GM 01959

2 NOTICES, GEOLOGICAL & ENGINEERING REPORT, 6 DRILL STEM TESTS, REPORTS (CHEMICAL, DAILY, WORKOVER) OF LADUBORO C I G I NICOLET, 5 WELL LOGS, 1 LITHOLOGICAL, 59 GEOLOGRAPH CHARTS

Documents complémentaires

Additional Files





PROVINCE DE QUEBEC MINISTERE DES RICHESSES NATURELLES

Loi des Mines de Québec

AVIS SIGNIFIANT L'INTENTION DE COMMENCER LE FORAGE

Cet avis doit être donné au Ministre des Richesses Naturelles, au moins quinze jours avant le début des travaux

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PROVINCE DE QUEBEC MINISTERE DES RICHESSES NATURELLES

2-12-63

Loi des Mines de Québec

LA SUSPENSION DU FORAGE

AVIS SIGNIFIANT MYLLEMMUNEMMENTALEMM

PUITS LADUBORO.

CIG No.1 Nicolet

Au Sous-Ministre, Ministère des Richesses Naturelles, Québec.

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THIS REPORT HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF: LADUBORO OIL LIMITED AND CANADIAN INDUSTRIAL GAS LIMITED

COPY NO: 1

1000 3 copies 15-16-63

retourne por M. C. Story 25-12-65

GEOLOGICAL AND ENGINEERING REPORT

LADUBORO CIG NICOLET NO. 1

COUNTY DE NICOLET, PROVINCE OF QUEBEC

J. C. SPROULE AND ASSOCIATES LTD.

OIL AND GAS ENGINEERING AND GEOLOGICAL CONSULTANTS

1009 FOURTH AVENUE WEST CALGARY - ALBERTA

TELEPHONE AMHERST 9:795

CONFIDENTIEL

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In pocket

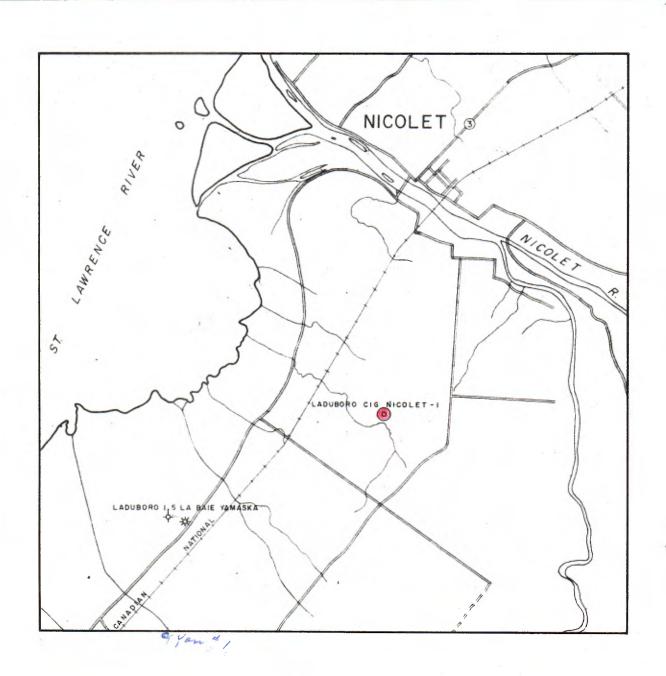
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ILLUSTRATION

Index Map showing Location of Laduboro CIG Nicolet No. 1 Frontispiece



INDEX MAP

NICOLET AREA

SOUTHERN QUEBEC

SHOWING

LADUBORO C.I.G. NICOLET - I



SAS WELL

- ABANDONED WELL

PROJECT WELL

INTRODUCTION

Laduboro CIG Nicolet No. 1 was drilled by Laduboro Oil Limited, Quebec City, P.Q., and Canadian Industrial Gas Limited, Calgary, Alberta, with Laduboro acting as operator and Canadian Industrial Gas Limited handling technical matters on behalf of Laduboro.

The well was drilled as a wildcat exploratory well on Quebec Provincial License 188, which covers 35,000 acres on the south side of the St. Lawrence River, approximately 80 miles east of Montreal and near the village of Nicolet, P.Q. The Ladpboro et al La Baie No. 5 Yamaska well, which is currently a suspended gas well, is the nearest significant test and is approximately two and one-half miles to the northwest of the Nicolet No. 1 well.

The location for Ladubero CIG Nicolet No. 1 was chosen on the basis of combined photogeological and subsurface geological studies, gravity meter and aeromagnetomic data. The main objective was to test the Potsdam sand, which was found to be productive of gas at Laduboro et al La Baie No. 5 Yamaska, and to test also the prospective beds in the Trenten, Chazy and Beekmantown strata, provided samples, logs, or shows indicated that these latter beds warranted testing.

The well was drilled by a rotary drilling rig owned by Union Rotary Drillers (Canada) Ltd., Mount Pleasant, Michigan. Wellsite technical supersision was by J. C. Sproule and Associates Ltd., Calgary, Alberta, represented by T. W. Link, P. Eng., who was present at the rig and reported directly on daily operations to Mr. H. Dubord, President, Laduboro Oil Limited, Quebec City, and to Mr. N. V. Story, Vice President, Canadian Industrial Gas Limited, Calgary. Mr. G. V. Lloyd, P. Geol., of J. C. Sproule and Associates Ltd. analysed the drill cuttings and followed the geological aspects of the operation.

DRILLING AND COMPLETION PROGRAM

Well Name:

Laduboro CIG Nicolet No. 1

Location:

Lot 555, Range Boute de la Baie, Parish of St. Jean Baptiste, County de Nicolet, Province of Quebec

Co-ordinates:

5,500° south of north lot line or 3,800° south of railway.

Field:

Wildcat

Operator:

(a) Laduboro Oil Limited, 1010 West St. Cyrille Boulevard,

Quebec 6, P. Q.

Phone: Area Code 418 Office 527-0434

Residence - Mr. Henri Dubord 527-2337 Mr. Claude Robitaille 663-7753

(b) Canadian Industrial Gas Limited, 640 Seventh Avenue S. W., Calgary, Alberta. Phone: Area Code 403 Office 263-8260

Residence - Mr. N.V. Story AL5-8037

Daily Reports:

- (a) Telegram and a daily report to C.I.G. with the well status at 4:00 p.m.
- (b) Telephone calls on urgent matters to C.I.G. when required.
- (c) Telephone call at 9:00 (Quebec time) to Mr. Dubord when possible without interfering with the rig operation.

Objective:

To obtain gas production from the Potsdam or any other zone.

Elevation:

Ground - 87 (Approximate)
K.B. - 100 (Approximate)

(Note: Distance K.B. to original ground level to be measured, and C.I.G. notified.)

Estimated Total Depth: 4,200

Geological Prognosis:	<u>Formation</u>	Est. Depth Feet	Subsea Feet	Thickness Feet
	Champlain Sands	Surface	+100	0-10+
	Champlain Clay	10	+90	150
	Pre-Champlain Deposits	160	-60	20
	Pontgrave River (May be eroded here)			
	Nicolet River	180	-80	925
	Leclercville	1,105	-1,005	1,175
	Utica (Top not recognised) Trenton (Upper) Terrebonne-	·	·	·
	Tetreguville	2,280	-2,180	200
	(Middle and Lower)	-,	-,	
,	Montreal-St.Casimir	2,480	-2,380	325
	Black River	2,805	-2,705	45
	Chazy	2,850	-2,750	200
	Beekmantown	3,050	-2,950	500
	Potsdam	3,550	-3,450	500
	Granite Wash	4,050	-3,950	80
	Precambrian	4,130	•	Ba sement
	Zones of Interest			
	Trenton (Upper)		-2.180	
	(Middle)		-2,380	
	Beekmantown		-2,970	
	Potsdam		-3,450	
	Granite Wash		-3,950	
Technical Supervision:	J. C. Sproule and Associates 1009 Fourth Avenue S. W. Calgary, Alberta.	Ltd.		
DRILLING PROGRAM				

Contractor:

Union Rotary Drillers (Canada) Limited

Drilling Method:

Rotary with a Cardwell L350

Drilling Time:

Geolograph and a record kept during coring and when drilling out casings.

Samples:

Five-foot samples from surface to total depth.

Mail dail well samples via air mail to J. C. Sproule
and Associates Ltd., P. O. Box 2525, Calgary, Alberta.

Mark to the attention of the Geological Department who
will maintain an up-to-date Geological Strip Log.

Coring and Drill Stem Testing:

The potential zones of interest are the Montreal-St. Casimir zones of the Trenton, the Beekmantown and the Potsdam formations. If samples taken while drilling these formations show 10 consecutive feet of porosity, the bit is to be pulled and 15 feet of diamond core taken. If the porosity shown in samples and the core indicate a possibility of commercial gas production, a drill stem test is to be run on the potential gas production interval. Only one drill stem test is to be run on each of the above formations, if justified.

Regardless of the above, a 45-foot core will be taken immediately on encountering the Potsdam Formation. Any potential gas-bearing zones that appear to have been missed may be selectively tested after analysis of samples, cores and electrical logs.

A flare line with an orifice well tester fitted should be installed before drill stem testing and gas flow measurements obtained on drill stem tests noted at regular intervals during the test and entered on the form provided.

Results of drill stem tests should be air mailed to the drill stem testing company for analysis immediately after the recovery of the test data. Samples of recovered fluid and gas should be taken when recovered on each drill stem test and, if warranted, shipped by C.N.R. Express to Chemical & Geological Laboratories Limited, 428 - 35 Avenue N.E., Calgary, Alberta. All ceres should be shipped by C.N.R. Express to J.C.Sproule and Associates Ltd., for their examination before analysis.

Casing Pregram:		Hole Size Inches	Casing Size Inches	Type of Casing	Cement Sacks	Additives
Surface	300	121/4	9 5/8	J-55, 36-1b./ft.	100	2% CaCl ₂
Intermediate	2,300	83	7 .	J-55, 20-1b./ft.	100	2% CaC12
Production	4,200	8 1 or 6 1	41	J-55, 9.5-1b./ft.	300	4% CaCl ₂

The intermediate string may have to be run if caving hole problems are encountered.

Mud Program:

Interval Feet	Type of Mud	Wt./Gal.	Viscosity Sec API	Remarks
0-300	Ge1	- 1	40+	Gel up to maintain clean hole.
300-2000	Salt H20 & Gel	9.5 to 10.0	60	Maximum reservoir pres- sures of the Trenton and
2000-T.D.	Salt H20 & Gel	10.0 to 11.0	60	Potsdam formations could be 1,525 psi and 2,000 psi respectively. Take care that the mud is of sufficient weight to con- trol these reservoir pressures.

Salt water must be used to prevent the upper shales from caving. Large earthen pits are required for the settling out of solids. Take an analysis of the chloride content of the mud prior to drill stem testing (and logging) to compare with drill stem test recovery.

Deviation Surveys:

To be measured every 100° on surface hole (300°) with a maximum of 1°. To be measured every 500° from below surface to total depth. Maximum angle increase 1° per 100° and should not exceed 12° at total depth if practical.

Logging:

Gamma Ray-Neutron Gamma Gamma Density Caliper and Guard

The Gamma Gamma Density log will be run over sones of interest and all other logs will be run from below the surface casing to total depth. Immediately after logging, send by air express two copies of each log to Canadian Industrial Gas Limited, 640 Seventh Avenue S. W., Calgary, Alberta.

Log interpretation will be made by Welex at the lease. Compare the logs with the Sample Strip Log and the core analysis (which will be mailed to the rig and Welex when available).

Ceneral:

Drill a suitably sized hole from surface to approximately 300' to permit the running and setting of 9 5/8" casing. Take deviation surveys every 100' and insure that the maximum deviation does not exceed 1°. Run 9 5/8", 36- and 40-1b./ft., J-55 casing to 100° into bedrock equipped with a float shoe and three centralizers. Use thread lock on the bottom three joints.

Cement the casing to surface, with 100 sacks of construction cement plus 2% CaCl₂, by plug displacement. Bump the plug with a maximum of 1,000 psig and bleed off the pressure. Check the casing for flow back. Land the casing with the $10\frac{2}{5}$ casing bowl at ground level after making up the 9 5/8" x $10\frac{2}{5}$ double male swaged nipple.

Wait on cement for 12 hours, then install BOP's and control equipment. After an additional 10 hours, run in with an $8\frac{2}{4}$ " bit and check the top of the cement. Test between the BOP's to a pressure of 2,000 psi and hold the pressure for 15 minutes. Log this test. Time drill out a minimum of 3' below the surface casing float shoe, 24 hours after waiting on cement.

Close the BOP's and test the surface pipe cement job to 300 psi and hold the pressure for 15 minutes. Check the cellar for flow back and log this test.

Drill ahead with an 82" bit.

The drill pipe should be measured with a steel tape at frequent intervals and before running casings, testing, legging or coring.

The BOP's should be operated daily and tested to 2,000 psi whenever running in the hole. These tests should be logged.

Total depth will be reached as soon as the Precambrian Formation or 4,500° is reached. At this depth, the hole will be logged with Gamma Ray-Neutron, Gamma Gamma Density, Caliper and Guard logs from the surface casing shoe to total depth, except that the Gamma Gamma Density log will be run only over sones of interest.

All mud and mud additives must be entered in the tour book.

All invoices must be presented to the wellsite geological engineer for his approval and signature.

After complete analysis of samples, cores, drill stem test data and electric logs, the decision will be made to complete or abandon the well. If the well is to be abandoned, an abandonment program will be determined with the approval of the Department of Mines of the Province of Quebec.

If the well is to be completed, a completion program will be determined at the wellsite and will probably consist of running $4\frac{1}{2}$ ", 9.5-1b./ft., J-55 casing and

cementing it with approximately 300 sacks of construction cement with 2% CaCl2. If an open hole completion is decided upon, a formation packer casing shoe and 10 centralizers will be used. After running casing and prior to cementing the salt base mud in, the hole will be displaced with water to which a corrosion inhibitor has been added.

Displace the cementing plugs with the salt water mud and bump them with a minimum of 1,250 psi. Hold the pressure for one hour before bleeding off and checking for flow back. Land the casing immediately after cementing with half the weight of the casing in the slips, by lowering the slip seal assembly through the BOP's. If it is not possible to do this immediately, wait 12 hours before slackening off and raising the BOP's to insert the slip seal assembly.

Cut off the casing 24 hours after cementing, weld the gasket ring seal to the casing and bell the top of the 42" casing.

Install a BOP and 48 hours after cementing, be in a position to drill out the casing with 2 3/8" EUE tubing or install the complete production head and be in a position to perforate with a tubing gun with the tubing landed just above the interval to be perforated.

The formation treatment will probably consist of an acid wash and squeeze followed by a frac treatment of 30,000 gals. of a gelled CaCl₂ water and 30,000 lbs. of 20-40 and 10-20 meshed sand. The well will be allowed to sit for 6 hours or more after the frac treatment and then flowed through a choke until clean.

A five-point back pressure test will be run and preliminary calculations carried out at the wellsite to ensure that the test is satisfactory. A gas sample will be taken when flowing the well at the highest flow rate.

Prepared By:

N.V. Story, Vice President, Canadian Industrial Gas Limited 640 Seventh Avenue S. W., Calgary, Alberta.

Date:

June 13, 1963.

SUMMARY OF PERTINENT WELL DATA

Name of Operator:

Laduboro Oil Limited

Well Name:

Laduboro CIG Nicolet No. 1

Location:

Lot 555, Range Boute de la Baie, Parish of St. Jean

Baptiste, County de Nicolet, P.Q.

Co-ordinates:

367.7° south of the intersection of Lots 561 and 555,

and 122' east of the west lot line of Lot 555.

Elevation:

Ground - 88.70°

K. B. - 100.6°

K. B. to tubing hanger - 12.52°

K. B. to ground - 11.9'.

Technical Supervision:

J. C. Sproule and Associates Ltd.

T. W. Link, P. Eng.

Drilling Contractor:

Union Rotary Drillers (Canada) Limited

Drawworks - Cardwell L350 Pump - National 150B

Mast - Lee C. Meore, 122

B.O.P. $^{\circ}$ s - 10" series 900 Cameron and 10" series 900

Hydril.

Status:

Potential gas well.

Producing Zone:

Pot sdam

Date Spudded:

June 27, 1963, at 9:00 p.m.

Total Depth:

Driller - 4,164°

Logs - 4,167'

Plugged Back Depth:

4,1421

Date Total Depth Reached: August 10, 1963, at 3:30 p.m.

Date Completed:

August 19, 1963, at 5:30 p.m.

No. of Rig Days to

Total Depth:

44

No. of Rig Days to

Completion:

53

Hole Size:

13 3/4" from Surface to 235'

8 3/4" from 235° to 4,164°

Rig Released:

August 29, 1963, at 4:00 p.m.

Casing:

- (a) Surface Casing: Ran 7 joints (221.43°) of 9 5/8", 32-1b./ft., H-40, R-2, 8 rd, ST&C new Mannesman casing. Landed at 235° K.B. and cemented by rig pump with 89 sacks of Portland construction cement. No returns to surface. Plug down at 2:00 p.m., June 29, 1963. Used Halliburton float shoe and three joints of casing. Dumped 1 1/2 loads of gravel down outside of casing.
- (b) Production Casing: Ran 136 joints (4,167.66°) of 4 1/2", 9.5-lbs. per foot, J-55, R-2, 8 rd, ST&C new Page Hershey casing. Landed at 4,164° K.B. and cemented by Halliburton using 400 sacks of construction cement with 2% salt gel preceded by 500 gallens of a soap-Merflo flush ahead of the cement. Plug down at 9:18 p.m., August 14, 1963. Used Halliburton guide shoe, insert float collar, 10 centralizers and 13 scratchers. Cemented with top and bottom plug.

Tubing:

Ran 130 joints (4,101.07) of 2 3/8", EUE, J-55, 4.7-1b./ft., 8 rd, new Page Hershy tubing. Landed at 4,128.17 K.B. Tubing open ended with a collar on the bottom joint.

Mud Type:

Salt water gel oil emulsion.

Geological Markers:	Samples Radioactivity Log			
	Subsea Subsea			
	Depth Elevation Depth Elevation			
	Feet Feet Feet Feet			
Champlain Clay	Surface +87			
Pre-Champlain Deposits	70 +31			
Pontgrave River	100 +1 110 -9			
Nicolet River	350 -249 227 -126			
Leclercville	Top not recognized			
Utica	Not present due to fault			
Trenton	Not present due to fault			
Black River	Not present due to fault			
Chazy	Not present due to fault			
Beekmant own	3,390 -3,289 3,364 -3,263			
Potsdam	3,950 -3,849 3,940 -3,839			

Core Summary:

Core No. 1 - Potsdam; 3,975' to 4,022°. Recovered 44'. Core No. 2 - Potsdam, 4,110° to 4,117°. Recovered 5'.

Formation Test Summary:

DST No. 1 - Interval 3,950° to 4,022'. Misrun. Packer seat failure.

DST No. 1A - Interval 3,955 to 4,022 to Misrum. Packer seat failure.

DST No. 1B - Interval 3,945' to 4,022'. ISI - 30 minutes. VO - 90 minutes. FSI - 60 minutes. Good initial puff. Good air blow with gas to surface in 37 minutes at 10.9 Mcf. per day. Held steady throughout test. Recovered 120° of gas-cut drilling mud. IHP - 2,170. ISIP - 292. IFP - 117. FFP - 117. FSIP - 236. FHP - 2,170.

DST No. 2 - Interval 4,020° to 4,117°. ISI - 30 minutes VO - 100 minutes. FSI - 60 minutes. Strong initial blow. Gas to surface in two minutes. Mud to surface in eight minutes. Strong blow of gas and salt water spray throughout test at 924 Mcf. per day. Recovered 390° of salt water. IHP - 2,550. ISIP - 2,240. IFP - 709. FFP - 555. FSIP - Teol did not shut in. FHP - 2,550.

DST No. 3 - Interval 4,008° to 4,094°. ISI - 30 minutes. VO - 60 minutes. FSI - 30 minutes. Strong initial air blow. Poor blow. Dead in 20 minutes. Reseat packer after 40 minutes. Poor blow. Dead in five minutes for rest of test. No gas to surface. TSTM. Recovered 340° of gas-cut drilling mud. IHP - 2,489. ISIP - 1,767. IFP - 123. FFP - 233. FSIP - 497. FHP - 2,489. Temperature 114° F at 4,079° K.B.

DST No. 4 - Interval 4,120° to 4,164°. ISI - 30 minutes. VO - 30 minutes. FSI - 30 minutes. Good steady air blow throughout initial blow. Weak air blow dead in five minutes for rest of test. Recovered 155° of gascut, water-cut drilling mud. IHP - 2,550. ISIP - 563. IFP - 163. FFP - 119. FSIP - 481. FHP - 2,550. Temperature 114° F at 4,160° K.B.

Logs:	Welex	Depth Feet	Scales
	Gamma Ray-Neutron	0-4167	2"=100°
		3300-4167	י 100=100
	Guard Log	3 3 00-4167	101-1001
	Gamma-Gamma Density	3300-4167	101-1001
	Caliper Log	2500-4167	10m=100 m

Wellhead Equipment:

Cameron Series 600, 10 3/4" x 10", 4 1/2" x 10", 2 3/8 x 6". Flanged connections to top of Master Valve, remainder are screwed.

Perforations:

Petsdam - 3 radial super frac shots at 4,109°.
1 11/16" link jet 4 shots per foot from 4.109° to 4.112°.

Special Treatments:

Acidised perforations at 4,109° with six barrels of Howco 15% MCA acid. Washed five barrels past perforations and could not squeeze any acid away at 3,900 psig pressure. Let acid sit overnight. Re-perforate with acid in well and 1,000 psig pressure from 4,109° to 4,112°. Reversed out old acid and acidized perforations from 4,109° to 4,112° with six barrels of Howco 15% MCA acid. Perforations took acid at 1,000 psig. Squeezed 1/2 barrel to formation at 550 psig and 1/4 barrel per minute.

Plugs:

None.

Remarks

The drilling mud became gas-cut at 4,109° with an average weight of 10.1 lb./gal. The weight was increased to 12.0 lb./gal. before the gasified mud condition could be stopped. During the waiting time for weighting material to arrive and while mixing the mud, the drill pipe was being continuously worked. Because of a crocked hole condition, while working the pipe, a key seat was formed and the pipe became stuck. A total of ten days was lest.

DAILY CHRONOLOGICAL REPORT

Well Name: Laduboro CIG Nicolet No. 1

		Der	ot h		
Date 1963		y From Feet	To Feet	Progress Feet	Remarks
June 2	24 0	0	0	0	Start moving rig from Laduboro La Baie No. 5 Yamaska to Laduboro CIG Nicolet No.1.
June 2	25 0	0	0	0	Moving.
June 2	16 0	0	. 0	0	Rigging up Union Rotary Drillers Rig No. 4.
June 2	27 1	0	46	46	Spudded at 9:00 p.m. Drilling $13\frac{3}{4}$ " surface hole.
June 2	28 2	46	235	189	Drilling 13 ²ⁿ surface hole. Had trouble drilling surface hole due to boulders at 191?. Surface hole finished at 10:00 p.m. Measured out tally o.k. at 235°. Half trip out of hole.
June 2	. 3	235	235	0	Ran 7 joints of 9 5/8", H-40, 32-lb./ft., R-2, 8 rd casing. Landed at 235 K.B. Cemented casing with 89 sacks of cement.
June 3	0 4	235	345	110	Waited on cement. Nippled up BOP*s. Changed rams. Drilled out 9 5/8" casing after waiting on cement 24 hours with an 82" bit.
July 1	. 5	345	1158	813	Drilled ahead with 35,000 lbs. at 60 rpm. Deviation $1\frac{1}{2}$ °.
July 2	6	1158	1780	622	Drilled ahead with 35,000 lbs. at 60 rpm. Deviation $1\frac{1}{2}^{\circ}$.
July 3	7	1780	2106	326	Drilled ahead with 35,000 lbs. at 60 rpm. Deviation $1\frac{1}{2}$.
July 4	8	2106	2450	344	Drilled ahead with 35,000 lbs. at 60 rpm. Strap pipe no correction.
July 5	9	2450	2645	195	Drilled ahead and fanning hole with 20,000 lbs. and 75 rpm. Deviation 7°+. Waiting on Totco to arrive.
July 6	10	2645	2945	300	Drilled ahead and fanning hole with 20,000 lbs. and 70 rpm. Deviation 7°+. Waiting on Totco.

		Dep	th_		
<u>Date</u> 1963	Day	From Feet	<u>To</u> Feet	Progress Feet	Remarks
July 7	11	2945	3109	164	Drilled ahead and fanning hole with 20,000 lbs. and 70 rpm. Tetco arrived. Stood back twelve $6\frac{2}{\pi}$ drill collars. Tripped in with three $6\frac{2}{\pi}$ drill collars and started reaming out dogleg at 2,075°.
July 8	12	3109	3196	87	Reaming hole with bit by holding weight to 12,000 lbs. and 100 rpm in order to work out dogleg. Deviation 13°.
July 9	13	3196	3354	158	Drilled ahead with 12,000 lbs. and 100 rpm. Holding weight up due to deviation of 12°.
July 10	14	3354	3416	62	Drilled ahead with 18,000 lbs. and 75 rpm. Using nine $6\frac{3}{4}$ drill collars. Deviation $11\frac{1}{4}$ °.
July 11	15	3416	3492	76	Drilled ahead with 25,000 lbs. and 70 rpm. Deviation $10\frac{1}{2}$ °.
July 12	16	3492	3570	78	Drilled ahead with 30,000 lbs. and 70 rpm. Using twelve $6\frac{3}{4}$ drill cellars. Deviation 9°.
July 13	17	3570	3639	69	Drilled ahead with 30,000 lbs. and 70 rpm.
July 14	18	3639	3703	64	Drilled ahead. Strap pipe no correction. Deviation $8\frac{3}{4}$ °.
July 15	19	3703	3744	41	Drilled ahead. Hard drilling, used first button bit. Using fifteen $6\frac{3}{4}$ " drill collars.
July 16	20	3744	3811	67	Drilled ahead with 30,000 lbs. and 40 rpm.
July 17	21	3811	3888	77	Drilled ahead. Deviation 6°.
July 18	22	3888	3946	58	Drilled ahead with 30,000 lbs. and 40 rpm.
July 19	23	3946	3975	29	Drilled ahead. Trip in with junk sub. Strap pipe no correction. Picked up and dressed all connections on core barrel.
July 20	24	3975	4022	47	Cut Core No. 1 from 3,975° to 4,022°. Recevered 44°. Laid down core and core barrel.

		Dep	th		
Date 1963	Day	From Feet	To Feet	Progress Feet	Remarks
July 21	25	4022	4022	0	Reamed 6 1/8" core hole to $8\frac{3}{7}$ " from 3,975' to 4,022°. Picked up B.J. test tool for DST No. 1.
July 22	26	4022	4022		Ran DST No. 1 from 3,950 to 4,022 . Packer seat failure. Ran DST No. 1A from 3,955 to 4,022 . Packer seat failure. Ran DST No. 1B from 3,945 to 4,022 . ISI - 30 minutes. V.O 90 minutes. FSI - 60 minutes. Good initial puff. Good air blow with gas to surface in 37 minutes at 10.9 Mcf. per day. Held steady throughout test. Recovered 120 of gascut drilling mud. IHP - 2,170. ISIP - 292. IDP - 117. FFP - 117. FSIP - 236. FHP - 2,170.
July 23	26	4022	4101	79	Drilled ahead with 30,000 lbs. and 40 rpm.
July 24	27	4101	4109	8	Mud became gas-cut. Working gas out of mud and working pipe. Mixing mud and pumping in to kill well.
July 25	28	4109	410	0	Conditioning mud. Blowing well. Working pipe. Waiting on Baroid.
July 26	2 9	4109	4109	0	Mixing mud to 11.b 1b./gal. Pumped in and killed well. Pipe free.
July 27	30	4109	4109	0	Finished mixing mud. Attempted to gain circulation. Twisted off 720° down. Screwed back in after laying down bad joint. Regained circulation. Pipe stuck. Spotted 30 barrels of fuel oil around collars.
July 28	31	4109	4109	0	Spotting fuel oil and working pipe. Spotted an additional 30 barrels of fuel oil around drill collars. Working pipe. While working pipe it became parted again at 720°. Screwed back in.
July 29	32	4109	4109	0	Displacing fuel oil around drill pipe while waiting on McCullough and Welex.
July 30	33	4109	4109	0	Waiting on McCullough and Welex. Working pipe and circulating. Ran free point indicator. Ran string shot below 720° and backed off. Removed bad joints and screwed back in.

		Dep	<u>th</u>		
Date 1963	Day	Fren Feet	<u>To</u> Feet	Progress Feet	Remarks
July 31	34	4109	4109	0	Ran string shot above drill collars. Could not back off. Waiting on McCullough fisherman to arrive from Edmonton.
Aug. 1	35	4109	4109	o	Ran free point indicator. Pipe showed to be free down to the drill collars. Worked pipe free. Attempted to perforate bottom drill collar in order to regain circulation.
Aug. 2	3 6	4109	4109	0	Working pipe up hele. Could not circulate. Perforated last joint above drill collars. Circulated and conditioned mud to 12.0 lb./gal. before coming out of hole.
Aug. 3	37	4109	4109	O	Tripped out and laid down three joints of crooked drill pipe. Waited on key seat wipers. Tripped in with bit and key seat wiper. Started reaming at 2,260'.
Aug. 4	38	4109	4109	O _.	Reaming hole to 3,676.
Aug. 5	39	4109	4110	1	Reamed hole to 4,109%. Made dummy trip to check hole. O.k. Drilled one foot and circulated sample. No indication of Precambrian.
Aug. 6	40	4110	4116	6	Tripped in with junk sub. Picked up core barrel and tripped in to cut Core No. 2.
Aug. 7	41	4116	4117	1	Finished cutting Core No. 2 from 4,110° to 4,117°. Recovered 5°. Tripped in for DST No. 2 from 4,020° to 4,117°. ISI - 30 minutes. VO - 100 minutes. FSI - 60 minutes. Strong initial blow. Gas to surface in two minutes. Mud to surface in eight minutes. Strong blow of gas and salt water spray throughout test at 924 Mcf./day. Recovered 390° of salt water. IHP - 2550. ISIP - 2240. IDP - 709. FFP - 555. FSIP - tool did not shut in. FHP - 2550.
Aug. 8	42	4117	4117	0	Tripped in. Conditioned mud to 10.9 lbs./ gallen. Well tried to unload. Mixed mud.
Aug. 9	43	4117	4138	21	Mixed mud to 11.0 lb./gallon. Drilled ahead with 30,000 lbs. and 45 rpm.
Aug. 10	44	4138	4164	26	Drilled ahead. Strapped out. Checked o.k. Ran Welex logs.

		Dep	th		
Date 1963	<u>Day</u>	From Feet	To Feet	Progress Feet	Remarks
Aug. 11	45	4164	4164	0	Total depth. Finished logging. Welex checked bottom 3' deeper at 4,167°. Tripped in to condition hole for DST No. 3.
Aug. 12	46	•	-	-	Picked up test tool. Tripped in for DST No. 3 from 4,008° to 4,094°. ISI - 30 minutes. VO - 60 minutes. FSI - 30 minutes. Strong initial air blow. Poor blow. Dead in 20 minutes. Reseated packer after 40 minutes. Poor blow. Dead in five minutes for rest of test. No gas to surface. Air blow too small to measure. Recovered 340° of gas-cut drilling mud. IHP - 2489. ISIP - 1767. IFP - 123. FFP - 233. FSIP - 497. FHP - 2,489. Temperature 114°F at 4,079° K.B. Tripped in to condition hole for DST No. 4.
Aug. 13	47	•	•	-	Running DST No. 4 from 4,120° to 4,164. ISI - 30 minutes. VO - 30 minutes. FSI - 30 minutes. Good steady air blow through- out initial blow. Weak air blow dead in five minutes for rest of test. Recovered 155° of gas-cut, water-cut drilling mud. IHP - 2550. ISIP - 563. IFP - 163. FFP - 119. FSIP - 481. FHP - 2550. Tem- perature 114° F. at 4,160° K.B. Tripped in. Tripped out and laid down. Rigged up to run casing. Ran 136 joints (4167.56°) of 4½", 9.5-1b./ft., J-55, R-2, 8 rd, ST&C new Page Hershy casing. Circulated hole while waiting on Halliburton cementer.
Aug. 14	48			-	Rigged up Halliburten and cemented 4½" casing with 400 sacks of construction cement with 2% salt gel preceded with 500 gallens of a Saap-Morflo flush. Landed casing at 4,164° K.B. Plug down at 9:18 p.m. Used Halliburton guide shoe, insert float collar, 10 centralizers and 13 scratchers. Cemented with top and bottom plug. Released pressure immediately and float held o.k. Dropped slips and landed casing with full weight of string on slips.
Aug. 15	49	*	•	-	Removed BOP's. Installed wellhead. Ran Welex Neutron collar locator correlation log. Installed BOP's.

		Dep	th		
Date 1963	Day	From Feet	To Feet	Progress Feet	Remarks
Aug. 16	50	-	•	-	Perforated with Welex three-shot radial super frac jet at 4,109° K.B. Trip in with 2 3/8" EUE, J-55, 4.7 lb./ft., 8 rd, new Page Hershy tubing. Landed at 4,128° K.B. Removed BOP's. Installed wellhead. Circulated hole clean by displacing drilling mud with fresh water. Rigged up to swab.
Aug. 17	51	•	-		Swabbed fluid level down to 3,500°. Swabbed well dry.
Aug. 18	52	•	•		Rigged up Halliburton. Acidized perforations at 4,109° with 6 bbls. of Howco 15% MCA acid. Washed ½ bbl. past perforations with higher squeeze pressures, each ½ bbl. to a maximum of 3,900 psig. Formation would not take acid. Left acid sit overnight on perforations.
Aug. 19	53	-	-	-	Removed wellhead and picked tubing up to 4,057'. Perforated by Welex from 4,109° to 4,112' with 1 11/16" link jets, 4 shots per foot. Shot with acid in hole and 1,000 psig wellhead pressure. Pressure did not drop after perforating. Removed wellhead. Lowered tubing to 4,128°. Installed wellhead and circulated out old acid.
Aug. 20	54	-	•	-	Acidised perferations from 4,109' to 4,112° with 6 bbls. of Hewco 15% MCA acid by washing. Pressured up to 1,000 psig and formation started taking acid after seven minutes. Washed by one barrel and squeezed a ½ barrel to the formation at 550 psig and ½ barrel per minute. Circulated out excess acid. Standing pressure after acidizing 350 psig.
,					Blew well down on a $\frac{3}{4}$ " orifice. Time Tubing Pres. Casing Pres.
					11:30 a.m. 250 0 Water 12:00 a.m. 250 0 Mist
					12:30 p.m. 200 9 Hist
					1:00 p.m. 200 0 Mist
					2:30 p.m. 50 220 Mist 3:00 p.m. 50 275 Mist
					3:00 p.m. 50 275 Mist 3:30 p.m. 50 300 Mist
					TISC PIECE STOP

		Dep	th		
Date 1963	Day	From Feet	<u>Te</u> Feet	Progress Feet	Remarks
					Shut in at 4:15 p.m. since the flare would not stay lit and: a farmer was in the field nearby.
Aug. 21	5,5	•	-	-	Shut-in pressure after 15 hours. Tubing - 1,925. Casing 2,025 psig. Attempted to run AOF test. Obtained two stabilized points on $1/8^{\rm H}$ and $\frac{3}{4}^{\rm H}$ orifice. Shut well in overnight.
Aug. 22	56	-	-	-	Blew well down on 1/8" orifice. Well stabilised on 1/8" orifice with 1,500 psig pressure on the orifice well tester and 1,700 psig on the casing.
					Note: Rig released August 29, 1963, at

DEC A.

SPOTTED CEMENT DEUG OVER
INTERVAL 4133-3890 - PULLED
+ RACKED TUBING

DEVIATION SURVEYS

Well Name: Laduboro CIG Nicolet No. 1

<u>Depth</u> Feet	Deviation Degrees	Depth Feet	Deviation Degrees	Depth Feet	Deviation Degrees
85	0	2,980	7+	3,250	11 1/4
200	3/4	2,075	2**	3,392	11
573	1 1/48	2,138	3**	3,450	10 1/2
1,000	1 1/2	2,198	4 1/2**	3,500	9
1,510	1 1/2	2,310	9**	3,619	8 3/4
2,000	1 1/2	2,490	13	3,850	6
2,500	7+*	2,755	11	4,000	5 1/2
2,561	7+	3,120	13	4,100	6 3/4
2,675	7+	3,150	12	•	·
2,800	7+	3,206	1.2		

^{*}Did not have an instrument that could read any higher than 7° deviation available.

^{**}These were measured after the 21° Totco arrived.

MUD RECORD

Well Name: Laduboro CIG Nicolet No. 1

Date 1963	Depth Feet	Weight Lb./Gal.	Viscosity Sec.	Water Loss cc	Salt Content PPM NaCl	Additives
June 27	46	•	40	-	-	Salt Gel 142 sacks
June 28	235	-	42	-	-	
June 29	235	-	-	-	-	Salt 161 sacks
June 30	345	9.5	36	•	-	
July 1	1,158	9.7	38	-	-	Salt 20 sacks
July 2	1,780	9.7	40	•	160,000	Salt 65 sacks
July 3	2,106	9.7	38	•	170,000	Salt 68 sacks
July 4	2,450	10.0	34	•	160,000	Salt 30 sacks
July 5	2,645	9.9	37	-	170,000	Salt 10 sacks
July 6	2,945	10.0	37	. •	165,000	Salt 40 sacks
July 7	3,109	9.9	36	•	160,000	Salt 80 sacks
July 8	3,196	10.1	35	-	100,000	Salt 100 sacks
July 9	3,354	10.2	35	•	195,000	Salt 85 sacks
July 10	3,416	10.2	32	-	165,000	Salt 150 sacks Salt Gel 15 sacks
July 11	3,492	10.2	34	-	200,000	Salt 25 sacks Salt Gel 20 sacks
July 12	3,570	10.3	35	•	222,750	Salt 55 sacks Salt Gel 30 sacks
July 13	3,639	10.3	40	-	214,500	Salt 55 sacks Salt Gel 50 sacks
July 14	3,703	10.2	41	100	230,000	Diesel fuel 30 bbls.
July 15	3,744	10.0	42	-	210,000	Salt 40 sacks
July 16	3,811	10.0	40	100	206,000	Salt 98 sacks Salt Gel 15 sacks

Date	Depth	Weight	Viscosity	Water Loss	Salt Content	Additives
	Feet	Lb./Gal.	Sec.	cc	PPM NaCl	
July 17	3,888	10.0	40	90	240,000	Salt 55 sacks Salt Gel 10 sacks
July 18	3,946	10.2	40	100	-	Diesel fuel 15 bbls.
July 19	3,975	10.1	40	85	200,000	-
July 20	4,022	10.1	38	60	214,000	•
July 21	4,022	10.0	41	65	214,000	Salt 28 sacks Salt Gel 17 sacks
July 22	4,022	DST No.	1, 1A and	1B		
July 23	4,101	10.1	40	72	230,000	Salt 20 sacks
July 24	4,109	10.1	33	-	225,000	Salt 112 sacks Baroid 280 sacks
July 26	4,109	10.8	37	-	270,000	Salt Gel 17 sacks Magcobar 410 sacks Salt 80 sacks
July 27	4,109	11.1	39	100	230,000	Magcobar 50 sacks Salt Gel 15 sacks
July 28	4,109	11.1	39	•	•	Magcobar 10 sacks Salt 10 sacks Salt Gel 10 sacks
July 29	4,109	10.9	39	*	200,000	-
July 30	4,109	10.9	40	-	206,500	Magcobar 25 sacks
Aug. 1	4,109	Pulling	stuck pipe			
Aug. 2	4,109	12.0	40	-	•	Magcobar 135 sacks Salt Gel 10 sacks
Aug. 3	4,109	11.5	43		205,000	Salt Gel 25 sacks Magcobar 23 sacks Salt 15 sacks
Aug. 4	4,109	11.2	42	76	200,000	Magcobar 79 sacks Salt Gel 15 sacks
Aug. 5	4,110	11.4	41	75	200,000	Magcobar 10 sacks

Date	Depth Feet		Viscosity Sec.	Water Loss cc	Salt Content PPM NaCl	Additives
Aug. 6	4,116	11.1	42	36	-	Magcobar 25 sacks Mylogel 28 sacks
Aug. 7	4,117	11.0	54	32	•	-
Aug. 8	4,117	10.9	41	-	-	Salt 36 sacks Magcobar 31 sacks Salt Gel 2 sacks
Aug. 9	4,138	11.3	40	45	200,000	Magcobar 307 sacks
Aug. 10	4,164 (T.D.)		38	55	185,000	Magcobar 128 sacks Mylogel 5 sacks Salt Gel 5 sacks Salt 15 sacks
Aug. 11	4,164	11.7	39	-		-
Aug. 12	4,164	12.2	40	•	-	Magcobar 10 sacks
Aug. 13	4,164	11.8	39	Running	casing	
Aug. 14	4,164	11.6	38	Cement	casing	
Aug. 15	4,164	Waiting	on cement			

Summary	of	Dril	ling	Mud	Additives

Salt	1,488	sacks
Salt Gel	443	sacks
Diesel Fuel	45	Bbls.
Magcobar	1,271	sacks
Baroid	280	sacks
Mylogel	33	sacks

BIT RECORD

Well Name: Laduboro CIG Nicolet No. 1

		-		Dep	th'			
No.	Size	Make	Type	From	To	Footage	Hours	Condition
	Inches			Feet	Peet			
14	13 3/4	Re-run		0	235	235	-	Fair
1	8 3/4	HTC	OSC-3	235	1191	956	21	Fair
2	8 3/4	HTC	OSC-3	1191	1902	711	22	Fair
3	8 3/4	Smith	T-2	1902	2273	371	18 1/4	Fair
4	8 3/4	HTC	OWV	2273	2623	350	18 1/4	Fair
5	8 3/4	HTC	OWV	2623	3019	396	25 1/2	Fair
6	8 3/4	HTC	osc	3019	3256	237	24 1/2	Fair
7	8 3/4	HTC	osc	3256	3373	117	13	Dull
8	8 3/4	HTC	OWV	3373	3434	61	17 3/4	Dul1
9	8 3/4	HTC	OWV	3434	3515	81	17	Dul1
10	8 3/4	Smith	L-4	3515	3639	114	26 1/2	Dull
11	8 3/4	HTC	W7R	3639	3710	71	21 3/4	Dull
12	8 3/4	HTC	RG1J	3710	3917	207	61 1/2	Locked
13	8 3/4	HTC	RG1J	3917	3975	58	16	Good
1	6 1/8	Hycalog	Diamond	3975	4022	490	19 1/4	Good
13	8 3/4	Re-run	Reaming	3975	4022	47	11 1/2	Poor
14	8 3/4	HTC	RG1J	4022	4109	87	27 1/2	Poor
15	8 3/4	HTC	W7R	4109	4110	1	1	Reamed and wash from 2,000° to 4,109°. Fair.
1	6 1/8	Hycalog	Diamond	4110	4117	7	12	Dull
16	8 3/4	HTC	RG1J	4110	4117	7	6 1/2	Reaming
16	8 3/4	нтс	RG1J	4117	4164	47	36	Dull

Bit Summary

	Size Inches	Footage	Bits Used
Surface Hole	13 3/4	235	1
Main Hole	8 3/4	3,875	16
Coring	6 1/8	54	1
Reaming	8 3/4	54	These bits also used for drilling hole.

TIME CORING RECORD

Well Name: Laduboro CIG Nicolet No. 1

<u>Interval</u> <u>Time In Minutes</u> (One-Minute Intervals)

Core No. 1 - 3,975'-4,022'. Potsdam. Recovered 44'. Total coring time 19 hours, 18 minutes.

3975-3985 25, 25, 19, 24, 20, 23, 21, 21, 31, 25. 3985-3995 23, 27, 28, 22, 37, 43, 42, 41, 48, 33. 3995-4005 14, 10, 14, 15, 19, 17, 19, 18, 17, 18. 4005-4015 17, 25, 22, 20, 19, 19, 24, 24, 24, 27. 4015-4022 28, 26, 25, 30, 34, 29, 22, 23.

Core No. 2 - 4,110'-4,117'. Potsdam. Recovered 5°. Total coring time 11 hours, 53 minutes.

4110-4117 74, 67, 104, 92, 117, 95, 128.

Coring by Union Rotary Drillers (Canada) Ltd. Used Hycalog core head and barrel.

TECT		
LADUROPO CIG NICOLET NO.	o. 1 1 Location Lot 555, Range Boute de	la Baie
Name Library Cld Ridolls I No.	Province Parish of St. Jean Bapt	deta Nicola
or Area Wildcat	Operator Laduboro Oil Limited	(P.O.
	Date Completed July 22, 1963	
Commenced July 21, 1963	Date Completed July 22, 1903	
~	Formation Tested Potsdam	
	Section Tested: From 3950 To 4022	
	Mud Properties: Wt. 9.8 Vis. 42	
B3/4 INS.	Filtrate 68. c.c. Filter Cake 8/32	
2.76 INS. 10	Water Cushion None ft.	
	Type of Packer Bob tail	
	Choke Size, surface 1/4" Bottom Hole	
TER - 1.0		
A. AT. IME DEDTELL	Time Re	marks
78		
M W K	Tester started in hole 11:30 p.m.	
	Tester on bottom 1:30 a.m.	
	Tester opened 1:45 a.m. Could no	
	Tester closed	
	Tester pulled loose 3:30 a.m.	
	Tester out of hole 6:30 a.m.	
	Initial Closed In hrs n	
	Flow Period hrs. 30 n	
ANCHOR	Final Closed In hrs30 n	nins.
72 AT.	Weight:	68 000 ··
> 1002	Set on Packer 60,000 lbs. Pull Packer Loos	
	Weight drill pipe Before Test 65,000 After	
	Mud level in casing Dropped	
	Nature of Blow None	
*	Maximum Surface Pressure	
low: MCF/day: How Garre	ged By	
	Est. 24-hr. Flow Rate How Gauge	
	Orificeinch.	
not inch. i.e. size	C.I.I.C.	
overy in Drill Pipe:	Remarks	
Free oil stands fee	et bbls,	
	et bbls Gas-cut drilling mud.	
	et bbls	
Gravity of oil API @		
	Water sample obtained Yes	
게임(P. B. 1987 T. P. B.	Ft. K.B.	
perature:°F. @	T Kuster	
sures: Type of pressure bomb(s) usedB		P.S.I.G.
sures: Type of pressure bomb(s) used	8 Final Hydrostatic Mud Pressure Final Closed In Pressure	
sures: Type of pressure bomb(s) used B Initial Hydrostatic Mud Pressure 2,12 Initial Closed in Pressure	8 Final Hydrostatic Mud Pressure	P.S.I.G.

Engineer Theo W. Link, P. Eng.

J. C. SPROULE AND ASSOCIATES LTD., CALGARY

DRILL STEM TEST REPORT

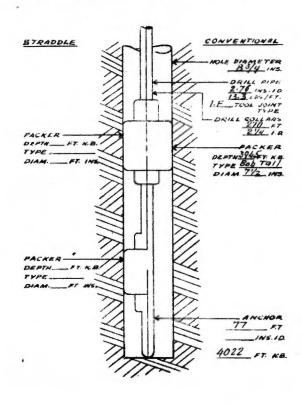
Free oil stands feet bbls. Mud 6 stands 540 feet bbls. slightly gas-cut drilling mud. Water stands feet bbls. Gravity of oil API @ F. Oil sample obtained Water sample obtained Yes. Temperature: F. @ Ft. K.B. Pressures: Type of pressure bomb(s) used Initial Hydrostatic Mud Pressure P.S.I.G. Initial Closed in Pressure Final Closed In Pressure P.S.I.G. Initial Flow Pressure P.S.I.G.		Location Provinc Ouebec
Date Commenced July 22, 1963 Date Commenced July 22, 1963 Formation Tested Potadam Section Tested: From 3,955 To 4,022 ft. Mud Properties: Wt. 9.8 Vis. 42 sec. Filtrate 68 c.c. Filter Cake 8/32 ph. Water Cushion None Type of Packer Bob tail Tester on bottom 9130 a.m. Tester opened 9158 a.m. Tester opened 9158 a.m. Tester opened 10100 a.m. Tester out of hole 12:15 p.m. Initial Closed in hrs. mins. Flow Period hrs. mins. Flow Period hrs. mins. Flow Period hrs. mins. Weight: Set on Packer 56,000 lbs. Pull Packer Loose 56,000 lbs. Weight drill pipe Before Test 65,000 After Test 65,000 Mud level in casing Dropped. Nature of Blow None Maximum Surface Pressure Free oil stands feet bbls. Mud 6 stands 540 feet bbls. slightly gas-cut drilling mud. Water stands feet bbls. Gravity of oil "API @ "F. Oil sample obtained Water sample obtained Yes. Pressures: Type of pressure bomb(s) used Initial Closed in Pressure 2,000 Final Hydrostatic Mud Pressure P.S.I.G. Initial Closed in Pressure P.S.I.G. Initial Flow Pressure P.S.I.G. Final Flow Pressu	Testing Company B-J Services	Operator Laduboro Oil Ltd.
Section Tested: From 3,955 To 4,022 ft. Mud Properties: Wt. 9.8 Vis. 42 sec. Filtrate 68 c.c. Filter Cake 8/32 ph. Water Cushion None Filtrate 68 c.c. Filter Cake 8/32 ph. Water Cushion None Tester started in hole 7:30 a.m. Tester opened 9:38 a.m. Tester opened 9:38 a.m. Tester opened 9:38 a.m. Tester opened 10:00 a.m. Tester out of hole 12:15 p.m. Initial Closed In hrs. Flow Period hrs. Final Closed In hrs. Flow Period hrs. Set on Packer 56,000 lbs. Weight drill pipe Before Test 65,000 After Test 65,000 Mud level in casing Dropped Nature of Blow None Maximum Surface Pressure Amazimum Surface Pressure Free oil stands Mud 6 stands 540 Water Stands feet bbls. Mud 6 stands 540 Water Stands feet bbls. Free oil stands feet bbls. Gravity of oil API Free Freesures: Type of pressure bomb(s) used Initial Closed in Pressure Final Flow Pressure Final Flow Pressure Final Closed In Pressure Final Closed In Pressure Free oil Stands Mud 6 stands 540 Water stands feet bbls. Free oil Water stands Feet bbls. Free oil Water stands Feet bbls. Free oil Pressure bomb(s) used Initial Closed in Pressure Final Closed In Pressure Final Closed In Pressure Final Flow Pressure Fin	Date Commenced July 22, 1963	Date Completed July 22, 1963
Time Remarks Tester started in hole 7:30 a.m. Tester opened 9:58 a.m. Tester closed 10:00 a.m. Tester closed 10:00 a.m. Tester pulled loose 10:00 a.m. Tes	MLE DIAMETER BILL INS.	Section Tested: From 3,955 To 4,022 ft. Mud Properties: Wt. 9.8 Vis. 42 sec. Filtrate 68 c.c. Filter Cake 8/32 ph. Water Cushion None Type of Packer Bob tail
Tester on bottom 9:30 a.m. Tester on bottom 9:30 a.m. Tester opened 9:58 a.m. Tester closed 10:00 a.m. Tester closed 10:00 a.m. Tester or bottom 9:30 a.m. Tester closed 10:00 a.m. Tester closed 10:00 a.m. Tester or of hole 12:15 p.m. Initial Closed In hrs. mins. Flow Period hrs. mins. Flow Period hrs. mins. Flow Period hrs. mins. Flow Period hrs. mins. Weight: Set on Packer 56,000 lbs. Pull Packer Loose 56,000 lbs. Weight drill pipe Before Test 65,000 After Test 65,000 Mud level in casing Dropped Nature of Blow None Maximum Surface Pressure Gas Flow: Dil Flow bbls. in hrs: Est. 24-hr. Flow Rate How Gauged inch. Recovery in Drill Pipe: Remarks Free oil stands feet bbls. Mud 6 stands 540 feet bbls. slightly gas-cut drilling mud. Water stands feet bbls. Gravity of oil API Free Free bbls. Gravity of oil API Free Free Free Free Free Free Free Fre	TYPE DEPTH 345.5T KB	Time Remarks
Tester on bottom 9:30 a.m. Tester opened 9:58 a.m. Tester closed 10:00 a.m. Tester closed 10:00 a.m. Tester pulled loose 10:00 a.m. Tester pulled loose 10:00 a.m. Tester out of hole 12:15 p.m. Initial Closed In hrs. mins. Flow Period hrs. mins. Weight: Set on Packer 56,000 lbs. Pull Packer Loose 56,000 lbs. Weight drill pipe Before Test 65,000 After Test 65,000 Mud level in casing Dropped. Nature of Blow None Maximum Surface Pressure Free oil stands feet bbls. Gravity of oil API @ F. Oil sample obtained Final Closed In hrs. mins. Weight: Set on Packer 56,000 lbs. Pull Packer Loose 56,000 lbs. Weight drill pipe Before Test 65,000 After Test 65,000 Mud level in casing Dropped. Nature of Blow None Maximum Surface Pressure Free oil stands feet bbls. Gravity of oil API @ F. Oil sample obtained Final Flow Pressure bomb(s) used Initial Hydrostatic Mud Pressure P.S.I.G. Initial Hydrostatic Mud Pressure P.S.I.G. Initial Flow Pressure Final Flow Pressure P.S.I.G. Initial Flow Pressure Final Flow Pressure P.S.I.G. Final Fl	DIAM 112 ING.	
Tester opened 9158 a.m. Tester closed 10100 a.m. Tester pulled loose 112115 p.m. Initial Closed In hrs. mins. Flow Period hrs. mins. Final Closed In hrs. mins. Final Closed In hrs. mins. Final Closed In hrs. mins. Weight: Set on Packer 56,000 lbs. Pull Packer Loose 56,000 lbs. Weight drill pipe Before Test 65,000 After Test 65,000 Mud level in casing Dropped Nature of Blow None Maximum Surface Pressure Free oil stands feet bbls. Mud 6 stands 540 feet bbls. slightly gas-cut drilling mud. Water stands feet bbls. Gravity of oil API @ 'F. Oil sample obtained Fressures: Type of pressure bomb(s) used Initial Hydrostatic Mud Pressure 2,090 Initial Hydrostatic Mud Pressure 2,090 Final Closed In hrs. mins. Weight: Set on Packer 56,000 lbs. Pull Packer Loose 56,000 lbs. Weight drill pipe Before Test 65,000 After Test 65,000 Mud level in casing Dropped Nature of Blow None Maximum Surface Pressure Remarks Free oil stands feet bbls. Gravity of oil API @ 'F. Oil sample obtained Water sample obtained Water sample obtained Water sample obtained Fr. K.B. Fressures: Type of pressure bomb(s) used Initial Hydrostatic Mud Pressure 2,090 Final Hydrostatic Mud Pressure P.S.I.G. Initial Flow Pressure Final Closed In Pressure P.S.I.G. Final Flow Pressure P.S.I.G.	∌ Ⅲ 🕏	
Tester closed 10100 a.m. Tester pulled loos 10100 a.m. Tester out of hole 12115 p.m. Initial Closed In hrs. mins. Flow Period hrs. mins. Weight drill pipe Before Test 65,000 After Test 65,000 Mud level in casing Dropped. Nature of Blow None Maximum Surface Pressure Gas Flow: MCF/day: How Gauged Nature of Blow None Maximum Surface Pressure Recovery in Drill Pipe: Remarks Free oil stands feet bbls. Mud 6 stands 540 feet bbls. Mud 6 stands feet bbls. Gravity of oil API @ "F. Oil sample obtained Water sample obtained Yes. Fressures: Type of pressure bomb(s) used Initial Hydrostatic Mud Pressure 2,090 Initial Hydrostatic Mud Pressure 2,090 Final Hydrostatic Mud Pressure P.S.I.G. Initial Flow Pressure Final Flow Pressure P.S.I.G. Fina		Tester opened 9:58 a.m. Fluid dropped, could
Tester out of hole 12:15 p.m. Initial Closed In hrs. mins. Flow Period hrs. mins. Flow Period hrs. mins. Weight: Set on Packer 56,000 lbs. Pull Packer Loose 56,000 lbs. Weight drill pipe Before Test 65,000 After Test 65,000 Mud level in casing Dropped. Nature of Blow None Maximum Surface Pressure MCF/day: How Gauged By None Maximum Surface Pressure MCF/day: How Gauged Nature of Blow None Maximum Surface Pressure Recovery in Drill Pipe: Remarks Free oil stands feet bbls. Mud 6 stands 540 feet bbls. Gravity of oil API @ F. Oil sample obtained Water stands feet bbls. Gravity of oil API @ F. Coil sample obtained Water sample obtained Yes. Temperature: "F. @ Ft. K.B. Pressures: Type of pressure bomb(s) used Initial Hydrostatic Mud Pressure P.S.I.G. Initial Flow Pressure Final Closed In Pressure P.S.I.G. Initial Flow Pressure Final Flow Pressure P.S.I.G. Final Flo	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Tester closed 10:00 a.m. not obtain packer sea
Initial Closed In hrs. mins. Flow Period hrs. mins. Weight: Set on Packer 56,000 lbs. Pull Packer Loose 56,000 lbs. Weight drill pipe Before Test 65,000 After Test 65,000 Mud level in casing Dropped. Nature of Blow None Maximum Surface Pressure Gas Flow: MCF/day: How Gauged By. None Maximum Surface Pressure Gas Flow: MCF/day: How Gauged By. None Maximum Surface Pressure Flow Packer 56,000 lbs. Pull Packer Loose 56,000 lbs. Weight drill pipe Before Test 65,000 After Test 65,000 Mud level in casing Dropped. Nature of Blow None Maximum Surface Pressure Gas Flow: MCF/day: How Gauged By. None Maximum Surface Pressure Flow Packer 56,000 lbs. Pull Packer Loose 56,000 lbs. Weight: Set on Packer 56,000 lbs. Weight: Set on Packer 56,000 lbs. Weight: Set on Packer Flow Pressure Mud level in casing Dropped. None Maximum Surface Pressure Remarks Free oil stands feet bbls. Sightly gas-cut drilling mud. Water stands feet bbls. Sightly gas-cut drilling m	PACKER	Tester out of hole 12:15 n-m.
Flow Period hrs. mins. ### Ancwar	DEPTH_FT KB	
Final Closed In hrs. mins. Weight: Set on Packer 56,000 lbs. Pull Packer Loose 56,000 lbs. Weight drill pipe Before Test 65,000 After Test 65,000 Mins. Mud level in casing Dropped. Nature of Blow None Maximum Surface Pressure Nature of Blow None Maximum Surface Pressure Maximum Surface Pressure By By By Bree oil stands feet bbls. Mud 6 stands 540 feet bbls. Mud 6 stands feet bbls. Gravity of oil 6 stands feet bbls. Gravity of oil 7 API 7 Final Closed In hrs. mins. Weight: Set on Packer 56,000 lbs. Pull Packer Loose 56,000 lbs. Weight: Set on Packer Se,000 After Test 65,000 Mins. None Maximum Surface Pressure Remarks Remarks Free oil stands feet bbls. Gravity of oil 7 API 7 Final Ployers sample obtained Yes. Fressures: Type of pressure bomb(s) used Initial Hydrostatic Mud Pressure P.S.I.G. Initial Closed in Pressure Final Closed In hrs. mins. Weight: Set on Packer Seat failure. No test. Misrun.	DIAMFT WS	
Weight: Set on Packer 56,000 lbs. Pull Packer Loose 56,000 lbs. Weight drill pipe Before Test 65,000 After Test 65,000 Mud level in casing Dropped Nature of Blow None Maximum Surface Pressure Dil Flow bbls. in hrs: Est. 24-hr. Flow Rate How Gauged Size flow line Inch. I.D. Size Orifice inch. Recovery in Drill Pipe: Remarks Free oil stands feet bbls. Mud 6 stands 540 feet bbls. slightly gas-cut drilling mud. Water stands feet bbls. Gravity of oil API @ F. Oil sample obtained Temperature: "F. @ Ft. K.B. Pressures: Type of pressure bomb(s) used Initial Hydrostatic Mud Pressure 2,090 Final Hydrostatic Mud Pressure P.S.I.G. Initial Flow Pressure Final Closed In Pressure P.S.I.G. Initial Flow Pressure Final Flow Pressure P.S.I.G. REMARKS Mechanically, was Test Satisfactory? No. Packer seat failure. No test. Misrun.	2 11.	
Dil Flow bbls. in hrs: Est. 24-hr. Flow Rate How Gauged inch. Recovery in Drill Pipe: Remarks Free oil stands feet bbls. Mud 6 stands 540 feet bbls. Water stands feet bbls. Gravity of oil API @ "F. Oil sample obtained Water sample obtained Yes. Temperature: F. @ Ft. K.B. Pressures: Type of pressure bomb(s) used Initial Hydrostatic Mud Pressure 2,090 Final Hydrostatic Mud Pressure P.S.I.G. Initial Closed in Pressure Final Closed In Pressure P.S.I.G. Initial Flow Pressure Final Flow Pressure P.S.I.G. REMARKS Mechanically, was Test Satisfactory? No. Packer seat failure. No test. Misrun.	4022 FT KB.	Weight drill pipe Before Test 65,000 After Test 65,000 Mud level in casing Dropped Nature of Blow None
Dil Flow bbls. in hrs: Est. 24-hr. Flow Rate How Gauged inch. Recovery in Drill Pipe: Remarks Free oil stands feet bbls. Mud 6 stands 540 feet bbls. Water stands feet bbls. Gravity of oil API @ "F. Oil sample obtained Water sample obtained Yes. Temperature: F. @ Ft. K.B. Pressures: Type of pressure bomb(s) used Initial Hydrostatic Mud Pressure 2,090 Final Hydrostatic Mud Pressure P.S.I.G. Initial Closed in Pressure Final Closed In Pressure P.S.I.G. Initial Flow Pressure Final Flow Pressure P.S.I.G. REMARKS Mechanically, was Test Satisfactory? No. Packer seat failure. No test. Misrun.		
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Free oil stands feet bbls. Mud 6 stands 540 feet bbls. slightly gas-cut drilling mud. Water stands feet bbls. Gravity of oil API Water sample obtained Yes. Temperature: F. F. Ft. K.B. Pressures: Type of pressure bomb(s) used BT Kuster Initial Hydrostatic Mud Pressure 2,090 Final Hydrostatic Mud Pressure P.S.I.G. Initial Closed in Pressure Final Closed In Pressure P.S.I.G. Initial Flow Pressure Final Flow Pressure P.S.I.G. REMARKS Mechanically, was Test Satisfactory? No. Packer seat failure. No test. Misrun.		
Mud 6 stands 540 feet bbls. slightly gas-cut drilling mud. Water stands feet bbls. Gravity of oil API Water sample obtained Yes. Temperature: F. F. Ft. K.B. Pressures: Type of pressure bomb(s) used Initial Hydrostatic Mud Pressure P.S.I.G. Initial Closed in Pressure Final Closed In Pressure P.S.I.G. Initial Flow Pressure Final Flow Pressure P.S.I.G. REMARKS Mechanically, was Test Satisfactory? No. Packer seat failure. No test. Misrun.	Recovery in Drill Pipe:	Remarks
Water stands feet bbls. Gravity of oil °API @ °F. Oil sample obtained Water sample obtained Yes. Temperature: °F. @ Ft. K.B. Pressures: Type of pressure bomb(s) used BT Kuster Initial Hydrostatic Mud Pressure 2,090 Final Hydrostatic Mud Pressure P.S.I.G. Initial Closed in Pressure Final Closed In Pressure P.S.I.G. Initial Flow Pressure Final Flow Pressure P.S.I.G. REMARKS Mechanically, was Test Satisfactory? No. Packer seat failure. No test. Misrun.	Free oil stands	feet bbls.
Gravity of oil ° API @ °F. Oil sample obtained Water sample obtained Yes. Temperature: °F. @ Ft. K.B. Pressures: Type of pressure bomb(s) used Initial Hydrostatic Mud Pressure P.S.I.G. Initial Closed in Pressure Final Closed In Pressure P.S.I.G. Initial Flow Pressure Final Flow Pressure P.S.I.G. REMARKS Mechanically, was Test Satisfactory? No. Packer seat failure. No test. Misrun.		
Oil sample obtained Water sample obtained Yes. Temperature: °F. @ Ft. K.B. Pressures: Type of pressure bomb(s) used BT Kuster Initial Hydrostatic Mud Pressure 2,090 Final Hydrostatic Mud Pressure P.S.I.G. Initial Closed in Pressure Final Closed In Pressure P.S.I.G. Initial Flow Pressure Final Flow Pressure P.S.I.G. REMARKS Mechanically, was Test Satisfactory? No. Packer seat failure. No test. Misrun.		
Pressures: Type of pressure bomb(s) used Initial Hydrostatic Mud Pressure 2,090 Initial Closed in Pressure Initial Flow Pressure Final Closed In Pressure Final Flow Pressure Final Flow Pressure P.S.I.G. REMARKS Mechanically, was Test Satisfactory? No. Packer seat failure. No test. Misrun.		
Initial Hydrostatic Mud Pressure 2,090 Final Hydrostatic Mud Pressure P.S.I.G. Initial Closed in Pressure Final Closed In Pressure P.S.I.G. Initial Flow Pressure Final Flow Pressure P.S.I.G. REMARKS Mechanically, was Test Satisfactory? No. Packer seat failure. No test. Misrun.		Ft. K.B.
Initial Closed in Pressure Final Closed In Pressure P.S.I.G. Initial Flow Pressure Final Flow Pressure P.S.I.G. REMARKS Mechanically, was Test Satisfactory? No. Packer seat failure. No test. Misrun.	Temperature:°F. @	
Initial Flow Pressure Final Flow Pressure P.S.I.G. REMARKS Mechanically, was Test Satisfactory? No. Packer seat failure. No test. Misrun.	Temperature:°F. @ Pressures: Type of pressure bomb(s) used	On Final Lindan-tatic Management Design
REMARKS Mechanically, was Test Satisfactory? No. Packer seat failure. No test. Misrun.	Temperature: °F. @ Pressures: Type of pressure bomb(s) used Initial Hydrostatic Mud Pressure 2,0	
Mechanically, was Test Satisfactory? No. Packer seat failure. No test. Misrun.	Temperature: °F. @ Pressures: Type of pressure bomb(s) used Initial Hydrostatic Mud Pressure 2,0 Initial Closed in Pressure	Final Closed In Pressure P.S.I.G.
	Temperature: °F. @ Pressures: Type of pressure bomb(s) used Initial Hydrostatic Mud Pressure 2,0 Initial Closed in Pressure Initial Flow Pressure REMARKS	Final Closed in Pressure P.S.I.G. Final Flow Pressure P.S.I.G.
	Temperature: °F. @ Pressures: Type of pressure bomb(s) used Initial Hydrostatic Mud Pressure 2,0 Initial Closed in Pressure Initial Flow Pressure REMARKS	Final Closed in Pressure P.S.I.G. Final Flow Pressure P.S.I.G.

Engineer Theo W. Link, P. Eng.

J. C. SPROULE AND ASSOCIATES LTD., CALGARY

DRILL STEM TEST REPORT

TEST No. 1B	
Well Name Laduboro CIG Nicolet No. 1	Location
Field or Area Wildcat	Province Quebec
Testing Company B-J Services	Operator Laduboro Oil Limited
	Date Completed July 22, 1963



Formation Tested Por	tsdam			
Section Tested: From		То	4,022	ft.
Mud Properties: Wt.	9.8	Vis.	42	sec.
Filtrate . 65	. c.c. Filter	Cake	8/32	ph
Water Cushion None	e	ft.		
Type of Packer	Bob tail			
Choke Size, surface	1/2	Bottor	n Hole	1/2

	Ti	me		Remarks
Tester started in hole Tester on bottom		p.m.		
Tester opened 4:16	4:48	p.m.		
	6:18	p.m.		
Tester pulled loose	7:30	p.m.		
Tester out of hole				a
Initial Closed In	-	hrs.	30	mins.
Flow Period	1	hrs.	30	mins.
Final Closed In	1	hrs.		mins.
Weight:				

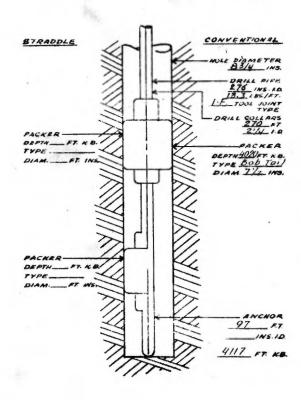
Set on Packer 25,000 lbs. Pull Packer Loose 25,000 lbs.
Weight drill pipe Before Test 65,000 After Test 65,000
Mud level in casing Surface
Nature of Blow Good initial puff
Maximum Surface Pressure 3" of H₂0

Gas Flow:	10.9	MCF/day: How	Gauged	Orifice well t	tester	By Theo W.	Link,	P. Eng.
Oil Flow	bbl	ls. in	hrs: Est.	24-hr. Flow Rate		How Gauged		
Size flow line	2	Inch. I.D.	Size Orif	fice .1/2		inch.		

Recovery in Drill Pipe:	Remarks
Free oil stands feet	bbls.
Mud 4 stands 120 feet	bbls. Gas-cut drilling mud
Water stands feet	bbls.
Gravity of oil API @	*F.
	Water sample obtained Yes
Temperature: °F. @	
Pressures: Type of pressure bomb(s) used BT Kus	
	Final Hydrostatic Mud Pressure 2,170 P.S.I.G.
	Final Closed In Pressure 236 P.S.I.G.
Initial Flow Pressure 117	Final Flow Pressure 117 P.S.I.G.
REMARKS	
Mechanically, was Test Satisfactory? Yes. G	Good initial puff. Good air blow with gas to ar day. Held steady throughout test.

DRILL STEM TEST REPORT

TEST No. 2	
Well Name Laduboro CIG Nicolet No. 1	Location
	Operator Laduboro Oil Limited
Date Commenced August 7, 1963	Date Completed August 7, 1963



Formation Tested P	ot sdam				
				ft.	
Filtrate 32	c.c. Filter	Cake	5/32	ph.	
Type of Packer Bob to	ail				
Choke Size, surface 3	/4	Bottom	Hole 1	/2	
	Section Tested: From Mud Properties: Wt. Filtrate 32 Water Cushion None Type of Packer Bob to	Section Tested: From 4,020 Mud Properties: Wt. 11.5 Filtrate 32 c.c. Filter Water Cushion None Type of Packer Bob tail	Section Tested: From 4,020 To Mud Properties: Wt. 11.5 Vis. Filtrate 32 c.c. Filter Cake Water Cushion None ft. Type of Packer Bob tail	Mud Properties: Wt. 11.5 Vis. 42 Filtrate 32 c.c. Filter Cake 5/32 Water Cushion None ft. Type of Packer Bob tail	Section Tested: From 4,020 To 4,117 ft. Mud Properties: Wt. 11.5 Vis. 42 sec. Filtrate 32 c.c. Filter Cake 5/32 ph.

Tir	me		Remarks	
Tester started in hole 1:10	p.m.			
Tester on bottom 4:00	p.m.			
Tester opened 4:08 4:50				
Tester closed 4:15 4:52	p.m.	7:02		
Tester pulled loose 8:30	p.m.			
Tester pulled loose 8:30 Tester out of hole 12:00	p.m.			
Initial Closed In				
Flow Period 1				
Final Closed In	hrs.	60	mins.	
Weight:				
C . D . 25 000 IL-	D11	Dankan I		Ib-

Set on Packer 25,000 lbs. Pull Packer Loose 80,000 lbs. Weight drill pipe Before Test 52,000 After Test 52,000 Mud level in casing Surface.

Nature of Blow Strong initial blow

Maximum Surface Pressure 60 psig

Gas Flow:	924	MCF/day: How Gauged Orifice well tester	By Theo W. Link, P. Eng.
Oil Flow		bbls. in hrs: Est. 24-hr. Flow Rate	How Gauged
Size flow line	9	2 Inch I.D. Size Orifice 3/4	inch.

Recovery in Drill Pipe:	Remarks
Free oil stands feet	bbls.
Mud stands feet	bbls
Water 4 stands 390 feet	bbls. salt water
Gravity of oil ADI	• r
Oil sample obtained No	Water sample obtained Yes
Temperature: "F. @	E+ K B
Temperature: r. @	. II. N.D.
Pressures: Type of pressure bomb(s) used BT Kust	er
Pressures: Type of pressure bomb(s) used BT Kust Initial Hydrostatic Mud Pressure 2,576	Final Hydrostatic Mud Pressure 2,532 P.S.I.G.
Pressures: Type of pressure bomb(s) used BT Kust Initial Hydrostatic Mud Pressure 2,576 Initial Closed in Pressure 2,268	er
Pressures: Type of pressure bomb(s) used BT Kust Initial Hydrostatic Mud Pressure 2,576 Initial Closed in Pressure 2,268 Initial Flow Pressure 590 REMARKS	Final Hydrostatic Mud Pressure 2,532 P.S.I.G. Final Closed In Pressure P.S.I.G.

Ges to surface in 2 mins. Mud to surface in 8 mins. Strong blow of gas and salt water throughout test as follows: Time - 6:00 p.m. - Pres. 50. Time - 6:10 p.m. - Pres. 50.

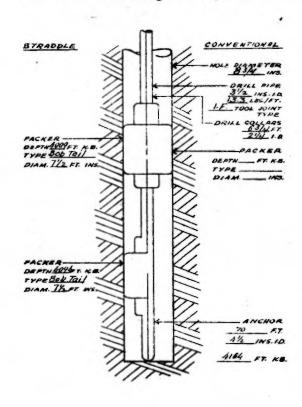
Time - 6:55 p.m. Pres. 60. Time - 7:00 - Pres. 60.

Engineer Theo W. Link.

J. C. SPROULE AND ASSOCIATES LTD., CALGARY

DRILL STEM TEST REPORT

TEST No.	3
Well Name Laduboro CIG Nicolet No. 1	Location
Field or Area Wildcat	Province Quebec
	Operator Laduboro Oil Limited
Date Commenced August 12, 1963	Date Completed August 13, 1963



Formation Tested Potsdam) 7
Section Tested: From 4,008	To 4,094 ft.
Mud Properties: Wt. 12.0	
Filtrate 50 c.c. Filte	
Water Cushion none	
Type of Packer Bob tail	
Choke Size, surface 3/4	Bottom Hole 1/2

	Time		Remarks
Tester started in hole	11:30 p.s		
Tester on bottom			
Tester opened 4:20			- Reseat packer
Tester closed 4:27	5:02 a.m	5:40	- Reseat packer
Tester pulled loose			
Tester out of hole	9:00 a.s		
Initial Closed In	hrs.	30	mins.
Flow Period	hrs.	60	mins.
Final Closed In	hrs.	.30	mins.
Weight:			
Set on Packer 25,00	0 lbs. Pul	Packer Lo	ose 120,000bs.

Set on Packer 25,000 lbs. Pull Packer Loose 120,000 bs. Weight drill pipe Before Test 52,000. After Test 52,000 Mud level in casing Surface.

Nature of Blow Good initial blow

Maximum Surface Pressure 5° of H20

Gas Flow: TSTM MCF/	day: How Gauged	By Theo W. Link, P. Eng.
Oil Flow bbls, in	hrs: Est. 24-hr. Flow Rate	How Gauged
	inch. I.D. Size Office 374	
Recovery in Drill Pipe:		Remarks

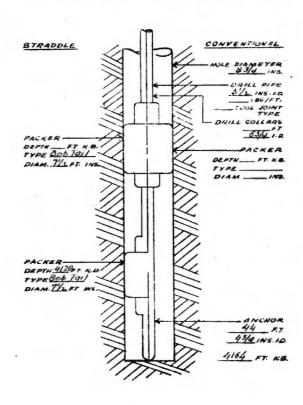
	bbls.
Mud 9 1/3 stands 340 feet	bbls. Gas-cut drilling mud
Water stands feet	bbls
Gravity of oil API @	*F.
Oil sample obtained No	Water sample obtained Yes.
Temperature: 114 °F. @ 4,079	Ft. K.B.
Pressures: Type of pressure bomb(s) used BT K	uster
Initial Hydrostatic Mud Pressure 2,48	9 Final Hydrostatic Mud Pressure 2,489 P.S.I.G.
	7 Final Closed In Pressure 497 P.S.I.G.
	3 Final Flow Pressure 233 P.S.I.G.
REMARKS	

Mechanically, was Test Satisfactory? Yes. Strong initial air blow for 7 mins. Shut tool in 30 mins. Poor blow dead in 20 mins. Reseat packer after 40 mins. Poor blow, dead in 5 mins. Remained dead throughout test. No gas to surface. TSTM.

Recovered 340° of gas-cut drilling mud.

DRILL STEM TEST REPORT

TEST No.	
Well Name Laduboro CIG Nicolet No. 1	Location
Field or Area Wildcat	Province Quebec
Testing Company B-J Services	Operator Laduboro Oil Limited
Date Commenced August 12, 1963	Date Completed August 13, 1963.



Free oil stands

stands 155

Formation Tested Pot	tsdem	
	4,120 To 4,164 ft.	
Mud Properties: Wt.	12.1 Vis. 40 sec.	
Filtrate 50	c.c. Filter Cake 8/32 .ph.	
Water Cushion N11	ft.	
Type of Packer Bob	tail (dual)	
Choke Size, surface		

	Time		Remarks	
Tester started in hole 6	00 p.m.			
Tester on bottom 8	:00 p.m.			
Tester opened 8	:56 p.m.			
Tester closed 9	26 p.m.			,
Tester pulled loose 9 Tester out of hole 12	56 p.m.			
Tester out of hole 12:	30 a.m.			,
Initial Closed In				
Flow Period	hrs.	30	mins.	
Final Closed In	hrs.	30	mins.	
Weight:				
C-1 - D1 - 40 000	IL - D. II	Dankan I	100 000ks	

Set on Packer 40,000 lbs. Pull Packer Loose 100,000 lbs. Weight drill pipe Before Test 68,000 After Test 70,000 Mud level in casing Surface
Nature of Blow Weak air blow - dead in 5 mins.

Maximum Surface Pressure 5"..... bucket water.

feet bbls. Gas and water-cut drilling mud.

Gas Flow:	N11	MCF	/day: Ho	w Gauged		aller consequ	By T. Woodman
Oil Flow		bbls. in		hrs: Est.	24-hr. Flow Rate		How Gauged
Size flow li	ne 2		Inch. I.D	Size Orifi	ice		inch.

Recovery in Drill Pipe: Remarks

Water stands feet bbls.

Gravity of oil ° API @	
Oil sample obtained	Water sample obtained Yes
Temperature: 1,140 °F. @ 4,160	
Pressures: Type of pressure bomb(s) used 6,200 ps	sig Kuster
Initial Hydrostatic Mud Pressure 2,580 psig	Final Hydrostatic Mud Pressure 2,560 P.S.I.G.
Initial Closed in Pressure 560 psig	Final Closed In Pressure 480 P.S.I.G.
Initial Flow Pressure 180 psig	Final Flow Pressure

feet bbls.

REMARKS

Mechanically, was Test Satisfactory? Yes. Initial Bleed 8:18 - 825. Good steady air blow throughout initial bleed. (7 mins.) Adjust table to shut in. Initial shut-in 8:25-8:55 p.m. Hud wt sample No. 1 9.5 lb./gal. No. 2 10.0 lb./gal.
Bottom chart indicates perfs plugged above bottom bomb chart 48' above bottom 0.V.

Engineer T. Woodman

J. C. SPROULE AND ASSOCIATES LTD., CALGARY

SURFACE CASING

Well Name: Laduboro CIG Nicolet No. 1

Ran 7 joints (221.431) of 9 5/8", 32-1b./ft., H-40, R-2, 8 rd, ST&C, new Mannesman casing. Landed and cemented at 2359 K.B., using the rig pump with 89 sacks of Portland construction cement. No returns to surface. Plug down at 2:00 p.m., June 29, 1963. Used Hallburton float shoe, two centralizers. Thread locked shoe and three joints of casing. Dumped 1 1/2 loads of gravel down outside of casing.

Joint No.	Feet
1	31.67
2	31.60
3	29.51
4	31.55
5	31.08
6	31.23
7	30.82
	217.46

- 217.46
- 0.70
- 1.32
- 1.95
221.43

PRODUCTION CASING

Well Name: Laduboro CIG Nicolet No. 1

Ran 136 joints (4,167.66') of 4 1/2", 9.5-1b./ft., J-55, R-2, 8 rd, ST&C, new Page Hershy casing. Landed and cemented at 4,164' K.B. by Halliburton, using 400 sacks of construction cement with 2% salt gel preceded with 500 gals. of a Saap-Morflo flush ahead of the cement. Plug down at 9:18 p.m., August 14, 1963. Used Halliburton guide shoe, insert float collar, 10 centralizers and 13 scratchers. Cemented with top and bottom plug.

Joint No.	Length Feet	Joint No.	Length Feet	Joint No.	Length Feet	Joint No.	Length Feet
1	18.58	11	29.06	21	30.96	31	30.13
2	32.27	12	31.66	22	28.15	32	30.86
3	31.02	13	31.75	23	29.68	33	32.22
4	31.3 6	14	31.13	24	30. 90	34	30.49
5	31.61	15	31.06	25	31.30	35	29.66
6	31.46	16	31.34	26	30,10	36	31.58
7	28.54	17	32.05	27	32.16	37	28.80
8	30.20	18	30.60	28	31.65	38	31.68
9	30.78	19	31.97	29	32.02	39	30.97
10	30.64	20	30.79	. 30	32.13	40	31.87
	296.46		311.41	·	309.05		307.26
41	31.21	51	30.99	61	32.28	71	30.42
42	31.28	52	30.74	62	29.90	72	29.36
43	30.91	53	31.46	63	30.46	73	31.90
44	31.43	54	31.36	64	30.67	74	31.23
45	29.60	55	28.96	65	31.80	75	27.84
46	28.91	5 6	28.35	66	29.77	76	32.30
47	27.84	57	31.41	67	30.48	77	30.38
48	28.34	58	31.61	68	30.82	78	29.80
49	29.71	59	32.05	69	32.56	79	31.83
50	30.30	60	31.62	70	31.55	80	30.43
	299.53		308.55		310.29		304.49
81	29.52	91	31.64	101	30. 84	111	31.93
82	32.30	92	29.35	102	30.09	112	31.02
83	28.35	93	30.81	103	36.60	113	31.76
84	32.15	94	30.90	104	28.74	114	30.16
٤5	28.12	95	30. 55	105	32.10	115	28.58
86	31.44	96	32.30	106	31.32	116	30.40
87	28.91	97	32.06	107	31.20	117	31.59
38	29.80	98	31.13	108	30.53	118	29.18
89	30.93	99	30.26	109	31.30	119	29.90
90	29.13	100	30.19	110	32.14	120	31.28
	300.71		309.17		308.86		305.80

Joint No.	Length Feet	Joint No.	Length Feet
121	30.59	131	28.12
122	30.09	132	28.18
123	30.28	133	29.99
124	28.97	134	32.58
125	32.45	135	29.61
12 6	30.56	136	42.80
127	29.10		
128	31.50		
129	30.66		
130	29.73		
	303.93		191.28

Total casing - 4,166.79°
Guide shoe - 0.87°
4,167.66°

TUBING TALLY

Well Name: Laduboro CIG Nicolet No. 1

Ran 130 joints (4,101.07') of 2 3/8", EUE, J-55, 4.7 lb./ft., 8 rd, seamless, new Page Hershy tubing. Landed at 4,128.17' K.B. Tubing open ended with a collar on the bottom of the bottom joint.

Joint No.	Length Feet	Joint No.	Length Feet	Joint No.	Length Feet	Joint No.	Length Feet
1	31.67	11	30.70	21	31.62	31	31.63
2	31.66	12	31.69	22	31.65	32	31.63
3	31.63	13	31.47	23	31.62	33	31.56
4	31.61	14	31.67	24	31.35	34	31.64
5	31.56	15	31.65	25	31.65	35	31.65
6	31.65	16	31.37	2 6	31.65	36	31.64
7	31.57	17	31.65	27	31.70	37	31.65
8	31.65	18	31.63	28	31.64	38	31.63
9	31.51	19	31.67	29	31.61	39	31.65
10	31.62	20	31.65	30	31.65	40	31.61
	316.13	٠	315.15		316.14		316.29
41	31.66	51	31.65	61	31.32	71	31.63
42	31.63	52	31.66	62	31.64	72	31.63
43	31.63	53	31.40	63	31.66	73	31.65
44	31.46	54	31.62	64	31.66	74	31.64
45	30.25	55	31.21	65	31.31	75	31.57
46	3.1.67	56	31.15	66	31.59	76	31.66
47	30.60	57	31.37	67	31.62	77	31.65
48	31.40	5 8	31.42	68	31.61	78	31.64
49	31.63	59	31.05	69	31.20	79	31.61
50	31.68	60	31.53	70	31.65	80	31.67
	313.61		314.06		315.26		316.35
81	31.63	91	31.65	101	31.22	111	31.60
82	31.61	92	31.65	102	31.66	112	31.40
83	31.64	93	31.64	103	31.30	113	31.66
84	31.69	94	31.61	104	31.63	114	31.63
85	31.65	95	31.27	105	31.45	115	31.20
86	31.62	96	31.66	106	31.64	116	31.35
87	31.63	97	31.66	107	31.32	117	31.66
88 _	31.65	98	31.60	108	31.66	118	31.65
89	31.34	99	31.62	109	31.66	119	31.63
90	31.53	100	31.65	110	31.61	120	31.59
	315.99		316.01		315.15		315.57

Joint No.			
	Feet		
121	31.65	Total Tubing - 4,101.17°	
122	31.50	Sub - 10.00°	
123	31.54	Sub - 5.00°	
124	31.65	K.B. to Tubing	
125	31.64	Hangar - 12.52	
126	31.24	Tubing Landed 4,128.69% K.	В.
12 7	31.40	1001118 1711040 4,120.03. K	D.
128	31.66		
129	31.65		
130	31.63		
	315.56		

SAMPLE DESCRIPTION

Well Name: Laduboro CIG Nicolet No. 1

Logged By: G. V. Lloyd, P. Geol.
J. C. Sproule and Associates Ltd.

Logged At: Calgary, Alberta

Date Commenced: July 2, 1963

Interval Feet	Description
	Champlain Clay
0-50	No samples.
50-70	Blue clay (no samples).
	Pre-Champlain Deposits - 70'(+31")
70-80	Gravel, pebble, grit, and fragments of rocks of varied origin including igneous and sedimentary types.
80-90	As above.
90-100	As above.
	Richmond Group
	Fontgrave River Formation - 100 (+1)
100-110	Shale, light grey (light greenish cast when wet), micromicaceous, slightly calcareous to very slightly calcareous, firm; minor medium brown, very fine-grained argillaceous limestone.
110-120	As above.
120-130	As above, rare fossil fragments (brachiopods).
130-140	As above.
140-150	As above.
150-160	Limestone, light grey, argillaceous, finely granular, rare small fossil fragments (brachiopods) and minor light grey calcareous shale.
160-170	As above.
170-180	As above, rare ostracods(?).

Interval Feet	Description
180-190	As above, common fossil fragments.
190-200	As above.
200-210	As above.
210-220	Limestone, light brownish grey, argillaceous, very fine-grained, dense, probably slightly silty, common fossil debris (mainly brachiopods); and minor shale, light grey, calcareous to slightly calcareous, micromicaceous, firm.
220-230	As above.
230-240	As above.
240-250	Shale, light grey, slightly micromicaceous, calcareous, firm, rare poorly preserved brachiopod fragments, trace of light brown, very fine-grained argillaceous limestone.
250-260	Shale and limestone, as above; limestone very fossiliferous with brachiopods and ostracods.
260-270	As above.
270-280	As above.
280-290	Shale, grey, calcareous, slightly micromicaceous, rare ostracods, brachiopod fragments, minor brown, very fine-grained limestone.
290-300	As above.
300-310	As above.
310-320	Shale, as above; with light grey, micaceous, silty, very fine-grained limestone.
320-330	Shale, light grey, calcareous, slightly micromicaceous, slightly silty, firm.
330-340	Shale, as above, and rare, light brown, very fine-grained, fragmental limestone; rare thin white calcite lined fractures.
340-350	As above, but lacking fractures.
	Lorraine and Utica Groups
	Nicolet River Formation - 350° (-249°)
350-360	Shale, light grey, calcareous, silty, slightly micromicaceous, rarely fossiliferous with ostracods.

Interval Feet	<u>Description</u>
360-370	As above.
370-380	Shale, light grey, slightly calcareous, micromicaceous, firm.
380-390	As above, fragment of Orthoceras sp.
390-400	As above.
400-410	Shale, light grey, very calcareous to slightly calcareous, micromicaceous, firm.
410-420	As above.
420-430	Shale, light grey, slightly calcareous, micromicaceous, slightly silty to silty, firm.
430-440	As above.
440-450	As above.
450-460	As above.
460-476	As above; rare very fine crystalline pyrite; very rare closed micro- fractures lined with light brown bituminous matter.
470-480	Shale, as last described, but lacks fractures and pyrite.
480-490	As above.
490~500	Shale, light grey, calcareous, micromicaceous, silty, firm; and siltstone, light grey, argillaceous, calcareous, micromicaceous, difficult friable.
500-510	As above.
510-520	As above.
520-530	Shale, light greenish grey, slightly calcareous, slightly silty, micromicaceous, firm.
530-540	As above.
540-550	As above.
550-560	Shale, as above; and siltatone, light greenish grey, argillaceous, calcareous, micromicaceous.
560-570	As above.
570-580	As above.
580-590	As above, but lacks siltstone.

Interval Feet	Description
590-600	Shale, light greenish grey, slightly calcareous, very slightly silty, micromicaceous, firm.
600-610	As above.
610-620	As above.
620-630	As above, minor siltstone, as last described.
630-640	Shale, medium grey, slightly calcareous, slightly silty, micromicaceous, firm.
640-650	As above.
650-660	As above, trace of poorly preserved shell fragments, ostracods.
660-670	As above.
670-680	As above.
680-690	As above.
690-700	Shale, as above, but with light gray, argillaceous, calcareous siltstone.
700-710	Shale and siltstone, as above.
710-720	Shale, medium grey, slightly calcareous, slightly silty, micro-micaceous, firm.
720-730	Shale, medium grey, slightly calcareous, micromicaceous, firm; minor grey, micromicaceous, argillaceous, calcareous siltatone.
730-740	Shale, medium grey, slightly calcareous, micromicaceous, slightly silty, firm; rare brachiopod fragments.
740-750	Shale, as above, and siltstone, as last described.
750-760	Shale, medium grey, very slightly calcareous, slightly silty, slightly micromicaceous, firm.
760-770	Shale, as above.
770-780	Shale, as above; and siltstone, as last described.
780-790	As above.
790-800	As above.
800-810	As above.
810-820	Shale and minor siltstone, as above.

Interval Feet	Description
820-830	As above.
830-840	As above.
840-850	As above.
850-860	As above.
860-870	As above.
870-880	Siltstone, light greenish grey, well sorted quartz, argillaceous, micromicaceous to salt and pepper with mica, slightly calcareous, well cemented, difficult friable; and minor shale, medium grey, very slightly calcareous, micromicaceous, slightly silty, firm.
880-890	As above.
890-900	Shale, medium grey, very slightly calcareous, slightly micromicaceous, slightly silty, firm; and minor siltstone, as last described.
900-910	As above.
910-920	As above.
920-930	As above.
930-940	As above.
940-950	As above.
950-960	As above.
960-970	As above.
970-980	As above, minor brown fragmental limestone.
980-990	Shale and siltstone, as last described.
990-1000	As above.
1000-1010	As above.
1010-1020	As above.
1020-1030	As above.
1030-1040	As above.
1040-1050	Shale, medium grey, slightly micromicaceous, slightly calcareous, slightly silty, firm.

Interval Feet	Description
1050-1060	Shale and siltstone, as described above, trace brachiopod fragments.
1060-1070	Shale, medium grey, slightly micromicaceous, slightly calcareous, slightly silty, firm.
1070-1080	Shale and siltstone, as described above.
1080-1090	As above.
1090-1100	As above.
1100-1110	Shale, medium grey, slightly micromicaceous, slightly calcareous, slightly silty, fairly common brachiopod fragments and moulds.
1110-1120	As above.
1120-1130	As above.
1130-1140	As above.
1140-1150	As above.
1150-1160	As above, fossils absent.
1160-1170	As above.
1170-1180	As above.
1180-1190	As above.
1190-1200	As above.
1200-1210	As above.
1210-1220	Sample missing.
1220-1230	Shale, medium to dark grey, micromicaceous, slightly calcareous, very slightly silty.
1230-1240	As above.
1240-1250	Shale, medium to dark gray, and as above.
1250-1260	Shale, as above, and siltstone, medium grey, salt and pepper quartz and mica, slightly calcareous, argillaceous, and difficult friable.
1260-1270	Shale and siltstone, as above.
1270-1280	Shale and siltstone, as above, rare white calcite lined, closed fractures.
1280-1290	Shale and siltstone, as above.

Interval Feet	<u>Description</u>
1290-1300	As above.
1300-1310	As above.
1310-1320	No sample.
1320-1330	Shale and siltstone, as last described.
1330-1340	Shale, medium to dark grey, micromicaceous, slightly calcareous, very slightly silty, firm.
1340-1350	As above.
1350-1360	As above.
1360-1370	As above.
1370-1380	As above.
1380-1390	As above.
1390-1400	As above.
1400-1410	As above, very light brown streak.
1410-1420	As above.
1420-1430	As above, but fairly silty.
1430-1440	Shale, as last described.
1440-1450	As above.
1450-1460	As above.
1460-1470	As above, but fairly silty.
1470-1480	Shale, as last described.
1480-1490	As above.
1490-1500	Shale, dark grey, micromicaceous, slightly calcareous, very slightly silty, firm, light brown streak.
1500-1510	As above.
1510-1520	As above.
1520-1530	As above.
1530-1540	Shale, as above, but fairly silty.

Interval Fast	Description
1540-1550	Shale, silty, as above.
1550-1560	Shale, dark grey, micromicaceous, slightly calcareous, very slightly silty, firm, light brown streak.
1560-1570	As above.
1570-1580	As above.
1580-1590	As above.
1590-1600	Shale, as above, but fairly silty.
1600-1610	As above.
1610-1620	As above.
1620-1630	As above.
1630-1640	Shale, dark grey, micaceous, very slightly calcareous, very slightly silty, firm, light brown streak.
1640-1650	As above.
1650-1660	As above.
1660-1670	As above.
1670-1680	As above.
1690-1700	As above.
1700-1710	As above.
1710-1720	As above.
1720-1730	As above.
1730-1740	As above.
1740-1750	As above.
1750-1760	As above.
1760-1770	Shale, dark grey, micaceous, slightly silty, very slightly calcareous, firm, light brown streak.
1770-1780	As above.
1780-1790	As above.
1790-1800	As above.
1800-1810	As above.

Interval Description Feet 1810-1820 As above. 1820-1830 As above. 1830-1840 As above. 1840-1850 As above. 1850-1860 As above. As above, light brown streak. 1860-1870 1870-1880 As above. 1880-1890 As above. 1890-1900 As above, light to medium brown streak. 1900-1910 Shale, dark grey, micromicaceous, very slightly calcareous, very slightly silty, medium brown streak. 1910-1920 As above. 1920-1930 As above. 1930-1940 As above. 1940-1950 As above. 1950-1960 No sample. 1960-1970 Shale, as above; and siltstone, light grey; quartz and mica, argillaceous, slightly calcareous, well cemented. 1970-1980 Shale, as last described. 1980-1990 Shale, as above, but very silty. 1990-2000 As above. 2000-2010 As above. 2010-2020 As above. 2020-2030 Shale, dark grey, micromicaceous, very slightly calcareous, firm, sub-waxy texture, medium brown streak. 2030-2040 Shale, as above but silty.

Interval Feet	Description
2040-2050	As above.
2050-2060	As above.
2060-2070	As above.
2070-2080	As above.
2080-2090	As above.
2090-2100	As above.
2100-2110	Shale, dark grey, micromicaceous, very slightly calcareous, very slightly silty, medium brown streak.
2110-2120	Shale, as above, but silty.
2120-2130	As above.
2130-2140	As above.
2140-2150	Shale, dark to very dark grey, micromicaceous, very slightly calcareous, very slightly silty, dark brown streak.
2150-2160	As above.
2160-2170	As above.
2170-2180	As above.
2180-2190	As above.
2190-2200	As above.
2200-2210	As above.
2210-2220	As above.
2220-2230	Shale, very dark grey to blackish, slightly silty, slightly micro-micaceous, slightly calcareous, firm, dark brown streak, rare white calcite lined micro-fractures.
2230-2240	As above, but without micro-fractures.
2240-2250	As above.
2250-2260	As above, but splintery.
2260-2270	As above.
2270-2280	As above.
2280-2290	As above.

Interval Feet	<u>Description</u>
2290-2300	Shale, very dark grey to blackish, micromicaceous, slightly calcareous, very slightly silty, splintery.
2300-2310	As above.
2310-2320	As above.
2320 -2 330	As above.
2330-2340	As above.
2340-2350	As above.
23 50 -2 360	As above.
2360-2370	As above.
2370-2380	As above.
2380-2390	As above.
2390-2400	As above.
2400-2410	As above.
2410-2420	As above.
2420-2430	As above.
2430-2440	As above, trace of brown, finely crystalline, dense dolomite.
2440-2450	As above.
2450-2460	As above, but very slightly to non-calcareous.
2460-2470	As above.
2470-2480	As above.
2480-2490	As above.
2490-2500	As above.
2500-2510	As above, trace of brown, finely crystalline, dense dolomite.
2510-2520	Shale, very dark grey to blackish, micromicaceous, essentially non-calcareous, rare siltstone fragments, rare brown, very fine-grained dolomite.
2520-2530	As above.

Interval Feet	Description
2530-2540	As above, some slickensided surfaces and calcite lined micro-fractures.
2540-2550	As above.
2550-2560	As above, but brittle.
2560-2570	Shale, very dark grey to black, micromicaceous, brittle.
25 70 -2 580	Shale, as above, rare dark brown, very fine-grained dolomite fragments.
2580-2590	Shale, as above, with some slickensided surfaces and white, closed, calcite lined micro-fractures.
2590-2600	Shale, very dark grey to black, micromicaceous, brittle.
2600-2610	As above.
2610-2620	As above.
2620-2630	As above.
2630-2 640	As above.
2640-2650	As above.
2650-2 660	As above.
2660-2 670	As above.
2 67 0-2 68 0	Shale, as above, slickensided surfaces, white, calcite lined micro-fractures.
2680-2690	Shale, very dark grey to black, micromicaceous, brittle, rare dark brown dolomite fragments.
2690-2700	As above, lacks slickensided surfaces.
2700-2710	As above.
2710-2720	Shale, as above, dark brown streak, lacks dolomite.
2720-2730	As above.
2730-2740	Shale, as above, but possibly also silty.
2740-2750	Shale, very dark grey to black, micromicaceous, brittle, rare calcite lined micro-fractures.
2750-2760	Shale, as above.

Interval Feet	Description
2 76 0-2 770	As above.
2770-2780	As above.
2 780 -2 790	As above.
2790-2800	Shale, as above, trace of brown, very fine-grained dolomite.
2800-2810	As above, trace of brown, very fine-grained dolomite.
2810-2820	Shale, very dark grey to black, micromicaceous, brittle, splintery, trace of calcite lined micro-fractures.
2820-2830	As above, trace of siltstone.
2830-2840	Shale, very dark grey to black, micromicaceous, splintery; trace of brown dolomite.
2840-2850	Shale, as above (lacks dolomite).
2850-2860	As above.
2860-2870	As above.
2870-2880	As above.
2880-2890	As above.
2890-2900	Shale, as above, probably silty, slickensided surfaces.
2900-2910	As above.
2910-2920	As above, probably silty.
2920-2930	As above, probably silty.
2930-2940	As above.
2940-2950	As above, rare slickensided surfaces.
2950-2960	As above.
2 960 -2 97 0	As above.
2 970 -2 980	As above.
2980-2990	As above, rare micro-fractures.
2990-3000	As above.
3000-3010	As above.
3010-3020	As above, trace of siltatone.

Interval Feet	Description
3020-3030	As above, poor sample.
3030-3040	Shale, as above (very dark grey to black, micromicaceous, splintery).
3040-3050	Shale, as above.
3050-3060	Shale, as above, common slickensided surfaces.
3060-3070	As above.
3070-3080	Shale, very dark grey to black, micromicaceous, brittle, medium brown streak.
3080-3090	Shale, as above, trace of slickensided surfaces.
3090-3100	As above, trace of slickensided surfaces.
3100-3110	As above, trace of slickensided surfaces.
3110-3120	As above, rare white calcite lined micro-fractures.
3120-3130	As above.
3130-3140	As above.
3140-3150	As above.
3150-3160	As above, very abundant slickensided surfaces.
3160-3170	As above.
3170-3180	As above.
3180-3190	Shale, very dark grey to black, micromicaceous, dark brown streak.
3190-3200	As above.
3200-3210	As above.
3210-3220	As above.
3220-3230	As above.
3230-3240	As above.
3240-3250	As above.
3250-3260	As above, trace of siltstone and silty shale.
3260-3270	As above.
3270-3280	As above.

Interval Feet	Description
3280-3290	As above.
3290-3300	As above.
3300-3310	As above.
3310-3320	As above, common slickensided surfaces.
3320-3330	As above, common slickensided surfaces.
3330-3340	As above, common slickensided surfaces.
3340-3350	Shale, very dark grey to black, micromicaceous, brittle, very slightly calcareous, common slickensided surfaces.
	Major Fault Zone - 3,350
3350-3360	As above, very abundant slickensides, mylonitic.
3360-3370	As above, minor calcite micro-veining, very abundant slickensides.
3370-3380	Poor sample. As above, very mylonitic; minor light brown, very finely crystalline, pyritic dolomite.
3380-3390	Shale, mylonitic, as above, with minor to common, medium to dark brown, very finely crystalline, pyritic, dense dolomite, rare calcite lined micro-fractures.
	Beekmantown Group - 3,390 (-3,289)
	Fault Contact
3390-3400	Dolomite, light to dark brown, very finely crystalline, very slightly pyritic, in part slightly calcareous, and mylonitic shale.
3400-3410	Dolomite, very dark brown to black, very finely crystalline, dense, probably argillaceous; and mylonitic black shale.
3410-3420	Dolomite, light and very dark brown varieties, minor light brown, finely crystalline, dense limestone. Poor sample.
3420-3430	Dolomite, light grey and light brown, finely crystalline, dense.
3430-3435	Dolomite, light and dark brown, very finely to finely crystalline, dense.
3435-3440	Very abundant cavings, probably as above.
3440-3445	Dolomite, very light grey to light brownish grey, very finely crystalline, very rare pyrite, in part calcareous dolomite.

Interval Feet	Description
3445+3450	Dolomite, light greenish grey to light grey, very finely crystal- line, rarely pyritic, and dolomite, light brown, very finely crystalline, dense.
3450-3455	Dolomite, as above; and limestone, very light grey and very light brownish grey, finely crystalline, dense.
3455-3460	Limestone, light brownish grey, finely crystalline, dense; trace of glauconite?; and dolomite, light greenish grey, microcrystalline
3460-3465	Dolomite, light bluish grey, microcrystalline, dense; and dolomite, calcareous, light grey to light brownish grey, finely crystalline, possibly glauconitic, dense.
3465-3470	Limestone, light brownish grey, finely crystalline, dense.
3470-3475	Limestone, light brown, finely crystalline, dense, dolomitic in part.
3475-3480	Limestone, as above, trace of poor intercrystalline porosity, rare intercrystalline dark bituminous lining.
3480-3485	Dolomite, calcareous, light brownish grey, finely crystalline, trace of poor intercrystalline porosity, rare intercrystalline bituminous matter.
3485-3490	Dolomite, as above, grading to dolomitic limestone.
3490-3495	Dolomite, as above.
3495-3500	Limestone, light brown, very fine to finely crystalline.
3500-3505	Dolomite, light brownish grey, very finely crystalline to finely crystalline.
3505-3510	As above.
3510-3515	Dolomite, light brownish grey, very fine to finely crystalline; trace of very poor intercrystaline porosity, in part calcareous.
3515-3520	As above.
3520-3525	As above.
3525-3530	Dolomite, as above; and limestone, light brownish grey, finely crystalline, trace of poor intercrystalline porosity and intercrystalline bituminous matter.
3530-3535	As above.

Interval Feet	<u>Description</u>
3535-3540	Dolomite, light grey, finely crystalline, dense.
3540-3545	Dolomite, as above. (Poor sample)
3545-3550	Dolomite, medium grey, very finely sucrosic to finely crystalline, slightly calcareous in part.
3550-3555	Dolomite, as above.
3555-3560	Dolomite, medium to dark grey, very finely sucrosic to very finely crystalline or finely sucrosic.
3560-3565	Delomite, as above.
3565-3570	Dolomite, as above, in part calcareous, or dolomitic limestone.
3570-3575	Limestone, light to medium grey, finely crystalline, dolomitic in part to dolomitic limestone, trace of intercrystalline pyrite.
3575-3580	As above, no pyrite.
3580-3585	As above.
3585-3590	As above.
3590-3595	As above.
3595-3600	As above.
3600-3605	As above.
3605-3610	As above.
3610-3615	As above, somewhat more dolomitic.
3615-3620	As above.
3620-3625	Dolomite, light to medium grey, very finely crystalline, calcareous in part.
3625-3630	Limestone and dolomite, as above.
3630-3635	As above.
3635-3640	As above.
3640-3645	As above.

Interval Feet	Description
3645-3650	Dolomite, light to medium grey, finely crystalline and limestone, light grey, finely crystalline, dolomitic, minor poorly sorted, very fine to fine-grained, clear quarts grains; trace of calcareous white quarts, scattered fragments.
3650-3655	As above, but lacks quartz fragments.
3655-3660	Limestone, light grey to white, very finely crystalline, slightly dolomitic, rare to common scattered, very fine to fine-grained, poorly sorted, subangular to subrounded, clear quartz grains; trace of pyrite, very rare glauconite.
3660-3665	As above.
3665-3670	As above.
3670-3675	As above.
3675-3680	As above, very abundant cavings.
3680-3685	As last above.
3685-3690	As above.
3690-3695	As above.
3695-3700	As above.
3700-3705	7Sandstone, dark brownish grey, very fine-grained, calcareous, dolomitic, well sorted, poorly cemented but well compacted; trace of slight poor intergranular porosity with minor limestone, as above.
3705-3710	Sandstone, as above.
3710-3715	Sandstone, dark brownish grey, very fine-grained, calcareous, well sorted, probably argillaceous; and limestone, white, sandy, to very fine-grained.
3715-3720	Limestone, white, very sandy, finely crystalline, with very fine to fine-grained, well and poorly sorted clear quartz, minor calcareous sandstone, very fine-grained.
3720-3725	Sandstone, dark brown, poorly sorted, very fine to fine-grained, quartzose, probably argillaceous, calcareous to very calcareous.
3725-3 730	Sandstone, as above and sandstone, white, very fine to fine-grained, poorly sorted, rounded quarts, well cemented by calcite, trace of bituminous(?) coating on grains.

Interval Feet	Description
3730-3735	Sandstone, light grey, very fine to fine-grained, well and poorly sorted, rounded quartz, well compacted, slightly to very calcareous, trace intergranular gilsonite? also dark brown argillaceous; calcareous sandstone, as last described.
3735-3740	As above.
3740-3745	As above.
3745-3750	As above.
3750-3755	Limestone, sandy; or sandstone, calcareous, white and brownish, very fine to finely granular, well and poorly sorted quartz, rare black grains, gilsonitic?, rare grey, fine-grained, silty dolomite.
3755-3760	Limestone, as above, with brownish, slightly argillaceous, calcareous sandstone, with dark greenish grains; rare, finely crystalline, light grey sandy dolomite.
3760-3765	Limestone, as above.
3765-3770	Limestone, sandy, white, fine-grained, with very fine to finely grained quarts; and sandstone, calcareous, very fine- to fine-grained quartz, well cemented by calcite; and sandstone, brownish grey, probably argillaceous, calcareous and dolomitic, very fine-to fine-grained quarts.
377 0-3775	Limestone, sandy, pale brown, very fine- to fine-grained, with fine-grained quartz, and sandstone, calcareous, pale brown, very fine-to fine-grained quartz, well cemented by calcite, minor sandy grey dolomite, rare, intergranular, poorly developed light brown bituminous(?) material.
3775-3780	As above.
3780-3785	As above.
3785-3790	As above.
3790-3795	As above.
3795-3800	As above.
3800-3805	As above.
3805-3810	Sandstone, white, very calcareous, very fine- to fine-grained, fairly well sorted, subangular to subrounded, clear and frosted quartz, well compacted, well cemented by fine-grained limestone, minor rare intergranular bituminous material.

Interval Feet	<u>Description</u>
3810-3815	As above.
3815-3820	As above, but white and light grey in colour.
3820-3825	As above.
3825-3830	As above.
3830-3835	As above.
3835-3840	As above.
3840-3845	As above.
3845-3850	As above.
3850-3855	Sandstone, white, white and light grey, very fine to fine-grained, fairly well sorted quartz, rare dark grains, well compacted, slightly calcareous, scattered rounded frosted quartz (fine-grained) grains.
3855-3860	Sandstone, as above, and limestone, as above.
3860-3865	Limestone, light bluish pale grey, finely crystalline, very sandy, and sandstone, as above.
3865-3870	Limestone and sandstone, as above.
3870-3875	As above.
3875-3880	As above.
3880-3885	As above, minor dark brownish, very fine to fine-grained, rounded quartz sandstone, calcareous cement.
3885-3890	As above.
3890-3895	As above.
3895-3900	As above.
3900-3905	Limestone, light grey or white, very fine-grained, very sandy with very fine to fine-grained quartz; sandstone, brownish grey, very fine to fine-grained quartz, calcareous to non-calcareous and dolomite, pale bluish grey, very fine-grained, sandy, dense.
3905-3910	As above.
3910-3915	Limestone, light greyish, finely crystalline, very sandy, trace of glauconite, trace of rounded, frosted, fine-to medium grained quarts grains, in part dolomitic.

Interval Feet	Description
3915-3920	As above.
3920-3925	As above.
3925-3930	As above.
3930-3935	As above.
3935 -39 40	As above.
3940-3945	As above, but with sandstone, white to brown, fine-grained, well rounded, poorly sorted, well compacted, clear and frosted quartz, very calcareous, and with fairly well developed intergranular brown bituminous(?) staining, probably very poor intergranular porosity.
3945-3950	As above.
	Potsdam - 3,950° (-3,849°)
3950-3955	Sandstone, white, very fine- to fine-grained, subangular to sub- rounded, clear and frosted, poorly sorted quartz, well compacted, well cemented, slight to very slightly and non-calcareous.
3955-3960	As above.
3 960 -39 6 5	As above, with limestone, light grey, fine-grained, sandy and glauconitic.
3965-3970	Sandstone, as above.
3970-3975	Sandstone, as above, minor dark brown, intergranular bituminous(?) staining.
	Cored interval, 3,975'-4,022° See Core Description, Core No. 1
3975-3980	Sandstone, white, very fine to fine-grained, fairly well sorted, sub- angular to subrounded, mostly clear quartz, well compacted, very slightly calcareous, clean.
3980-3985	As above, trace of intergranular gilsonitic material.
3985-3990	As above, trace of intergranular gilsonitic material, trace of poor intergranular porosity.
3990-3995	As above, trace of intergranular gilsonitic material, trace white intergranular material (kaolinitic).
3995-4000	As above, trace of intergranular gilsonitic material.
4000-4005	As above, trace of intergranular gilsonitic material.
4005-4010	As above.

Interval Feet	Description
4010-4015	As above.
4015-4020	As above.
4020-4025	Sandstone, white, very fine- to fine-grained, subangular to sub- rounded, mostly clear, fairly well sorted quartz, well compacted, well cemented by minor buff intergranular kaolinitic material, clean.
4025-4030	As above, rare poor intergranular porosity, trace intergranular gilsonite.
4030-4035	As above.
4035-4040	As above.
4040-4045	As above.
4045-4050	As above.
4050-4055	As above.
4055-4060	As above, somewhat more poorly sorted.
4060-4065	As above.
4065-4070	As above.
4070-4075	As above, common intergranular gilsonite.
4075-4080	As above.
4080-4085	As above.
4085-4090	As above, very rare intergranular gilsonite.
4090-4095 **	As above, trace of intergranular porosity, rare intergranular gilsonite, some brownish sandstone.
4095-4100	As above, trace of intergranular porosity, rare intergranular gilsonite, some brownish sandstone.
4100-4105	As above.
4105-4110	No sample.
	Cored interval, 4,110'-4,117' See Core Description, Core No. 2

Interval Feet	<u>Description</u>
4110-4115	Sandstone, white, very fine-grained, fairly well sorted, subangular to subrounded, clear and frosted quartz, well compacted, difficult friable.
4115-4120	Sandstone, white, as above.
4120-4125	Sandstone, as above, trace very poor intergranular porosity.
4125-4130	As above.
4130-4135	As above, no porosity.
4135-4140	As above, no porosity.
4140-4145	As above, no porosity.
4145-4150	As above, no porosity.
4150-4155	As above, no porosity.
4155-4160	As above, no porosity.
4160-4164	As above, no porosity.
4164	Total depth.

CORE DESCRIPTION

Well Name: Laduboro CIG Nicolet No. 1

Logged By: G. V. Lloyd, P. Geol.

J. C. Sproule and Associates Ltd.

Logged At: Calgary, Alberta

Interval Feet

Description

Core No. 1 - 3,975'-4,022°. Recovered 43'2". Diamond Core.

Potsdam Formation

Sandstone, white, very fine- to fine-grained, fairly well sorted, subangular to subrounded, mostly clear quarts, very well compacted, scattered intergranular pyrite, clean but very difficult friable, in part slightly calcareous, densely faulted and fractured with (a) abundant, closed, thin (1/16"), irregularly spaced (1/8"-1/2"), vertical, gilsonite lined, random vertical fractures; and (b) fairly common, irregular, mostly closed but rarely open thin (1/16"), more or less horizontal, gilsonite lined fractures, and fairly common horizontal, gilsonite lined, thin laminae 1/4" to 1/2" apart. Gradational contact to:

3984-3989 Sandstone, light brownish grey and light grey, very fine- to fine-grained, poorly sorted, subangular to subrounded, clear and frosted quarts, very well compacted, very slightly calcareous, difficult friable, slightly dirty with intergranular argillaceous material, common poorly developed intergranular gilsonite material, well developed irregular thin, random but gently inclined (less than 10°) laminae of light grey and brownish grey bands. Gradational contact to:

3989-3992 Sandstone, white, very fine-grained, fairly well sorted, subangular, clear quartz, scattered pyrite, well compacted, clean, difficult friable, scattered intra-formational breccia fragments to 1" maximum diameter (light grey or white or slightly darker grey sandstone matrix). Gradational contact to:

3992-4018 Sandstone, white, very fine- to fine-grained, poorly sorted, subangular to subrounded, clear and frosted quarts, very well compacted,
very difficult friable, clean, rare intergranular gilsonitic
material, fairly common irregularly spaced but essentially horisontal
(thin closed) dark partings, very rare steeply inclined closed
fractures, apparent bedding approximately horisontal.

4018-4022 Lost core.

Interval Feet

Description

Core No. 2 - 4,110'-4,117'. Recovered 4'9". Diamond Core

Potsdam Formation

4110-4114'9" Sandstone, light grey, very fine- to fine-grained, fairly well sorted, subangular to subrounded, clear and frosted quartz, very well compacted, well cemented with intergranular secondary silica, difficult friable, very clean, very rare pyrite, very poor intergranular porosity along scattered horizontal, thin (1/36") closed fractures, thinly laminated and gently crossbedded in places, but essentially horizontal, rare dark intergranular material along rare horizontal fractures.

4114'9"-4117' Lost core.

COMPLETION REPORT

Well Name: Laduboro	CIG	Nicolet	No.	1
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Aug. 21 Testing well on small orifice.

<u>Date</u> 1963	Remarks
Aug. 13	Ran $4\frac{1}{2}$ " casing. Landed and cemented casing at 4,164° K.B., using 400 sacks of cement.
Aug. 14	Landed casing with full weight on slips.
Aug. 15	Removed BOP's. Installed wellhead. Ran Welex Neutron-Collar Locator correlation log. Installed BOP $^{\scriptsize 0}$ s.
Aug. 16	Perforated with Welex three radial super frac jet shots at $4,109^{\circ}$. Ran and landed 2 $3/8^{\circ}$ EUE tubing at $4,128^{\circ}$. Displaced drilling mud with fresh water.
Aug. 17	Swabbed fluid level down to 3,500 $^{\circ}$. Well swabbed dry.
Aug. 18	Acidized perforations at 4,109° with six barrels of Howco 15% MCA acid. Washed 1/4 bbl. past perforations with higher squeeze pressures each 1/4 bbl. to a maximum of 3,900 psig. Formation would not take acid. Left acid sit overnight on perforations.
Aug. 19	Raised tubing to 4,057. Perforated from 4,109° to 4,112° with 1 11/16" link jets, 4 shots per foot. Shot with acid in hole and 1,000 psig wellhead pressure. Lowered tubing to 4,128°. Installed wellhead and circulated out old acid.
Aug. 20	Acidized perforations from 4,109° to 4,112° with six bbls. of Howco 15% MCA acid by washing. Pressured up to 1,000 psig and formation started taking acid after seven minutes. Washed by one barrel and squeezed one-half barrel to the formation at 550 psig at the rate of 1/4 bbl. per minute. Circulated out excess acid. Standing pressure after acidizing 350 psig. Opened well and unloaded water from casing and tubing.

SUMMARY AND CONCLUSIONS

Laduboro CIG Nicolet No. 1 was drilled as a wildcat venture by Laduboro Oil Limited, Quebec City, P.Q., and Canadian Industrial Gas Limited, Calgary, Alberta, for the purpose of testing all zones of interest for oil and gas down to the top of the Precambrian. The main zones of interest were the Trenton, Chazy, Beekmantown and Potsdam formations. The well flowed at a rate of 924 Mcf. per day on a drill stem test in the Potsdam Formation over the interval, 4,020 to 4,117 feet. Recovery consisted of 390 feet of highly saline salt water. During the drill stem test, the well flowed gas with a fine spray of salt water that appeared to clear up during the test. The static reservoir pressure was recorded at 2,240 psig, which is considered to be abnormally high for this depth. Analyses of the gas indicates a sweet gas with a natural gas liquids content (C3+) of 0.388 Imperial gallons per thousand cubic feet of raw gas. The BTU content was measured at 1,057.

A 13 3/4-inch surface hole was drilled and 9 5/8-inch casing cemented at 235 feet. An 8 3/4-inch hole was then drilled to the total depth of 4,164 feet. A production string of 4 1/2-inch casing was run to total depth, which was in the Potsdam Formation, in order to evaluate the Petsdam section penetrated and to evaluate possible reservoir zones in the Chasy-Beekmantown strata over the interval, 3408 to 3,448 feet. The electric and other logs, as well as sample descriptions, indicate that there is some porosity in the strata over the above interval.

The well was spudded June 27, 1963, and the rig released on August 19, 1963. A total of 44 days were required to reach the total depth. Thirteen days were lost due to stuck pipe and waiting for weighting material required to mix a 12-pound per gallon mud. This weight of mud was required to hold the high pressure gas under control after reaching a depth of 4,109 feet.

Salt water was used for drilling the upper shale sections and proved to be satisfactory. After reaching a depth of approximately 3,400 feet, it became necessary to add a salt gel to the drilling fluid in order to keep the hole clean of cuttings. Large earthen pits were used in order to allow the solids to settle out of the mud and the solids were jetted out of the pits twice daily. A shale shaker was used shortly after the hole reached 4,109 feet and the stuck pipe condition problem was encountered. A fair amount of very fine shale cuttings were removed from the mud by the shaker, and it is recommended that a shale shaker be used during the entire drilling operations of any future wells.

The use of salt water as a drilling fluid and large earthen pits for settling solids are recommended. A high water loss mud condition of approximately 50 to 60 cc is tolerable, although some starch and diesel fuel is needed to reduce the water loss to approximately 60 cc after adding a gelling material.

The hole had a deviation of 1 1/2° at 2,000 feet; however, this deviation increased to 13° in the next 450 feet, due probably to faulted strata. This rapid change in deviation has been experienced by other operators in the Lowlands and it is recommended in future that deviation surveys be run at least every 200 feet on the upper soft formations. The deviation instrument on the

rig would not record deviations greater than seven degrees and, while waiting for an instrument which would record deviations above seven degrees, drilling was continued, using very little weight. This change in the drilling weight allowed the angle of deviation to decrease, which, in turn, resulted in the formation of a dogleg in the hole. As penetration continued, the hole became tighter until it was necessary to ream the upper portion of the dogleg at 2,000 feet. This reaming removed some of the tightness but it remained a problem to total depth.

At 4,109 feet, the mud became highly gas-cut and the BOP's closed to allow the gas to flow to the surface and out the blowdown line. While waiting on the weighting material, the well was allowed to produce gas and the well bore eventually became dry. After mixing sufficient 12-pound to the gallon mud to kill the well, an attempt was made to trip out of the hole for a drill stem test; however, the string stuck in the hole at 4,090 feet and McCullough Tool Company was engaged to supervise the removal of the stuck pipe. The drill pipe was eventually pulled free and drilling operations continued to total depth.

The drill pipe could possibly have been stuck because of one or a combination of the following reasons:

- 1. Crooked hole conditions due to faulted and fractured beds which created a dogleg.
- 2. Wearing a key seat in the dogleg when working the pipe, while awaiting the weighting material.
- 3. Differential sticking of the drill collers.
- 4. A gradual and steady increase of solids in the hole.
- 5. A dry hole condition during the blowing of the well. The shales may have heaved after being wetted when new mud was pumped into the dry well bore to kill the well.

A 47-foot core was taken over the interval from 3,975 to 4,022 feet (Core No. 1), and a 7-foot core was taken over the interval from 4,110 to 4,117 feet (Core No. 2). Both cores were from the Potsdam Formation and both were conventionally analysed for porosity and permeability.

Four drill stem tests were run in the Potsdam Formation. DST No. 1, from 3,945 to 4,022 feet, had two misruns, possibly due to poor packer seats because of the crooked hole conditions or because of mud leaking around the packers through fractures. The third test, DST No. 1B in the same zone gave up 11 Mcf. per day with very low flowing pressures. DST No. 2, from 4,020 to 4,117 feet, gave up 924 Mcf. per day with much higher bottom-hole pressure conditions. DST No. 3, from 4,008 to 4,094 feet, could be interpreted as a misrun because of the high initial shut-in pressure of 1,767 psig compared to 497 psig on the final shut-in pressure. It is possible that the perforations became plugged but since an outside recorder was not run, it is impossible to conclude whether or not this plugging condition existed. DST No. 3, from 4,120 to 4,164 feet, could also be interpreted as a misrun caused by plugged perforations.

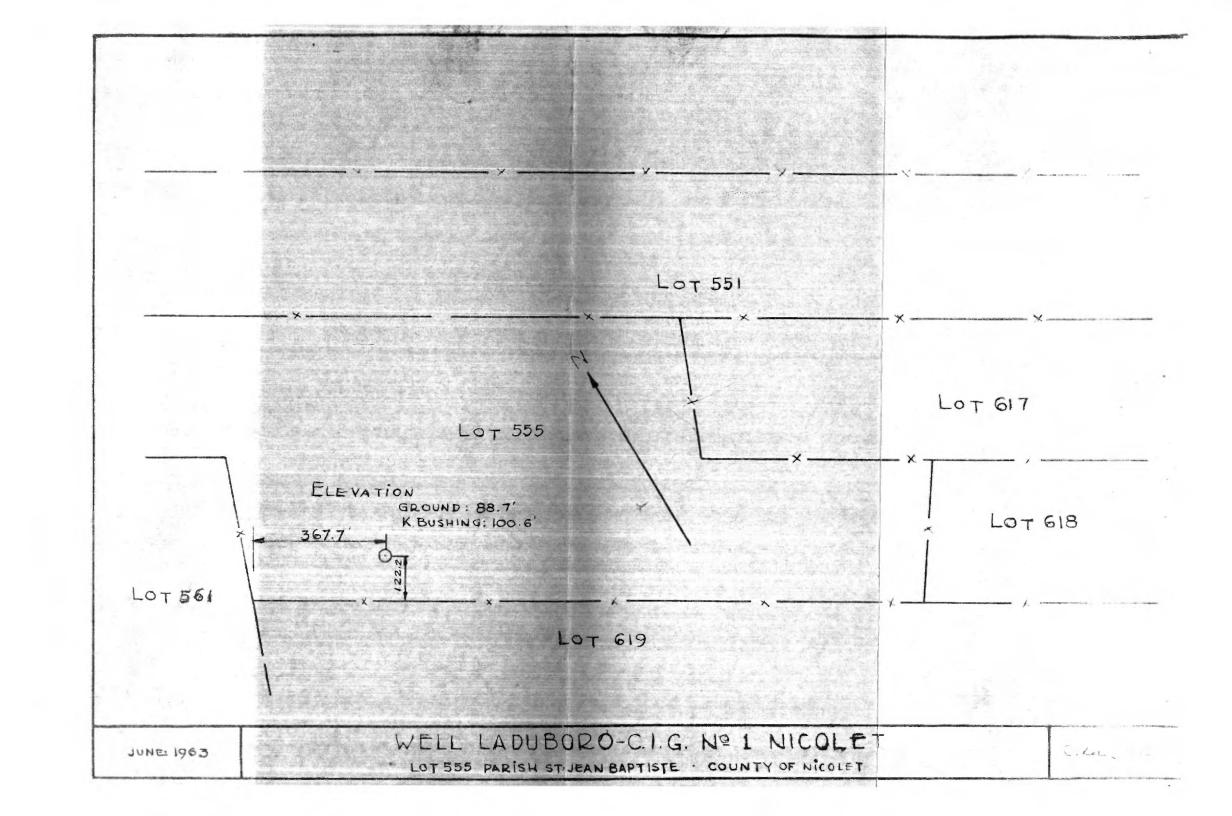
A Guard log, a Gamma Gamma Density log, a Caliper and a Gamma Ray-Neutron log were run by Welex.

The completion of the well was accomplished without difficulties. A string of 2 3/8-inch EUE tubing was run and landed at 4,128 feet. The well was then perforated in the Potsdam Formation from 4,109 to 4,112 feet and washed with six barrels of 15 percent MCA acid with one-half barrel squeezed to the formation. The well was then placed on production test, flowing high pressure gas at rates up to 1.6 MMcf. per day with some salt water.

G. V. Lloyd, P. Geol.

T. W. Link, P. Eng.

1009 Fourth Avenue S. W., Calgary, Alberta. October 7, 1963. TWL/GVL/fc



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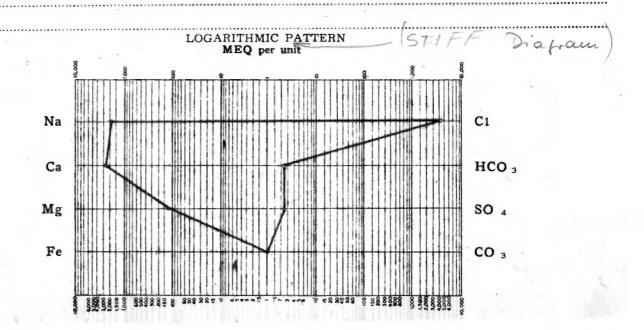
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WATER ANALYSIS REPORT

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		MILL	IGRAM E	QUIVA	LENTS I	N PERC	ENT		1
19.89	28.79	1.32		0.03	49.94		0.03		
	l Solids in		r Million			Properties ary salinit		tion in Po 39.78	ercent
-	ion	969 1	30		Secon	ndary salin	ity	60 16	
		ACA A	30			ary alkali			
pecific G	avity	1.1	91			ndary alka	•	A 04	
bserved r	Н	5.6				ride salinit		40 04	
esistivity	0.059	ohm n	eters @ 6	8° F.		te salinity		0.06	

Remarks and conclusions This sample correlates closely with Petsdam formation water from the same general area.



10568 - 114th Street 428 - 35 Ave. N.E. Edmonton, Alberta Calgary, Alberta Phones: GA 2-5624 - GA 4-2562 Phones: CR 7-6149 - CR 7-0305

GAS ANALYSIS REPORT

OPERATOR J.C. Sproule & Associate	DEPTHS		LAB. NO.	22111
DATE SAMPLED NOT KNOWN	REPORTED August 1	3, 1963		
EMARKS				
ORSAT ANALYSIS % by Volume		CHRON	NATOGRAPH	
		% by Volume	G.P. <i>N</i> U.S. Gal.	l. in Imp. Gal.
Dxygen	Oxygen	^	@ 60° F. &	@ 60° F. 8
,	, -	1.05	14.070 [3]	14.65 75
Nitrogen	Nitrogen	0		
	Carbon dioxide	n		
Carbon dioxide	Hydrogen sulfide	93.23		
	Methane	4.15		
tydrogen sulfide	Ethane		0.061	
	Propane		0.264	0.21
otal hydrocarbons	Isobutane		0.065	0.05
	N-butane		0.082	0.06
	Isopentane		0.033	0.02
	N-pentane		0.011	0.00
	Hexanes	0,03	0.014	0.01
Average "n"		———		
The state of the s		100.00	0.469	0.388
HYDROGEN SULFIDE	TOTAL	100.00	0.409	
(by Tutwiler Method)		6.P.M.	•	
Grains of hydrogen sulfide per . 100 cu. ft. of gas at 60° F. and	•).F.M.	0.050	0.04
-	Actual pentanes †		0.058	0.04
4.7 lbs. per sq. in.	Calculated at 15 lbs.		0.066	0.01
14.65 lbs. per sq. in.	Calculated at 22 lbs. Calculated at 26 lbs.		0.066	0.0
Percentage of Hydrogen sulfide ————————————————————————————————————	Calcolated at 20 lbs			
GROSS B.T.U.	Vapor pressure (calculated) of actual pentanes +		15.59	15.
1061.		A #AA		
1057.	Specific Gravity Calculated	0.598		
60 F. and 14.65 p.s.i.a	Specific Gravity by Weight le was received at a pressure			_

CORE LABORATORIES -CANADA LTD. CALGARY ALBERTA

Company Well Field Location	- LADUBORO CIG - WILDCAT, QUEB - COUNTY NICOLE RANGE ROUTE D	EC T, LOT 555,	Format Analys D. Flu	is - CONVENT	TIONAL	Page - 1 of 4 File - CNP-4-1973 Analysts - JA RY Remarks - DIAMOND
SAMPLE	DE PTH RE PRESENTED	FOOTAGE	PERMEABILITY	POROS I TY	POROS I TY	VISUAL
NUMBER	FEET	REPRESENTED	MILLIDARCYS	PER CENT	FEET	EXAMINATION
	TERVAL 3975' - I 3975' - 4022	4022' ' (Rec. 43.2')	(9 boxes)			
- 2 3 4 5 6 7 8 9 - 10 12 14 15 16 17	3975.0-3983.5 3983.5-3984.1 3984.1-3984.5 3984.5-3985.4 3985.4-3986.3 3986.3-3987.5 3987.5-3988.4 3988.4-3989.7 3989.7-3990.9 3990.9-3991.2 3991.2-3991.5 3991.5-3992.2 3992.2-3992.7 3992.7-3993.4 3993.4-3995.3 3994.3-3995.3 3996.3-3997.3 3997.3-3998.2	8.5 0.6 0.4 0.9 0.9 1.2 0.3 1.2 0.3 0.7 0.5 0.7 0.9 1.0 1.0 1.0	0.12 0.24 0.13 0.20 0.07 0.17 0.08 0.24 0.24 0.05 0.06 0.05 0.05 0.05 0.05 0.11 0.25	- 1.9 3.5 4.5 2.9 3.6 3.3 3.5 4.5 6.8 4.7 6.3 5.5	1.14 1.40 4.05 2.61 4.08 3.24 4.29 3.60 1.05 1.35 4.76 2.25 1.82 3.96 4.70 3.60 6.30 3.15	Dense, no sample Fine sand
18 19 20	3998.2-3999.2 3999.2-4000.4 4000.4-4001.5	1.0 1.2 1.1	0.17 0.32 0.13	5.4 3.7 4.6	5.40 4.44 5.06	Fine sand Fine sand Fine sand

CORE LAE	BORATORIES -CANADA ALBI	LTD. ERTA	\ <u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>	STRIAL GAS LIM G NICOLET NO.		Page - 2 of 4 File - CNP-4-1973	
SAMPLE	DEPTH REPRESENTED	FOOTAGE	PERMEABILITY	POROS I TY	POROS I TY	VISUAL	
NUMBER	FEET	REPRESENTED	MILLIDARCYS	PER CENT	FEET	EXAMINATION	
CORE NO	. I con t¹d						
21	4001.5-4002.5	1.0	0.33	4.9	4.90	Fine sand	
22	4002.5-4003.6	1.1	0.33	4.9	5 . 39	Fine sand¹	
23	4003.6-4004.6	1.0	0.39	4.1	4.10	Fine sand	
24	4004.6-4005.7	1.1	0.79	4.0	4.40	Fine sand	
25	4005.7-4006.6	0.9	0.36	5.1	4.59	Fine sand	
2 6	4006.6-4007.2	0.6	1.5	4.5	2.70	Fine sand	
27	4007.2-4007.7	0.5	0.11	7.1	3.55	Fine sand	
28	4007.7-4008.6	0.9	0.67	5 . 9	5.31	Fine sand	
29	4008.6-4009.6	1.0	0.40	5 . 5	5.50	Fine sand	
30	4009.6-4010.6	1.0	0.33	2.8	2.80	Fine sand	
31	4010.6-4011.7	1.1	1.1	4.2	4.62	Fine sand	
32	4011.7-4012.7	1.0	0.09	7.1	7.10	Fine sand	
33	4012.7-4013.7	1.0	0.07	5.1	5.10	Fine sand	
34	4013.7-4014.8	1.1	0.32	4.0	4.40	Fine sand	
35	4014.8-4015.8	1.0	0.66	3.6	3.60	Fine sand	
36	4015.8-4016.8	1.0	0.17	3 . 9	3.90	Fine sand	
37	4016.8-4017.6	0.8	0.34	4.8	3.84	Fine sand	
* 38	4017.6-4018.2	0.6	0.04	5.1	3.06	Fine sand	
	4018.2-4022.0	3.8	-	-	-	Lost core	

^{*} Full diameter samples reported on Page No. 3 to show fracture permeability which is not measured in the Conventional Small Plug analysis

CORE LABORATORIES-CANADA LTD.

CANADIAN INDUSTRIAL GAS LIMITED LADUBORO CIG NICOLET NO. I

Page - 3 of 4 File - CNP-4-1973

SAMPLE	PERMEABILITY TO AIR HORIZONTAL)	POROS I TY	DENS I TY	V I SUA L	
NUMBER	K MAX K 90°) VERTICAL	PER CENT	BULK GRAIN	EXAMINATION	
5	0.07 0.07 <0.01	3.4	2.59 2.68	Fine sand	
7	476. 0.08 <0.01	3.3	2.59 2.68	Fine sand, fracture	
10	l69. 35. <○.01	5.7	2.50 2.65	Fine sand, fracture	
13	702. 35. <0.01	5 . 7	2.49 2.64	Fine sand, fracture	
. 38	17. 0.12 0.03	7.7	2.46 2.66	Fine sand, fracture	

,

CORE	LABORATORIE	ES-CANADA	LTD.
CALGA	\R Y	ALBE	RTA

CANADIAN INDUSTRIAL GAS LIMITED LADUBORO CIG NICOLET NO. I

Page - 4 of 4 File - CNP-4-1973

Core with Permeability less than 1.0 Millidarcys		
Total footage of core with less than I.O millidarcys permeability	34.1' 4.4% 98.3%	(148.41)
Weighted average horizontal permeability of core with less than 1.0 millidarcys	0.28 md.	(9.537)
Core with Permeability 1.0 to 9.9 Millidarcys		
Total footage of core with 1.0 to 9.9 millidarcys permeability	0.61	
Weighted average porosity of core with 1.0 to 9.9 millidarcys permeability		(2.70)
Per cent of analyzed core having 1.0 to 9.9 millidarcys permeability		(0, 00)
weighted average norizontal permeability of core with 1.0 to 9.9 millidarcys	1.5 md.	(0.90)
Core with Permeability 10 Millidarcys and Greater - Nil		
Cored interval	3975' - 40	221
Total footage	47.0'	
Footage analyzed	34.7'	
Footage not analyzed Dense 8.5' Lost core 3.8'	12.3'	(151 11)
Weighted average porosity of core analyzed	4.4%	(101.11)
weighted average not izontal permeability of core analyzed	U.JU MU.	(10.437)

Note: Figures in parentheses indicate porosity feet and permeability feet.

10568 - 114th Street 428 - 35 Ave. N.E.

Edmonton, Alberta Calgary, Alberta Phones: GA 2-5624 - GA 4-2562 Phones: CR 7-6149 - CR 7-0305

GAS ANALYSIS REPORT

		GAS ANALYSIS REPORT			
FIELD		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	C.I.G.	Nicolet #1	
OPERATOR J.C. Sproule & Association Date Sampled Not Known	ciates Di	Ltd. LOCATION 4020' - 4117'			
	by ume		CHRO	MATOGRAPH	
Į.	J		% by Volume O	G.P.M U.S. Gai. @ 60° F. &	Imp. Gal.
Oxygen		Oxygen Nitrogen	1.05	14.696 PSI	14.65 PSI
Nitrogen		Carbon dioxide	0.17		
		Hydrogen sulfide	0		
Carbon dioxide		Methane	92.53		
Hydrogen sulfide		Ethane	4.29		
		Propane	1.06	0.292	0.242
Total hydrocarbons		Isobutane	0.24	0.078	0.065
		N-butane	0.31	0.098	0.081
,,		Isopentane	0.14	0.051	0.042
		N-pentane	0.06	0.022	0.018
		Hexanes -	0.15	0.069	0.057
Average "n"	an engineering				
HYDROGEN SULFIDE		TOTAL	100.00	0.610	0.505
(by Tutwiler Method)		G.	P.M.		
Grains of hydrogen sulfide per 100 cu. ft. of gas at 60° F. and		Actual pentanes +		0.142	0.117
14.7 lbs. per sq. in		Calculated at 12 lbs.		0.143 0.152	0.118
14.65 lbs. per sq. in.		Calculated at 15 lbs. Calculated at 22 lbs.		0.178	0.147
	N±1	Calculated at 26 lbs.		0.197	0.163
GROSS B.T.U.		Vapor pressure (calculated) of actual pentanes +		11.49	11.46
60°F. and 14.7 p.s.i.a1	071	Specific Gravity Calculated	0.607		
	068	Specific Gravity by Weight	0,611		
•	le re	ceived in a low pressure alu		ainer at 4	6 psig
A large quantity of mud	was:	found in the container.			

CORE LABORATORIES - CANADA. LTD

Petroleum Reservoir Engineering CALGARY, ALBERTA

	LADUBORO CI							7 File CND- 4-1973
Field								Date Report
	on 03.75 72.00	e 800	re de la	Elevat	tion	00.6	KE	Analysts
	ti come il come			RE ANA	ALYSIS	RESUL	TS	
IAMPLE	DEPTH	FT	PERMEABILITY	POROSITY	POROSITY	RESID	ATION	VISUAL EXAMINATIONS & REMARKS
UMBER	FEET	REP	MILLIDARCYS	PERCENT	FRET	PORE	TOTAL WATER PORE	
		-	PORET	2 4	110	411	7	REC 4.8 1 BOX
39	4110.0-10.6			1000	20 1 10 10 10 10 10 10 10 10			FS
40	10.6-11.0	0.4	0.35	33	132			y and at the second of the sec
41	11.0-11.5							
42	11.5-11.9	0.4	0.33	2.1	0. 84			A CONTRACTOR OF THE PROPERTY O
43	11.9-12.4			The second second second	THE RESERVE OF THE PARTY OF THE			^
4	12.4 - 12.9							
45	12.9- 13.5							A
46	13.5- 13.8	1			200 000 00000			
47	13.8-14.4			Charles and Control		F SALER		.4-
48	14.4-14.8			3.0	1,20			4
	4/14.8- 170	2.2	1					NOT KEEDINGS
				4 3 3 4 3				
		34.50	A/10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100			2 2 2	
	*	30000		71 10 1		12.00		
				V 14.0				
			1 4 3 3 3			1441		
	The state of the state of				1 E. 60 11-11 12		SCAP TO	
				4.3		8.7		
		0.00				10 - 10 10 10 10 10 10 10 10 10 10 10 10 10		
				10.103	3975			
Thy	AND THE RESERVE OF THE PARTY OF	7 0875	Lary 19 44 17 9 93	Truster until		100	FM N. 1 5 15	

NOTE

(1) OFF LOCATION ANALYSES-NO INTERPRETATION OF RESULTS.

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinious expressed represent the best judgment of Core Laboratories - Canada Ltd. (all errors and omissions excepted); but Core Laboratories - Canada Ltd. and it officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operation, or profitableness of any oil, gas or other mineral well or easid in connection with such report is used or relied upon.

^(*) REFER TO ATTACHED LETTER.

⁽¹⁾ INCOMPLETE CORE RECOVERY-INTERPRETATION RESERVED.

DAILY WELL REPORT

	TIME	DATE Doc. /	1963 K.B.
		ACTIVITY Rigg	jing up.
MUD: WT	VISC. W.L.	F.C	PH
MUD ADDITIV	ES		
SURVEYS			
BIT NO.	SIZE TYPE	OUT ATFC	OOTAGE DRILLED
BIT NO.	SIZETYPE	OUT AT FO	OOTAGE DRILLED
MARKERS			<u> </u>
CHRONOLOGI		y for the first time this fall (2 s arrived today. Intend to the	
rig, recover mu	d from the suction pit, etc. on	ed be in a position to kill the v	well, spot a cement
		Working 12 hour shifts until t and Superior Express truck from	
•		one 9 5/8" guide shoe,	administration ()
		one 9 5/8" float collar or	float insert, whichever
SAMPLE AND	CORE DESCRIPTION:	is the cheaper.	ralizors.
		one coment chaser plug to	fit 9 5/8", 32 lbs. per ft. casing.
Chock on the a	vailability of a telephone cree	•	
Tom Pearl recal	lled from Cuebec to be in Edm	nonton Friday, December 6th, 1	963.
			7
		1	
		Neil V. Sto	жу
	- 1		
			. + 1

TJ Day 4-12-63

DAILY WELL REPORT

	I.G. NICOLET NO. 1 TIME 8:	Received De	
	FOOTAGE MADE		
MUD: WT 9.9 VI	scw.l	F.C.	PH
MUD ADDITIVES \$	alt gel 1240 lbs. Baroid	4500 lbs.	
SURVEYS			
	TYPE	OUT AT	FOOTAGE DRILLED
BIT NOSIZE	TYPE	OUT AT	FOOTAGE DRILLED
MARKERS			
		a sa j	1
WEATHER CONDITI	ONS Clear and cold		
CHRONOLOGICAL D	ESCRIPTION: Bailed of	ut cellar; installing now	5 1/2" liners and heads
en pump. Started up me	otors, then flared well to th	naw out ice on mud pit.	Pumped out water and
acid from top of pit to:	sump and then gunned the	pits to bring up the mud	weight. Increased weight
from 8.1 lbs. per gallon	to 9.7 lbs. per gallon in 4	hrs. Continued to con-	dition the mud from
12 o'clock midnight to 8	1:00 A.M. increased the m	and weight from 9.7 lbs.	per gallon to 9.9 lbs./gallon.
SAMPLE AND CORE	DESCRIPTION: Note:	Well was slugging gas	and salt water prior to
boing shut in. Shut in	ct 6:00 A.M. At 8:00 A		
		cesing pressure -	1300 p.s.1.
Note: Unable to kill t	he well with existing mud	weight.	
		*	
+-			-
-	-		
	Phon	ed by T. W. Woodman	
Copie T-1. Day	~ 1-12-63		+
Capua T-g. Day	1-12-63		

DAILY WELL REPORT

	C.I.G. NICO	TIME O	OO A AA DATE	December 3, 1963 December 4, 1963
				K.B. Rigging up to kill well.
				PH
		lagcobar		
SURVEYS_				
			OUT AT	FOOTAGE DRILLED
				FOOTAGE DRILLED
MARKERS				
WEATHER CO	ONDITIONS		1-1	
	,			1
				naterial on lease and added
from 8:00 A.I Shut down to A carload of	M. to 6:00 P.M. wait on daylig	ight material to the increased mud what 6:30 P.M. Paraterial arrived in	o mud system. Gunn eight from 9.9 lbs./	gallon to 11.0 lbs. per gallon. The two men until 8:00 A.M.
from 8:00 A.I Shut down to A carload of	M. to 6:00 P.M. wait on daylig	ight material to the increased mud what 6:30 P.M. Paraterial arrived in	o mud system. Gunn eight from 9.9 lbs./ ut rig on standby wit	gallon to 11.0 lbs. per gallon. The two men until 8:00 A.M. I Scotia.
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DAILY WELL REPORT

		OLET NO. 1	Report Rec'd. 3:00 A.M. DATE	of Dec. 4-63 Dec. 5-63 K.B.
			ACTIVIT	
				РН
MUD ADDITIVE				
SURVEYS				
BIT NO.	SIZE	TYPE	OUT AT	FOOTAGE DRILLED
BIT NO.	SIZE	TYPE	OUT AT	FOOTAGE DRILLED
MARKERS	g 10			
WEATHER CON	DITIONS_	er er inderen er		
	47			1
CHRONOLOGIC	AL DESCRI	PTION: Rigged	to kill well with rig	pump. Pumped eleven pounds
of mud to the tubi	ng holding 2	00 p.s.i. on casing	g. Circulated for one	hour and removed entrained
gas from the system	n. Well dead	at 11:35 A.M.	Broke out master valv	re and installed B.O.P.
Picked up one join	it of tubing	at 4133' K.B. (9' I	nigh). Rigged to ceme	ent and spotted cement plug'
with rig pump over	interval 413	3-3890 with 20 sac	ks of construction cer	ment, plus 2% gel. Plug
SAMPLE AND (ORE DESC	RIPTION: in pla	ace at 2:30 P.M. Pul	lled and racked XX 130 joints
of 2 inch tubing.	Removed B.C	D. P's, reinstalled i	master valves. Chain	ed and padlocked same.
Drained pump and	line; draine	i tank, Rig rele	ased 10:30 P.M. Dec	cember 4, 1963.
		*	Phoned by T. (G. Woodman.
			=	
	,			
: C: TIDay See Mueller	9-12-63			***

LSD

BEC

RGE

€

CHEMICAL SERVICE REPORT

.	TYPE TREA	TMENT.	MCA_WASH	& SQUEEZE		
JANA KILL	A STATE OF THE PARTY		,	DATE	Sept. 20.	1963
						AQ5657
					STAGE No.	
Halliburton	DISTRICT		SARNIA, ON	TŁ	PAGE	No
(1						

THE FOLLOWING INFORMATION WAS FURN	ISHED BY THE WELL OWNER OR HIS AGENT.
FORMATION POTSDAM DATE CASING SET AUG 14/63 TUBING. OD 2 3/8 WT. 4.6 DEPTH 4128 CASING: OD 4.10 WT. 9.5 DEPTH 4167 LINER: OD FROM TO PACKER: TYPE SET AT MAX. ALLOWABLE PRESS.: TBG. 4000 CSG. 4000 TREAT. THRU: TBG. \(\text{ \text{ ANNULUS } \text{ \text{ CSG.} \text{ \text{ TBG./ANNULUS } \text{ \text{ \text{ \text{ \text{ TBG./ANNULUS } \text{ \text{ \text{ \text{ \text{ TBG./ANNULUS } \text{ \tex	PERF. FROM 4111 IQ "SuperFrathots/Ff. 3 PERF. FROM 4109.5 TO 4112.5 SHOTS/FT. 4 PERF. FROM TO SHOTS/FT. PERF. FROM TO SHOTS/FT. OPEN HOLE: SIZE FROM TO TREAT. INTERVAL: FROM TO CAPACITY: TBG. 16 ANNULUS 44.5 CSG./OPEN HOLE BOTTOM HOLE TEMP. DEGREES
TYPE TREATMENT 1. 12 MCA 250 GAL. TYPE TREATMENT 2. GAL. INHIBITOR: TYPE MCA 1½ GAL./1000 GAL.	TREATMENT SUMMARY HYDRAULIC HORSE POWER AVAILABLE 110 HHP. DN TBG. 110 CSG. MANIFOLDED INJECTION RATES: BPM.
N COMPOUND TYPE GAL./1000 GAL.	TREATING DISP AVERAGE
PENETRANT TYPE GAL./1000 GAL.	PRESSURES: PSI. BREAKDOWN FROM 1000 TO 750
OTHER ADDITIVESGAL. LB./1000 GAL.	MIN. 450 MAX. 1000 DISP. 750
GAL. LB./1000 GAL.	INSTANT SHUTDOWN 750 8 MIN. 450
GAL. LB./1000 GAL.	VOLUMES: FLUID TO FILL HOLE BBL.
SURFACTANT: TYPE GAL.	1ST STAGE: TYPE GAL.
MIXED IN GAL, OF	2ND STAGE: TYPE GALBBL.
DIVERTING AGENTS: TYPE AMOUNT	3RD STAGE: TYPE GAL.
TYPE AMOUNT	4TH STAGE: TYPE GAL.
LABORATORY REACTION TIME 1 MIN.	FLUSH FLUID: TYPE

TIME	PRESS TUBING	CASING		VOLUME IN FORMATION (BBL.)	RATE (BPM.)	REMARKS
10:00						Hole full, start acid down tubing
10:13	350	400	16			Acid on bottom, stop pump
10:18	350	400				Start 1 bbl. wash
10:20	1000	1050	17			Finish 1 bbl. wash, shut down
<u> 10:08</u>	700	750				
10:35	450	500				Bleeding away slowly
10:43	450	500				Bleed off tubing (1 bbl)
10:53						Start ½ bbl. squeeze
10:55	7 50	800	$17\frac{1}{2}$			Finish 2 bbl. squeeze
11:10	450	500				
11:15	600					Start circulating acid out of hole
11:55	€00					Finish circulating hole

SUMMARY OF PLANNED PROGRAM

Circulate	<u>250 gallons</u>	15% MCA t	to bottom.	Nash p	erforations	at 1000	PSI.	Squeeze $\frac{1}{2}$
bbl. into	perforations	. Circul	ate excess	acid o	ut.			
				····				
			No pressur	e chart	available)			

MALI UNURTON	OPERATOR	W. Dennis
HALLIBURTON	OPERATOR	20

HOWCO 7075106





SERVICE REPORT

PROGRAM

ZONE

COMPANY

WELL

LOCATION

TICKET No.

A 125

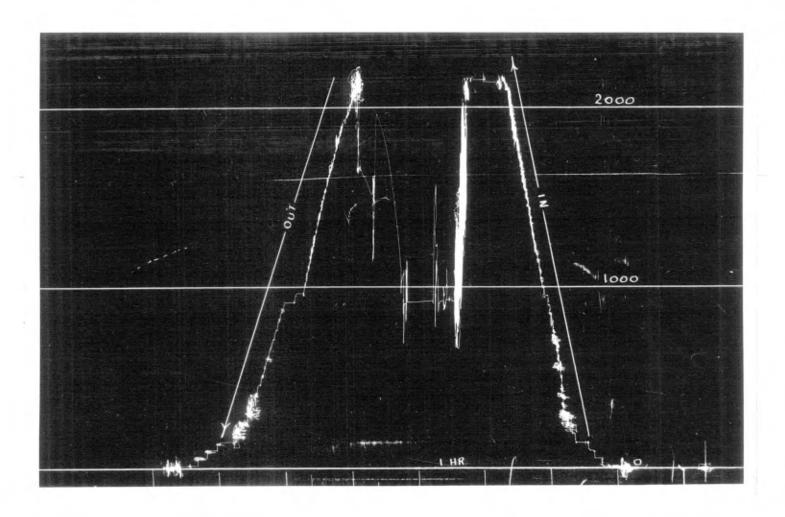
DRILL STEM TEST # 1

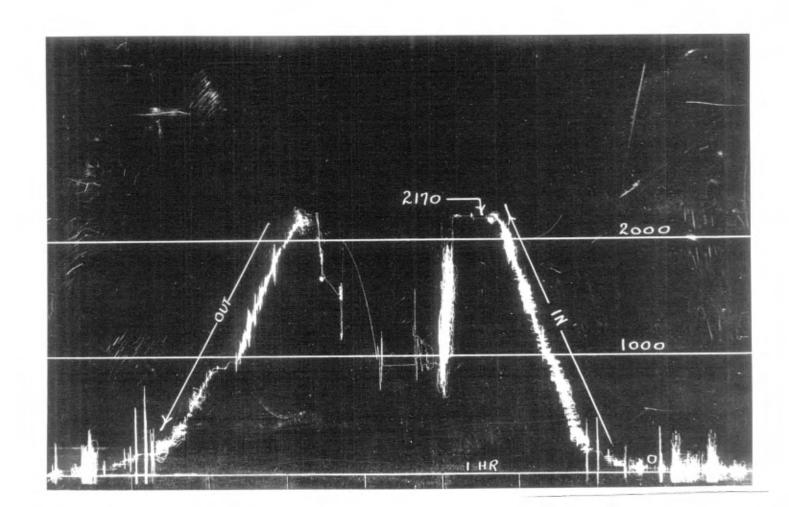
POTSDAM

LADUBURO OILS LIMITED

LADUBORO CIG NICOLET NO. 1

em-1959







DRILL-STEM TEST DATA

Well Name Laduboro CIG Nicolet	Test No. 1
Well Number No. 1	Zone Tested Potadam
Company Laduboro Oils Limited	Date July 22/63
Comp Rep. Ted Link	Tester Mel Moscrip

Recorder No. 1251 Clock Range 12 h	Recorder No. 1232 Clock Range 12 hr Lucy Line Line Line Line Line Line Line Line
Initial Hydro Mud Press. 2128	Initial Hydro Mud Press. 2170
Initial Shut-in Press.	
Initial Flow Press.	Initial Flow Press.
Final Flow Press.	Final Flow Press.
Final Shut-in Press.	Final Shut-in Press.
Final Hydro Mud Press.	Final Hydro Mud Press.
Temperature	Tool Open Before I.S.I. Mins.
Mud Drop	Initial Shut-in Mins.
Mud Weight 9.8 Viscosity 42	Initial Shut-in Mins. Flow Period Mins.
	Final Shut-in Mins.
Net Pay Tested Top Packer Depth 3950	
Bottom Packer Depth	Rat Hole Size
	Feet Of Rat Hole
Drill Pipe Size. 3 1 T.F. Wt.	Type of Test Bob Tail
	Cushion Amount—Type
Recovery—Total Feet 1660 Recovered 1660 Feet Of Gas cut dr	illing mud
Recovered Feet Of	
Recovered Feet Of	
Recovered Feet Of	
Remarks Misrun Packer seat failure	



BJ SERVICE OF CANADA LTD. · · · CALGARY, ALBERTA





SERVICE REPORT

PROGRAM
ZONE
COMPANY
WELL
LOCATION
TICKET No.

A125

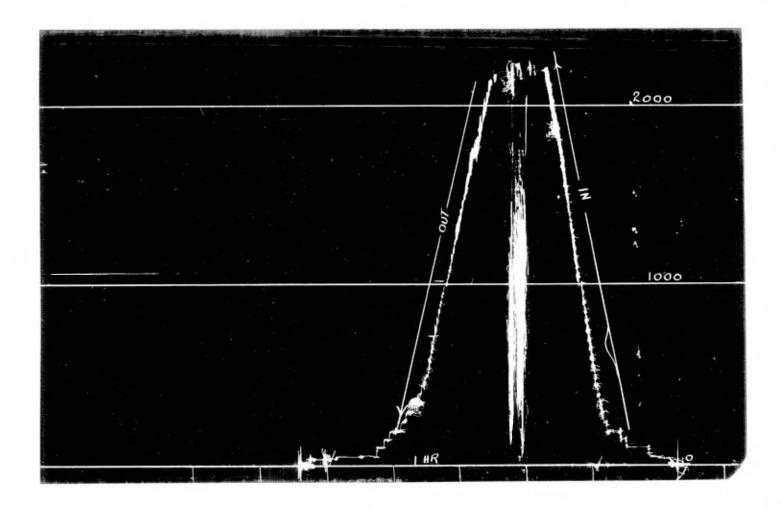
DRILL STEM TEST # 1A

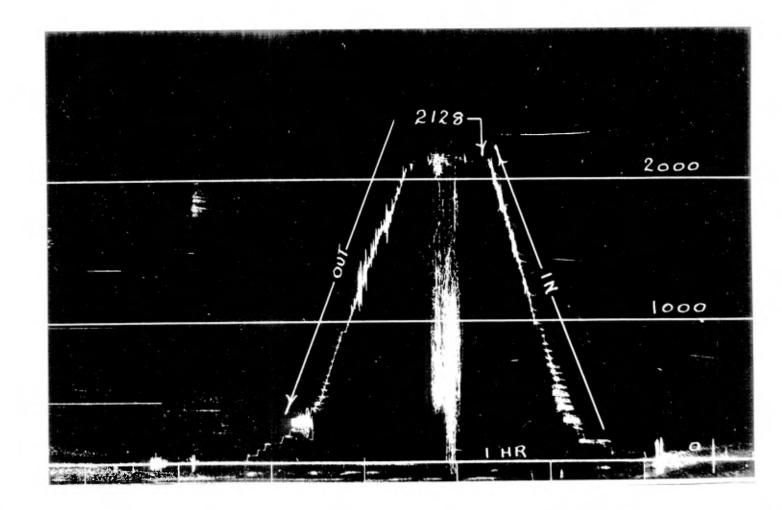
POTSDAM

LADUBORO OILS LIMITED

LADUBORO CIG NICOLET NO. 1

Em 1950







DRILL-STEM TEST DATA

Well Name Laduboro CIG Nicolet	Test No. 1A		
Well Number No 1	Zone Tested Potsdam		
Company Laduboro Oils Limited	Date July 22, 1963		
Comp. Rep. Ted Link	Tester Mel Moscrip		

Recorder No. 1251 Depth	Clock Range 12 3947	· ·	Clock Range 4022	12. hr
Initial Hydro Mud Press.	2000	Initial Hydro Mud Press.	2128	
Initial Shut in Press.		Initial Shut-in Press		
Initial Flow Press.		Initial Flow Press.		
Final Flow Press.		Final Flow Press		
Final Shut-in Press.	· .	Final Shut-in Press.		
Final Hydro Mud Press.		Final Hydro Mud Press.		
Temperature		Tool Open Before 1.5.1.		Mins.
Mud Drop		Initial Shut-in		Mins.
Mud Weight 9.8	Viscosity 42	Flow Period		Mins.
Fluid Loss	·	Final Shut-in		Mins.
Net Pay Tested Top Packer Depth Bottom Packer Depth Total Depth Drill Pipe Size. 31 II	3955 1022 Fwr.	Type of Test Bo	8 3/4	
Drill Collar I.D. 5 3/1	Ft. Run 2'	Cushion Amount—Type Rubber Size	2	
Recovery—Total Feet Recovered 540 Fee	540 Of Slight gr	as cut drilling mud		1
Recovered Fee	t Of			
Recovered Fee	r Of		6	
Recovered Fee	t Of			
Remarks Misrun Packer	seat failure	Э.		





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SERVICE REPORT

PROGRAM
ZONE
COMPANY
WELL
LOCATION
TICKET No.

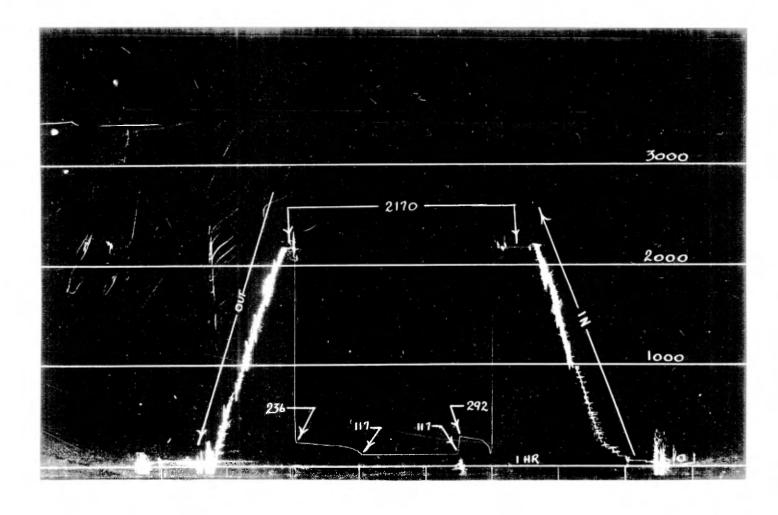
DRILL STEM TEST # 1B =

POTSDAM

LADUBORO OILS LIMITED

LADUBORO CIG NICOLET NO. 1

GM-1959





DRILL-STEM TEST DATA

Well Name Laduboro CIG Nicolet	Test No. 1B		
Well Number No 1	Zone Tested Potsdam		
Company Laduboro Oils Limited	Date July 22, 1963		
Comp. Rep. Ted Link	Tester Mel Moscrip		

Recorder No 1251 Clock Range 12 hi	Recorder No. 1232 Clock Range 12 hr Lepth 4022
Initial Hydro Mud Press.	Initial Hydro Mud Press. 2170
Initial Shut-in Press.	Initial Shut-in Press. 292
Initial Flow Press.	Initial Flow Press.
Final Flow Press	Final Flow Press.
Final Shut-in Press.	Final Shut-in Press. 236
Final Hydro Mud Press.	Final Hydro Mud Press. 2170
Temperature	Tool Open Before 1.5.1. 2 Mins.
Mud Drop	miliai Shor-in
Mud Weight 9.8 Viscosity 42	riow reriod
Fluid Loss	Final Shut-in
Interval Tested 3945 - 4022	Surface Choke Size
Net Pay Tested	Bottom Choke Size
Top Packer Depth 3940	Main Hole Size 8 3/14**
Bottom Packer Depth 3945	Rat Hole Size
Total Depth 14022	Feet Of Rat Hole
Drill Pipe Size 32 I.F. Wt. 13.3	Type of Test Dual Bob Tail
Drill Collar I.D. 6 3/4 Fr. Run 120	Cushion Amount—Type
Anchor Size 4. 3/4" 0.D.	Rubber Size 7½ × 7½
Recovery—Total Feet . 120 Recovered 120 Feet Of Gas cut Dri	lling Mud
Recovered Feet Of	

Remarks

GIP GAP GTS in 37 Minx., @ 11 MCF/Day. Held steady throughout test.



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SERVICE REPORT

PROGRAM ZONE COMPANY WELL LOCATION TICKET No.

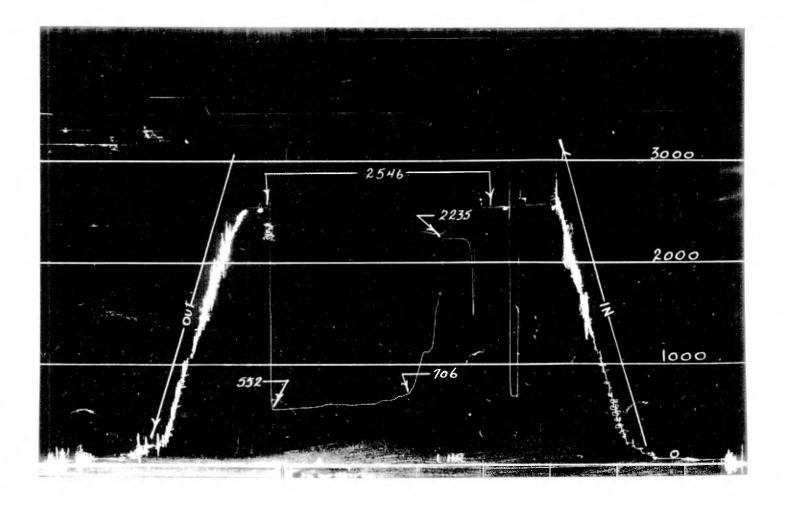
A 125 DRILL STEM TEST # 2

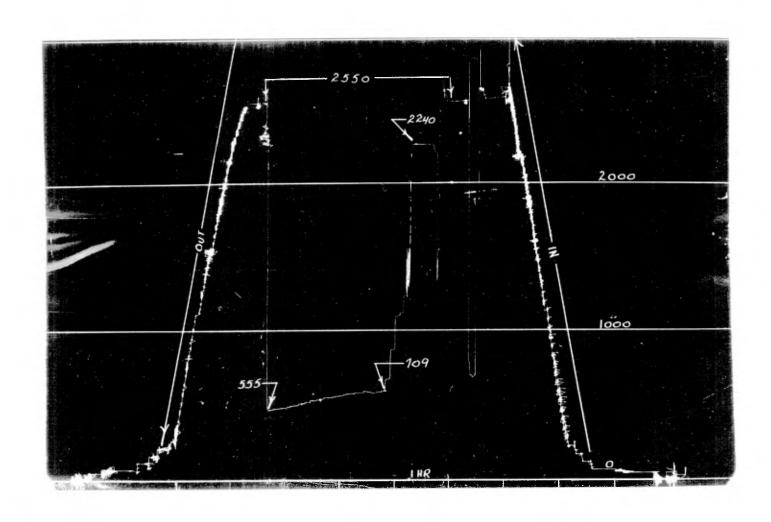
POTSDAM

LADUBORO OILS LIMITED

LADUBORO CIG NICOLET

GM. 1959







DIL FIELD

DRILL-STEM TEST DATA

Well Name	Laduboro CIG Nicolet	Test No. Two	
Well Number	1	Zone Tested Potsdam	
Company	Laduboro Oils Limited	Date Aug. 7, 1963	
Comp. Rep.	Ted Link	Tester M. Moscrip	

Recorder No 1251. Depth Initial Hydro Mud Press. Initial Shut in Press. Initial Flow Press Final Flow Press. Final Shut-in Press. Final Hydro Mud Press.	Clock Range 12 h 14117 2550 2240 709 555	P. Recorder No. 1232 Depth Initial Hydro Mud Press. Initial Shut-in Press. Initial Flow Press. Final Flow Press. Final Shut-in Press. Final Hydro Mud Press.	Clock Range 4117 2550 2240 709 555	12 hr
Temperature Mud Drop Mud Weight 11.5 Fluid Loss 5.5	Viscosity 53	Tool Open Before 1.5.1. Initial Shut-in Flow Period Final Shut-in	2 30 100	Mins. Mins. Mins. Mins.
Net Pay Tested Top Packer Depth 40	- 4117 15 4020 4117	Surface Choke Size Bottom Choke Size Main Hole Size Rat Hole Size Feet Of Rat Hole	3/4" 1" 8 3/4" 6 1/8"	
Drill Pipe Size. $3\frac{1}{2}$ I.F. Drill Collar I.D. 6 $3/4$ Anchor Size 4 3.	Wr. H90 Fr. Run 360 /4 0.D.	Type of Test Dua Cushion Amount—Type Rubber Size	$1 \ 7\frac{1}{2} \times 7\frac{1}{2}$ $7\frac{1}{2}$	
Recovered 30 Fee Recovered Fee Recovered Fee	of Salt water	and a trace of muc		

Remarks

Strong Initial Blow, GTS in 2 mins., Mud to surface in 8 mins.,

SGB throughout test. Orifice well tester 3/4 @ 6:00 p.m. - 50 PSI
6:15 p.m. - 55 PSI, 6:35 p.m. - 60 PSI, 6:55 p.m. - 60 PSI
7:00 p.m. - 60 PSI. 1064 MCF/Day

An 1959



DST PRESSURE INCREMENTS

Recorder No. 1232

Depth 41121

Points		INITIAL CIP					FINAL CIP	
	Time Defl.	T +0	T+0 0	PSIG	Time Defl.	T+0	T + 0 0	PSIG
1	0			1447				
2	5			2216				
3	10			2232				
4	15			2235				
5	20			2235				
6	25			2235				
7	26			2235				
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SERVICE REPORT

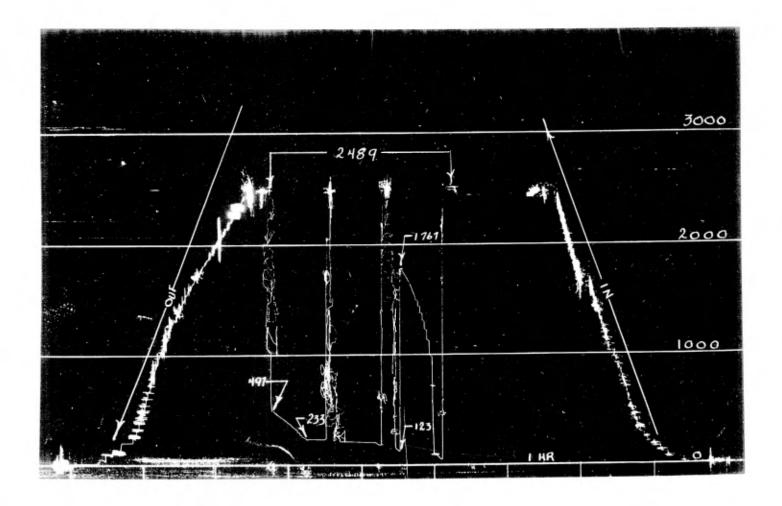
ZONE
COMPANY
WELL
LOCATION
TICKET No.

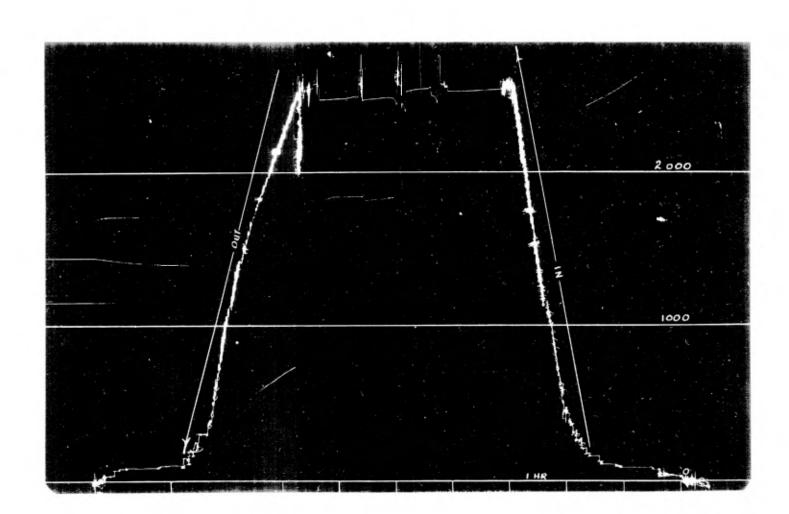
POTSDAM

LADUBORO OILS LIMITED

LADUBORO CIG NICOLET

GM-1959







DRILL-STEM TEST DATA

Well Name Laduboro CIG Nicolet	Test No. Three
Well Number 1	Zone Tested Potsdam
Company Laduboro Oils Limited	Dote Aug 12, 1963
Comp Rep Ted Link	Tester M. Moscrip

Recorder No. 1232	Clock Range 12 hr	Recorder No. 1251	Clock Range	12 hr
Depth	2489			7.4
Initial Hydro Mud Press.	1767	Initial Hydro Mud Press.		
Initial Shut-in Press.	123	Initial Shut-in Press.		
Initial Flow Press.				
Final Flow Press.	233			
Final Shut-in Press.	497	Final Shut-in Press.		
Final Hydro Mud Press.	2469	Final Hydro Mud Press.		
Temperature	114°F	Tool Open Before 1.5.1.	5	Mins.
Mud Drop		Initial Shut-in	30	Mins.
Mud Weight 12.2	Viscosity 40	Flow Period	60	Mins.
Fluid Loss		Final Shut-in	30	Mins.
Interval Tested 4008 Net Pay Tested	- 4094	Surface Choke Size Bottom Choke Size	3/4" Adjus	table
Top Packer Depth	4008	Main Hole Size	8 3/4"	
Bottom Packer Depth	4094	Rat Hole Size		
Total Depth	4164	Feet Of Rat Hole		
Drill Pipe Size 31 I	.F. Wt.	Type of Test Full 1	Hole Stradd	le¹
Drill Collar I.D. 6 3/1	Ft. Run 305	Cushion Amount—Type		
	/4" O.D.	Rubber Size	$7\frac{1}{2}$ " x $7\frac{1}{8}$ "	7 7
Recovery—Total Feet	340			
	et Of Gas cut dril			
Recovered 35 Fee	et Of Gas cut dril			
Recovered	et Of		101	
Recovered Fee	et Of		The second second	

Remarks

GIP FAB reset packer, fair air blow dying in 20 mins reset packer after 40 mins weak air blow dying in 5 mins.

Mud started to drop when opened tool after initial shut-in so reset packer lost about 9° to 12° of mud all together





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SERVICE REPORT

ZONE
COMPANY
WELL
LOCATION
TICKET No.

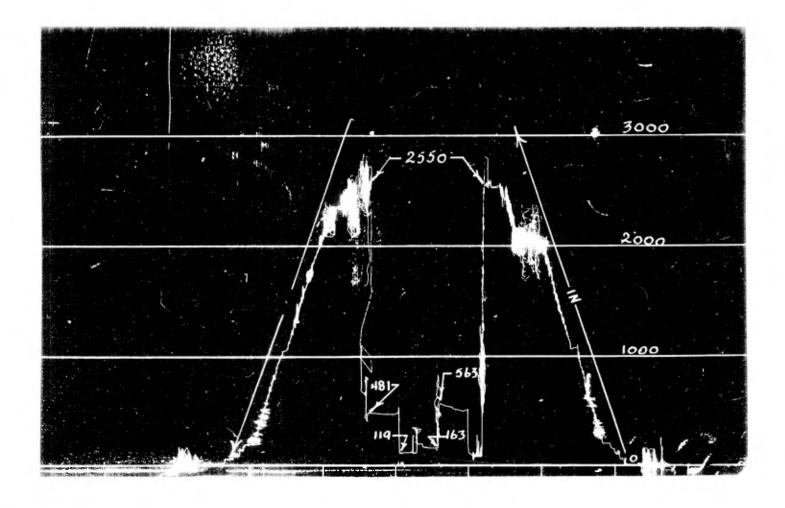
DRILL STEM TEST # 4

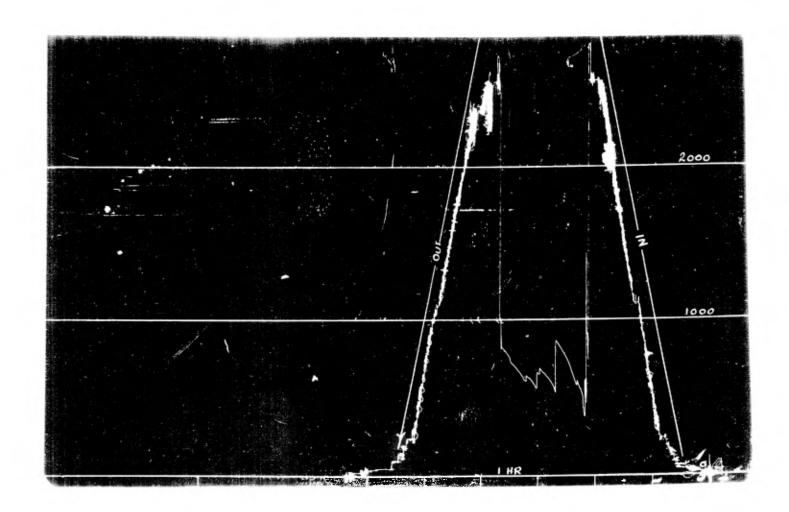
POTSDAM

LADUBORO OILS LIMITED

LADUBORO CIG NICOLET

GM- 1959









DRILL-STEM TEST DATA

Well Name Laduboro CIG Nicolet	Test No. Four
Well Number 1	Zone Tested Potadam
Company Laduboro Oil Company	Date Aug 12, 1963
Comp Rep T. Woodman & T. Link	Tester M. Moscrip

Recorder No Depth Initial Hydro Mud Press Initial Flow Press Final Flow Press Final Shut in Press Final Shut in Press Final Hydro Mud Press.	Clock Range 14116 2550 563 163 119 481 2550	12 hr	Recorder No Depth Initial Hydro Mud Press. Initial Shut-in Press Initial Flow Press Final Flow Press Final Shut-in Press Final Hydro Mud Press.	Citizen marige	12 hr
Temperature Mud Drop Mud Weight Fluid Loss	1114°F Viscosity	40	Tool Open Before 1. S. I. Initial Shut-in Flow Period Final Shut-in	7 30 30 30	Mins. Mins. Mins.
		305	Surface Choke Size Bottom Choke Size Main Hole Size Rat Hole Size Feet Of Rat Hole Type of Test Cushion Amount—Type Rubber Size	3/14" Adjus 12" 6 3/14" 7 2 x 7 2"	table
Recovered Fee	155 et Of Gas of et Of et Of	ut wat	er cut drilling m	ud	

Remarks
GIB shut in after seven mins., open tool WAB dying in 5 mins.,
remaining throughout test.



B-W BORG-WARNER

BJ SERVICE OF CANADA LTD. · · · CALGARY, ALBERTA

A125

WORKOVER PROGRAM

Laduboro C.I.G. Nicolet No.1 Well

Assumptions - Analysis of the Production Test carried out by Mr. T.Peart of Canadian Industrial Gas Limited indicates that a bottom hole pump can recover sufficient formation water from the tubing to enable commercial quantities of gas to be produced from the casing to supply local markets. The workover program on this well should be carried out after working over Laduboro et al La Baie No. 5 well.

Workover Program

- 1. Install sufficient water storage on location to enable the li lbs. per gallon calcium chloride water to be transferred from the La Baie No. 5 Well for use on the Nicolet No. 1 Well.
- 2. Install a Series 600 Blowout Preventor capable of shutting in the well with 2" EUE tubing in or out of the hole. Add a rubber stripper and a tubing stabbing valve handy at all times when running or pulling tubing.
- 3. Make up a suitable sized bit to a drill collar and tubing and measure tubing in the hole to the top of the cement plug at 4000 feet. Reverse circulate the hole with the ll lbs. per gallon calcium chloride water, holding a back pressure on the tubing and circulate the hole until clean and filled with the ll lbs. per gallon calcium chloride water.
- 4. Time drill out the cement in the casing and run the tubing carefully to total depth, breaking circulation frequently with the calcium chloride water. Ministère de l'Énergie et des Ressources Gouvernement du Quebec

DATE:	
No. G.M.;	1959

Documentation Technique

- 5. Run the tubing and bits to total depth at 4160 feet and circulate the well clean.
- 6. Pull the tubing and break out the bit and drill collar and install a gas anchor and pump seating nipple. Run the tubing to the required depth.
- 7. Break out the blowout preventor and install a production head.
- 8. Fit a Series 600 Blowout Preventor capable of shutting in the well with rods in or out of the hole. Run the bottom hole pump and rods, seat the pump and install the pump jack.
- 9. Pump fluid from the well and flow gas from the casing.
- 10. Carry out production tests at different pumping rates and at different tubing pressures to determine the gas deliverability of the well.

- PIE

CANADIAN INDUSTRIAL GAS LIMITED

640 - 7th Avenue S.W.

Calgary, Alberta

come

November 26th, 1963

Mr. T.G. Woodman, General Delivery, Nicolet, Quebec

Dear Terry:

Re: Laduboro C.I.G. Nicolet No. 1

The following program should be carried out on the above-named well in order to recover the 2-3/8" EUE tubing:

- 1. Recondition sufficient mud from the suction and settling pits, by gunning and adding water, to fill the well.
- 2. Bleed off the pressure from the tubing and pump the mud to the casing while holding a back pressure on the tubing.
- 3. Break out the wellhead and install blowout preventors.
- 4. With the tubing set in the correct position, spot the cement plug to cover the perforated interval with the top of the cement plug approximately 100 feet above the top perforation. Use ready mix cement and the rig pump for cementing.
- 5. Pull the tubing back 10 feet, reverse circulate out excess cement and pull the tubing. The tubing should be thoroughly washed with fresh water to remove any trace of salt and thoroughly inspected for corrosion damage.
- 6. Break out the blowout preventors and install the wellhead.
- 7. Chain and padlock the wellhead.
- 8. The tubing should be moved to the Yamaska No. 1 location for possible use in that well.

Ministère de l'Énergie et des Ressources	Yours very truly,
Gouvernement du Québec Documentation Technique	CANADIAN INDUSTRIAL GAS LIM
DATE:	
No. G.M.: 1959	
	Nell V. Story

c.c. Laduboro, Parnoll

NVS:h

Nell V. Story, Vice-President

44,444-77-23

See DUBORO /		LEASE		41																
TRACTOR		1	n11.11	WELL HO.	FIELD OR D	NST. A	1.1		COUNTY A	dei		5.7	ATE		304	DRILLIN	G CREW PAYROLL	DATA		
	RIG HO	DESIL PIPE TOOL	an his fired	PUMPS	-	111		SIZE MAKE	WT. & GR. NO.	FERT	EKS. TO CSG, HI	O SET A		If Fife		DATE	1200-2	11-1	3	
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URE OF OPERATOR'S REPRESENTA	TIVE SIGNATURE OF C	DHTRACTOR'S TOOL PUSHER	T.			TUE	SING BING			-		+	-			- *************************************	Who see see	Ort	1	
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in and	SHOLES D.P.	FT. 925	VEGIT		79411				****	-			SIXE	- "	10 /20		SOC. SEC. F	HO.	NAME	HRS.
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	A.O A.I	PT. TYPE	VL-CC.								-					DRKMAN		-		
HENG MUD	B.C.	HO.	PLTR. CK.		DEVIATION	DEPTH	DEY	DIRECTION	DEPTH	DEV.	DIRECTION		DEPTH	DEV.	DIRECTIO	FIREMAN		-		
	10. O.D.	FE. HOZZLE MZS	PH		RECORD					-						FLRMAN				
TE RIG	2 STR. 6	PT. SER. HD.	CONT. %		FROM LOG	то	TIME	DETAILS OF OPERATION	ONS IN SEQUENCE AND I	REMARKS						FLRMAN		\vdash		+
SURVEY	S SOOT O.D. N	FT. DEPTHOUT	PRESSURE GRADIENT													FLRMAN	-	-		-
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UNE	0.0.	FT. TOTAL FTG.	TYPE ANT. TH	PE ANT.	-	-	-									-;				+
G	MY OR C.S.	PT. TOTAL HE. RUM																		+
	KELLY DOWN	PT. COND. OF BIT																		
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LY .	TOTAL	FT. REAMER NO.										-				-		10. G.M.:		
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	STANGS D.P.	FT. MT HD.	TIME		FEDA	то	cost.c	*1.	(SHOW CORE RECOVER!	n	ROTARY W	BOT PRE	100 t	JAL LIN	ER SPA PA	CREW	SOC. SEC. N	NO.	NAME	HRS.
	SHOLES D.P.	FT. 1425	WEIGHT													DRILLER				
WORK.	D.C.	MPG.	VISCSEC				-									DRKMAN				
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NE DISTRIBUTION - HOURS	NO. DIRECTING ASSEMBLY	BIT RECORD	NUD RECORD	FOOTAGE	20	FORMATIO	NEW TOWN	BOTARY BIT PE	PUMP HO.		70000	MORNING TOUR P.M.	_ A.M.
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- (SMGLES O.P.	PT. 922	WEIGHT		7种《扩展						DRILLER		
O ACTUAL	IR OR	PT. Trees	VISCSEC	100		39					DRKHAN MYRHAN	The State of the S	
DHING MED	NC VIII	PT. TITTE	ar-cc		pt DEV.	-	DEV.	DIRECTION	DEPTH	DEV. DIRECTION	FIREMAN		The Company
A I I		PT. MOZZLE SZE	R.TR.CL	RECORD					TO BUT		PLRMAN		
TE RIG	S STR. BOOT OF STR.	PT. 1891. NO.	FII SD. CONT. X	FROM TO	DETAILS	OF OPERATIONS IN SEQUENCE	NO REMARKS				FLRMAN	Sant Significan	E-defines you
M WEYEY	E KOPT O.D.	FT. SEPTHOUT	PRESSURE GRADIENT	C 100 0 8 8			- California			12	FLRMAN		21 7 1
se.	9 8087 0.6	PT. DEPTH H				10.00		A Charle	1	STATE OF THE STATE OF			33 7 1
G UMB	MTOR C.B.	PT. 10TM. PTG.	TIPE MT. TIPE MT.				A SUSSIE	1000	1 May 1				
86		PT. TOTAL ME. RUN		200			2550001	A -	15/17/25/11	The state of			Despera
	The second secon	FT. COND. OF MT				1. A	September 1	L. C. Lord		The second secon			
CASHS TING	TOTAL	PT. REAMER NO.	DELLER	76				The second	room to		NO, OF DAYS	SINCE LAST LOST TIME ACCIDENT	
•	MO. DRILLING ASSEABLY	BIT RECORD	MUD RECORD	183		7 773	Land Contract	PT. 00	POMP HO	POMP NO. HETH	00	DAY TOUR SECTO AM HEE	Р.К
EM TENT	The Control of the Co	FT. MTHO.		FOOTAGE	00.0 CDRE	PORMAT (MICH CORE P	WERN .	MOTARY WY. ON BIT	LBOOK SIZE S.P	M MEE SAM PAR'S	CREW SOC	SEC. NO. HAME	HRS.
		PT. SIZE	THE STATE OF THE S	FROM: TO	DOME.C.	04 F08 17 1 98	Jan Service				DRILLER	Ber Benson	18
COPOSATION	O.C.	MFG.	MSC-SEC		120 13			12.4			DRIGHAN	A.K. THEOMS	8
MANO 1891	I.O. O.O.	PT. TIPE	Mcc	LEST OVE			to DEV.	ривестом	DEPTH	SEV. DIRECTION	HTEMH/		5
***************************************		PT. MOZZLE MG.	REQ.	RECORD DE	PT 064.	DERECTION DEP			100		FRESH		30000
ELTING	5TB. 8007 O.B.	92E	MAN SW	FROM TO	UPSED DETA	ALS OF OPERATIONS IN SEQUE	HOMO REMARKS	1.00	15 - 10 (15		FLEMAN	J. Quelles	12)
DOTTIONAL A	2 STB.	FIL DEPTH OUT	CONT. N	8:00	2	BIZEINE	PIR	OUT AU	10:		FLRMAN.	Trans Time:	
The MANAGET COPPER SHE CHL.YI	9007 0.6. SUBS	PI. DEPTH IN	GRADIENT	4:00	3	Cheun	a Will	ent:					
COPPER ME CHAN	BITOR CA.	PT. TOTAL PTG.	TYPE MIL TIPE MIT.			-		· ·	Marine Co.	COLL SEE	-		
		PT. TOTAL HE MM	4					1,41		1 2 2			37.1
	KILLY DOWN	FT. COMB. OF MT		(C. C.)			E PARTY						1 1 1 1 1 1
POSY		PT. 254400 Ht. 40		200	1 144 155	0			4		HO. OF DAYS	SINCE LAST LOST TIME ACCIDENT	A STATE OF
	HO. DRILLING ASSEMBLY	LES. REMIER TYPE	must Ben Berry	To transition (CS)		100		Line	PUPH	O. PUMP NO. MET		EVENING TOUR P.M.	Ри
	AT END OF TOUR	FT: SIT HO.	AUD RECORD	POOTAGE	10-0 COME 100-0	FORA (MICH CORE	REPERT)	80TARY ST. OR	Line.	PLMP NO. METT PAL LIMES LPAL PAR- SEER LPAL PAR-	CREW SO	C SEC. HO. A HAME	HIRS.
	- 14 The second second	FT. NZE	The vboirt	PROM TO	COME.C			8 8 8 G 2	1		DRILLER	the Gran	- 12
AY WORK	6.C.	MPG.	MIC-MC	11/20/01	10 BM	PENNING CHES	STANK.	8 8.5 (2.5)			DRKMAN	W. Culler	12
VIRE LINE RECORD	10. 00	PT. TYPE	ar-cc	GEORGE ST.	15 10 10				-	DEV. DIRECTION	MTRMAH	2 Helbard	12
		MOZZLE NO.	RIL CE	DEMATION DE	PTH DEV.	DIRECTION D	2F1 DEV.	ривестон	SEP TH	Marie Died Die	FIREWAM		
HES 5/22	2 STB. 0.0.	928	·M	The LOC	R.PISO NO	TAILS OF OPERATIONS IN SEC	DEND SEMANS			-1, -1, -1, -1, -1, -1, -1, -1, -1, -1,	FLEMAN	Trave tin	6
ree ree	STR. G.D.	FE. SER. NO.	Ber. s	7100	-				1503		FLEMAN	Travel (in	100
LEMETH	900Y 9.0.	PT. DEPTH OUT		Marin Evrel	W 100 H		Section 1	N. 1985	19	approximate the second		Trong Gras	
A TEPS ST OUT	STORCA	TOTAL PTG.	HED & CHEMICALS ASSESS TYPE ANT. TYPE ANT.	100 P. 10						生ませ 梅な	7. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.		1
W.	MIDECA	TOTAL HR. BUH	TIPE MIT.		3		100		1177				
ATS JO TWE G HIES.	KELLY BOWN	FT. COHO. OF BIT							27,318,123	THE CANDE	_ i		
G HES.	TOTAL	PT. REAMERING.	PROPERTY PROPERTY AND ADDRESS OF THE PARTY AND	THE PARTY NAMED IN	18 E 18 V SE		Carrier Control		AND THE REAL PROPERTY.	State of the state of	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		N SEE SHOW

low actor		Lade	lone oil	co mice	14	WELL HO.	FIELD	OR DEST.	5-17	1	COUR	minle	1000	STATE	Duba		DRILLING	CREW PAYROLL DATA		10
	E TELEVISION	RIG NO. DEILL PIPE STRING	TOOL	0.0.		IMPS	1,525	200		MZE	MAKE WE. A.		FEET 255. 10 CSG. HD.	SETAT	www	BIARKS	DATE	19.19	63	
AMERICAN DRII	LLING COMPAN	Y NO. SIZ	TYPE THD.	110.	MANUFACTURER	1	TYPE &		ASTNG	7.3704	Control Page		Carro		10.300			In Lada		16 6
F OPERATOR'S REPRESENTA	TIVE SIG	NATURE OF CONTRACTOR'S TOOL		h.		10	L	. 1	UBING	6.1	7.4.		N 9 10 10 10 10 10 10 10 10 10 10 10 10 10				WELL HAME	Laduboro	The it to Myster #	.4.
2. W. 7	-0			2			S Double	08	LIMER						E STATE OF	And the second	2		asco	
STRIBUTION HOURS	NO. DRILLING	ASSENBLY	BIT RECORD	1	NUD RECORD		FOC	TAGE	DR0	1			lur.	- L	PUMP NO.	PUMP NO. METHO	TOOL PUSH	ER.		RIG NO.
MORN DAY EYE	STANDS D.P.	PT. BIT NO.	33 8 8 8	THE		1	FROM	10	DR., D RM. R CORR., C	DORE TO.	(SHOW COS	MATION E RECOVERY	ROTARY SIT	PRESS U		PUMP NO. METHO RUN LINER S.P.M. 3601-0- SIZE COM D.		MORE	HING TOUR P.M.	A.M.
	SHOLES D.P.	FT. SZE	500 3 3 3 9	VEIGHT			1237	J. 16.38							128	Size CO. D.		SOC. SEC. NO.	NAME	HRS.
TUAL	B.C.	MFG	5 Mary 7	VISCSEC	400					17.55		A SERVICE OF					DRILLER		A ChEYELANG	12
	40 41	FE. TYPE		W.LC.C.					3 5 7	15	Charles To The					1000	DREMAN		1 C (1 11	1
Web.	100	er sorms	10.	FLTR. CK.		1	BEVIATION	DEPTH		EV.	DIRECTION	DEPTH DEV.	DIRECTION	DEPT	N DEV	DIRECTION .	FIREMAN	- 0	My. Sidabh	12
See Lines	1.D. O.D.	4.7	sité	PH		À.	FROM	L06 J	CLAPSED TO					1		The second	PLRMAN		TRAVEL TIN	
IG .	D STR.	FT. SER. NO.	9 1 9 9	SA. CONT. %			PROM	10	The	DETAILS	OF OPERATIONS IN SEC	UENCE AND REMARKS	NI N		77154		FLRMAN	1 2 6	INFIEL IIN	74
RYEY	EGY O.A.	FT. DEPTH OUT		GRADIENT .			29.0	- 1	150	Service of	Site Car		-	-	-		FLRMAN		No. of the second	
	BURS D.D.	PT. DEPTM IN						establish in	96		200	87.8			10/0		1			1
	MT OF CA.	PT. TOTAL PTG		TYPE	ANT. TYPE	AMT.			0.00	2000							u 1/4/11			F
		PT. TOTAL ME.					To the said			1000		3 to 500			Share Story			13 10 1	4 Y 1 1 1 1 2 2 2 1	7
	ERLLY DOWN	FT. COVO. OF S			0 V		1 4 5	1	1.10	735	7,381	35	100	100	NOVE !	1	1		control of the	F MY
NG.	TOTAL C	FT. REAMER HO.		DESLESS		13655	7 - S	N - 17	7-12-1	1 - 10 ·	100				344		1			0 430 2
	WT, OF STRING	ASSEMBLY		2,000,000,000			-			-		3 3 3	-	100			NO. OF BAYS	SINCE LAST	LOST TIME ACCIDENT	Epil H
rest .	AT AN	or tour	BIT RECORD		NUO RECORD		-	OTAGE	10.0	CORE	FOR (SHOW CO)	MATION RE RECOVERY)	ROTARY NT. OF		PUMP NO.	PUMP NO. METHOR	4	DAYT	1008 2:00 AM 4:00	Ma Turk
	STANDS D.P.	PT. SIT HO.		THE			PROM	10	COMPLE	200			1000 A	PRESS LI	IZE S.P.M.	SIZE S.P.M. PARTE	CREW	SOC. SEC. NO.	MANE	NRS.
	SINGLES D.P.	FT. SIZE		VEIGHT VISCSEC		8 4	1111	3	1		Contract Contract			100			DRILLER		Ben Frener	18
RATBE	10. 00	PT. THE		W.LC.C.		-	6	*	E MP.	4.	15. au 15.2 15	WEST TO		1		-	DRKMAN	S. 18 19	L.F. Turnes	
G THIPS	D.C.	1	но.	FLTR. CK.			DEVIATION	DEPTI		ev.	DIRECTION	DEY.	DIRECTION	DEPTH	DEV.	DIRECTION	-MTRNAH ·		J. Gueller	-8
ING	1,0. 0,0.	PT. MOZZLE	SZE	PH	220		RECORD	1	100	100	100	2 × 1		11			PIREMAN	L	J. LANDRY	8
66.7	STE. BOOT O.D.	FT. SER. NO.	71	SD CONT. S	Children and		PROM	106	TIME		OF OPERATIONS IN SE		-	- 1, 124	4 3 2	C 55 - 55 - 5 - 5	FLRMAN			
IDHAL	\$15. 800Y 0.D. 848. 900Y 0.D.	PT. DEPTH OUT	1	CRESSES		7.00	8:00	10:00	21-	Pres	and the	of tellin		se P	dine.	dina 11	FLEMAN .			artise in the
THE SUMMEY FFEE OIL DILTI	9007 O.B.	PT. DEPTH IN	53.5		104			7.5 63	5 Jan 19	0.4	71 21	dewar.	Aus)	to tu	Hing 2	Bul Pop	D PERMAN			1000
	BIT OR C.B.	PT. TOTAL PTG		TYPE	& CHEMICALS ADDE	D AMT.		100		9%	11 4	SEE PROPERTY.		200	-		ž -			
ES 68 00 15		FT. TOTAL MR.	***	an - King Till	ADMINISTRATION.	TO VALLE	10.00	4:00	6		Net	Nill AT	2:00	17		4			1 2 3 3 5 5	3 5000 40
	KELLY DOWN	FT. COMO. OF B	т .	_			1	15	The same	1000					2					
	TOTAL	PT. REMER NO					68.0		1	1400	The latest to	建设设置	JE 11, 35 15		3 1 2		6			
	WT, OF STREET	LES. REMERTY		PERLER	Kata Laborat	1 21/4		- 4		1 4			L. S. Silvi	100	2.00		HO. OF DAYS	SINCE LAST	LOST TIME ACCIDENT	
	AT DE	ASSEABLY OF TOUR	BIT RECORD		MUD RECORD			OTAGE	00-0 00-0 0000-0	CORE NO.	FO (SHOW CO	RAATI	ROTARY WT. OM RPM BIT 7000 F		PUMP NO.	PUMP HD. METHOD RUN		EVENU	HG TOUNHE P.M. 12:00	
	STANDS D.P.	PT. MT HO.	- 3.5	THE	1,500		FROM	10	C088.6	-	(MOV CO		7000 #	PRESS LINE	ER S.P.M. S	NER SPA PAR'ELP	CREW	SOC. SEC. NO.	HAME	MRS.
ORE	D.C.	PT. 921		VEGNT						3	-	The second second			8 6 7 4		DRILLER		H Do Hour	0
E LINE RECORD	1.0. 0.0.	PT. TYPE		WSCSEC				12.	100	100							DREMAN	3	Q Quille	2
E LINE RECURD	D.C.	TYPE	HO.	FLTR. CK			DEVIATION	DEPTI		ev.	DIRECTION	BEPT DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	MTRMAN		Mulbard	0
uze \	₹ I.D. 0.D.	FT. HOZZLE	are and	- PH		1	RECORD	1 5 10		4	J. San Edi	19 8 5 2	PER SEN		-	4	FIREMAN		Roy Semenville	10
0	STB. BODY G.D.	PT. SER. NO.		- 56 or. s	red to the second			TO		DETAIL	S OF OPERATIONS IN SE	100		WOLLS.	2 0 mm		FLRMAN	15 5	0	100
WE AND THE REST	BODY O.D.	PT. DEPTH OUT		CHARGE			4:00	5:30	1/2	Di	separte	Ans: is	w71.21	Turan	· ·		PLRHAM PLRHAM		THE RESERVENCE	10.50
NOTH	STR. BODY O.D. RMR. BODY Q.D. SUBS O.D.	DEPTH IN		Element	16			10.15	12	Nop	pho ve	WHOOD	· Cm	OUT 1	9010:	The second	PLINAN			
NIPS OUT	BIT OR C.B.	FT. TOTAL FTO		TYPE	A CHEMICALS ADDE	D MIT.	5:30	12:10	1/2	11	the Hep	A : Nou	DRIVER !	SHEES	en I	14:	2.20			
100		TOTAL HE.	Maria .			500	10 Ch		322	1	4	8			On a second		100			
	KELLY DOWN	PT. COND. OF I	IT .	Clark were	13 70 65	300	Wet ST	200	E (2003)	of the second			ASSESSANCE.	30.75	8-16-5	1000				373
	TOTAL	FT. REAMER HO			100	0,	W-125	2175		Rite S	The second	100000	Section 1	45.450	1433	-62	7			100
	WY.OFSTRING	LES. REAMER TY	ALCOHOLD STORY OF STREET	DRILLER	A CONTRACTOR OF THE PARTY OF TH	W	200 may 200 may 200 mg	CONTRACTOR STATE		BS-S-F-C	A THE RESERVE OF THE PARTY OF T	THE RESERVE OF THE PARTY OF THE	AND THE PERSON NAMED IN COLUMN				-		The second secon	STATE OF STREET

	DRILLING REPORT	REPORT NO. 5	DATE	8-18-63																	
PERATOR		LEASE	1	WELL WELL	40. FIELD	D OR DIST.	1	. 17		COUNTY			STAT	re	21	11	· April April 200				
Laduboro Clex	eo	Laduboro C.	XJ 1/	notet #1			1			/	Tuo			0	Luc	bec		EW PAYROLL DAT		. 6. 1 2	
ONTRACTOR	RIG NO.	DRILL PIPE TOOL STRING JOINT	O.D.	PUMPS			1	SIZE	MAKE W	VT. & GR.	NO. JOINTS	FEET RKB.	TO SET AT		REMA	RKS	DATE LA	egust	18-	1963 Shold #, N	10 636
ORTH AMERICAN DRILLI MINION PANTARY Smaller GNATURE OF OPERATOR'S REPRESENTATIVE	NG COMPANY 4	NO. SIZE TYPE THD.	NO.	MANUFACTURER	TYPE		CASING				- 1			-			WELL NAME &	NO Tadu	boro C.	It Theolet #1	- 030
NATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF COM	TRACTOR'S YOOL PUSHER	1.	<u>(1</u> -)			TUBING					-	11 1	1				Pulakon	in rail	Co	
4	-0		2.	1/2-		- 0	OR LINER	-			-			-			COMPANY	cupie o -	0 000	-	4
Theo. W. Z			3.				-										TOOL PUSHER				RIG NO.
TIME DISTRIBUTION-HOURS	NO. DRILLING ASSEMBLY	BIT RECORD		MUD RECORD	FC	DOTAGE	DR.	CORE		FORMATION		ROTARY	WT. ON BIT 1000# PUMP PRESS	PUMP	NO. P	UMP NO. METHO	•	MO	RNING TOUR,	12:00 P.M. 8:00	O AM
MORN DAY EVE	STANDS D.P.	T. BIT NO.	TIME	44	FROM	то	CORE	c NO.	(SHO	W CORE RECOV	/ERY)	RPM	1000# PRESS	SIZE	S.P.M. LINE	E S.P.M. SGL PAR'EL COM'D	CREW	SOC. SEC. NO.		NAME	HRS.
U P & R DOWN		T. SIZE	WEIGHT														DRILLER		fort	ChEVELAND	8
LING ACTUAL	D.C.	MFG.	VISCSEC				55.				9						DRKMAN			SANDERS	12
MING	I.D. Q.D.	T. TYPE	W.LC.C.				U.S.				1						MTRMAN		li W	HS, ddall	8
DITIONING MUD RCULATING	D.C.	NO.	FL.TR. CK.		DEVIATION	DEP1	TH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTIO	D D	EPTH	DEV.	DIRECTION	FIREMAN	-1	101 -	Lby RhEMAN	10
s g		T. NOZZLE SIZE	PH	* What was and the	RECORD		1							-			9	- 1	WE	1.44 /7/1E/1441	110
ICATE RIG	STB. BODY O.D.	T	SD. CONT. %		FROM	TO	ELAPSEI TIME		LS OF OPERATIONS I								FLRMAN		\leftarrow		
ATION SURVEY	STB. BODY O.D. RMR. BODY O.D. SUBS	SER. NO.	PRESSURE	7	12:00	8.00	8	0	EANING	6 400	atio	n		1			FLRMAN		1 -	1 1.	
Į į	RMR. BODY O.D.	DEPTH OUT	GRADIENT		5.30	800		1.16	bp Hoo	k 11.0	11/01	Libert	10N. 70	Ac	edier		FLRMAN	\rightarrow	11/1	Avel Time	
B.O.P. OFF LING UNE	SUBS O.D.	T. DEPTH IN		ID & CHEMICALS ADDED			100		,	,							1		_		
	BIT OR C.B.		TYPE	UD & CHEMICALS ADDED			2				-						1				
AIR RIG		T. TOTAL HR. RUN					卷			-							-				
NG LINE	KELLY DOWN	T. COND. OF BIT					13		40-14-B						7	5:		. 1			
LINE HNG	TOTAL	T. REAMER NO.					80	**									-				
IING CASING MENTING	WT. OF STRING	S. REAMER TYPE	DRILLER	1 Eleveland			- 81				N. STEP				1		NO. OF DAYS	SINCE LA	AST LOST TIME	E ACCIDENT	
ING ON ENT	NO. DRILLING ASSEMBLY	BIT RECORD		MUD RECORD	F	OOTAGE	np.	0					WT. ON	PUMP	NO. PI	UMP NO. METHO		-	v	10 AM 4:00	7
L STEM TEST	AT END OF TOUR				FROM	то	DR. RM. CORE	CORE NO.	(SHC	FORMATION OW CORE RECO	VERY)	ROTARY	BIT PRESS			R S.P.M. SGL-S PAR'EL COM'D	-				
ER		T. BIT NO.	TIME		1.00		CORC						100011	SIZE	SIZE	COM'D	17	SOC. SEC. NO.		HAME	HRS.
NG	SINGLES D.P.	T. SIZE	WEIGHT				14	-						-	-14		DRILLER		100	N SENSON.	8
A. PERFORATING		MFG.	VISCSEC			-	100	+			1						DRKMAN		heck	F. THEMA	8
B. TUBING TRIPS	I.D. 0.D. D.C.	T, TYPE	W.LC.C.			DEP	THE	DEV.	DIRECTION	DEPTH	DEV.	DIRECTIO	W -D	EPTH	DEV.	DIRECTION	MTRMAN		7.1	QUELLIN	8
C. SWABBING		NOZZLE NO.	FLTR. CK.		DEVIATION			DEV.	DIRECTION	DEFIN	DET.	DIRECTA		Erin	DEV.	DIRECTION	FIREMAN			LIBNORY	8
D, TESTING	CTR	SIZE SIZE	PH	23	TIM	E LOG TO	ELAPSEL		LS OF OPERATIONS	1					Dr.		FLRMAN		0.7		
E, ADDITIONAL 8	BODY O.D.	SER. NO.	SD. CONT. %	4-	FROM	4:00	TIME	DETA							157		FLRMAN				
ALS 8	STB. BODY O.D. RMR.	PEPTH OUT	PRESSURE GRADIENT		20,00	4.00	0	11	1/13/1	TON	HCIE	128 10	6.				FLRMAN.				
TIME SUMMARY (OFFICE USE ONLY)	BODY O,D,	DEPTH IN		- 14-			- 8			· C					-		1				
	O.D. BIT OR C.B.	TOTAL FTG.	TYPE	UD & CHEMICALS ADDED			- 50	-		1	-						1				
WORK	BIT OR C.B.	<u></u>					- 4			/	1		*								
. W/DP		T. COND. OF BIT									-						1				
. WO/DP		T. REAMER NO.		1.0			- 0	_			1				-	7	-		+		
STANDBY		35. REAMER TYPE	DRILLER 2	JEN THENSE	_			-		ww.			·				NO. OF DAYS_		AST LOST TIM		
	NO DRILLING ASSEMBLY	BIT RECORD	1	MUD RECORD		OOTAGE		-	_				1		I	METHO					
	AT END OF TOUR			MOD RECORD	_		DR- EM. CORE	CORE NO.	(SHC	FORMATION OW CORE RECO		ROTARY	BIT PUMP PRESS		NO. PL	JMP NO. METHO RUN SGL-5 FAR'EL COM'D.		EA	ENING TOUR	4:00 -12:00	Р.М.
	STANDS D.P.	T. BIT NO.	TIME		FROM	то	CORE	_C	(1000#	LINER SIZE	S.P.M. SIZE	S.P.M. PAR'EL COM'D	CREW	SOC. SEC. NO.	/	NAME:	HRS.
		T. SIZE	WEIGHT								1			1			DRILLER		14	De Straw	8
AL DAY WORK	D.C.	MFG.	VISCSEC														DRKMAN		6	Duilles	8
WIRE LINE RECORD	I.D. O.D. I	T. TYPE	W.LC.C.			-					-						MTRMAN		K	Blulland.	2
L NO.	b.c.	NO.	FLTR. CK	-	DEVIATION		TH	DEY.	DIRECTION	DEPTH	DEV.	DIRECTIO	DN D	EPTH	DEV.	DIRECTION	FIREHAN		10	Serverialle	4 500
OF LINES SIZE	I.D. O.D. I	T. NOZZLE SIZE	PH				E) ADIE										FLRHAN		Trong	MINNEA ARAKUL	
SLIPPED 2	BODY O.D.	SER, NO.	SONT. %		FROM		ELAPIEI	DETA	LS OF OPERATIONS	IN SEQUENCE	AND REMARKS						FLRHAN	-			+++
CUT OFF	STB. BODY C.D.	T. DEPTH OUT	PRESSURE GRADIENT	40.0	1	12.00	X	14	1/ 1 6		19441	Variation of the same					FLRMAN		+		
SENT LENGTH	BODY O.D.	T. DEPTH IN	GRADIERI			-		-				1	3				-		+		
ML OR TRIPS CE LAST CUT	SUBS O.D.	TOTAL FTG.	M	UD & CHEMICALS ADDED							-	id					1		+-		
LATIVE MI. OR TRIPS	BIT OR C.B.	T.	TYPE	AMT. TYPE AM	-			-			E										
MI. OR TRIPS DF DAYS											ii:	P. 4			-						
OF DAYS M SPUD ULATIVE		T. COND. OF BIT			-						15						1				
ATING HRS.	TOTAL	T. REAMER NO.		1/10 11			9.1				2						5				
	WT. OF STRING	S. REAMER TYPE	DRILLER																		







aduboro Oil	Co.	LEADE PORT NO. 5	3 DATE 8-17-63	HO. FIELD	OR DIST.			COUNTY 7		TATE	i 1)	nebec	DRILL	LING CREW PAYROLL DAT		-	
истоя	RIG NO.	DRILL PIPE TOOL	PUMPS		Ties	SIZE	MAKE	VT. & CR.	rest BKI	. TO SET AT		REMARKS		-	-1963		
TH AMERICAN DRILLIN		STRING JOINT NO. SIZE	NO. MANUFACTURES	TYPE 2	ATMINET L	AST SIZE	MAKE	WY. & CH. ACRESTS	PERT CSC	B. TO SET AT	2.05	REMARKS	DATE	luguet 1	no C.J. & This	Nº	630
THE AMERICAN DRILLING PLANTS	Cary . LL J	TYPE THO.	national			SING				1		Control of the contro	AELL	ANY Taluboro	Co lo	ur!	
CONTROL OF THE PARTY OF THE PAR	01		2			LINER				34			COMP	ANY James	CECA CO	-	4
The W. To	- KA		1 and the second second		100									PUSHER		- Rif	6 140.
the distribution of the contract	MD. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	-	OTAGE	SE.S CORE		FORMATION OW CORE RECOVERY)	ROTARY	BIT PUMP	PUMP NO	P.M. LINER S.P.M.	RUN	MO	ENENG TOUR / 2 00		
A DOWN DAY EVE		T. BTHO.	THE	FROM	10	COREC	(38)	ON CORE RECOVERT	Nr.	1000#	34ZE 1,5	SIZE S.P.M.	CREW	SOC. SEC. NO.			HRS.
	SINGLES O.P. I	rt, SZE	VEIGHT									100	DRILLE		A Char		8
NG ACTUAL	10. 00	UFG.	AIRC"-FEC	_		1		-	-		100		DRKMA	-	Tom SAN	dees	8
TOMING MUD ULATING	B.C.	I IIPE	PLTA CK.	DEMATION	DEPTH	OEV.	ривестом	10TH	DEV. DERECT	100 D	CPTH	DEV. DIRECT	MTRIAL		WX 14 5	, d dALL	8
LATING	LD. GA.	MOZZLE		RECORD	1 1				Maria Cara			22-7/7/2	PIREMA		WELLY	THE HULT	8
ATE RIG	STR. BOOY O.DO. STR.	size size	PH	PROM	LOS TO	THE DETAIL	LS OF OPERATIONS	M SEQUENCE AND REM	APES	150	1700		PLRMA				
ION SURVEY	STR. BOOT Q.D.	SER. NO.	CONT. X	12.00	5.15	54 0	LEANIN		٤.	the transfer	1356	8	× PLENA		70,73		
0.P. 9	BOOT G.G.	DEPTH IN	GRANIBIT	5:15	8:00	2 4 5	w a 66 ;	Ny 70	2370'	- Wa7	W R	1,5	PLENA	н	2000	0.00	1 2 5
GAINE	0.0	TOTAL FTG.	MAD & CHEMICAL & ADDRO			The last	1						1 1			1 155	1 2 2 2
106	MICHEL 4	TOTAL HE RUN	TIPE MIT. TYPE AND	+	- 4	- 40	- 70	12 12	4		- 11		- 1-				7.
1		COND. OF BIT		-		3 4 14 4 4		**					-1-			-	
100 M 60 CH 10 M	TOTAL	TEMETERS.				7					53.		- 1				
CASHC .		A REAMER TYPE	muss a Cleveland					4			100	4	NO. OF		ST LOST TIME ACCIDENT		
ON	DIRELING ASSEABLT	BIT RECORD	NUD RECORD	-	OOTAGE						PUMP NO					1 220	
TEM TEST	AT ENG OF TOUR		The state of the s	FROM		26.0 COMP	CSM	FORMATION OW CORE RECOVERY)	ROTARI	BIT PRESS	LINER		RUN .		The second secon	AH 4:00 P	-
		FT. 928	TIME	PRUM	-	COMPLE		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1000 //	SIZE 3.P	M. SEE S.P.M.		SOC. SEC. NO.	-		HRS.
	D.C.	W4.	VISCSEC	-	1 13.48				PLUT III		-		DRILLE				8
ERFORATING	10. 00.	TI. TYPE	W.LC.C.	-	- 53		-4 Det 2-	1000	Maria Co		100		IN DIRECT		A.K. Two	-105	8
UBING TRIPS	9.C.	100	FLTR, CK.	DEVIATION	DEPTH	DEV.	DIRECTION	DEPTH	DEV. DIRECT	пон о	EPTH .	DEY. DIRECT			J. Quelle	Analysis Francisco	8
WASSING 8	10. 00.	T. HOZZLE SZE		RECORD	0 4 1 35.0		1 CM	1		1-	T (Se)		r.(m		J. Laws	1	8
TESTING	STR. BOOY G.D.	T. SER. HO.	Coort, s	PROM	106	TIME DETAIL	LS OF OPERATION	IM SEQUENCE AND REL	ARKS CONTEST	F F' NA	WEN S	341	- I ruom				100
ADDITIONAL B	BOOT G.D.	DEPTH OUT	CHARLET	8:00	1:30	1 63	WARED	Halk + King	1 72 20 T	0 31 00	27 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		FLEW			4	
Time Panesary	SOOT O.D.	DEPTH IN		1:30	2.30	1. 14	e Warren	11- TO CA	VER Sull	yp.		-		1		110000	
IS OPPICE USE ONE.YT	O.D. BIT OR C.B.	TOTAL FTG.	TYPE ANT. TYPE ANY	2:30	2:45	14 For	SWAR!	23500	No mit	up 1	my 1	Tor:	-1-				9700
	BIORCE CO.	PT. TOTAL HR. RUM		7:45	3:45	14 14	12:110	10 B 3500	KHECK I	Hup.	-	>	-1-		1 19 17		
/DP	KELLY DOWN	FT. COMD. OF BYT		6.45	9.00	7 170	NSWAL	3500	NOPE	200.	Uny	HUN .	1			3 1 11 11 11	5.5
MDBY	TOTAL 7	TEMERIO.				100							- 1		1 12 12 15 1		- 2
		SS. REAMER TYPE	PRESENT FRANCE	100		VE day		660	Charles I		THE BUT		NO. OF	DAYS SINCE L	AST LOST TIME ACCIDENT	-	
	NO. DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	NUO RECORD	FO	DOTAGE	DR-D CORE		FORMATION	ROTARY	WT. OH PUMP	Pur H		METHOSE RUN		ENUNG TOURH; OO	· 12:00 ·	Р. М.
	STANDS D.P.	FT. MT HO.	100	PROM	10	DR-D CORE RM-R HO.	(SH	DW CORE RECOVERY)	RPA	SIT PRESS	LINER S.P	M. SIZE S.P.M.	AR EL CREW				HRS.
	SHIGHTS D.P.	FT. SIZE	with the second				1 10 0			21	1 3 -		DRILLI	ER .	2 9	10000	8
COLUMN TO THE REAL PROPERTY OF THE PERTY OF		MPG.	WSC-SEC		-		100	1215	25/10.1			1	DRKMA		Q Aui	16.	8
	LD, O.D. (FT. TIPE	er-cc		73.75			120		1			MTRMA	u .	10 1/1		8
WIRE LINE RECORD		HOEZLE HO.	R.H. CI	RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV. DIRECT	TOH D	EPTH	DEV. DIRECT	PIREM	AH	Rey So	a ull	8
WIRE LINE RECORD		MIS		The	LOS E	PLAPSED DETAIL	LS OF OPERATION	IN SEQUENCE AND REA	ARKS		1		PLRMA	и	21.7	er 1977/130	
MIRE LINE RECORD	10. 0.0. I		The state of the s	7.004	0.00	41 0		to 3500	o' n/.	. 0,	46. 1	Vatte	PLRIM			and the second	19
MIRE LINE RECORD	10. 0.0. 518. 5007 0.0. 178. 178. 0.0.	SER. HO.	88ut. x	11:00		1 17	and village	00 300	·uu	4 seu	ree 4	Jan 184	PLRMA	M -	6 3 6 3	3-32793	100
THE LINE RECORD LINES SIZE IPPED UT OPP	571. 1007 0.0. 171. 1007 0.0.	DEPTH OUT	CONT. S PRESSURE GRADIENT	4.00	0.00	100	/		The second second	/							
PIRE LINE RECORD D. LINES SEES D. LIPPED UT OFF	STA. BOUT G.D.	DEPTH OUT	PRESSURE GRADIENT			100	/						1		e elektrika	11, 22	1
WIRE LINE RECORD D. LINES SEES D. D. D. D. D. D. D. D. D. D	51h, 6007 0.b. 1 17h, 0.b. 1 1007 0.b. 1	DEPTH OUT T, DEPTH IN TT, DEPTH IN TOTAL FTG.	PRESSURE GRADIENT			100	4	Boile .	Reno	in rela	X /	Rani				. 23	
THE LINE RECORD D. LINES SIZE LIPPED UT OPF UT LENGTH GR TREPS GR TREPS	TIT. SOUT 9.B. STOR 9.B. SOUT 9.B. SOUT 9.B. SOUT 9.B. SOUT 9.B. SOUT 9.B.	DEPTH OUT TO DEPTH IN TOTAL FTG. TT, TOTAL HR, RUM		800		100	etinging	Boile .	Rus	ing sula	tu C	Rang				. =	
LIMES BIZE TO DE LIMES BIZE BIZE TO DE LIMES BIZE BIZE BIZE BIZE BIZE BIZE BIZE BIZE	5TA, 50,0 (5,0 (5,0 (5,0 (5,0 (5,0 (5,0 (5,	DEPTH OUT T, DEPTH IN TT, DEPTH IN TOTAL FTG.	PRESSURE GRADIENT			100	elinging	Boile .	Perp	ing sela	ta c	Charing.					



	4	+ 0 0 hal	1 30 66 21 1 WELL HO.	FIGLO OR DIS	T.	100	COUNTY :	14	STATE	1	1	DRILLING C	REV PAYROLL PATA		
duboro Oll	Co. RIG NO.	Laduboro C. 9 5			1		4	let			bec		agust 16	1010	100
AND THE PARTY OF T		DRILL PIPE TOOL STRING JOINT 6	N.B. PUMPS	STROKE	LAST	SIZE MAKE	WY, & GR. (NO. JOINTS	PEET RKB. TO CSG. HD.	SET AT	REMARI	KS	DATE L	100	no (& & Thislite!	Nº 630
HAMERICAN DRILL	a Con tel 7	TYPE THO.	NO. MANUFACTURER 1.	TYPE LENGTH	CASING	41	The Ref. of the second	According to	z zigater		S. S. S.	WELL HAME	Ladubor		
RE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONT	RACTOR'S TOOL PUSHER	2		OR LINER	* C/2 1	1		200			COMPANY_	Ladubor	o cures	
The 10. 7		The same of the sa	3. 10.000/16.000/16.000/16.000/16.000	DELEY DA			44					TOOL PUSHE	ER		RIG NO
DISTRIBUTION-HOSE	HO. DMILLING ASSEMBLY	BIT RECORD	AUD RECORD	FOOTAGE	TO CORE	CORE	FORMATION	ROTARY SIT	PRESS LINER	P NO. PU	MP NO. METHOD	100	MORN	HING TOUR 12 00 P.M. 8 00	O ALL
MORN DAY EVE	STANDS D.P. PT	BIT NO.	TIME	FROM	TO CORE	L.c HO.	(SHOW CORE RECOVERY)	RPM 1000#	PRESS LIMER	S.P. LINER	S.P.B. SOL.	CREV	SOC. SEC. NO.	HAME	HRS.
м .	SH9.65 0.P. FT	SYE	WEIGHT	4164	1 1 1 1 1					15		DRILLER		A ChevELANO	d 8
ACTUAL		MPG.	VISCSEC		-	A		8/			14	DRKMAN		TOM SANDERS	8
	I.B. Q.B.	TYPE	W.LC.C.				1		DEPTH	1	DIRECTION	MTRMAN &		W= H SIJJALL	8
HING HED		HOZZLE HO.	FLTR. CK.	RECORD	DEPTH	DEV. DIRECTION	DEPTH OF	V. DIRECTION	DEPIN	DEV.	DIRECTION	FIREMAN-		Wally Phenult	8
	177.	SIZE	PH	FROM TO	C.APSE	PETALLS OF OPERAT	OHS IN SEQUENCE AND REMARK	**	As a subse	1865	Barrier III	FLRMAN		The state of the second	The second second
1 86	STATE OF CHAPTER STATE	SER. NO.	SD. CONT. %	12:00	150 0 545		B. O.P.		200 A	iase.		FLRMAN		The second second	- 20
H BURYEY	8007 0.B. 71	DEPTH OUT	PRESSURE GRADIENT		30 7 1	Michier	bogging.	CARRYE	1000	775		FLRMAN		The state of the s	
LIKE	RM 0.0. FT	DRFTH IN	401000000000000000000000000000000000000		00 1/2	Parpar	i to Rus	Tubing	Ari Comment	**	40 - 1 -	-		100	1000
LIKE .	BTORCA PI	TOTAL FTG.	TYPE ANT, TYPE ANT.		1 323		100 m 110 m			7.5		1	1 1 5		4.34
					5 0			36	1 24			1			
	- KELLY DOWN	The state of the s		1.00	- 1			- 1000	THE STATE OF			-			
CASING TING	CONTAC PI	REMER NO.	mun 6 00 0 0		7.79	·				100		-			- 1 -
HIS OF THE PARTY		FEMER TIPE	mile a Pleveland	Francisco Const	1-2 February		6.13		200	12212		NO. OF DAYS		T LOST-TIME ACCIDENT	1000 Inc. 20
EW TEST	HO. DESELTED ASSESSED.Y	BIT RECORD	AUD RECORD	FOOTAGE		CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY WT. ON BIT 1000 #	PUMP PUME PRESS LINER		MP NO. METHOD	-	1	TOUR \$100 AM HID	
1		. SITHO.	Ties .	FROM	TO CORE	LC NO.	(SHOW CORE RECOVERT)	1000 #	\$12.0	S.P.M. SIZE	S.P. PARTEL.P	-Di	SOC. SEC. NO.	NAME	HRS.
2300 03 25 2	SHOLES D.P. P	i. sitt	YEIGHT			1			-			DRILLER		BEN FRANCE	8
RPORATING		MFG.	VIICIEC		1	1			4	7.1		DRKMAN		Like THOUSE	
SING TRIPS	D.C.	TYPE HO.	ar-cc	DEVIATION	DEPTH	DEV. DIRECTION	DEPTH DE	y. DIRECTION	DEPTH	DEV.	DIRECTION	MTRMAH		I QUELLIN	8
LEADING .	1 10 00	HOTTLE	FLTB, CL	RECORD	10 3	10 A A			The state of	3 603.0	1100	FIREMAN		J. LANDRY	8
STING	State Top P	NZE NZE	Barr. s	FROM TO	ELAPSEI TIME	DETAILS OF OPERAT	IONS IN SEQUENCE AND REMAR	KS .	M. Salar III	CONT.	BERTHAM	FLRMAN	1 1 1		
DITIONAL IN	178. 1007 0.0. F	SER. NO.	PRESSURE GRADIENT	R:00 2:	30 11/	PENES	Up & IFUN	#160	TERR	Whi.	47, -17	FLEMAN.	1	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 37 37
8	BUR. BODY G.S. F	L DEPTH IN	GRADIENT	2:30 45	00 11	TAIN	tore B	D.Pe:		4300		PLRMAN.			20 10 10 10
TIME SUMMARY (OFFICE ISS ONLY)	0.0.	TOTAL PTG.	TYPE ANT. TYPE ANT.			284	0.10	- 1	See Line	345-14	* - 15	W			
	BIT OR C.B. 9"	I.	TYPE MIT. TYPE AMT.		125					-	1 /12	7 7 7			
		CHARLEST PARCELLA		1000	200	T de la companya de l		AND DESCRIPTION OF THE PARTY OF	100 m			-			1000
	KELLY DOWN F	The second secon				-				941		1			
DBY	PT. OF STREET		MILLE BEN BENER		2 2 3				-	1000	3	HO. OF DAYS	SINCELA	AST LOST TIME ACCIDENT	- 100
	NO. DRILLING ASSEABLY	BIT RECORD	MUD RECORD	POOTAGE			PORMATION		Pu	MP NO. PU	MP NO. METHOD	14 P		HUNG TOUR 4'06 PM/2'0	20
	STANDS D.P. P	T. MT NO.	THE CONTRACTOR	FROM	TO CORE	CORE NO.	(SHOW CORE ESCOVEEN)	ROTAR* WT. ON BIT 1000#			R 1,P,K, SGL-5 AR'EL-P COM'D-C	CREW	SOC. SEC. NO.	_ HUME	HIRS.
		. WZE	VEGAT		N 15 1 18	Harry Various		E 18 18 18 18 18 18 18 18 18 18 18 18 18			COND-C	DRILLER	1	I De Graw	8
NA MORK	B.C.	art.	VISC-SEC		1.44				100	1339	200	DRKMAN		P Quille	8
VIRE LINE RECORD	1.D. O.D.	TYPE	NL-CC			THE RESERVE			1 156	THE PARTY DE		MTRMAH		Nulland	8
	D.C.	NO.	PLTR. CK	DEVIATION RECORD	DEPTH	DEV. DESECTION	DEPTH DE	W. DIRECTION	DEPTH	DEV.	DIRECTION	PIREMAN	1 1 8	Ban Semmille	
es site	1.0. 0.0. FT	. HOZZLE SIZE	PH	KELORO		Mar 9					10 -50	FLRMAN		May	
PED	515. 5007 0.0. F 110. 0.0. F	SER. NO.	Sher, x	Trace T	THE C	DETALLOF OF BA	OHS IN LEQUENCE AND REMA			11	-01.	FLENAN		Part of the latest the	Y SELVIN
orf	RMR. BOOY (0.0	DEPTH OUT	PRESSURE	1:00 7.3	10 32	san of	Change	Sep Zh	Silele	ed la	there	FLRMAN			S 100 1
LENGTH	SUBS O.D.	DEPTHIN		730 90	· 14	Duran !	of relation	to wash	gasi	and the					(B) (B)
R TRIPS ST CUT	SIT OR C.B.	TOTAL FTG.	TYPE ANT. TYPE ANT.	1	134 mag (2	y war.	a summer	- n	-	A 35		100		
VE	the second by	TOTAL HE. RUM		700 12:	0 3	Ringing	160 A 1.	1 West.	7. su	-1		1108			22
IVE ETRIPS TYPE D IVE SHEEL	SERVICE CONTRACTOR OF THE PROPERTY OF THE PARTY OF THE PA														

TOR		L.F.A.S.P.		3	- 1																
0 0 10	0 -	LEASE.	1131 4611	, WELL NO.	FIELD	OR DIST.			COUNTY				STATE	101	n		DRIVING	REW PAYROLL DAT	TA		
aduboro lle	RIG NO.	DRILL PIPE TOOL	I sprolet 1	/						1/2	cola			de		مـــ					
TH AMERICAN DRILL	/	STRING JOINT	O.D.	PUMPS		TROKE LA		SIZE	MAKE WT. & GR.	NO. JOINTS	FEET	CSG. HD.	SET AT		REMARK	\$	DATE da	gust 13	6 1	Throlate 1 N	° 6'
on Cotary dre	llers Can JTI 4	TYPE THD.	NO. MANUFACTURE			ENGTH CAS	ING.	- 7		_							WELL NAME	& NO adieb	no (JZ)	Sprolate	
URE OF OPERATOR'S REPRESENTATIV	E SIGNATURE OF CON	TRACTOR'S TOOL PUSHER	1. Halional	13	508 1	Z TUB OR L		1/8		7		2	36				COMPANY	Ladubo	no all	Co	
The w.			3.							,	1						TOOL PUSH	ER			_RIG NO
ME DISTRIBUTION HOURS	NO. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD		FOO	TAGE	DR.,D	CORE	FORMA	ION	R	OTARY BIT		PUMP NO.	PUM	P NO. METHOD		MO	RNING TOUR	"00 P.M. 8 00	A,M,
MORN DAY EVE		T. BIT NO.	TIME		FROM	то	RM. R CORE.,C	NO.	(SHOW CORE R	COVERY)		RPM 1000#	PRESS	SIZE S.P.M.	LINER	S.P.M. SGLS PAR'EL-I COM'D-C	CREW	SOC. SEC. NO.		NAME	HRS.
8 NWO	SINGLES D.P. F	T. SIZE	WEIGHT													1	DRILLER		AN	LEVELAND	8
IG ACTUAL	D.C.	MFG.	VISCSEC						***								DRKMAN	1.1		SANGERS	8
G	1.D. 0.D. F	T. TYPE	W.LC.C.			1							<u></u>				MTRMAN		WEF	1 S, ddAlih	8
ONING MUD	D.C.	NO.	FLTR. CK.		DEVIATION	DEPTH	DE	٧. ا	DIRECTION DEP	TH DI	EV. DI	RECTION	DEP	TH D	DEV.	DIRECTION	FIREMAN		WELL	y Phanul	8
	1,D. O.D. F	T. NOZZLE SIZE	PH		TIME	LOG EL	LAPSED I										FLRMAN			/	
RIG	BODY O.D. F	T. SER. NO.	SD. CONT. %			TO	TIME		OF OPERATIONS IN SEQUEN				,-	·~~			FLRMAN				
SURVEY	BODY O.D. F	T. DEPTH OUT	PRESSURE GRADIENT		12.00			AK	NOUE Hye	rible	4 17-1	MERO	N /-	2, 0,14,3	5		FLRMAN	1			
	BODY O.D. F	DEPTH IN				5/ 00	5										1				
LINE	0.D. F	T. TOTAL FTG.	TYPE AMT. T	PE AMT.		8.00	8										1				
G		T, TOTAL HR. RUN			-												1				
		T, COND. OF BIT	4 6																		
		T. REAMER NO.	3 14																		
CASING TING		S. REAMER TYPE	DRILLER / Cleve	Hung						7 3011111			*	****			NO. OF DAYS	SINCE LA	AST LOST TIME AC	CIDENT	
ЭН 3	NO. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD		FOI	TAGE	DR_D		FORMA	TON		ROTARY WT. ON	T I	PUMP NO.	PUM	P NO. METHOE		DA	Y TOUR G:00	2 AM4100	PM
EM TEST	Park.	T. BIT NO.	TIME		FROM	то		NO.	(SHOW CORE R	ECOYERY)	R	RPM 1000#	PUMP	LINER S.P.M.	LINER	S.P.M. SGL-S PAR'EL-I COM'D-G	CREW	SOC. SEC. NO.		NAME	HRS.
		T. SIZE	WEIGHT											JIZE	JIZE	COM-D-C	DRILLER				8
	D.C.	MFG.	VISCSEC					7									DRKMAN		JAEN.	TURNACH	
RFORATING	1,D. 0.D.	T. TYPE	W.LC.C.														MTRMAN		1 1	VE HAN	0808
BING TRIPS	D.C.	NO.	FLTR, CK,		DEVIATION	DEPTH	DE	٧.	DIRECTION DEP	rH DI	EV. D	RECTION	DEF	TH D	ev.	DIRECTION	FIREMAN		4.5	VEZZIN	8
ABBING		T. NOZZLE SIZE	PH		RECORD	1											FLRMAN		J.A.	DUERY	0
ESTING		SER, NO.	SD. CONT. %		FROM	TO EL			OF OPERATIONS IN SEQUE	CE AND REMA	ARKS			-		41.00	FLRMAN				-
DITIONAL	STB. BODY O.D. RMR.	T. DEPTH OUT	PRESSURE GRADIENT		8:00	4:00	8	11	0.0.			-					FLRMAN-				
TIME STRAMARY	BODY O.D.	T. DEPTH IN	GRAVIENT						1		.11	/ . /		5			0			-	
TIME SUMMARY (OFFICE USE ONLY)		T. TOTAL FTG.	MUD & CHEMICALS A	DDED				_/	miladi	Up	WEL	HED	Di							P. 31	+
		T. TOTAL HR. RUN	TYPE AMI, IT	PE AMI.					Vippline []	111	14	,					-				+
		T. COND. OF BIT								EME	× - 1	2066	1116	*			1				-
DP		T. REAMER NO.									-						1				-
NDBY		SS. REAMER TYPE	DRILLER BEN TO	Talk nal				-1-4"				-	<				NO. OF DAYS	SINCE L	LAST LOST TIME A	CCIDENT	
	NO. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD		FO	OTAGE	DR-D				1	ROTARY WT. ON	T	PUMP NO.	PUM	P NO. METHOR				P.M. 12:00	
	STANDS D.P.	T. BIT NO.	TIME		FROM	то	CORE_C	NO.	FORMA (SHOW CORE R			RPM BIT	PUMP			S.P.M. SGL- S PAR'EL- COM'D-C	CREW	SOC. SEC. NO		NAME	HRS.
		T. SIZE	WEIGHT					id	1100			1		SIZE	SIZE	COM*D-C	DRILLER	JOC. JEC. NO	12/	A ST	Cir.
AY WORK	D.C.	MFG.						F									DRKMAN		15	La Stray	- X
WIRE LINE RECORD	I.D. O.D.	T. TYPE	VISC.~SEC W.L.~C.C.						-13-4								÷		1 1	della	- Xs
WIRE LINE RECORD	D,C,	NO.	FLTR. CK		DEVIATION	DEPTH	DE	٧.	DIRECTION DEP	TH. D	EV. D	PIRECTION	DEF	TH D	DEV.	DIRECTION	FIREMAN		1) 14	Jana .	2
		T. NOZZLE SIZE	PH		RECORD				-								FLRMAN		700	A	4 ×
NES SIZE	STB. BODY O.D.	T. SER. NO.	SD CONT. %	-	FROM			DETAILS	OF OPERATIONS IN SEQUE	ICE AND REMA	ARKS						FLRMAN		-		+
T OFF	1 2001	7.	PRESSURE GRADIENT		4:00	12:00	8	01/00	ex Longs	1 1							FLRMAN				+
LENGTH	RMR. BODY O.D.	T. DEPTH OUT.	GKADIENT	2 2				-	11	0							1				+
DR TRIPS		TOTAL ETC	MUQ & CHEMICALS A	DDED				ني دال	taller &	0.9											+
TIVE PR TRIPS		TOTAL UP BIN	TYPE AMT. TY	PE AMT,					-							-					+
R TRIPS AYS JD		T. COND. OF BIT						-			-							- 180			+
10																		1 1 1			
VE HRS.	1	T. REAMER NO.				-		0.0			1								R		









Nº 1 6298	4	0	0	1													
OPERATOR	DAILY DR	ILLING REPORT	REPORT NO. 5	O DATE 8-14-63													
Laduboro (Q)	o jo		Laduboro (IS	Mule # 1 VOLL	NO. FIELD OR D	NST.		COUNTY	Nicole	<i>t</i>	STATE	£	nebec		CREW PAYROLL DATA		
CONTRACTOR		RIG HD.	DRILL PIPE TOOL STRING JOINT	O.D. PUMPS	•		SIZE	MAKE WT. & GR.	NO. FE	ET RKB. TO	SET AT		EMARKS	DATE	Lugust	14-1963	1 9 629
NORTH AMERICAN DRI	LLIN	G GOMPANY	NO. SIZE TYPE THO.	NO. MANUFACTURER	TYPE STROI	KE LAST TH CASING								WELL NAM	WE & NO. L. Ruba	on CSS Theolet +1	. 023
SIGNATURE OF OPERATOR'S REPRESENT	ATIVE	SIGNATURE OF CON	TRACTOR'S TOOL PUSHER	1. Mational	1508 12	TUBING	938		1		234			COMPANY	Ladubor	e cel co -	
Theo w-	_	0	* _	2 1	1	OR LINER	1/3				7.74	-		TOOL PUS			RIG NO.
TIME DISTRIBUTION TOUS	1	IO. DRILLING ASSEMBLY	BIT RECORD	AUD RECORD	FOOTA	GF DR.	-			ler.	5k	PUMP NO.	PUMP NO. MET			BNG TOUR 12:00 P.M. 8.00	-
MORH DAY EVE	# II—		T, BIT NO.	TIME TIME	FROM	TO CORE	R CORE	FÖRMAT (SHOW CORE RE	ION COVERY)	ROTARY BIT	PUMP PRESS LIN	ER COM	PUMP NO. MET RI LIHER S.P.M. PAR SIZE COM	UN CREW	SOC. SEC. NO.	MAME	HRS.
RIG UP & TEAR DOWN	' ∦ ⊩		T. SIZE	WEIGHT	FROM	10 00	1		***************************************		5		SIZE COS	DRILLER	SUC. SEC. NO.		8
DRILLING ACTUAL	┨┠	D.C.	MFG.		_		1					2		DRILLER DRKMAN		TOM SANJERS	
EAMING	11	1.D. O.D. F	T. TYPE	VISCSEC W.LC.C.										HTRHAN		wm H S, ddal	
DINDITIONING MUD	┨┠	D.C.	- NO.	FLTR. CK.	DEVIATION	DEPTH	DEV.	DIRECTION DEP	H DEY.	DIRECTION	DEPTH	DE DE	V. DIRECTION				
	┨"┠	I.D. O.D. F	T, NOZZLE	PH PH	RECORD											WELLEY PARMET	-
RIPS UBRICATE RIG	副	STB. BODY O.D. F	T. SIZE	SD. CONT. %	FROM FROM	TO ELAPSE	DETAIL	S OF OPERATIONS IN SEQUEN	CE AND REMARKS					FLRMAN			
EVIATION SURVEY	1 <u>\$</u> L	STB. BODY O.D. F	SER. NO. T. DEPTH OUT	CONT. % PRESSURE GRADIENT	12:00 8	00 8	Wa	it on Com	ent the	ed.	,	2		FLRMAN			
EST B.O.P.	3	SODY O.D. F		GRADIENT			Ca	mulate / Vole	· Check	mud w	1 Lace	h he.		PLEMAN			
CUT OFF DRILLING UNE	1 1	SUBS O.D. P		MUD & CHEMICALS ADDED TYPE AAT, TYPE AM			N	loved Csq	4 1 6	1 400 1	9 11.			_ 1			
REPAIR RIG	11-	BIT OR C.B.	la e	TYPE AMT. TYPE AM	τ.		_						10	_ i		-	
CORING	1 F		<u>"</u>			_	+-							- ;			
NRE LINE LOGGING	1 1-	KELLY DOWN F	-			_								- 1 -			
RUNNING CASING	1 L	TOTAL F	T. REAMER NO.	DRILLER G Cleveland			-							NO. OF DAT	W CINCE I AC	T LOST TIME ACCIDENT	
WAITING ON CEMENT	-			Comma		1				Т. Т.	T	PUMP NO.	PUMP NO. MET				
DRILL STEM TEST	1 1	AT END OF TOUR	BIT RECORD	MUD RECORD	FOOTA	84	LR NO.	FORMAT	TON ECOVERY)	ROTARY WT. C			LINER S.P.M. PAR	una "		TOUR BIED AM 4:00	
OTHER	1 1		T. BIT NO.	TIME 8:00 12:00 3:3	Ø FROM	TO CORE				1900	⁴ S1	ZE S.P.M.	SIZE S.P.A. CO		SOC. SEC. NO.	NAME	HRS.
FISHING	1 -	SINGLES D.P. F	T. SIZE	WEIGHT U. 6 U.L U.L			-							DRILLER		BUN DENSON	16
A PERFORATING		I.D. O.D. F	MFG. TYPE	VISCSEC 39 38 38			+				1-1					L. Trongs	18
B. TUBING YRIPS	1 1	D,C,	TYPE NO.	W.LC.C.	DEVIATION	DEPTH	DEV.	DIRECTION DEP	H DEV.	DIRECTION	DEPT	H DE	V. DIRECTION	MTRMAN		J. CHERRY	11.
C. SWABBING		1.0, 0.D. F	HOZZLE	FLTR. CK.	RECORD									FIRMAN		1. KAMBRY	
D. TESTING		STB. BODY O.D. F	SIZE	PH SONY, %	TIME LOG	TO TIME	QE IAIL	LS OF OPERATIONS IN SEQUEN	CE AND REMARKS	and the same	- · O	WERK FR	24.	FLRMAN			
E. ADDITIONAL	13[STB. BODY O.D. F RMR.		PRESSURE GRADIENT	8:00		CIA	VED CASING	Manuel.	ON Cree	CNI T	FUCK		FLRMAN			
TOTALS		RMR. BOOY O.D.		GRAIRENT	4.	Di 8	Mo	WAD CASING	3'0 8	CO AL	1. 12:	ar Pag	P'	At PERMAN			
TIME SUMMARY (OFFICE USE CHLY)	11	O,D,	T. TOTH ETC	MUD & CHEMICALS ADDED TYPE AMT. TYPE AM										-1			
DAY WORK	4 ⊩		т.			2 1	- 22							-1			
HRS. W/DP	4 ⊩			Guro e Trecho Tos	-									- ;			-
HRS. WO/DP	l ⊩	KELLY DOWN F	T. COND. OF BIT														
HRS. STANDBY	- I I.,		BS. REAMER TYPE	DRILLER TO A STORY							-			NO. OF DA	YS. SINCE LA	ST LOST TIME ACCIDENT	
	N N	O. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	FOOTA	GE ne	-0 CORE	FORMA*	2001		Au	PUMP NO.	PUMP HO. ME	THOO		HING TOUR 4/00 P.W 2:00	- Р. И.
	+	AT END OF TOUR	FT. BIT NO.	TIME Way	FROM	TO CORE	LR NO.	(SHOW CORE R	ECOVERY)	ROTARY WT.	T PRESS LI	NER S.P.M.	LINER S.P.M. PAR	CREW	SOC. SEC. NO.	NAME	HRS.
	1 1		T. SIZE	WEIGHT // 4	11/64		7				,	IZE .	MZE . CO	DRILLER	BOC. SEC. NO.	2/ 9	Price.
TOTAL DAY FORK	11	D.C.	MFG.	VISC. SEC 3 8	7.0									DRKMAN		DE MAN	Š.
VIRE LINE RECORD	11	1.D. 0.D. F	MFG. TYPE	WALLEC.										MTRMAN		A Station	8 -
REEL NO.	1 1	D.C.	HO.	FLTR. CK	DEVIATION	DEPTH	DEV.	DIRECTION DEP	TH DEV.	DIRECTION	DEPT	H DE	V. DIRECTIO		1 1 1	Ren Same	
40. OF LINES SIZE	IIL	1.D. O.D. F	T. HOZZLE SIZE	PH	RECORD						Γ_{-}			FLRMAN		May do , were	8
FRET SLIPPED	H	STB. BODY O.D. F		88hr. s	FROM TIME LOC	TO ELAPSE	DETAI	LS OF OPERATIONS IN SEQUE						FI DHAN			- - -
FEET CUT OFF	I Ž	STB. O.D. P RMR. BODY O.D. F SUBS O.D. F	T. DEPTH OUT	PRESSURE GRADIENT	4:00 8:	00 4h	100	Ciny Trucks	out of n	ud De	thing	up Ce	mes + truck	FLRMAN			
PRESENT LENGTH	11	BODY 0.0, F	T. DEDTH IN	VANUER 1		4.1	1624	Loading Com	ent	./ 2			7/				
TON ML OR TRIPS SINCE LAST CUT	1 1-		TOTAL FTG	MUD & CHEMICALS ADDED	- 800 XO	2/2	1/2	Jung Come	X 4000	The King	t Jac	media	of the	- †-			
CLIMITATIVE TON ML OR TRIPS	1 1-	BIT OR C.B. F	TOTAL HR. RUN	THE ME. THE M		_	di	Steph	01	000				-1-		1	
NO. OF DAYS FROM SPUD	1 H	KELLY DOWN F	COND. OF BIT		10:00 12	:00	100		cy. # .	ha. 1	17	1 /11	2.0	-			
CUMULATIVE ROTATING HRS.	1 1		T. REAMER NO.		1000		1000	ing up a	July	nedy	4 4	page 1	200				
	1 .		BS. REAMER TYPE	DRILLER & Flores					-					HO. OF DA	YSSINCE LAS	ST LOST TIME ACCIDENT	1500
•		-		7	F 1 F 1												(A)







THE RESERVE TO THE RE		10. 1	1 10 1	WELL IS	0 000	OR DEST.		7	COUNTY			1	-		- 12			
eluboro (aleo	Laduboro (.	Ny Sprolett	/	FIRE	VK USI.		4	COURT	mis	let	STATE	Du	ebec	DRILLING	CREW PAYROLL DAT	A	
	861	STRING JOINT	0.0.	PUMPS				ZE MAKE	WT. E.GR.	ACCOUNTS	PEET SKS. TO CSG. HD.	SET AT		Bulls	DATE		3-1963	Nº 6
~ Rotary Dul	les Con Ital 7	HO. HZE TYPE THD.	NO. MANUFACTUR			LENGTH CAS	ING		- 6	1 3 5	100		201		WELL HAN	HE & HOTELAND	no P.S Speciety	0
POPERATOR'S REPRESENTATIVE	SIGNATURE OF	CONTRACTOR'S TOOL PUSHER	2 fational	/	503	/2 TUE		11.5	100	3			Train -	17.75	COMPANY	Ladub	no alla	
6.20	2/		1	2.000	34.0		95	*	LALL.	7	Xallan	134			TOOL PUS	SHER		RIG NO
ISTRIBUTCH_BOOKS	HO. DRILLING ASSEMBLY	BIT RECORD	AUD RECORD		PO	DOTAGE	08.0		PORMAT	VOH.	ROTARY BIT	ок виме	PUMP NO.	PUMP NO. MET	HOD		MING TOUR 12 00 P.M. 8	00 AN
MORN DAT EVE	STANDS D.P.	PT. DIT HO.	THE	7	FROM	10	CONSC		CHOA COLE NE	COVERT	RPM 1000	PRESS U	INER S.P.M.	PUMP HO, RI	CREW	SOC. SEC. NO.		HRS.
	SHOLES D.P.	PT. SEE	POORT	1-1-2-6	4144	2 27					TANK T	1		12	DRILLER		ACKEVEHAND	/K
TUAL	D.C.	MPG.	VISCSEC	21 1.31	1. 17	The same		1				100	- 34	Day 17 1	DRKMAN		Tom SANDERS	16
	1.0. 0.0. D.C.	FT. TYPE	V.LCC	10-				1 8	-	-		1 2			MTRHAN	1 1 1	WmH Siddal	1 16
G MUD	LD. O.B.	PT. HOILE HO.	FLTR. CK.		PEVIATION	DEPTH	DEV.	ривстон	DEPT	H DEV.	DIRECTION	DEPT	TH' DEV	V. DIRECTION	FIREMAN	. For	WELLY Rhead	17/2
# 3 a		PT. MILLE SIZE	PH .		PROM	LOG TO	LAPSED					1	-	-	FLRMAN			
9	578. 8007 0.B. 578.	507. NO.	CONT. %	P. C.	12:00	1:15 1		BEEAK		D. S.T.			1		FLEWAR	1 2/10		
SAEA P	BODY O.B.	DEPTH OUT	GRADIENT	1		3.30						CTRA	Doch	18.0-	FLEMAN	1/1	EXTRA Haby	To
7	9.0	PT. DEPTH M				8:00		Reula			. M. I	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			- 1		Law Down Der	11
	MT OR C.B.	FT. TOTAL FTG.	TOPE MT.	TYPE MIT.	1000	(1) Park	1			- 1	-	1	100	The state of	-1	1	4 Colleges - Stort	To Russ
		FT. TOTAL HR. BUN			100		-				Drill po	or sta	2mp 41	63.12	31	1/	STATE OF THE STATE	
	RELLY DOWN	PT. COMO. OF SET			1			4.3	56	-	Tolky	Board	41	164	11			17. 4. 14.
4	TOTAL	PT. REAGER HO.	DRLLER	-/-	1	77.45						4 1 1 1			1		Mark at the same of	100
	WT.OF STEING	LBS. REAMER TYPE		No. Asset		200				11-12	-				HO. OF DAY	rs SINCE LA	ST LOST TIME ACCIDENT	
C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NO. DRILLING ASSEMBLY		NUO RECOR	D		OUTAGE	RM_R CORE_C	RE	FORMAT (SHOW CORE RE	IOH T	ROTARY ST.	*	PUMP HD.	PUMP NO. NET	HOD	DAY	TOUR 8:00 AM 4:00	P.N
1/4	STANDS D.P.	PT. ST NO.	THE 8:00	12	PROM	10	CORE_C		Cancer Course and	KAPTEKT)	EPN 1885	A PRESE !	1.P.A.	SEE LF.M. PAR		SOC SEC. NO.		HRS.
	SHOLES D.P.	PT. BEEF	VEIGHT ILE	.1	120.9	ent the co	1			11.15		- 1			DRILLER		Bru Bruss	16
nee .	CD. D.A.	III.	WSC-SEC		-	- HW		3 6	-			- 1		1 - 5	DRKMAN	+	L. K. THorns	10
rkips	D.C.	FT. TIPE	FLTR. CX.		DEVIATION	DEPTH	DEV.	DIRECTION	DEPT	H DEV.	DIRECTION	DEP	TH DEY	. DIRECTION	MTRMAN	/29	J. Grethe	16
Maria de la compansa del compansa de la compansa del compansa de la compansa de l	LA DA	FT. HOZZLE SIZE	PH PH		RECORD		TO TO	1			29.00		Sept City		FIREMAN	1-11	J. Londay	10
E	STR. SCOT 0.8.	FT. SER. NO.	80. COMT. N		FROM	TO EL	TIME DE	ETALS OF OPERA	FIGHS IN SEQUEN	CE AND REMARKS	1. 1. 18 cm	Same of	No.	Lands a	FLRMAN		Ex: Help Kunnist	
ML 3	NOOT O.B.	PT. DEPTH OUT	PRESSURE GRADIENT		200	9:00 1	6	FRING	Frany 3	cher	Down Z	will by	DF:	V. 1	FLRMAN-	1 2	CASINE	
E SUMMARY CE USE ONLY)	SCOT O.D.	PT. DEPTH IN	The state of the s	1-1-1	9,00	12:00	3 14 1	W/DA	11/12/	be 6 1	Por 18	1.13.1		100	- 1		7,577	
EE USE OHLY)	BIT OR C.B.	FT. TOTAL FTG.	TYPE AMT,	ADDED	17.00	The second of	2	Hint	From)	170 1	Port Cos	WING !	15.43	118	-:			1 1000
	BIT OR CAL	FT. TOTAL HR. HIM	The American	200	100	7.00	2 1	IVANIN	CIL	11-10	NUMBER	1 1	1016		-1	, 3		77
	KELLY DOWN	PT. COHO. OF MT		100		400	it.	400 44	7.	11/11/1	1 CHYNNE	2 (1/2)	1300	100	- 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	TOTAL AND A	PT. SEAMER NO. 1	0. 15,30% [3.4]		10000		100					100	Co. 45	7. B. P. July		1	President Company	- F.G.
	WT. OPSTRING	LES. REAMER TYPE	DELLER FRONT	Zens		and a de	State Bar		1	200		. 1	Entrara	A SECURITY	NO. OF DA	YS SINCE L	AST LOST TIME ACCIDENT	200
	NO. DRILLING ASSEMBLY	BIT RECORD	AUD RECOR	6	FC	DOTAGE	DE-D COR		FORMAT	ION	ROTARY WT.	OH PUMP	PUMP HQ.	PUMP NO. MET	HOD .	EV	ENING TOURY:00 P.W2:0	D PH
	STANDS D.P.	FT: BIT NO.	TIME	1. 6	PROM	10	CORE_C 140		(SHOW CORE RE	COVERY)	ROTAR WT.	PRESS	SEE S.P.M.	LIMER S.P.A. PAR	CREW	SOC. SEC. NO.		HRS.
	SINGLES D.P.	FT. SIZE	WEIGHT	4	4164	2 30	13	*		T. T.	THE PERSON	4	57		ORILLER	1 20	289. 9.	-12
x 300		MFG.	VISCSEC	m 83.	1 1	- CONT	1	18	100	4 5	100	181	0.00		DRKMAN		DA TOP	1/2
LINE RECORD	1,D, 0,D,	PT. TIPE	WLCC		1	4	DEV.	DIRECTION	DEPT		ривестон		- L		HTRHAN		6 Willed	11-
g	10. 00	PT. HOZZLE	FLTR. CK	0.0	DEVIATION	DEPTH	DEV.	DIRECTION	DEPT	m Dev.	DIRECTION	0871	TH DEV	V. DIRECTION	FIREMAN	3	Hay Sement	10
MIN D	STR. BOOT O.D.	uze uze	- PH	100	The Tax	100	THE DE	THE OF OPERA	TICHS IN SEQUEN	CE AND REMARKS	1000	STEEL .	- 22.50		FLRMAN		4	
	STR. O.D.	FE. SER. HO.	Ber. x		4:00	930 3	SKAR	Tem	ing A	13.0	die	77	5 916	V 2 17 + 3	FLRMAN			- 4
m s	85AL 9.9.	PT. DEPTH OUT	GRADIENT		I St. Santa	THE PARTY OF	100				1	2442	10 - 22 - 1	Eller II	PERMAN		- 1/	4 10
an 21	WH , O.D.	PT. DEPTH IN	TYPE AMT,	A0000	7:30	10.45	TO X	eRig	un +	nup	plui, 1	up	(100)	12 377	_15	E	eta Hocken	
P3	BIT OR C.B.	PT. TOTAL HR. RUN	TIPE MAT.	TPE MT.	1070	15:00 1	200		7	2863	Maria Maria	1	20.00			0	of free	-
	KELLY DOWN	FT. COND. OF MT		100	1.40	12:00 L	- 0	u x	ele	100	102011111111		914	The state of				100
Commence of the Commence of th	TOTAL	FT. REAMER NO.	5/0		1	911 / 173			APPROVED TO	1		100 Car. 1			-	+ + +	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-
CONTRACTOR OF THE PARTY OF																		

/ .	11	USS OF THE WELL	NO. FIELD OR DIST.		COUNTY	STATE		- 1		7.00	
eo RIG NO.	Ladubor Cd	Thislet + 1	MC. PIELDOR MSI.		Mice.	def !	duber		CREW PAYROLL DATA		
Committee of the commit	STRING JOINT	O.B.	STORE		MAKE WT. & GR. HO. FEET	CSG. HD. SET AT	REMARKS	PATE CL	ugust 12	7963	Nº 62
a Can Ith 7	TYPE THO.		TENGTH L	CASING			de tentre file i en la	WELL HAME	e y abubar	o Bandett	
SIGNATURE OF CORT	RACTOR'S TOOL PUSHER	2 Mattenas	1500 12	TUBING OR LINER			14.38	COMPANY	laduboro	Curco	1
		1		8		2830		TOOL PUSH	ier		MIG NO.
and the state of	BIT RECORD	MUD RECORD	FOOTAGE	DR.O' CORE	FORMATION	ROTARY BIT PUMP	PUMP HO. PUMP NO. METH	0D	MORE	инс тошя <u>12 00 р.н. 8 о</u>	O AM
				COREC	CHON CORE RECOVERY	1000 PRESS	HER S.F.M. SHZE S.P.M. PARTY	CREW	SOC. SEC. NO.	NAME	HRS.
SINGLES D.P. FT			4164	18 3				DRILLER	1		8
10. 0.0. F								14		Ton SANdERS	8
D.C.	NO.		DEVIATION DEPT	H DEV.	DIRECTION DEPTH DEV.	DERECTION DE	PTH DEV. DIRECTION	11	1	WELT SIDORLA	8
LD. O.D. FT	T. HOZZLE		RECORD	130 E 1 1						WELLY THE AUL!	8
878. 800Y O.D. FT		100	FROM TO			(1) 2 (4) (4)	All the second	16			
800Y O.D. F1	I. DEPTH OUT		12:00 1.15	14 Pi	Gings Making up T	Est Took		42			
900Y 0.0. F7	DEPTH IN		2:1-10:00	2 K4	w in Hoha w/ D	57. # 3		- 1			F 2. F
0.5	TOTAL PTG.	TYPE AMT. TYPE AM		24 W	Tor Vay hight			8	1'	FIGURE - TOURS	28 F 154 D
	T. TOTAL HR. RUN		1 00 00	1/2 P	Abian DST.		to a second second	1			200
# KELLY DOWN ET	T. COND. OF BIT		1 / Sale					4			1 25
TOTAL 91	REAMER NO.	50 0	234	13		1.6	Service Control of the				-
		Cleveland						NO. OF DAYS	SINCE LAS	T LOST TIME ACCIDENT	
	BIT RECORD	The state of the s		DR_D CORE	FORMATION #16:	ROTARY WE, OH PUMP	PUMP NO. PUMP NO. METH	OD .	DAY	TOUR 8:00 AN X'O	O PM
	77	Tum 8:00 3:30			(SHOW COKE RECOVERT)	1000 V PRESS	SIZE S.P.A. SIZE S.P.A. PARE		SOC. SEC. NO.	HAME	HRS.
SINGLES D.P. PT	0.74	VEIGHT 12.2 12.1	4169	1		2 2 2		10		Dan Dorsal	8
1.0. 0.0. FT	100 /00	VISCSEC #0 40						-		Like I Norms	8
D.C.	100.		DEVIATION DEPT	TH DEV.	BRECTION DEPTH DEV.	DIRECTION DE	PTH DEV. DIRECTION	14	44		8
12 10. 0.D. 306 PT	Y. HOZZLE SIZE		RECORD			and the last	The second second		1 2	N. FrANDRY	8
BODY O.D.	T. SER. HO.	CONT. S		THE DETAIL	S OF OPERATIONS IN SEQUENCE AND REMARKS	Ally From	O. He down	pla .	1		
BODY TO.D. 2 PT	I. PEPTH OUT	PRESSURE GRADIENT	8,00 9.00					FLRMAN.	1	New York Control of the Control of t	
1900 V.D.	T. DEPTH IN		10:16 11:15	4 62	CONTRACT TOO	nega Seren	RAPIAMAN	- 6	-	Na Haya Word Hotel	We 1 12 5
BIT DR C.R. FT	Τ.	TYPE ANT. TYPE AN	11:15 2:00	2 1 77	TOWN O WAY TONO	MENTALN NO	Le:	1		The second second	
P. Committee of the com		10 SOUNGER									
			3:30 4:00	1/2 51	SATED OUT OF Note	70 0.5	Ti	- 1			
TOTAL 9/64 FT		D01100 1 1 1 1 1 1			7.7	8 197	# #	-1-			
DRILLING ASSEMBLY			FOOTAGE			1 1 1	PIER US DELIVE US METHE				
				RM-R MO.	FORMATION (SHOW CORE RECOVERY)	ROTARY WT. ON PRES	LINER LINER LEL			MING TOUR TOUR P.M.	
			56775- 5		The second second	1000	SIZE SIZE COM'S	CREW	SOC. SEC. HO.	MANE GI	HES
D.C.				1 a 100				2	1	A Marau	8
		WLCC.	The second					- 2		of Spiller	8
09/	HO.	FLTR. CK		M DEV.	DIRECTION DEPTH DEV.	DIRECTION DE	PTH DEV. DIRECTION	FIREMAN	2 3	D Same	2 0
7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4172	PH	Their LOG	BLAFEED DOTAIN	The second second second			PLRMAN	8 8 3	The state of the s	- P. C.
STR. 0.D. RT	THE NO.		4:00 8:20		04 W81 HH	3 1 42 128 3 co		PLRMAN	200		7 400
	DEPTH OUT	GRADIENT -	0.20	- way	TO WAY. HH	312	Charles and the second	PLRMAN			1000
RM. DO FT								- E			- Table 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
STA O.D. RT RUM. RUM. 9.0 PT	DEPTH IN	MIG & CHEMICALS ADDED	8 20 10 00	1 40 76	Usia	State of the state of		4.			1000
DIT OR C.B. FT	DEPTH IN TOTAL FTG.	MUD & CHEMICAL'S ADDED	8 20 10:00	190 te	lising						
NWS 0.0. FT	L DEPTH IN T. TOTAL FTG. TOTAL HR. REIM	MIND & CHEMICAL'S ADDED	8 20 10:00	2 h &	ulling test took	7					
	NO. DRILLING ASSEMBLY NO. DRILLING ASSEMBLY STAMES D.P. P BRIGES D.P. P BOOT O.D. F STA. SOON O.D. P STA. SOON O.D. P BOOT O.D. P STAMES D.P. P KELLY DOWN TOTAL STAMES D.P. P STAMES D.P. P BRIGES D.P. P	ING. COMPANY ING. SIEST TYPE THE. SIGNATURE OF CONTRACTOR'S TOOL PURHER SIGNATURE OF CONTRACTOR'S TOOL PURHER NO. DRILLING ASSEMBLY STRANG D.P. FT. SIZE D.C. STRANG D.P. FT. SIZE D.C. STRANG D.P. FT. SIZE D.C. STRANG D.P. FT. SIZE S	ING COMPANY SIGNATURE OF CONTRACTOR'S TOOL PURSUER 1. SIGNATURE OF	NO. ORILLING ASSEMBLY SEE STEE STORE OF CONTRACTOR'S TOOL PURSUES 1.	INC. COMPANY	INCOMPANY IN THE TYPE TO. INCOMPANY IN THE TYPE TO. INCOMPANY INTERESTOR TOOL PROBERT I. LOCATE ASSESSMENT INTERESTOR TOOL PROBERT III LOCATE ASSESSMENT INTERESTOR TOO	NO. COLDED N.	DESCRIPTION DESCRIPTION	NO. COMPANY		NO CONTROL THE TOTAL THE STATE THE



TOR																	
		LEASE	DATE 8-11-63				10.000										
aduboro Cu	l Co	Laduboro (& 4	Thiolet #11 WELL N	D. FIELD	OR DIST.		COON	The	alet		STATE	2ve	ber		REW PAYROLL DATA		
ACTOR	RIG NO.	DRILL PIPE TOOL STRING JOINT	O.D. PUMPS			SIZE	MAKE WT. &	R. JOINTS	PEET	RKB. TO SET	TAT	REM	ARKS	DATE (ugust 11	1963	Nº 62
TH AMERICAN DRI	LLING.COMPANY 4	ND. SIZE	NO. MANUFACTURER	TYPE	STROKE LAST LENGTH CARNE			1500.00						WELL HAME	a no adabor	to C. S. S. The west !	• • 04
URE OF OPERATOR'S REPRESENTA	SIGNATURE OF COI	TYPE THD.	1. Hational 1		/2 CASING				1 1					COMPANY	Tadubo	ro celes	
			2. [OR LINER	0.4		1	A								
Theo. W.	T. A		1.			9/8		17	1	230				TOOL PUSHE			RIG MO
ME DISTRIBUTION-HOURS	HD. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	FC	OTAGE DR	CORE	FOR	MATION	ROTA				PUMP NO. METHOD RUN	1	MORK	HING TOUR 1200 P.M. 8:00	2_A.M.
MORN DAY EVE		T, MT NO.	THE	FROM	TO CORE	.c No.	(SHOW COI	E RECOVERY)	RF	1800# PE	RESS LINER SIZE	S.P.M. LI	HER S.P.M. SGLS	CREW	SOC. SEC. NO.	NAME	HRS.
WH .	SINGLES D.P.	T. SZE	ARICHA	4164	-									DRILLER		A ChEVELANd	8
ACTUAL	B.C.	MFG.	VISCSEC				-						L	DRKMAN		Tom SANdERS	8
	I.D. Q.D.	TYPE	V.LC.C.	L										MTRMAN		WIEH SINANLL	8
INING MUD	D.C.	HO.	PLTR. CX.	DEVIATION	DEPTH	DEV.	DIRECTION	DEPTH	DEY. DIRE	ECTION	DEPTH	DEV.	DIRECTION	FIREMAN		Wathy KhanuliT	8
2		T. HOZZLE	PI .	RECORD										FLRMAN		Want I last al	
TE RIG	STB. BODY O.D. STB.	T. SER. NO.	SD. CONT. N	FROM	TO FINE	DETAIL	S OF OPERATIONS IN SEC	WENCE AND REM	ARKS					FLRHAN	 		-
H SURVEY	STB.	-		12:00	8.00 8	60	99244 By	will	i K								+
	SODY O.D. RMR. SODY O.D. SUBS	DEPTH OUT	PRESSURE GRADIENT				,							FLRHAN			_
P. SA	SURS O.D.	PT. DEP TH IN	MID & CHEMICAL S ADDRO	-										-			
	BIT OR C.B.	TOTAL FTG.	TYPE ANT, TIPE ANT,														_
G		FT. TOTAL HR. RUN												<u> </u>			
	KELLY DOWN	FT. COND. OF BIT															
3 6	TOTAL	T. REAMER NO.					Carenta	4 1 B	Idle .	Mus	1375			-	1 1		
CASING TING	WT. OF STRING	BS. REAMER TYPE	DRILLER of Cleveland											NO. OF DAYS	SINCE LAS	ST LOST TIME ACCIDENT	
ж	NO. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	FC	DOTAGE DR.	D CORE		MATION		WT. ON	PUM	P NO.	PUMP NO. METHOD	7	DAY	TOUR 8:00 A.H. 4:0	20 04
EM TEST	STANDS D.P.	PT. BIT NO.	TIME	FROM	DOTAGE DR	R HO.	(SHOW CO	RE RECOVERY)	RI	PM TOOG # P	RESS LINER	S.P.M. 51	MER S.P.M. PAR'EL-	CREW	SOC. SEC. NO.	NAME	HRS.
		FY. SIZE	WEIGHT	11/14							312.0	1	COA D.S.	DRILLER	1	BEN BENGO	
			VISCSEC	747										DRIKMAN		JUEN JENGON	8
REGRATING	2 6 74 305	NFG. FT. TYPE		-	1.2.									HTRMAN	1	L. E. Turns	
SING TRIPS	D.C.	TYPE	W.LC.C.	DEVIATION	DEPTH	DEY.	DIRECTION	DEPTH	DEV. DIR	ECTION	DEPTH	DEV.	DIRECTION	FIRFUAN	44	I Queller	8
BBING	امه ما	FT. HOZZLE	FLTR. CK.	RECORD		194	, or									Thanky	8
TING	STB. BODY O.D.	SIZE	PH Sb.	FROM	LOG ELAPSED	DETAIL	S OF OPERATIONS IN SE	QUENCE AND REA	ARKS VIEW	urn o	J F	heres	Jane Berry	FLRMAN	7		-
DITIONAL		FT. SER. NO.	SD, CONT. %	2:00	2:00 6	111	SEX: h	n/-/-/A	1/2		2,500	12,712	men ja	FLRMAN	111	- 10	-
8 8	RME. 9007 O.D.	DEFINOUT	PRESSURE GRADIENT	2:00	1,00 2	5	100	144 77	Nound	Tarial A	unto.			FLRMAN	1.1		
TIME SUMMARY (OFFICE USE ONLY)	Nes on	DEPTH IN	3		7	1	7	,,,,	Const	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-			1	:8		_
	BIT CR C.B.	TOTAL FTG.	TYPE AMT. TYPE AMT.			1								· i	8		
		PT. TOTAL HR. BUH	Nur: Firs			iles	45								1 1		
	KELY COM ZA	FT. COND. OF BIT				1 5											
DBY	TOTAL 4164	FT. REAMER NO.				35								à	l la		
	PLOFITERS 74.000	BS. REAMER TYPE	MILLEY BOW PREMION			NILO	SESPA	1180				Sier	DIR.	NO. OF DAYS	SINCE LA	AST LOST TIME ACCIDENT	
	NO. DRILLING ASSEMBLY	BIT RECORD	NUD RECORD	FI	DOTAGE bx-	CORE	FO	RMATIC	ROT	PM BIT ON	PUM PUM	er yes,	PUMP NO. METHO	,	EVF	ENING TOURY DO PM/2:0	O PM
		FY, SIT NO.	THE 4:30 5'00 4:00	PROM	DOTAGE DR-	40.	(SNOW CO	RE REG VERY)		PM BIT PI	DEET TOTAL	5.0.A.	MES S.P.M. PARTEL-	CREW	SOC. SEE, NO.		HRS.
		FT. WZE	*BONT 11. 8 13 12	11164	- 1			1						DRILLER	2.4	H. De Grave	
AY WORK	D.C.	MFG.	VISC-18C 2,9 39	110/	- 6					•				DRKMAN			8
WIRE LINE RECORD	1 La 00 203	FT. TYPE		-										MTRHAN		J. Huston.	8
-	D.C.	NO.	Facto 7:00 9:00 11:00		DEPTH	DEV.	DIRECTION	DEPTH	DEV. DIR	ECTION	DEPTH	DEV.	DIRECTION	FIREMAN			Co
	1.D. O.D.	FT. HOZZLE	11.9 11.9 11.7	RECORD	,											Roy Somerville	2.
NES SIZE	F STR.	SIZE	PR I	FROM	LOS ELAPSE	DETAIL	LS OF OPERATIONS IN SE	QUENCE AND RE	MARK\$		_		· ·	FLRMAN		+	
IPPED	STA. O.D.	SER. MO.	Ser. s	4:00	1:00 5	1.	Cons	much	Hole	art 1	Rende	4. 9	1.27	FLRMAN			
TOFF	RMR. BODY O.D.	DEPTH OUT	PRESENT CRANEST	0:00	11:00 2	1/2 1	4 2 2 1	141	1. 9)	8 st. 1	43	1		FLRMAN			
LENGTH		FT. DEPTH IN		4:00	12:00 1	m	aking up	test	60	. , ,	, o./			1			
OR TRIPS AST CUT	BIT OR C.B.	FT. TOTAL FTG.	TYPE ANT. TYPE ANT.	1	-	1 ,,,,	and and	and the						1			
TIVE OR TRIPS		FT. TOTAL HR. RUN	Met car W					1									
		7.													1 1		
PAYS	KELLY DOWN	FT. COND. OF BIY															
DAYS UD TIYE IG HRS.		FT. REAMER NO.	DRILLEY 1/ 6 A														

PRINTED IN U.S.A. APPROVED





OPERATOR DAIL	Y DRILLING REPORT	REPORT NO. 46	DATE 8-10-63																
Laduboro Oil co		Laduboro C. J. A.	Mudet #1 VELLY	O. FIELD OR DIST.				COUNTY	hood	lat	STA	TE	Luc	he-	DRILLING C	REW PAYROLL DATA			
CONTRACTOR	RIG NO.	DOM L PIPE TOOL	D. PUMPS			SIZE	HAKE 1	IT. & GR.		EET RKB.	TO SET A		REMA		DATE A	ugust 1	0 1963	Nº 62	0.4
union holory Suller	ING COMPANY 4	HO, SIZE	NO. MANUFACTURER	TYPE STROKE	LAST			-	JUINTS	CSG. 1	10.	+				Lakor	. C.S. M. herolatel	Nº 62	.94
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONT	TYPE THO.		50B 12	CASING TUBING						+	1			COMPANA	Luboro	Oct es		
	-0		1		OR LINER	9%	 		7	_	400	-			- 5			RIG NO.	4
The 20. 7	DOUG ING ACCOUNT OF		7.		T.	1111				-	236	PUMP		METHO	TOOL PUSH		44 9		
TIME DISTRIBUTION-HOURS	MO. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	FOOTAGE	86.0	- Cont	(SHO	FORMATION W CORE RECOV	(ERY)	ROTARY	EIT PUM	Leite	10, 10	P NO, RUN SCL S.P.M. AR'EL			HING TOUR 12 00 P.M. 8 0		
RIGUPS.	STANDS D.P. 3820 FT SINGLES D.P. FT	1.4	THE 1:30 630 730	4138 415			SANd				30 45	102		COM O.	- 1	SOC. SEC. NO.	AChEVELAND	HES.	
	D.C.	9.77	VISCSEC 38 37	7/34 113	1	1-1	21774 4			7~	2 1.2	- 2	00		DRILLER	1/	10M SANJERS	*	
DESLESS ACTUAL & FOR	2 48.4 a.a. 305 FT		VISCSEC 28 27												MTRMAN	1	WEH SINDAL	1/2	
COMPUTATION 12	D.C.	HO. 120/3	FLTR. OX.	DEMATION DES	РТН	DEV.	DIRECTION	DEPTH	DEV.	DIRECTIO	H	DEPTH	DEV.	DIRECTION	FIREMAN	11/	Walky Rhann		
TRIPS 1/2 2	LD. 0.0. FT	T. HOZZLE SIZE	PH	RECORD			-								FLRMAN	1 1/	Total I		-1
LUBRICATE RIG	STB. BODY O.D.		CONT. 1 165050 151500	TIME LOG	TIME		S OF OPERATIONS						1		FLRMAN		1-		71
DEVIATION SURVEY	BODY O.D. FT	DEPTH OUT	PRESSURE GRADIENT	12:00 8:00	8	V	rkg .	Nhx	Mud						FLRMAN	1 3	EXTRA HELPHA	where M	Ind
TEST B.O.P.	BODY O.D. FT	DEPTHIK 14/1/7			_	+									1		From WAREHOUS		
CUT OFF DRILLING LINE	0,D, F1	207 H 576	TYPE ANT. TYPE ANT	3	1	+								-	1				
REPAIR RIG	F1					*		3							1				
CORREGE CORREGA CORREGE CORREGE CORREGE CORREGE CORREGE CORREGE CORREGE CORREG	KELLY DOWN 15 FT	COND. OF BIT	Magresan R-90															1	
WIRE LINE LOGGING RUNNING CASING & CEMENTING	TOTAL 4150 FT	REAMER NO.	Salt 155As																
& CEMENTING WAITING ON CEMENT	WT. OF STRING 78 004 LB	L REAMER TYPE	DRILLER a Cleveland												NO, OF DAYS		T LOST TIME ACCIDENT		
CEMENT DRILL STEM TEST	NO. DRILLING ASSEMBLY	BIT RECORD	■UD RECORD	FOOTAGE	DR_I	CORE		FORMATION	131741	L ROTARY	PT. OR PUR	PUMP	P NO.	PUMP NO. METHO RUN	·	DAY	TOUR BICC AM 4/2	PA	
DTHER 5	42 STANDS D.P. PT	E. BIT NO. #//	THE 8:00 12:00 3:30		0.00	.c но.		W CORE RECOV	VERT)	lerw	PRE	SIZ#	S.P.H. 317	PUMP NO. RUN NER S.P.M. PIE-L ZE S.P.M. COM'D	CREW	SOC. SEC. HO.	HAME	HRS.	
FISHING	J SHOLES O.P. PT	T. SIZE 8%	VENCHT 11.6 11.9	4150 416	1 0	2.4	EMO			46	50t 55	05%	45	S	DRILLER		BEN DENSON		_
M. A. PERFORATING	12 4.4 an 305 -	MFG. N.J.C.	VISCSEC 38 39							-					DRKMAN	1	L.F. INOMAS	12	
8, TUBING TRIPS	2 4.67aa 305 F	TYPE SUJ	NL-CC 55#	DEVIATION DE	PTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTIO	H	DEPTH	DEV.	DIRECTION	FIREMAN	/	J. Quelles	8	_
E C. SWABBING	10. aa. F	T. MOZZLE SZE	FLTR. CK. 8/32	RECORD											FIRMAN	/	1. FINNORY	8	-
D. TESTING	518. 8007 0.D. F		SONT. S PART TO PRO	TIME LOG FROM TO	ELAPSED TIME	DETAN	LS OF OPERATIONS	IN SEQUENCE A	AND REMARKS	SAFASEL	MARINE	No. A	BLOCKS	:	FLRMAN	(=	Tires Haller M	- 6	
O E. ADDITIONAL	STB.	2.73	Sur. S PROJECT PA	8icc 8:15	1	Gree	OFF. CLARE	A Ba:	Chose	s open	BAP	phon	Kelly	STop OK.	FLRMAN	132	FROM WARE NOUS		_
TOTALS 88	800Y 0.0. F	DEPTH IN ULAY	Struck Pre	8:15 2:00	5.79	ZA	where # C	ONDIE	ONING	Mus				/ .	7	1	FAUTI WHEE HOUS		
TIME SUMMARY (OFFICE USE ONLY)	SUT OR CR. F	TOTAL FTG	STIMEN PARS TITE MAIL TYPE ANT PARSON S.	2:00 3:30	1/2	0	R: OUT			1 0	1.				- i -				
DAY WORK	BIT OR C.S. F	TOTAL HE BONY	mulasil-5	0,30 7,00	12	- 200	BRIEL	ZUF I	OF NO	AZ , 2	sap.	-/2	~ .		- 1				
HRS. W/DP		T. COND. OF HERESTAND?"	FACA -5			1									* 1				
HRS. STANDBY	TOTAL 4/all F	T. REAMER NO.	MAGGOBAR-38						_							-			\perp
	1 1 10 10 10	E. REAMER TYPE	MILES DEN SENSON			CHAN	1650 OIL	Files	RS King	PMOTO	3:00			ers/Moore	NO. OF DAY		ST LOST TIME ACCIDENT		
	HO. DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	NUO RECORD	FOOTAGE	DR=I	CORE NO.		PORNATION ON CORE RECO		ROTARY	NT. OH PUN	PUM	P NO.	PUMP NO. METHO	ю:	EVE	HING TOUR 100 P. 12:0	U P.M.	
		T SIT NO. 16	TME	FROM 10	CORE	_C NO.	(tree	DIE CORE RECO	vegaci)	NF.	1000#	HEE	19.84	INER S.P. AR	CREW	SOC. SEC. NO.	NAME	HRS.	
	1 SHOLES D.P. 30 F	1. uze - 834	*BG#T	4164		-					-	-		-	DRILLER		H. We Gran		
TOTAL DAY WORE	12 06/3/1 305	HE HTC	VISC_SEC		_						-	-			DRKMAN		J. Oufflin	8	\perp
VIRE LINE RECORD	B.C 0.0. 303 P	TYPE REAT	NT-CC 1	DEVIATION DE	PTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTIO	H -	DEPTH	DEV.	DIRECTION	MTRMAN		Welly Policant	4 8	\rightarrow
REEL HO.	10. 0.0	NOTES -	FLTS. CX	RECORD 4/00	6	12									FIREMAN		Ray Sermene	8	4
HO. OF LINES SIZE	STB. BCCY O.D. F	SIZE	Bier. s	TIME LOG		05740	LS OF OPERATIONS	IN SEQUENCE	AND REMARKS						FLRMAN FLRMAN			-+-	+
PEET SLIPPED	NOOY O.D.	T. 168. MS. 277.01	PRESSURE GRADIENT	4:00 4:30	1/2	Also	. Mes	16.34	-	74	-		4		FLRMAN FLRMAN			\rightarrow	-
PRESENT LEHETH	818 0.0 P	L	GEADERT	430 630	2	10	ulling	ant to	Coop	stray	14	21	4164		- 1				+
TON M. OR TRIPS SHCE LAST CUT	F	TOTAL PEG 57	TYPE ANT, TYPE AM	V120 101-1	6.5		1		0	dipl	tally	4	164.	-	- 1			- +	+
CUMBLATIVE TOR M. OR TRIPA	SITOR C.B. F	TOTAL HE. RUN 36	THE AND THE AND	6:30 12:00	3.5	We	lex to	gging						_	- 1			$\neg \uparrow \uparrow$	
HD, OF DAYS FROM SPUD	IBLITOWN 39 F					1				1		0							
CUMULATIVE ROTATING HRS.		T. REALER NO.	100				- (win	rud ,	while	l	tofall	27						
	NY, OF LYBER LE	S. REAMER TYPE	source H 1/2 France		1							10			NO. OF DAY	SINCE LA	ST LOST TIME ACCIDENT		573.





Nº 6293	Y DRILLING REPORT	REPORT NO. 45	DATE 8-9-63										
1 14 1		1. 1 ATH	WELL H	O. FIELD OR DIST.	7711	COUNTY -24	26	IATE -/		Desir Line Co	EW PAYROLL DATA		
Laboro Cal C	RIG ND.	Laduboro (I/4)	freder # /			COUNTY Mrcs	res	June 1	ber_	1	10	191.3	
NORTH AMERICAN DRILL	/h/	DRILL PIPE TOOL STRING JOINT O.		TIME STROKE LAST	SIZE MAKE	WT. & GR. NO.	PEET RKB. TO SET	AT R	EMARKS	DATE AM	I I lus	P.S. Phrolet +11	Nº 6293
NORTH AMERICAN DRILL	an Ball	TYPE THD.	NO. HANUFACTURER 1. National	LENGTH CASING						WELL NAME	Ludaboro	10:00	_
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTR	TACTOR'S TOOL PUSHER	2	TUBING OR LINER		1				COMPANY_	fudur or	Con Co	
The. 20.7			3.		9/8	7:	130			TOOL PUSHE			RIG NO 7
TIME DISTRIBUTION CHOURS	NO. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	FOOTAGE DR RM. CORE	CORE	FORMATION (SHOW CORE RECOVERY)	ROTARY SIE PE	PUMP NO.	PUMP ND. METHOD RUN	1	MORNI	ING TOUR 12'00 P.M. 8'0	20 AM
MORN DAY EVE	STANDS D.P. 3792 FT.	7.0	Time 6 00 7 30		c **.	(SHOW COKE RECOVERT)	RPM 1000# PR	SIZE S.P.M.	SITE S.P.A. PARTIC	CREW	SOC. SEC. NO.	NAME	RES.
TEAR DOWN	SINGLES D.P. FT.	9/6	WEIGHT 10-6 11-1	4117 -	- 2		44.			DRILLER		A Chavelan	
DRILLING ACTUAL	12 624 0.0. 305 FT.	MFG. 1176	VISCSEC 38	4114 4116	1701	NING COFE	Hoha	+		DRKHAN		TOM SANDERS	(1 8
READING CONDITIONING MUD 5 150	0.C. 303 FL.	TYPE REIS	W.LC.C.	DEVIATION DEPTH	DEV. DIRECTION	DEPTH DEV.	DIRECTION	DEPTH DEV	. DIRECTION	HTRMAN		W 20 14 Syddah	1/2 8
	I.D. O.D. FT.	MOZZLE	FLTR. CK.	RECORD						FIREMAN		WELLY Rhennhil	78
TRIPS	STB. BODY C.D. FT. STB.	SIZE	PH SD. CONT. 1	FROM TO TIME	DEVAILS OF OPERAT	IONS IN SEQUENCE AND REMARKS				FLRMAN			
DEVIATION SURVEY	STB. BODY O.D. FY.	SER. NO. 4743/	CONT. 1 PRESSURE GRADIENT	12:00 5:00 5	(ONd, 7,0	wing what - M	x 210343 AM	19toBar		FLRMAN			
TEST B.O.P.	RMR. BODY O.D. PT.	DEPTH IN 4/1/7	GRADIENT	5.00 8.00 3	REAMI	Ng + M. Y A	lud			FLEMAN	1		-
CUT OFF DRILLING LINE	O.D. FT.	TOTAL FTG.	MID & CHEMICALS ADDED TYPE AMT. TYPE AMT.						-	1.			
REPAIR RIG	BITORCE OFT.	TOTAL HR. RUN	Mageo Bar 280 Sks							1			
CORING	KELLY DE PT.	COND. OF BIT	1889C0 138 R 280 303		-					-			
WIRE LINE LOGGING	TOTAL FT.	REALER NO.			+					1			
RUNNING CASING & CEMENTING		REAMER TYPE	DRILLER a Cleveland							HO. OF DAYS.	SINCE LAST	LOST TIME ACCIDENT	
WAITING ON CEMENT	NO. DRILLING ASSEMBLY	BIT RECORD	*UD RECORD	POOTAGE DO	n		WT, CHI	PUMP MD.	PUMP HO. METHOD		DAYT	TOUR 8:00 AM. 4:0	00 04
DRILL STEM TEST	STANDS D.P. 2820 PT.	BIT NO. 11/6	TIME 8:30 p:30 3:30	FROM TO COR	-D CORE -R NO.	FORMATION ANTO	ROTARY BIT PE	ESS LIMER SIZE S.P.M.	LINER S.P.M. PARTL	CREW	SOC, SEC. NO.	HAME	HRS.
OTHER	SINGLES D.P. PT.		*BIGHT 167 11-3 11-4	4116 4117 R		1/20834		1000		DRILLER		BEN BENSON	
PISHING	D.C. 34	MFG. HJ.T.C.	WEIGHT 107 11-3 11-4 VISCSEC 4/ 39 40	417 4158 D	6AND	S'CHIRT:	45 30 4	10 5/2 45	5	DRKMAN		1 F Jugaras	. 2
A. PERFORATING	12 40 as. 305 FT.		HLCC. 454							MTRMAN		V. QUELLA	\$ 8
S a, TUBING TRIPS	D.C.	NO.	FLTR. CK. 8/22	DEVIATION DEPTH	DEV. DIRECTION	DEPTH DEV.	DIRECTION	DEPTH DEY	, DIRECTION	FIREMAN		J. harny	8
C. SWABBING	1,D, 0,0, FT,	HOZZLE SIZE	PH	TIME LOG ELAPSE						FLRMAN		3 march	
8 P. ADDITIONAL	BOOY O.D. FT.	SER. NO. 2793	SD., CONT. S SANT JOB, OCO LES	TIME LOG ELAPSE	DETAILS OF OPERAT	TIONS IN SEQUENCE AND REMARK	\$			FLRMAN			
TOTALS 8 8 8	BODY O.D. FT. STB. BODY O.D. FT. RMR. BODY O.B. FT.	DEPTH OUT	PRESSURE GRADIENT	0:45 diam 1/4	Bennew	: No. 11				FLRMAN.			
TIME SUMMARY	800Y 0.0. FT. SUBS 0.0. FT.	DEPTH IN 4117		8:45 9:00 /4 1:00 9:15 /4 9:15 9:45 /2 9:45 7:00 6:4	Chenge	Once PAR	Mar D	W. Gra	M &				
DAY WORK	BIT OR C.S. FT.		TYPE AMT, TYPE AMT.	9:15 9:45 1/2	COMPLE	CHING BUT & No	11/4 644 115	de All	C.N	1			
NRS. W/DP		TOTAL HR. RUM	MOGLOBAR - 27	9:45 4:00 64	Darker	4 CONDITION	MING MUDI						
HRS. WO/DP		COND. OF NECOMED 7								1			
HRS. STAMDBY	TOTAL 4/28 FT.	, REAMER NO.			-					i			
-	WT. OF STRING 76 OCC LBS.	REAMER TYPE	MUD RECORD	FOOTAGE	-		-111		UE THOS	HO. OF DAYS.		T LOST TIME ACCIDENT	
	AY END OF YOUR			DK-	-0 CORE	FORMATION (SHOW CORE RECOVERY)	ROTARY WT. SM PU RPM BIT PR 1000//	ESS LINER L.P.M.	PUMP NO. RUN LINER S.P. SGL. S. SIZE S.P. COM'D.	1		HING TOUR 4:00 P.M/2:	
	STANDS D.P. PT.	ВІТ НО. 16	THE 6:00 9:00 10:00			0.4	45 30 40	SIZE	SIZE COM'D.C		SOC. SEC. NO.	0/ 0) 0/	HRS.
TOTAL DAY WORK	12 0.0 34	5 74	WEIGHT 11.54 11.4" 11.3	71/28 D	SAN	0.4	43 30 40	0 3 3 63		DRILLER		1. de dra	w 8
VIRE LINE RECORD	12 6 7/ O.B. 305 PT.	MFG. H.T.C.	VISCSEC 39 38	-						DRKMAN		P. Quiller	. 8
REEL NO.	D.C.	TYPE RGIJ	FLTR. CK 10,30 4 14 3		DEV. DIRECTION	DEPTH DEV.	DIRECTION	DEPTH DE	r. DIRECTION	MTRMAN		In Halbar	0
HO. OF LINES & SIZE	I.D. O.D. FT,	HOZZLE								FLRMAN		Bay Server	ville 8
FEET SLIPPED	STB. BODY O.D. FT.		PH 11:3043 F1.4	FROM TO TIME		TIONS IN SEQUENCE AND REMARK	s			FLRMAN			++++
FEET CUT OFF	STB. BODY O.D. FT. STB. BODY O.D. FT. BODY O.D. FT. BODY O.D. FT. SUBS O.D. FT.	DEPTHOUT	PRESSURE GRADIENT	4:00 8:30 46		7				FLRMAN			
PRESENT LENGTH	BODY O.D. FT.	DEPTH IN U117		8:30 9:00	Rig & Ce	men & Dun	P			Jon.			
	O.D. FT.	TOTAL FTG.	TYPE ANT, TYPE ANT	9:00 11:00 2	Drlg que un	- 07	-			1	100		
TON MILOR TRIPS SINCE LAST CUT	NITOR C.R.	IOIAL PIG.	TYPE AMT. F TYPE I AMT										
TON ME.OR TRIPS SINCE LAST CUT CUMULATIVE TON ME.OR TRIPS	BIT OR C.B. FT.	TOTAL HR. RUN	TOPE ANT, TYPE ANT	120 120 120	Marso	o Pito							
TON M., OR TRIPS SINCE LAST CUT CUMULATIVE TON M. OR TRIPS OF DAYS PROM SPUD	SIT OR C.B. FT.	4	TYPE ANT. TYPE ANT.	1:20 17:0: 40	Drig	s gres						A	
TON ME, OR TRIPS SINCE LAST CUT CUMULATIVE TON ME, OR TRIPS	FT.	TOTAL HR, RUM	TIPE ANT. TIPE ANT.	1.70 17:0: 40	Drig	s fils							





77 May	PRILLING REPORT	LEASE	PORT HO. 4	DATE	0 8	-							Marian Trans.						and the same of	e a comment				L-YE-	
boro Oil E		Ladura	ro Cly	medet	#1	WELL	NO. FIEL	D OR DIST.		-	0.83	COUNTY	Viole	f		STATE	Que	14	-		CREW PAYROL				
	RIG MG.	DRILL PIPE T	OOL	0.0.	1.73	PUMPS	212 G	1	1300	size	TORE	WT. & CR.			. TO .	SET AT		REMARKS		DATE L	lagasi	18	-1963 N	10 6	62
AMERICAN DRILL	ING COMPANY 4	MO. SIZE		100		ACTURER	TYPE	STROKE LENGTH	LAST CASING	732		31 1 1 1	JOHIS	-		711	1	3-7	18 J. S.E. 7	WELL HAM	E & 10 /	luto	w (W/ sheatter)		07
AMERICAN DRILL	SIGNATURE OF CO	HTRACTOR'S TOOL PUSH	TYPE THD.	1. 7/4	tions	al 1	150B	12	TUBING				- 1				Tina			COMPANY	Tadus	boro	Oil es		
6. w.	20			1 7	1.1				OR LINER	98			2		0	2/				TOOL PUS		- 1		RIG HO	
STRIBUTION HOUS	NO. DRILLING ASSEMBLY	RITE	RECORD		NUD RE	FCORD		OOTAGE	94.	-		FORMATI		1000	TT. 00	26	PUMP HO.	PUMP	HO. METHO	5	king rus	LANDAIN	NG TOUR 19 00 P.M. 8 00		
HORN DAY EVE		FT. MT HO.	16	THE			FROM	10	DE.	CORE IND.	(84	OW COME REC	COVERY	ROTARY	8/T. CHE 1000 F	PRESS LIN	10 LPA	LINER	DA MA	CREW	SOC. SE		NAME	MRS.	T
50 0 0		FT. SIZE	834	VEGHT	10.	10.60	4/17		12 - 15	1/				3000			-		3	DRILLER	- 1		A ChEVELAND	8	
TUAL	9.C.	MFG.	MITC.	VISCSEC	114	10.00		17 3	12.1		11, 17					7.5			1. 10	DRIGHAM			TOM SANDERS	8	-
DM	LD. G.A. 1	FT. TYPE	RSIS	ATT-CC	100														100	MTRHAM	1		WITH Siddall	8	
SALL PERSON		100	-	FLTR. CK.	1157		DEVIATION	H DE	PTH	DEV.	DIRECTION	DEPT	e DEV.	DIRECT	HOH /	Depte	. 04	EV.	DIRECTION	FIREMAN -		/	Wathy Planul	8	5
34 4		PT. HOZZLE SIZ	1 4900	PH	17 1/2	17 24 16			ELAPSE	1	LS OF OPERATION			4	100			-	1	FLRMAN		1		1990	1
10	STE.	FE. SER, HO.	27951	SD. CONT. %		2.4	11.44	3.30	2%	DETAIL	LIS OF OPERATION		E AND REMARKS		0.7	2.70				FLRMAN				118	1
RVEY	900Y 0.D.	PT. DEPTH OUT	5 28 2 1	PRESSURE GRADIENT	NEW Y	Parel To	1 3.	800	41.	C	Ndilion		1. J M	40 6	4	1.1	Tiles	1. 1	Tad we-	FLEMAN		MY.	The second second second	100	
1	BOOY O.D.	DEPTH IN	4112	1			The second section is a second	1	1	1	KKK	7, "		UU OM	. (,	Mer		24/110					1/	1
	MTOR CA.	FT. TOTAL FTG.		TYPE	MI.	TYPE M	a.	1000		100	7~~	-130		235 G 24	3.1	AT THE			1777	*		1 /			1
6		FY. TOTAL HR. RUN		11	100	LAY BY		15050	0.	1			100		1 50			1.1		- 1		-		134	-
	RELLY DOWN	FT. COND. OF BIT			3	30 00		100	6	1	1	-								- 1	1000				-
NG 1	TOTAL .	PT. REAMER NO.		DRILLER	0		11 1		1 11	-	4				0.4					-1-		10	/		1
		BS. REAMER TYPE	1200	1		veland		10000		1			200		-	1		_	NO METHO	HO. OF DAY	5		LOST TIME ACCIDENT	4 1 2 2	_
est i	HO. DRILLING ASSEMBLY		RECORD			RECORD		FOOTAGE	DR	E NO.		FORMATI	ON COVERT	ROTARY	WT. OH BIT 1000#		PUMP HO.		RUN	- 1			OUR BIOC AM YOU	7 277.0	
8	STANDS D.P. 3792		# 16		1:00	14	FROM	. 03		-c	-				1000#	SI	Ze SPA	SIZE	S.P.M. PAR EL.	- :	SOC. SE	EC. HO.	52 0	HRS.	
6 12 12 Ph		FT. SEE	27		10.8		41/0	- 83	2	1	-	1	1	-			2 8 9			DRILLER		1	TRUM FRENECH	8	-
AT IMS	R 44 305	MPG.	IDL		42	100	7117	- 42	200	1	5 5 5	7 V. V.		5 1			130	Vi.		- 4			THE HOMES	8	
RIPS	D.C. 0.0.	THE .	BCIJ	RIL-CC	THE REAL PROPERTY.	T 01 0	DEVIATE	98	EETH	DEV.	DIRECTION	DEPTI	H DEV.	DIRECT	TION .	PEPTI	t Di	EV.	DIRECTION	- MTRMAN			I Gueller	auguna	1
		PT. HOLILE		PL TIL CL	1		RECORD		7			PARTE !	4 100	3 37.1.	4	PELICIE.		1		FLRMAN		1	Y. KANDRY	0	
		FT. 128, WO.	27931	Start, s	72		FROM	TO	TIME	DETAI	LS OF OPERATION				45.5	2.587	1000	10.1	0 10 10	FLRMAN			A CONTRACTOR		
MAL 2 0	518. 5007 0.0.	PE DEPTH OUT	7/731	CONTRACT	1		8:00	100	129	Car	OUT A	PER 7	a 25 1	2-1	bo (Gas (UT		A TOR	PLRMAN.	1			28 65	1
8 8 8	900Y 0.0.	PT. DEPTH IN	9/17	1. 7951	100		-	4	1 200	11/7	S.Y T	0 10	3 0	1 togat	ENA	14.1	PUD:	core	The world	-	7	-		100	
FICE USE ONLY)	0,0.	FT. TOTAL FTG.	1111	Trees	ALD LONG	TOPE AN	a.	Meno	200	14	SE FE	PER	יאישופו	M. OK	. h	ely s	Job.	ck.	De la company	1	1 7	28	A TOWNS OF THE PARTY.	16 5 8	3
	The state of the s	FT. TOTAL HR. RIN		Sale	310		- 50	7.00	180	42	2 Deal	ner!	1111		17	T. Carrier	1000	1		1					-
	57	PT. COMO. OF BIT	1 4-1-1	APP	will	WATER	Sec. 17.	7-11-12	Total .	1	Series of the	251			4. 4	The same	E - 12 E	1 10	24.	1000	1	1		3 62	
		PT. REMER HO.	1 1 1 1 1 1 1 1 1 1	100		1 the		-	15.0	17.32	1	P - 8	111		Tar "	134	A 194	1381			3	1		J 12	3
A .	T.AFTTHE 75.000	S. REAMER TYPE		DRLLER		BONSON	100	Birm	120/5	35		of Section		100	100	N. Land	-			NO. OF DA	YS S	SHCE LAST	T LOST TIME ACCIDIENT	120	-
W 5 15 16 16	HO. DRILLING ASSEMBLY	ыт	RECORD		#UD F	RECORD	- F. G.C.,	FOOTAGE	14- 25- COM	come	Po alm	FORMATI	ICH :	BOTAN	TT. 04		PUMP HO.	Plant	P HO. METHO	0	Ly	EAEM	ING TOURY : 00 P.4/2:0	0 PM	
	STANDS D.P.	FT. BIT HO.	16	784	7:00	10:00	FROM		CORE	.E M.		HOW CORE RE	(COVERY)		MT. CHE SAT TOMOS	78EM L	HER SP.K.	SEE	SPA CONTE	CREE	50C. N	EC. 10.	/ 0	HES	_
	UNGLES D.P.	FT. 926	834	WEIGHT	10.9	10.94	9/17			1	o.		571,00	70	300	500 5	265	1		DRILLER		3	H. We Graw	. 8	5
K .	2 % an 305	MFG.	HIE	VISCSEC	39	39	4109	4113	2	3	Reame	my.	-	- 100	200	,		- 12	1100	DREMM		-	P. Oyillen	8	1
LINE RECORD	DE 08 305	FT. TYPE	RG 15	AT-CC		1000	-		PTH	DEV.	DIRECTION	DEPT	H DEV	DIRECT	nos I	9071	H 0	ev.	ривестон	MTRMM		1	Hulland	8	
	10. 00	PT. HOEZLE		FLTR. CX		100	DEWATE		in.	-	District Communication of the	our!	-	Die SC		25128 7		1.1		PREMA		100	By lemmeris	68	1
SIR	19 60 2'	- 41	20	PR S			FROM	10 TO	ELAPSE THE	DETA	ILS OF OPERATION	S IN SECURIOR	CE AND REMARK			7 HW-	75.45		4	PLEMA					+
		PT. SER. NO.	37931	Sier. s	-			7:30			ting	Pits.	* Con	1.m	rest	-	100		1.00	PLEASE	1 2		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 70	
TN	BOOY O.D.	PT. DEPTH OUT	4117	CEADINE			200		1	10		5000		11	-		0.44	THE .	03,000	- 1		9			5
PS JT	0.0.	FT	111/		AUD & CHE	MCALS ADDED		8:30			ming				300		0.00	117	11/2/	-	9.0			11 17	-
IPS	MTOP C.B.	TOTAL HE. BUN	100		THE PERSON NAMED IN	TYPE A	NT. 8:30	9:15		-	Many	m	ged 1	gner		1.		58	1	- VINE	17		24	-	+
	EBLY DOM	PT. COND. OF BIT		MAGE SAY			9:15		114	10	anding		most	Bury	1	lug	2	14	164	- 1		100		3. 147	
		FT. REAMER NO.	100	100	100	1	11:00	12:00	1/1	1	deing	me	4 4 7	or ter	700		and of	See 1	1	1965	0 2 3 2	0 50			
Alternation of the State of the	The state of the s	BS. REAMER TYPE	L. Company	DIRLLER 2	116	1 0		e dige	Mary Con		A	1	(F) -1		Total Co.	1000	2000	-		NO. OF DA	1207 1 1960		LOST TIME ACCIDENT		-



Nº.	6291		~	,	1																
OPERATOR	DA	LY DRILLING REPORT	REPORT NO. 4	3 DATE	8-7-63																
	1	00	1000	14 The	WELL NO	O. FIELD	OR DIST.			COUNTY	7/	elt	STATE	41		her	DRILLING CREW PAYR	OLL DATA			
Ladub	ioro (l	RIG HI			PUMPS			SIZI	E MAKE	WT. & GR.		FEET RKB. TO	SET AT	7	REMARKS		DATE Che gre	st 7 19	63	0 00	0.04
NORTH AMERI	ICAN DRIL	LING COMPANY	STRING JOINT NO. SIZE	O.D.	MANUFACTURER	TYPE S	TROKE LAST	r -	- MARCE	## Q GA	JOINTS	CSG. HD.			NEMARKS.		7	Eduforo (I)	B Marlet 11, N	6	291
SIGNATURE OF OPERATO	ory eln	Cler Cun Ital	TYPE THD. CONTRACTOR'S TOOL PUSHER				Z TUBIN			-							WELL NAME & NU.	entoro a	100		
SIGNATURE OF OPERATO	K 2 KEPKESENIAI	YE SIGNATURE OF C	CONTRACTOR'S TOOL T BUILT	2.			OR LIN	ER	2								COMPANY	2000			11
				3.				97	F .		7		234				TOOL PUSHER		COLUMN CO. WARREST	_ RIG NO	
TIME DISTRIBUTIO		NO. DRILLING ASSEMBLY	BIT RECORD		MUD RECORD	FO		DR.,D CORI		FORMAT	ION COVERY)	ROTARY BI	ON PUMP PRESS L	PUMP NO.	PUMP	NO. METHOD RUN S.P.M. SGLS PAR'EL-F COM'D-C		MORNING TOUR	2 00 P.M. 8. 00	A.M.	
	RN DAY EVE	STANDS D.P.	FT. BIT NO.	TIME	1:00 7:00	FROM		COREC NO.			COVERT	100	10# PRE33	SIZE S.P.M.	SIZE	S.P.M. PAR'EL-F	CREW SOC.	SEC. NO.	NAME	HRS.	
RIG UP & TEAR DOWN		SINGLES D.P.	FT. SIZE	WEIGHT	10-6 11-1	4116	4117	Ç	Cork	F1 2			-	-	1		DRILLER		LEVELAND	8	
DRILLING ACTUAL			MFG.	VISCSEC	7 . 34 .			_					-	-			DRKMAN	10 M	SANDERS	8	
REAMING		j.D. Q.D.	FT. TYPE	W.LC.C.	32	_			Noremen	1 000		DIRECTION	DEP	ru n	EV.	DIRECTION	MTRMAN		1. Siddalh	8	
CONDITIONING MUD & CIRCULATING	1		FT NOZZLE NO.	FLTR. CK.		DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPT	H DEV.	DIRECTION	DEP	in U	EV.	DIRECTION	FIREMAN	JOE	HubbARd	8	
TRIPS	334	I,D, O.D. STB.	SIZE	PH		TIME	LOG ELA	PSED	AILS OF OPERAT	IONE IN FECUENC	CE AND BEHARKS	1					FLRMAN				
LUBRICATE RIG	1/4	BODY O.D.	FT. SER. NO.	SD. CONT. %	i.	12:00			OF E #		LE AND REMARKS						FLRMAN				
DEVIATION SURVEY		BODY O.D. RMR. BODY O.D.	FT. DEPTH OUT	PRESSURE GRADIENT			8:00 7				18 4.3	I som ing .	11. 1				FLRMAN	1			
TEST B.O.P.	1/4	SUBS	FT. DEPTH IN				0.00 /		WIT KILLY	141 21 4	CARTI	149	/V/AU								
CUT OFF DRILLING UNE		O.D. BIT OR C.B.	FT. TOTAL FTG.	TYPE	MUD & CHEMICALS ADDED AMT. TYPE AMT.																
REPAIR RIG		BITOR C.S.	FT. TOTAL HR. RUN	MAG C	BAR 180 SKS												1				12
CORING	24	KELLY DOWN	FT. COND. OF BIT																		
WIRE LINE LOGGING		TOTAL	FT. REAMER NO.										3				1				
RUNNING CASING & CEMENTING		WT. OF STRING	LBS. REAMER TYPE	DRILLER	I Cleveland			- 1					7.4				NO. OF DAYS	SINCE LAST LOST TIME A	CCIDENT		
WAITING ON CEMENT		NO. DRILLING ASSEMBLY	BIT RECORD		MUD RECORD	FO	OTAGE	DR_D COR	ε	FORMAT	ION	ROTARY WT.	ON PHIMP	PUMP NO.	PUMP	NO. METHOD	1	DAY TOUR Z	0 AM. 4:00	Р.м.	
DRILL STEM TEST	9	STANDS D.P.	FT. BIT NO.	TIME	8:00	FROM	то	CORE_C		(SHOW CORE RE	COVERY)	RPM 100	PRESS 1	INER S.P.M.	LINER	NO. RUN S.P.M. PAR'EL-I COM'D-C	CREW SOC.	SEC. NO.	NAME	HRS.	
OTHER	334	SINGLES D.P.	FT. SIZE	WEIGHT	6.00	410	112.2.2	5				- 6 10	1 1000	4			DRILLER	B.	· Paris	8	
FISHING		D.C.	MFG.	VISC:-SEC	11:	1111											DRKMAN	JULA	SENSON	8	
A. PERFORATING		1.D. O.D.	FT. TYPE	W.LC.C.	55		_			d			1-1				MTRMAN	hin.	QUEHINI	8	
B. TUBING TRIPS Z		D.C.	NO.	FLTR. CK.		DEVIATION	DEPTH	DEV.	DIRECTION	DEPT	H DEV.	DIRECTION	DEP	TH D	EY.	DIRECTION	FIREMAN	2.	NUETTIN	8	
C. SWABBING		1.D. O.D.	FT. NOZZLE SIZE	PH		RECORD	100 101	Oren		6		<u></u>				·	FLRMAN	9 ,	h mudry	0	
D. TESTING		STB. BODY O.D.	FT. SER. NO.	SD. CONT. %		FROM	TO TI	PSED DET	TAILS OF OPERAT	TIONS IN SEQUEN	CE AND REMARKS	(4				FLRMAN	-71			
E. ADDITIONAL		STB. BODY O.D. RMR. BODY O.D.	FT. DEPTH OUT	PRESSURE GRADIENT		8:00	818 / 10:00 / 11:15 / 11:30 / 2:00 2	4 6	MERSE	: CHE	CK RIG				1		FLRMAN.		19		
	8	BODY O.D.	PT. DEPTH IN	1.90		8.15	10:00 1	3/4 /	VIEL	COR	= #2	KECOVER	260 51	HARD DE	NOE S	AND	4				
TIME SUMMA (OFFICE USE O	NLY)	SUBS O.D.	FT. TOTAL FTG.	Fine	HUD & CHEMICALS ADDED AMT. TYPE AMT.	10:00	11:15 1	4 2	TOWN-	CONE	- 507	BACK	1341	3. W11	TARRETO	RES	1				dis
DAY WORK		BIT OR C.B.	FT. TOTAL HR. RUN	1 1172	AMI. TIPE AMI.	11:15	11:30	4 0	HECK.	13.0,1	2 3//	e.K	KEMY	STOP	OK	;	1				1
HRS, W/DP		WH I V DOWN	FT. COND. OF BIT			11:30	2:00 2	2	Up E	75.2.	1001	-	. 0 15		211	· .					
HRS. WO/DP		KELLY DOWN	FT. REAMER NO.			7:00	4:10 2	7	Top 11	N CO Y	417 Te	D.S.T	, 11 1	. 0	15 71	20	1			1 1	
HRS. STANDBY		WT. OF STRING	LBS. REAMER TYPE	DRILLER	7- 7	r 11/2			/				Jel I				NO. OF DAYS	SINCE LAST LOST TIME	ACCIDENT		
		NO. DRILLING ASSEMBLY	BIT RECORD		MUD RECORD	FO	OTAGE	DR⊷D CORE		FORMAT	201			PUMP NO.	PUMP	NO. METHOE		EVENING TOUR!	:00 PM2:00	2 ви	
		STANDS D.P.	FT. BIT NO.	TIME		FROM		RM_R NO.		FORMAT (SHOW CORE RI	ECOVERY)	ROTARY WT RPM B	SIT PRESS	LINER S.P.M.	LINER	S.P.M. SGL-S PAR'EL-I COM'D-C	CREW SOC.	SEC. NO.	NAME	HRS.	-
		SINGLES D.P.	FT. SIZE	WEIGHT		4117			-			-		SIZE	SIZE	COM-D-C	¥	Del.	C) S/	Ç.	
TOTAL DAY WORK	-	D.C.				-4///											DRILLER	15	RIO NAME	73	
	2000	1.0. 0.0.	MFG. FT. TYPE	VISCSEC W.LC.C.		-			-				1.0				MTRMAN	18	21. 11. 1	8	
WIRE LINE RE	LOKD	D.C.	NO.	FLTR. CK		DEVIATION	DEPTH	DEV.	DIRECTION	DEP1	H DEV.	DIRECTION	DEP	TH C	EV.	DIRECTION	e -	y	18 de la	8	
REEL NO.		5 I.D. O.D.	FT. NOZZLE			RECORD			-								FIREMAN	ton	Landing.	8	4
NO. OF LINES	SIZE/	STB. BODY O.D.	FT	SD NT. %		FROM	LOG EL/	APSED DE	TAILS OF OPERAT	TIONS IN SEQUEN	CE AND REMARKS						FLRMAN		10.4		
FEET SLIPPED		STB. O.D.	FT. SER. NO.	PRESSURE GRADIENT		4:00	8,10 9	0 /	5.5.1	#2.	til	Car 400	a tre		N		FLRMAN			_	
FEET CUT OFF		RMR. BODY O.D.	PEPTH OUT	GRADIENT			-		1	20		11/	111	1	- 4		A			-	-
PRESENT LENGTH TON ML, OR TRIPS SINCE LAST CUT		SUBS O.D.	FT. TOTAL FTG.		MUD & CHEMICALS ADDED AMT. TYPE AMT.	820	19'00 3	- 1	21.	61 1	/ -	Rome	1 59		×	7.60	1			-	
		BIT OR C.B.	FT.	TYPE	AMT. TYPE AMT.	-	577		- /			A CESTER					1			-	_
CUMULATIVE TON MI. OR TRIPS NO. OF DAYS			FT. TOTAL HR. RUN						4								1			+	
FROM SPUD CUMULATIVE ROTATING HRS.		KELLY DOWN	FT. COND. OF BIT			12											1- 1-		584 758	8	
ROTATING HRS.		TOTAL	FT. REAMER NO. LBS. REAMER TYPE	DRILLER	10 4	#										The latest	NO DE DAVE	SINCE LAST LOST TIME	LCCIDENT.		1000
		WT.OFSTRING	NEAMER TIPE	/	& Flathanie	1											NO. OF DATA	STATE PAST FAST TIME	ACCIDENT		

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aduboro Cil	to .	Ladus	los Cd &	Him	ut #	/	LL HO. FI	ELD OR DEST.		1	4 6	COUNTY 22	- alex	-	STATE	Luc	be-			EXPAYROLL DAT		1	
CTOR	RIG HO.	STRING	DOL DOOL		700	PUMPS		1	1	uze	MAKE	ST. A CR. THE	PEET	RKS. TO CSG. HD.	SETAT		MIS		DATE (aquet (6-1963	N' Orderly N'	9 62
TH AMERICAN DRILL	ING COMPANY	HO. SIEE	TYPE THE.	HQ.	MARK		TIPE	LENSTH	CASHG			1000			1000		1116		WELL HAME &	no Talub	no OSAL	court	. 02
		TRACTOR'S TOOL PUR		2 1/	alien	al	1508	12	TURNS OR LINER	T . Y	Sec. 62.		10	1000		4		1	COMPANY	Tadub	no ceil	co .	
The 10.		W.		2.		(No. 1			12.00	94	The second	7			136		14 11-1		TOOL PUSHER	hall			RIG NO
E DISTRIBUTION-HOWS	HO. DRILLING ASSEMBLY	BIT	ECORD		AUD REC	CORD		FOOTAGE	D CORRE	cont		FORMATION		BOTARY OF SET	7480 LINE	UMP IND.	PUMP HO.	METHOD		ног	THING TOUR 2	0 P.M. 8'00	_AM
MORN DAY EVE		т. шт но.	15	THE	5:00	7 (2.3)	PRO		D CORE	100.	(San	ON CORE RECOVERY	- / -	1000 W	PRESS LINE	RPA.	1.7.A	加克	CREW	SOC. SEC. NO.		HAME	HRS.
m /	SHIGLES D.P. P	T. 926	834		11-1	15	411	0 -	221		Well and	1510	1100	1 8	12.13		3.5	0	DRILLER		A Ch	EVELANd	8
ACTUAL	10 00	T. TEPE	MIC.	VILCC	40	100	300		-	-	1 1	A STATE OF THE STA		100	37		-	1	DRKMAN	180	10M SA	NORRS	8
ENG MUD	6.C.		WIR	FLTR. CL.			DEVIAT	NOW	EPTH	DEV.	ривстон-	DEPTH	DEV.	ривестон	DEPTH	DEV.	DIRE	стюн	MTRMAN		WEA	S. d dALL	- 4
4/2 2/3		T. HOZZLE	166	PH			RECOR		184528	9	100	100		1	193	- 34	. 4		FIREMAN		WEILER	Rhamaht	-
es Ny	STR. BOOY C.D.	T. 187. NO.	23.55	SD. CONT. N	-		FROM	TO TO	TIME			IN SEQUENCE AND I			C. Park	11.73	41	<u> </u>	FLEMAN				
SMYET	100r 0.0. r	T. DEPTH OUT	4//0	PRESSURE			12:0			10	hairy	out of H	ohe -	Lay de	www ling	a) Su	b	- Control of the last	FLEHAN		181		
/4	SUES C.D. F	DEPTH IN	4/09	2.55	118	100	1.15	_	_	25	of ON	lunk 1	Ashe	7 '	D. Land			-		- 0	9		
IME .	SIT OR C.B.	TOTAL PTO	1	TYPE	AMT.	TIPE A	2.00	3.45	14	- A	WW IN	Junk,	** /	SASHE	19 -	-			2		3 1 4 5		
		TOTAL HE BUN	Prove Serving	mage	obon	10545	6 00	8:00	2	1	ILLINA	owT of	Not 5		- TEXAS		-	_		7		4	13.0
4 34.70	# RELLY DOWN	T. COMO. OF SET	100	" /	3000			0.00			*****	201 9	,,,,,,		TRE	1	1 1		,	40.00	+ 1		1
Alleo		T. REAMER HO.	-	36				1 13	-	1	1/24	1 2 1			35	8		170		4 5	197500	A PORT	The same
	er. Granage LS			DRELER	Cler	clark	200	1		1 3			4, 11, 11		1.00			-	HO, OF DAYS_	SINCE LA	ST LOST-TIME ACCID	EAT	
TEST	NO. DRILLING ASSEMBLY	13	RECORD		NUD RP	Control of the last		POOTAGE	0 COSE	Come	7	FURNATION B	T# 16	BOTART WT. CO	7 mm (.m.	UMP 110.	PUMP HO.	METHOD		DAY	TOUR 8:00	AM 4:00	LP.M.
5 1 1 40 V	12 STANES D. 3745 .	PT. BIT HO.	16	TIME "	1:30	1:30	FEO			e #0.			OMA	1000 h	PRESS LINE	LPA.	SEE LP.K.	200	CSEA	SOC. SEC. NO.		HAME I A	HRS.
	1 SHOLES D. 30		6/8/ 3/2	PEIGHT	11.	11,	1 11/1	2 411	2 0	1 3	CORES	2	6 6 6	15 3	900 5	52		-	DRILLER		BINA	BENSON	12
PORATOG	7 6# 2 248 K	Fr. TIPE	Hyeolog	VISCSEC	41	12				1	-							-	DREMAN	-1-1	LE	Mems	12
160 1891	D.C. 015	THE M	PHILP	PLTR CE		100	DEVIA	DOM: 01	етн	DEV.	DIRECTION	DEPTH	DEV.	ривстки	DEPTH	DEV.	DIR	естон	PIPPHAN	-1-10	J. Cre	ELAN	8
1000		T. MOZZLE	. X	10000	2000	200 A 17 A	DEVIAT	RD Shu	200	25	- 18		A STATE		v 125-	100	45.30		FLRMAN		JALA	VIDRY	12
1960	V 1000 45 V. 70 V	T. SER. MO.	4452	CONT. N	MIXIM	CWL M	PROM	TO TO	THE	DETAL	LS OF OPERATIONS	IN SEQUENCE AND	-	olu y	0.0.0	- N 0.0.	11	,	FLRMAN				
889	4.0 YOS	DEPTH OUT	7002	STEMBERS .		00	8.00	6 8.45	19	Gm	EAST .	CHILL	Re:	unte	· Acres	and and	1	47	FLRMAN.	- 1 - 1			
The Hanney	800Y 9.B.	DEPTH IN	4110		2 4		8.4	8.45	7	63	MISHED	CORE HIO	oF:		11 11		N. St. Co.				The same	1	
SECOND IN COLUMN TO SECOND	MIGRES 1	TOTAL FTG.	1111	TIPE	ANT.	TYPE A	MT. C.	9:00	14	104	236 6	open ia	151	WOK.	KERY	STOP	O.K.	_			4 2000	are a second	
		TOTAL HR. BUH	42 10 - 47	replaced	18		in	0 10:3 0 12:3 0 4:00	0 2	70	ED WILL	Win'	M. L.	0.		th. 14	1						437.4
		PT. COHO, OF BIT			1		12:3	0 4:00	3/2	N	MEINE	- Ca	DITM	UNK P	No:	- · · · · · · · · · · · · · · · · · · ·			1,10,11		14.00	9. 1 10	Q (4.5)
or .		PT. REMIER NO.	460								- 48	EX-TIM	E UNA	DARM	13mg	co For	LADA	BORD.	107, 19		o.	7 x 24	J 25 1
SE 104 1 3	NO DRILLING ASSEMBLY	SS. REAMER TYPE		DELLER		Bous				4 11	Value		OFI			une:		-	NO. OF DAYS_		AST LOST TIME ACC		
	AT ENG OF TOUR		RECORD		AUD RE	-	100	POOTAGE	DB-	-	6	PORMATION OW CORE-RECOVERY		ROTARY WT. OF RPM BIT 1000 #	PORT LIN	UNP HO.	PUMP NO.	RIN				0 -14/2:00	
	7/1	PT. MT HD.	16	THE 5	:00	4:30 10:	e0 H 10				150			1000#	100	LIFA.	utt LP.	COM-0-C	CREW	SOC. SEC. NO.		NAME	HRS.
PORK	9 834 1402		26.COLOC			10.9 10.		41/	6 C	1	CORF #	-		65 30	800 2	25		1	DRELLER		1.	a draw	14
RE LIMÉ RECORD		17FE TYPE	PAINE	WAL-CC		32 36			37.10	100								1.	DRKMAH		10 0	petition o	14
	I Cake guy	- 1 +		ATLO		33 36	DEVIAT		EPTH.	pev.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRE	естом	PIREMAN		Y A	yellard	14
1 8 MIN.		The same of the sa		PR	7.	14 74	House	77.7	1	719 1			3 3	5,480,50			20		FLRMAN		11.7	and the	17
ren .	1 STR. 5 366 133	SER. HO.	4625	BHT. S			FREE	10	THE	DETAIL	LS OF OPERATIONS	IN SEQUENCE AND		-	./1	V 4		- 7	FLEMAN	2	Cat 1	outt.	
orr	11h, 0.0.	BEFTH OUT		SHAMMET	100	1	1000	12:00	12		R.J. A		- ((ling	Ladales	OAL	Alody	1	PLRMAN		to la	- di	The
EMETH		DEPTH IN	4110	10.00 00	O. N. C. Price	AS ADDED	wt		10	1	1910	and of	-	tento	my mas	4)	- 6	_			wa. IL	446	
TEPS		TOTAL PIG.		TYPE	MAT.	TYPE .	мт.	17000	12.00	1200	TWALL C	A CONTRACT	1	126 34		DECK S	37	15 J.S.W.	14.5	11/2			1
	NAME OF TAXABLE PARTY O	TOTAL HR. RUM	P. P. San D. Co.	Mylica			Control of Control	0 100	1775	3	Servada e cua	E. Marian	Property Control	Service Land	737300	03-13-E-7	411111111	A Section	1 105			The state of the s	1000
Tars	KBLY DOWN 19	COMD. OF MY		TANCOR.	18.67	-		-	A STATE OF THE PARTY OF THE PAR	-	1	the state of the s			1000					-			-

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		LEASE					and an		2014						. 1.		and other	25			-1				
boro all C	0	Taluba	· CX	4 7h	ioles	11/	WELL HO.	FIELD	OR DIST.			975 g	COUNTY	mol	et		STATE	Luc	ebe			CREW PAYROLL DAT			
	EIG NO.	DRILL PIPE TO	DOL.	0.0.		PUMF	PS	Service P	-13 4	4	SIZE	MAKE 2		HO.	FEET	RKB. TO CSG. HD.	SET AT		REMARKS	11 3	DATE	lu gust	0 -19	N N	· 6
Lotory Steller	NG COMPANY #	HO, MER	FFE THO.	NO.		ACTURER			STROKE LENGTH	CASING	12.50	No.	1		100	16.11	design Ed	1	199	A.c.	WELL NAM	EL NO. Tada	boro (" A	Thewlett'1	- 0
OPERATOR'S REPRESENTATIVE	MONATURE OF COM	TRACTOR'S TOOL PUBLI		1. 14	ketro	eat	15	508	12	TUBING .	1 3	Se 194			1			7	51	-	COMPANY	Tadal	goo ale	l co	200
20 F		NA .		3		4 - 17 - 1				of the second	9%		200	7	10.3	-	36			-	TOOL PUS	un Yay	W	1	RIG NO.
TRIBUTION, MILES	HO. DRILLING ASSEABLY	BITR	ECORD		AUD RI	ECORD	W.Y.	PC	OTAGE	10,1	COME		FORMATIC	100	ROT	ARY ST. SM	PUMP PRESS LINI	UMP NO.	PUMP	NO. METH	00	MOI	RNING TOUR 12	00 PM 800	AH
MORN DAY EVE	STANS D.P. 374/3 "	T. ST 100.	15	THE.	3 60	7.00	5 192	FROM	To	CORR		-0	PORMATIO	OVERT)	R	PM 1000#	PRESS LIME	1. P.M.	SIZE	NO. METH RUN 1.P.M. SSL. COM'S	CREW	SOC. SEC. NO.	1 1 1 1 1 1 1	NAME 3	HRS.
		7. 020	834	AEICHL .	11-	11-	1	3676	403	1.		1000	2.60		200		174	J. 65		1	DRILLER	1 5	HC.	EVELAND	8
m //-	0 34	MPG	Mr.	AIR - FEC	100	38	-3	200		100											DEKMAN	100	Tom J	ANDERS	8
	2 6340 248.	T. TYPE	WTR	AT'-CC			100		-			C. C.	T	1		ECTION	DEPTH	1		DIRECTION	MTRMAN		WIA	Siddall	8
HUD 24	49	WOILE NO.	2	PLTR. CK.		200	17	DEVIATION	- 00	TH	DEV.	ривестон	DEPTH	DEV	, DIR	ECTION	DEPTH	DE	IV.	DIRECTION	- FIREMAN		Walch	Phenult	8
2/1 \$	STD.	uze	186	PR			1		LOG TO.	TIME	DETAIL	S OF OPERATION	S IN SEQUENCE	AND REMARKS		4.5			-	7.90	FLRMAN	100		7-12-5-33	
	STA O.D.	388. HO.	2355	CONT. S	25 10	100		3676		8		asking 1				6.	100	4	- 1911		FLEMAN		The second		
(AEA	Ball,	DEPTH OUT		PREMIURE			2	12:00	8:00		1.1	2		1			18 1 1			e i.	FLEMAN		1 110	4-0	
	BOOY 0.0.	DEPTH IN	4109		MID & CHO	ECALS ADDED		Ø	1000	1	3 7K	1000	75.5 16	4 1000		15.		1		- 12					
#	HTOECS. 7		10000	TYPE	MT.	TYPE	AMT.	1100	25,000		1			2 3 1				1 1		-	-		The state of the s	- 1	
	4 1					1	-	-	1		-		1 1			-			-		-1-			To the second	
1	ERLIT DORS 40 F				1000		3		100	ton.	-	7 P. J.	- 1				-	-			- (1	
	TOTAL 4031 ,	**		PRELER	1.00	relan	1		1000		1000	Trans		-	-	N 199	1 Jensell	-			NO. OF DAY	t tince i	AST LOST TIME ACC	IDENT	
	NO. DRILLING ASSEABLY		RECORD	-	The Contract of	ECORD	-		OCTAGE			CUS INC.			- 1			UMP IND.	PUMP	METH	00			0 AM 4:00	
ST	AT END OF TOUR	The Manager	RECORD	2 2 2 2 2	STATE OF THE PARTY.			FROM	TO	CORE.	CORE	Je 0	FORMATIO	DYERT)	R01	PARY WT. OH	PRESS LIN			S.P.M. PARTE	CREW	SOC SEC. NO.		A.M. M.	HRS.
8 1/3		T. SZE	V26	WEIGHT		1:00			410				OF STREET	16 3	- 5		312		SIZE	CDAT	DRILLER	SUL SEL. NO.		8 .	8
79	0.C EV	MEC.	29	VISCSEC	11.1	11.1	Mel	7001	710	- 14	100	20-1	7		1		- 6		1		DRKHAN			Benson	8
тыс	9 1/4 248		100	W.LC.C.			12	1000			76	1. C. F.	77.	1.30	1 5 2	5 3	CANC	N3		7	MTRMAN		7./	valler	8
RIPI	9.C.	1 100	D 1990	PLTR. CK	-	13	199 -	DEVIATION	DEF	PTH	DEV.	MRECTION	DEPTH	DEV	, DIR	ECTION .	DEPTH	DE	V	DIRECTION	FIREMAN		49	MORY	8
- 5	10. 00	HOZZLE 92	1120	PH	PF 30	914	7	RECORD	100	EL ADSER	3000	1 5 1	1	5.5 5.0	5 50	- 100	1000		3 3		FLRMAN		VI W	-	4 1195
at a	STE COS	SER. HO.	1	CONT. %	25/2	1	July 3	FROM	TO	TIME	DETAIL	5 OF OPERATIO	HS SH SEQUENC	E AND REMARK	GA.	EASE	+ CH	ECH IS	30:		FLRMAN			i Con	la design
888	STB. BOUT O.D.	DEPTH OUT	E TO R	CRAMMENT	1000	1,620	1154	8:00	3:00	7	150	ANTINE	- WA	SHING	104	e our	T; Cok	3. 3.	COC	4109	FLRHAN.		1 -21/1		2000
E BANKETT	BODY O.D.	DEPTH IN	W57 06			e Shirth	7	3:00	4.00		(3)	ROUT	-	ALCO AND	4.0		100				- 1	26	SALAT		0.00
3	BIT OR C.B.	TOTAL FTG.		TYPE	MAT.	TYPE	AMT.	1	-	533-5				-			45.34	1.5	-		1	3.	1 1	199	
11 19 17		T. TOTAL HR. RUM		17.32			1			1	STATE OF	1 345	100	8 3	(E. 198	1 3 1	18.4	1 2	19		1			365	2 000
A16	KELLY DOWN	T. COND. OF BIT	3		- "	-	100	5700		printer!	1	414				- 2		19-	1,5	7	1.00			120	
10	TOTAL 4/09 3	and the latest terminal to the latest terminal t			_	0	1	1. 1			187	100		1	- 1	4.	150			100	150	111		Annua Ing	احملنا
(F)	PER DELICHE ASSEMBLY	SL. REMERTYPE		DRILLER		STEA	MON	100	1		108.9		11.4	-	40.00		1		- 1	MEYN	HO. OF DAT		LAST LOST TIME AC		7.5
	AT END OF TOUR	N 12 12 12 12 12 12 12 12 12 12 12 12 12	RECORD		Mary Service	The state of the	47.		DOTAGE	-	COMP		FORMATION CORE REC		801	TARY WI. 04		PUMP HO.	PUMP LINER	S.P.H. FAR'E		1		10 .12:00	
		PT. BIT HO.	15	Test	4.00	8:30		4109	10			-		4-4	20050		200 5	/ /	SIZE	COM		SOC. SEC. NO	2/6	HAME	HRS.
x 2	D.C. 2.	PT. WZE	834	VEGET	**		****	101	4110		100		-	-	7	10	100 3	105			DRILLER		13 %	Myow	8
HE RECORD	9 63/ 248.	TYPE	Wre .	WACC		10	110	East	S. P. Carrie	-1. 5	100	J-2754	15014		T 18		4	200	41.2	100	DRKMAN MTRMAN		1 9	gellen	8
BR T- PA	o.c.	1 100	3		14		100	DEVIATION	DEP	·tu	96V.	DIRECTION	DEPTH	DEY	. DER	ECTION	DEPTH	DE	EV.	онестон	FIREMAN		11	justand	9
@ uza/ 8		HOLDLE ST	1/4	PH	-34	1		MECOMP	1	1	19.0	70000	17		0	100	138	1	-10	1996	FLRMAN	100	^	and	
The state of the s	578. 9007 0.0.	SER, MO.	3255	Bler. s	4 113	100	1 101	PROM	10	Time		LS OF OPERATIO	MS IN SEQUENCE	E MID EQUAL	CS .						FLRMAN		7-1-30/	1000	9 15 8
	NOOT O.D.	DEPTH OUT		CHERRY	Section 1	200	200		5:30				Man	NAS	-	1		111	0	1	FLRMAN		A Letter		. O. I.
	900Y 0.8	DEPTH IN	4109	Stl	-t	200,000	PPm		7:00	12	ca	Med	un 24	24/14	ands	RY	pu.	L. No	1	10	6				3 1.30
PS - " 3	MIDICA.	TOTAL FTG.	188 1850	TYPE	MAD & CHEM	TIPE	MT.	7:00	8:45	13/	CL	. 01	100-		10	ADAN	-w	15-11	1	-					8
ps .		TOTAL HR. BUM		mak	2100	1	P. Carlo	8:45	9:45	16	10	ly or	non e	IX.	100	787	10187	1000	50	-	21 William	1000			2 3 3 3
	ERLLY COM	T. COND. OF BIT	Section 1	2 7 2		200	10.00		11:15	14	Cin	do	San	The	100		L. Berry	Marie !				1			
	TOTAL T											hi													

Nº 6288	O		0			1	1														
DAII OPERATOR	LY DRILLING REPORT	LEASE	REPORT NO. 4	O DATE	8-4-6	3															
Laduboro Cel &	0	Ladul	laso 10 V)	4 Hicolet	41	WELL N	O. FIELD C	OR DIST.			COUNTY	Murle	1	STATE	Quel	6		EW PAYROLL DATA			
CONTRACTOR		RIG NO. DRILL PIPE STRING		a.p.	+ /	PUMPS				SIZE M	AKE WT. & GR.	HO. FEE		SET AT	REN		DATE LA	igust 4	1943	Nº	COOL
NORTH AMERICAN DRILL	LING COMPANY,	HO. SIZE		O.D.	MANUFACTUE		TYPE S		AST			JOHTS	CM, HD.		7		WELL HAME &	no Talubo	no P. S. H. Herli	£77	6288
MANON PLOTAN STANLE STANLES	TE SIGNAT	URE OF CONTRACTOR'S TOOL	TYPE THO.	- 72	atima	8 /			SING		1		1				COMPANY	Ta Sub	no Ceil &	.u	
				2			-	OR	LINER	974	100	0	1	36			TOOL PUSHER		_	BIG NO	4
	NO. CRELING AS	UEARLY T	NIT RECORD	1.	AUD RECOR		500	DTAGE	1		1.7	7	-	-	MP HG.	PEMP HO. METHOD	TOOL PUSIE		NING TOUR (2 00 P.	8:00	
TIME DISTRIBUTION-HOURS	NO. CHRILLING AS	FT. BIT NO.	12	THE			FROM	TO	59.0 54.0 0005.6	HO.	FORMAT (SHOW CORE RI	ION (COVERY)	BOTART SIT	PUMP PRESS LINER	S.P.M. US	RUN	CREW	SOC. SEC. NO.	NAME	HRS	
RIG UP &	SHGLES D.P.	FT. SZE	834		4.00 9		4109	-						344	1 10	Carb.c	DRILLER		A Cheve		
RILLING ACTUAL	p.c.	MFG.	. 141C.	VISCSEC	10.6 //		- 111					-					DRKMAN		Tom SANS		8
EARNIS 133	I.D. Q.D.	FT. TYPE	WIR	₩.LG.C.													MTRMAN		WIH Sid		
ONDITIONING MUD	D.C.		но. 3	FLTR. CK.			DEVIATION	DEPTH	DE	V. DIRE	CTION DEP	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	FIREMAN		WELLY Rh	EMULT 8	/
RIPS	g I.D. O.D.	FT. HOZZLE	size 1/16	PH			THE	LOG	CAPSED	1	PERATIONS IN SEQUEN	1 3					FLRMAN		/		
BRICATE RIG	ETA. BOOT O.O. STB.	FT. SER. NO.	3355	CONT. %			PROM	10	TIME /	PETAILSOFO	MING 1-1	CE AND REMARKS	1. 1. 1	SI	0 1	1	FLRMAN				
VIATION SURVEY	BOUY O.D.	FT. DEPTH OUT		PRESSURE GRADIENT				200				NE GFE	14 15.014 9 7 1	~1 JU11/5	Dril	H DIFF	FLRMAN				
ST B.O.P.	900Y 0,0.	PT. DEPTH IN	4109			1		8.00			ming 1	. 1760'					-				
TOFF	MTORCA	FY. TOTAL FTG.			ART.					.,	7						1		1	+	
PAIR RIG		FT. TOTAL HR. 8		MAGE	ban	725/2											1-				-
RING RELINE GGING	KELLY DOWN	FT. COHD, OF 81	T	_	-												1				
GGING HHING CASING CEMENTING	TOTAL	FT. REAMER HO.		000.159	100	0 0	-	-										41140			
TING ON MENT	NT. OF STRING	LBS. REAMER TYP	-	- India		cland	-								T	METHOD	HO. OF BAYS_		T LOST TIME ACCIDENT	.44 =	
IILL STEM TEST	NO. DRILLING AT	YOUR	BIT RECORD		AUD RECOR		-	DATO	DR_D RALE CORE_C	CORE .	(SHOW CORE III	FIGH FIGH FRY)	ROTARY WT. CH BIT 1000-E	PUMP PRESS LINE	R LIF	PUMP NO. METHOD RUN SE S.P. PARTIE			TOUR BICO		
HER 114	34 STANDS D.P. 31		#15	THE	3:30 12	1:00 3:00	CP/A	10	CORE_C					5128	S.P.W. 30	S.P. PARTL	CREW	SOC. SEC. NO.	0 0	HR	
INING 19	J SHOLES D.P.	O - FT. SIZE	84	WEIGHT	11.2 11.	1 11,2	2760	3302	R	ISEAM	: When	W6 70 33	02		+++		DRILLER	-	Ben Be	VSCH E	3
A, PERFORATING	6 4/1 an 1	19-6 MFG.	H.T.C.	WISC,-SEC	1/2 3	8 42						1					MTRHAN		T.E. THON		2
a, TUBING TRIPS	D.C.		war.	FLTR. CK.	-	7/-		DEPTH	DE	V, DIR	ECTION DEP	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	FIREMAN		J. Quelle		
C. SWABBING	10. 00.	PT. HOZZLE -	SIZE 11/16		-	369/3	Z RECORD										PLEMAN		J. LANDI	9 2	2 27
D. TESTING	1 STO. /	. 85 FT. SER. NO.		SO. CONT. %	0.1-	158	FROM	TO	TIME	DETAILS OF	OPERATIONS IN SEQUE	ICE AND REMARKS	MENSE !	C. C. NEC.	KIRGI		FLRMAN				
E. ADDITIONAL	STB. BOOT O.B.	PT. DEPTH OUT	3355	PRESSURE GRADIENT	5/1	200	8:00	1:30	5/2	Fint	PERATIONS IN SEQUENT OF AUTOMOTERS OT AUTOMOTERS OF AUTOMOTERS OT AUTOMOTERS OF AUTOMOTERS OF AUTOMOTERS OF AUTOMOTERS OF AUTOMO	KENNS	WASAIN	16:10	330%	2-68	FLRMAN.				
	BODY C.D.	FT. DEPTH IN	4109	- AMBRICAL I	Year.	are no	1:30	2:15	1/4	CIR:	C DNDITI	ONING MU	0;				1				
OFFEE US ONLY)	BIT OF C.B.	FT. TOTAL FTG.		TYPE	AMT.	S ADDED ANT	2:95	7.00	174	CIR.	UNKON	DING A	BRIVD	9.7			0				
RS. W/DP	BIT OR C.B.	FT. TOTAL HR.	RUN	5AHGA	115							18		-	4						
RS. WO/DP	EELLY DOWN	COND. OF BE	IT	Crarce								-	-				1				
RS, STANDBY	TOTAL 3	302 5 HEMER NO.					1														11.
	VT.OF STRING 52,0	OO LBS. REAMER TY	-	DRILLER		BENSON	-		_			-	-	-	-	lue mon	NO. OF DAYS.		AST LOST TIME ACCIDENT		
	HO. DRILLING AS	TOUR	BIT RECORD		NUO RECO	MD	_	OTAGE	DR-D RM-R	CORE NO.	FORMA'	TION ECOVERY)	ROTARY WT. DE RPM BIT 1000 #	PUMP P		PUMP NO. RUN	1-		EMING TOUR4'00 P		
	STANES O.P. 3	-	15	THE	4:30 10	30 11-3	FROM	TO TO	COREC	12			1000 #	SIZ	R S.P.M. S	ILP.M. PAR'EL-	CREW	SOC. SEC. NO.	NAME		IRS.
	SINGLES D.P.	PT. SZE	93/			.2 11.1	32.02	3676	+ +	254	aning &	Wasking	+ +	-	+		DRILLER		Ho West	8	
OTAL DAY WORK	9 43/100 2	47-3 PT. TYPE	HIC	AIRC-19C	40 4	10 72		/	+-	+				-	++		DRKMAN	-1-1-	J auch	len 8	
WIRE LINE RECORD	D.C.	49- Pt. Tree	WIR	WAC.C.	-+		DEVIATION	DEPTH	. 0	IV. DIR	встон вер	TH DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	FIREMAN		2 Hold		8
	«	PE. HOZZLE -	2	FLTR. CX			RECORD		1								FLRMAN		I Lean	air)	×
	受 1.0. 0.p.		928 1/10	PH BAT. S	_	112	FROM		TIME	DETAILS OF	OPERATIONS IN SEQUE						FLRHAM				
D. OF LINES SIZE	STB, BODY O.D.	PT. ern un	2200				lev -	8:00	11	1.	ad much	34	-	2	1	/ ^		1			\rightarrow
O. OF LINES SIZE SET SLIPPED	STB. BODY O.D.	FY, SER. HO.	5322		-	Ch.	4:00	x.00	7	and he		folias A	wente	real -	ary	for a	FLRMAN				1
O. OF LINES SIZE BET SLIPPED BET CUT OFF	578. 8007 O.D. 178. 8007 O.D. 8007 O.D.	FT. DEPTH OUT		CONT. S.		40,	-		,	add	alme	De	Vole 1 x	Of rea	ary	fre.	FLRMAN				
ID. OF LINES SIZE RET SLIPPED RET CUT OFF RESENT LENGTH	STB. O.D. STB. O.D. STB. O.D. STB. O.D. SUBS O.D.	FT. SER. HO. PET DEPTH OUT FT. TOTAL FTG	4109	CREBBER	UO & CHEMCAL	5 A00ED	-		,	Rear	alme	Denna	Viole 1 ×	et va	Arif	for e	FLRMAN				
NO. OF LINES SIZE PRET SLIPPED PRESINT LENGTH TOM M. OR TRIPS MICE LAST CUT	578. 8007 O.D. 178. 8007 O.D. 8007 O.D.	FT. DEPTH OUT	4109	CREBBER	IO & CHEMCAL	S ADDED	-		,		alme	DC +	Hode a x	et rea	And I	for a	FLRMAN				
NO. OF LINES SIZE FREET SLEPPED FRESHIT LENGTH TOM M. OR TRIPE SINCE LAST CUT COM M. OR TRIPE TOM M. OR TRIPE TOM M. OR TRIPE TOM M. OR TRIPE FROM M. OR TRIPE FROM M. OR TRIPE	STB. O.D. STB. O.D. STB. O.D. STB. O.D. SUBS O.D.	FT. DEPTH OUT FT. DEPTH IN FT. TOTAL FTG	#//09 RUN	CREBBER	7al	S ADDED	-		,		alme	De de	Vola s. of	et rea	And J	for C.	PLRMAN				
MO. OF LINES FRET LLPFED FRESHY LENGTH TOM ML. OR TRIPE SINCE LAST CUT COMMATTIVE FROM SPUD COMMATTIVE COMMATTIVE ROWATHVE ROW	STR.Y O.D. STR.Y O.D. STR.Y O.D. STR.Y O.D. STR.Y O.D. MIRE C.D. MIRE C.D. KELLY DOWN	FT. DEPTH OUT FT. PT. TOTAL FTG FT. TOTAL HR.	WOY	CREBBER		S ADDED	-		,		alme	DC. +	Wola and	et ve	2029	for &	FERMAN				

FORM 3T-4
PRINTED IN U.S.A. APPROVE





Nº 6287	V	U	1									
DA:	ALY DRILLING REPORT	REPORT NO. 39	DATE 8-3-63									
0	. 0	11	M N N N N N N N N N N N N N N N N N N N	FIELD OR DIST.	- H-114-2,15-1-1-1-	COUNTY						
	ul co		I molet #1 WELL HO.	FIELD OK DIST.		Micolet	STATE	Quebec		CREW PAYROLL DATA	1612	
ONTRACTOR	RIG NO.		O.D. PUMPS		SIZE MAKE	WT. & GR. HO. FEET	RKB. TO SET AT	REMARKS	DATE C	lugast 3	1765	Nº 62
OR'TH AMERICAN DRII	Las Gan Ed.	HD. SIZE TYPE THD.		TYPE STROKE LAST LAST CASING		i i	1 1		WELL HAM	E L HO Lake	o (J. Sheet II)	06
NATURE OF OPERATOR'S REPRESENTATI	IVE SIGNATURE OF CONT	ACTOR'S TOOL PUSHER	1. Malional 15	TUBING OR LINER				No.	COMPANY	Ladubor	o del 40	
			3	OK LINEK	9%	2	23/6		TOOL PUSH	HER		RIG NO
TIME DISTRIBUTION_HOURS	NO. DRILLING ASSEMBLY	BIT RECORD	AUD RECORD	FOOTAGE OR RM	.0			FUMP NO. PUMP NO. METHO			ING TOUR 12:00 P.M. 8 0	0 44
MORN DAY EYE	7.27 7.23	ВІТ НО. 14	TIME 3:30	FROM TO COR	R CORE	FORMATION HOW CORE RECOVERY)	ROTARY BIT PUMP PRESS I	FUMP NO. PUMP NO. METHO RUN LINER S.P.M. LINER S.P.M. SOL. SIZE S.P.M. PAREL PAREL	CREW	SOC. SEC. NO.	HAME	HRS.
UP &		SIZE 834	WEIGHT 10.8	4/109 -			1	322	DRILLER		A CLEVELANG	
LLING ACTUAL	D.C.	MFG. 1445	VISCSEC 25	77.5					DRKHAN		TOM SANDERS	
ING	I.D. Q.D.	TYPE RAIS	W.LC.C.						MTRMAN		W H S, ddith	
TIONING MUD CULATING	D.C.	NO.	FLTR. CX.	DEVIATION DEPTH	DEY. DIRECTION	DEPTH DEV.	DIRECTION DEP	TH DEY. DIRECTION	FIREMAN	1		~~
COLATING	g 1.D. O.D. FT	HOZZLE	PH	RECORD		¥ -		12.	FLDMAN		With Phanh	7-18
ATE RIG	STB. BODY O.D. FT		SD. CONT. W 194 900	FROM TO TIME	DETAILS OF OPERATION	IS IN SEQUENCE AND REMARKS			FLRMAN			
ION SURVEY	STE, BODY C.S.	21122	PRESSURE GRADIENT	12:00 3.00 3	FINES 4 6	ut of Hohi		***************************************	FLRMAN			
0.P.	RODY O.D. FT	7/07	GRADIENT	3.00 8.00 5	Condition	ing Mad.			FLEMAN			
G UNE	SUBS Q.D. PT	1000	TYPE AMT. TYPE AMT.						-			-
RIG	BIT OR C.B. FT		TYPE AMT. TYPE AMT.						. 1	-		\rightarrow
	FT	COND. OF BIT 4 13-2-7	Salt of 25 5ks						1			
KE G	KELLY DOWN FT		Salt 15 Stes						2			-
IG CASING INTING	JUTAL FT	REAMER NO.	DRILLER (O L. O.						- 1	1 1		
G ON			(1 Crescama					THE SECTION OF THE SE	NO. OF DAY		LOST TIME ACCIDENT	
TEM TEST	AT END OF TOUR	BIT RECORD	AUD RECORD	FROM TO COR	-D CORE	FORMATION SHOW CORE RECOVERY)	ROTARY WT. ON BIT PUMP PRESS	PUMP NO. PUMP NO. METHO RUM LINER S.P.M. LINER S.P.M. COMPL SIZE S.P.M. COMPL			TOUR 8:00 AM 4:0	
B		BIT NO.	TIME 3:00		E-C		1006#	SIZE S.P.M. SIZE S.P.M. CON'O	CREW	SOC. SEC. NO.	HAME	HRS.
3	SINGLES D.P. FT	SIZE SIZE	WEIGHT 18,4	4109 -					DRILLER	1 1 1	BEN BENSON	1 8
PERPORATING	LD. D.D. FT	MFG. M.T.C.	VISCSEC 46	3		4			DRKMAN		h.K. IHOMAS	8
TUBING TRIPS	I.D. O.D. FT	WYK W	W.LC.C.	DEVIATION DEPTH	DEV. DIRECTION	DEPTH DEV.	DIRECTION DEF	TH DEV. DIRECTION	MTRMAH		I Gveller	8
SWABBING	_ 3 I.D. 0.D. FT	HOZZLE NO. 3	FLTR. CK.	RECORD					FIREMAN		J. LANDRY	8
ESTING	STB. BODY O.D. FT	SIZE ///L	PH 50.	TIME LOG ELAPSE FROM TO TIME	DETAILS OF OPERATIO	NS IN SEQUENCE AND REMARK	10 4		FLRMAN			
ADDITIONAL	STB. BODY Q.D. FT	SER. NO. 3355	SD. 1. 5 14/1 205,000	8,00	7	wheel Mr.	2051 5 1 M	ek 1946 ; e 1940 Glaves epte ; est ;	FLRMAN			
8	RMR. BODY 0.0. F1	DEPTH OUT	PRESSURE GRADIENT	Cree .	PHONEST	The Hope	CHE PARKE	o Rep Claure	FLRMAN.			\rightarrow
(OFFICE USE ONLY)	SUBS O.D. FT	DEPTH IN 4109	WD 4 CHENCUS LEDGE		IN MUD	Dinet:	MIII MENE	V 11011 CONNED		1 1		\rightarrow
ex.	BIT OR C.B. FT		TYPE AMT. TYPE AMT.		LAYEDI	DOWN (PROCKED	Dell Du	DE!	-			
pe l	PT	TOTAL HR. RUN	BAMAD 23	4:00 8	Trun 13	J & Dall On	DARS by	10/2:				\rightarrow
/DP	KELLY DOWN FT				WASTING	ON DRILL	NI 700	2:				\rightarrow
TANDBY	TOTAL FT								- 1			$\bot\bot$
	WT. OF STRING LBS		DRILLER STATEMENT				, , , , ,		NO. OF DAY		ST LOST TIME ACCIDENT	
	NO. DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD		FOOTAGE DR	-B CORE	FORMATION SHOW CORE RECOVERY)	ROTARY WT. ON PUMP RPM BIT PRESS	PUMP NO. PUMP NO. METHO		EVE	HING TOUR 4:00 PM 12:0	26 P.M.
		81T NO. 15	4:30 11:00	FROM TO COR	L.C	SION CORE RECOVERTY	1000#	LINER S.P.M. LINER S.P.M. PAR'EL COM'O	CREW	SOC. SEC. NO.	NAME	HRS.
	SINGLES D.P. FT	0 129	WEIGHT 11.5 11:5						DRILLER		A. De Show	- 8
DAY WORK	6 oct n 160"	MFG. HIC	viscsec u3 39				+ + +	. —	DRKMAN		8 Eine	8-
WIRE LINE RECORD	D.C. FT		W.LC.C.			1			MTRMAN .		9. Hubband	8
10.		HOZZLE HO. 3	FLTR. CK	DEVIATION DEPTH	DEY. DIRECTION	DEPTH DEV.	DIRECTION DEF	TH DEY. DIRECTION	FIREMAN		of Leanile	9
LINES SIZE	I.D. G.D. FT STB. BODY G.D. FT	SIZE TU	PH	TIME LOG ELAPSI	iD	NS IN SEQUENCE AND REMARKS			FLRMAN		/-	
LIPPED	BODY O.D. FT	- SER. NO. 1 5 2 2 7	CONT. %	1.00 9:30 4%	DAY T		- 1.0	1.1.	FLRMAN			
UT OFF	RMR. BODY O.D. FT	DEPTH OUT	PRESSURE GRADIENT	1.00 0.30 12	" aling s	or looks Bear in	palales	state.	FLRMAN			
	SUBS 0.0 FT	DEPTH'SH 1/109		130 10:00 1/3	Opin in	Half with	D. K / 17	carate o				
NT LENGTH		TOTAL FTG.	MUD & CHEMICAL'S ADDED TYPE AMT, TYPE AMT.	10.10 1/2	of Plan	2236 to 1	for to DE	** > > > > >	- ;	1	- 1 4	17.0
LOR TRIPS	BIT OR C.B. FT					10/	all m		T -			
OR TRIPS LAST CUT ATIVE OR TRIPS	BIT OR C.S. FT	TOTAL HR. RUN			0 0	· ·						i
LOR TRIPS LAST CUT ATIVE OR TRIPS DAYS PIED	SIT OR C.S. FT KELLY DOWN FT			10:00 12:00 3	1	1201			- 1			-
NT LEMOTH LOT TRIPS LAST CUT ATIVE OR TRIPS DAYS SPUD ATIVE INIG MES.	KELLY DOWN FT		DMLLER // S)	10:00 12:00 2	Reaning	130'		-	-			

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	AILY DRILLING REPORT	REPORT NO. 3	8 DATE 8-2-63				
Lashaboro Cel		LEASE A	I Mirolel # 1 VELLH	D. FIELD OR DIST.	COUNTY ->2.1	olet STATE Lucles	DEILLING CREV PAYROLL DATA
TRACTOR	RIG ND.	DRILL PIPE TOOL STRING JOINT	PUMPS	- 1 h	SIZE MAKE WY. & GR. NO.	FEET RES. TO SET AT REMARKS	- A. m. 1 491.3
RTH AMERICAN DRH	LLING COMPANY 4	STRING JOINT	O.D. MANUFACTURER	TYPE STROKE LAST	SIZE MAKE WY. & GR. HOL	CSG, ND. SET AT REMARKS	WELL NAME & NO. Feelen Land Cold Heckel HIN 9 62
ATURE OF OPERATOR'S REPRESENTA	lus Can Ital. 7	TYPE THO.	A: A	CASING	7		WELL HAME & HO Sentential Control of Sentential
ATURE OF OPERATOR'S REPRESERVE	MINE SHOW TOKE OF CO.	TRACTORS FOOL POSIER	2 // 4	503 12 TUBING OR LINER	de Tala	30	COMPANY Ladreboro Oct co
esta 1			3 /	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	998 7	236	TOOL PUSHER / / RIG NO.
TIME DISTRIBUTION_HOURS	NO. DRILLING ASSEMBLY	BIT RECORD	/ MUD RECORD	FOOTAGE DRB	come FORMATION	ROTARY ST. ON PUMP NO. PUMP NO. M	THOD MORNING TOUR /2 00 P.M. 8 00 A.M.
MORH DAY EYE	STANDS D.P.	FT, BIT NO.	11 30 600	FROM TO COREC	NO. (SHOW CORE RECOVERY)	ROTARY WIT. ON PUMP PUMP MO. PUMP NO. P	TEL.P CREW SOC. SEC. HO. NAME HRS.
DOWN		FT. SIZE	WEIGHT 9.8 12.00	4109 -		· ·	DRILLER A CLEVELANS &
NG ACTUAL	D.C.	MFG.	viscsec 3 9		1 1	642	DREMAN TOM SANGERS 8
iG .	1.D. Q.B.	FT. TYPE	W.LC.C.				MTEMAN LUM H S, J dALL 8
TIONING MUD ULATING	1	NO.	FLTR. CK.	DEVIATION DEPTH D	EV. DIRECTION DEPTH DEV	DIRECTION DEPTH DEV. DIRECTI	M FIREMAN WELLY PARAGET 8
	LD. 0,D.	FT. HOZZLE SIZE	PH	RECORD			FLEMAN CORE TO THE TABLE OF THE
TE RIG	STB.	FT. SER, NO.	SP. CONT. %	FROM TO TIME	BETAILS OF OPERATIONS IN SEQUENCE AND REMARK	1	FLRMAN
ON SURVEY	BODY O.D.	PT. DEPTH OUT	PRESSURE GRADIENT	1200 6:00 6	Mry Mad		FLRMAN
A.P.	SODY O.D.	DEPTH IN	GRADIENT	6:00 8:00 2	Working Pies -	LAY down 2 JoinTs.	FLRMAR
G LINE	3015 0.0	TOTAL FTG.	TYPE ANT. TYPE AMT.		,	,	
lig	BIT OR C.B.	TOTAL HR. RUN					
J.		COND. OF BIT	MAGCOBAR 135 Sts				_ 1
E	KELLY DOWN	71.	Saht SEL 10 Strs				
CASING	TOTAL	FT. REAMER NO.	201100				
ON)		BS. REAMER TYPE	DRILLER A Cleveland				NO. OF DAYS SINCE LAST LOST TIME ACCIDENT
EM TEST	HO. DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	AUD RECORD	FOOTAGE DELD		ROTARY WT, ON PUMP HO, PUMP NO.	RUN DAY TOUR 8:00 AM 4:00 P.M.
	STANDS D.P.	FT. BIT NO.	TIME	FROM TO CORE_C	HO. (SHOW CORE RECOVERY)	RPM 1000 // PRESS LIMER S.P.M. LIMER S.P.M. F	REL.P CREW SOC. SEC. NO. NAME HES.
	SINGLES D.P.	FT. SIZE	WEIGHT	4109 -			DRILLER BENSON 8
ERFORATING	ac.	MPG.	VISCSEC		1 74 5	- A	DREMAN L. F. THE MASS. 8
USING TRIPS	1,0, 0.0,	FT. TYPE	W.LC.C.	11.11.11	feli DK		MTEMAN J. CLUEN &
MARRING		HO.	FLTR, CK.	DEVIATION DEPTH I	EV. DIRECTION DEPTH DEV	DIRECTION DEPTH DEV. DIRECT	MITEMAN J. CONT. N. S.
ESTING	STR.	FT. HOZZLE SIZE	PH .				FLEHAN JANASAY C
BDITIONAL	BODY O.D.	SER. NO.	CONT. %	FROM TO TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARK	1	FLEMAN
POTTORAL	STB. BODY Q.D. RMR. BODY Q.D.	FT. DEPTH OUT	PRESSURE	8:00 4:00 B	WORKING TIPE	: LAYED DOWN 9 JOINT ;	FLRMAN
TIME SUMMARY	CIDS .	PT. DEPTH IN			TAYING TO KIR	HKE CIR:	_
TIME SUMMARY (OFFICE USE ONLY)	0.D.	TOTAL FTG.	TYPE AMT. TYPE AMT.				_;
IK .	BIT OR C.B.	FT. TOTAL HR. RUN	TIPE MIL. TIPE 251.				
		FT. COND. OF BIT					
DP		FT. REAMER NO.					-1
NDBY		BS. REAMER TYPE	DRILLED TO	1/ 1			NO. OF DAYS SINCE LAST LOST TIME ACCIDENT
	NO DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	FOOTAGE PROD		The state of the s	
	STANDS D.P.			FROM TO CORE-C	FORMATION No. (SHOW CORE RECOVERY)	ROTARY WT. DH PUMP PO. PUMP NO. PUMP NO.	RUM EVENING TOURS OF P.M. 2.00 P.M.
	STAROS D.P.	FT. BIT NO.	TIME 8:30			1000 # PRESS LINER S.P.M. LINER S.P.M. SIZE S.P.M.	
		FT. SIE	**************************************	4109			DRILLER H. Je Straw &
	SINGLES D.P.						DRKMAN R. Quille 8
	o.c.	MFG.	VISCSEC 40				MTRMAN & Neubland &
WIRE LINE RECORD	SHGLES D.P. 9.C. 1.D. 0.B.	FT. TYPE	AT'-C'C'		eu oprezión cere	NECTION POST	
WIRE LINE RECORD	9.C. 1.B. 0.B.	FT, TYPE NO.		DEVIATION DEPTH C	SEV. DIRECTION DEPTH DEV	DIRECTION DEPTH DEV. DIRECT	FIREMAN I Leanie 8
WIRE LINE RECORD	0.C. 1.D. 0.D. 0.C.		VAC.C. FLTR. CX PR	RECORD			FIREMAN I Leanie &
WIRE LINE RECORD	0.C. 1.D. 0.D. D.C. 1.H. 0.D. STR. STR. STR. STR.	FT. TYPE NO. NO.	VAC.C. FLTR.CX PM BNT. 7.	TIME LOG ELAPSED	DETAILS OF OPERATIONS IN SEQUENCE AND SOME		FIREMAN J Jeanie 8
WIRE LINE RECORD IMES SIZE PPED T OFF	0.C. 1.B. 0.D. 1.B. 0.D. 1.B. 0.D. 1.B. 0.D. 1.B. 0.D. 1.B. 0.D.	FT. TYPE NO. NO. SEE NO. SEE NO.	VAC.C. FLTR. CX PR	RECORD	DETAILS OF OPERATIONS IN SEQUENCE AND REMARK		FLEMAN J. Jeanie &
WIRE LINE RECORD LINES SIZE RPPED TT OFF T LENGTH	9.C. 1.B. 9.D. 9.C. 1.B. 0.D. 1.B. 0	FT. TYPE NO. NOZZLE NO. SIZE PT. T.T. SEFT OUT	VIC.C. FLTR. CX PM BMY. 5 PRESSURE GRANIENT	PRODUCT COLUMN TO THE 4.00 6.20 25			FLEMAN J J.Can.i. S
WIRE LINE RECORD LINES SIZE SPPED TY OPF T LENGTH OR TRUPS	0.C. 1.B. 0.D. 1.F. 0.D. 378. 8007 0.D. 1.B. 0	FT. TYPE NO. NOZZLE NO. SIZE FT. SER. NO. DEFTS OUT	VIC.C. FLTR. CX PM BMY. 5 PRESSURE GRANIENT	TIME LOG ELAPSED	DETAILS OF OPERATIONS IN SEQUENCE AND REMARK		FLEMAN J Lane
D. LINES MZE LIPPED UT OFF T LENGTH OUT TRIPS LAST CUT VITYE	0.C. 1.D. 0.D. 1.F. 0.D. 378. 9007 0.D. 1107 0.D. 1108 0.D.	FT. 17PE NO. 19PT. NO. 19PT. SER. SER. SER. SER. SER. SER. SER. SER	VAC.C. FLTR.CX PM BNT. 7.	## LOO S. AP MED TO TIME 19 19 19 19 19 19 19 1	DETAILS OF OPERATIONS IN SEQUENCE AND REMARK Ningging and To Begg Cin + Con of much		FLEMAN J Lane
WIRE LINE RECORD D. LINES SIZE LIPPED UT OFF TI LENGTH OR TRIPS OR TRIPS OR TRIPS	0.C. 1.D. 0.D. 1.E.	FT. TYPE NO. NO. NO. SIZE SIZE SER. NO. DEFIN OUT TOTAL FTC.	VIC.C. FLTR. CX PR BNY. 5 PRESSURE GRANIENT	PRODUCT COLUMN TO THE 4.00 6.20 25	DETAILS OF OPERATIONS IN SEQUENCE AND SEGMENT Singly of the Begg Cin + Con of world Comments of the	Wall Wall	FLEMAN J Lane
VIRE LINE RECORD A. LINES SIZE LIPPED JT OFF T LENGTH OR TRIPS AST OUT	9.C. 1.D. 0.D. 9.C. 1.E. 0.D. 3097 0.D. 9.Th. 1.D. 0.D. 9.Th. 9.	TYPE NO. NOZILE SIZE FT. SER. NO. DEPTH OF OUT T. TOTAL FTC. TOTAL HR. RUN	VIC.C. FLTR. CX PR BNY. 5 PRESSURE GRANIENT	## LOO S. AP MED TO TIME 19 19 19 19 19 19 19 1	DETAILS OF OPERATIONS IN SEQUENCE AND REMARK Ningging and To Begg Cin + Con of much		FLEMAN J Lane

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A.A.O.D.C--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM







ERATUR	ILY DRILLING REPORT	REPORT NO.	DATE 8-1-63														
Laduboro Cle	l Co	Laduboro C. X.	& Misolet #1 WELL	HO. PIBLD O	a DIST.	1	COUNTY	Thiole	+	STATE	Zve	. /		DRILLING CRE	W PAYROLL DATA		
NTRACTOR	RIG NO.	DRILL PIPE TOOL STRING JOINT	O.D. PUMPS			926	MAKE NT. & CO.	HO. PE	ET REB. TO	SET AT		Ham	_	DATE / de	· · · · · ·	1 1963	
RTH AMERICAN DRIL	LING GOMPANY	NO. SIZE TYPE THD.	HO. MANUFACTURES	TYPE ST	LAST			JOINTS	CSG. ND.	12.7.				DATE	for 8	1 1963	Nº 62
ATURE OF OPERATOR'S REPRESENTATI	IVE SIGNATURE OF CO	HTRACTOR'S TOOL PUSHER	1. national	1500 1					-					WELL NAME &	NO. LUKEBO	no (J) Hearlest	,
Theo. 28. 7:	- 0		2		OR LINER		-							COMPANY	udutor	· Cerl Co	
TIME DISTRIBUTION HOURS	NO. DRILLING ASSEMBLY	T	X .	-		918		7		236				TOOL PUSHER			RIG NO.
MORN DAY EYE	AT END OF TOUR	BIT RECORD	MUD RECORD	F001	TAGE to	cone	FORMA (SHOW CORE II	TION	BOTARY BIT	PUMP	CINER S.P.M.	PUMP I	NO, METHOD RUN		MORN	HING TOUR 12 00 PM 8 0	O AM
& MURRI DAT ETE		FT. SIZE	VECHT		70 (04	2.6			27H 3000		HEE CPA	SZE 1	A. P. A. S. S.	CREW	SOC. SEC. NO.	NAME	HRS.
NG ACTUAL	B.C.	MFG.		4109	-	-	- 6		-	-		-	-	DRILLER		A ChEVELAN	d 8
NG ACTUAL	1.0. 0.0.	FT. TYPE	VISCSEC W.LC.C.	_		-			-	+		++	-	DRKMAN		Tom SANdERS W#14 SiddA	8
FIONING MUD	D.C.	NO.	PLTR/CX.	DEVIATION	DEPTH	DEV.	DIRECTION DEP	TH DEV.	DIRECTION	Der	TH DE	FV I	DIRECTION	MTRMAN		WELT SIDDAN	18
ULATING	g I.D. 0,D.	FT. HOZZLE SIZE	PH	RECORD						1		-	DINECTION	FIREMAN		WELley Phina	47 8
ATE RIG		FT. SER. NO.	SD. CONT. %	FROM	TO TIME	DETAIL	OF OPERATIONS IN SEQUE	CE AND HENARKS						FLRMAN			
ION SURVEY	BODY O.D.	FT. DEPTH OUT	PRESSURE GRADIENT		7:00 7	0	RCHLATING	4 6 un	PITS -	Wait	on Fi	shar	RNIAN.	FLRMAN			
O.P.	BODY O.D.	DEPTH IN	URAUENI	7:00	8:00 1	1	BAN FrEE	POINT	1 Al ste	A10 -				FLRMAN		-	
F IG LINE		FT. TOTAL FTG.	TYPE AMT. TYPE AMT	_		_								3	-		\rightarrow
RIG	DIT OR C. W.	FT. TOTAL HR. RUN	1072 2011	1-+	-			-						-			
		FT. COND. OF BIT		-	15												
NE G		FT. REAMER NO.			*									-			
G CASING NTING		DS. REAMER TYPE	DRILLER a Cleveland	-						-				NO. OF DAYS_			
CON	NO. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	Pogr	TAGE CO	in			****** FT. C	-	PUMP NO.	PUMP H	METHOD	NO. OF DATS		LOST THIS ACCIDENT	
STEM TEST	STANDS O.P.	FT. BIT NO.	TIME	FROM	10 cos	-D CORE NO.	ISHOW CORE R	HONERA)	ROTARY BIT	PRESI	LIMER SUS S.P.A.	LINES	RUN SGL-3 PAR ELP	-		TOUR 4:00 AM Pil	
76		PT. SIZE	WEIGHT	4109	ed.		-				191 65.5	Titte .	COMPC	CREW DRILLER	SOC. SEC. NO.	TO CO	HRS.
PERFORATING	D.C.	MFG.	VISCSEC	-//	_									DRIGMAN	++-	Sen BENECH Lit Jacobs	3
TUBING TRIPS	I.D. 0.D.	FT. TYPE	W.LC.C.			- 1	- 4	- 1						HTPHAN		with Jugary	2
SWABBING	D.C.	NOZZLE NO.	FLTR, CK.	DEVIATION	P DEPTH	DEV.	DIRECTION DEP	DEV.	DIRECTION	DEP	TH DE	W. 1	онестон	FIREMAN		J. CYVERIN	SOMOO
TESTING	STR.	SIZE	PH		DG ELAPSE	F 1								FLRMAN		J. LANDRY	- 2
ADDITIONAL	BODY O.D.	FT. SER. NO.	SD CONT. %		TO THE	BETAL	OF OPERATIONS IN SEQUE	CE AND TEMARKS	14/1	,,				FLRMAN			
8	RMR.	FI. DEPTH OUT	PRESSURE GRADIENT	8:10		110	WAINE	DEJEX.	PVEI	10	come			FLRMAN-	201		1.00
TIME STREETY (OFFICE USE -LY)	enibe .	FT. DEPTH IN		2.		140	NNING L	and bit	FRI	1	WHED	45	_		7		2.2
ORK .	BIT DR C.B.	FT. TOTAL FTG.	TYPE AMT, TYPE AMT.		7 4		7,4			-				-			
OP .		FT, TOTAL HR. RUN					and Table		7								
0/09		FT. COND. OF BIT		-	the way		4,4				-	- 1-					
ANDBY		FT. REAMER NO. BS. REAMER TYPE	12 12	1		-			-	-							
	NO DRILLING ASSEMBLY	BIT RECORD	DRILLER SON SONSON	FOOT		+			7	-	-	-		NO. OF DAYS.	SINCE LAST	T LOST TIME ACCIDENT	
	AT END OF YOUR			FROM	Re.	d come	(SHOW CORE &		BOTARY BT. 0 BPA BIT 10004	* FORF	PUMP NO.	PUMP H	O. RUN		EVEN	ING TOUR 4/200 PM/2:0	20 PM
		FT. BIT NO.	TIME 10:20		10 cos	1.4			1000-	ream	SEE SP.A.	925 5	P.E. PAR'EL-P	CREW	\$0C. SEC. NO. "	MAME	HRS.
				111100					-	-		-	_	DRILLER		HILLY	8
DAY WORK		FT. SIZE	WEIGHT	4109										DRKMAN		Q 19	0
	SINGLES D.P.	MFG.	VISCSEC 47	4109									_			IT Carellen	
WIRE LINE RECORD	SINGLES D.P. D.C.	PT, TYPE NO.	VISCSEC 4/1	DEVIATION	DEPTH	DEV.	DIRECTION DEP	TH DEV.	DIRECTION	DEP	TH DE	v. t	DIRECTION	MTRMAM		9 History	8
WIRE LINE RECORD	SINGLES D. P. D.C. 1.D. 0.D. D.C. 1.D. 0.D.	MFG.	VISCSEC 47	DEVIATION RECORD	ì				DIRECTION	DEP	TH DEN	v. t	DIRECTION	FIREMAN		I Leani	
WIRE LINE RECORD 10. LINES SIZE	SINGLES D.P. D.C. I.D. 0.D. D.C. L.D. 0.D. STR.V 0.D.	MFG. TYPE NO. HOZZLE SIZE FT. SER. NO.	VISCSEC 4/2 W.LC.C. FLTR. CK	DEVIATION RECORD ,	DG ELAPSE	D DETAIL	GF OPERATIONS IN SEQUE	CE AND REMARKS			-	v. 1	DIRECTION	FIREMAN		L Lami	8
WIRE LINE RECORD 40. LINES SIZE BLIPPED	SINGLES D.P. D.C. I.D. 0.D. D.C. L.D. 0.D. STR.V 0.D.	HFG. TYPE HO. HOZZLE SIZE	VICSEC 4/2 W.LC.C. FLTR. CK PH	DEVIATION RECORD	DG ELAPSE	D DETAIL	GF OPERATIONS IN SEQUE	CE AND REMARKS			-	200	DIRECTION	FIREMAN		Historia	8
WIRE LINE RECORD NO. SLINES SIZE SLIPPED CUT OPF	SINGLES D.P. D.C. I.D. 0.D. 1.D. 0.D. STR. STR. SOUND O.D. STR. SOUND O.D. RIME, SOUND O.D. RIME, SOUND O.D.	MFG. TYPE NO. MOZZLE NO. SIZE FT. SER. NO. FT.	VISCSEC W.LCC FLTR. CK PH Shrt. s PRESSURE GRADIENT	DEVIATION RECORD	TO THE	D DETAIL	GF OPERATIONS IN SEQUE	CE AND REMARKS	de wa	and a	-	200	PIL	FIREMAN FLRMAN		J. History	8
WIRE LINE RECORD NO. * LINES SIZE SLIPPED CUT OFF DIT LENOTH LOR TRIPS LOR TRIPS	SINGLES D.P. D.C. I.D. O.D. D.C. SYR. BODY O.D. STR. SORY O.D. SURS O.D. SURS O.D.	MFG. PT. TYPE NO. NOZZLE NO. SIZE FT. SER. NO. DEPTH OUT	VISCSEC W.LCC FLTR. CK PH Shrt. s PRESSURE GRADIENT	DEVIATION RECORD	TO THE	D DETAILS	S OF OPERATIONS IN SEQUE	CE AND REMARKS	Jan 3		-	200	DIRECTION	FIREMAN FLRMAN		J. Leani	8
WIRE LINE RECORD NO. * LINES SIZE SLIPPED CUT OFF ENT LENGTH 8. OR TRIPS LAST CUT AT WE	SINGLES D.P. D.C. I.D. O.D. I.D. O.D. STR. SODY O.D. SINS O.D. SURS O.D. SURS O.D.	MFG. PT. TYPE MO. FT. MOZZLE SIZE FT. SER. NO. PT. DEPTH OUT TT. DEPTH HIM TT. TYPE IN THE TYP	VISCSEC 4/2 W.LCC FITR.CK PN 88NT. s	DEVIATION RECORD	TO THE	D DETAILS	GF OPERATIONS IN SEQUE	CE AND REMARKS	Jan 3	and a	-	200	PIL	FIREMAN FLRMAN		J. Lesmi	8
NO.	SINGLES D.P. D.C. I.D. O.D. D.C. SYR. BODY O.D. STR. SORY O.D. SURS O.D. SURS O.D.	MFG. TTPE NO. FT. HOZZLE SIZE FT. DEPTH OUT DEPTH IH TOTAL FTG.	VISCSEC W.LCC FLTR. CK PH Shrt. s PRESSURE GRADIENT	DEVIATION RECORD	TO THE	D DETAILS	S OF OPERATIONS IN SEQUE	CE AND REMARKS	Jan 3	and a	-	200	DIRECTION	FIREMAN FLRMAN		J. History	8

	ILY DRILLING REPORT	REPORT NO. 3	6 DATE 7-31-63															
OP ERATOR	il co	LEASE). FIELD O	R DEST.		COUNTY	71	11	\$1.	TATE	7	bec	DRILLING CR	EW PAYROLL DAT	TA		
CONTRACTOR	RIG NO	Jaduboro ()/				SIZE	MAKE WT. & GR.	The	FEET RKB.	TO SET A	O		urks .	1	Ly 31	1963		001
	HINGGOTTERMY H	DRILL PIPE TOOL STRING JOINT NO. 612E	0.D.	51	ROKE LAST	SIZE	MAKE WT. & GR.	NO.	CSG, 1	HD. SET A	AT .	KEM	(AKKS	DATE	1001	los CIB Herlets 1	Nº 62	284
SONATURE OF OPERATOR'S REP ESENTATI	eller Pun Ktil 7	TYPE THD.	HO. MANUFACTURER L. Hatonul /		CASING	_				-	-			WELL NAME &	HO. Lewis	ore cal co		
SIGNATURE OF OPERATOR'S REPRESENTATI	VE SIGNATURE OF CO	DHYRACTOR'S TOOL PUSHER	2 Hawanas	3013 1	2 TUBING OR LINER									COMPANY_2	adulor	are car a		4
The W. 7			1			978	4	7		231	6			TOOL PUSHE			RIG NO.	4
TIME DISTRIBUTION-HOURS	NO. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	F00	TAGE OR	.0 CORE	FORM	ATION	ROTARY	BIT PUE	PUMP	MO.	PUMP NO. METHOD RUN SGLS IZE S.P.M. AR'ELI COM'S	4	MO	THING TOUR 12 00 PM 8	6 0 A.M.	
MORN DAY EVE		FT. DITHO.	Their	FROM	TO COR	E.,C HO.	(SHOW CORE	RECOVERY)	RPM	1000# PRE	ICLE	S.P.M. Life	NER S.P.M. SGLS	CREW	SOC. SEC. NO.		HRS.	
IG UP &	SINGLES D.P.	FT. MZE	YEGHT	1109										DRILLER	11	A. Chevela	10 8	
RILLING ACTUAL	D.C.	MFG.	VISCSEC											DREMAN		Tom SANdER.		
EAMING	i.D. O.D.	FT. TYPE	W.LC.C.											MTRHAN		WEH 5, Ida	14 8	
ONDITIONING MUD CIRCULATING	D.C.	NO.	FLTR. CK.	DEVIATION	DEPTH	DEV.	DIRECTION DE	PTH D	V. DIRECTIO	4	DEPTH	DEY.	DIRECTION	FIREMAN		WELLY RhEA	4LT 8	
RIPS	1,0. 0.0.	PT. HOZZLE SIZE	PH	RECORD										FLRMAN	11	002411	7.7	
UBRICATE RIG	STB. BODY O.D.	FT. SER, NO.	SO, CONT, X	TIME L	TO ELAPSI		ALS OF OPERATIONS IN SEQUE							FLRMAN				
EVIATION SURVEY	STR. BODY O.D.	FT. DEPTH OUT	PRESSURE GRADIENT	1200		13	AN IN Mo	1. E Se	caned o	~ 70	Pipi	•		FLEMAN				
EST B.O.P.	RMR. BODY O.D. SUBS	FT. DEPTH IN	GRADIENT	-										PLEMAN				
OT OFF	SUBS O.D.	FT.	TYPE MAT. TYPE MAT.		8.00 8	1-	TIENIS TING	10 19	MCK off	. 00	C.1	_		1	-			
EPAIR RIG	BIT OR C.B.	FT. TOTAL PTG.	TYPE MIT. TYPE MIT.											. 1				
		PT. TOTAL HR. RUN												1-				_
ORING DRELINE OGGING	KELLY DOWN	PT, COND. OF BIT												1-				
LOGGING TURNING CASING LOEMENTING	TOTAL	FT. REAMER NO.				-									1 1			
L CEMENTING VALTING ON CEMENT		LBS. REAMER TYPE	once a cleveland									_	40000	NO. OF DAYS	SINCE LA	AST LOST TIME ACCIDENT		
	NOL DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	F00	TAGE DI	CORE		ATION	ROTARY RPM	WT, ON PU		P NO.	PUMP NO. METHOR	,	DA	AY TOUR A.M	P.M.	
ORILL STEM TEST	STANDS D.P.	PT. BIT NO.	TIME	FROM	TAGE bi	E_C HO.	(SHOW CORE	RECOVERY)	RPM	1800# PRI	ESS LINER	S.P.M. 50	IMER S.P.M. SGL-S FAR EL-	CREW	SDC. SEC. NO	. NAME	HRS.	
THER 8	SINGLES D.P.	FT. SIZE	WEIGHT											DRILLER		Ben BENSON	,	
ISHING	D.C.	MFG.	VISC,_SEC							1	- 70			DRKMAN		h. K. Turns	8	
A. PERFORATING	1.0. 0.0.	FT. TYPE	W.LC.C.											MTRNAN		J. Queller	8	
B. TUBING TRIPS	D.C.	NO.	FLTR. CX.	DEVIATION	DEPTH	DEV.	DIRECTION DE	PTH D	V. DIRECTIO	ON .	DEPTH	DEY.	DIRECTION	PIREMAN		J. LANDRY	8	
C. SYABBING	1.0. 0.0.	FT. NOZZLE SIZE	PH PH	RECORD										FLEMAN		J. K. PALLY	-	1
D. TESTING	STB. BODY O.D.	FT. SER, HO.	SD. CONT. %	FROM		DET.	AILS OF OPERATIONS IN SEQU	ENCE AND REMA	RKS					FLRIAN				
E. ADDITIONAL	STB. BODY O.D. RMR. BODY O.D.	FT. DEPTH OUT	PRESSURE GRADIENT	8:00		5	TAUL SWOT L	DANI C	Mar Sus	· M	Bac	KO	FF:	PLRMAN.				$\overline{}$
TOTALS	RMR. BODY O.D.	PT. DEPTH IN	GRADIENT	11:00	4:00 5	11	BITING ON	FISHER	MON:					LERONIC				_
TIME SUMMARY (OFFICE USE OHLY)	SUBS 0.D.	FT. TOTAL PTG.	MUD & CHEMICALS ADDED TYPE AMT. TYPE AMT.			_								- 1				
DAY WORK	BIT OR C.B.	FT.	TYPE AMT. TYPE AMT.											- 1				
HRS. W/DP		PT. TOTAL HR. RUN				1	2: i Comes,	155:						. !				
HRS. WO/DP	KELLY DOWN	FT. COND. OF BIT		-										. 1				-
HRS. STANDBY	TOTAL	FT. REAMER NO.				_												
		LBS. BEAMER TYPE	DRILLER JOEN SON			_		-	, , , ,				- Augusta	NO. OF DAYS.		LAST LOST TIME ACCIDENT		
	NO. DRILLING ASSEMBLY AT END OF TOUR	SIT RECORD	MUD RECORD	FOC	DTAGE DE	CORE	FORM	ATION RECOVERY)	ROTARY	BIT PRE	PUM	IP 140.	PUMP NO. METHO RUN	1	E	VEHING TOURY : 00 PM/2.	00 P.M.	
	STANDS D.P.	FT. BIT NO.	THE	FROM	TO COS	E.C HO.	(SHOW CORE	RECOVERT)	RPM	1900# PRE	SIZE	S,P,H.	PUMP NO. RUN INER S.P.H. SGL-S PAR'EL- COM'D-	CREW	SOC. SEC. NO	O. NAME	HRS.	
	SINGLES D.P.	FT. SIZE	ADOLL								-			DRILLER		A We Stra	w 8	
TOTAL DAY WORK	D.C.	MPG.	VISCSEC					-						DRKMAN		P. Elwillen	8	
WIRE LINE RECORD	1.D. O.D.	FT. TYPE	W.L.,-C.C.									1,		MTRMAN		Q. Hubbar	18	
AEEL NO.	D.C.	NO.	FLTR. CK	DEVIATION	БЕРТИ	DEY.	DIRECTION DI	EPTH D	EV. DIRECTION	ON	DEPTH	DEV.	DIRECTION	FIREMAN		If Lanie	8	
	1.D. O.D.	FT. NOZZLE SIZE	PH		100 1 8 18	ên i								FLRMAN			-	
NO. OF LINES SIZE	STB, BODY O.D.	FT. SER NO	Shr. s	FROM	TO TIM	DET	ALLS OF OPERATIONS IN SEQU		RKS					FLRMAN				
		PT.	PRESSURE GRADIENT	4:00	2:00 8%	1	Vaiting on	Acker	Ton district					FLRMAN				
FEET SLIPPED	STB. O.D.	BERTH OUT				1	•	/						- 1	. 1 1			
FEET SLIFFED FEET CUT OFF	STB. BODY O.D. RMR. BODY O.D.	PT, DEPTH OUT	GRAMENI												3 4			
FEET SLIPPED FEET CUT OFF PRESENT LENGTH	STB. O.B.	FT. DEPTH IN		-		_			3-									-
FEET SLIPPED FEET CUT OPF PRESENT LENGTH TON MI. OR TRIPS SINCE LAST CUT	STB. STB. SDDY	FT. DEPTH IN FT. TOTAL FTG.	TYPE ANT. TYPE AMT.			C	i . Jun	ring 6	T.					1-		1		
FEET SLIFFED FEET CUT OFF FRESENT LENGTH TON MIGHT TRIPS SINCE LAST CUT CHANILATUR TON MIGHT TRIPS	SHT OR C.B.	FT. DEPTH IN FT. TOTAL FTC. FT. TOTAL HR. RUN				c	i . Jun	ring 6	ets							1		
FEET SLIFFED FEET CUT OFF PRESENT LENGTH	9.0.	FT. DEPTH IN FT. TOTAL FTG.				ē	i . Jun	ring b	et a							1		





		,				
TOR	LEASE REPORT LEASE	DATE 9-30-63				
laduboro a	Ul es Laluboro C. X.	A speciel 71 WELL NO.	D. FIELD OR DIST.	COUNTY This	et state Quebec	DRILLING CREW PAYROLL DATA
ACTOR	RIG NO. DRILL PIPE TOOL.	O.D. PUMPS		NZE MAKE WT. & GR. JOINTS FEET	RKB. TO SET AT REMARKS	DATE July 30 1963 Nº 62
THAMERICAN DRILL	LING COMPANY 4 HO. SIZE TYPE THD.	HO, MANUFACTURER	TYPE STRUCE LAST CASING		CSC, Fig.	WELL HAME & NO. Ladubaro (NO. Lacolity)
URE OF OPERATOR'S REPRESENTATIVE	IVE SIGNATURE OF CONTRACTOR'S TOOL PUSHER	1. Hutional 1.	50 3 12 TUBING	4		COMPANY La Suboro Cel Co
21. 1911	-KO	1	OR LINER	924 7	236	TOOL PUSHERRIG NO.
ME DISTRIBUTION, HOURS	HO. BRILLING ASSEMBLY AT END OF TOUR BIT RECORD	MUD RECORD	FOOTAGE DRD	110		MORNING TOUR 12.00 P.M. S. 100 A.M.
MORN DAY EVE	STANDS D.P. FT. BIT NO.	TIME 400	FROM TO CORE.	CORE FORMATION (SHOW CORE RECOVERY)	ROTARY NT. GH PUMP NO. PUMP NO. PUMP NO. RIN LINER S.P.M. LINER S.P.M. SZE SZE SZ.P.M. SZIZE SZI	CREW SOC. SEC. NO. HAME HRS.
	MINGLES D.P. FT. SIZE	WEIGHT 10,1	4109		5½ SIZE CONTACT	DRILLER A CLEVELAND 8
CTUAL	D.C.	VISCSEC 39				DREMAN TOM SANDERS 8
	I.D. Q.D. FT. TYPE	W.LC.C.				MTEMAN WILT J. J. d. Aleby 8
IG MUD ING	LD. O.D. FT. MOZZLE	FLTR. CK.	DEVIATION DEPTH	DEV. DIRECTION DEPTH DEV.	DIRECTION DEPTH DEV. DIRECTION	FIREMAN WELLY Rheault 8
!		FH	THE LOW			FLRMAN
ii G	STB. SIZE	CONT. \$ 206.250 7.2.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	1 /4	FLRMAN
RVEY		PRESSURE GRADIENT	12:00 8:00 8	Circulate Warting on to	at truck	FLRMAN
HE 1	SUBS D.D. FT.					
*	BIT OR C.B. FY. TOTAL FTG.	TYPE AMT. TYPE AMT.				
	FT. TOTAL HR. RUN					
	- KELLY DOWN FT. COND. OF BIT					
ing	TOTAL FT. REAMER MO.				``	
	WT. OF STRING LBS. REAMER TYPE	DRILLER of Claveland				NO. OF DAYS SINCE LAST LOST TIME ACCIDENT
rest	NO. DRILLING ASSEMBLY BIT RECORD	MUD RECORD	FOOTAGE DE D	COME FORMATION	ROTARY WT. ON PUMP NO. PUMP NO. METHOD	DAY TOUR SOO AM MOOPM
6	STANDS D.P. FT. BIT HD.	THE 9:00 4:00	FROM TO CORE.	C HO. (SHOW CORE RECOVERY)	ROTARY BIT PRESS LINER S.P.M LINER S.C.S. PAR PARELS COMP.C.	CREW SOC. SEC. NO. NAME HRS.
	SMOLES D.P. FT. SIZE	WEIGHT 11.9 10.4	4/109			DRILLER BEN BENGEN 8
CRAYING	D.C. MrG.	VISCSEC	7.7			DRIMAN L. K. THENNYS &
G TRIPS	LD. O.D. FT. TYPE	NL-CC.				MTRMAN J. Carller 8
H=0	NO.	FLTR. CX.	DEVIATION DEPTH	DEV. DIRECTION DEPTH DEV.	DIRECTION DEPTH DEV. GIRECTION	FIREMAN J. LANDRY 8
#G 8	STE. SIZE	PH		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		FLRMAN 9. WHINING
FIDNAL	BOOY O.D. FT	8.5A/ 200,000	TIME LOG BLAPSED TIME 8:00 4:00 8	MAITING ON MOCOL	//- // // //	FLRMAN
88	110. SER. AU. SER. AU	PERSONE	8:10 9:00	WHITING ON INCO	UMPUCH & C'IR:	FLRMAN-
PFICE USE OHLY)	9066 AA 67 SET IN IN			CONDITIONING /20:		
	BIT OR C.B. FT. TOTAL FTC.	TYPE ANT. TYPE ANT.		Sallin Miles // Les		
	FT, TOTAL HE RIPH	BARUD 25				
	KELLY DOWN PT. COND. OF BIT					
SY .	TOTAL PT. REALER NO.					
	WILDFITTERS LES BEAUTY BUT RECORD	DELLER SEN SENSON				HO, OF DAYS SINCE LAST LOST TIME ACCIDENT
	AT END OF TOUR	AUD RECORD	FDOTAGE 08-0	FORMATION (SHOW CORE RECOVERY)	ROTARY WT. G PLMP NO. PLMP NO. METHOD SUR RPM 1000 PRESS LINES LP.M. LINES SIZE P.M. PAREL-F	EVENING TOUR 4 00 P.M. 12 04 P.M.
	STANDS D.F. FT. BIT NO.	THE RICC	FROM TO CORE.		RPM BIT PRESS LINES LP.M. SIZE SP.M. PAR'EL-F	CREW SOC. SEC. NO. MAME MRS.
1 1 11	SINGLES D.P. FT. 92E	NEGRT 16.54	4109			DRILLER 9-/ 4 // 8
	MFG.	MSCSEC U C				DRKMAN 9
				DEV. DIRECTION DEPTH DEV.	DIRECTION DEPTH DEV. DIRECTION	MTRMAN
	D.C. PE TYPE	u_cc	DEPTH DEPTH			
RE LINE RECORD	5 I.D. O.D. FT. NOZZLE	FLTS, CX	DEMIATION DEPTH			FIREMAN
RE LINE RECORD	9.C. NO. NO. NO. NO. NO. NO. NO. NO. NO. NO	FLTE, CX	*#CCRO			PLRMAN
RE LINE RECORD	0.C. NO.D. FT. NOZZLE SIZE SIZE SIZE SIZE SIZE SIZE SIZE SIZ	PLTE, CX PR Birt, s	FROM TO TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		PLRIAN PLRIAN
RE LINE RECORD	D.C. NO.	PLTS, CK	TIME LOG BLAPSED FEOR TO TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		PLRIAM
IRE LINE RECORD	D.C. NO.	PLTE, CK PR Shrt, S PRESSURE GRADIENT	4:00 11:00 7 11:00 11:00 7	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS Weller Losson Law Loss of Parks Law Parks Law Loss of Parks Law	le dill Pipi	PLRIAN PLRIAN
IRE LINE RECORD 186 SIZE 190 190 190 190 190 190 190 19	D.C. NO.	PLTE, CX PR Birt, s	4:00 11:00 7 11:00 11:00 7	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS Weller Losson Law Loss of Parks Law Parks Law Loss of Parks Law		PLRIAN PLRIAN
PPED ### OFF ### LENGTH R TRIPS STICUT USE R TRIPS	D.C. NO.	PLTE, CK PR Shrt, S PRESSURE GRADIENT	4:00 11:00 7 11:00 11:00 7	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS Weller Losson Law Loss of Parks of State of St	le dill Pipi	PLEMAN PLEMAN
BE LINE RECORD BS SIZE PED OFF ENGTH LTMPS T CUT	D.C. NO.	PLTE, CK PR Shrt, S PRESSURE GRADIENT	4:00 11:00 7 11:00 11:00 7	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS Weller Losson Law Loss of Parks of State of St	le dill Pipi	PLRIAN FERMAN









Laduboro Q	l Co	Taduboro ().	Theolet # 1 TRING	FIELD OR DIST.	COLU	" Muralet	STATE Quebec	DRILLING CREW PAYROLL DATA	
HTRACTOR	/	DRILL PIPE TOOL STRING JOINT	e.p. PUMPS	TYPE STROET LAST	SIZE MAKE WE.	CE. JOHTS PERT CSC.	TO SET AT REMARKS	DATE July 29-1963 NO WELL MANE & NO Calmborn CIB per let 11	628
HATURE OF OPERATOR'S REPRESENTAT	LING COMPANY 4	HO. SIZE TYPE THD.		LENGTH CASEG				WELL HAVE & HO. Address (It Should !!)	
NATURE UP OPERATOR'S REPRESENTAT	IVE SIGNATURE OF COM	TRACTOR'S TOOL PUSHER	1. Haboniel 1.	508 12 TUBERS OR LINER				COMPANY To Suboro Oil Co	
The W. 7	- 1		1		41/2	2	181	TOOL PUSHERRIGN	NO
TIME DISTRIBUTION ASSURE	NO. DRELLING ASSENBLY	BIT MECORD	AUD RECORD	FOOTAGE 18-0			FT. OF PEMP HO. PEMP HO. METHOD	MORNING TOUR 12 00 P.M. 8 00 A.M.	
MORN DAY EVE		T. NT NO.	THE ZOO	FOOTAGE DR. D	HO. (SHOW CO	RMATION RE RECOVERY)	TT. DP PERF HD. PURP HD. METHOD RIN DET PERSON PERSON SIZE 1.P.M.	CREW SOC. SEC. NO. NAME HIS	IRS.
UF &		T. 1928	-	4109			5%		8
LING ACTUAL	B.C.	MPG.	10-7	4101			7		
	10.00	T. TYPE	VIIC-48C 39	-				MTRIAN WIFT SIJOHAL S	5
MING DITIONING MUD ROJLATING	5.C.	1175		DEVIATION DEPTH	EV. DIRECTION	DEPTH DEV. DIRECTION	H DEPTH DEV. DIRECTION	FIGURAN (11:11 Phase of the	-
	10. 00.	NOZZLE	FLTR. OX.	SECOSO				WELLY MARMAN	
5		1128	PH SQ	FROM TO TIME	DETAILS OF OPERATIONS IN SE	QUENCE AND REMARKS		FLRMAN	+
CATE RIG	¥ STB.	SER. NO.	SD. COMT. %	12.00		Fuel O.L	1. Dull 2:	FLEMAN	\perp
TION SURVEY	E 8007 0.0.	DEPTH OUT	PRESSURE	12.00	DISPIRECTA	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	IN WELLE TIPE	FLRMAN	
8.0.F.	SUBS	OEPTE IN			20 STROKES	or NInd	Pamp Ench IVe		\perp
HC LINE	MTORCE.	TOTAL PTG.	TYPE ANT TIPE ME.		26 21 40/163	ON THINK			
RIG	0.1 0.1 0.0	T. TOTAL HR. BUN		8.00 4	Haper	1 BBL Fach	Hr.		
s		COND. OF BIT		8.50	1.1.1.1.1	2 2 2 F 2 - 5 M			
LIME	THE COUNTY OF TH								
ING CASING MENTING	VT. OF 178 MO	30.	DELLER a Cleveland			****		NO. OF DAYS SINCE LAST LOST TIME ACCIDENT	
NG ON	=		AUD RECORD	POOTAGE DR.			PLMP NO. PUMP NO. METHOL		
STEM TEST	AT END OF TOUR	BIT RECORD			EGERT FO	ORMATION SOTARY	PUMP NO. PUMP NO. METHOD THE SIZE S.P.M. LINER S.P.M. PAREL- SIZE S.P.M. LIZE S.P.M. PAREL-	DAY YOUR SICE A.M. Y.CC P.M.	
9		PT. DIT HO.	THE 2:30 -		, , , , , , , , , , , , , , , , , , , ,		SIZE S.P.M. SIZE S.P.M. COMPAC	CREW SOC, SEC. NO. HAME HI	HRS.
NG A		FT. SIZE	WEIGHT 10.8	4109	140				8
, PERFORATING	D.C.	urg.	WSCSEC (/4)					DEKMAN J. F. THE PARTS S. MITHAM J. C. W. F. MIN.	8
, TUBING TRIPS	LO. O.D.	PT. TYPE	TL-CC.				M DEPTH DEV. DIRECTION	MTRMAN J Courselles 9	8
	D.C.	MO.	FLTR. CK.	DEVIATION DEPTH	DEV. DIRECTION	DEPTH DEV. DIRECTIO	ON DEPTH DEV. DIRECTION	FIREMAN J. LAMPRY 8	2
C. IWARRING		PT. MOZZLE SIZE	PE	72000				FLRMAN	
D. TESTING		FT. SER. HG.	50 T. A 2/1 1/4	FROM TO THE	DETAILS OF OPERATIONS IN S	PQUIENCE AND PENARKS		FLRMAN	
I. ADDITIONAL	3 STR. 0.0.	PT. DEPTH OUT	CALINAT	8:00 4:00 8	CIR-WAI	IN ON BPOWER	/	FLRMAN	\neg
88	800Y 0.0.	PT. DEPTH IN	-						\neg
COPPLE USE CHLYS	SUBS 0.0.	PT. TOTAL PTG.	TYPE ANT, TYPE ANT.						-
YORK	BIT GE C.B.	PT.	TYPE AME, TYPE AME.						+
L/DP		PT. TOTAL HE, RUN							+
ro/bP		FT. COND. OF SIT							-
TAMOSY	14.55	FT. REAMER NO.							
		SS. REAMER TYPE	DILLER JON TONION		-			NO, OF DAYS SINCE LAST LOST TIME ACCIDENT	_
	HO. DRILLING ASSEABLY	BIT RECORD	WUD RECORD	FOOTAGE - DRO		ORMATION ROTARY	FT. OH PART HO. PURP HO. METHO SUF SUF S.P.A. LINES S.P.A. PAR'EL-		M.
	STAMPS D.P.	FT. NT HD.	THE \$2.60	FROM TO COME.	HO. INDOV.C	DRE RECOVERY)	THE PARTY SEE LPA SEE SPA FAR'EL	C CREW SOC. SEC. NO. NAME N	HRS.
	SHELES D.P.	FE. WZE	VEICHT 1.0.1	4109					8
DAY WORK	D.C.	M6.	VIICARC 27	, p 1 9 50.				DRIMAN & Guillen	8
VIRE LINE RECORD	10. 00.	FT. TYPE	AT CC.						Œ.
NIKE LINE RECORD	D.C.	HO.	PATR. OX	DEVIATION DEPTH	реч вирестон	DEPTH DEV. DIRECTIO	ON DEPTH DEV. DIRECTION		9
		PT. HOLLE		RECORD				FIRMAN J. Teamire	-
LINES HITE	2 STR. 0.0.		Buss	TIME LOS ELAPSED	DETAILS OF OPERATIONS IN S			FLEMAN	+
LIPPED		PT. SER. HO.	4411111	4'00 B:00 8	Cir - West	tion Mich	is truck	FLEMAN	-+
	BOOY Q.D.	DEPTH OUT	CHADIBY		000	only an exposed		FARMA	-
CUT OFF		DEPTH IN							\perp
ENT LENGTH	1485 0.0.	57.	CARD A CHEMICAL A CROSS						- 1
ENT LENGTH M, OR THIPS E LAST CUT		FT. TOTAL FTG.	TYPE ANT. TYPE ANT.						\rightarrow
ENT LENGTH M., OR THIPS E LAST CUT RATING M., OR THIPS	BIT OR C.S.	FT. TOTAL FTG	TYPE AMT. TYPE AMT.						
ENT LENGTH A. GE TRIPS I LATY GUT LATIYS L OR TRIPS F DAYS 18495	SIT OR C.S.	FT. TOTAL FTG.	TIPE AMT. TYPE AMT.						
ENT LENGTH M., OR TRIPS I LANT CUT	RELLY DOWN	FT. TOTAL FTG.	THE ME. THE ME.						

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Nº 6281)	Q	= \														
DAILY DRILLIN	NG REPORT	REPORT NO. 33	DATE 7-28-63														
OPERATOR		LEASE	4	to the second se					A -								-
Faduboro Cel Co		Taduboro (J. S	Spicolet # 1 WELL HO.	FIELD OR DIST.			COUNTY	Muso	let	STAT	to	ebec	DRILLING CRI	EW PAYROLL DATA	16.1 m		
NORTH AMERICAN DRILLING O	OMPANY 4	DRILL PIPE TOOL STRING JOINT OLD	PUMPS	Lennye	LAST	SIZE MAKE	WT. & GR.	NO. P	EET RKB. T	SET AT		REMARKS	DATE JE	ly 28		° 628	₹1
NORTH AMERICAN DRILLING O	SIGNATURE OF CONTRA	TYPE THO.	1. Halional 1	THE LENGTH	CASING TUBING		-			-				no Ladube	ro (Jacoletti)	. 020	, ,
SHAPINE OF WEEK IN STREET IN 1875	SIGNATURE OF CONTRA	CTOR & FOOL POSICE	2.		R LINER _	67					,		COMPANY_	takubor	o alexeo	4	/
TIME DISTRIBUTION SHOURS	DRILLING ASSEMBLY	BIT RECORD.	1		-	1/8		7	_	236	rise	herm	TOOL PUSHER			RIG NO	
	AT END OF THE	BIT NO.	TIME 4 00	FROM TO	94.0 84.0	CORE MG.	FORMATIO	OVERY)	ROTARY N	PUMP PRESS	LINER S.P.H	PUMP NO. METHO RUN LINER S.P.M. PAR'EL SIZE		. 1	TOUR 12 00 P.M. 8 00		
RIGUP & TEAR DOWN S	INGLES D.P. FT.	SZE (VEDENT 11	4109 -	-						SIZE	SIZE	CREW	SOC, SEC. NO.	A CLEVEL HIN	HRS.	_
DRILLING ACTUAL	s.c.	MFG.	VISCSEC 39										DRKMAN		TOM SANGERS		1
REAMING CONDITIONING MUD	I.D. O.D. FT.	TYPE	V.LC.C.			-				-			MTRMAH		WMH S, JOAK	68	
CONDITIONING MUD & CIRCULATING TRIPS	i.D. O.D. FT.	HOZZLE	FLTR. CK,	RECORD DEPT	H DE	V. DIRECTIO	DEPTH	DEV.	DIRECTION	De	PTH	DEV. DIRECTION	FIREMAN		Withby Phinak	18	
	TB. 100Y O.D. FT. 178.	SER. NO.	PH SD. CONT. %	FROM TO	ELAPSED TIME	DETAILS OF OPERA	YIONS IN SEQUENCE	AND REMARKS					FLRMAN				+
DEVIATION SURVEY	ODY O.D. FT.	DEPTH OUT	PRESSURE GRADIENT	12:00		Displa	CHING	FUEL C	1.h - 0	10 5	7.10 kg 3	on Nind	FLEMAN PLEMAN				+
TEST B.O.P.	URS FT.	DEPTH IN			-	Pum D. E	ACH N	T A	PPYOX	- 8	Sant P	n 20 Strok	S PERMAN			-	+
CUT OFF DRILLING LINE	NT OR C.B. FT.	TOTAL PTG.	TOPE ANT. TIPE ANT.			Warlasn	Dary	P190	20-1	10 1	,3,		- 1				+
REPAIR BIG	PT.	TOTAL HR. BUH		8:00	8 -	12:30 -1:	30 - 2 30	-3.30	4 30 .	5'30	630	- 2:30				-	
WRE LINE LOGGING	TELLY DOWN PT.	COHO, OF RET															
RUNNING CASING & CEMENTING	Fle	REAMER HO.	muse a Oleveland	/	-												
WAITING ON CEMENT NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	POCTAGE					T 1.	. CH	PUMP NO.	PUMP NO. METHO	HO. OF DAYS		DAT TIME ACCIDENT	Output 1	-
OTHER S	TANDS D.P. FT.	BIT HO.	TIME 9:00	FROM TO	DR_D RM_R COME_C	HS.	CHON CORE REC	DVERY)	ROTARY RPM 10	T PUMP	LINER I.F.	HEE S.P.S. CON'S	2 CREW	SOC. SEC. NO.	IR S. OO AM M'OO	HRS.	-
PESHING	10GL 65 D.P. FT.	SIZE	WEIGHT III	409 -							3,22		ORILLER		BAN BENSON	8	1.4
A PERFORATING	o.c.	MFG.	WIG-180 39		-								DRKMAN			8	7
a. Tueso Terrs	LD. O.D. FT.	TYPS NO.	ar-cc	DEF1	н ре	v. piescho	N DEPTH	DEV.	DIRECTION	1 0	PTH I	DEV. DIRECTION	MTRMAN	4	J. Ove that	8	
C. SWARRING	I.D. 0.0. FE.	MOEZLE SIZE	PLTE.CX.	BECORD DEPT						+	*	-	FIREMAN	+	J. I ANDRY	8	-
D. TESTING	TB. 1007 O.D. FT.	SER. NO.	18 290,000 P.P.M	TIME LOG FROM TO	TIME	DETAILS OF OPERA	TIONS IN SEQUENCE	AND PENAMES					FLRMAN				+-
TOTALS	TR. COPY O.D. PT.	DEPTH OUT	GRANDET .			Dop/n #6an,wi 2 2.3.5	ex feet	0/-2	81.8	FACH	NR:		FLRMAN-			+ + -	-
	Mas O.D. FT.	DEPTH IN	AND A CHEMICAL CHAPTER	12:30	7-2	2 7.1.0	French	Dept :	11/00	10 1.5	0-11-						
DAY WORK	NT OR C.B. FT.	TOTAL FTG.	TYPE ANT. TYPE ANT.	12:30 4:00	3/2	~ ~~	Anen/	4	wen	1200- 1	and y	7					-
HRS. W/DP	BLLY COWN FT.	COND. OF SIT		10			- 1	17					i			+	-
		REAMER NO.											- 1			-	-
WT. C0*11		REAMER TYPE	DALLES TOLY TSENGEN								-		NO. OF DAYS_	SINCE LAST L	OST TIME ACCIDENT		1
НО.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	AUD RECORD	FOOTAGE	28.0 88.0	cons	PORNATIO	ж	ROTARY WI	. DN PUMP	PUMP NO.	PUMP NO. METHO	D .	EVENING	G TOUR # P.M. # 2 100	-P.M.	
			The 4:00 7:00	FROM TO	C041_C	140.	(SHOW CORE RED	DVERY)	RPM 10	PRESS	SIZE S.P.M.	LINER S.P.M. SGL-3 SIZE S.P.M. CON'D	C CREW	SOC. SEC. NO.	HÀME	HRS.	
	HOLES D.P. PT.	925	VECHT 14.7 11.1	4107	-	-			+++	-	-	+ 4 .	DRILLER		W De France	9	
NIES LINE SECOSO	LD. 0.9. PT.	IVPE	VISCARCE OF HO							+-	-	1 1 1	DREMM		P. Enille	8	-
REEL NO.	ne.	HOZZILE NO.	FLTR. CX	DEVIATION SEPT	w 05	v. DIRECTIO	DEPTH	DEV.	ривестион	06	PTH I	NEV. DIRECTION	- MTRMAN - FIREMAN		Hobband	8	-
MO. OF LINES SIZE	LD. 0.0. FT.	SIZE.	m		ELAPIED TIME	DETAILS OF OPERA	Troug au comme	AND DELICATION		_			FLRMAN		7 Junist	18 .	1
PERT SLIPPED	ODY G.D. FT.	SER, HD,	Bier. s	4:00 8 00	14	1. 16	1.1.	AND REMARKS	1				PLRMAN				1
PRESENT LENGTH	178, 1007 0,0, FT. 178, 1007 0,0, FT. 178, 1007 0,0, FT. 1885 0,0, FT.	DEPTH OUT	CHANNET			1	C.C	1166					FLRHAN				
TON ML OR TRIPS		TOTAL FTG.	TYPE AMT, TYPE AMT.	1.00 47		Tompe	1300	in do	41	10	1	He G	-				-
TON M. OR TRIPS	NT OR C.R. FT.	TOTAL HE, BUN	Sanit west	9.00		Jug bear	10:00	10000	alde	4	-		-				-
HD, OF DAYS FROM SPID	CELLY DOWN PT.	COND. OF BIT	Sel ber		Detil	11/2	1100	The	100	22.	D'accio	2 60.00				+ +-	1
CUMALATIVE ROTATIVE HIS.	TOTAL PT.	REMERIO.	BRILLY IQ	0.0- 20	stil	port	Strange	100	Post	100	1	444					
er.orsr	NING LOL	REAMER TYPE	7164	1.001 2	optile	A 14	-			1	to William		NO. OF DAYS	SINCE LAST LO	OST TIME ACCIDENT		10

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Nº 6280)	0	Q	10			
GPERATOR"	DAILY D	DRILLING REPORT	REPORT NO. 32	DATE 7-27-63			
Laduboro C	0:0	Par	Pall All	A Micolet # 1 WELL HO.	OR DIST. COUNTY Micolit	STATE Lueber	DRILLING CREW PAYROLL DATA
ONTRACTOR	sur,	RIG NO.	DINLL PIPE TOOL	PUMPS	one war wrace No. com RE	OR TO SET AT DESCRIPT	out July 27 1963 Nº 628
NORTH AMERICAN I	DRILLIA	NG COMPANY L	HO. SIZE	NO. MANUFACTURER	THORE LAST	IG. HD.	DATE GALLE AND CARLETT Nº 628
SIGNATURE OF OPERATOR'S REFRE	Dr. ILL	E KS CAN LTD.	TYPE THO.	1. Hational 1	TUBING		COMPANY Lakerborn ceil es
				2 9	OR LIMER	234	
THE STREET ON SAID	121	DOUG INC ASSESSED V		3.			
MORN DAY		A1 EMD 07 100K	BIT RECORD	TIME / 2:20	TAGE DR.,O BM. R TO CORE TO CORE (SHOW CORE RECOVERY)	IY BIT PUMP RUM	MORNING TOUR 12 00 P.M. 8 00 A.M. CREW SOC SEC. NO. NAME HRS.
RIG UF B.	176		T. SIZE	1330	10	SIZE SIZE	ORILLER A. CLEYELBAN &
DRILLING ACTUAL		D.C.	MFG,	VISCSEC			DREMAN JON SANDERS
REAMING	\neg	I.D. O.D. FT	T. TYPE	W.LC.C.			MTRMAN Wintt Sidalh 8
CONDITIONING MUD	2	D.C.	H0.	FLTR. CX.	DEPTH DEV. DIRECTION DEPTH DEV. DIREC	TION DEPTH DEV. DIRECTION	FIREMAN Withy Rhanglet 8
RIPS	<u></u>	I,D. 0,0. FT	T. HOZZLE SIZE	PH	LOG ELAPSES		FLEMAN VERNEY VERNEY
LUBRICATE RIG	g	STB. BODY O.D. FT STB.	T. SER. NO.	SD. CONT. %	TO TIME DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	1 1. 3	PLEMAN
EVIATION SURVEY	\$	BODY O.D. FT	T. DEPTH OUT	PRESSURE GRAMENT	1:00 2 1 By ing To Break Cons 430 2'2 Change Pump HINERS HH	LEADS THE SK	FLEMAN
rest B.O.P.	*}	BODY O.B. FT	DEP TH IN		430 2's Change PumphiNERS the	caula Tind	
UT OFF RILLING UNE		SIT OR CA.S FT	TOTAL FTG.	TIPE ANT, TYPE ANT.	8 au 1 Toust off Pull 26 Joints 1	0 2.	
EPAIR RIG		, n				1 1 1	
IRE LINE OGGING		KELLY, DOWN F1	T. COND. OF BIT		The state of the s		1
OGGING UMMING CASING CEMENTING		TOTAL FT	T. REAMER NO.	DRILLER A DE			
E CEMENTING WAITING ON CEMENT			S. REAMER TYPE	Clevelana		DOMESTIC BUILD NO. METHOD	NO, OF DAYSSINCE LAST LOST TIME ACCIDENT
ORILL STEM TEST		NO. DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	DTAGE DR.D CORE R.D. CORE NO. (SHOW CORE RECOVERY)	TT. OH CHARLESTON TOMP TOO, RUM	DAY TOUR LOC A.M. MOGM
THER	7		T. SIT NO.	TIME	TO CORE_C MG. (SHOW CORE RECOVERT) RPJ	A BIT 1000 # PRESS LINER S.P.M. SIZE S.P.M. SIZE S.P.M. COM'D-S	CREW SOC. SEC. NO. NAME MRS.
ISHING		SINGLES D.P. F	T, SIZE	WEIGHT		5/2	DRILLER BAN STENSON 8
M A. PERFORATING	2	I.D. O.D. P	MFG.	VISC_LEC //o/			DERMAN A.A. TARGERS 8
B, TUBING TRIPS		D.C.	T, TYPE NO.	W.LC.C. 39	DEPTH DEV. DIRECTION DEPTH DEV. DIREC	TION PEPTH DEV. DIRECTION	J. CVIIII
C. SWARRING		I.D. O.D. F		FLTR. CK.			FIRMAN), LAMBERY
D. YESTING	[]	STB. BODY O.D. F		SD. CONT. S	LOG ELAPSED DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		
8. ADBITIGNAL		STB. BODY O.D. F		Persone		- Dalling Sil	WALLEST THE STATE OF THE STATE
	q'	RMR. BODY Q.D. F	T. DEPTH IN	GRADIENT OF SOME THE	O VIOO TOUR BETANOS / HOLE:	P.D Wagine Fips	
(OFFICE USE ONLY)	0	BIT OR C.B. F	TOTAL FTG.	MID & CHEMICALS ADDED	WEAKING LIBE KOWN.		
IRS, W/DP				TYPE ANT. TYPE ANT.	33.000 - 140.000 //	noved pipe down hole	
			T, TOTAL HR. RUN	TYPE AMT. TYPE AMT.	11 Cir Free 14	noved pipe down hole	
IRS, WO/DP		P.	T, TOTAL HR. RUN		11 Cin Freely	DE LOUR DE PROPERTO DE LO LE DE LO LE DE LOUR DE LOUR HOLE	
		KELLY DOWN F		O. F. 5.75	11 Cin Freely	noved pipe down hole	
	THE REAL PROPERTY.	KELLY DOWN F TOTAL F WT. OF STRING LR	T, COND. OF SIT	Com Signal S			MO, OF DAYS SINCE LAST LOST TIME ACCIDENT
	THE REAL PROPERTY.	KELLY DOWN F	T. COND. OF BIT	O. F. 5.75	OTAGE OR-D COM FORMATION ROTA	lasi tat	MO. OF DAYS SINCE LAST LOST TIME ACCIDENT EVENING TOUR ## DO PM## DO PM
	THE REAL PROPERTY.	RELLY DOWN F TOTAL F TOTAL F NO. DRILLING ASSEMBLY AT tHE OF TOUR STANDS O.P. F	T, COND. OF SIT T, REAMER NO. S. SEAMER TYPE BIT RECORD	DRILLER TIME ORIGINATIONS TIME ORIGINATIONS TO RECORD TO RECO		SY ET. ON PUMP PUMP NO. PUMP NO. RIN	MO. OF DAYS SINCE LAST LOST TIME ACCIDENT EVENING TOURLY D PML D PM CREY 30C. SEC. NO. MAME HRS.
RE. STANDOY	THE REAL PROPERTY.	RELLY DOWN F TOTAL F TOTAL F NO. DRILLING ASSEMBLY AT tHE OF TOUR STANDS O.P. F	T, COND. OF BIT T, REAMER NO. S. BEAMER TYPE BIT RECORD TY. BIT NO. T. BUZE	DRILLER DRILLER DRILLER DRILLER	OTAGE OR-D COM FORMATION ROTA	last tec	MO. OF DAYS SINCE LAST LOST TIME ACCIDENT EVENING TOURLY O PART CO PAR CREW SOC SEC. NO. MAME HRS. DRILLER H. D. M. Mary S.
RS. STANDOY TOTAL DAY WORK	THE REAL PROPERTY.	KELLY OOWN F TOTAL F TOTAL F TOTAL E TOTAL F TOTAL F TOTAL F TOTAL F SINGLES D.F. F D.C. F	T, COND. OF BIT T, REAMER NO. S. HEAMER TYPE BIT RECORD T, BIT NO. T, MZE MFG.	DRILLER TIME WEIGHT VISC-SEC 10:16 40 40	OTAGE OR-D COM FORMATION ROTA	last tec	MO. OF DAYS SINCE LAST LOST TIME ACCIDENT EVERING TOURLY O PART CO PART CREW SOC SEC. NO. MAME HRS. DRILLER STRUMAN
RL STANDBY TOTAL DAY WORK WIRE LIME RECORD	THE REAL PROPERTY.	KELLY OOWN F YOUTAL F YOUTAL F YOU DRILLING ASSEMBLY AT 140 OF TOUR STAMDS D.P. F SINGLES D.P. F D.C.	T, COND. OF BIT T, REAMER NO. S. BEAMER TYPE BIT RECORD TY. BIT NO. T. BUZE	DRILLER DRILLER TIME WEICHT VISC-SEC WAC.C. 22 M	OTAGE OR-D COM FORMATION ROTA	57 YT. 3M PUMP PO. PUMP NO. RUN 1 1000 J PCSS LINER S.P.M. LINER 32E S.P.M. CONTO.	MO. OF DAYS SINCE LAST LOST TIME ACCIDENT EVENING TOURLY O PART CO PART CREW SOC SEC. NO. MAME HRS. DRILLER H. L.
OTAL DAY YORK WIRE LINE RECORD BEL NO.	THE REAL PROPERTY.	KELLY OOWN F	T. COND. OF BIT Y. REAMER MO. S. MEANER TYPE BIT RECORD T. BIT NO. T. MEG TYPE MOZZLE	DRILLER TIME WEIGHT VISC-SEC VACC. FLTR. CK	OTAGE OR-D CORE FORMATION ROTA TO CORE.C NO. (SHOW CORE RECOVERY) RPA DEPTH DEV. DIRECTION DEPTH DEV. DIRECT	SY YT. ON PUMP NO. PUMP NO. RUN 100 J PRESS LINER 3.P.M. LINER 3.P.M. SEE 100 CON'O. 100 J PRESS LINER 3.P.M. LINER 5.P.M. CON'O.	MO. OF DAYS SINCE LAST LOST TIME ACCIDENT EVENING TOUR ALT DO PART OF
TOTAL DAY WORK WIRE LINE RECORD REEL NO. HO. OF LINES SIZE	THE REAL PROPERTY.	KELLY OOWN F	T. COND. OF BIT T. REAMER MO. S. MEANER TYPE BIT RECORD T. BIT NO. T. SIZE MFG. T. TYPE T. NOZZLE SIZE	DRILLER TIME WEIGHT VISC-SEC WAL-EC. PLTR. CK PH 20 DRILLER DRILLER FLTR. CK PH 20 DRILLER DRILER DRILLER DRILLER DRILLER DRILLER DRILLER DRILLER DRILLER	OTAGE OR-D CORE PORNATION ROTA TO CORE. No. (SHOW CORE RECOVERY) NPA	SY YT. ON PUMP NO. PUMP NO. RUN 100 J PRESS LINER 3.P.M. LINER 3.P.M. SEE 100 CON'O. 100 J PRESS LINER 3.P.M. LINER 5.P.M. CON'O.	MO. OF DAYS SINCE LAST LOST TIME ACCIDENT EVERING TOURAGE PART LOS PART LO
OTAL DAY WORK WIRE LINE RECORD EEL NO. O. OF LINES SIZE EET SLIPPED	THE REAL PROPERTY.	KELLY OOWN F	T. COND. OF BIT T. REAMER NO. S. MEANER TYPE BIT RECORD T. SIT NO. T. SUZE MFG. T. TYPE T. NOZZLE SIZE T. SER. NO.	DRILLER TIME WEIGHT VISC-SEC WAL-CC. PLTR. CK PH Shit. S	OTAGE OR-D CORE FORMATION ROTA TO CORE.C NO. (SHOW CORE RECOVERY) RPA DEPTH DEV. DIRECTION DEPTH DEV. DIRECT TO THE DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS "OUR 2 House of the control of the	SY YT. ON PUMP NO. PUMP NO. RUN 100 J PRESS LINER 3.P.M. LINER 3.P.M. SEE 100 CON'O. 100 J PRESS LINER 3.P.M. LINER 5.P.M. CON'O.	MO. OF DAYS SINCE LAST LOST TIME ACCIDENT EVENING TOUR ALT DO PART OF
REEL NO.	THE REAL PROPERTY.	KELLY OOWN F	T, COND. OF BIT T, REAMER NO. N. BEAMER TYPE BIT RECORD TY BIT NO. T, BUZE THOG. TYPE THOGS. T, SEE, NO.	DRILLER TIME WEIGHT VISC-SEC WAL-EC. PLTR. CK PH 20 DRILLER DRILLER FLTR. CK PH 20 DRILLER DRILER DRILLER DRILLER DRILLER DRILLER DRILLER DRILLER DRILLER	OTAGE OR-D CORE FORMATION ROTA TO CORE.C NO. (SHOW CORE RECOVERY) RPA DEPTH DEV. DIRECTION DEPTH DEV. DIRECT	SY YT. ON PUMP PLIMP HO. PLMP HO. RIN RIN RIN 1000 JP PRESS LINES L.P.M. LIMBS D.P.M. CONTO. STORY TY. ON PUMP PRESS LINES L.P.M. LIMBS D.P.M. CONTO. CTICON DEPTH DEV. DIRECTION	MO. OF DAYS SINCE LAST LOST TIME ACCIDENT EVENING TOURAGE O PARTY CO PARTY CO PARTY CO PARTY CO PARTY CO PARTY CO PARTY CONTRACTOR
YOTAL DAY WORK WIRE LIME RECORD REEL MO. NO. OF LIMES SIZE FREET SLIPPED FREENT LEMETH	THE REAL PROPERTY.		T. COND. OF BIT T. REAMER NO. S. REAMER TYPE BIT RECORD T. BIT NO. T. MEG. T. TYPE MFG. T. TYPE MCZZLE SIZE T. SER. NO. DEPTH OUT	DRILLER TIME WEIGHT VISC-SEC VAC.C. FLITE, CK PH Share, S PRESSER GREENER GREENER TO CE PPA	OTAGE OR-D CORE FORMATION ROTA TO CORE.C HO. GHOW CORE RECOVERY) RPA DEPTH DEV. DIRECTION DEPTH DEV. DIRECT TO THE DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS 'OR 2 traffic A Princip A March	SY YT. ON PUMP PLIMP HO. PLMP HO. RIN RIN RIN 1000 JP PRESS LINES L.P.M. LIMBS D.P.M. CONTO. STORY TY. ON PUMP PRESS LINES L.P.M. LIMBS D.P.M. CONTO. CTICON DEPTH DEV. DIRECTION	MO. OF DAYS SINCE LAST LOST TIME ACCIDENT EVENING TOURAGE O PARTY CO PARTY CO PARTY CO PARTY CO PARTY CO PARTY CO PARTY CONTRACTOR
YOTAL DAY WORK WIRE LINE RECORD REEL HIR. NO. OF LINES SIZE FEET SLIPPED PEET CUT OFF	THE REAL PROPERTY.	KELLY OOWN F	T, COND. OF BIT T, REAMER MO. SI, REAMER TYPE BIT RECORD TY, BIT NO. T, BUE SHEEL STREET TYPE T, TYPE T, SER. NO. T, DEPTH OUT T, DEPTH IN	DRILLER TIME WEIGHT VISC-SEC WAL-CC. PLTR. CK PH Shit. S	OTAGE OR-D CORE FORMATION ROYAL TO CORE.C. HO. GHOW CORE RECOVERY) ROYAL TO CORE.C. DIRECTION DEPTH DEV. DIRECTION DEVELOPMENT DEV. DIRECTION DEVELOPMENT DEVELOPM	SY YT. ON PUMP PLIMP HO. PLMP HO. RIN RIN RIN 1000 JP PRESS LINES L.P.M. LIMBS D.P.M. CONTO. STORY TY. ON PUMP PRESS LINES L.P.M. LIMBS D.P.M. CONTO. CTICON DEPTH DEV. DIRECTION	MO. OF DAYS SINCE LAST LOST TIME ACCIDENT EVENING TOURAGE O PARTY CO PARTY CO PARTY CO PARTY CO PARTY CO PARTY CO PARTY CONTRACTOR
TOTAL DAY WORK WIRE LINE RECORD REEL HO. HO. OF LINES SIZE FEET SLIPPED PRESENT LENGTH TOM M. OR TRIPPS SHOCK LAY CUT COM LOR TRIPPS TOTAL ON TRIPPS TOTAL ON TRIPPS	THE REAL PROPERTY.		T, COND. OF BIT T, REAMER MO. SI, REAMER TYPE BIT RECORD TY, BIT NO. T, BUE SHEEL STREET TYPE T, TYPE T, SER. NO. T, SER. NO. T, DEPTH OUT T, TOTAL FTG.	DRILLER TIME WEIGHT VISCSEC VACC. FLTR. CK PH Bhyt. S WOD & CHIMPLAS ADDED TYPE ANT. TYPE ANT. TYPE MAT.	OTAGE OR-D CORE FORMATION ROTAGE NO. GHOW CORE RECOVERY) ROTAGE NO. GHOW CORE RECOVERY NO. GHOW CORE RECOVE	SY YT. ON PUMP HO. PLANT HO. RIN 1000 PRESS SHEET LIP. LIMITE 1000 PRESS SHEET LIP. LIP. LIP. LIP. LIP. LIP. LIP. LIP.	MO. OF DAYS SINCE LAST LOST TIME ACCIDENT EVENING TOURAGE O PARTY CO PARTY CO PARTY CO PARTY CO PARTY CO PARTY CO PARTY CONTRACTOR
OTAL DAY WORK WIRE LIME RECORD SEL NO. 10. OF LIMES SIZE SEET CUT OFF RESENT LENGTH COM M. OR TISIPS WHEEL CUT	THE REAL PROPERTY.		T. COND. OF BIT T. REAMER NO. S. MEANER TYPE BIT RECORD T. BIT NO. T. SIZE MFG. T. TYPE T. NOZZLE SIZE SIZE T. DEPTH OUT DEPTH IN TOTAL FEG. T. TOTAL FEG. T. TOTAL RUH T. TOTAL RUH	DRILLER TIME WEIGHT VISC-SEC VAC.C. FLITE, CK PH Share, S PRESSER GREENER GREENER TO CE PPA	OTAGE OR-D CORE FORMATION ROTAGE NO. GHOW CORE RECOVERY) ROTAGE NO. GHOW CORE RECOVERY NO. GHOW COR	SY YT. ON PUMP PLIMP HO. PLMP HO. RIN RIN RIN 1000 JP PRESS LINES L.P.M. LIMBS D.P.M. CONTO. STORY TY. ON PUMP PRESS LINES L.P.M. LIMBS D.P.M. CONTO. CTICON DEPTH DEV. DIRECTION	MO. OF DAYS SINCE LAST LOST TIME ACCIDENT EVENING TOURAGE O PARTY CO PARTY CO PARTY CO PARTY CO PARTY CO PARTY CO PARTY CONTRACTOR

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Nº 6279	0	Q		1															
OPERATOR DA	ILY DRILLING REPORT	REPORT NO. 2/	DATE 7-26-63																
0	ail eo	e2	I Thiolet # 1 WELLHO.	FIELD C	R DIST.			COUNTY	7.0	0.1	STATE	4 4	6		DRILLING CHEW	PAYROLL DATA			
CONTRACTOR	RIG NO.	DRILL PIPE TOOL STRING JOINT	PUMPS			SIZE	MAKE	WT, & GR.	HO. FEE	RKB. TO	SET AT	de	REMARKS	-	DATE Las	ly 26	1963		070
NORTH AMERICAN DRIL	LING COMPANY 4	NO. SIZE TYPE THD.	NO, MANUFACTURER	TYPE ST	ROKE LAST	-			JOINTS	CSG, HD.					THE ROOM A. P.	Ludul	no (IS) healet # 1	46 6	279
SIGNATURE OF OPERATOR'S EXPREMENTATI	IVE SIGNATURE OF CONTI	RACTOR'S TOOL PUSHER	1. Hational 1.		2 TUBING	-	1 11						0		COMPANY Z	Tadubo	ro Oil es		
The W.	1.1		3		OR LINER	98			7		121				TOOL PUSHER			RIG NO	4
TIME DISTRIBUTION-HOUSE	NO. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	FOO	TAGE DR	O CORE		FORMATION		ROTARY BIT	OH PUMP PRESS	PUMP NO.	PUMP	NO. METHOD RUN			ING TOUR 12 00 PM 8 0		
MORN DAY EVE		. BIT NO.	Time 1'00 7.30	FROM	TO COR	E.C HO.	(SHC	OW CORE RECOV	ERY)	RPH 1000	PRESS	LIMER S.P.M	LINER S	S.P.A. PARTIL	CREW	SOC. SEC. NO.	HAME	HIRS.	
RICUP A TEAR DOWN	SINGLES D.P. FT.	. SZE	WEIGHT 10- 11-5	4104	-	- 6						74	\perp		DRILLER		A ChEVELANO	18	
PRILLING ACTUAL REAMING		MFG.	VISCSEC 36							-	-		+++	_	DRKMAN		Tom SANDERS	8	
CONDITIONING MUD & CIRCULATING	D.C.	NO.	FLTR. CK.	DEVIATION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DE	PTH I	DEV.	DIRECTION	FIREMAN		well Siddal	18	
TRIPS	LD. O.D. FT	HOZZLE SIZE	Pit	RECORD											FIREMAN		Walky Phanak	T 8	
LUBRICATE RIG	STB. BODY O.D. FT. STB.		SD. CONT. %	FROM	TO TIME		LS OF OPERATIONS					1.			FLRMAN				
DEVIATION SURVEY	RMR. FT	рерти очт	PRESSURE GRADIENT	12:00	8.00 8	(%)	× 0,71014	ING A	Jud -						FLRMAN				
TEST B.O.P. CUT OFF DRILLING UNE	SUBS O.D. FT	DEPTH IN				2 500			-										
DRILLING UNE	MTORCS. FT	TOTAL FTG.	TYPE AMT. TYPE AMT.			-Ar													
COSING	FT	COND. OF SIT	Mag co Bo 2 300 45												1				
WRE LIME LOGGING	KELLY DOWN FT		Solitical Gods	-		1									-				
RUNNING CASING & CEMENTING	E. C.	REAMER NO.	DRILLER a Cleveland		1										NO OF BAYE	TIME I ACT	LOST TIME ACCIDENT		
WAITING ON CEMENT	NO. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	FOO	TAGE D	LD CORE				BOTHEY WT.	OM	PUMP NO.	PUMP	NO. METHOD	NO. OF DATA		TOUR BIOC AM 1/2		1.10
OTHER B	STANDS D.P. FT	BIT HO.	TM 9:00	PROM	TO COR	LD CORE	(SIR	FORMATION OW CORE RECO	VERY)	ROTARY BIT	PUMP PRESS	LINER S.P.M		RUN SGL-S PAR'EL-P COM'D-C	CREW	SOC. SEC. NO.	HAME	HRS.	- 1
OTHER 95	SINGLES D.P. FT	. HZE	WEIGHT 11.5	4109							1				DRILLER		Ben Benson		1 - 3
A. PERPORATING	D,C.	Me.	VISCSEC	-	-	-				-	5	_		7	DRKHAN		L.K. Turnes		-19
a, YUBING TRIPS	1.0. 0.0. FT	TYPE	VL-CC		DEPTH	DEV.	BIRECTION	DEPTH	DEV.	DIRECTION	DE	PTH C	DEV.	DIRECTION	MTRHAN		J. Guelles	8	
C. SWABBING	LA GA FT		A.TR. CL.	RECORD		-		-	-		+				FIREMAN		J. HANDRY	8	
D. TESTING	57B. 900Y G.D. FT	SER. HO.	PH SORT. S	TIME I	OG ELAPSE	OFIA	LS OF OPERATIONS	IH SEQUENCE	AND REMARKS		-				FLRMAN			- 1	
TOTALS G	31TL 9007 0.D. FT	DEPTHOUT	CREMAN	6:00	4:00 8	0	LIPED.	1116 1	100: 6	Shower	6 P	ONN G	25.11	Well:	FLRMAN-				
TIME SUMMARY (OFFICE USE ONLY)	900Y 0.D. FT	DEPTH IN		-		1	ESPED.	11 /4	wo; h	Vell A	MED	:1	PI	_	1				3-77
DAY WORK	BIT OR C.B. FT	TOTAL FIS.	TYPE ANT. TYPE ANT.	Y.		-	HAR.	1											
HRS. W/DP	FT	TOTAL HR. SUM	5 ph 10														9		
HRS. WO/DP	TOTAL PT	COMB. OF BIT		-		1				4								\rightarrow	
HRS. STANDBY	1.0.100	REAMER TYPE	DILLER FLEN SEWEN		- 1	-									NO DE DAW		ST LOST TIME ACCIDENT		
	NO. DRILLING ASSEMBLY	BIT RECORD	NUD RECORD	FOO	TAGE DA	-9 CORE		FORMATION		****** ***.		PUMP HO.	PUMP	но. нетноо	-		HING TOURS 20 P.M. /2/	P.M.	
	STANDS D.P. FT	E 817 HO.	THE 4'45 920 Him	FROM	10 con	-R 80.	(58	ON CORE MECO.		RP4 87	PRESS	HER SPA	LIMER	SGL S BL-P	CREW	SOC. SEC. NO.	HAME	HRS,	
	SHIGLES D.F. FT	. uze -	*DONT W.62 W . 10.7	1/2 1											DRILLER		2/ 1/2/	9	
TOTAL DAY WORK .		MFG.	VISC-SEC 34 35 1/11			-					+		-		DRKMAN		77 7 37	4	-
WIRE LINE RECORD	I.A. G.A. FT	TYPE	ar-ec	DEVIATION	DEPTH	pêv.	DIRECTION	DEPTH	DEV.	DIRECTION	DE	PTH I	DEV.	ривестом	MTRMAN		1 1	2	
REEL NO. NO. OF LINES SIZE	a ia aa m	HOZZLE SZE	FLTR. CX	RECORD											FIREMAN			- 6	
FEET SLIPPED	57h. 8007 0.0. FT		8m.s 22700 PM	FROM I	TO TIME		ILS OF OPERATIONS	IN SEQUENCE		-,-					FLRNAN	-			
FEET CUT OFF	515. 0.0. PT. 8007 0.0. PT. 8007 0.0. PT. 1005 0.0.	DEPTHOUT	PRESSURE		5:30 /3	114	2 1 1 1 1	N.	don P.	efe.	112 7	7-	7).		FLRHAN				
PRESENT LENGTH	NOS 0.0. FT	DEPTH IN			11:00 1/2	172	1 mul	17.1	W.T.	10-9	HA	Ling	Non						
TOM MIL OR TRIPS SINCE LAST CUT	BIT OR C.S. FT	TOTAL FTG.	TIPE ANT, TIPE ANT,	7		-	Al deligate	131.1	VVJ										
CUMULATIVE TOM MI. OR TRIPS NO. OF DAYS FROM SPUD	- "	TOTAL HR. RUH	Macha 110 at			7		-							-				
FROM SPUD CUMULATIVE ROTATING HRS.	KELLY DOWN FT	*COND. OF BIT	Del II		9 7		-		-						-	1			
AVIATING TILE		REAMER TYPE	DRILLER												NO, OF DAYS	SINCELAS	T LOST TIME ACCIDENT	-	
																- SHIPLE LAS	. LOS THE MCCIPER!		





Nº 6278	0	0						
DAI	MLY DRILLING REPORT	REPORT NO.	S. Ne. V					
OPERATOR .		LEASE				ALL DE LA CONTRACTOR DE		(1-1+ B)
Ladoboro Ol		Tadularo C. S.	front TI	WELL HO. FIELD OR DILT.		Theoles	t state Luber	DATE WALL 35 1963
NORTH AMERICAN DRIL	LING COMPANY	PRILL PIPE TOOL STRING JOHT 0.0	PUAP		MIZE MAKE	WT. A GR. CHO. PERT	CSG, MD. SET AT REMARKS	WELLEN NO CASTROLL H Nº 6278
Union Kotary Smill	ens Can Ital	TYPE THO.	1 Hatronal	150 G 12 TOR	DISC.			WELL SIME & HOT WALLES OF VICTOR
SIGNATURE OF OPERATOR'S REPRESENTATI	<i>e</i> .	ACTOR'S TOOL PURSON	1	OR LI	MER	7	4.4	4
The W.	ADDITION ASSESSED V		1		978		VT. OH POST HO. PERO HO. METHOD	TOOL PUSHER RIG NO.
TIME DISTRIBUTION SOCIES	NO. CRILLING ASSEABLY AT END OF TOUR STANDS D.P. FT.	BIT RECORD	TIME 6 20 6 5	FOOTAGE TO	COME NO. COME	FORMATION HOW CORE RECOVERY)	RPH PARTS LINER CAR LINER CAR TELES	MORNING TOUR 12 00 P.M. 8 00 A.M.
EIG UP A. TEAR DOWN		uze uze	2.2. 8.7	4109 -			74	DELLER A CLEVELAND 8
DRILLING ACTUAL	B.C.	MPG.	VIICNC					DREMAN FRAN SANDERS 8
REAMENC	LD. G.B. FT.	TYPE	WL-CC					MITTHEN IN 17. S. Adreh 6
COMPITIONING MUD & CHOOLEATING	10. 00. FT.	HOTELS HO.	FLTR. CX.	DEVIATION DEPTH RECORD	DEV. DIRECTION	DEPTH DEV. (RECTION DEPTH DEV. DIRECTION	FREMAN Wichley PAGNULT &
TRIPS LUBRICATE RIG	2 179.	928	90. CONT. N 431 AAA 37 27 20 A	TWE LOS BL	THE DETAILS OF OPERATION	S IN SEQUENCE AND REMARKS		FLINM
DEVIATION SURVEY	2 STB. PT. PT.	SER. NO.	PRESSURE SELECT 237,700	12:00 4:00	4 Absent	Linker IN	Was Pump 52 To 74	FLENAN
TEST B.O.P.	S SOOY G.D. FT.	DEPTH IN	GEADERT	4 60 8.00	4 Condition	Dall pipe	Bhowing Will	
CUT OFF DESILLING UNE	0.b. FT.	TOTAL PTG. 1	TYPE ANT. TYPE	ANT.	HORKING	Drull pipe .	-	
REPAIR BIG	NTOR CB. PT.	TOTAL HR. BUN	Salt 35					
CORING WIRE LINE LOGGING	EELLY DOWN PT.	COND. OF RIT	-					
RUMPING CASHS & CEMENTING		REAMER NO.		,				
& CEMENTING WAITING ON CEMENT		REAMER TYPE	G Chestand				hemo	NO. OF DAYS SINCE LAST LOST TIME ACCIDENT
DEILL STEN TEST	NO. DRILLING ASSEMBLY	BIT RECORD	AUD RECORD	POUTAGE	DE.D CORE ER.E HO.	FORMATION HOW CORE RECOVERY)	FOTARY WT. ON PUMP NO. PUMP NO	DAY TOUR SICO AM SIGO FM
OTHER 8		BIT NO.	TIME 8:30	PROM TO	CORE-C		1900 PAGE SEE LAW SEE TA'S COMPA	
FISHING	D.C. FT.	MFG.	WEIGHT /C	4/01				DECLAR SENSON &
A. PERFORATING	1.0. 0.0. PT.	TIPE	NL-CC					stemms J. Gradier &
E C. DURANCO TRIPS	D.C.	HO.	PLTR. CK.	DEVIATION DEPTH	DEV. DIRECTION	DEPTH DEV.	DIRECTION DEPTH DEV. DIRECTION	THE MAN J. LANDING S
E D. THETTHES	5 STB. PT.	HOZZLE SIZE	PHE	TIME LOS EL	LAPSED DETAIL OF COURSE	HS IN SEQUENCE AND REMARKS		FLEMAN
8 E. ACCITICANT	5 STR. PT.	100 mm	130,000 17	8:00 4:00		ve Mape Bl	town who	FLEMAN
TOTALS 8	60PY 0.0. FT.	DEPTHOUT	SEASIEST X 300 200 7.7.	2,00	MADENE	DOK 30' 140	WEN HE DAIL! Pope Twee:	FLEMAN
THE SHARRY OFFICE USE ONLY)	5085 O.O. FT.	TOTAL PTG.	TYPE AMT. TYPE			//		
DAY WORK	BIT OR C.S. FT.	TOTAL HR. BUM	TYPE MAT. TYPE	ANT.	-			
HES, W/OP HES, WG/OP	KELLY DOWN FE							
HRS. STANDRY	TOTAL FE							
		REAMER TYPE	DRILLER TOWN TOWN	as annex al	i Flore D.	Wednesday - Out	Ser porces:	HD, OF DAYS SINCE LAST LOST TIME ACCIDENT
	HO. DRILLING ASSEMBLY AT SHE OF TOUR	BIT RECORD	NUO RECERD	FDOTAGE	DR-D COME FRA.R HO.	FORMATION MOV CORE RECOVERY)	BOTARY WT. OF PARTY LINES S.P.A. LINES S.P.A. PARTY LINES S.P.A. SEE S.P.A. PARTY LINES S	EVENING TOUR 4100 P.M. 1200 P.M.
		BIT HO,	TMS 9'+0	FROM TO	coss_c	ADV COLE KDODYSKI)	BPA BIT PRESS LINES S.P.A. LINES S.P.A. CONT.	
TOTAL DAY WORK	SHOLES D.P. PT. S.C.		ABOUT 10	4109	 			DRILLER H H A STANDER
WIRE LINE RECORD	10. 00. PT.	UFC.	WAL-GC					DRIMAN () Stille, &
REEL NO.	P.C.	H0.	FLTE. CX	DEVIATION DEPTH	bev. DIRECTION	DEPTH DEV.	DIRECTION DEPTH DEV. DIRECTION	FIREMAN / /
HO. OF LINES SIZE	578. PT.	NOZZLE SIZE	PH		LAPSED DETAILS OF OPERATIO	I was a second to the second t		FLRMAN
FEET IL PPED	5TB. 8007 0.D. FT. 1TB. 8007 0.D. FT.	SER. NO.	80ct. s 20	12:00 12:00	THE DETAILS OF OPERATE	HIS IN SEQUENCE AND REMARKS	(1. tul. 1.	FLRMM
PEET CUT OFF	E BMR. BODY C.D. PT.	DEPTH OUT	CRAMBAT	4.00 12.00	Post	11 Miles	1) 11 P. K12: 3 Am	FLRMAN
PRESENT LENGTH TOH M., OR TRIPS NINCE LAST CUT	9085 D.D. PT.	DEPTH IN TOTAL PTG.	MUD & CHEMICALS APOED		Clutch.			
SINCE LAST OUT CONULATIVE TON M. OR TRIPS	SITOR C.B. FT.	TOTAL PTG.	TYPE AMT. TYPE	MY.	Intellano	As hands	note from one tack	
HO, OF DAYS FROM SPUD	RELLY DOWN PE	COND. OF MT			55,4	- paging of	hours mulpin	
CUMULATIVE ROTATING HRS.	TOTAL PT.	EEANET HO.	1/0		0.5	1. D.00 6	ige surgen aso	
	WT, OF STREET LAS	REAMER TIPE	DRILLER J) 1 10 93		117 6 11	19)0	NO. OF DAYS

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	AILY DRILLING REPORT	REPORT NO. 2	F-13										
Faduboro (ul	Co	Laduboro ()	I Morolet # 1	O. PIELD OR DIST.	1	COUP	Micolet		STATE J.	ebec	DRILLING CREW	PAYROLL DATA	0.1
CONTRACTOR	RIG NO.	STRING JOINT	O.D. PUMPS	1	NZE	MAKE WT. 6		T REB. TO	TATE	REMARKS	DATE SEL	24 1963	NO 0
ORTH AMERICAN DRIL	LING COMPANY 4	NO. SIZE	NO. MANUFACTURER	TYPE STROKE	LAST		Avenus	CSG, HQ.			-	Salation (J. 4 1/	colitry Nº E
CHATURE OF OPERATOR'S REPERSENTAL	TIVE SIGNATURE OF CO	ONTRACTOR'S TOOL PUBLICR	1 Hational /	503 12	TUBHS			-			7	duboro Cel es	
Zho. W. Z	21		1	1	OR LINER		2					active to the co	
TIME DISTRIBUTION-HOURS	NO. ORELLING ASSEMBLY	BIT RECORD	AUD RECORD	POOTAGE	-				36	PUMP NO. METHOD	TOOL PUSHER		RIG HO.
MORN DAY EVE		FT. MTHO. 14		FROM TO	DALO CORE	(SWEW CO	RMATION RE RECOVERY)	ROTARY SIT	PUMP HU.	PUMP NO. METHOD RUN LINER S.P.M. PALEL P. SIZE COMPACT	-	MORNING TOUR 12 0	
UP&		FT. 928 8 34	200	4101 410		1		1880/	Size 2.P	SIZE SIZE	CREW		HRS.
LLING ACTUAL	D.C. "	wa Hic.	10	7/0/ 7/0	7 0	20 11 6		+ + -			DRILLER		VELLAND 8
ANG	12 1.06 016. 305	FT. TYPE KULJ	VISCSEC 29	-				-			DRIGHAM	Jon SA	NUERS &
DITIONING MUD RCULATING	D.C.	HO. 2/ 4	PLTR. CK.	DEVIATION DEP	TH DEV.	окестон	DEPTH DEV.	ривстви	PEPTH	DEV. DIRECTION	MTRMAN	Wa HS	ddaleh 8
5		FT. HOZZLE SIZE X 1/4	PH	RECORD							FIREMAN	Wahley	RhEAULT 8
RICATE RIG 14	STB. BODY O.D. STB.	FT. SER, NO.	50. CONT. \$ 214 500	PROM TO	TIME DETAIL	LS OF OPERATIONS IN SE	QUENCE AND REHARKS				FLRMAN		
ATION SURVEY	BODY O.D.	PT. DEPTH OUT	PRESSURE GRADIENT	12:00 2:00	2 1	aly.					FLRMAN		
B.O.P.	BOOY O.D.	PT, DEPTH IN	UNAMER!	2.00 215	14 Co	NN check	Rig				FLRMAN		
OFF.	0.0.	FT. TOTAL PTO.	TYPE AMT. TYPE AMT.	215 5.15	3 1	la .			,		1		
IR RIG	77.77.72	FT. TOTAL HR. RUN	TIPE AMI.	5.15 8.00	234 14	ortuny (ease Cent	of man	1.10		1	-	
NG	KELLY DOWN /2	FT. COND. OF BIT			10	comend of	buys that	right to	warill.		-		
LINE SHG .	TOTAL 4/169	PT. REAMER NO.		1		- //	/	//			-		
HING CASING MENTING		LEG. REAMER TYPE	Deller a Cheriland	1							NO. OF DAYS	SINCE LAST LOST TIME ACCIDENT	
ING OH ENT	NO. DRILLING ASSEMBLY	BIT RECORD	NUD RECORD	FOOTAGE	10.0 mas	3		1 1	PUMP HO.	PUNP HO. METHOD	NO. OF DATS		
L STEM TEST	STANDS D.P.	FT, BIT NO.	THE	PROM TO	10.0	(SHOW CO	RMATION RE RECOVERY)	ROTARY NT. CH		A SEE SPA PARES	-	DAY TOUR \$200	
ALIPARIE 8		FT. SEE	WEIGHT	-	-	1		1	508 5.5	SIZE LAW COMP-S		SOC. SEC. NO. HA	ME Hrs.
HG .	D.C.	urc.	VISC,-SEC	1	14	1	3			+++-	DOSLILLER	DEN	DENSON 8
A. PERFORATING	I.D. O.D.	PT. TYPE	*LCC	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	144	1						1.5.	Wennes &
s. TURING TRPS	D.C.	H0.	FLTR. CK.	DEVIATION	THE POEV.	DIRECTION	DEPTH DEV.	DIRECTION	PEPTH	DEV. DIRECTION	FIREMAN	2.9	
C. SPARRING		PT. MOZZLE SIZE	PH	RECORD		91				. 1		Jela	B Value
E. ADDITIONAL	BODY 0.3.	159. HO.	SD, CONT. S	FROM TO	TIME DETAI	LS OF OPERATIONS IN SE				1.4	FLENAN		
LS 88	STB. BODY 0.9. BAR. BODY 0.0.	DEPTH OUT	PRISSURE	8:00 V:00	8 /	Bleune	DOWN C	7,96'		* 9	FLEMAN		2.7
TIME SUMMARY (OFFICE USE ONLY)	1 1185	PT. DEPTH IN		1	- Sale	17	carried Ti	5 11.11	MES		PLISAN		
(OFFICE USE ONLY)	BIT OF C.S.	TOTAL FTG.	TYPE ANY. TYPE ANY.	-			P. P. T.	ONING /	200:				
W/DP		FT. TOTAL HR. RUN	EAT 12	1	h	UCELING	P.p.T.	4 POVO 1	11-0	C1//			
VO/DP		FT. COND. OF BIT	1247				//		-		:		
STANDBY		FT, REAMER NO.				-		- 11	13		1-		
		LSS. REAMER TYPE	DARLER SEN BOWON		1			7	1		HO, OF DAYS.	SINCE LAST LOST TIME ACCIDES	
	NO. DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	NUO RECORD	FDOTAGE	DR-0 CORE	E0	RMATION	POTABY ET ON	PUMP NO.	PUMP NO. METHOD		EVENING TOUR 4:00	
	STANDS O.P.	FT/ BIT NO.	THE 9:00 9:30 11.00	FROM TO	RM-R HO.	(SHOW CO	RE RECOVERY)	ROTARY WT. ON BIT	PRESS LINER S.P.		CREW		ME HRS.
		FT. SIZE	WEIGHT Gy-5" 10 - 10-11	4009				N	100	ALL CONTRA	DRILLER		
IL DAY WORK	D.C.	MFG.	WSC-SEC 33 23 23					22			DRKMAN	3 8	Graw 8
	1,0. 0,0. D.C.	FT. TYPE	*T-CC								MTRHAM	1 57	Stand 8
WIRE LINE RECORD	-1	HOZZLE HO.	FLTR. CK	DEVIATION DEP	TH DEV.	DIRECTION	DEPTH DEV.	DIRECTION	DEPTH	DEV. DIRECTION	FIREMAN		S. C. C. Conces
		FT. NOZZLE SIZE	PH		ELAPSED						PLRNAN	1 2 20	annie 8
L HO,		FT.	But. 191 PPM	FROM TO		LS OF OPERATIONS IN SE					PLEMAN	1	
L MO. OF LINES SIZE	STB. BODY O.D.	SER. NO.			V ///	Hang 1)	nual , la	er					
L MO. OF LINES SIZE T SLIPPED	STR. DOD.	PT. DEPTH OUT	PRESSURE 125 OCC PRAN	4:00 12:00	0	16	70, 2000				FLRMAN		
LMO, OF LIMES SIZE T SLEPPED T CUT OFF MENT LENGTH	STR. O.D.	DEPTH OUT	GRAMENT 235000 PPAG		100	far tra	den 1	well	1:10.		FLRMAN		
IF LINES SIZE SUPPED T CUT OFF MENT LENGTH ML OR TRIPS E LAST OUT	STR. O.D. Boot O.D. SUBS O.D.	DEPTH OUT	GRADIENT 25000 PAGE MUD A CHEMICAL S ADDED TYPE AMT. TYPE AMT.		100	far tra	Spe Hire	well.	dill:		FLRMAN		
L MG. OF LIMES SIZE T SLEPHO T CUT OFF SEMT LENGTH M. ON TRIPS IL LANT OUT LANT WINS	STR. O.D. BOST O.D. SUBS O.D.	PT. DEPTH OUT PT. DEPTH IN PT. TDIAL PTG	GRADIENT 25000 PAGE MUD A CHEMICAL S ADDED TYPE AMT. TYPE AMT.		100	far tra	den 1	Well.	rhill:		FLRMAN		
IF LINES SIZE SUPPED T CUT OFF MENT LENGTH ML OR TRIPS E LAST OUT	STB. O, D. But. O, D. SUBS O.D. BIT OR C.B.	PT. DEPTH OUT PT. DEPTH IN PT. TOTAL FTG.	GRAMENT 235000 PPAG		100	far tra	den 1	on hi	rhill:		FARMAN		

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TOR	AILY DRILLING REPORT	REPORT NO. A	8 DATE 7-23-63															
Ashing a	et Co	Lidubaro (X	Is throtet 1 1 min	o. MELD OR D	est.		001	HTY 7/		*	STATE	7	bee	DRILLING	REW PAYROLL DATA			
ACTOR	EIG NO.	DRILL PIPE TOOL STRING JOHT	a.a. PUMPS			sze	HAKE VT.	GR. 100	PEET	RKS. TO CSG. ND.	SETAT	PDAN		DATE	uly 23	-1962	Nº	00
TH AMERICAN DRI	LING COMPANY	HO. SIZE TYPE THO.	FO. WANUFACTURER	TYPE STROP				AMMIS		CM, MD.		14		WELL HAME	1 110 Tudent	and CABILIONS	N	90
URE OF OPERATOR'S REPRESENTA		TRACTOR'S TOOL PUSHER	1 Hatrond	5013 12	TUBER		1.					49		COMPANY_	Ludendo	oro Oct Co		
The 20.			1	-	OK LINEK	9%	-	7			226			TOOL PUSH	ER		RIG NO	1
INE DISTRIBUTION_HOUSE	NO. ORILLING ASSEMBLY	BIT RECORD	AUD RECORD	POOTAG	SE 00.	o cons	,	CREATION ORE RECOVERY)				P HD. PI	UMP NO. HETHOD	-		HIC TOUR 12 00 PM 8	DO AM	
HORN DAY EVE	STANDS D.P. 372/ 1		THE 4 60	FROM	TO CORE.	4				87% 1000 F	200	1,P.M. LINE	S DAM STORY	CREW	SOC. SEC. NO.	NAME	HRS.	
тем 72 m	SNOLES D.P.	1. um 8 34	YDGHT 16, 1	4022	10500	-	Sand +	line	1	10 30	100 24	64	S	DRILLER		A ChEVELI		-
GACTUAL 74 73 TA		T. TYPE KALL	VISCSEC 1/0		-				-	-		7 10	2	DREMAN	-	TOM SANJER		
DHING MUD	6.6.	HO. 1	FLTR. CK.	DEVIATION	DEPTH	DEV.	DIRECTION	перти п	EV. DI	RECTION	DEPTH	DEV.	ривестон	MTRMAN		w"H Sidda	16 8	-
A. A.	N 10. 00.	HOZZELE SIZE X X	PR PR	RECORD			24							FIREMAN		Wally Phier	1461 8	-
TE 816 1/4 U.	2 STB. O.D.	T. SER. HO. 27932	CONT. N. 201,500	TIME LOG		DETAIL	LS OF OPERATIONS IN S	EQUENCE AND REMA	RKS					FLRMAN			-	+
OH SURVEY	200Y O.D.	T. DEPTH OUT	PRESSURE GRADIENT		1.30 /2	Fe	nish IN 1	Jah E		-7				FLEMAN	+ + + +			-
ap.	SE SOOY O.D.	т. регин 4012		12 30 12	00 74	P	4 M P 500	15 x - Ch	REL	18.5.						1330		1
G UHB	BTORCA P	TOTAL PTG.	TIPE AMT. TYPE AMT.	12 42 8	00 /4	des	My YSONN		-					1		11.		
RIG		"														- 11-71-1		
HE 6	EELLY DOWN ///				1	22	17 - 18	7 - 1	4		2					71.		1
G CASING KTING	TOTAL 4050 ,														13	- may a compared to		
CH		S. REAMER TYPE	DERLER A Newstand	4, 1	1 1			<u></u>						NO. OF DAYS		T LOST TIME ACCIDENT		
TEN TEST	HO. DRILLING ASSEMBLY AT END OF TOUR	MT RECORD	MUD RECORD	FOOTAG	PM.	CORE NO.		ORNATION BIT	" 14 "	RPM NOON	PEAP PEA	AP NO. PI	LP.M. SCALE			TOUR 8:00 AM 4	100 P.M	_
14		T. SIZE 0 %	THE 9:00	PROM	10 0000	1.00		OKE HELDTENI)	_			1.5,4, 102		CREW	SOC. SEC. NO.	HAME	HRS.	
1004-	D.C. Z	8/4	WISCSEC (10	4050 4	10 50 D		France :		- 4	10 30	700 SA	64	5	DRILLER		EIN DING		
PERFORATING	12 4all an 305		NIC-SEC YO	130						-				MTRMAN	11 8	L. F. Telenne	8	
TERROR TRIPS	D.C.	MO. 2	nina. 2	DEVIATION	DEPTH	DEV.	DIRECTION	DEPTH C	EV. DI	RECTION	DEPTH	DEV.	DIRECTION	FIREMAN	. 3	J. Creether	8	
гатию	8 STB.	T. MOZZLE SZE X Z	PH *	THE LOG	ELAPSED	+	T						1, 3	FLRMAN		O P WHING	- 1	1
ADDITIONAL.	500Y 0.D.	T. SER. NO. 2 27932	Carl accord CRI	PROM (0'	10 TME	DETAI	LE OF OPERATIONS IN S	EQUENCE AND REMA	RICS					FLRMAN	25	4.		1
889	6 500Y 0.0.	DEPTH OUT	CRASSEST CRASSES	9:15 9:	30 1/2	1/01	CASE ! C	men se	1 7		FATS:			FLRMAN.		THE MALE	700	
THE SIMMARY (OFFICE USE CHLY)	5005	T. DEPTH H 44:22	Organia pil		:00 6/4	172	Meret .	Mark Mark	2					1				1-
ec .	SIT OR C.B.		TYPE ANT. TYPE ANT.		1	4	3 7 1- + 818	grand .	215	~ 1	32 1			-				-
op .		T. COMD. OF BIT	Sale: 20	-		+								1				-
MORY	TOTAL	T. FEAMER NO.		-		-								1				+
	11.0111100 82.00C U	G. REAMER TYPE	BELLET BENERA			+								HO. OF DAYS	SINCE LAS	ST LOST TIME ACCIDENT		
	NO. DESLUTES ASSENSALY	BIT RECORD	NUC RECORD	POOTAG	GE 84-1	o come		RNATION	100	TARY 17. 00			UMP NO. METHOD		-	HING TOUR 4:00 PM	1:00.	
	STANDS D.P. 376/	т. ат но. 14	тые 4:30 -	FROM	TO COME.	CORE NO.	(SHOW C	ORE RECOVERY)		FART WE. GO		5.P.M. 100	S.P.M. SGL. S PAR'EL-P	CREW	SOC. SEC. NO.	HAME	HBS.	T
	BHOLES O.P. F	L MEE 8 Me	HEIGHT 7.7	4080 4	101		Mid.		4	10 30	700 54	CAL		DRILLER		the Un Itra	w 8	
DAT WORE		wa H.t.C	MSC-SEC 41 0 :	-		-								DRKMAN		or auch	8	
VIRE LINE RECORD	12 DE / 1/4/	T. TIPE RGIJ	nec 7	DEMATION	DEPTH >	DEV.	DIRECTION	DEPTH C	ev. De	RECTION	DEPTH	DEV.	DIRECTION	MTRMAN		2 Myllar	8	
nes & size/-	5 LD. O.D. 203 P	T. MOTELS SEE 7 3	MILA TO STORE OF PA	RECORD	8.			The same of the	- Jack			361	Table 1999	FIREMAN		It teamin	e 8	-
IFFED	STR. STR. P.D. F		800. s	PROM	TO THE	gerna	LS OF OPERATIONS IN	EQUENCE AND REMA	acs .		2 1			FLRHAN		1		1
UT OPP	11b. 10D. 1 10DT 0.D. 1 10DT 0.D. 1	T. BEPTHOUT	PRESSURE GRADIENT		00 11	142	los				1			FLRMAN				-
TLEMSTH	SUBS O.D.	T. DEPTH IN	312 1	5:00 5	15 1/2	30	Pent	3	- 3					1			2 .	1
OR TRIPS AST CUT	MTORGE P	T. TOTAL FTG.	TYPE AMT. TYPE AMT.	5.13 /2	00 624	111	9		- 4	-		1.7		-				1
OR TRIPS		T. L TOTAL HR. PUH		- 44	ar III			1 19								The state of the		I
DATS PUD ATIVE NO HEL	FELLY DOWN 31/ F			7 (4)		100			14 N. Y			V				10		1
AC HES.	TOTAL 4101 F	T. REAMER NO.	DHLLES // 67	100	134	3 37 08		-								- 5		1 7

A.A.O.D.C--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM



Nº 899	0	0	¥													
DAIL	Y DRILLING REPORT	REPORT NO. 2	in													
OR	1 0	LEASE	WELLN	o Pipu	OR DEST.		COUNTY			STATE		2	DRILLING CREW P	PAYROLI DATA	1.0	4
luboro Cel	Co		protest !	712				Throb			Luch		11/	22 /6	643 . / 4	
CTOR	RIGH	STRING JOINT	O.D. PUMPS		STROKE LAST	SIZE	MAKE WT. & GR.	NO. PER	Cau, HU.	SET AT	REMARKS		DATE THE	100	12 411 L. H	No.
TH AMERICAN DRILL		NO. SIZE TYPE THD.	HO, MANIFACTURER	TYPE	LENGTH CASING						1		WELL HAME & HO	Tedis 60	O. C.	1
RE OF OPERATOR'S REPRESENTATIV	E SIGNATURE OF	CONTRACTOR'S TOOL PUSHER	1. Habonal	15013	TUBING OR LINER						1		COMPANY	x course 8	10 121 00	4
1. W. 7			3.		1101								TOOL PUSHER			RIG 110
E DISTRIBUTION-HOURS	NO. DRILLING ASSEMBLY	BIT RECORD	AUD RECORD	F	DOTAGE	CORE	FORM	TION	ROTARY BIT	PUMP PUMP	HO. PUM	P NO. METHOD			TOUR 12 00 P.M. &	
MORN DAY EYE	STANDS D.P.	FT. BIT NO.	TIME	FROM	TO CO	E.,C MO.	(SHOW CORE	ECOYERTI	RPM 1800 A	PUMP PRESS LIMER SIZE	S.P.M. SIZE	COM D.C	CREW 1	SOC. SEC. HD.	HAME	HRS.
(8)	SINGLES D.P.	FT. SIZE	WEIGHT	402	2 -	_			+	+			DRILLER		A CHEVELAN	
ACTUAL	D.C.	MFG.	VISC.~SEC						+		1 10	er	DREMAN		JOM SANDERS	11 8
	1.D. O.D. D.C.	FT. TYPE	W.LC.C.		DEPTH	DEV.	DIRECTION DE	TH DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	MTRMAN	1	WELLY Khip	11 8
NING MUD ATING	0.0.	FT. MOZZLE NO.	FLTR. CK.	RECORD	DET IN	UL.	DIRECTION OF						FIREMAN		Withhy MARK	14/0
42	STB.	sze	PH SO.	FROM	E LOG ELAPS	DETAIL	S OF OPERATIONS IN SEQUI	NCE AND REMARKS		N.			FLRMAN			
TE RIG	STB.	SER. NO.	SO. CONT. %	12:00	1.30 1	2 15	en in Tasi	1004					FLRMAN			-
SURVEY	RMR. BODY O.D.	PT. DEPTH OUT	PRESSURE GRADIENT	130	3 15 1-	My T	ESTING.			1			FERMAN	+ 1	-	
P. LINE	3UBS 0.D.	FT. DEPTH IN	TYPE ANT, TYPE ANT	315	7:00 3	4 1	11 ing 051	11 1660	Mulh	no May	No 1	EST	-			
IG IG	BIT OR C.B.	FT. TOTAL FIG.	TYPE MIT, TYPE AMT			13	ENTING DO	wa TEL	Took				-			
16		FT. TOTAL HR. RUN		700	8:00 1	101	ST NO. 1 FT	oh Pic	hing a	1 1006.						
	KELLY DOWN	FT, COND. OF SIT		+	-	ρ	ST NO. 1 FTE	m 3950	JE 402	72						
CASING TING	TOTAL	FT. REAMER NO.	DRILLER	-		-							NO. OF DAYS	SINCE LAST L	OST TIME ACCIDENT	
DK =	NO DRILLING ASSEMBLY			-	OOTAGE				POTANY WT. O	PIN	P NO. PUM	P NO. METHOD			UR 8:00 A.M. 4	100
TEM TEST &	AT END OF TOUR		AUD RECORD	FROM	10 00	R_D CORE M_R NO.	FORM (SHOW CORE	TION RECOVERY)	ROTARY BIT			S.P.M. SGL-P COM'O-C	CREW	SOC. SEC. NO.	****	HRS.
34	STANDS D.P.	FT. BIT NO.	TIME	PROM	10 00	NE-C				3122	SIZE	COMO-C	DRILLER	1	Bun Beens	
	SINGLES D.P.	FT. SIZE	WEIGHT								9		DRKMAN		h. F. Teleners	
IRFORATING	1.0. 0.0.	NFG	VISCSEC	- 1									MTRMAN	7	J. Queller	2
UBING TRIPS	D.C.	FT. TYPE	W.LC.C.	DEVIATIO	DEPTH	DEV.	DIRECTION DE	PTH DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	FIREMAN	7.7	J. L. BNERY	8
PAREING	1,0, 0,9,	FT. MOZZLE SZE	PH PH	RECOR		-	4						FLRMAN			
ESTING	STR. BODY O.D.	FT. SER. HO.	SD, CONT. %	FROM	TO TIME	DETA	LA OF OPERATIONS IN SEQU	ENCE AND REMARKS	BEHSE S	CHICH	Asto:	0	FLEMAN			
BBITIONAL	STB. BODY O.D.	FT. DEPTH OUT	GRADIENT	8:00	11:30 3	2 150	NAD IBIDO	0 402	2 700	1561 11	VEIRE	TO KER	FLRWAN-		- 1	1
THE STRINGEY	800Y O.D.	PT. DEPTH IN	VARIANT	11:30	2115 3	4 64	ECH TOOL	DD Tipe	WFR (1)	BULLEY	BRKKK	SFRI				
TIME SUMMARY (OFFICE USE ONLY)	0.0. BIT OR C.S.	FT. TOTAL FTG.	TYPE AMT, TYPE AMT	7:15	4.00 1	11 /5	ST No.18	EV. TERE	4	000			1			
ik	Bit DR C.S.	PT. TOTAL HR. RUM		+		-	13/ /-	FFERT 373	3 22 1				1			
OP /DP	KELLY DOWN	FT, COND. OF BIT														
HDBY	TOTAL	FT. REAMER NO.								1						
	WY. OF STRING	LBS. REAMER TYPE	DRELER NEW KINSON				1					m we METHOD	NO. OF DAYS		LOST TIME ACCIDENT	
	HO. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD		FOOTAGE	R-D CORE	FORM SMOW CORE		ROTARY WY.	UNIPUMP .		RUN			S TOUR 7:00 PM/2	P.M.
M A	STANDS D.P.	FT. BIT NO. 14	TIME	FROM	TO 60	RE_C	L SHOW CORE	KECOVER1)	RPM 817	# SIZE	S.P.M. LINER	S.P.M. PAR'EL-P	CREW	SOC. SEC. NO.	HAME	HRS.
	SINGLES D.P.	FT. SIZE Q 3/2	WEIGHT			-				-	-	-	DRILLER		A Marin	U (500
AY WORK	-	MFG. HTC	VISC,-SEC			-						+	DRKMAN		A CAMPAGE	8
VIRE LINE RECORD	1.0. O.D.	FT. TYPE RCLT	W.LC.C.	_	DEPTH %	DEV.	DIRECTION OF	PTH DEV.	DIRECTION	DEPTH	DEV.	PERECTION	MTRMAN		Hillyng	8
).	5 I.D. O.D.	FT. NOZZLE	FLTR. CK	PEVIATR		52.1	SIRCE TIME					-	FIREMAN		17 Terna	1. 1
INES SIZE	STB. BODY O.D.	SIZE	PH	FROM	WE LOG ELAP	SED DETA	LS OF OPERATIONS IN SEQU	ENCE AND REMARKS					FLRMAN			
LIPPED	STR. O.B.	FT. SER. NO. 2772	SONT. T.	4:00	7:30 3 1/2				3943				FLRMAN			
UT OFF	STB. BODY O.B. RMR. BODY O.B.	DEPTH OUT	PRESSURE GRADIENT		100 14	1/2	LAP out HOC	LEK SEIB	3/72							
OR TRIPS	SUBS O.D.	FT. TOTAL FTG.	MID & CHEMICALS ADDED TYPE AMT, TYPE AM	100	11/2 1 3		aking their		1	the offer	tool		!		-	
ATIVE	BIT OR C.B.	FT. TOTAL HR. RUN	TIPE ANT, TIPE AN	40.15	12,00 13		aking cours		yeng cer.	con cert	war					
ATIVE OR TRIPS DAYS		FT. COND. OF BIT			12/100 12	17	198.6	-								
	KELLY DOWN	ET. COMP. OF DIT		1									1	-1-1-		
DAYS SPUD ATIVE ING MRS.	TOTAL	FT. REAMER NO.			-		-						1	1 1		







	DAILY DRII	LING REPORT	REPORT NO. 26	DATE 7-21-63								
OR C	0		LEASE		FIELD OR DIST.		COUNTY	∠ STATE	-1 4	DRILLING CREW PAYROL	L DATA	
duboro Ca	X	RIG NO.	DRILL PIPE TOOL STRING JOHT	I speciet + 1 PUMPS		SIZE MAKE	WT. & GR. JOINTS	FEET RKB. TO SET AT	Luebec .	DATE Vuly	1 1943	NO 0
H AMERICAN DR	LLING	COMPANY 4	HD. SIZE	O.D. FUMES	TYPE STROKE LAST	GEL SAKE	JOINTS	CSG, ND.		WELL HAME & NO.	Jano (A. S. Theolat 19)	Nº 8
RE OF OPERATOR'S REPRESENT	ATIYE	SIGNATURE OF CON	TRACTOR'S TOOL PUSHER		SOB 12 TUBING	-311				COMPANY Zala	Jose Oul co	
The W.	7	L.		2 1	OR LINER	91/4	7	236	8	TOOL PUSHER	1	RIG NO
E DISTRIBUTION-HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	■UD RECORD	FOOTAGE ON	.0 CORE	FORMATION	PU PU	NO. PUMP NO. METHOD RUN		MOTHING TOUR 12 00 P.M. 8	é o A.M.
MORN DAY . EV		STANDS D.P. 3898 F	T. BITNO. 13- 9 12 11 V.	THE 400	FROM TO COR	E.C	(SHOW CORE RECOVERY)	1000 SIZE	S.P.M. LINES SAL PAREL-S SIES COM-D.C	CREW SOC. SE		HRS.
XN .		SINGLES D.P. F	T. NZE 834	WEIGHT 10	3975 3991 1	Ream	ing Sandtaken	10 25 1- 100 31		DRILLER	17 ClievEloria	
ACTUAL CALL	- 6	I.D. O.D. /60 F	T. THE LAND THE PARTY OF THE PA	VISCIEC 39			2			DRKMAN	tom Francis	24
ING MUD	┨┠	D.C.	TYPE NO.	PLTR. CE.	DEVIATION DEPTH	DEV. DIRECTION	DEPTH DE	Y. DIRECTION DEPTH	DEY. DIRECTION	FIREMAN	WELLY Sternali	
28	5	i.D. 0.D.		PH	RECORD					FLRMAN	1777	
RIG /2] <u>}</u>	STB. BODY O.D.		CONT. N 1-12 000-	7 00 2 45 2	DETAILS OF OPERATI	IN IN SEQUENCE AND REMARK	M. In		FLRMAN		
SURVEY		BODY O.D. F	TUO HTSJIG	PRESSURE	2 45 800 5/4	Bush	CARE YOLK	1. 8 31		FLRMAN		
UNE	11	SUBS O.D.	DEPTH IN 39/7	MID & CHEMICALS ADDED						1		
LINE	1 -	BIT OR CB.	TOTAL FTG.	TYPE AMT, TYPE AMT.								
	1 ⊩	ENLY 0001 2.2 F			1				(4)			
	1 -	TOTAL 399/ .		3								
ASING NG	<u> </u>	OF STEED 7 14 LB		DRILLER A Clavet und						NO. OF DAYSST	NCE LAST LOST TIME ACCIDENT	
A TEST	- NO	AT END OF TOUR	BIT RECORD	MUD RECORD		LO CORE	FORMATION (SHOW CORE RECOVERY)		NO. PULF NO. METHOD RUN		DAY TOUR 8:05 A.M. Hic	
		STANDS D.P. F	T. BIT NO. 8 1/3	THE 9:00 3:00	FROM TO COL	Eat		314.6	LP.M. LINER S.P. AR'ELS	CREW SOC. SE		HRS.
] -	SINGLES D.P. P	FT. SIZE STA	■EIGHT 4 8 9.8	3991 4C20 H	· Vinner	w Were 83	4 45 15 200 50	60 5	DRILLER	Ben Bengon	8
FORATING	19	40.400 160	MFG. 1/20.	VISCSEC 30 4/1						MTRMAH	J. Crellens	8
ING TRIPS	1 r	D.C.	NO, Z	PLIR CK. 6/	DEVIATION DEPTH	DEY. DIRECTION	DEPTH DE	Y. DIRECTION DEPTH	DEM. DIRECTION	FIREMAN	J. Lauray	8
ESING TING	- g	I.D. Q.D. STB.	NOZZLE SIZE	PR	TIME LOG ELAPS	D DETAILS OF OBERA	IONS IN SEQUENCE AND REMAR	PYE		FLRMAN		
DITIONAL	11	I SODY O.D. I	FT. SER. NO. 1/31/14	50 color. x 300/17	Sicc Wico Z		c Ceri pel			FLRMAN		
88		STB. BODY O.D. BODY O.D.	FT. DEPTH OUT	PRESSURE GRADIENT	10:00 10:30 1/	TEREUEF.	- CHICK BUG	: Swirt TrpA	IR;	FLRMAN.		
TIME SUMMARY (OFFICE USE DRLY)		SUBS O.D. F	FT. DEPTH IN 39/7	TYPE ANT. TYPE ANT.	10:30 11:00 11/4	DEMMIN	4:					
-	┨├	BIT OR C.B.	FT. TOTAL HR. RUN	Sind - 25	11:45 19:30 3/4	Ver = O.	EHN /176: /	CHEMITA MUD.	1			
P	1 🗀		FT. COND. OF BIT	Sental 12	11.30 9.17 02	11 ED MAIN	e il e pi sus de	Alloide 1 / Dr.				
DBY			FY, REAMER HO.									
1.1			BS. SEAMER TYPE BIT RECORD	DRILLER MUD RECORD	FOOTAGE				MP HO. PUMP HO. METHOD	NO. OF DAYSS	EVENING TOUR 4:00 PM 2:0	et .
	н	AT END OF TOUR	FT. SIT NO. 13	THE U	Ri	CORE	FORMATION (SHOW CORE RECOVERY)	RPM BIT PRESS LINE	R LINER SGL-S	CREW SOC. S	EVENING TOUR 7 P.M.	P.M.
	1 1-		FT. SIEE	WHIGHT OF A	14018 4012		of ja Vie	4= 1= 700 5	60	DRILLER	I H De Han	5.
r work		D.C.	WG. 441C	VISCSEC 41			7			DRKMAN	6 Duelle	Ŕ
IRE LINE RECORD		I.D. O.D. 6	TYPE RG/J	W.LC.C.		DEV. DIRECTION	DEPTH DE	EV. DIRECTION DEPTH	DEV. DIRECTION	MTRMAN	1 Hallon	1 8
Fo. 1 1	- 4		FT. NOZZLE NO. 3	FLYR, CK	DEVIATION DEPTH	DEV. DIRECTION	DEFIN OF	Et, Diagonos Do in	DE11	FIREMAN	I Trans	c F
IES X SIZE/		STB.	SIZE	РИ 80нт. ж. 2/4 ст.	TIME LOG ELAPS	DETAILS OF OPERA	IONS IN SEQUENCE AND REMAI	RKS		FLRMAN FLRMAN		
PED	- 1	BODY O.D.	FY, SER. NO. 19 305 COL	80HT. % 2/4	4:00 4:41 4		Cooklete	7. 7		FLRMAN		
LENGTH	11	RMR, BODY O.D. SURS O.D.	DEPTH OUT DEPTH IN 29/2		610 7.20 %	Rund	Mig test	40 mg (1)				
R TRIPS ST CUT			TOTAL FTG.	TYPE AMT, TYPE AMT.	7 6 7:50 1%	1 /2 to a	est of hele					· (t)
YE R TRIPS			TOTAL HR. RUN		9:50 11:30 14	making	e days 1+ fice	hard test tool	,	1	1	
AYS ID IVE			FT. COND. OF BIT	1 / 2	1130 12.00 13	June -	Hill					
IVE G HRS.			PT. REAMER NO. BS. REAMER TYPE	DRILLER						NO. OF DAYS S	INCE LAST LOST TIME ACCIDENT	

TOR	ILY DRILLING REPORT	LEASE	ORT NO. 25		7.20			(
Tadubaro Q	100	To dente		11/11	old!	m 1 1	ELL NO.	FIELD OF	R DIST.	-			COUNTY	71	1.1		STATE	Ine	low		DRILLING C	REW PAYROLL DA	ATA		
ACTOR	RIG NO.		w	0.0.	10 C 2 1	PUMPS	_		T	_	SZE	MAKE	WT. & GR.	HO.	FEET	RKB. TO CSG. HD.	ET AT		EMARKS		DATE 12	uly 20		963	10. 8
TH AMERICAN DRIL	LING COMPANY 4	NO. SIZE		MO.	MANUFAC	TURER	TYPE	. 22	WOK P	LAST				JOINTS	1	CSG. HD.	-			-	WELL HAVE	& HO. Tada	nt-ore	of S/protest "	. 0
TURE OF OPERATOR'S REPRESENTATI	in lander	TY	PE THD. IR	1. 7/	atros	- 1			12 1	TUBING	\vdash		-			1					COMPANY	Tadard	boro	Old co	
7/ 200	- 1			2. /		-	-	-	00	RLINER	9%			7		2	36				TOOL PUSH				RIG NO
INE DISTRIBUTION-HOUR	HO. DRILLING ASSEMBLY	BIT RE	COBD :	-	MUD REC	non		Enm	TAGE	T 00.0						_		UMP NO.	PUMP N	O. METHOE			ORNING TOU	12 00 PX 8 0	
ME DISTRIBUTION-HOURS	STANDS D.P. # 7/2 M		0	TIME	4:30	ORD		FRON	то	DR.,D RM. R CORE.,	CORE NO.	(\$1	FORMATION OW CORE RECO	VERY)	ROT	ARY BET PM 1960#	PUMP PRESS LINE	ER S.P.M.	LINER S	P.M. PAR'EL.	CREW	SOC. SEC. NO		NAME	HRS.
1994		T. SIZE	6%	WEIGHT	10.1		3	975	399		01			-							DRILLER		19	CLEVELIAN &	8
ACTUAL 18	D.C.	HFG.	Cork	VISCSEC	40																DRKMAN		10	M. SHNdERE	8
	1.D. Q.D.	T. TYPE	Auron	W.LC.C.				_			\perp					٠,	-	4			MTRMAN	i	w	H S, ddahh	8
HING HUD	6 12	HOZZLE HO.		FLTR. CK.			9	EVIATION	DEPTI		DEV.	DIRECTION	DEPTH	DEV	DIRI	ECTION	DEPTH	DE	v. (DIRECTION	FIREMAN		W	Eleby Rhamali	18
	9 100 60 160 ·	WZE SIZE	10	Pil				TIME C	70	ELAPSED TIME	DETAIL	S OF OPERATION	an examence	AND DENATE							FLRMAN		_		+
TE RIG My	SODY 0.3.	SER. NO.	9652	CONT. N	210 50		1	200	1215	4		er k 12.									FLRMAN				\rightarrow
H SURVEY	518. 5097 0.0. 518. 5007 0.0. 518. 5007 0.0. 518. 518. 518. 518. 518. 518. 518. 518	DEPTH OUT		CRADIENT				115		7 %		SE F	1								FLRMAN				+
CP.	34/95	DEP TH IM	3975		AID & CHEMIC	AL S ADDED	_				1														\rightarrow
	MTORCS. 59		-	TIPE	MAT.	TYPE	ANT.															-			1
748		TOTAL HR. RUN	-	-	-						-										-				-
748	KELLY DOWN 34	-	-	+	1			-	-	_	-		_								-		_		+
CASING TING	WY. OF STREET 71/ 25% U			DRILLER	100	welan	0				-								_		HO. OF DAYS	SINCEL	LAST LOST T	TIME ACCIDENT	
GR .	NO. DRILLING ASSEABLY	Print I	RECORD	-	AUD REI			800	TAGE	T.,						WT. 04		PUMP HO.	PUMP	HO. METHO				3:11 AM 4:00	2
TEM TEST	AT END OF TOUR		a l	-		COMP	-	FROM	Т0	DR. C	CORE NO.	cs	FORMATIO HOW CORE RECO	H DVERT)	801	PM 1000-F	PRESS LIN		LOCA I	RUN SGL-S PAR'EL COM'D-	CREW	SOC. SEC. NO		HAME	HRS.
		FT. SIT HO.	H,	TIME	9:00	-	- 3	992	_	_	"/			-	- 0	0 14		¥ 52	-	5				Jen Bincon	8
	D.C.	MPG.	1/2	VISCSEC	9.8		- 3	114	70.0		1					24	21	-			DRKHAN			E. THOMAS	9
ERFORATING		PT. TYPE	Ceres	N.LC.C.	110																MTRMAN			Quille	8
TUBING TRIPS	9 46 Has 140	140.	Dag	FLTR. CK.				EVIATION	DEPT	TH.	DEV.	DIRECTION	DEPTH	DEV	. DIR	ECTION	DEPTH	DE	W.	DIRECTION	FIREMAN			Linery	8
TESTING	7 STR 7 9 0	FT. HOZZLE SZE		PH				THE	og .	ELAPSED TIME		LS OF OPERATION		AND DEVACE		,	10				FLRHAN		,	11	
ADDITIONAL .	515. 9007 0.8.	FT. SER. HO.	4462		3015	· · · · ·	like o	PROM	4:00			SOF OF EKATION	S IN SEQUENCE	AND KEMARK	· CA	F. 1157 5	CHEC	HAVE			FLRMAN				\rightarrow
40	900Y 0.8.	DEPTH OUT	7	GRANIENT		77	-		7.00	-	-	91									FLRMAN.		_	-	_
TIME SUMMARY OFFICE USE ONLY)	SUBS 0.0.	PT. DEPTH IN	3975	+	and a Chillian	AL C ADDED															-		_		
UK Ing	BIT OR C.B.	FT. TOTAL PTG.		TYPE	AMT.	TEPE	ANT.														-		-		+
DP		PT, TOTAL HE RUN		+	+			-													- 1	+++			+
/DP		FT. COHO. OF BIT FT. REAMER NO.		+	+		\dashv	-			-										-				
ANDRY	70 70	DS. REAMER TYPE		DRILLER	10	Bene	7	-			-										NO. OF DAY	S SINCE	E LAST LOST	TIME ACCIDENT	
	NO DEILLING ASSEABLY		RECORD		HUD RE		-	FOO	TAGE	100			PORAATIO	N.	-	TARY ST. 50	I	PLMP HO.	PUMP	NO. METHO	io .		EVENING TO	UR4'00 PM /2'00	2 14
	STAMOS D.P.	FT. BIT NO.	H	THE	5.00		_	FROM	то	CORE.	C C C C C C C C C C C C C C C C C C C		NOW CORE RIDO	OVERY)		TABY WY. CH	PRESS LIN	15.4	CHER	S.P.M. RUM SGL. S PAR'EL COM'D	P CREW	SOC. SEC. N		NAME	HRS.
		FT. SIZE	64	_	9.7		4	0/3	4022	C		Couts				0 K	800 S	K 52			DRILLER		1/1	Do How	8
DAY WORK	b.C.	MFG.	Carr	VISCSEC	-			'	1												DRKMAN		4	Quillen	8
WIRE LINE RECORD		PT. TYPE	No	W.LC.C.				_	_		1										MTRMAH		Ø	Hulland.	8
0.	D.C.	HOZZLE HO		FLTR. CK	50		D	RECORD	DEFT	18	DEV.	DIRECTION	DEPTH	DES	r, D46	EEC THOM	DEPTH	e Di	EV.	DIRECTION	- FIREMAN		T	Leaning	8
LINES & SIZE /"	P STR.	SIZI	£	PH	_		_	THE	LOG	ELAPSED TIME	DETAI	LS OF OPERATIO	ES IN SEQUENCE	E AND REMARK	13	_			1 3		- FLRMAN			2011	
ufreo	2 800Y 0.D.	FY. SER. HO.	4652	BHT. S			- 4	:00	8:00	4	- 0	11 H.									FLRMAN	\perp			-
NT OFF	Ref.	DEPTH OUT		PRESSURE GRADIENT	-		- 12	:00	9.45	132	-	tupo	20/11	6. 1	Bac 2	41.	4				FLRMAN				\rightarrow
OR TRIPS	CHIPC	FT. DEPTH IN	3775	1.17	MIR & CHES	10,000/	1 44 Car	4	11:00	119	14	Villa	w. 1 6	1 ,	441	Rea	ing					+++	-		
OR TRIPS LAST CUT	BIT OR C.B.	FT. TOTAL FTG.		TIPE	AMT.	TYPE	MT. 1/	1:00	17.00	1%	P	he fire	1 bear	1/0	eyling o	don	de	Bon	000			+++	-		
ATIVE . OR TRIPS		FT.		-	+-			-	1		+				1		- /		_	-	- :			-	
DATS SPUD ATTIVE THIS HEL		FT. COND. OF BIT FT. REAMER NO.		_	1./	0	2	-27			-			_	-						- ;				2
ING HEL	IUIAL	SS. REAMER TYPE	-	DRILLER	111	V/)	4	-		-	1	~									NO. OF DAY		LAST LOST		

		LEASE																						
Lesentoro Oc	l lo	To in his	aro (X	Allen	let 111	WELL N	IO. FIEL	D OR DIST.			T	COUNTY	71.	otek	_	STATE	7.	ne b	-	DRILLING CR	KEW PĄYROLL DATA			
RACTOR RTH AMERICAN DRILL		DRILL PIPE TO STRING JO HQ. SIZE	DOL DINT C	I.D. NO.	WANUFACTURER	PUMPS	TYPE		LAST	SIZE	MAKE	NT. & GR.	ME. JOHNTS	FEET SE CS	8. TO 6. HD.	SET AT		PENANCS	127	DATE 1	My 19	1963 no () A Ac	ulit H , N	· 8
TURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CO		YPE THD. ER	1 7/	ational		500	12	CASING TUBING			-		_	-					COMPANY	Ludub	ero cal	e.	
26. 20. 7	00			1			-	- '	OR LINER	92			7	_		136				TOOL PUSHE				RIG NO.
THE DESTRIBUTION MODERS	NO. DRILLING ASSESSALT	BIT RI	ECORD		NUO RECORD		F	COTAGE	DR.,D	CORE		PORMATIO		20742	¥7.00	II	PUMP HD.	PUMP	HO. METHOD	TOOL FOSHE		ING TOUR 19'0	O PM 8'00	
MORN DAY EVE		FT. BIT NO.	13	TIME	1:30		FROM	то	DR., D RM. R CORE., C	HO.	(SINC	W CORE REC	DYERY)	RPW	10000	PRESS LI	1,7,4, 25	Line	METHOD RUN SGL-3 AR'EL-P	CREW	SOC. SEC. NO.			HRS.
DOWN		FT. SIZE	834	WEIGHT	10.1		3946	4 397	3 D		Sand	* Z	ag yell	40	30	1000 0				DRILLER	1 1		1= hANd	8
NG ACTUAL & X	7.37	HFG.	1118	VISCSEC	40															DRKMAN		Tom Sun		8
G CONTRACT (C	D.C. 3.5.5	FT. TYPE	11015	■.LC.C.				DEPT				DEPTH	-	NAME	701	2000			DIRECTION .	MTRMAN			Tiddal. lo	8
LATING	I.D. O.D.	PT. HOZZLE	1 3	FL.TR. CK.		_	DEVIATION RECORD	R DEP	1M D	EV.	DIRECTION	DEPTH	DEV.	DIREC	TION	DEPT	H 54	EV.	DIRECTION	FIREMAN		WELley	Rhemalit	8
ATE RIG	178	Size	18	PH Sb.		_	FROM	E LOG	ELAPSED TIME	DETAILS	S OF OPERATIONS	IN SEQUENCE	AND REMARKS		-	-	-			FLRMAN		,		
ON SURVEY	STB. BODY O.D.	SER. NO.	436.44	CONT. % PRESSURE GRADIENT		+-		8:00		16	No									FLRMAN			•	1
ar. 1	RMR. BODY D.D.	FT. DEPTH OUT	25.2	GRADIENT		1	-				/									FLEMAN				
CUNE 1	0,0,	PT. 20741 PTG	3917		ANT. TE	CEO	-		,														3.0	1
RIG	arrow C.E.	71.		TYPE	ANT. TE	MANT.	4													1				-
							 	-		-										-		-		1
E		Pri.		1			-	1												-				
G CASING RTING		DS. REAMER TYPE		DRILLER	1 (Veve	On &	1											_		NO. OF DAYS_	CINCE 1 44	T LOST TIME ACCIDE		
ON DEDERS 2	NO. DEPLIES OF CONTRACT STANDS D.P. FT.		RECORD	1	NUD RECORD	Teach	1 6	DOTAGE	DR_D				IN BITT	12	WT. ON		PUMP NO.	PUMP	NO. METHOD			TOUR 8:00	The second secon	~
EM TEST		FT. BITHO.	44.00	THE	9:00		FROM	то	- 04.0	CORE HO.	(SH	FORMATIC OW CORE REC	DVERY)	RPA	BIT 1000#	PUMP PRESS LI	HER 1.P.S.		RUN SGLS PAR'EL-P COM'D-C	CREW	SOC. SEC. NO.		A.M	HRS.
			834	_	10.1			3 399			STAND	-1.		41	30	1 1	4 52	ME	COM*0-C	DRILLER	SOL. SEC. NO.		BENSEN:	
	D.C. 3/4	MFG.	V.T.C	WICSEC			2770				TANK			72	100	1000	2 32		-	DRKMAN		h.E. I		8
REFORATING INGUING TRIPS		FT. TYPE	NGIT	W.LC.C.	01					\Box										MTRMAN		J. Gus	11.	8
ASSING	1	NOZZLE HO	3	FLTR. CK.			DEVIATION	N DEP	TH D	EV.	DIRECTION	DEPTH	DEV.	DIREC	TIOH	DEPT	H DE	IV.	DIRECTION	FIREMAN		The		8
ESTING	SYS.	SIZE	1/2	PH			THE	E LOG	ELAPSED TIME		S OF OPERATIONS									FLRMAN		4 . /1 ///		
DOITIONAL S	S STR.	FT. SER. NO.	432.44	CONT. %	SN1 200	1000	FROM	8:15					E AND REMARKS							FLRMAN				
88	RMR.	DEPTH OUT		PRESSURE GRADIENT				10:15	2	1	Asto Ch	Verent C	2. T	34.		L	11/			FLRMAN-				
TIME SUMMARY (OFFICE USE ONLY)	CHEC	PT. DEPTH IN	39/7	ADDUN	e Wares		10:15	12:00	190	7.0	10 C 11	100	400	F. 1711			PARKE		CAPIE	["
K			-	TYPE	G PONTER TY	E AMT.		1:30	1/5	51	mel	100 1	2alle	11- 1.11	vr:	A Party Color	W.SPET	-		1				
PP		FY, TOTAL HR, RUN	-	50% -	20	-	1:30	3:30	7	1	ip il	@ 3	925	,'						1				
/DP		FT, COND. OF BIT	-	+	-	-	3:30	4:00	12	Cu	KOUT	11/12	N Ju	MR 15	OGK.	ET.				1	1			
MDBA	TOTAL 59/5	PT. REAMER NO.		DRILLER	2 2	,	+			_										-				
	HO. DRILLING ASSEABLY		ECDRD	1	BUD RECORD	MEON	1 -	DOTAGE :	1	-							PUMP NO.	PUMP	NOETHOD	NO. OF DAYS_		ST LOST TIME ACCIDE		
	STANDS D. P.	FT: BITHO.	80	TME			FROM	-	DR-D RM-R CORE_C	CORE NO.	(SH)	FORMATIC OW CORE REC	IN OVERY)	ROTAR RPM	Y WT. ON BIT 1800#		HER I.P.L.		S.P.M. RUN S.P.M. SGL S S.P.M. PAR'EL-P COM'D-C	-			P.M/2.00	
		FT. SIZE	77	WEIGHT	4:10	_	3975		CORELC						1000 //	3	IZE TOTAL	SIZE	COMP	CREW	SOC. SEC. NO.	11/0	AME AND	ess.
AY WORK	B.C.	MPG.	6.5	VISCSEC	39	_	13/15								+					DRILLER		13 6	Traw	8
WIRE LINE RECORD	1.0. 0.0.	FT. THE	0.0	W.LC.C.		+		3												MTRMAN		0 9	1 China	8
	D.C.	HE	7.00	FLTR. CK			DEVIATION	M DEP	тн р	ev.	DIRECTION	DEPTH	DEV.	DIREC	TION	DEPT	H DE	EV.	DIRECTION	PIREMAN		1/2 /4	dans	8
HES SIZE		FT. NOZZLE SIZE		PH		1	RECOSO												1000	FLRNAN		19	2 miles	- 8
PPED	BODY O.D.	SER, NO.	wer.	SONT. S	cost in	. Ph	FROM	E COC	TIME	DETAIL	S OF OPERATIONS	IH SEQUENCE	E AND REMARKS		A -					FLRMAN	-+-	1		-
IT OFF	BOOY D.D.	PEPTH OUT		CRADIENT		200	4:00	4:30	1/2	Cin	Potter	Alla	10 44	The Late of the la	96	100 0			-	FLRMAN				-
T LENGTH		DEPTH IN	3.725				4:30	12:00	75	100	Pring -	To see	top	Repo	2.	Meh.	apCs	26	-					1
OR TRIPS		FT. TOTAL FTG.		TYPE	ANT. TH	E AMT.	-			1000	+++++	- Ha	sect is	er je	Landing	and l	1	march	20		1			
TIVE OR TRIPS		TOTAL HR. RUN									-			P		h	211	1-110	3974.5	1				
										+						3/1	the same of	- C	The same of	1	1 1			
DAYS UD TIVE IG HRS.	KELLY DOWN	FT. COND OF BIT									_			1		a	3 100	000	2974.8	اد				1 1

PORM 37-4
TED IN U.S.A. APPROVED







APPROVED

R	DAILY DRILL	ING REPORT	- 1	REP.	ORT NO. 23	DATE	1-18	02		/																	
11-1	0.0	a		101	A 1	19.1h	0 +	11	WELL NO.	FIELD	OR DIST.	_			COUNTY	27	1	+	STATE	-	2	bac	DRILLINGCI	REW PAYROLL DAT	TA		
duboro (us o		RIG NO.	DRILL PIPE TO STRING JO	ICLO V.	J. / for	and the	PUMP	K				sere	MME 1	VT. & GR.		PEST	RKB. TO CSG. HD.	SET AT	-	ŘENARK		DATE VA	lu 18	-190	63	
				STRING SC NO. SIZE	INT 0.D	100		CTURER	-	TYPE &	TROKE I	LAST			77. B OK.	JOINTS		CSG. HD.	24. 2.		HERON	-	1	4 HO Tuden	baracil	A Mad Stil	0.
H AMERICAN DR	Alters (an Iss	7		PE THD.	1 7	latie		-	013	ENGTH	ASING UBING			_					_			WELLTHANK	T Dee	barri	al co	
	ATIVE	SIGRATI	URE OF CONTRAC	LIGHTS TOOL PUSH		1	(00000		1/3	0 15		LINER	4						_				COMPANY_	1 ason	- LO C		
Zho. W.	7					1.							918			7			2 36				TOOL PUSHE				_ RIG MO
E DISTRIBUTION-HOURS	NO.	DRILLING ASS	SEABLY	BITR	ECORD		MUD RE	CORD		POL	TAGE	DR.,O RM. R CORE.,C	CORE NO.	17	FORMATIO	N	RO	TARY BIT	PUMP	PUMP NO.		P NO. METHO	D	MC	RHING TOUR_	12 00 PM 8 0	
MORN DAY EY	4 1	-	192 m.		12	TME	1:30		50	FROM	TO		NO.			40						LP.A. PAPEL	-	SOC. SEC. NO.	_		HRS.
м		SMGLES D.P.	FT.		8/4	WEIGHT	10,1			3888	3913	P		Sand	4 2	me	- 1	10 30	1000	2 206	-		DRILLER	\vdash		Cheveland	
ACTUAL 64 74 9	4 L.	2		MFG.	M.C.	VISCSEC	28					+	-		-			_	+ +	-	-		DRKMAN		70 N	SHNDERS	150
	-1 I"	1.06 69K 3	383 m	TYPE	RAIJ	V.LC.C.					DEPTH		EV.	DIRECTION	DEPTH	DE	v T nu	RECTION	DEP	TH	DEV.	DIRECTION	MTRHAN		w	H Siddall	- 8
ATING 24	-11	1,0. 0.0.	FT.	HOZZLE	2	FLTR. CK.			_	DEVIATION RECORD	3850		0	Dinge Hori	DEI III	- -				-	-		PIREMAN		WEIS	Ly Rhenalit	8
3.59	- i ži	STS. BODY O.D.			38	PH SD.			_	FROM	LOG	ELAPSED TIME	DETAILS	OF OPERATIONS	IN SEQUENCE	AND REMARK	ks		-				FLRMAN				+
ERIC C 10	18	STR. BODY O.D.		SER. NO.	43257	SD. CONT. % PRESSURE GRADIENT			_	12.00	6.30	62	de										FLRMAN				+
P. /2	- 1 5	BOUT O.D.		DEPTH OUT	500.0	GRADIENT	_	-		6.30	275	-24	m										FLRMAN		_	194	+
UNE	1 📙	9185	FT	TOTAL FTG.	3710		ALD & CHEM	CALS ADDED	-	715	7 45	_2		Ope To	57								_		-		+
0 2	11-	81 OR C.B.	Pt.	TOTAL HE RUH	612	TYPE	MAT.	TYPE	AMT.	7 45	8.00	1/4	12	rly				-					- 1		+-		
	11-			COND. OF BIT	612	-					-		-					_									+
	1 -		40 m	_	+								-										-				
CASHS THG	1 1	TTERES 50 23				DRILLER	11 6	level	and					,						-			HO, OF DAYS	SINCE L	AST LOST TIME	E ACCIDENT	
DH C	HO.	- 64			ECORD	1		ECORD		100	OTAGE	T					T	WT. 01	J	PUMP NO.	PU	MP NO. METHO				cor AM NICO	7 04
EN TEST (%)	1 1-	STANDS D.P.	TOUR					1		PROM	10	98.0 84.0 COME.C	CORE NO.	(6)	FORMATIC DW CORE REC	IN DVERY)	R	RPM 1000 S	PUMP		LINER	S.P.M. PARE	CREW	SOC. SEC. NO		HAME	HRS.
7/1	1 -	SHELES D.P.		926	8 3	VEICHT	-			3915	_			5.		1	- /	11 70	_	5/3 57		4	DRILLER			I BINGON	8
	41	D.C.		MFG.	0.0	VISCSEC	_	-	_	3713	211			- Separate		4,,,,		-	1000	23 5	-		DRIGHAN			E. Turney	8
ERFORATINS	- 1 1	1.0. 0.0.	FT.	TYPE	Re15	W.LC.C.	_																MTRMAN			Quelle	8
MINO TRIPS	-I Г	D.C. 2		NC.	3	FLTR. CK.		1.3		DEVIATION	DEPTI		NEV.	DIRECTION	DEPTH	DE	ev. Di	RECTION	Der	THE .	DEV.	DIRECTION	FIREMAN		J.	Longer	8
ABBING	\$ 15	16 Ma 3	383 FT.	MOZZLE	53	PH				RECORD	LOG	ELAPSED		7 0	Jan-				_				FLRMAN		7.7		
ESTING DOTTIONAL	15	STS. 900Y O.D.	FT.	SER. HO.	42757 4244	CONT. %					10		DETAILS	OF OPERATIONS	IN SEQUENCE	E AND REHAF	ex s	ENGE	i. 10	WECKI	116	,	FLRMAN				
181	1°⊩	STB. BODY O.D. RMR.	PT.	DEPTH OUT	39.17	PRESSURE GRADIENT		1			8:45	1/20	1	THE SE	-			× .					FLRMAN-				
THE SURFACE OF CO. TO	1 ⊢	\$UB\$ 0.0.	PT.	DEPTH IN	3210 3917					In the	10:15	12	T	13	130	-07/	- 00	7	e 41.	- 6		,,,,2.					
		BIT OR C.B.	FT.	TOTAL FTG.	707	TYPE	AMT.	TYPE	AMT.	11:20	1:30	2	10/	w W	5 CM	115	1.5	2/0.	es es es	Cul	we I	1			-		\perp
			FT.	TOTAL HR. RUN	11/2		1	11		1.20	3:15	134	11	F. m 2.2		-							1	\perp			\perp
		KELLY DOWN	FT.	COND. OF SIT	Locas	-	-	1		3:15	21.2	, ,	1	CHED.	P	061	Lours	: 77	Tree	CH!	Leek) sheet					\rightarrow
100Y /	1 -	TOTAL 3	7//	REAMER NO.		-		-		0	4:00	14	We	ANINE	out	12,	450	16,1	-:	-	/	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					للسلا
	-	DRILLING ASS	-0	REAMER TYPE		DRILLER		ECORD .	4		STAGE	-	120	4000	V. Tree	15/	100	41,00	Lan.	-	D	MP NO. METHO	NO. OF DAYS	SINCE			-
	NO.	AT END OF	TOUR		RECORD	-	_				_	DR-D RM-R CORE_C	CORE NO.	ge.	FORMATION CORE MED	ONE COVERNO	R	RPM BIT	PUMP PRESS	LINES S.P.	_	RUN		,		4:00 04/3:00	
	+		572 m	BIT NO.	/3	TIME		10:00		39/7	3946	_	-				-	10007	_	HEE		S.P.M. COM'D		SOC. SEC. N		NAME	HRS.
	11	D.C.	FT.	WZE	8 Av	WEIGHT	11.2		_	37//	3740	+					- +	10 30	1000	55 60	c	3	DRILLER		H.	De Grane	8
WIRE LINE RECORD	- 15	1.0. 0.0.	383 FT.	MFE.	NIC	VISCSEC				-											+		DRKMAH		P	Jullan	8
		D.C.	- · · · · ·	TIPE	6315	W.LC.C.	- 4	too.	_	DEVIATION	DEPTI	H 1	DEV.	DIRECTION	DEPTH	DE	EV. D	HRECTION	DE	тн	DEV.	DIRECTION	FIREMAN		4	4 fulland	8
	1 5	I.D. 0,D.	FT.	HOZZLE	E 46	PH PH	1.7	8.4		RECORD	-												FARMAN	-	-	Timere	Y
PPED SIZE /		STR. 0.D. STR. 0.D.	FT.	SER. NO.		SONT, N				FROM		ELAPSED TIME		OF OPERATION	IN SEQUENC	E AND REMAI	RES						FLRHAM				_
IT OFF	1 ∄	BOOY O.D.	PT.	DEPTH OUT	4/644	PRESSURE	_		-	4:00	4:10	10	1000	A Rig	Re	P					_		FLRMAN		- 1		
LEHETH	11	BUR. BODY O.D. SUBS OR	PT.	DEPTH IN	1000		-			7"	11:10	71.		7									-	11	-		\top
OR TRIPS	1 ⊢	9.84	FI.	TOTAL FTG.	1717	TVEZ	MUD & CHEM	TYPE	1	11:10	11-20		1 20 20 20		enn												
TIVE OR TRPS	1 1	MT OF C.B.	FT.	TOTAL HR. RUN		Vice	A to B.	1172	-	11.20	13:00	200	De	7		-							-		4		
	1 ⊩	KELLY DOWN	FT.	*COHD. OF BIT		V																-					
DAYS NID TIME NG MRS.		KELLT DOWN	F 1.1								100																

PRINTED IN U.S.A. APPROVED APPROVED







	11 0			LEASE	0 4 16		-1	WELL NO.	FIELD	OR DIST.			COUNTY	2.7	colet	57.	ATE	4	-	DRILLING CI	REW PAYROLL DATA			
duboro (a	X C	<u> </u>	RIG NO.	DRILL PIPE STRING	TOOL	Mouses	/ /	PUMPS			SIZE	MAKE	WT. S. GR.	NO.		TO SET A	T	REMA	elec.	DATE V	Ly 17	1163	- Nº	8
H AMERICAN DRIL			x 4	HO. SIZE		NO.	MANUFACTUR		TYPE	TROKE LA	ST			JOINTS	256.	ID.				WELL HAME	ANO. Ladaba	no Aller	1 11/14:	0
E OF OPERATOR'S REPRESENTAT	IVE	sic	SHATURE OF CONTR		TYPE THD. HER	1. 77	tiona	1 /	5013	1/2 TUE	IING									COMPANY_	Tuenbo	no Out to		
Zh. 20 -	21					2 (ORL	92	6		7	-1	234				TOOL PUSHI	ER		RV	IG NO
DISTRIBUTION HOURS	H0.	DRILLING	G ASSEMBLY	BIT	RECORD		AUD RECORD		FO	OTAGE	DR.,D CORE		FORMATI	DH.	POTABY	PUM BIT 1008#	PUMP	P NO. P	PUMP NO. METHO		MORN	ING TOUR 12 00 P	M 8 00 A	LM
MORN DAY EVE			3432 FT.	BIT NO.	12	TME	300		FROM	TO	RM. R COREC		(SHOW CORE RE	COVERY)		1008# PRE	SIZE	S,P,H, LIM	UMP NO. METHO RUN ER S.P.M. PAR. EL- CONTR.	CREW	SOC. SEC. NO.	NAME		HRS.
N		SINGLES D.P.	PT,	SZE	824	WEIGHT	1.9		3811	3835	0	Lim	H Y .	Sun d	10.	30 10	(0 5 L	16		DRILLER		AChEVE	LAND	8
ACTUAL 74 6 4		9.D. O.D.		MFG.	1150.	VISCSEC	38		-			-			-	_	-			DRKMAN		Tom SAN	1111	8
	15	1.D. Q.D. D.C.	383 FT.	TYPE	RIS	W.LC.C.			DEVIATION	DEPTH	DEV.	DIRECTION	DEPT	H DE	V. DIRECTIO	, 1	DEPTH	DEY.	DIRECTION	MTRHAN		WELLY /71	1 CALL	6
IG MUD 1/2		I.D. O.D.	FT.	HOZZLE	. 5	FL TR. CK.	_		RECORD		-	1 14								FIREMAN		WELLY 110	E/14/4/	0
ng 1/4 1/4	2	STB.	PT.		E Hy	SD. JANA / CONT. %	du sell	-	FROM	TO E	TIME DETA	ILS OF OPERAT	IONS IN SEQUENC	E AND REMARK	cs .					FLEMAN				
RVEY /4 /4	N N	STB. BODY O.D. RMR.	£1.	SER, NO, DEPTH OUT	13157	PRESSURE GRADIENT	2000					lity.			, , , ,					FLRMAN			-	_
1/4	9	RMR. BODY O.D. SUBS	PT.	DEPTH IN	3710	GRADIENT			4.30				1 4 24	1.1 - (6)	hast M	14 . (OF H.					745		\neg
. 7		0.0	PT.	TOTAL FTG.	13/10	TVPE	D & CHEMICALS	ADDED TYPE AMT.	5 15	800	2 14 1	Criy.												
134	-	BIT OR C.B.	FT.	TOTAL HR. RUN	383	Sult	25		1										79-0-0-0					
		KELLY DOWN	10 FT.	COND, OF BIT		Stall	10																	
INC.		TOTAL	3835 FT.	REAMER NO.								1								-				1
ISING IG	WT. OF	STRING (2)		REAMER TYPE		DRILLER	Cleve	chand				,		-					Lurran	NO. OF DAYS.		T LOST TIME ACCIDENT		
TEST	NO.	DRILLIN AT EN	IG ASSEMBLY BO OF TOUR	BI	RECORD		MUD RECOR	tD		OTAGE	DR_D CORE	y	FORMAT (SHOW CORE RE		11/2 ROTARY	BIT PRI			PUMP NO. METHO RUN SCL-3 ZE S.P.M. PAR EL COM'D-				# H:00	
		STANDS D.P.	346 2 M.		117		100		FROM	TO TO						_	SIZE		TE S.P.M. PAR'EL COM'D.		SOC. SEC. HO.	HAME		HRS.
	-	SINGLES D.P.	PT.	SIZE	814	_	1150		3835	38.56	P	her	w : 5	pup	40	30 10	5/2	56	+	DRILLER				8
gates .	12	4./400	202 0	MFG.	14.7.0	VISCSEC				-										MTRNAN		J. Guelle	445	8
TRIPS	1	D,C.	383 H		10. Z	FLTR. CK.			DEVIATION	DEPTH	DEY.	DIRECTIO	DEPT	H DE	V. DIRECTE	ON .	DEPTH	DEV.	DIRECTION	FIREMAN				8
HG		LO. O.D.	FT.	HOZZLE	ze 3/4	PH	233			1			,							FLRMAN). I. AMOR		
ic .	7	STB. BODY O.D.	FT.	SER. NO.	43257		17	con PPM	FROM	10	TIME DET		TIONS IN SEQUEN	CE AND REMAR	rks				_	FLRMAN /				
ONAL S S	4	STB. BODT O.D. RMR.	FT	DEPTH OUT	13237	PRESSURE GRADIENT			8:00	9:15	14	seeffer.	205.11	7. T		(11	-	IRr	PE ANON	FLRMAN-				
TIME SUMMARY		SUBS C.P.	FT.	DEPTH IN	3710				9:45	11:10 1	3/1 7	Julle V	concer i	and the	1/100 17	110	-15	N. D.C.	7					\vdash
PPEE USE UNLY)		BIT OR C.B.	FT.	TOTAL FTG.			AMT.	TYPE AMT.	11:00	12:45	3/4 /	180:11	Secure.	an D	CON MAN	225 /	LNE	ç:						
			FT.	TOTAL HR. RUN		10/5	300A		12:45	3:30 2	14 1	Mellen	- i Co	VENTIEN	UNG The	5;				1				-
		KELLY DOWN	// PT.			-	-		3:30	3:45	4 6	1 + Can	J-10-											
		TOTAL STRING ST	Shall PT.		+	DRILLER	11000		3:45	9.00	7 72	rig.								HO, OF DAY	SINCE LA	AST LOST TIME ACCIDENT		
-	но.	DRILLIN	G ASSEMBLY	100000	RECORD	1	AUD RECOR		F	DOTAGE	DR-D CORE	1	FORMAT	TION	POTABY	WT. ON CO.	PU	MP NO.	PUMP NO. METHO			NING TOUR!	uls re	P.M.
		STANDS D.P.	340- FT	BIT NO.	12.	TME	4:30 10		FROM	то	RM-R CORE		(SHOW CORE R	ECOVERY)	RPM	MT. OH PU	ESS LINER	S,P,M, LI	INER S.P.M. PAR'EL COM'D	CREW	SOC. SEC. NO.	HAME		HRS.
		SINGLES D.P.		SIZE	92.		10 10		3856	3888	D	Sand	Line		40	20 10	8 54	26		DRILLER		14 100 1	rand	30
ORK	10	D.C. 2		MFG.	MIL	VISCSEC	40 2	4	_				,			-		-		DRKMAN		of Ouske	in	9
LINE RECORD	1	I.D. O.D.	383 FT.	TYPE	ROIT	W.LC.C.	1000 9	611		-			. 1		v. DIRECTI		DEPTH	DEV.	DIRECTION	MTRMAN				8
				NOZZLE	HO. 3	FLTR, CK			RECORD	DEPTH	DEV.	DIRECTIO	DEP	TH DE	Y. DIRECTI	*	GETIN	DEV.	pike. non	FIREMAN		I Lear	ine	à
SIZE/	5	i.D. 0.D. STB, BODY 0.D.	FT.		ize 34	PN			FROM	TO I	ELAPSED DET	ALS OF OPER	TIONS IN SEQUE	ICE AND REMAI	RKS					FLRMAN	+ +			
D	7	STR. O.D.	PT.		93757	Shirt. S.	34	curo PPM	4:00	11:00	2 2	Cay								FLRMAN				
19	ă _	RMR. BODY O.D.	PT.	DEPTH OUT	1, 17,	FRESSURE GRADIENT			1100	11:15	My 1	day 18	× 160							_				
ENGTH TRIPS CUT			PT.	TOTAL FTG.	2710		ID & CHEMICALS	ADDED TYPE AMT.	1115	12:00	31 D	My V									40 .			
E TRIPS	-	BIT OR C.B.	- FT	TOTAL HR. RUN	54%	TYPE	AMT.	TYPE AMT.	1-	-									24	- -		4		
rs)		KELLY DOWN	/ / PT.	COND. OF BIT	- / /	+									- 1				- 30					
YE HRS.		TOTAL	35 8 V PT.				1/10	2			11											1		
	WY OF	STRING	LRS	REAMER TYPE		DRILLER	18 /1/8	Many			7.									NO. OF DAY	SINCE LA	ST LOST TIME ACCIDENT		

Juboro al	en .		7 1 6 4	.081	boolet	F 1	WELL NO.	. FIELS	OR DIST.		-	-	COUNTY	72	eo-te	1	STATE	-	Zuele	DRILLING	CREW PAYROLL DAT	'A		
ACTOR		RIG NO.	DRILL PIPE T	TOOL	D.D.		IMPS				SIZE	MAKE	WT. & GR.	NO.		RKB. TO CSG. HD.	SET AT		MARKS	DATE VA	My 16	1963	- NO	0
TH AMERICAN DRIL		WY 4	HO, SIZE	TYPE THD.	HO.	MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING			-	JUNIS		CSG. NO.	4 1	-		WELL NAM	a woladul	oro (I & specietti	/ 14:	8
URE OF OPERATOR'S REPRESENTAT	IVE	SIGNATURE OF CONTR			1 1/	Land	1	1013	17	TUBING OR LINER										COMPANY	Tadubo	is Cent co	_	
The 70	76				1					THEK	91	4		2			136			TOOL PUS	ER		RIG N	ND
IME DISTRIBUTION-HOURS	NO. DRILL	ING ASSEMBLY	BIT R	RECORD	•	MUD RECORD		FC	OOTAGE	DR	CORE		FORMATIO	N .	ROT	TARY SIT	PUMP PRESS LIM	UMP NO.	PUMP NO. MET	HOD	MO	RNING TOUR 12 00 P.M.	8 00 AM	
MORN DAY EVE	STANDS D.P.			12	TIME	4 00		FROM	то	CORE.	,c 140.	(5				_	- 712	E S.P.H.	SIZE S.P.M. PAR	CREW	SOC. SEC. NO.			IRS.
S ORN	SINGLES D.P. D.C.	FT.	SIZE	84	MEIGHT	0-		3747	1376	3 0	-	June	¥ 50	nd.	4	10.30	10000	2 56	-	DRILLER		A ChEVEL		8
G ACTUAL 63 7% 7/	15 (KD. 14) O.1	383 FT.	MFG.	14.TC	VISCSEC	38		-	-	-	+			-	-			+		DRKMAN		TOM SAND	e 35 5	8
IONING MUD	B.C.		NO.	. (5/J	FLTR. CK.			DEVIATION	DEPT	ги	DEV.	DIRECTION	DEPTH	DE	V. DIR	RECTION	DEPTH	DEV.	DIRECTION	MTRMAN	-++	W=11.5, Va	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 5-
/ /	i.D. 0,t). FT.	NOZZLE SIZ		PH			RECORD												FLRMAN		WELLY RhEA	41 8	5
TE RIG 1/4	SYS. SODY O.E STB. SODY Q.E RMR.	, FT.		-	CONT.	91:00		FROM	TO	ELAPSED TIME		LS OF OPERATIO	IS IN SEQUENCE	AND REMARK	C\$					FLRMAN				-
N SURVEY	BODY Q.E	PT.	DEPTH OUT		PRESMAR	2.3		1300	12 15	1/4		isty.	7 -		10.1		-2/			FLENAN				
Р.	SUBS O.S). FT.	DEPTH IN	3710				12 15	5:00	4/2			ung 5	7 4 6 4	- Ch	e cle	/319			- !				\top
UNE	MT OR C.B.	FT.		i.	TYPE	ANT. TYPE	AMT.	6 00	6:00	7.72		1. 4 160.	11 1 501	7- 0	6411	. P.	410 .			-	1 1			
iiG .		FT,	1	18	South	30 %	_		800	2		rly					1							-
	KELLY DOM	-			Julk	1554:		_												- 1				
CASING TING	TOTAL WT. OF STRING	3763 FT.	REAMER NO.	+	DRILLER	201	0 6	-						_			-							
ОН		ING ASSEMBLY		RECORD	1	#UD RECORD	cored	 								_			PILLE NO MET	NO. OF DAY		ST LOST TIME ACCIDENT		-
EM TEST	AT	END OF TOUR			-		_	FROM	OTAGE	DR. EN. CORE.	CORE HO.		FORMATION CORE REC	N <i>13174</i> Overt)	12 0	TARY MT. OF	PUMP PRESS LIN	UMP HO.	PUMP NO. MET RI SIZE SPA SG	UN LS		Y TOUR 8:00 AM.		_
64	STANDS D.P.		BIT NO.	#12		:30		_	_	-		,					W.	E S.P.M.	SIZE SPA CON		SOC. SEC. NO.			RS.
	0.0		MPG.	834	VISCSEC	7.8		3763	3791	D		Arres	F 5.344	6	- 2	10 30	1000 5	2 56		DRILLER		Ben Bur		7
ERFORATING	15 16/10.0	75.7 FT.		HIC.	W.LC.C.	el.		-									'			MTRMAN		J. Ruella	2	3
MASSING	0,C.	9	HOZZLE	0. 3	FLTR. CX.	7/32		DEVIATION	DEP	TH	DEV.	DIRECTION	DEPTH	DEV	V. DIE	RECTION	DEPTH	DEV.	DIRECTION	FIREMAN		J. Lanery	. 6	3
ESTING	E 1,0. 0,0		SIZ	E 3/	PH			THE	Loc	ELAPSED TIME		ILS OF OPERATIO								FLRMAN		J. William		
DOITIONAL	BOOY 0.0	FT.	SER. NO.	1/3757	SD. CONT. %	115-20k	1374	Gree	C 170	TIME	DETAI	C //	WE IN SEGNENC	E AND KEMARI	K.5					FLRMAN				
889	STR. SODY O.D RMR, BODY O.D	FT.	PEPINOUI	-	PRESSURE GRADIENT		-	8.30	9:11	1/4		AMMO .	very 5	. T	- 6	2				FLRMAN.				
TIME SUMMARY (OFFICE USE ONLY)	309S O.D	FT	DEPTH IN	3710	MI	D & CHEMICALS ADDE	b	9:00	4,00	7/2	Z	enter to Parther to	÷ (1)	NAME	come	1/10	9:			_				_
K	BIT OR C.B.	FT.		2.00			AHT.	I	7											_	-		-+	+
DP I	KELLY DOWN	FT,		25	Jak -	58		-			-													+
NDBY	TOTAL	2291 FT.	REAMER NO.		A BOW	WATER	-				-					_			-					-
	WT. OF STRING	LBS.	REAMER TYPE		DRILLER	En B	and .	-												NO. OF DAY	SINCE I	AST LOST TIME ACCIDENT		
		NG ASSEMBLY	BIT	RECORD		NUD RECORD		FI	OTAGE	, S. DR-I	CORE		FORMATIO	ж	RO	DTARY WY. O	PUMP	PUMP HO.	PUMP NO.	THOD	E1	ENING TOUR 4:00 P.M.	12:00 04	
	STANDS D.P.	100	BIT NO.	12	TME /	:00		FROM	TO		CORE HO.	0	SHOW CORE REC	DVERY)		RPM BIT		ER S.P.M.	LIMER S.P.M. SGE SIXE S.P.M. CO	EL-P CREW	SOC. SEC. HO			HRS.
	SHIGLES D.P	. FT.	SIZE	230	MEIGHT (17		3791	38/1			time	+ S.	······································	1/	10 30	1000 5	256	1 12	DRILLER		1 Do 8	hald	8
AY WORK	15 63/1	373 FT.	MFG.	H.T.G		40		-		+	+				-		++	+-	++	DRKMAN		P Barille		8
WIRE LINE RECORD	D.C. 0.8	3 7 3 PT.	TYPE	REIT	W.LC.C.	-		DEVIATION	DEP	DH	DEV.	DIRECTION	ВЕРТИ	DEN	V. DIE	RECTION	DEPTH	DEV.	DIRECTION	MTRNAN		9 1.16	2000	8
INES & SIZE ,	1.0. 0.0		HOZZLE	2	PH PH		-	RECORD												FIREMAN		The France	00 8	8
IPPED INC.	STB. BODY O.D	FT.	SER, NO.	4		10 000	D. I	PROM	TO	ELAPIAD TIME	DETAI	LS OF OPERATIO	NS IN SEQUENC	E AND REMARI	KS		ė.			FLRMAN				-
TOFF	STB. DODY O.D	PT.	DEPTH OUT	43757	PRESSURE GRADIENT	000	N P KN	4:00	6:00	2/1	12	77 (0		1						FLRMAN	1		_	+
T LENGTH	BODY 0,0		DEPTH IN	3710				6,00	12:00	3/4	Tot	A R	1 get	fits.	Con					_				
OR TRIPS AST CUT	BIT OR C.B.	PT.	TOTAL FTG.	3710	TYPE	ANT. TYPE	MT,		12.00	3 74	Mak	9	- //							-	1	-		
TIVE OR TRIPS		FT.	TOTAL HR. RUN	3/2	Soit																			
DAYS PUD TIVE NG HIS.	KELLY DOW							101	0.00				1									1		
	TOTAL	28/1 FT.	REAMER HD.								1										1 1 1	- 2		1.

	ILY DRIL	LING REPORT			PORT NO. 20	DATE	7-15-6	2	٠,١															
TOR	0)		+ o	111		i	WELL NO	. PIELD	OR DIST.		-	COU	NTY -		2	STATE	7	ebec	DRILLING CREW	PAYROLL DATA			
aduboro Oc	V C	45	RIG HO.	DRILL PIPE TO	070 (3/3)	freak		PUMPS				SIZE	MAKE WT. 6	E GR. NO.	PERT	RKB. TO	SET AT		EMARKS	DATE Les	by 15	1963	No	? {
TH AMERICAN DRIL	LING	COMPAN		HO. SIZE		NO.	MANUFACTURER	.	TYPE		LAST			JOINTS		CSG, HD,		8	1.0	WELL HAME & HO	Leduk	000 CJ 4)	med to	1
RE OF OPERATOR'S REPRESENTATI	ME.	Can I	CHATURE OF CONTR	ACTOR'S TOOL PUBLI	YPE THD. ER	1. 7/	ations	1 1	5013	12	TUBING R LINER									COMPANY	odubo	no Oel	Co	
Zla. 20.	-	1				1					C	1X		1			234			TOOL PUSHER				RIG NO
E DISTRIBUTION-HOURS	MO	DRILLIN	G ASSEMBLY	BITR	ECORD		AUD RECORD			OTAGE	RALR	CORE	F(ORMATION ORE RECOVERY)	R07	TARY SIT	PUMP PRESS LI	PUMP NO.	PUMP NO. METHO RUN			HG TOUR		A.M.
MURH DAY EVE	-	STANDS D.P.		SIT NO.	11/2		100	-	2 20 3	37/0	COREC	но.		+ 5444	-	1000#	SI	III LIFAR	SHEE S.P.M. FAR'EL COM'D	DRILLER	SOC. SEC. HO.	17 Ch.		HRS.
ACTUAL 3 & 32 N	+	SINGLES D.P. B.C.	FT.	SIZE MFG.	111C. NTC		10.2	-	2/03	13/10			11115	· 2444						DRILLER			N SERS	8
34	L	1.0. 0.0.	FT.	TYPE	WTR ROLL	V.LC.C.	72													MTRMAN		41-115,	Vashh	8
MING MUD 4 34		D.C.		HOZZLE HO	3 3	FLTR. CK.			DEVIATION	DEPTH	H DE	, DIE	естюн	DEPTH D	EV. DIR	ЕСТЮН	DEPT	d DEV	DIRECTION	FIREMAN		Willia	Khenult	18
41	ğ	LD. O.D. STR. BODY O.D.	FT.	921	111111	PH SO.		245	FROM	LOG	ELAPSED TIME	DETAILS OF	OPERATIONS IN S	EQUENCE AND REMA	exs.					FLRMAN				+-
E RIG	N N	578. 500Y 0.B.	PT.	SEH. NO.	3710	PRESSURE GRADIENT	121,200 1	True.	1200	3:45	334	161								FLRMAN				
P	3	900Y 0.D. 9095	P1.	DEPTH IN	31.393710				3:45	4'00	4	Circ	ulate	it Che	1	13.0	10			1		194		
UNE	\vdash	MTORCA.	FT.	TOTAL FTG.	21	TYPE	ANT. TY	PE ANT.	7 00	0.00	7	ung	6013	Pack up	3 100	C. 1	1 Tota	1						-
16 2			FT.		21 4	-							-	,			_			. 1				+
	I	KELLY DOWN	FT.	COND, OF BIT	-	-	-	-	-	-	-				_	_								
CASING	V7.	TOTAL	LES	REAMER NO.		DELLER	1 Clive	Pand	1			-								NO. OF DAYS	SINCE LAST	LOST TIME ACCIDENT		
ON .	HO	DRILLIN	NG ASSEMBLY	BIT	RECORD		MUD RECORD		PC	CTAGE	08.0	coes	,	CREATION E	J. 7 10	TARY SIT 1000 F	FUNP	PUMP NO.	PUMP NO. METH	0	DAY T	our 8:00	- A.M. 4:00	_Р.м.
EM TEST		STANDS D.P.		817 HO.	412	TIME	2;30		FROM	10	DR_D RA_R COME_C	HO.		CORE RECOVERY)	0/2	2Pm 1980 f			SIZE LPA CONT		SOC. SEC. NO.	HAME		HRS.
		SENGLES D.P.		926	23/4		9.9		3710	3718	0	1	me.	Samo	- 4	10 30	lero 5	1 55		DRIGHAN	+ +-	BEN B	MSCN:	8
ERFORATING	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	262 "	MFG.	MIC	W.LC.C.	40	-	-											MTRNAN		J. Cush	19106	8
UBING TRIPS	P	D.C.	383 "	14	86.11	FLTR. CK.		-	DEVIATION	DEPT	TH DE	V, DI	RECTION	DEPTH D	EV. DIS	RECTION	DEPT	H DE	DIRECTION	FIREMAN		J. have	avy:	8
FASBING		1,0, 0,0,	**	HOZZLE	3/6	PH			RECORD	LOG TO	ELAPSED	*****	CORPATION IN	SEQUENCE AND REM	ars.					FLRHAN		0 /0///0		
ESTRIG BETTIERAL	1	578. 8007 0.0.	- 17	SER. HD.	7.0	CONT. N	211,000	7: 22	2:00	9:00	THE			on wat		w'				FLRMAN	-			+-
884		518. BODY O.D. Bulk. BOOY O.D.	FI	DEPTH OUT		PRESSURE	270,000	7		A	3/4	-	-					14		FLRMAN	-			-
COPPER USE COLVI		5085 0.0.	PI	TOTAL FIG.	3710	ADDA	the state of	Edfs .	9:45	10:30	34	Ben	me ou	PANN O YN HAN 30'7 WINCO ON	C 801	Dong,	-			-1-				
BK .	-	BIT OR C.S.	FT			Sat:	110 200	A	14:30	12:30	2	Mre	Hom	WINCE ON	DAP	v We	WHS /	2000	, –		Motory			
DP /DP		KELLY DOWN	FT				col		12:30	4,00	0	1104	·NO							-				+
MDBY		TOTAL	37/6 "			-		_	-		41									NO. OF DAYS	- Lawer Lie	T LOST TIME ACCIDENT		
	NO.	DRILLE	G ASSEMBLY		RECORD	DRILLER	NUO RECORD	WON	-	DOTAGE								PUMP NO.	PUMP ND. METH	100		die Tour 4,00		D.M.
	1	STANDS D.P.	AD OF YOUR	SIT HO.	10	TME	-100		FROM	10	OR-D RA-R CORE-C	HO.	(SHOW)	CORE RECOVERY)	lec.	RPM BIT	PRESS I		LINER S.P.M. PAR'E SIZE S.P.M. COM'T	CREW	SOC. SEC. NO.	NAM		HRS.
		SHOLES D.P.	5 - F1		834		10		37/8	3744			Line	+ Sand	1	10 30	$\overline{}$	-1 -6		DRILLER		12/ 4)0	Mrsw	9
DAY WORK	1,,	D.C.		MFG.	HC	VISCSEC	42			-					-	-	-	-		DRKMAN		a Doc	ille	8
VIRE LINE RECORD	P	1.D. 6.D.	383 "	TYPE	ROAT	W.LC.C.			DEVIATION	DEP1	DH DI	IV. D	RECTION	DEPTH 1	DEV. DI	RECTION	DEP	TH DE	V. DIRECTION	MTRMAR		10 110	bod	8
b	5	I.D. 0.0.	FI	HOZZLE	3	FLTR, CK		-	RECORD				1							FLRMAN		It the	moles	1
PAED SIZE	5 T	STB. BODY O.D.	ji)		ZE 36	50.		-	FECU	TO TO				SEQUENCE AND REM	ARKS					FLRMAN	++			+
IT OFF	¥ -	578. 0.0.		DEPTH OUT	42257	PRESSURE GRADIENT	Aires P.	- W	4:00	9.20	2 24	Drig	· - 0	00.	0	11	V	-		FLRMAN		1		T
T LENGTH		900Y 0.0. 5085 0.0.	F1	DEPTH IN	3710				9 40	17:00	235	151	ale The	with they to	1-1-00	1.e. u	we A	CELE DEL	1 Estate					
OR THIPS AST OUT		BIT OR C.S.	F	TOTAL FTG.	1	TIPE	ANT. T	IPS ANT	7.40	1	/	1110	7		A.					- !		-		+
OR TRIPS	-			COND, OF BIT	#	+	+	-	-	1		_	-	- 1						-1				+
DATS PUB LITTER HC HES.	-	TOTAL	2 2 4 4	REAMER NO.	1	1	1,5			5								-						1
The Control		OPSTRING D. I	0/44	REAMER TYPE		DELLER /	1/9	N		7		1								HO, OF DAYS	SINCE LAS	T LOST TIME ACCIDENT		

1 1 1/1 1/1 1/1 1	0	REPORT NO. 19	DATE 7-14 63	NO. FIELD ON DAST. COUNTY Micolat STATE Queber DEILLING CREY PAYROLL DATA
cluboro Cla	RIGHO.	DRILL PIPE TOOL STRING JOINT O	PUMPS	100 mg 10
TH AMERICAN DRILL	ING COMPANY	NO. SIZE	NO. MANUFACTURER	THE STROKE LAST
THE OF OPERATOR'S REPRESENTATIVE	E SIGNATURE OF CONTRAC	TYPE THD.	1. Hational /	1508 12 TUBBER COMPANY Tubbero all es
71- 111.	00		2.	OR LIMER 936 YOUL PUSHER NIGHO.
NE DISTRIBUTION CHOURS	NO. DRILLING ASSEMBLY	BIT RECORD	AUD RECORD	POSTAGE PR.D PUNP NO. PUNP NO. PUNP NO. METHOD MORNING TOUR / 2 00 P.M. 2 00 A.M.
MORN DAY EVE		BIT NO. //	TIME 5 30	FOOTAGE PR.D. CORE PORMATION ROTARY BIT RPM 1000 PUMP NO.
	SINGLES D.P. FT.	0.7	WEIGHT 10.1	3639 3658 D Jame 70 30 800 52 Denles AChrochen
ACTUAL 44 7/4 7	a.c.	MPG. MIC.	VISCSEC 4/	DREMAN TON SON & GRS & WIELDS & WAS AS A STREET & STREET
	12 16 19 238 FT.	W //1	WIT-CC	DEVIATION DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION FIREMAN (No.1.1.4)
ING MUD		HOZZLE SIZE SZ	FLTR. CK.	RECORD
RIG // //	5TB. BODY O.D. FT.	SER. HO. 8/29	50. CONT. % 9/3 0 00	THE LOS ELAPSED DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS FROM TO TIME DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS FLEMAN
SURVEY 1/2	3 900Y O.D. FT.	DEPTH OUT	PRESSURE GRADIENT	12:00 19:30 12 Franch O. O. H.
. 14	800Y 0.D. FT.	DEPTH IN 36.39		12:05 2.45 2 Run in Hobis
LINE	BIT OR C.R. FT.	TOTAL FTG.	TYPE ANT. TYPE ANT.	245 345 1 Break C. T.C. KERM + Wash to italian.
	PT.	TOTAL HEL RUN -	1700 Ng Olle	3 45 8 00 4 4 Arly
	KELLY DOWN 39 FT.	COND. OF BIT		0 // 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
ASING NG	TOTAL 3658 PT.	REAMER NO.	DRILLER of Clevel and	De the pripe 3 TRN P - 36.40.77 No POSTECTION TURNING 36.39 - HO. OF DAYS SINCE LAST LOST TIME ACCIDENT
M	HO. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	And the state of t
M YEST	AT END OF TOUR			FROM TO CORE (HOW CORE RECOVERY) // RPM CORE (HOW CORE RECOVERY) // RPM CORE CORE CORE CORE CORE CORE CORE CORE
	V.12.55 D.1.		TIME 9:00	3158 3152 D Lune 71 30 850 55 60 OBILLER BELLOW &
		MFG. UTH	VISCSEC 4//	DEXIMAL LIKE TWOMEN &
IFORATING	12 6. 16. 238 m.	TYPE WTR	W.LC.C. 1800 EC	DESTRICTION DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION
ABBING	I.O. O.B. PT.	NO. 3	FLTR. OX.	DEVIATION RECORD 32.19 8.30 DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION FIREMAN J. LEARNINGLY
STING	STB. BODY O.D. FT.	SIZE 1/14	PH /	THE LOS ELAPSED DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS FROM TO TIME DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS FROM TO TIME
DITIONAL	STB. 30DY 0.0. FT.	SER, NO. 2169	PRESSURE GRADIENT	800 8:15 /4 Dailling:
884	BODY O.D. FT.	DEPTH IN 3439		8:16 9:00 34 Stope I ser: Jet 118: Consus & CINICA FILE:
TIME SUMMARY (OFFICE USE GHLY)	BIT OR C.B. FT.	TOTAL FTG.	TYPE AMY, TYPE AMT.	9:00 1:00 7 Dalling:
	FT.	TOTAL HR. RUN	parent of	
. '			Jan Fra:	
DBY	TOTAL 3/92 FT.		DRILLER 77 77	MO, OF DAYS SINCE LAST LOST TIME ACCIDENT
	NO DRICKING ASSEMBLY	REAMER TYPE BIT RECORD	MUD RECORD	MENAD
	AT END OF TOUR		THE 5:00 11:00	FOOTAGE DR-D RA-R TO CORE. (SHOW CORE RECOVERY) FROM TO CORE. C. CORE. (SHOW CORE RECOVERY) FROM TO CORE. C. C. CORE. C. C. CORE. C. C. CORE. C. C. C. CORE. C.
1 1 1		SIZE 9, 344	#BIGHT 17 2 10 2	36.83 3703 France 70 30 850 54 60 DRILLER H. Do Straw 8
	12 634	MFG. H.T.C.	VISCSEC LI 2 11 2	OREMAN & Carlley 8
Y WORK	I.D. 0.s. 233 FT.	TYPE W-2.8	WLcc. 9450	DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION DIRECTION
The second secon		HO, 3	FLTR. CK	DETATION FIRMAN FRANK
FIRE LINE RECORD	<u> </u>		PH 2 325 MOFF	FREM TO THE DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
MES & SIZE	LD. O.D. FT.	SIZE THE		11100 1100 2 11 00 11
MES & SIZE /	STB.	SER. NO. 8/27	CONT. %	FLEMAN FLEMAN
NES G SIZE J	STB. 0.0. FT. STB. DODY 0.0. FT. RMR. BOOY 0.0. FT.	SER, NO. 8/59 DEPTH OUT	PRESSURE GRADIENT	630 6:45 14 plug Rung + Com
WIRE LINE RECORD MES C SIZE / PPED T OFF LENGTH	578. 578. 578. 5778. 5778. 5779. 578. 5779. 578. 5779. 578. 578. 5797 0.D. FT. 5007 0.D. FT. 5007 0.D. FT. 5008 0.D. FT.	SER. NO. 8/27	PRESSURE GRADIENT	130 6 45 14 Play Group 1000
PPED T OFF LENGTH R TRIPS SUT CUT	STB. 0.0. FT. STB. DODY 0.0. FT. RMR. BOOY 0.0. FT.	SER, NO. 91-7 DEPTH OUT DEPTH IM 3639		630 6:45 14 plug Rung + Com
WIRE LINE RECORD MES C SIZE / PPED T OFF LENGTH	578. 578. 578. 5778. 5778. 5779. 578. 5779. 578. 5779. 578. 578. 5797 0.D. FT. 5007 0.D. FT. 5007 0.D. FT. 5008 0.D. FT.	SER. NO. 81-7 DEPTH OUT DEPTH IN 36.39 TOTAL FTG.	PRESSURE GRADIENT	630 6:45 14 plug Rung + con

D	LY DRILLING REPORT	LEASE	PORT NO. / 8	DATE	1-13-6	3																
	l eo	Tadub	oro CI	& speak	MAI	ABIT HE	, FIELD	OR DIST.			COUNTY	14	rolei	7	STATE	1	rebec	DRILLING CE	EW PAYROLL DATA	A		
ORTH AMERICAN DRIL	RIG. CO. CO. CO. CO. CO. CO. CO. CO. CO. CO	STRING	TOOL POINT	0.0.		PUMPS			926	MAKE	WT. & GR.	HD. JOHETS	PERT S	KB. TO SG. ND.	RET AT		DIURES	DATE A	ly 13	1963	Nº	89
som totang place	ers Can Led		TYPE THD.	H0.	MANUFACTURE			TROCE LAS	16			2111111				7 -		WELL HAME	No holube	ro (IN Micold #	/	0.
ATURE OF OPERATOR'S REPRESENTAT	WE SIGNATURE OF	CONTRACTOR'S TOOL PUS	4ER	2	fational	/	508	12 TUBI	ER									COMPANY_	Ladis	for that es		
Theo W.	Zik _			1					978			7		-	236			TOOL PUSHE			RIG NO.	
TIME DISTRIBUTION-HOURS	HD. DRILLING ASSEMBLY		RECORD	_	AUD RECORD			OTAGE	SE. S COST		FORMATI	ON	NOTA RP	NT. DE	PERSON LA	PUMP HO.	PUMP HO. METH HU LINES LP.A. 1501 1028 CP.A. 1531 1028 CONT	DD		HING TOUR 1200 PM 8		
MORN DAT EVE	STANDS D.P. 332	/ FT. BIT HO.	10	TIME	1:00 5		3570	10	D	1			-	1900.4	1111	15.4	SIZE COM		SOC. SEC. NO.	4 4 1	HRS.	-
ING ACTUAL 6 6%55	D.C.	MEG.	8 14		36 38		22/0	3211	D	Jane	-						-	DRILLER		A ChEVELA		_
AING	12 6 1 238	FT. TYPE	Let	V.LC.C.	34 97	-												MTRMAN		WEH SINGE	RS 8	
PITIONING HUD 2 1%			0. 3	FLTR. CK.			DEVIATION	DEPTH	DEV.	ривестном	DEPT	W DE	W. DIED	HOIT	DEPTI	H DEN	DIRECTION	FIREMAN		WELLY Phen	1118	-
12	ED. 0,0.	FT. HÖZZLE SIZ	7.50	PH				LOG EL	IPSED DETAIL		1							FLRMAN		WATE 11 11 11 11 11 11 11 11 11 11 11 11 11	447	\top
CATE RIG - 1/4 4	MOOT O.D.	FT. SER, HO.	82215	CON Y. X	XX 150 185	600	12'00	TO T	100	S OF OPERATIO	DNS IN SEQUENC	E AND REMAR	KS					FLRMAN				\top
LO.P.	BODY O.D.	DEP TH OUT	1	PRESSURE GRADIENT	البردوم						1146						1	FLRMAN				
NG LIME	SUES O.D.	FT. DEPTH IN	35/5	- 4	JO & CHEMICALS A	LDDED		645 3	34 0	la										1664		
RIG	MTOR CA.	FT. TOTAL FTG.	15%	TYPE	AMT. T	YPE ANT.		745			15-1	VI,x/	Mud,					1				+
	EELLY DOWN 4/D	FT. COND. OF BIT	122	Cartlet	25	-	7.15	800	by 1	erly								- 1				+
INE NG	тоты. 3599	F1.		Jaco	20			-										- :				-
NG CASING ENTING	VT. OF STREET	LES. REAMER TYPE		DRILLER	Clare	Sand			- 5									HO. OF DAYS_	SINCE LA	ST LOST TIME ACCIDENT		
G ON	NO. DRILLING ASSEMBLY	Y BIT	RECORD	T	AUD RECORD		FO	OTAGE	DE.D CORE		FORUAT	ION 13	5111	WT. OH		PUMP HO.	PUMP NO. METH	OD		TOUR CO'CO A.M.	11.007.00	
TEST MET	STANDS D.P.	FT. SIT HO.	WK.	TIME	2:00 33	00	FROM	TO	RM_R HG.	-	(SHOW CORE RE	COVERY)	RP	RY 81T 1000#	PUMP PRESS LIE	ZE SP.M.	LINER S.P.M. PAR	CREW	SOC. SEC. NO.	HANE	HRS.	8.
	SHOLES O.P.	FT. MZE	874		10,2 10		3599	3621		1,00	· ·		71	31				DRILLER	1	BIN GIN	CIN C	-
PERFORATING	1.36	MFG.	Jane	VISCSEC	36 40	,			3.0									DRÍMAN		I.F. THOSE	US 8	
TUBING TRIPS	12 1.6 200 238	FT. TYPE	0. 1.4	W.LC,C,			DEVIATION	DEPTH	DEV.	DIRECTION	DEPT	H 06	v. Dist	спри	DEPT	e Dev	DIRECTION	- HTRMAN		J. Cerlley	8	5
SWARBING .	u 1.0. 0.0.			PLTR. CK.		-	RECORD								-			FIREMAN		I hours	V 8	2
TESTING	578. 800Y 0.D.	FT. SER. NO.	1/16	SO. CONT. S	91	0000	FROM	LOS ELA	PSED DETAIL	LS OF OPERATE	IONS IN SEQUEN	CE AND BEMAI	905			-		FLRMAN FLRMAN	1			+
ADDITIONAL 8 8	STR. SCOT O.D.	PT. DEPTH OUT	\$ 2246	PRESSURE	187,500	n lisa.	811	11:15 3,	14 Z	aller.	a: (1.	much	cole	VI	may 1	Verene	145055	FLEMAN.	\rightarrow			+
TIME SUMMARY	SUBS D.D.	PT. DEPTH IN	3515	Suls	PONT 210	1.500 2	11.75	11:30	9 10	up s	MILA	HEPM	$\varphi:G_{i}$	400	5 ,	CARCIE	no:	- :				+
ORK	SIT OR C.B.	FT. TOTAL FTG.	23.4	TIPE	D & CHEMICALS A	DOED AAT.	12:15	12:10	100	for floor	· ·	****		- 1			Misurs Bo:					\top
K/DP		FT. TOTAL HR. RUN		1000	-		1945	4:00 3	1/1 5	20.11	11011	C-14-4-1-1-1-2		00.								
ro/op	KELLY DOWN	FT. COND. OF SIT		Inho	25	-		-	, ,	,	<i>,</i>							1				
TANDBY	WT. OF STRING 772	FE. REAMER NO.	_	DRILLER 2	Pour Fr	_			-													
	NO. DRILLING ASSEMBLY		RECORD	-	#UD RECORD		FO	OTAGE						1		PIMP HO.	POMP NO. METH	HD, OF DAYS,		AST LOST TIME ACCIDENT		_
	STANDS D.P.	FT. BIT NO.	10	THE			FROM	1	Sta_S COME NO.		FORMATI (SHOW COME RE	(COVERY)	BOTA	BIT 1000-F			LIMER S.P.M. PAR'S	4		ENING TOUR A P.M. A		
	SINGLES D.P.	FT. SIZE	834		100 11	00	3621	3639		7.			7/	30		4 60	SHEE COM	DRILLER	SOC. SEC. NO.	NAME	HRS.	_
L DAY WORK	B.C.	MFG.	Ser to	VISCSEC	- 10	-	-			of telling and			-			1 400		DREMAN		1 10 /12	CY	_
WIRE LINE RECORD	1.b. 0.b.	FT. TYPE	4.11	W.LC.C.														MTRHAN		0 11.66	0 8	-
HO.	_	NOZZLE N	3	FLTR, CK	1		PECOPO	DEPTH	DEV.	онесток	DEPT	# DE	W. 0416	CTION	DEPT	H DEA	DIRECTION	FIREMAN		14 form	1 8	2.
LINES (V SIZE /	I.D. O.D. STB.	112	11/6.	PH	-		FEOM	LOS EL	PIED DETAI	S OF OPPRATI	ONS IN SEQUEN	CE AND REMAI	HCS.					FLRMAN				
	STB. BODY 0.0. STB. BODY 0.0.	FT, SEE, NO.	85.41	99711.2		1. 200 PPA	4:00	6:00	6 D.	(-				_		FLRMAN				\perp
	RMR, BODY O.D.	PT. DEPTH OUT	367	PRESSURE GRADIENT	1 300	caroping	60		90 10	100	in 1	11	Con to	1 11	Als.	/		FLRMAN				+
OUT OFF	BODY U.U.	DEPTH IN	35/5		MT. T	2000		10 10 3	-	77	-		,			-		1				+
CUT OFF DIT LENGTH	SUBS O.D.	TOTAL PTG.	17.4	The same of the sa			100.00	12	ie tr	01	RIF	. 1	1.0	0.	au	art				1		_
SLPFED OUT OFF DIT LEMOTH 4. OF TRIPS LATIVE LATIVE ACTURES	SUBS O.O. BIT OR C.B.	TOTAL PTG.	2/4	TYPE	AMT. T	IPE ANT.	10:10	4	- Ch	9 100	-	4	0	1-0	-	1						
CUIT OFF INT LORGIN B. OR TRIPS LOST CUIT LAST CUIT LAST CUIT FDAY SOURCE FDAY SOURCE FOR SOURCE FO	0.0.	TOTAL PTG. FT. TOTAL HE. RUM	26%	TYPE	AMT. T		10.10	1	LE UN	10	0	4/	9	10		/		-				Ŧ
OUT OFF HT LENGTH LOS TRIPS LAST CUT ATINE OR TRIPS	BIT OR C.B.	TOTAL PTG.		TYPE	1.6	Tre Mil	10.10		, e Uh	for	-	1/2		-0-		/	-					=

AP

APPROVED

		LEASE			1-11		/																
Suparo 15	2800	Lilute	and he	& march	af ri	, well	HO. FIEL	O OR DEST.				COUNTY	5/.	let	111	TE	2.	ne bee		REW PAYROLL DATA			
TOR	RIG HG.	DESLL PIPE STRING NO. SIZE	TOOL JOINT	0.0.		PUAPS				ses	MAKE	WT. & CO.	NO.		TO SET A	r	RBAA		DATE Ver	Lyet-1	963		10
H AMERICAN DRILL	ING COMPANY 4	HO. 5/26	TYPE THO.	HO.	мания	CTURER	TYPE	STROKE LEMOTH	LAST CASING				Auris	, CM	HO.		1	-	WELL HAME	2 no Fadulo	ono CAG	Acold MI	10.
RE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF COM	TRACTOR'S TOOL PUB		1.17	atro.	cal	1503		TUBING										COMPANY	Tadubo	re Oil	50	
the W. Ti	A			1			-		OS LINES	9/8	-		2		13				TOOL PUSH				
E DISTRIBUTION-HOWES	NO. DRILLING ASSEMBLY	BIT	RECORD		NUD RE	CORD		OCTAGE	04.			FORMATION			77.7	FUMP	HD. P	THE HO. MET			MING TOUR 12	00 P.M 8' 0	
SA3 AYG HOOM	STANDS D.P.	T. S/T HG.	9	THE	3.00	3	FROM	то		COST HO.		PORMATION HOW CORE RECO	WERY	RP4	NT. OH BIT 1800A PER	Sinta Sinta	5.P.M. 5.84	SPA PA	CREW	SOC. SEC. NO.		NAME	HRS.
н	SNOLES O.P.	T. SEE	834	AEICHA	10,2		349	2 351	15 1)	Lune	-							DRILLER		ACL.	EVEHING	8
ACTUAL 10 4 5	10.00	MFG.	MIC.	VISCSEC				-	-			_	,			+	_		DRKMAN		10M 51	THOLKS.	8
HING MUD	8.C.	TI. TIPE	OWIC	W.LC.C.			-	per	79	DEV.	DIRECTION	DEPTH	DEV.	DIRECTO	-	ОЕРТН	DEV.	DIRECTION	MTRMAN		600/-1	SIDDALL	8
13/1/4 3	10. 00.	T. MOZZLE	n 1/4	PLTR. CX.			RECORD			-	MADE INS	-	-	-		ocr in		- STREET	FIREMAN		WELley	PAEAUL	78
E 810	STR. BODY O.D.	T. SER. NO.	3249		1000	150 22M	FROM	T LOG		DETAG	S OF OPERATION	S IN SEQUENCE	AND REMARKS						FLRMAN	-			\rightarrow
SURVEY	800Y O.D.	T. DEPTH OUT	350	PRESSURE	222		1200			A									FLRHAN				-
. 14	SUBS 0.0.	T. DEPTH IN	3434					2.45		4 /	L'h jorg	1200	3,1.	<i>(</i> 1)			.17	e J	FLRMAN		19	May's	-
UHE	NTOSCA.	T. TOTAL FTG.	81	TYPE	MAT.	TYPE M	7 75	800	14	CA	eck '	130,2	(hose	4 C) 2 K	N. A	Person 4	17.1.415	1116	- 1				
	The second second	TOTAL HE. RUN	17							1			Pr -	ATE .	9 9	1146							
	KELLY DOWN	T. COND. OF SIT	2-12																				
ASING HC		T. REAMER NO.		DELLER									_										
		S. REAMER TYPE		DILLER	1611	weland			_	-									NO. OF DAYS	SINCE LAS	ST LOST TIME ACCIO	ENT	
M TEST	NO. DRILLING ASSEMBLY AT END OF FOUR	ВІТ	RECORD		NUD R	ECORD		POOTAGE	OR. Dis.	a cost		FORMATIO	N 131111	10 mm	917 PUN 1001 P	PUAP	NO. P	UMP NO. MET	N .	DAY	TOUR EIL	_ A.M. #27	P.M.
		T. BIT HO.	1110	TIME	1:00	-	FROM	12	_				JAFKI)			MALE		ER S.P.M. PAR E S.P.M. COS		SOC. SEC. NO.	-	HAME	HRS.
	SINGLES D.P.	PT. SIZE	8/4	WEIGHT	11.1		35.75	353	4 0	-	house	1		20	30 88	05%	100		DRILLER		Sen	ZENGEN	8
PORATINS .	10. 00.	TYPE	Corese	WSCSEC			_	1		- 3		-			-	-			DRKMAN		1.6.1	NEMPS	8
SING TRIPS	12 6 Ma 738 3	3 1	0 3	FLTR. CK.	_		DEVIATIO		РТН	DEV.	DIRECTION	DEPTH	DEV.	DIRECTI	OH	DEPTH	DEV.	DIRECTION	FIDEMAN		J.C.		8
3	12 ta ba 238	T. HOZZILE SO	11/4	PH			RECORE												FLRMAN		1. 1.	anney_	7
DITTOMAL 3	BOCY O.D.	SER. HO.	82245		2	" F.	~7 Fecan		TIME	DETAB	SOF OF ERASIO	HS IN SEQUENCE	AND REMARKS	Greene	Com	1 - B	GENS:	,	FLEMAN				_
889	EUR.	DEPTH OUT	700	PREISURE CPADIENT	_	7	9:00	9:00	1	600	eper e	NECH I	11-10	MANCE	only	N Tos	12 12	sept:	FLRMAN-				
THE STANGET OF COLVE	SCOY O.D.	DEPTH IN	35/5				11:30	12:00	12	111	1000	5' 75 5	20000	1923	414	DAI	11/1/8		- j				-
		TOTAL PTG.				TYPE AN	12:00	4:00	4	2	Seell .	5'70 6	CHEIZ	vun	120	5:							
		TOTAL HR. BUH	+	Tool	25					-		-									-		
<u>' </u>		T. REAMER NO.	+	+	+		-	-	-	-									_				-
DEY	11.0151000 74 000 U			DELLER	732.	Beneral		-	-	-									ND. OF DAYS	FINCE	AST LOST TIME ACC	Patrict	-
	HO. DRILLING ASSEMBLY	BIT	RECORD		MUD RI			OUTAGE				FORMATIO			W 44	FUNC	H0. P	UMP NO. MET	100		ENING TOUR 4: C		
		T. BIT HO.	10	THE	100		FROM	10	CORE	CORE NO.	e	HON COME MECO	VERY)	RPA	BIT PRES			EA LP.A. 185	CREW	SOC SEC. NO.	ENING TOUR 7	PA/	P.M.
		T. SEE	930	WEIGHT	,		3534	3590	2		7:				30 55	0 22 0	60	100	DRILLER	100	11/ 9	4	0
F WORK	12 60 200	MFG.	340 0	VISCSEC	13.														DREMAN		2 8	and in	101
IRE LINE RECORD	DE DE	T. TYPE	1.11	WL-CC.				ne per	-		DIRECTION	1	1	DIRECTI					MTEMAN		9 1	at a to	P
	10.00	HOZZLE -	3	PLTR. CE	100		PEVIATIO		0 1	9ev.	DIRECTION	DEPTH	DEV.	DIRECTI	04	DEPTH	DEV.	DIRECTION	FIREMAN		11 1		- 10
es 9 strs/ 2	57B. 800Y Q.D.		te "/	PH NO.	- 7		PREM	E LOC	ELAPSE:	DETAL	S OF OPERATIO	NS IN SEQUENCE	AND REMARKS		-	-	4		FLRWAM				
OFF E	576. 800Y 0.0. 150. 800Y 0.0. 800Y 0.0. 900Y 0.0.		7 - 75	BINT. S		1 1 1 119	4:00	5:00	11	D					,	2			FLENAN		+		-
LENGTH	500Y 0.D.	L. DEPTH OF	12/5	SAMBIT			2,00	7:00	2/	Ble	276	10,0	recent of	-	20	rec.	Step	1.7	PLEME		-		+-
TRIPS	SIT OR C.B.	TOTAL PTG.		Type	AUD & CHEM	CALS ADDED	7.00	11:00	30	Die	* 12								-		-		+
TRIPS		TOTAL HR. RUN		5 366	15	30 16		1200	1/4	D.6	7	mund	2						- 1				+
ys o	KELLY DOWN //	T. COMD. OF BIT		5.24		30	7.7	1		100	7								-				1
IVE																							

841	LY DRILLING REPORT	REPORT NO.	16 DATE 7-11-63)							
ATOR		LEASE	16.								
Mulpro Ol	€0	Taduloro (2)	I throlet + 1	LL NO. FIELD OR DEST.		Theod		2 Duebec	DRILLING CREV PAY	ROLL DATA	
THE AMERICAN INDIES	RIGHO.	DRILL PIPE TOOL STRING JOINT	O.D. PUAPS		SIZE MAKE	NT. & CR. NO. PO	DET RES. TO SET AT	REMARKS		11 1963	Nº
THE OF OPERATOR'S REPRESENTATION	LING COMBANY 4	HO. SIZE TYPE THD.	HO. MAHUFACTURER	TYPE STROKE LAST					VELL HAME & HO, Z	aluboro Of Theolatt	
	SIGNATURE OF CONT	RACTOR'S TOOL PUSHER	1 Hatronal	1503 12 TUBERS					COMPANY Ta.S	Cuboro Oct co	
This W.	at		1		91/8	2	2.36		TOOL PUSHER		RIG NO
THE DISTRIBUTION-HOURS	HD. DRILLING ASSEMBLY AT EMP OF THUR	BIT RECORD	NUO RECORD	FOOTAGE DA	LA CORE	FORMATION GROW CORE RECOVERY)	SPA 1800.0 PREM	PUMP HO. PUMP HO; METHOD RUN LINER LPM LMIR LPM SGLS SGLS SGE WEE CONFIDE		MORNING TOUR 12 00 P.M. 8	OC AM
MORN DAY EVE		. BITHO.	The 1'00	FROM TO COM	LA TO	(SHOW CORE RECOVERY)	1000A PRESS	SEE SPA LINES LPA SGLS SEE SEE SEE CONT.C.	CREW SOC	SEC. NO. NAME	HRS.
ON CA	D.C. PT	. uze 824	WEIGHT	34/6 3434 D	Zim	۵	70 18 900	52 60	DRILLER	A. Chavehan	4/d 8
CACTUM SE 4		TYPE COUNT			+				DRKMAN	Tom SmadeR.	5 8
RATING AUD	B.C.	HO. Z	VL-CC.	DEVIATION DEPTH	DEV. DIRECTION	DEPTH DEV.	DIRECTION	REPTH DEV. DIRECTION	MTRMAN	WEH. Sidda	14 8
4 3	LD. O.D. #1	HOEFILE SIZE 1/4	PH PH	MECOND 3.392	11.				FIREMAN	WELLY RhEA	4478
ATE RIG 1/4	9 STB.	MER. NO. 2657	10 cont. x 2061 0	FROM TO TIME		ONS IN SEQUENCE AND REMARKS			FLRMAN		_
OH SURVEY A	E BOST O.D. FT	DEPTHOUT 2424	PRESERVE	12:00 5 00 5	Arly.				FLRMAN		_
a.p.	SUES C.D. FT	DEPTH # 3574		500 600 1	- Win	Mad			PERMAN	-3000/400-	-
6 UNE	MY OR C.B.	107# FTG //	TIPE MAT, TYPE	6 30 700 4	Bun S.	Capi 1551.					_
06	,	The same of the sa	Sil71ed 15		Circa	4072					
. 0	KELLY DOWN FT	COND. OF BIT		2.30 8.00 4	2011	No 007 0/ 1-1	. 4.			110	
CASING TING	TOTAL P	REAMER NO.				,					
OH B	PT. OF STREET. LEC	REAMER TYPE	OFFILER a Clevilone						NO. OF DAYS	SINCE LAST LOST TIME ACCIDENT	
TEM TEST	NO. CRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	AUD RECORD	FOOTAGE , OR	coes La wa.	FORMATION BITTE	7 SOTART WT. OH PUMP	PUMP HO. PUMP HO. METHOD RUN	-	DAY TOUR MICE AM STI	00-P.M.
		. STHO. 1/ 9	_ THE /:CO	FROM TO con	E-C	(MON COME RECOVERT)		THE LAW THE LAW CAPEL	CREW SOC	SEC. NO. NAME	HRS.
	SINGLES D.P. P.	274		3434 3458 1	hun	?	70 25 84	58 to	DRILLER	TOUR ISENELA	18
ERFORATING	10 1 23 23	Tree Care	VISC-560 34				F 180		DRKHAM	1. K. THERAS	8
URBO 1895	D.C.		R.T. C.	DEVIATION DEPTH	DEV. DIRECTION	DEPTH DEV.	онестон 1	DEPTH DEV. DIRECTION	MTRMAN	J. Curlled	8
F3.8866	LO. G.O. P.		- 0	860089	-				FIREMAN	J. L. DWDRY	8
1237196	STR. BORY G.G. PT	SER. HO. 8249	BANK RONT- PALICAL	FROM TO TIME	DETAILS OF OPERAT	IONS IN SEQUENCE AND REMARKS			FLRMAN		
SETTIONAL 4 8	STD. P.	DEPTHOUT	PRESSURE	8:00 9:15 12	1 Trup	OFT:		4	FLRMAN .		-
TIME SUMMARY		DEPTHIN 222U		9:15 9:80 19	GREANS	CHICK FRG:			1.000		1
	NTORCA P	TOTAL PTC	TYPE ANT. TYPE	7:30 11:15 / 2	1 Experie	@ 3034.					
	P	TOTAL HR. RUM	July 15	## FROM 10 BANK 10 BAN	1 Soull	11:	'				
DP .	KBLLY DOWN PT			700,100	-						
HOEY	10th 3458 11			,							
	HO. DRILLING ASSENDLY	BIT RECORD	NU RECORD	T				1000	NO. OF DAYS.	SINCE LAST LOST TIME ACCIDENT	
	AT \$160 OF TOUR	100		FOOTAGE 00.	-B CORE IND.	FORMATION SHOW CORE RECOVERY)	ROTARY WT. ON PUMP NPM SIT PRESS	PUMP NO. PUMP NO. METHOD SUM	-	EVENING TOUR 4 6 P.M. 12	P.M.
	SHOLES D.P. PT		TME 5:00	3158 21/13	1.			1000 100 1000 100 1000 1000 1000 1000	CREW 500	SEC NO. NAME	HRS.
AT YORE	B.C.	MG. H.C.	viscused 24	- 2777	u.s.		76 25 850	10-100	DRILLER	11, 100 11 00	W 8
VIRE LINE RECORD	LD 00 2 FT	TYPE CIA	MT-CC						DRKMAN	P CA 966 1	. 0
Δ.	1 b.c.	NO.	A.M. CK	DEVIATION DEPTH	отч. оницепон	DEPTH DAY.	DIRECTION	DEPTH DEV. DIRECTION	FIREMAN	y Antond	18
HES SEE!	1,0, 0,0, PT	HOTZLE SEE	met and second	Was THE LOS	16"				FLOWAN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 0
PPED	175, 10007 0.0 FT 570, 0.0. FT		Bier. s.	PROSE TO THE		ONS IN SEQUENCE AND REMARKS			FLRMAN		
IT OFF	Sug.	DEPTH OUT	PRESSURE GRADIENT	7.00	Vision 1	1.0			FLRMAN		
T LENGTH	SURS O.D. PT	DEPTH IN 29 4		9'20 11 10 62	e D	or of Colors					1
OR TRIPS	BIT OR C.B. FT		TYPE ANT. TYPE	WT. 11 11 11 11 3	1	Thin tast at					
ON THIPS		TOTAL HR. BIM // //	30 1 100	11 45 12:00 9		7					
DATS PUB ATIVE HG HES	KELLY DOWN PT		100 5		0						
	TOTAL 12 7/72 Ft	REAUER HO.	The state of the s	1 11 1						1 1	

				LEASE		1					1													
I lung line				Fuller	£			WELL NO. FIE	LD OR DEST.	med	1		COUNTY			57.	ATE .				CREW PAYROLL D	ATA		
RTH AMERICAN DRILL	no	× 10 1 1 1 1	RIG HO.	STRING	TOOL JOHT	0.0.	PUN	PS			sze	HARE	WT. L CR	HD, CONTS	FEET PER CSG.	TO SET A	т	RB	MARES	DATE 1	11/2-11	1/63	N	• {
TURE OF OPERATOR'S ASPRESENTAT	lus	Sen. 22	1 1/4	HO. SIZE	TYPE THO.	1. // /	MANUFACTURES	TYPE		CASHG						-				WELL HANG		7.17	and have	
	-	0	a loss of Contac	ALTON'S TOOL PER		1		150.0		OR LINER				4		+	-			COMPANY_	Legalite.	or fee	-	
ME DISTRIBUTION HOMES	140.	DRILLING	ASSEMBLY	-	RECORD	1	UD RECORD		FOOTAGE		92			7		220	PUAP		PUNP NO. UET	TOOL PUSH			64	_ RIG NO
MORN DAY EVE		STANOS D.P.		SIT HO.	7		OU RECORD	FROM		DIL.O Re. o CORE.O	CORE MG.	150	FORMATION ON COME RECOVE	ERYI	ROTARY	BIT PUM PRE:	LINER SIZE	5.P.M. L	MIR SPA PA	CREW	SOC. SEC.	_	1200 PM 800	HRS.
Sew .		SINGLES D.P.		SZE	8.6	1	./	3200				Shale	+ Line		90	19	S'C	62	100	DRULER	NOC. SEC.		CheveLANO	
ACTUAL # 5/97	6	B.C. (3)	11 1	MEG	H.r.	VISCSEC		236	6 33	23		Time						-	A	DRKMAN		Ton	SANDERS	8
100 MID 4/ 1/4		1.D. 6.D. B.C.	16: 11.	TIPE	0.	ATT-CC				79 .	ev.	ривестон	DEPTH	DEV.	DIRECTO	_	DEPTH	DEV.	DIRECTION	MTRMAN		(U) 201	SANDERS -H SIDDAN	8
2 1		LD. 0.D.	rt.	MOZZLE	1	FLTR, OX.		BECOM	9		1	MADELINA	1011	-	UNDER	-	DEFIN		DIRECTION	FIREMAN		WE	Lby PhEAUL	1.8
RHG 25 2	8	STB. BODY O.D.	FT.	SER. NO.	10021	50. COHT, %	-	FROM	WE LOS		DETAILS	S OF OPERATIONS	IN SEQUENCE AN	NO REMARKS						FLRMAN				-
SURVEY	8	4.0 YOO	PT.	DEPTH OUT	3373	PRESSURE		12:00	-		200	400								FLRMAN				1-1
4	*	MURS CO.D.		DEPTH IN	3256			400	115	14	Ciri	mare	0.4							-			Mileson.	
Use		NT OR C.B.	FT.	TOTAL FTG.	117	TYPE	ANT. TYPE	M. 5:45	7 20	11/2	10	+ Illi	EAN /	PIE										
			PT.	TOTAL MR. RUH	13	-	-	7.30	8.38	54	H	Charles Cont	9 00	4 Stan	de D.P.									
		KELLY DOWN	PT.	COND. OF BIT	+	-			-		-	1	- 13					-		- 1				1
CASING TING		TRING		REAMER NO.	1	DRILLER	Phoela	.0 -	+-	1				-						_				1
04	MQ.	DRILLING			RECORD	1	NUD RECORD		FOOTAGE	100.0	T			200	40	W. OH	PUMP	P 10.	PUMP HO. MEY	HO. OF DAYS		LAST LOST TIME		
1/15 /2 /		STANDS D.P.	PT.	SIT NO.		THE 2	:00	FROM	10	CORE-C	CORE NO.	COM	FORMATION DV CORE RECOVE	em 2"	B MELLEY	64T PER 1000 F PER	LOUER SEE		SHEET LP.M. PAR'	CREW	SOC. SEC.		HAME	HRS.
11.0 /2		SHOLES D.P.	FT.	SIZE	874	-	Z	337	3 339	2 p		Line			20		0 5%			DRILLER	1		BENEFA	
(APERATOR)	9	6 %a		MFG.	ATC	VISCSEC	26	-	0 000	-						2	1.			DRKMAN		1.1	THEIRES	8
MING 1885	14	in an	236 m.	TYPE	OWV	AL-CC		DEVIAD	ber	TH 6	ev.	DIRECTION	DEPTH	DEV.	DIRECTA	-	DEPTH	DEV.	DIRECTION	MTRMAN		J. (Quella.	8
MARING		LR. D.D.	PT.	MOZZLE	0. 3	FLTR. CL.		RECOR	9						-		-	1	- DIKENSION	FIREMAN		J.	LANDAY	8
anst .	2	TR. BOOY 0.0.	PT.	SER. Hd.	1/1/2	St. S. C.	10 - 110	8:00	AE LDG	ELAPSED TIME	DETAIL	S OF OPERATIONS	IN SEQUENCE A	HO REMARES				and the same		FLEMAN FLEMAN	1-1-1			+
88	4	116. 1007 0.0. 1007 0.0.		DEPTH OUT	2157	PRESSURE	010 V. X 20	8:00	8:15	14	GA	HEE E'C	MECH PA	a:			1		IMA SALT	FLRMAN		-		++
THE SEMLEY OFFICE LIS ONLY)		0.0. Wes 0.0.	PT.	DEPTH IN	3523			8:75	9:46	1/2	1/2	7 = 0%	FRI MAR	INS	APP	Wer H	MIK	MIX	WE SAL	-				1
K		RIT OR C.S.	PT.	TOTAL FTG.	75.0	TYPE	MT. TYPE	M. 10:4	5 4:00	5/4	3	2011	WC-3	373	dop 3	Dans	1720	11	p-dp-create	Order to Mr.				
,				TOTAL HR. BUH		80/1	105	- 4.	-		-			-	SHH 1	e week	- W. W.	11 336				4- 3		
100	_	TOTAL		COHOL OF BIT REAMER HO.	+	-				4	-							,			1			
DST	-	THE 15		REALER TYPE		DELLER 7	Zu Ben		-		-				11/2					NO. OF DAY		E LAST LOST TIME	T LOGISTURE	
	HO.	DRILLING A	ASSEMBLY	BIT	RECORD	T	AUD RECORD		FOOTAGE	m-0	COMM		FORMATION	-	*****	17. CH PAR	PIM	P 140.	PUMP HD. MET	ion .		-	L.C. PM/4	P.M.
		STANDS D.P.	150 11	BIT NO.	8	THE /	20	FROM		C065.4	HO.	(58	OM COME MECOAL	ERY)	RPM	64T PRES	S LINES	SPAL S	MER LPA PAR	L-P CREW	SOC. SEC.		HAME	P.M.
	H	SHELES D.P.		MSE	8%	WEIGHT 16	1	3372	24/6			Tool			75	18 82		60		DRILLER		-3/	Fla House	(ger
WIRE LINE RECORD	19	LE 0.0	238	#FG.	H.T.C	WSCSEC	3				-+						+	-		DRKMAN		P	Seille	8
WIRE LINE RECORD		D.C.	7	TYPE	0700	PLTR. CK		DEMATI	Der Der	m c	ev.	ривестном	DEPTH	DEV.	DIRECTI	н	DEPTH	DEV.	DIRECTION	MTRMAN		9	71.11	Q
HES G SIZE/		1.0. 0.0.	FT.	MOTELE	16.	PR CK	-	eccos											1	FIREMAN		77	T.	- 8
PPED .		0.0.	n.	1ER. HO.	2007	Bur. s C	141 1 1110	FACU	TO TO	TIME	DETAIL	S OF OPERATIONS	IN SEQUENCE A	ND REMARES						FLRMAN FLRMAN	1 1	_		+ +
TOPP		HOUT O.D.	PT.	DEPTHOUT		PRESSURE GRADIENT		4,00	630	22	Also	ly n								FLRMAN				+-+
LENCTH TRIPS		UBS O.D.	PT.	DEPTH IM	2273			7:0	12'00	5	Dir	0	CA CON		-					-1 -1			0	
OR TRIPS AST CUT TINE OR TRIPS		NTOR C.B.	PT.	TOTAL PTC.			ANT, TYPE	WY. /			2011	J										,		
AYS	-		2/	COMP. OF BIT	1	SALT						,	- 11											1
		CELLY DOWN	20 1	COMP. OF BIT		S Cal. 1	15		1				1.1								1			
TVE G HPS.		TOTAL 3	4/ 1	REALER HO.					100				13 1 1 1	1						-				







ATOR	AILY DRILLING REPORT	REPORT NO. / 4	DA.					
dulana de	el co	Ladubaro CXS	Theolet 1 VILL 10	PIELD OR DIST.	COUNTY 7/	salet STATE Queleu	DRILLING CREE PAYROLL DATA	
RACTOR	RIG NO.	STRING JOHT 0.	D. PUAPS		SIZE MAKE WT. & GR. JOINTS	FEET RKB. TO SET AT REMARKS	DATE 14 9 1963	Nº 8
THAMERICAN DRI	TING COMPANY	HO. SZE TYPE THO.	NO. MANUFACTURER	TYPE LESCTI CASHS			WELL HAME & NO Laduboro (John Lacolule!	A) Tally and the
	TIVE SIGNATURE OF CONT	RACTOR'S TOOL PUSHER	1 /	TUBING OR LINER			COMPANY Laduboro Oil Es	
TIME DISTRIBUTION-HOURS	NO. DRILLING ASSEMBLY	BIT RECORD	1		9% 7	VT. ON PUMP NO. PUMP NO. METH	TOOL PUSHER	RIG NO
MORN DAY EVE	AT SHIP OF TOUR	BIT RECORD	TIME / 30 / 00 6 30	FROM TO CORE	CORE FURMATION	ROTARY BIT PUMP POSS LINER S.P.M. LINER S.P.M. LINER S.P.M. LINER S.P.M. ACTU	MORNING TOUR 100 P.M. 2	HRS
P & POWN	SINGLES D.P. FT		WEIGHT 10, 2	3196 3244	Shale & Lime	100 12 900 52 65	DRILLER A CLEVE INT	1
HG ACTUAL 73 334 7	1 1.01 May 8/ 17	MFG. MTC	VISCSEC				DRKHAN TON SANDER	5 8
IGNING MUD	1.0 / e V/d/ // F1	TYPE OSC	W.LC.C.	DEVIATION DEPTH	DEV. DIRECTION DEPTH DEV.	DIRECTION DEPTH DEV. DIRECTION	MTRHAN 1021-15, JdA	648
C3	g I,D, O.D. F1	NOZZLE SIZE 1/	PLTR. CK.	RECORD			- FIREMAN Withhy Khena	1418
ATE RIG 14 4 V	STB.	SER. NO. 10097	CONT. 1650 189/ 19000	PROM TO TIME			FLRMAN FLRMAN	
ION SURVEY # 1	2 80DY 0.0. F1	DEPTH OUT	PRESSURE GRADIENT	380 3 15 /2	Cary Chack King		FLRMAN	
C.P.	3 800Y 0.0. F1	DEPTH IN 30/9	MUD & CHEMICALS ADDRESS	345 8:00 4/4			The state of the s	
RIG 🔟	BITORCA. FI		TYPE AMT. TYPE AMT.					
	ERLLY DOWN 2 9 PT	COND. OF BIT	5. st 20	 			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
NE G	TOTAL 22/1/ PT	REAMER NO.	" "					
G CASING NTING G ON T	WT. OF STRING	REAMER TYPE	DRILLER a Cleveland				NO. OF DAYS SINCE LAST LOST TIME ACCIDENT	
TEM TEST	NO. DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	FOOTAGE DR.	CORE FORMATION (MOV CORE RECOVERY)	ROTART WT. DR PUMP NO. PUMP NO. RETHING ROW	DAY TOUR S. C. AM 4	20 P.M.
		BIT NO. 11/ 1/7	TIME 9:00	PROM TO CORE	- (: /	1000	and the same of th	HRS.
	D.C.	MFG. 1/7.0 1/7.0	WEICHT 10.2	3244 3273 0	Duck & first	60 12 850 53 60	DRILLER THE TOTAL OF	2
PERFORATING	t.o. o.o. F1	TYPE PSC PSC	WLCC				MTRMAN J Queller	8
SWABBING	6 18 40 160 23	NO271 6 NO. 3 3	FLTR. CK.	DEVIATION DEPTH	DEV. DIRECTION DEPTH DEV.	DIRECTION DEPTH DEV. DIRECTION	FIREMAN J. LANGES	8
TESTING	STB.	528 1/16 1/K	Sect Jai con	TIME LOS ELAPSES		WASHID 12 TO BOTTON ON TIME:	FLRMAN	1
ADDITIONAL /	118. 8007 0.0.	102.10. 10107 1007,	PRESSURE CRASSIANT	8:00 8:15 Kg	LEWING.		FLRMAN FLRMAN	
TIME SUMMARY	2118. 800Y 0.0. 2MR. 800Y 0.0. 1081	DEPTH M 3/19 325/	6	875 9:00 14	Slope Trat - Great & U	MICK BIG: Jes The	PERMAN	
RK (OFFICE USE ONLY)	BITOR CA.	TOTAL PTG 237	TYPE AMT. TEPS AMT.	9:00 10:30 13	I salled .	D-1108. 8. 22.61.		
/DP	L. The	TOTAL HR. BIM 24/2	Frate: 25	1:20 2:15 3/4	Tollow!	27/1/10, 60 \$2.00		
/oP	TOTAL 2223 FT	COND. OF BIT		2:15 2:45 1	NIG REPAIR		_ : _ _ _ _ _ _	
TANDBY	75/9	REAMER TYPE	DELLER BEN BENGEN	2:45 4:00 /14	LAMING:	Joe Fra. For Stone:	NO. OF DAYS SINCE LAST LOST TIME ACCIDENT	
	NO. DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	POSTAGE 64-	com PORMATION	PINE NO. PINE NO. METH		00 -4
		E BIT HO. 7	THE 5-20	FROM TO COME	4 00 6		CREW SOC. SEC. NO. NAME	HRS.
AY WORK	D.C. / 9	928 @ 3 ₁	VBCHT In. 3	3273 3350	Stale & Time	100 12 850 55 60	DRILLER / Da	8
WIRE LINE RECORD	6 6.0 160 FT	TYPE OSC	VISCSEC 34				DRKMAN Quiller	2 8
0,	D.C.	NO. 3	FLTR. CK	DEVIATION DEPTH	DEV. DIRECTION DEPTH DEV.	DIRECTION DEPTH DEV. DIRECTION	FIREMAN LO My Sarel	8
INES & SIZE/	1.D, 0,8, F1 STB. BODY 0,D, F1	SIZE /	PN	13230	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		FLRMAN	•
IPPED .	STB. DODY O.D. FT	SER, NO. 10022	PRESSURE	4:00 6:00 2	D+(a	3.25	PLRMAN	
UT OFF	RMR.	DEPTH OUT	PRESSURE GRADIENT	6:00 6:30 1/3	Servic Rig Jet Pit	1 Ku style test + Cong.	PLRMAN	7
OR TRIPS	917 OR C.B.	TOTAL PTG.	TYPE ANT TYPE AMT.	6.30 1/ 1/ 4/4	Delg	NAC STATE OF THE S	- - -	150/60
ATIVE OR TRIPS DAYS PUD ATIVE ING HRS.	WI OK 668	TOTAL HE MIN	Salt as	11 30 13 00 1/2	D. C.	5		
PUD ATIVE		*COND. OF SIT	3.0	1 1 1 1 1 1 1 1	THE RESERVE			2.3
ING HRS.		REAMER NO.	DRILLER ///	6 0				1

	ILY DRILLING REPORT	LEASE RE	PORT NO. 🖊	DAT 💆	- 74																		
dutoro (les	f's	1	o CAA	Musle	(+1)	WELL NO.	FIELO	OR DIST.			0	UNTY)/		elet	STATE	1	nele		DRILLING CR	EW PAYROLL DATA			
ACTOR		BIG NO. DRILL PIPE STRING	TOOL OINT	0.0.	Plia	PS	-			SIZE	HAKE WT.	8. GR. HO.	FRE		BETAT		EMARKS		DATE Sea	48	1963		o- o
TH AMERICAN DRII	LING COMPANY	// NO. SIZE	TYPE THD.	MD.	MANUFACTURER	_	TIPE		LAST		-	JOINTS	1	CSG. HD.	1-7	-	- Contraction	77.		in To Such	on CAA	halital	° 8
UNE OF OPERATOR'S REPRESENTAT	THE SIGNATUR	E OF CONTRACTOR'S TOOL PUS		1 7/	tional	1	- de	/2 T	LASING				+			-			COMPANY	Ladubo	ro Cel e	*	
The 20.	-0			1		-		OR OR	LINER	0%		2	+		236								
ME DISTRIBUTION_HOURS	MO. DRILLING ASSEM	ADLY BUT	ECORD	-	AUD RECORD		6/	OUTAGE	DRO	1/6			1-			IMP NO.	PUMP HO.	METHOD	TOOL PUSHE		ING TOUR 12 00	9	RIG NO.
MORM DAY EVE	STANDS D.P.	FT. BIT NO.	1.	TIME	and RECORD		FROM	то	RM. R CORE.,C	COME	(SHOW	ORMATION CORE RECOVERY)		ROTARY BIT	PUMP PRESS LINE	R S.P.N.	LINER S.P.	RUN IGL-1	CREW	SOC. SEC. NO.	ING TOUR AND NAME		HRS.
8. Own	SINGLES D.P.	FT. SIZE	434	WEIGHT			1,10,11	1.0							Sizi		SIZE	COMPLE	DRILLER	SOC. SEC. NO.	A Che		- 4
GACTUAL 457	D.C.	MFG.	NTC.	VISCSEC				1							1	1			DRILLER		TOM SM		8
431	1.0. O.D.	FT. TYPE	osc	W.LC.C.														111	MTRMAN	-	(1) F/ S	ddall	8
DNING MUD			3	FLTR. CK.			DEVIATION	DEPTH	, D	ev,	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV	v. DIR	ECTION	FIREMAN		Walilay	Phine	7 8
134	1.D. O.D. STB. BODY O.D.	FT. HOZZLE		РИ			TIME	LOG	ELAPTES				\perp						FLRMAN		1 1	resm = /m M)	
TE RIG	¥ SYN.	FT. SER. NO.	10007	SD. CONT. %			FROM		1	DETAILS	S OF OPERATIONS IN	EQUENCE AND REM	ARKS	r c10	/ +		14 4	0,01	FLRMAN				2
N SURVEY 3/4 /	S BOOY O.D.	DEPTH OUT		PRESSURE GRADIENT			12.00	300	1	2	EPMING W Shope	75.7 -	121:	28000	1911	8-11	20)	22	FLRMAN		7		
unt	SUBS O.D.	PT. DEPTH IN	30/9	-	AUD & CHEMICALS ADDED		2 00	6:15	24	1 12	- U MINE	-	~	_					-		(SASTR)	Nec -	
IG .	BIT OR C.B.	PT. TOTAL FTG.	-	TYPE	ANT. TYPE	AKT.	213	7.30	24	1820	V Shope	1257- G	2311	0-90)	1249	0'-1.	30)						
		FT. TOTAL HR. RUN	-	_		-	730	8.00	3	Rel	aning			(2755	-110)			1				
	KELLY DOWN	FT. COND. OF BIT	-			-																	\perp
CASHS THIS	TOTAL TT. OF LITERS	PT. REAMER NO.	+ +	DRILLER	100 1	-		-		-						***			-				
H	HO. DRILLING ASSE		RECORD		AUD RECORD	100		DOTAGE										NAT THEOD	HO. OF DAYS	70-2	T LOST TIME ACCIDENT		
EM TEST	AT END OF TOU	IR	KECURD				FROM	TO	PM_B CORE_C	CORE .	(SHOW	ORMATION A	3006	ROTARY BIT	PRESS LINE	UMP HG.	PUMP HO.	Property.	-		TOUR Sicc		
	STANDS D.P.	FT. SIZE	6	TIME	2:30		2/35	2150						1000	SIZ	DA.	SEE LFJ	25762	CSEA	SOC. SEC. HO.	, NAM		HRS.
	D.C.		8.4	VISCSEC	10.1	_	3109	_			Reserve	Fest She	OF.	100 12	940 K	4 10	-		DREMAN	- 1 - 1	Ben B		8
ERFORATING .	3 6.400 81	FT. TYPE	1150	*LL-C.C.	35		37777	2790	10		DANIE	1035		100	800/ 9	- 63			NTRMAN	-1-1-		1105	8
Jalieg TRIPS	D.C.	N	056	FLTR. CK.			DEVIATION	DEPTY		W.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV	r, pre	естюн	FIREMAN		J. Que		8
ABBING ESTING	1.0. O.D.	FT. HOZZLE	E 11/2	PH			RECORD	25.50	PLAPTER	1					l				FLRMAN		J. kom	0.EY	10
DITIONAL	57B. 500Y O.D.	FT. SER. NO.	Ker 7	SD. CONT. %			FROM	10	Time	DETAIL	S OF OPERATIONS IN	SEQUENCE AND REA	AARKS G	ainsi s l	WECK /	36:			FLRMAN				
88	BODY O.D.	DEPTH OUT	~~~	PRESSURE GRADIENT	-				1	15	anoma.							- 0	FLRMAN-				
TIME SLAMKEY (OFFICE USE ONLY)	5007 0.D. 5085 0.D.	PT. PEPTH IN	3019	SAN A	N 160,000 1	Pm		11:30		Bun	allere:	Sec Stop	N 755	ST. ONTE	Erten	· Jecks	mup	DP	1				
	BIT OR C.B.	FT. TOTAL FIG.		TIPE	MI COLOCO	MT.	11.30	2,22	7.2	1	11416.1	EXIME S.	PH-14	VHIIE Z	2001111110								
		FT. TOTAL HR. RUN		Sol	- 25									*									
DP	KELLY DOWN	FT. COND. OF BIT	-		1.	+																	
IDBY	TOTAL 3/4	10	++	DRILLER	-	4	-	-	-	60	Fell up	ON BOTTON	1 A.F.	KR LIKE	rulle								1, 1
	NO. DRILLING ASSEM	IBLY BIT	RECORD	4	SEN BENEV	~	F	DOTAGE		Sim		R.P.M.	2,00		ECT E	P NO.	FUMP NO.	METHOD	NO. OF DAYS		ST LOST TIME ACCIDENT		
	STANDS D.P. 3.6		6	THE	7.00		FROM	10	DR-D RM-R CORE_C	CORE NO.	(31404)	ORNATION CORE RECOVERY)		BOTARY WT. C	PRESS LINE	R CO.	LINER S.P.		1				
	SHOLES D.P.	FT. 928	03.	VEIGHT	10		3146		CORELL	-	81.1	1.	$\overline{}$	100 15	900 5	65	SIZE 33.	Cte/b-c	CREW	50C. SEC. NO.	1// >		HRS.
NY WORK	0 6.6. 634	MPG.	HC.	VISC-SEC	30		21 10	1,70		1	JA 0 10 35	11/11/6		10-12	700 15	63		1-	DRILLER	1-1	H. Do (×416	8
WIRE LINE RECORD	18. 08. S	PT. TYPE	0.6	MT-CC	-/-														MTRMAN		5 H.	16 7-	0
		NOTILE N	2 3	FLTR. CK			DEVIATION		0	ev.	DIRECTION		DEV.	DIRECTION	DEPTH	DEN	r, pie	ECTION	FIREMAN		1 Maria	de de la companya de	0
HES ? HEE/	10. 0.0. 578. 6007 0.0.	90	1/16	PR			TIME	3/20	ELAPSE9		S OF OPERATIONS IN	150 1	3						FLRMAN		-	11111 C.	
PPED	STR. O.D.	PT. SEE, HD.	10007	Bist. x	14:00		4:00	N. 00		D.C.	A SP OF ERATIONS IN	ACCOUNTS AND ED	11000						FLRMAN				
TOFF	E FME, BOOT 0.0.	BEPTH OUT		GRADIENT			1.00		15	8	87	f. + 1	B 7.	An a	- /				FLRMAN				
LENGTH R TRIPS ST CUT	SUBS O.D.	FT. TOTAL PTG.	3019		NO A CHEMICAL S ADVAN			9:30	4	120	- 7		1/4						1				
DYS	SIT OR C.B.	FT. TOTAL HR. BUH	-	TIPE	ANT. TYPE	MT.	9:30	10.00	1/2	A.C.	" Stepe	6 + 031	50 4	Corn									+
TRIPS YS ID IVE 3 HRS.	SELLY COM	PLA		0411	-		10:00	12 0	2	1.0	<u> </u>	40.75							-				+
FIVE	TOTAL TOTAL	FE. COND. OF SIT	-	5.14	1.5	-				0		-							1				+
3 HRS.	TOTAL				1.2																		

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Nubon Q	el co	to be low Cly	Hostet +1/	IO. FIELD OR DIST,	COUNTY	Throtet STATE	Luebu	DRILLING CREW PAYROLL DATA
CTOR	RIG HO.	DRILL PIPE TOOL STRING JOINT	O.D. PUMPS		SIZE MAKE WT. & GR. NO.		REMARKS	DATE July 7 1963
TH AMERICAN DRIL	122 Cun 440	NO. SEEE TYPE THD.	HO. MANUFACTURER	TYPE STROKE LAST CASING			-	WELL ALME & HO. Laderboro C It's speolets 1 No
RE OF OPERATOR'S REPRESENTATI	VE SIGNATURE OF CON	ITRACTOR'S TOOL PUSHER	1. Hational	1508 12 TUBING OR LINER				COMPANY Lidubaro Cal Co
Thes. W.			1.		9/8 2	220		TOOL PUSHER RIG NO.
MORN DAY EYE	NO. DEILLING ASSEMBLY AT END OF TOUR STANDS D.P. 2 -96	BIT RECORD	TIME 6 (24)	FROM TO COME	COME FORMATION (SHOW CORE RECOVER)		PUMP NO. PUMP NO. METHOD RUM S.P.M. LINER S.P.M. SGL-S SIZE S.P.M. PAR'EL-S GW'D-C	MORNING TOUR 1200 P.M. 8 00 AM
WN DAT BYE		FT. SIZE 834	VEIGHT 9 9	2915 3019 0	Shahe + hims	10	SIZE COMPC	DRILLER ACTOR SOC. SEC. HO. MAME HRS.
CACTUAL LO WILL !	D.C.	MFG. Iday	VISCSEC	2770		7 6 0		DRKMAN TOM SANGERS &
HING MUD	15 160 40. 383	FT. TYPE OWV	¥.LC.C.					MTRHAN WELL Siddall 8
ATING		HOZZLE HO. 3	FLTR. CK.	DEVIATION DEPTH	DEV. DIRECTION DEPTH	DEV. DIRECTION DEPTH	DEV. DIRECTION	FIREMAN WELLY RhEAULT &
TE RIG 1/4 1/4	STB.	SIZE // to	PH SD, CONT. %	FROM TO TIME	DETAILS OF OPERATIONS IN SEQUENCE AND	REMARKS		FLRMAN
N SURVEY	STB. BODY O.D.	SER. NO. 281.53 FT. DEPTH OUT 2019	CONT. % PRESSURE GRADIENT	12 00 1.00 1	Bily			FLRMAN
/4	9 800Y 0.0.	DEPTH IN 2633	GRADIENT	1.00 115 /4		, ç		FLEMAN
UNE	0,0,	TOTAL PTG. 396	MUD & CHEMICALS ADDED	615 8 00 1 34	Publing For	B,T		
•		TOTAL HR. RUN 25%		6/3 0 00 / 24	Takking FOR	13/1		
	KELLY DOWN 40	FT. COND. OF BIT						
CASING	TOTAL 2019 P	**	DRILLER CONTRACTOR OF CONTRACT					
H	NO. DRILLING ASSEMBLY	BIT RECORD	a cureana				PULLE NO. DUMP NO. METHOD	NO. OF DAYS SINCE LAST LOST TIME ACCIDENT
M TEST	AT END OF TOUR		AUD RECORD	FROM TO CORE	CORE FORMATION (SHOW CORE RECOVER	ROTARY WT. ON PUMP PRESS LIS	PUMP NO. PUMP NO. METHOD REN LER SEE S.P.M. SHEE S.P.M. PAREL-P	DAY TOUR S.C.C. A.M. S.C.C. P.M. CREW SOC. SEC. NO. HAME HES.
		FT. SIZE 23	WEIGHT CO	3019 3085 D		70 20 20 5		
	n.c	MFG. 417.0"	VISCSEC 27	3017 30 63 0	SEMINA 5 76 1.74E	10 20 800 3	265	DRILLER SEA BENSON & DRIMAN 1. F. THOMPING &
RING TRIPS	15 6 Pas 363'	FT. TYPE DSC	VICC.					MTRIAN J. Creshin &
LEBING	2.100	NO. 3	FLTR. CK.	DEVIATION DEPTH	DEV. DIRECTION DEPTH	DEY. DIRECTION DEPTI	DEV. DIRECTION	FIREMAN J. LANDRY 8
STIMG	1.0, 0,0, STB. BODY 0.D.	SIZE 1//11	PH 17.77.7	THE LOS ELAPSED		REMARKS		FLRMAN
DITIONAL	STB. STB. BODY O.D. RMR.	SER, NO.	PRESSURE GRADIENT	8:00 8:30 1/2	Garnes & HVERY FO	Bar MI ALE S'AMEN	BUP Alley	FLRMAN
1 8 8 8	RMR. BODY O.D.	FT.	1 12	8:30 9:00 /	THISHED TAUP OU.	7;	7,3,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,	FLRMAN-
TIME SUMMARY (OFFICE USE ONLY)	BIT OR C. I.	TOTAL PTG.	MAG E CHEMICAL SADDED	9:00 10:30 /3	How MANGE TO	019'.		
		FT. TOTAL HR. RUN	Salt 20 811	10.30 11:15 1139	WASH & FIFAM TO	Botton . TIGHT M	Lo: 10 Fill up:	
P P	KBLLY DOWN	FT. COND. OF SIT	" 20	11.15 4.10 774	L'AMING.			
DRY	0000	FT. REAMER NO.	YC 545					
	NO. DRILLING ASSEMBLY	BS. REAMER TYPE BIT RECORD	DRILLER TO THE TOTAL OF THE TOT		Former 20,000	W. 70 R.Ca. E.		NO. OF DAYS SINCE LAST LOST TIME ACCIDENT
	AT 190 OF TOUR			FOOTAGE DR-	FORMATION (SHOW CORE RECOVER	Y) ROTARY WT. ON PUMP	PUMP NO. PUMP NO. METHOD RUN NER S.P.M. LINER S.P.M. PAR EL-P CONTO.C	EVENING TOUR 4:00 P.M. 12:00 P.M.
		FT. SIZE 9 34	TIME 5,06	3090 3/09	St. P. Fine	140011 31	ZE SPA SIZE CONTOC	CREW BOC. SEC. NO. NAME HRS.
Y WORK	0.0	MFG. HIC	VISCSEC = C	3070	the state of some	77 76 700 3	365	DRILLER S STATE S
IRE LINE RECORD	15 6 Mar. 383	FT. TYPE	W.LC.C.	2075 2170		100+ NOW 500 5	266	MTRMAN
,		MO. 3	FLTR. CK	DEVIATION DEPTH	DEV. DIRECTION DEPTH	DEV. DIRECTION DEPTI	E DEV. DIRECTION	FIREMAN I A
es & size/	1.D. 0.D. 1	SIZE //	PH	TIME LOG CLAPIES	2 2/00 DETAILS OF OPERATIONS IN SEQUENCE AND	2 +		FLRMAN
PED	440	FT. SER. NO. 1000 7	BORT. % 16000 1811	W'10 5:00 1	D.			FLRMAN
LENGTH	RMR. BODY O.D.	DEPTH OUT	PRESSURE GRADIENT	5:00 8:30 34	top to Set an	X 12-63 Colla	1 Kun Stagetest	FLRMAN
R TRIPS IST CUT	0.00	TOTAL FTG	MUD'& CHEMICALS ADDED	8:30 9:30 1Ra	of 2075-2°	Wanted Neary, No	eleat 2075	
IVE R TRIPS	BIT OR C.B.	TOTAL HR. RUN	TIPE ART, TYPE AR	1015 12:00 13	Carin.			
AYS ID IVE 5 HRS.	KELLY DOWN	FT. COND. OF SIT			Elderday		1	
nve avn	TOTAL	FT. REAMER NO.						

F . 6 20 0 .		11.1	1 10			WELL NO.	FIFLD	OR DEST.			100	UNTY		,									
Luboro Cal e	RIG HO.	DRILL PIPE 1	0 (2/5)		F-1 /	MPS	HELD	VII.				1/2	col	et	STATE		ret	مناست		Ly 6 19			
TH AMERICAN DRILLE	NG COMPANY //	DRILL PIPE 1 STRING J	THIO	NO.	MANUFACTURER	MPS	TYPE 2	1835	LAST	SIZE	MAKE WT.	8. GR. NO.	75	ET RKS. TO CSG. HD.	SET AT	R	REMARKS					Mirolitar / N	16. 8
TURE OF OPERATOR'S REPRESENTATIVE	CIAN I SIGNATURE OF CONT	TRACTOR'S TOOL PUR	TYPE THD.	1. 2/	ational	1	5013	.внотн	CASHG TUBBIG		-	_	+	-		_			WELL HAME	Le Seub	000 15	· O C	
1/ 20	00			1				. 0	R LINER	9%		7			404						STO CI	C. Co	
THE DISTRIBUTION HOURS	NO. GRILLING ASSEABLY	T BIT S	RECORD	+	AUD RECORD		F0	OTAGE	DR.,D					WT. 0	136	INP NO.	BUMP NO	METHOD	TOOL PUSHE			4. 6	RIG HO.
MORN DAY EYE	STANSS D.P. 2326 FT		5	Ties	700		FROM	ТО	RN-R COREC	HO.	(SHOW	ORMATION CORE RECOVERY)	RDTARY SIT	PUMP PRESS LINES	R S.P.M.	LINER S.P	RUN	CREW	SOC. SEC. NO.		DOO PM X	HRS.
& COMMI	SINGLES D.P. F	T. SEE	334	WEIGHT	9.9		2640	273	50	1	Shale	+ Linas		70 20	250 32	64	SIZE	CONTRACT	DRILLER	SOC. SEC. NO.		ChEVERAN	
NG ACTUAL 74786	b.C.	MFG.	MIC.	VISCSEC														1	DRKMAN			SHN JERS	
16	A LA 64 383 M	T. TYPE	OWV	V.LC.C.			-	-		-		1	-		+	1			MTRHAN		wir	1 Siddali	68
DOMING MUD 1/4	LD. O.D. F	T. HOZZLE	3	FL TR. CK.			RECORD	267	5 0	70	ривстон	GEPTH	DEV.	DIRECTION	DEPTH	DEY	Y. DI	RECTION	FIREMAN		WELL	y RhEANL	18
TE RIG 4 1/4	STS. BODY O.D. F	512	E 1/1/4	PH SD. CONT. %			FROM	10	ELAPSED TIME		OF OPERATIONS IN	EQUENCE AND R	EHARKS						FLEMAN				
OH SURVEY &	STR. 800Y 0.0. F	SER. NO.	8153	PRESSURE GRADIENT					5 34		a & Con								FLRMAN				
a.p. 1/4	SUBS		2623	GRADIENT			545	6.30	3/4	Ruy	SurE sho	I-JET	213 -	MIXSHL	TCONN.	Sear	King.		FLEMAN				
LINE	0.0.	TOTAL STO	2623	TIPE	MED & CHEMICAL'S ADDES	D AMT.	6:30	800	13	DoL	9										+		-
6		TOTAL HR. RUN	75		10														-				1
	KELLY DOWN 26 FT	T. COND. OF BIT											-			-					+		
CASING TING	TOTAL 2735 .													•									
TING		L REAMER TYPE		DRILLER	1 Clevel	und													HO. OF DAYS	SINCE LAS	ST LOST TIME AC	CCIDENT	
EM YEST	NO. DRILLING ASSEMBLY AT EMP OF TOWN	BIT	RECORD		NUD RECORD		FO	OTAGE	04.0	CORE		NOTHATION	BITA	5 SOTARY WT. 0	PERSO LIME	MP NO.	PUMP NO			DAY	TOUR 8. Z	C AN 4:00	D P.M.
110		T. BIT HO. 2	5	TIME	8:00		FROM	283				CORE RECOVERY	1		-		SIZE S,P.	M. PAR'EL-P	CREW	SOC. SEC. 140.		HAME	HRS.
		T. SIZE	8%	WEIGHT	9.9		2735	3636	B P	- 5	ZNOR	chuse		70 20	750 5	3 65		-	DRILLER		Berl	BENGEN	8
RFORATING	15 de de 383 .	T. TYPE	MIC	VISCSEC	37			-		-				1	-	-	-	-	DREMAN		her K.	Turnes	8
(800 TRPS .	D.C. 267		0. OWV	FLTR.OL		-	DEVIATION	DEPT	тн Б	ev.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEY	V. DI	RECTION	MTRMAN			Svellen _	8
ASSING 5		T. HOZZLE	1/1/1	PH			BECOMP												FIRMAN		1.11	HNDBY	8
ESTING DITTORAL 3	STB. BODY O.D.	T. SER. H2.	2153	Sier, n	SNA 170,0	-018	FROM		TIME		OF OFERATIONS IN		REMARKS						FLRMAN				1
187	STB. BOOT O.D. P. BML BOOT O.D. P.	T. DEPTH OUT	2.15	PRESSURE GRADIENT	2011 1111	Coping	8:10	9:00	1	I)	allel	-	2		-				FLRMAN-		_		++
TIME SUMMARY	100Y 0.0. F	T. DEPTH IN	2623				9:00	4:30	1.1/2	GAR	allere	VECK VIZ	6: C	lours	JEN B	LP	Alp	K					1
	HT OR C.B.				ANT. TYPE	AMT.	7.00	4,24	UN	1	PHINE		*			-							
				Sul		1													}				
DP .	KELLY DOWN P	T. COMO. OF BIT	+	-	+	-		-									4		1		-		\perp
NDBY	NT. OF LEGISLAND LEGISLAND LEGISLAND LEGISLAND LEGISLAND TO LEGISLAND LEGISL	-	-	DRILLER	En Bu							29							-	11			غلط
	HO DRILLING ASSENBLY		RECORD	-	MUD RECORD	VSCN	FO	DTAGE	OR-D	100		2000	UT 71		FOR S	ium din	THE NO	METHOD	NO. OF DAYS.	SINCE LA	_		
	STANDS D.P. 2 22 P	T. BIT HO.	ArI	THE	F-00		20 FROM		BR-D RM-R COREC	NO.	(SHOW	ORMATION CORE RECOVERY	,	RGYARY WT. G	PRESS LINE	R S.P.H.	LINER CO	SGL. S SGL. S PAR'EL-P CON'D-C	1		HING TOUR 4	00 PM12:00	
	Dina		84	WEIGHT	10 -	-	3848	12.4		18	846 +	time			750 51	160	size	COM-D-C	ORILLER	SOC. SEC. NO.	101	NAME (L) U	HRS.
AY WORK	15 0.6 3 da 2 2 P	MPG.	HIG	VISCSEC	28			1			-	-				2 65			DRKMAN		1/1	Flatterine	8
WIRE LINE RECORD	I.B. da 7	T. TYPE	6300	RL-CC.			_												MTRMAN		1	Miller	0
	10. 00.	MOZZLE HO	3	FLTR. Ct			RECORD	O.C. O.C.			DIRECTION	ОЕРТН	DEV.	DIRECTION	DEPTH	DEV	V. DE	RECTION	FIREMAN		14	Transier.	8
HES (SIZE / Z	178, 9007 0.0. FT	SIZ	1/6	. PH			FROM	2600			OF OPERATIONS IN	SEQUENCE AND E	PENARKS						FLRMAN				
TOPF	BOOT O.D. PT	T. SER. HO.	8153	Bier. s				4:20	2.5	Len	verthe.	Aug	. 1.	12	. 1.16	25. 4	45		FLRMAN				
LEHETH	BODY C.D. PT	DEPTH IN	2622	PRESSURE	10.0	100		6:20	2	9.46	, 1		7.		700	-			FLRMAN		+		
R TRPS		TOTAL FTG.	2023	TYPE	ANT. TYPE	1771	600	2 20	1/3	But	0.5	tex 9	21.	an.	. An	04	-				+		-
AT CAT	BIT OR C.B. FT	T.	-	TYPE	AMT. TYPE	MT.	7.36	12:00	46	West	54 + 12 T	-							1		1		. 1 . 1
TVE		TOTAL HR. RUN		10.11	tan.	1 1					1												
INFE	KELLY DOWN	T.		SAL	3015	+-	-	-											-				

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		LEASE	NO. / 0	DA.																	
L. Sulver (C)	1 40	Libebors	CAA 11	rolet +1	WELL NO.	FIELD OR DIS	ы .			COUNTY	71	olet	STATE	2	9	char	DRILLING C	REW PAYROLL DAT	4		
ACTOR	BIG H		a.p.	PUMP	s			uze	MAKE	WT. & GR.		FEET RES. T	D SET AT		SEMS	rs ·	DATE _	las 5	1963	Nº.	- 81
TH AMERICAN DRILL	HNG COMPANY 4	NO. SIZE	ND.	MANUFACTURER	TYPE	STROKE	CASING		1		JOINTS	500	1.5	189			WELL HAME	& NO. Ladato	oro C & April	f-w, N.	- 0
URE OF OPERATOR'S REPRESENTATI	SIGNATURE OF	CONTRACTOR'S TOOL PUSHER	1.	Hatronal	1501	3 12	TUBERG										COMPANY	Ladul	no cel co		
12.20	-0		1			1	OR LINER	9%			7		231				TOOL PUSH		,	RIG NO.	
INE DISTRIBUTION-HOURS	HO. DRILLING ASSEMBLY	BIT RECO	D I	AUD RECORD	T	FOOTAGE		1		FORMATION		7 .		PUMP NO.	PU	MP NO. METHOD			HING TOUR /2 00 P.M		
HORN DAY EVE		PT. SIT NO.	4 1148	300 630	79	PON	TO CORE	COME	(SH	OW CORE RECOV	VERY)	ROTARY RPM I	F. ON PUMP	LINER S.P.H.	LINES	I.P.M. PAR'EL.F	CREW	SOC. SEC. NO.	HAME	HRS.	
THEN .	SENGLES D.P.		1 WEIG		24	50 2	541 D		Shale	& dien	4.	100	1 800	14 47	7	COM D.C	DRILLER		A Chever		_
SACTURE 6244 14	b.c.	MPG.		-sec	25	4/ 2	57/ 0	\perp		+ Lim		701	5 800	74			DRKMAN		Jan Sand	4 2 7 2 2 3	_
	I.D. O.D.	PT. TEPE O	WY Y	.c.c.				_							_		MTRMAN		WEH Sidd		
ATING by	15 63 an 253	ET MOZZLS		A. CX.	DEVIA			2°	DIRECTION	DEPTH	DEV.	DIRECTION	DEF	TH 6	GEY.	DIRECTION	FIREMAN		Welly Rhe	AULT 8	
1/2/14	15 (a. " op. 3 8 3	NZE NZE	// m			THE LOC	500	4	LS OF OPERATIONS	IN SEQUENCE :	MD BENTON.						FLRMAN				
ERIG A 1/0	E SCOY O.D.	SER, NO. 87	7 CONT	T. S	12	00 /:	-	1	- La	seguence A	THE REMARKS	*****					FLRMAN				\perp
survey 14 //2	9 800Y O.D.	FT. DEPTH OUT	PRES	REST	13		00 3		And P	944.3							FLRMAN				_
uss	SUB1 0.0.	PT. TOTAL PTC.	273	MUD & CHEMICALS ADDRO	20	00 30	0 3	0	rho	.,.							7-				4
6 3 1% 34	NTOR CA.	PT.	1	YPE MAT, TYPE	MT. 50		15 12		Je Show	12:7	- June	ci 814	JATP	13 - N	11.5	5911	-	11			+
	EDLY DOOR (/ A	711			5 %	5 80	00 27	12	rha s	Pani	71	ele.					: 1				+
	TOTAL 1570	PI.		-		_		-			•		-					1			+
CASING THG	PT. OF STREET	LBS. REAMER TYPE	DRE	11 a Clevelan	0		-	_									NO. OF DAYS	SINCE 2.4	ST LOST TIME ACCIDENT		
	HO. DRILLING ASSENBLY		en I	MUD RECORD		POOTAGE	E 84.			-	Bit	# ROTARY Y	. 04	PUMP NO.	Pu	METHOD	NO. OF DATE		TOUR SO A.M	Himm	
EM TEST	STANDS D.P.		4 TME	12		NON I	TO CORE.	CORE NO.	(SH	FORMATION IOW CORE RECO	VERY)	ROTARY T	T. OH PUMP			RUN 3GL-3 PAR'EL-4 CON'D-C	CREW	"SOC. SEC. NO.		HD4	. T
	SINGLES D.P.	-	WEIG		25	21 2	623 D		SHale	a. 1	20		um 8ec		3,22	COMU-L	DRILLER	1	Ben Ben	TIREP.	7.
PCGATIGG	15 8 2 383	. MFG.		-SEC 37		,			Viii.		*		,				DRKMAN		A.K. THEE	200	
BING TRIPS	15 L de 383	ET		-c.c.													MTRMAN		J. Quelle	-	
ASSES DATES		NO.		R. CIK.	DEVI	DORD 7		DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DES	TM D	DEV.	DIFFECTION	FIREMAN		I Lynn		3
ятно	STR. O.D.	SIZE d			1	THELDE	561	_	LS OF OPERATION	S IN SECULENCE	AND DEMARKS		1	-	_		FLRMAN				
OTTORAL	57B.		/50 COM		10. 81				affine :		MID KOMAINS						FLRMAN				
889	578. 500Y O.D. 848, 500Y O.D.		623 PRES	NERT	10:	30 11	15 34	51	ppr T	757 i	GIRE	ME & P	HECK 1	Ba:			FLEMAN				\perp
TIME SUMMARY (OPPER UR ONLY)	SUBS O.D.		223	MAD & CHEMICALS ABOUT	11:	15 11	10/1/4	14	epi T											-	+
	BIT OR C.B.	FT.			MI. 1.1	01 2:	30 /19	15	Trut	PUT 6	21.2	2					1				-
	EBLLY DOWN	PT. COND. OF BIT	130 00	-	2:	30 4,0	00 1/2	CH	and be	Tarret	Lus	KK5	_				1				+
DEY	TOTAL	FL. REAMER NO.			-			+-				-									+
	MATTING 78,000	LEL REAMER TYPE	DRLI	LER JEN JOHN	cw l	VP.	UNINE	200	10" Un	10 70	RPM.	FOR !	Shope				NO. OF DAYS	SINCE L	AST LÖST TIME ACCIDENT		_
	NO. DRILLING ASSEMBLY	BIT RECO	SD.	MUD RECORD		FOOTAGE		CORE NO.		FORMATION				PUMP NO.	PUA	MP NO. METHOD	V.	EV	EMING TOUR 14.00 P.A	12:000	
	STAMPS D.P. 2267	FT. BIT NO.	5 TIME		r	ROM	TO CORE.	.c HO.	(SH	OW CORE RECO	VERY)	P4 .	PRESS	LINER S.P.M.	LINER	RUN S.P.M. SGL-S S.P.M. PAR'EL-F COM'D-C	CREW	SOC. SEC. NO.	KAME	HRS.	s.T
	SINGLES D.P.	FT. SIZE	Žija WEIG	HT	26	23 2	645 D	\perp	Nah	v. K.	ind	753	0.800	5% 66			DRILLER		2/ 9/2 19	Dant .0	7
T WORE	15 °C (2)			SEC		-		-				+1		-	-		DRKMAN		W Could	. 8	
TIRE LINE RECORD	DE 00 583	FT. TYPE	V (*	-c.c.			реети	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DE	711		DIRECTION	MTRMAN		Dec Mark	Garal 8	7
	10.00	PT. HOZZLE		R. CK	REC	ATION	DEFIN	DEV.	DIRECTION	DEPIN	DEV.	DIRECTION	1		DEY.	DIRECTION	FIREMAN		Fre Fra	8	7
HES & SIZE/	178. 800Y 0.0	SIZE	PH SA		PRO	TIME LOC	D THE	DETAIL	LS OF OPERATION	S IN SEQUENCE	AND REMARKS						FLRMAN				_
ree ree	NOON G.O.	PT. SEE, HO.	She Cash		4:0			12/2	Ata10 -	Testine	1 . E.	64 64	mid	Lucia	55		FLRMAN				+
LENGTH	Reft, BODY O.D.	DEPTH OUT	(12) GEAD	ILENT .				1k	matelle.	1 1	polio.	11 25 15	1 7 1/2	The state of	(Ad	car S.	FERNAN				+
R TRIPS AT CUT	50E5 0.D.	TOTAL FTG.	4.5	IND & CHEMCALS ADDED	9.00	10:1	7 7	Col	ways &	3690	Ly	2 in Al	le 111	3 10.1	5		-				+
WE TRIPS	SIT OR C.S.	TOTAL HR. RUM		ANT. TYPE	Mt. 10 /			D.	Kaj.	7	-	10 24	-				-				+
ATS ID	KELLY DOWN	FT. COND. OF SIT			11:1			30.00	4 18	0 10 %			-				1				+
(WE	TOTAL	FT. REAMER NO.		1	11.7.	- 11		7,7111	1			14					-				-
HES.	TOTAL	Tt. REMERINO.	DRILL	1//																	1

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DAIL	Y DRILLING REPORT	REPORT	HO. 10	DAT	1																		
	0 0	LEASE				WELL NO.	FIELD	D OMET			Loo	HNTY			STATE	5-55	- 0			PAYROLL DATA			
duboro Ce	Co BIS NO.	DELL PIPE TOOL STRING MINT	CAS	There	LITT!		1.0.0						coles	PKR TO		-	Butts	_	DATE VAL	1	1963	3	
H AMERICAN DRILL		STRING JOINT	0.0	-	MANUFACTURES		TYPE E	TROCE L	AST -	MZE	MAKE WT.	& GR. NO.	3 FEET	RKB. TO CMS. HD.	SET AT		I BARRY		DATE 1	1/1/2	de	y Ide	•
OF OPERATOR'S REPRESENTATIVE	SUPER TOP THE OF CONTE	ACTOR'S TOOL PUSHER	HD.	1 7/2	tional		503		BANG	-		-	+	-	-				WELL NAME &	adul	ara C	ail eo	
le W. Z	P1 .			2 7			-	OR	LIMER	25%		77			2310			_	TOOL PUSHER	10,000			RIG NO .
DISTRIBUTION SHOOKS	NO. DRILLING ASSEABLY	BUT RECOR			AUD RECORD	\rightarrow	200	TAGE	100.0	1/1				W7.0	2100	PUMP HD.	PUMP HO.	METHOD	TOUL PUSHER	WARM	INA TAND	2 00 PM 8 00	
MORH DAY EVE	STANDS D.P. /820 FT.	U	3	THE 2	00 6:30	-	FROM	то	CONE.C	HO.	(Secon	FORMATION CORE RECOVERY		ROTARY SIT	PRESS !	NEE S.P.M.	LEGE S.P.	RUN	CREW	SOC. SEC. NO.	T .	HAME	HRS.
			34		7.6 9.10		2106	22/8	D		Stake 31	lines (6)	-275	40 35					DRILLER		146	V. EVEHANC	8
ACTUAL 2344 7	D.C.	MFG. C.	The	VISCSEC					-			_			- 1				DRKMAN		TOM	SAN CLERS	. 8
	T.D. O.D. FT.	TYPE 1	2	W.LC.C.				DEPTH	00		ривестин	DEPTH	DEV.	DIRECTION	DEP	n I ne	w. Dis	естюн	MTRMAN		WE!	1 51 d dal	1 8
TING 1/4	15 106 66 383 FT.		3	FL TR, CK.			RECORD	Derin	-		one Ec mon	au in	-		1				FIREMAN		WEL	Lhy RAZAG	178
RIG	STE. BODY O.D. FY.	SIZE	-	90. CONT. %		_	FROM			DETAILS	OF OPERATIONS IN	SEQUENCE AND B	EMAPRIS						FLRMAN		+		+
SURVEY	STB. BODY O.D. FT.		779	PRESSURE GRADIENT	-			5.45	534		4 CONA								FLRMAN		1		
	SODY O.D. FT.		702				5:45	8 00	24	-	Alix.	SestT.	ONN						1				
LINE	O.D. FT.	TOTAL FTG.		TYPE	MT. TYPE	AMT.	6.00	5 00	2	Dr	4.												
	FI.	TOTAL HR. RUM		Seet	10															11			
-	KELLY DOWN 15 PT.					\perp													-		-		-
ASING NG	TOTAL 22/8 FT.	REAMER HO.		DRLLER	2011 11	-2													NO. OF DAYS	SINCELAS	T LOST TIME AC	CCIDENT	1
-	NO. DRILLING ASSEMBLY AT END OF TOUR	BIT RECO	En.	-	MUD RECORD		50	TAGE	1					lur.	m	PUMP NO.	PUMP NO	METHOD	NO. OF DATS			20 A.M. 47.00	
A TEST			3 411	TIME	aup Recorp		FROM	то	DR_D RM_R CORE_C	HO.	(SHOW	FORMATION CORE RECOVERY	•	ROTARY WT. 0	PUMP PRESS		LINER S.F.	RUH PARTIE	CREW	SOC. SEC. NO.	June 2	NAME	HRS.
1/4			% 8 %				22/8					+			Sec		Jac .		DRILLER		72	Burne	2
	D.C. / 1/2	MPG.	17.C	WISCSEC			20		-					100	-	1 71			DRKHAN		1.1	10000	8
PORATING	15 1.6 %0. 363 FT		2 041	*LCC						-	DIRECTION	ОЕРТИ	DEV.	DIRECTION	DEP	TH DE	y . P	RECTION	MTRMAN			Queller	8
****	1.0. 0.0. FT	HOZZILE HO.	3 3.	FLTR. CK.			RECORD	DEPTH 2	DE	10	DIRECTION	DEPTH	DEV.	DIRECTION	DEF	in Di	, D	KECHON	FIREMAN		7.	PNDRY	8
TING	578. 8007 0.0. FT	site #	14 //4	PH Stb.			THE	.86 m	TIME	DETAILS	OF OPERATIONS IN	SEQUENCE AND	TEMARKS						FLRMAN	11	-		- 1
DITIONAL	STR. SOOT O.D. FT		979	PRESSURE GRADIENT	_		8:00	9:36	1/4	D	cellest:								FLRMAN .	1 +	-		+
888	BODY O.D. FT		173	GRADIENT		- 15	9:15	9:30	14.	600	var e'N	WER FIL							T EROSAN				+-
TIME SUMMARY OFFICE USE ONLY)	SUBS O.D. FT	17	71	TYPE	& CHEMICALS ADDED	AMT.	9:30	12:00	2 2	7/	4. HING					3 2						10.	
	PT.		3110	Sala	10		3100		3	7	Beiller	ו פנוחוני	too.						1				lu.
,	KELLY DOWN PT	COND. OF BIT		7			,,,,,	7.00	9	7										× 12-1-		· · · · · · · · · · · · · · · · · · ·	145
рву	TOTAL 2290 FT	REAMER NO.						-		/	pe :	STARE	- /4	1//-	2273	- 55,50	10/2-2	27479					601
	NO. DRILLING ASSEMBLY	REAMER TYPE BIT RECOI	20	DRLLER	#UD RECORD	W	E0	DTAGE			/	/		\leftarrow		PUMP NO.	PUMP NO	METHOD RUN	HO. OF DAYS		ST LOST TIME		
	STANDS D.P. 3027 FT	3.4	4	TIME (:00		FROM	TO	DR-0 RM-R CORE-C	CORE NO.	(SHOW	FORMATION CORE RECOVERY)	RPE BI	T PRESS	LINER S.P.M.		RUN SGL-S AR'EL-P COM'D-C	CREW	SOC. SEC. NO.	 -	100 P.M. 12:00	P.M.
			3/4	WEIGHT /			2290	2450			Time 4	Hal		60 3		72 46	1,126	COM-Disc	DRILLER		12/	Date	v Q
WORK	15 0.C. 3/4 383 FT		re	VISCSEC 3															DRKMAN		1	Quille	2
IRE LINE RECORD	15 1.0. 6.0. 383 FT	TYPE OU	vv	W.LC.C.			dias.	-	4	_	т-	DEPTH		DIRECTION	DEF		EV. DI	RECTION	MTRMAN		Cont.	Holland	8
	I.D. O.D. FT		3	PLTR. CK			DEVIATION RECORD	DEPTH Depth	DE		DIRECTION	DEPTH	DEV.	DIRECTION	DEF	in pe	EV. 14	RECTION	FIREMAN		Far	Fining	8
es 8 uze/	STB. 800Y O.D. FT	SZE /	16	PR SpCould A			FROM		ELAPSED TML	de la	OF OPERATIONS II	SEQUENCE AND	REMARKS						FLRMAN				
OFF .	STR. O.D. FT	SER. NO.	-	PRESSURE GRADIENT	bacco PPN	1	4:00	4:30	1/2	Dr.1.	9								FLRMAN	-	+		_
LENGTH	RMR. BODY O.B. FY SURS	DEPTH OUT	173	GRADIENT			4:30	4 45	14	San	wee the	y Jet	PLI	Com							+		+
R TRIPS	BIT OR C.B. FT	TOTAL FTG.	-	TIPE	D & CHEMCALS ADDED	AMT	4:45	17:00	0 2	Daty	Hy ha	130	gils o	Count	-						1		
YE.	BIT OR G.D. PT	TOTAL HR. RUN	7	SALT																			
V4	KELLY DOWN 40 FT	COND. OF BIT																	ŀ				
NYS D IVE S HRS.	TOTAL 2430 FT																						

---/

	co	RIG HO. DRILL PIPE	070 CJ /S	Higolet 1	1	WELL NO.				_		Here		ES. TO SET	-	Zuebe		_	DRILLING CREV F	6	1963	
TH AMERICAN DRIL		RIG HO. DRILL PIPE STRING HO. SIZI	THIOL	0.D.		UMPS		THOUGH	SIZI	MAKE	WE & CR.	AGENTS	FEET S	ES. TO SET	AT	REN	ARES	_	DATE PA		a (It speolets)	16. 8
n datare Cheller	Can Flet	7	TYPE THD.	HG.	MANUFACTURER	-		LENGTH CA	MING.	-				-	-			_	WELL HAME & HO	Ladar	Mel -	
RE OF OPERATOR'S REPRESENTAT	IVE SIGHATUR	E OF CONTRACTOR'S TOOL	PUSHER	Ma	Comar	- /	508		MER									- 1	COMPANY	4 days	no all co	
Les. 70. 5	RI			3.	-				93	<u> </u>		7		13	6				TOOL PUSHER			RIG HO
E DISTRIBUTION HOUSE	NO. DRILLING ASSEM	BLY	BIT RECORD		AUD RECORD		PO	OTAGE	EM. # COM		FORMAT	ION	****	WT. CM		MP HG.	PENP HO.	RUN		MORN	ING TOUR 12 00 P.M. 8 0	O AM
MORN DAY EVE	STANDS D.P. /4/	89 FT. BIT HG.	2	TIME 3	00 630	2	FROM	10	COME_C HO.		CHOA COME NE	COVERY		_	SEE CHES		15.E .	ON D-C	REW :	SOC. SEC. NO.	NAME	HRS.
тн	SMOLES D.P.	FT. SEE	834	₩EIGHT /	0.6 10.4	r	1780		11	560		ivis	100	35 2	50 71	447			RILLER		17 Clerk	88
ACTUAL (0 2%) 3	1	MFG.	141c.	VISCSEC		1	1850	1902	D	Line	E + J	halei	-	-	+	++			DRKMAN		from Sander	
1/4	15 LAG 64 3	8 3 FT. TYPE	050-3	W.LC.C.		-	-	DEPTH	DEV.	pergenoe	DEPT	TH DEV	DIREC	Tree I	DEPTH	DEV.	DIRECTO	194	ITEMAN		W' 14 Jullat	
ATTRO SET 12 3/4	10. 00	FL HOZZLE	8	FLTR. CX.			RECORD	- SEP III	021.	- SHEELING	1		-			-	-	-	TREMAN		Welly Rheard	78
74 1/9 H	STR. BODY O.D.		112E 1/16	PH SO.	-	-	FROM	LDS TO	TIME DET	AILS OF OPERA	NOHS IN SEQUEN	CE AND REMARK	,					_	FLRMAN			
H SURVEY	STR. BOOY O.D.	SER, NO.	8278	CONT. %		-	12:00	115	14 0	Irla								1 -	FLRMAN	-		-
·	9 BOOY O.D.	DEPTH OUT	1902	PRESSURE GRAMENT		_	1.15	1.45	1/2 (Say C	beck Ri	4 Mu	& Bur	nosi -	mul	Time			FLRMAN	1		
UNE	SURS O.D.	FT. TOTAL FTG.	1191	ML	D & CHEMICALS ADDI	ED.	1:45		34 1	laly												++
16 Ja 3	BIT OR C.B.	FT.	0//	Sult	ANT. TYPE	AUT.	515	100	77.		NI.x	Sult.			-			_ -			F #1	
		COND. OF D	44	Juli .	20		600	-		daly	-	13 4		-								-
1/4		0 "		_		_	715	8.00	24 .	Subbia	y For	1311	-			-						+
CASHG	VILAPETRACE / COS	C de Fin		DRILLER	Merel										-			-	NO. OF DAYS	SINCE LAS	LOST-TIME ACCIDENT	
DH	NO. DRILLING ASSE		BIT RECORD		MUD RECORD	200	50	OTAGE	200			TION BUT	# 2	WT. 00	PL	IMP NO.	PUMP NO.	ETHOO			TOUR BICC _M 410	m 04
EM TEST	AT END OF TO	*		-		1	FROM	10	DR_D COR RM_R NO.	•	(SHOW CORE R)	BOOMERA)	ROTA	AT ATT F			HER S.P.M. P	AR'EL-P	CREW	SOC. SEC. NO.	NAME	HRS.
	STANDS D.P.	FT. BIT NO.	# 3		38	-	1902	1945		60	1 Tunk	-1/		35 2			,	- 1	ORILLER		BIN BENSON	-
	D.C. ,	MFG.	834	WISCSEC	7.7	1	1700	1775		1	Jane	- 11.16		100	3	7"		- 4 -	DRKMAH	- 1	L. E. THOWAY	8
ERFORATING	15 10 00 3	23 FT. TYPE	Ta	VL-CC												1 - 1			MTRMAN		J. Ruelles	8
UBING TEIPE	D.C.		NO	FLTR. CK.		1 1	DEVIATION	DEPTH	DEV.	DIRECTIO	e per	TH DEY	DIRE	стюн	DEPTH	DEV.	DIRECT	ON	FIREMAN		J. LAWRY	8
TABBI	E LO. O.D.	PE, NOZZLE	SIZE 11/16	PH			RECORD	LOG E	LAPSED					-		- 1 -	1	7	FLRHAN		V. Marin	
ESTING DOTTIONAL	2 STB. 500Y 0.0.	FT. SER. NO.	77979	CONT. %	Jr - 178,	- 72	PROM	10	1100		TIONS IN SECURI		3	-	_	-		-	FLRMAN			
U Q	518. -500Y 0.0.	DEPTH OUT	77.77	CHADIDAT	11.		8.00	9:00			184		^	1-	1.	-,		m ME	FLRMAN			
Jeg Parker.	SUBS 0.0.	DEPTH IN	1902				9:00	12:15		EL HEL	CHEC	N Dia	CAME	ac Nes	11/200	2 14.	- Ch	Je		1		
K .	BIT OR C.B.	FT. TOTAL FYG		TYPE	MT. TYPE	ED ANT.	12:16	1:00	34	100	1 11/10 15	202:	Those	= Ot	TEN E	3.0.P	The PA					
SP .		FT. TOTAL HR.	RUN	Salt	38 5 MS		1:00	1:45	3/4	Wahn	e Fra	11 10	13.110	1 3	15 /	11 ah	4	1 -		1		
'OP	KELLY DOWN	FT. COND. OF B	IT	per	to Ware	R	1:45	4:00	24	Dall	we:					/				1 17		
NDRY.	TOTAL	FT. REAMER NO												-:					-			
	47.00 15 CC			DRILLER		MECN	-		-	-	-			-				ETHOD	NO. OF DAYS		ST LOST TIME ACCIDENT	
	NO. DRILLING ASSEM		BIT RECORD		NUO RECORD		_	DOTAGE	560-0 COM	1	FORMAT SHOW CORE R	TION ECOYERY	ROTA	MY MT. CM	PUMP		PUMP NO.	RUN			NING TOUR 4 DO PM 8 6	
		O / FE BITHO.	2	TIME	200	-	10 UF	10/0/	cont.c	100	0 /	91	- 7		SEE		HER S.P.M.		CREW	SOC. SEC. NO.	ANE HAME	HRS.
	SHOLES D.P.	FT. SZE	830		1.7	-	1945	2106	+	124	ale of w	mt Sa	7 6.	32 3	75090	76	-		DRILLER		15 Do Teraw	8
AY, WORK	15 18 0.0. 3	33 FT. TYPE	1.15 BMI	VISCSEC	32			1						1 +			1		DRKMAN	++	of Quillen	0 9
VIRE LINE RECORD	D.C.	5 S FT. TYPE	NO.	W.LC.C.		-	DEVIATION	DEPTH	DEV.	онестю	DEP	TR DE	. DIPE	стюн	OEPTH	DEV.	DIRECT	MAN :	MTRMAN FIREMAN		The Hydrand	. 8
	I.D. O.D.	FT. NOZZLE	SIZE	PH PH		1	RECORD				-							1 -	FLRMAN		Teran	1 8
IPPED SIZE/	2 516, 8007 0.D.	PT. SER. NO.	77979	- 88NT. %	117.500	PPM	FROM			TAILS OF OPERA	TIONS IN SEQUE	NCE AND REMAR	cs						FLRMAN			++
IT DFF	STB. D.D.	FT. SER. NO.		PRESSURE GRADIENT	11 1 12 1	11/1/	4.00	5:00	11 1	les									FLRMAN			
T LENGTH	RMR. BODY O.D. SUBS O.D.	PT. DEPTH IN	1402	URALENT		1	7:00	11.15	F 1	· inse	Right	cella		-				-				
OR TRIPS	0.5.	FT. TOTAL FTO		TYPE	MI. TYPE	60 44*	5:15	11:00	5 %. 7	ag .	and and	10.	8 6	0	+ 1	o F	- 6	-				-
TIVE OR TRIPS	SIT OR C.S.	TOTAL HR.	RUN 75		104.	-	11 00	12.00	1	4. /	12	4	at :		7 6-5	ta		-1				
DAYS NO	KELLY DOWN	/ FT. COND. OF E	ит			- 1. 1				1				-	- 1							
		FT. REAMER NO			10										-							
ATIVE ING HRS.	TOTAL 37	12 Ft. REAMER IN		DRILLER	76	- 0	No.															

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM





	DRILLING REPORT	REF	ORT ND.	DATE THE	/														
		LEASE		1	WELL PE), FIELD C	DR DEST.			COUNTY			STATE			- DRILLING CR	EW PAYROLL DATA		
uboro Rel	EO RIG HO	DELL PIPE TO	e 184	old #1	PUAPS /			1 /40	E MAKE	NT. & CR.	Morole FEET		SET AT		bec	DATE A	0 0	1612	NO.
AMERICAN DRILLI		HD. SIZE		HO. MANUF	ACTURES	TYPE S		ST			JOINTS.	CSG. HD.				WELL HAME &	HO. To Duly	no C. Il Medild	Nº.
OF OPERATOR'S PRESENTATIVE	HOMATURE OF CE	HTRACTOR'S TOOL PUBL	IPE THD. IR	1. Hatio	nel 1	503 1	/ Z TU	HAG BIAG								COMPANY	Ladubo	no alco	
low z	20		01/	1	-		081	MER 9	1/4		7		234			TOOL PUSHE	1 1 2	11 15 16 16	RIG NO
STRIBUTION_HOURS	NO. DRILLING ASSENBLY	BIT R	ECORD	AUD R	ECORD	FOO	TAGE	04LD C00		FORMATION		SOTURY SIT	PUMP PRESS L	PUMP HG.	PUMP NO. NETT RU LINES S.F.M. PAS. SUES S.F.M. PAS.	OD .	MORN	ING TOUR 12:00 PM Sid	00 AM
MORH DAY EVE		FT. BIT HG.	1 2	THE 500		FROM	10	CORT.C NO		OA COME MECO.		1000 #	, PRIESS L	1.P.M.	SEE S.P.M. PAS'	CREW	SOC. SEC. NO.	HAME	HRS.
1	SNOLES D.P.	PT. SZE	834 83		ļ	1158	1320	0	Thatel	Sury)	Lime	40 30	7007	14 53		DRILLER		a Cleveland	8
TUL 43 757	15 in an 28%	PT. TYPE		VISCSEC		-		-							7	DRKMAN		w m N Tildal	
CMID &	75 B.C 202	1100	3 3	PLTR.CK.		DEVIATION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPT	H DE	V. DIRECTION	FIREMAN		Welly Rhoult	- 0
3 2		FT. HOZZLE		Pil		RECORD		CARGO I								FLRMAN		oury rouse.	
10 14 1/2 P	476	FT. SER. HQ.	8841 827	CONT. N		FROM	10	TIME DE	TAILS OF OPERATIONS	IN SEQUENCE	AND REMARES					FLRMAN			
URVEY 1/2	BODY O.S.	PT. DEPTH OUT	1191	PRESSURE GRADIENT		1200	4 00	2	TRIP & C	back	Rie					FLRMAN			
	SUES	FT. DEPTH IS	236 1191	MDACON.	ACALS ADDED	4 00	545	134	Ast.										-
	SIT OF C.R.	FT. TOTAL FTG.	955		TIPE MIL	545	600	14	SET P.	Ts - A	Mir sal	T				_ 1			
		COMP OF DIX	2/3	Salt 10		400	800	2									1		
	TOTAL / 3 2 A		-13/-/			1							1			- 1			
146		St. REAMER TYPE		DALLER G. P.	leadard	-2.5										NO. OF DAYS_	SINCE LAST	T LOST TIME ACCIDENT	- 1
	NO. DRILLING ASSEABLY	BIT	RECORD	AUD	RECORD	FO	DTAGE	88_D CO		FORMATION	13112	ROTARY SIT	H PMF	PUMP HO.	PUMP NO. HET	N N	DAY	TOUR Bioc A.M. His	20 P.M.
rest L	12 STANDS D.P.	FT. BIT HO.	2	TIME 10:00		PROM	то	CONE_C H	, (2s	KEN CORE RECO	WERT)			SIZE LF.E.	LINER S.P. PAR		SOC. SEC. NO.	HAME	HRS.
7	2 SHOLES D.P.	FT. SIES	234	****** 9.7		1320	1585	0	Comy Si	int Sa	w know	6035	750	74 45		DRILLER		BEN BINGH	8
ATRO	12	MFG.	47d.	VISCSEC 37	1 2	-	-		1				++			DRKMAN MTRMAN		het Trongs	8
1825	D.C. 000	- W	0583	FLTR. CK.	_	DEVIATION	DEPTH		DIRECTION	DEPTH	DEV.	DIRECTION	per	TH DE	V. DIRECTION	FIREMAN		J. Russey	8
* 8	LD. G.D.	FT. HOZZLE MZ	1/16	-		RECORD	6510	LAPRED =								FLRMAN		V. KINDRY	
Part 2	578. 8007 G.D.	SER. HO.	8278	Sugar THE	100 an F	FROM	10	THE DI	TAILS OF OPERATION	S IM SEQUENCE	AND REMARKS	-				FLRMAN			
889	*STB. BODY 0.0. BMR. BODY 0.0.	PT. DEPTH OUT	cure	CRADIENT 4'A	16:00	40.20	8.30	11. 1	Carllen 6	· N	0					FLRMAN			
THE SIMMLEY	SUBS 0.0.	PT. DEPTH IN PT. TOTAL PTG.	1191	MAD & CHE	MICALS ADDED	8:45	2:00	54	Delling	Curek	no.								
7	MT OR C.S.	FT. TOTAL HR. BUH		TYPE AMT.	TEPE AMT.	2:11	2:30	1/5	Stopez	24.51									1 11
	KELLY DOWN	FT. COND. OF BIT		201 70	HO TO PERSON	2:30	4:00	1/2 -	ZZadlino		- 1		_			-1-	45 - 1		
,		FE. BEAMER HO.		" 20	"												+		
	WT. GF ETHING / 2 0.00	LES. REAMER TYPE		DALLER TH	Thum			0	WHEED E	4.5.	Jones 1					HO. OF DAYS		ST LOST TIME ACCIDENT	
,	NO. DESLITE ASSESSELT	BIT	RECORD	#U5	RECORD	_	OTAGE	88-9 CO		PORMATION NOW CORE RECO	N	SPN ST	PRESS	PUMP NO.	PUMP NO. NET			NING TOUR 4:00 P.M. 12:	
	STAMDS D.P.	FT. BITHO,	2	TIME C		1585	10	CORE.C	-			60 35			HERE CO	DRILLER	SOC. SEC. NO.	H. De Course	8
DEK	oc 6/4 pos	PT. SEE	8301 HTC	VISC. SEC 1/1	-	1505	1980					60 33	120	77.		DRKMAN		A. De Cryvy	8
LINE RECORD	10 ta ea 355	PT. TYPE	77.C	WL-CC.												MTRMAN		Jun Hulband	8
_	9.C.		3	FLTR. CK		DEVIATION	DEPTH	sev.	DIRECTION	DEPTH	DEV.	DIRECTION	DEF	TH DE	IV. DIRECTION	FIREMAN		14 / 1	8
S 201 / 2	I.D. O.D.	50	1/4	PH		FROM	Loc	TIME D	ETAILS OF OPERATION	I IS IN SEQUENCE	AND REMARKS					FLRMAN			
·	STB. O.D.	PT. SER. NO.		BHE 1/6	1-111		5:00	/)	Dr.Fr					×		FLRMAN			_
-	BOOY Q.D.	FE. DEPTH OUT	2273	GRAMOIT		5:00	534	1 -	George 1	in you	131 -	Cha				PERMAN			+-
INSTR CUT	SURS 0.0.	PT. TOTAL FTG.	1191	TIPE ANT	MCALS ADDED	5:30	12:00	62 1	July + C	note.						- 1			
turs	SITOR C.S.	TOTAL HE, MAN	1/4			4			-	*			-						-
	ERLIT DOWN 1.0	PT. COMB. OF BIT	1	Set 16-		1												t	
its.		FT. REWELNO.									_							1	1

- Sales Ville

DAILY	DRILLING REPORT	REPORT NO. Lo	DATE 6 30.63															
luboro Ol		LEASE	WELL NO	. FIELD OR	DIST.			COUNTY		STA	TE		4	-	CREW PAYROLL 1			
TOR	CO RIGNO.	DREL PIPE TOOL	world F / PUMPS	•					let				ebu		une 30		1963	
H AMERICAN DRILLI	NG COMPANY //	STRMS JOHT C	D. PUMPS	TYPE STE	DER LAST	MEE	MAKE	NT. & CR. NO.	PEET PEE	. TO SET AT	-	REMAR	ics	- DATE	une Je	11 6	o CIH moles + N	16. 8
E OF OPERATOR'S REPRESENTATIVE	IN LTO. SIGNATURE OF CONTE	TEPE THO.	1 - 1 - 1	FOB /	Z TUBER		-							-	E & HO. Lad	now	· all a	
41	21		1	200 /	OR LIHE		-	- 1		-	-			COMPANY_	Ja Din	10-01	· cece cu	81C ND
den 20 1			1			9%		7		230	6			TOOL PUSH				_ KIO NO.
E DISTRIBUTION-HOME	NO DRILLING ASSEMBLY	BIT RECORD	AUD RECORD	POOT	AGE	DEL.C HO.	(100	FORMATION OW CORE RECOVERY)	POTABL	BIT PERF	PUMP	NO. PU	LPM PARTIE				G TOUR /2 00 PM 8 01	
MORN DAY EVE		BIT NO. SIZE	TIME	FROM	TO C	0.390	-		_	1800.4	SEE	920	COM.D		SOC. SEC.	, HO,	NAME	HRS.
ACTUM.	D.C.	MFG.	ARC TRC			_				-	+	_	-	DRILLER		1	a Cliveland	8
7-	1,0, 0,0, FT.	TYPE	AT'-CC'											DRICHAN		-	Glom Sanders	8
ENG MUD	b.c.	но.	FLTR. CK.	DEVIATION	DEPTH	DEV.	DIRECTION	DIPTH DE	IV. DIRECT	104	DEPTH	DEV.	DIRECTION	FIREMAN	+	++	W" H Sindall	
3	1.D. O.D. FT.	MOZELE	Pi	##C0#0							1		()	FLRMAN			gules sandy	-
e mic g	STB. BODY O.D. FT.	SER. NO.	SO, CONT. %	FROM LO	TO TH			IN SEQUENCE AND REMAR						FLRMAN		1		++
SURVEY N	STB. BODY 0.D. FT. RMR.	DEPTH OUT	PRESSURE GRADIENT	12:00 8	800	8 W	.oc	nstalling	B. 0.F	. ,				FLRMAN				+
1	BODY O.D. PT.	DEPTH IN		\vdash		_								- 1				
UHE	BITOR C.B. FL.	TOTAL FTG.	TYPE ANT. TYPE ANT.	-		_				-	-		-	- 1	i			
	FL.	TOTAL HE. BUH																
	KELLY DOWN PT.	COMP. OF SIT												- 1				
ASING NE	TOTAL PT.	REMER HO.																
		REAVER TYPE	DELLER a Cleveland											HO, OF DAYS		-0.00 (C-0.00)	OST TIME ACCIDENT	
H TEST	NO. DRILLING ASSEMBLY AT END OF YOUR	BIT RECORD	MUD RECORD	FOOT	AGE	RMLR ME.		FORMATION	ROTARY	NT. CHI BIT PESS 1000-F PESS	PUMP		MP NO. METHI	OD		DAY TOU	UR 8-10 AM 9:00	CP.M.
		MT HD.	THE .	FROM	70 e	00E-C	Clar	ON CORE RECOVERY)	RPM	1000.F PEE	SEE SEE	1.P.A. Sign	I.P.E. SGL3		SOC. SEC.	,	HAME	HRS.
7-	SHGLES D.P. FT.	MEN	VEGAT (-	-					-		DRILLER			DEN KOENSON	188
PORATING		MFG.	VISCSEC	\vdash						+	+ $+$	-	++	DREMAN		₩	L. E. THOMAS	
MG TRPS	1.0. 0.0. PT. D.C.	TYPE HO.	AT-CC 50	DEVIATION	DEPTH	DEV.	DIRECTION	DEPTH DE	V. DIRECT	нон	PEPTH	DEV.	DIRECTION	MTRMAN		+	J. Quillen	8
2000	LO. G.O. PT.	contract of	FLTR. OL	RECORD				1						FIREMAN		+		8
7100	518. 800Y 9.0. FT.	18R, HO.	SO. CONT. %	FROM LO	TO TIM	SED DETA	LS OF OPERATIONS	IN SEQUENCE AND REMAI						FLRMAN FLRMAN		+-+		-
ILLIGHAT 3	916. 9007 q.g. PT.	DEPTHOUT	Catave	8:11	4:00 %	1	11.6.6.	Mitchell	UP	13.0.1	. 9			FLRMAN-		+		-
THE STREET	900Y 0.0. FT.	DEPTH IN	UKANIST .	-		C	unger	Ppin	AMS TO	3/4	,			PERMIT.		+		+
INFERENCE COLT	NT OF CA. FT.	TOTAL FIG.	TYPE ANT, TYPE ANT,											-				+
	MIT OR C.M. PT.	TOTAL HE. RUH	1175 201.	-										-		1		+
	KBLLY DOWN FT.	COMD. OF MT												- 1	, in 1			
67	TOTAL FT.														4 -			
	The second secon	REAMER TYPE	ones Sou laterson	4										HO, OF DAY	rs	KELASTI	LOST THE ACCIDENT	
	HQ. DRILLING ASSEMBLY AT END OF YOUR	BIT RECORD	AUD RECORD	FOOT	AGE	DE-D COME		PORMATION	*****	NT. CH PURP	PIMP		MP NO. METH	00	-	EVENIN	NG TOUR 4:0 : PM /2:0	CPM
		81T HD,	Tee	FROM	10 e	RM-D COME FO. CORE_C	(SH	OW CORE RECOVERY)	nr.	BIT, DAT PURE BIT PURE 1000-0	LINES	S.P.A. LINE 1021	ILP.M. PAR'E	CREW	SOC. SEC.	2. NO.	HAME	HRS.
	SINGLES D.P. PT.	sze /	VEICHT /	236	75	-	Smith	Sees state	101	50	-			DRILLER			Il We Draw	8
WORK		MPC.	MIX18C	1	-	-					+			DRKMAN			P. Dudle	8
RE LINE RECORD	1.0. 0.0. FT.	1100	AT-CC 3.0	DEVIATION	DEPTH	DEY.	окистон	DEPTH DE	IV. DIRECT	now I	DEPTH	DEV.	рикестон	- MTRAAN			Jas Hillard	08
1 5	LD. 0.0. FE.	HOEZILE HO. O. / .	R.TR.CI	RECORD	ou iii	-	STREET TON			_		561.	page non	FIREMAN			Luc Famile	Ç-
es SEE 5	STB.	921	Bier.s	FROM	TO TH	SED DET	ULS OF OPERATION	IN SEQUENCE AND RELA	ex.3					FLRMAN		-		+
off E	178. 0.0. PT.	30K. NO.	PRESSURE CRADINAT	4:00 /	· /	1	1		robin	116	2			FLRNAM		+		++
ENGTH	175. 100 PT. 175. 100 PT. 175. 100 PT. 175. 100 PT. 175. 175. 175. 175. 175. 175. 175. 175	DEPTH OUT	CRASENT	5100 3	145 3	1/2	1	H. Jak	THE B	of the	00	and .	230	FLIMAN	1	+		+
TRIPS		TOTAL PTG. 236	TIPE AMT. TYPE AMT.	5:4. 6	11 6		- dene	po Bo	\$ 1000	par-	1 1	T-a . o	1	-	1 -	++		
YE TRIPS	BIT OR C.B. PT.	TOTAL HE, ESH	TIPE AMI, TYPE AMI.	675 7	1:00 3	1	hell +	Act me	we he	ele.				-		+		-
YS 0	KELLY DOWN PT.	*COND. OF BIT		7.00	15 /	100	if my	639 Die	Of lot	les.				- 1		1		++
						4 / 1						och as						

TOR	LY DRILLING REPORT	REPORT NO.	DATE 1. 29 63																		
aduboro Cel	(Op	Laduboro C.J. S	District of	L HO. FIE	D OR DIST.			COUNTY	72:	let	-	STATE	d.	iebe		DRILLIN	G CREW PAYRO	ALL DATA			
ACTOR	RIG		OD PUMPS				SIZE	MAKE WT. & GR		PRET S	RKB. TO CSG. HD.	SET AT		REMARK	-	DATE _	June	29	1963	NIO.	87
TH AMERICAN DRILL		NO. SIZE	NO. MANUFACTURER	TYPE		LAST			JOINTS		CSG. NO.	1000					ME & NO. Z	dub	no CAH Theolet	7	0/
TURE OF OPERATOR'S REPRESENTATIV	E SIGNATURE OF	CONTRACTOR'S TOOL PUSHER	1. National	1508	12	CASING TUBING										COMPAN	· Lak	tuboro	al co		
-1	0		3.		0	R LINER								-		TOOL P				are wa	1
ME DISTRIBUTION MOURS	NO. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD		OOTAGE	200.0	1				WT ON		PUMP NO.	PIN	P HO. MET	THE RESERVE TO SERVE	Janex	-	NG TOUR 12 00 PM 8	2 O	
MORN DAY EVE	STANDS D.P.	FT. BIT NO.	TIME	FROM	10	DRO RM. R CORE	CORE NO.	FORM.	RECOVERY)	ROTA RP	TARY SIT	PUMP PRESS	LINER S.P.	LINER	S.P.M. PAR	CREW	50C 5	EC. HO.	HAME	HRS.	12
wor	SINGLES D.P.	FT. SZE	WEIGHT	235							_		74	344	COM	DRILLER		Eu. Hu.	a Clevelun		
ACTUAL	D.C.	MFG.	VISCSEC										7 7			DRKMAN		+	flom Jander	- 0	+
	I.D. O.D.	FT. TYPE	W.LC.C.													HTRNAN			well Sidla		+
NING MUD	D.C.	NO.	FL TR. CK.	DEVIATIO		H 1	DEV.	DIRECTION DE	PTH DI	Y, DIRE	ECTION	DEF	TH	DEY.	DIRECTION	FIREMAN			Jules Land		_
	I.D. O.D.	FT. HOZZLE SIZE	PR	RECORE		ELAPTOR										FLRMAN			-	1	\top
'E RIG	SOPY O.D.	FT. SER. HO.	SD. CONT. %					OF OPERATIONS IN SECUL		K5		-				FLRMAN					T
SURVEY	BODY O.D.	PT. DEPTH OUT	PRESSURE GRAMENT	12.0	800	2	Mus	Cubité	672			_				FLRHAN					
Р.	SUBS O.D. (1)	DEPTH IN			8 00	(5	Ci	ECHAPI IK								-		1			T
LINE	0,0. €1 BIT OR C.B.	FT. TOTAL FTG.	TYPE AMT. TYPE	WIT,	-		1														I
iG .	Olf On C.C.	FT. TOTAL HR. RUN																			
	KELLY DOWN	FT. COND. OF BIT																1			
CASING TNG	TOTAL	FT. REAMER NO.																			
ING .	WT, OF STRING	LBS. REAMER TYPE	DRILLER a Clavelana	4												NO. OF D	AYS 6	INCE LAST I	LOST TIME ACCIDENT		
IM TEST	HOL DRILLING ASSEMBL	Y BIT RECORD	MUD RECORD		FOOTAGE	DR_D RM_R CORE_	CORE NO.	FORM	ATION	ROTA	TARY ST. OH	PEMP PRESS	PUMP NO.		F NO. RI	HOD		DAY TO	OUR 8:00 MM 45	000	
1401	STANDS D.P.	FT. BIT NO.	TIME	FROM	10	CORE	c NO.	(SHOW CORE	RECOVERY)	RF	1000 #	PRESS	SIZE LP.	M. SIZE	LP.M. PAR'	CREW	soc. s	EC. NO.	NAME	HRS.	
2	SINGLES D.P.	FT. SIZE	WEIGHT		235		1	Just Free F TA	2;		\perp					DRILLER		ł	BEN BENEO	18	
RPORATING	D.C.	MFG.	VISC,-SEC		-	-					_	-		-		DRKMAN			L. F. INDIANS	8	
BING TRIPS	1,D, 0,D,	FT. TYPE	W.LC.C.		DEPT	TM .	DEV.	DIRECTION DE	PTH DI	v Ne	ECTION	NO.	PTH	DEV.	DIRECTION	MTRMAN			J. Quellow	200	4
ABRING	L.O. O.D.	FT. HOZZLE NO.	FLTP, CK.	DEVIATI	204			O dom	· III		ac non	-	-		·	FIREMAN			M. PAFAULET	- 8	\perp
STING	STB. BODY O.D.	SIZE	PH SD.	FROM	HE LOG	ELAPSED TIME	DETAILS	OF OPERATIONS IN SEQU	ENCE AND REMA	RKS (-10		7		FLRHAN			-		1
DITIONAL	2 31B.	FT. SER. NO.	SD. CONT. N				No	-9 7/2 Cm		lour.	110 10	1116	AREAT	777		FLRHAN	-	-			+
	RMR. BODY O.D.	FT. DEPTH IN	PRESSURE	14.3	2:11	35	Not	FIRMY 7	THE ME	Mx	111	(11.00	FALT	Turk	CHA	FLRMAN					+
(OPFICE USE OHLY)	SUBS O.D.	FT. TOTAL ETG	MUD & CHEMICALS ADDED			190	Muc	2 Hortwell	11 7	Julk!	(15:00	11. 117	0/1	96,00	6			-			+
	BIT OR C.S.	FT.	TIPE AMT, TYPE A		-1		11	who literal	2:00	1:10	L.					_ !					+
·	KELLY DOWN	FT. COND. OF BIT		7:00	4:00	2	Jr	x 11/ 17.50	1 /1	Her ;						_	-	-			+
P	TOTAL	FT, REAMER NO.					-									-1-					+
DSY	WT. OF STRING	LBS. REAMER TYPE	DRILLER BENE	,	-											10. OF 0	AYS	SINCE LAST	T LOST TIME ACCIDENT		-
	NO. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	-	POOTAGE	DR-0	CORE	FORM	ATION		VT N		PLIMP NO	D. PUL	IP HO. MET				ING TOUR! 1:00 P.M. 12.	11.00	
	STANDS D.P.	FT. BIT NO.	TME	FROM	10	BR-D MM-R	NO.	(SHOW CORE	RECOVERY)	RF	TARY WT. DI	PRESS	LINER S.P.		S.P.M. PAR	EL-P CREW	soc.	SEC. NO.	MANE	HRS.	T
	SINGLES D.P.	FY. NZE	₩BIGHT	9.39	t-1))							-		1	DRILLER			12/ (5) 1/2	2	_
Y WORK	D.C.	MFG,	VISCSEC					+=								DRKMAN		1	1 O	8	_
FIRE LINE RECORD	I.D. O.D.	FT. TYPE	W.LC.C.													MTRMAN			Des Hadde	18	_
		HOZZLE HO.	FLTR. CK	DEVIATE	DEPT	Н	DEV.	DIRECTION DE	PTH D	EV. DIRI	RECTION	DE	PYH	DEV.	DIRECTION	FIREMAN			Hat Town	. 8	\dagger
NES SIZE	STB. BODY O.D.	SIZE	PH	70	45100	ELAPSED TIME	007000	OF OPERATIONS IN SEQU	ENCE AND RES							FLRMAN					T
PPED	BODY O.D. STB. BODY O.D.	FT. SER, NO.	Souri. s	FROM	TO	C)	JII.	C C C	ENCE AND KENA	nna	1.2	74				FLRMAN					I
TOPF	RMR.	PT. DEPTH OUT	PRESSURE GRAMENT	4:00	12.00	Y	110	, , , ,	1801	1	2000					FLRHAN					\perp
LENGTH	RMR. BODY O.D. SUBS G.D.	DEPTH IN					10	the .		14-	200	for	800	0							\perp
	BIT OR C.B.	FT. TOTAL FTG.	TYPE ANT, TYPE	AMT.				1			11			0							
OR TRIPS		TOTAL HR. RUN	Jult 165				+.1														1
TIVE OR TRIPS		PT.	- Duaz Heb																		
	KELLY DOWN	FT. COND. OF BIT	7047 100															-			+

		To all	1 9 Milet I WELL	IO. FIELD OR DIST.	COUNTY M: C.F	STATE O	DRILLING CREW PAYROLL DATA
		STRING JOINT O.D	PUMPS	in the Contract	SIZE WAKE WT. & GR. NO. FEET RKS. TO CSG. HD.	SET AT REMARKS	DATE - 1963 NO
		NO. SIZE	NO. MANUFACTURER	TYPE STROKE LAST	Joints Csu, nu,	12 15 15 - 15 TO - 15	WELL NAME & NO. Ladulore C. S. Micolet I
	SIGNATURE OF CONTR	TYPE THD.	1. Matimal	/508 /2 TUBING		The state of the s	COMPANY Ladulos v Oil. Co.
	0 + +		2	OR LINER	11 12 1414	<i>n</i> \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
w. Ti	K		3.			20 21 22	TOOL PUSHER RIG NO.
STRIBUTION-HOURS	NO. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	FOOTAGE DR	CORE FURNATION ROTARY BIT		MORNING TOUR P.M A.M.
MORN DAY EVE	STANDS D.P. FT.	BIT NO.	TIME	FROM TO CORE	C NO. (SHOW CORESPECOVERY) RPM 1000 A	PUMP PRESS LIHER S.P.M. LIHER S.P.M. SIZE SIZE SIZE COM'D.C	CREW SOC. SEC. NO. NAME HRS.
	SINGLES D.P. FT.	SIZE /3 3/4	WEIGHT	46 78	Drift - Chaptbrand		DRILLER A. Che Vertana
JAL 6	D.C.	MFG. Pron N	VISCSEC	78 120 6	Shape him Shalls		DRKMAN Tom SAnders P
	I.D. O.D. FT.	ТУРЕ	W.LC.C.	3-27			MTRMAN W = # SILLALL Q
MUD	D.C.	NO.	FLTR. CK.	DEVIATION DEPTH	DEY. DIRECTION DEPTH DEV. DIRECTION	DEPTH DEV. DIRECTION	
	S I.D. O.D. FT.	NOZZLE SIZE	РН	RECORD 85	0		FLEMAN SULES LANdry &
11 2	STB. BODY O.D. FT.	SER, NO.	SD. CONT. %	FROM TO TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		FLRMAN
/EY	STB. BODY O.D. FT.	DEPTH OUT	PRESSURE	12.00 800 8	Mrly - CONN - Hud Shape	TEST	FLRMAN
Ŷ	¥ BODY O.D. FT.	DEPTH IN	GRADIENT				FLIMAN
	SUBS O.D. FT.		TYPE AMT, TYPE AMT			3. 4	
	BIT OR C.B. FT.	TOTAL FIG.	TYPE AMT. TYPE AMT				
	FT.	TOTAL HR. RUN					
	KELLY DOWN FT.	COND. OF BIT					
	TOTAL FT.	REAMER NO.	POW 50				
		REAMER TYPE	DRILLER A CLEVELAN	0 - 10 - 10 - 10 - 10 - 10	2 Transfer of the second second second		NO. OF DAYS SINCE LAST LOST TIME ACCIDENT
	NO. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	FOOTAGE DR.	CORE FORMATION ROTARY WT. OI BIT RPM (SMOW CORE RECOVERY) RPM 1000 #	PUMP NO. PUMP NO. METHOD RUN	DAY TOUR X. // O A.M. ZY - O G P.M.
ST .	STANDS D.P. 96 FT.	BIT NO.	TIME 200	FROM TO CORE	C NO. (SHOW CORE RECOVERY) RPM 1000 #	PRESS LINER S.P.M. LINER S.P.M. PAR'EL-P	CREW SOC. SEC. NO. HAME HRS.
de	SINGLES D.P. FT.	SIZE 133	WEIGHT	120 191	1 GKM St . F . CT . 90	250	DRILLER DAY 4) Hours 8
	2 D.C.	MFG.	VISCSEC 1/2		/A / Call		DRKMAN FC TO A 8
TING	2 1.0. O.D. 8/ FT.	TYPE Ze	W.LC.C.				MTRMAN 0 6 0 00 8
RIPS	D.C.	NO.	FLTR, CK,	DEVIATION DEPTH	DEV. DIRECTION DEPTH DEV. DIRECTION	DEPTH DEV. DIRECTION	FIREMAN SULLA SULL
g	g 1.D. O.D. FT.	NOZZLE SIZE	Pil	RECORD			FLRMAN XICASSICT
, <u>p</u>	STB. BODY O.D. FT.	SER. NO.	SD. CONT. %	TIME LOG ELAPSED	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	The Free Page 1	FLRMAN
AL Á	STB. BODY O.D. FT.	DEPTH OUT	PRESSURE GRADIENT	8:00 8:45 3	Chil Pin Con		FLRMAN
18	800Y O.D. FT.	DEPTH IN	GRADIENT	8:45 10:45 3	D.G.		FARMAN.
AE SUMMARY ICE USE ONLY)	SUBS O.D. FT	TOTAL FTG.	MUD & CHEMICALS ADDED TYPE AMT. TYPE AMT	10:45 11:00 -14	Com a Collen Standl		
8/9/20/ 14/19	BIT OR C.B. FT.		TYPE AMT. TYPE AM1	11 1111	12.2		
	FT.	Information and amount for the		2: 10 3 cm 11-		esono Das Ollatopes	
	KELLY DOWN /FT	COND. OF BIT		3.00 4:00 11	1.L		
	TOTAL 9 FT	REAMER NO.					
	II.UF SIRIED	REAMER TYPE	DRILLER H 4) Hisson	State Const			NO. OF DAYS SINCE LAST LOST TIME ACCIDENT
	NO. DRILLING ASSEMBLY AT END OF YOUR	BIT RECORD	MUD RECORD	FOOTAGE DR-	CORE FORMATION ROTARY WT. O NO. (SHOW CORE RECOVERY) RPM BIT	PUMP NO. PUMP NO. METHOD RUN	EVENING TOUR P.M. P.M.
S1 (25) 16 K	STANDS D.P. 126 FT	BIT NO.	TIME 5	FROM TO CORE	1000	SIZE SIZE COM'D-C	CREW SOC SEC NO. HAME HRS.
		SIZE 13 %	WEIGHT	191 225 1		250	DRILLER A DO LANGE &
K	3 10 00 8/ 1	Mrc. //	VISCSEC 42	/3			DRKMAN - Gat Oxella &
INE RECORD	1.D. O.B. FY.	TYPE	W.LC.C.				MTRMAN Yes Had Spread 18
		NOZZLE NO.	FLYR, CK	DEVIATION DEPTH	DEV. DIRECTION DEPTH DEV. DIRECTION	DEPTH DEV. DIRECTION	FIREMAN
8 size / ₽	1.0. 0.0. PT.	SIZE	PH	TIME LOG ELAPSE	V		FLRMAN
N N N N N N N N N N N N N N N N N N N	57B 0.D FT.	SER. NO.	88ht. x	FROM TO TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	2 2	FLRMAN
EVE	5 6001	DEPTH OUT 235	PRESSURE	4:00 5:00 1h	A Land A CARTA		FLRMAN
н	RMR. BODY O.D. PT. SUBS O.D. FT.	DEPTH IN	The Part Court No.	7 12 7 12 24	Drie	The Control of the Co	
	BIT OR C.B. FT	TOTAL FTG.	TYPE ANT. TYPE AM	C 7 45 8 10 1/2	Ru shine but when		
	and CE	TOTAL HR, RUN		East, the second of the second	110	The Manual Control of the Control of	
	THE RESERVE OF THE PARTY OF THE			10 00 11 00 1	A A A A A A A A A A A A A A A A A A A	9 28 Fall 924	
	KELLY DOWN		The state of the s	The same of the sa		133. 100 1 133.	
	KELLY DOYN OF PT.		(0	111200 11 47 1 42	1 All All All All All All All All All Al		
IPS.		REAMER NO.	DESLEE OF DA	11:00 H 45 42	Colto our coming		NO. OF DAYS SINCE LAST LOST TIME ACCIDENT





	6.2		1	SEASE			-		L															4.1					
horo Cal &	to	1		ductors	.6151	Gent +	11		WE	LL HO.	FIELD O	OR DIST.				COUNTY	He	ol.		STATE	Z	reb	-	DRILLING	REW PAYROLL	L DATA	1613	,	
OR .				STRING P	OHT	0.0.			PUMPS					SIZE	MAKE	WY. & GR.		PERT	CSG, MD.	SET AT		REMARK	13	DATE	me !	21	1963	- Nº	. 8
H AMERICAN DI	RILLING	COMPANY	1	10. MER	TYPE THE.	HQ.		MANUFACTO	RIT	TIPE			LAST	+										WELL NAME				das F	
OF OPERATOR'S REPRESE	HTATIVE	SIGNATUR	S OF CONTRAC	TOR'S TOOL PUSH		1.	114	ann d	1	150	51		PLINER		3									COMPANY_	Laker	nbore	all co		
The 20	1	2				1						-												TOOL PUSH	ER			R	HG HO
DISTRIBUTION-HOURS	1 N	DRILLING ASSEM	ABLY	BITE	RECORD			NUD RECO	RD		F00	TAGE	00.0	CORE		FORMA SHOW CORE I	TION		ROTARY ME.	OH PUMP	PUMP HO.	PU	RUE SUP. SOL.	00		MORNING	TOURP.	мл	A.M.
HORN DAY E	a l	STANDS D.P.	FT.	MT HO.		TIME					POW	10	DR. A CORE.	cont so,		SHOW CORE I	(ECOVERT)		RS*100	A PRESE	PUMP HO.	AL LINER	S.P.M. PASSE	CREW	SOC. SEC	C NO.	HAME		HRS.
		SHGLES D.P.	F1.	uze.		*815	rt .						7											DRILLER			1 Block	word	8
CTUAL .		B.C.		APG.		VISC.	sec																	DRKMAN			Mose San	dur	8
		LD. Q.D.	PT.	TYPE		M.L.	c.c.					-	-	1		,					-			MTRMAN			w" H Sid	dall	8
TING				140	5.	. FLTR	cx.			DEY	TATION	DEPTE		DEV.	DIRECTION	041	PTN	DEY.	ривестин	DEF	TH	DEV.	DIRECTION	FIREMAN			Vuler Jun.	try	8
	5	1.0. 0.0.	PT.	POZZLE		PM				_	THE I	LOG	ELAPSED TIME		5.5.5.5.50	<u> </u>				1				- FLRMAN		1 1			
RIG	1 2 -	\$TB. BODY 0.D. STB.	PT.	IER, NO.		SD. CONT		-			CW	10		_	S OF OPERATIO	HS IH SEQUE	HCE AND REM	ARKS						FLEMAN					
URVEY	1	800Y 0.0.	FT.	DEPTH OUT		FRES	RURE IENT				_	4 00	1/	1	116 4	P	VIX	an .	1					FLRMAN	i				
	_ * -	800Y 0.0.	FT.	DEP'TH IH						12	620	7 00		1	14 4	2 /	VIIX	Mos						- 1					
146	_	MYOR C.B.	FT.	TOTAL FTG.		7	MALD STR	MT.	TEPE	MT.			-																
		MT GK C.B.		TOTAL HR. BUH			1.66										.3												
		KELLY DOWN		COHO, OF BIT												1													
		TOTAL	FT.	EEAHER HO.									171			1													
SING IS	- 10.	OF STRING	LUS	REAMER TYPE		DRIL	LER	Clar	land							-								NO. OF DAYS	\$10V	ACE LAST L	OST TIME ACCIDENT		
	_ T*	DRILLING ASSE	MBLY	MT	RECORD			MUD RECO	ORD	T	FOO	OTAGE.	00.	CORE		FORM	ATION				PUMP HO.		MP NO. METH	u		DAY TO	UR A		.P.M.
TEST	⊣ I	STANDS D.P.		BIT NO.	T	THE					FROM	10	DR.	CORE	40	(RHOA COME			BPE 100	PRESS	HEE LP	W BEE	20 A 180	CREW	SOC. SEC	ac. NO.	NAME		HRS.
		SHOLES D.P.	PT.		+	VEIG	_	_									P							DRILLER	911				
	-11	D.C.		arg.		VISC	-sec	_				W-		, -										DRKMAH		1	Is who	mas	80
DELTING	-1 L	I.D. O.D.	FT.			74.	ec.	\neg								-	-				-			MTRMAN			James 2		8
is teas	-I [9.C.			0.	PLTI	. ox.				VIATION ECCEP	DEPT	тн	DEY.	DIRECTION	DE	РТН	DEV.	DIRECTION	DEF	TH.	DEV.	DIRECTION	FIREMAN		1	Milley 16	heault	8
100	- 5 -	1.0. 0.0.	FT.	MOZZLE		PH						LOG	ELAPSED							1				FLRMAN			7		17
INCHALL.	-151-	BOOT O.D.	PT.	SER. HG.		50 H	. 5			P	TIME	TO	TIME	DETAR	LS OF OPERATION	OHS IN SEQUI	ENCE AND RE	MARKS						FLRMAN					
TOPOL.	-14	STR. HODY O.D. RMR. HODY O.D.		DEPTH OUT		PRES	SURE				-			+			Y							FLRMAN.				1 1	,
TIME SUMMARY	\dashv 1	900Y 0.0.	FI.	DEP TH IN							-				100														
OFFICE USE CHLTI	11	BIT OR C.B.	FT.	TOTAL FTG.		-	MID	& CHEMICAL	TEPE	ANT.	-	-		+		ja .	1												
	11	an on ca.		TOTAL HE. RUN					777						-					-									
111	-1 F	KELLY GOWN	PT.	COND. OF BIT																				-	201				
BY		TOTAL	FT.	REAMER HO.								_								7				1	-		_		
		OF STRING		PEANER TYPE		DEIL	LER	***			-		-					-	-					HO. OF DAY	S SI	INCE LAST	LUST TIME ACCIDENT		
1.	H	DRILLING ASSE	#BLY	BIT	RECORD			MUD RECO	ORD		FOO	OTAGE	D0-1	CORR 100.		FORM	HOITA		-	00 POMP IT PRESS	FUMP NO		MP NO. MET	HOD IN		EVENB	IG TOUR / P	W/2/-	-P.M.
		STANDS D.P.	PT.	BIT NO.	Þ	Test	1/	:00			FROM	10	CORE	E 100.	-	(SHOW CORE	RECOVERY		Kiru 1	PRESS No.	SEE S.P.	A PER	EP.E. PAR'	CREW	SOC. SE	EC. NO.	NAME		HRS.
		SHOLES D.P.	Ft.	NIE	15%	VBC	нт		4		0	46			1/1/2	1				200				DRILLER			ND	Honese	8
rott		D.C.		MFG.		visc	.sec //	0							- 1				\perp			_		DRKMAN			Q Dust	Man.	8
E LINE RECORD	7 1	I.B. O.D.		TYPE	12	V.L.			1					1	12,100	-				_				MTRMAH	-		Que Wel	1.0	8
		1		HOZZLE	0.	PLT	. cx		-	DE	HONTARY	PEPT	н	DEV.	DIRECTION	DE	PTH	DEV.	DIRECTION	049	- tie	pev.	DIRECTION	- FIREMAN			P. P.		9
. sat /	- 3	1.0. O.D.	n.	M	200	, PH					TIME	LOS	ELAPSES TIME	- Laboria	LS OF OPERATI		WOR AND DE	HARVE COL	- Constant		- 1			FLRMAN			, , ,		
ED	1	STE. BOOF O.D. STE. BOOF O.D.	PT.	SER. HD.	the .	80 m		100	1.	-	1004	/ 10	TIME	-	Cau .	OUS IN SEAR	2.2	//		1				FLRMAN	1			7.1	
rr	181	ROOT G.D.		DEPTH OUT		PRES	EHT-	-11-	1	7	00.	h	11	11	My.	11/1	HALL		-			10,183		PLRMAN		ì			
ENGTH		Wes O.D.		DEPTH IN	0					17	20	100	21	6	1 00	1 //	-			- 37	. 300	Marco.	77300	92	100		11 - 10-	.31	
TRIPS CUT		SIT OR C.A.	FY.	TOTAL FIG.		7	MUD IFE	AMT.	TYPE	MIT. TO	00	There	21	18	2 62	122	1/2	0 5	1 62	-		divise	11 2	277		45.	1 2 2 2	FIX (25)	
Fairs		-	PT.	TOTAL HE, BUH		7	10.	1701				1		10	7.15	100			1	1		- 1	N. Y. A.		0	1380		100	11.77
	1 -		FT.	COMB. OF BIT		100	× "			11 110		500	70	1530		21.7		1 84		100	Party.	14 -15	12 5	1	4	100		Su-	8
TE HEL	-11	KELLY DOWN	Pt	OUTER D1 051																									

Nº 873			U																		
TOR	DAILY DRIL	LING REPORT	REPORT NO.	DAIL																	
Antono Wil	p:		The second second	4	WELL NO). FIELD O	OR DIST.			COUNTY			STATE	1/-	_		DRILLING CE	EW PAYROLL D	DATA		
ACTOR	ce	816 HG	Tudintons () X DELL PIPE TOOL STRING JOHT		PUMPS	_			SIZE M	MAKE ST. & GR	m m	ET REB. TO		La	REMAS		,	. 26-		_	
TH AMERICAN DR	ILLING		HD. SIZE	NO. MANUFACTURER	ruers	TYPE &	TROKE LA	AST -	SILE N	MAR. W1. & GR	HO. PE	ET REB. TO CSG. HD.	3E1 A1	9	REMAN	KKS .	DATE 400	7 .	Man .	JA Monday	10 8
URE OF OPERATOR'S REPRESENT			OHTRACTOR'S TOOL PUSHER	1.	-		CA	SING	-		-						WELL HAME	Ladul			
	1		OHIRACION'S TOUCH POWER	1.				LINER			-						COMPANY	10 struct	ora co	at ce	
100	Z			1.													TOOL PUSHE	R			RIG NO
E DISTRIBUTION-HOURS	H0	DRILLING ASSEABLY	BIT RECORD	NUD RECORD		F00	TAGE	98.4 688.4	ORE NO.	FORM.	ATION	ROTARY BIT	PUMP	PUMP NO.	PL	UMP NO. METHO			MORNING TOL	JRP.M	A.M.
MORN DAY EVE	4 1-	STANDS D.P.	FT. SIT HG.	THE		FROM	то	COSE.,C	NO.	(SHOW CORE	RECOVERT)	, APM 1000	# PRESS	SIZE LP	M. SIZE	ER S.P.M. SGL	CREW	SOC. SEC. I	NO.	NAME	HRS.
en .	41	SINGLES D.P.	FT. SIZE	WEIGHT		\vdash	-	+	-				-		-	+	DRILLER		1	chardand	12
ACTUAL	-11		MFG.	VISCSEC			-	1	-				-		-	+	DRIKMAN			some Sunders	
MING AUD	11	D,C,	FT. TYPE	W.LC.C.	-		DEPTH	DEV	7 700	естон Г по	PTH DEV.	ривестия	-	PTR	DEV.	DIRECTION	MTRHAN		60	"14 Sindall	
ATING	-1.1	I.D. O.D.	ST HOZZLE	PLTR. CK.		RECORD	DEPTH	-		C.IIII	100.	SHECTION	-		DE-1	- Chape III	PIREMAN		1	les Landry	12
e eig	1 1	STB. BODY 0,0.	SIZE	PH SQ.	-	FROM I	70	LAPIED I	DETAILS OF O	OPERATIONS IN SEQUI	ENCE AND REMARKS			-			FLRMAN		0		
SURVEY	3	STB. BODY G.D.	SER. NO.	CONT. N	-	-											FLRMAN				\rightarrow
	190	BODY C.D. RMR. BODY C.D.	DEP TH QUT	PRESSURE GRADIENT	-	-											FLRMAN				-
use		SUBS 0.D.	FT. DEPTH IN	MUD & CHEMICAL S AD TITPE ANT, TO	080	-				-											\rightarrow
	1 1	BIT OR C.B.	FT.	TIPE ANT. TH	MANT.	1															+
	┨ ┠┈		COMP OF SIT		-								-				1 -			-	-
	1 1	KELLY DOWN			_	-															_
ASING		TOTAL	FT. REAMER NO.	DRILLER		-							_								
м			LB1. REAMER TYPE			-						-	-	-	_	METHO	HO, OF DAYS			TIME ACCIDENT	
M TEST	NO	AT END OF TOUR	BIT RECORD	AUD RECORD		_	TAGE	200.0	CORE NO.	FORM (SHOW CORE	ATION	ROTARY BIT	Page	LINER LA			1		DAY TOUR_	A.M	Р,м,
	1 –	STANDS D.P.	FT. BIT HO.	TIME		FROM	то	CORE_C	-	(201		1900	* 1	191 13	a. 102	E LPA PART		SOC. SEC.	NO.	HAME	HRS.
	1 H	SHOLES D.P.	Ft. Size	VEIGHT		_	1	+ +	_				+		+		DRILLER			1 - 1.6	-
RFORATING	11	10. 00.	MFG.	VISCSEC	-	-	_								+		DREMAN		13	E Elionas	0 12
BING TRIPS		D.C.	PT. TYPE HO.	W.L-C.C.		DEMATION	DEPTH	DEV	, DIR	ection of	PTH DEV.	DIRECTION	De	SPTH .	DEV.	DIRECTION	MTRMAN		1	anier Zuille	1100 10
ABBIHE	1.1	1.0. 0.0.	PT. HOZZLE SZE	PLTE. CX.	+	RECORD								1			FIREMAN		M	selly Rhend	1 /2
ESTING	-181	STB. BOOT O.D.	FT. SER, NO.	Ber. s	_	FROM THE L	10	TIME	DETAILS OF	OPERATIONS IN SEQU	ENCE AND REMARKS						FLRMAN				-
OUTHORAL	3	NOST O.D.	PT. DEPTH OUT	SECURE	-												FLRMAN				- 1
THE STREET	4 L	ROOT O.D.	PT, DEPTHIN	GEADLERT		1											Limin				1
OFFICE USE CHLY)	11	SUBS O.D.	PT. TOTAL PTG.	TYPE ANT. TYP	pep	1-		-									-				
	11	BIT OR C.B.	PT. TOTAL HE, RIM	TIPE ANT. III	AMI.	1-		-							-		-				
,	1 1	KILLY DOWN	FE. COMD. OF BIT														1				\neg
OSY		TOTAL .	FE. SEASER NO.											_ min			4				
-	97.0	F178340	LES. REAMER TYPE	DRELER													NO. OF DAYS.	SINC	E LAST LOST	TIME ACCIDENT	
	HQ.	DRILLING ASSEMBLY AT END OF YOUR	BIT RECORD	WUD RECORD		FOO	TAGE	10-0 C	net	FORM	ATION	BOTARY WI.		PUMP HO	PI	UMP NO. METHO			EVENING TO	UR PM	PH
		STANDS D.P.	FT. BIT NO.	TME		FRON	70	CORELC	×0.	(SHEW CORE		SOTARY WY.	PRESS	LINER S.P	LINE SIZI	ER S.P.M. SGL. S FAR'EL COM'D	CREW	SOC. SEC.		HAME	HRS.
		SINGLES D.P.	FT. SIZE	WEIGHT													DRILLER		0)	197 4	. 12
IT FORE		D.C.	MFG.	VISCSEC													DRKMAN		P	1 200	12
TIRE LINE RECORD	1 I	LD. O.D.	FT. TIPE	WL-CC.			-	1	_								MTRMAN		- 11	W. 11. 1	0 12
	1.1		HOZZLE HO.	FLTR. CK		DEVIATION	DEPTH	DEV	. DIR	ECTION DE	DEY.	DIRECTION	Di	EPTH	DEV,	DIRECTION	FIREMAN		1/9	an The	12
HES . WES	18-	I.D. O.D. STB. BODY O.D.	SIZE	PM		TIME	LDE E	ELAPSED TIME		OPERATIONS IN SEQU		1			_		FLRMAN				
PPED	Ĭ	STE. G.O.	FT. SER. NO.	86iet. s.		/ CON	10	TIME						-			FLRMAN				
TOPP	13	RME, DOOY O.D.	DEPTH OUT	PRESSURE GRADIENT		6.00		1	11990	97	le rela		-	4.01.0	M.		FLRMAN				
LENGTH	1	WES . O.D.	PT. DEPTH IN						-	- Carrie	- July						-				
OR TRIPS		MTORCA.	PT. TOTAL PTG.	TOPE AMT, TYP	E MT.					The state				1			1				
H TRIPS	1 _		PT. TOTAL HR. RIM				1 -1.										-				
ATS UB TIVE IS HEL		RELLY DOWN	FT. COND. OF BIT FT. REAMER NO.														-				

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duboro all	Co. sal wi	!!	WELL NO	J. PIELD	OR DIST.	-		COUNTY	nue	lelek	STAT	Dud	100	DRILLING CREWP		
roe	RIG NO.	DRILL PIPE TOOL STRING JOINT	O.D. PUMPS			-	SIZE	MAKE WT. & GR.	NO.		TO SET AT	T. Comment	EMARICS	DATE 6 2	25.63	Nº 872
H AMERICAN DRILLE	NG COMPANY 4	HO. SIZE	HO. MAMUFACTURER	TYPE		AST	-		Jenus			Ash I .		WELL HAME & NO.		012
OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF COM	HTRACTOR'S TOOL PUSHER	1.		TU	JBING LINER							-	COMPANY 7	Legions	
1.20	2		3.		- OK	LINER								TOOL PUSHER		RIGHO, 4
DISTRIBUTION-HOURS	HO. DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	FC	OTAGE	DR.,D RM. R	CORE	FORMA	TION	ROTARY	WT. ON PUMP	PU=P NO.	PUMP NO. METHOD RUN		MORNING TOUR P.M.	A.N.
MORN DAY EVE		FT. BIT NO.	TIME	FROM	то	COREC	NO.	(SHOW CORE R	ECOVERY)	RPM	1000 # PRESS	LINER S.P.M.	SIZE S,P.M. SGLS SIZE S,P.M. PAR'EL-P COM'D-C	CREW S	SOC SEC. NO. NAME	HRS.
(3	SINGLES D.P.	FT. SIZE	WEIGHT	-		+								DRILLER	a Clayelan	
ACTURE -	I.D. Q.D.	FT. TYPE	VISCSEC W.LC.C.	-	-		-						+	DRKMAN	Stom Son ker	
ING MUD	D,C,	NO.	PLTR. CK.	DEVIATION	DEPTH	DEV	,	DIRECTION DEP	TH D	EV. DIRECTI	ON 9	SPTH DEV	v. DIRECTION	MTRMAN	Wall Side	1
114		FT. HOZZLE SIZE	PH	RECORD										FLRMAN	July Tunkry	pa 16
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¥	BODY O.D. I	PT. DEPTH IN		-			1		-				<i>y</i>		an .	
INE	0.0.	TOTAL FIG.	MUD & CHEMICAL'S ADDED TYPE AMT. TYPE AMT.	1					-			71		1	Marine and the second s	
	BIT OR C.B.	FT. TOTAL HR. RUM				-									a second	-
	KELLY DOWN	FT. COND. OF BIT												1		
ASING NG	TOTAL	FT. REAMER NO.													Marie	1
NG N		BS. REAMER TYPE	PRILLER		LL									NO. OF DAYS	SINCE LAST LOST TIME ACCIDENT	
M TEST	NO. DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	FC	OCTAGE	DR.D RMLR	CORE	FORMA	TION	ROTARY	WT. GH PUMP	PUMP NO.	PUMP NO. METHOD RUN	:	DAY TOUR A.M.	P.M.
		FT. BIT NO.	TIME	FROM	TO	CORE_C	NO.	(SHOW CORE R	ECDVERT)	RPW	BAT PRESS	LINER SIZE S.P.M.	SIZE S.P.M. PARTLE	CREW S	SOC. SEC. NO. HAME	HRS.
	SINGLES D.P.	FT. SIZE	WEIGHT	-	-	-	-			- 1				DRILLER		
FORATING		MFG.	VISCSEC	-	ļ.	++	-							DREMAN	Is Thomas	
ING TRPS	D.C.	FT. TYPE NO.	W.LC.C.	DEVIATION	DEPTH	DEV	v.	DIRECTION DEP	TH D	EV. DIRECT	юм р	EPTH DEV	. DIRECTION	MTRMAN	James Inel	lan #4 16
BING	I.D. 0,D.	FT. HOZZLE SIZE	FLTR. CK.	RECORD								- 4		FLRMAN		
TING P	STB. BODY G.D.	FT. SER. NO.	CONT. N	FROM	106 E	TIME	DETAILS	OF OPERATIONS IN SEQUE	CE AND REMA	RKS		11		FLRHAN	ethe et e	
NITIONAL &	STB. BODY C.D. RMR.	PT. DEPTH OUT	PRESSURE GRADIENT	1										FLRMAN-	AVIS	s
TIME SUMMARY	BODY O.D.	PT. DEPTH IN													La qualité technique inféri	eure du microtim
DPPICE USE ONL TI	SIT OR C.B.	TOTAL FTG.	TYPE AMY, TYPE AMT,			_	_								est inhérente au docur Service de la Géoir	nformation
		FT. TOTAL HR. RUN													et ne peut être	ecuitos
		FT. COND. OF BIT										- 1			Signature al Antieu	84-02.02
BY		FT. REAMER NO.														. 4 .= "
		BS. REAMER TYPE	DRILLER	-		,								NO. OF DAYS	SINCE LAST LOST TIME ACCIDENT	
	AT END OF TOUR	BIT RECORD	#UD RECORD	-	OOTAGE	ROM-RC	ORE NO.	FORMA'	FOOVERY)	ROTARY	BIT PRESS	PUMP HO.	PUMP NO. METHOD RUN		EVENING TOUR P.M.	P.H.
		FT. BIT NO.	TIME	FROM	то	CORE_C	-	(2000)		-	1000#	LINER S.P.M.	SIZE S.P.H. SQL-S COMP.C	CREW	SOC. SEC. NO. NAME	HRS.
Y WORK	D.C.	FT. WZE	WEIGHT	-		+	-+-				-			DRILLER	H. Holling	F4 16
RE LINE RECORD	I.D. O.B.	MFG. FY. TYPE	VISCSEC W.LC.C.											DRKMAN	Par Coll	C. F. 11.
No care record	D.C.	H6.	FLTR. CK	DEVIATION	рерти	DEY	v	DIRECTION DEP	тн о	EV. DIRECT	ION D	EPTH DE	y. DIRECTION	FIREMAN	1 Jan Agella	19 16
IES SIZE 2		FT. HOZZLE SIZE	PN	RECORD										FLRNAN	The Tena	- 1º9 / C
FED 2	57B. B00Y 0.B. 57B. 0.D.	FT. SER. NO.	Sher. s	FROM	то	- mag		OF OPERATIONS IN SEQUE	ICE AND REMA	RKS				FLRHAM		
OFF	RMR.	DEPTH OUT	PRESSURE GRADIENT	_			m	coming 1	Leg	+ 1	19:	-	-	FLRMAN	Ministère de l'Énergie et	des Ressource
LENGTH	CIEC	DEPTH (M]					1		1				Gouvernement de Onébec	
TRIPS		FY. TOTAL FTG.	TYPE AMT. TYPE AMT.									3.0			Decumentation Technique	4
VE TRIPS		FT. TOTAL HR. RUN										-100	338	1	DATE	
YS.		PT. COND. OF BIT		1										1	M. CM. 1959	
YS D VE HRS.		FT. REAMER NO.		-										1	N. CM:	

No DATE 7-1-63 FIELD OR DIST. DRILLING CREW PAYROLL DATA Luebec Mirolet FEET RKB. TO SET AT NORTH AMERICAN DRILLING COMPANY VELL HAME & NO. Laduboro (& Sifestite) TYPE STROKE LAST CASING MANUFACTURES 15013 12 Hatronal Tadaboro al co OR LINER 236 BIT RECORD TIME DISTRIBUTION HOUSE FORMATION (SHOW CORE RECOVERY) DEN DAY EVE 168 PT. MTMG. SOC. SEC. HO. STANDS D.P. THE CREW 345 570 D SINGLES D.P. 821 WEIGHT 9:4 746463 DRILLING ACTUAL HTP. VISC .- LEC V.L.-C.C. WILH Siddall 8 REAMING 0503 **HTEMAN** DEV. DEV. pev. DEPTH WELLY Pheanlet 8 CONDITIONING MUD & CIRCULATING FLTR. CK. FIREMAN HOZZILE FROM TO TIME DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS SD. CONT. % LUBRICATE RIG FLENAM SER. NO. 830 13:00 2 15 24 Daly & CONN 2.15 3:00 TH REPAIR ROTORY Chain DEVIATION SURVEY DEPTH OUT PLENAN TEST B.O.P. DEP TH IN 300 800 5 Ang & CONN CUT OFF DRILLING LINE TOTAL FTG. MT OR C.S. REPAIR RIG 2/1/2 TOTAL HR. BUN COHO, OF BIT WIRE LINE LOGGING RUNNING CASING & CEMENTING WAITING ON CEMENT KELLY DOWN TOTAL 570 FT. REALER HO. 55 00 LES REAMER TYPE .07378140 a Clevelanh HD. OF DAYS_ SINCE LAST LOST TIME ACCIDENT DRILLING ASSEABLY AT END OF YOUR PORP NO. PURP NO. SETHOS SUM PARTIES UP 17-14. SEE 17-14. PARTIES PARTIES 18-14. AUD RECORD DAY TOUR 2:00 AN 4:00 PM DRILL STEM TEST 4 STANDS D.P. CREW FT. BIT NO. TIME SIND 570 810 WEIGHT 9.3 60 35 600 74 8 SINGLES D.P. FT. SIZE 574 VISC.-SEC 136 61%0 A. PERFORATINE 363' FT. TYPE *L-CC/ -8 MTRMAR 8. TUBING TRIPS DEPTH DEV. DEV. DIRECTION FLTR.OX. MOZZLE TIME DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS D. TESTING PT. SER. HO. CONT. % FLRAM 14 Grance - CHER FOO CON OUT: Shope TEAT 8:00 9:00 FT. DEPTH OUT 188 TOTALS 9:10 9:45 DEPTH IN DATE STREET 9:45 11:30 TOTAL FTG. 19 Transon Draw Werner Barre. DAY WORK 11:30 17:00 FT. TOTAL HR. RUN 12:004:00 HRS. W/DP FT. COND. OF BIT HRS. WO/DP FT. REAMER HO. TOTAL HRS. STANDBY LBS. REAMER TYPE HO. OF DATS SINCE LAST LOST TIME ACCIDENT WT. OF STRING & 5 PACE DRILLING ASSEMBLY BIT RECORD MUD RECORD FOOTAGE D CORE PUMP NO. PUMP NO. EVENING TOUR / GE PA /2.66 PM FORMATION (SHOW CORE RECOVERY) ROTARY WT. OH PUMP RPM BIT PRESS PUMP NO. RUN
LINER S.P.M. LIER S.P.M. SGL.S.SIZE S.P.M. MZE S.P.M. COM'D-C FROM TO 7 # FT: BIT NO. STANDS D.P. FT. SIZE WEIGHT 4. 8 DRILLER TOTAL DAY WORK 28 1 PT TYPE WIRE LINE RECORD WALES. DEY. DIRECTION DEV. DIRECTION DEPTH DEPTH FLTE, CE MOZZLE NO. OF LINES FLRHAM STB. BODY O.D. STB. BODY O.D. DETAILS OF OPERATIONS IN SEQUENCE AND REMARK FT. SER. HO. 86HT, # 163 FLRMAN FEET SLIPPED FLRMAN PERT CUT OFF DEPTH OUT PRESENT LENGTH DEPTH IN est inhérante au document fourni au Service de la Géoinformation TON INL OR TRIPS SINCE LAST OUT TOTAL FTG. BIT OR C.B. et ne peut être rectifiée -01.02 TOTAL HR. RUN JARTEAU FT. COND. OF BIT KELLY DOWN TOTAL // FT. REMER NO. COFSTRING 50 000 VESS REAMER TYPE NO. OF DAYS SINCE LAST LOST TIME ACCIDENT PRINTED IN U.S.A. APPROVED GM-1959 APPROVED A.A.O.D.C--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

Leteles cia nivelet # 1 Ladistoro Oil Co Ltd -MT. & GR. HO. FERT CHE TO SET AT NORTH AMERICAN PRILLING COMPANY BIT RECORD Jack Schinger 10 Harry Clarker 12 FT. TYPE ML-CC DEV. DEPTH M TOTAL FTG. TOTAL HEL HUN KELLY DOWN AUD RECORD SÍNGLES D.P. PT. SEE PT. TIPE TL.-CC DIRECTION DEPTH DEV. DIRECTION DEFTE DAY, S FLTR. CK. MOTELE TOTAL PTG. TOTAL HR. RUN COMD. OF BIT REAMER NO. LEL REAMER TYPE FT. BIT NO. STAMES O.P. PT. NZE Berne Dugt 12 TOTAL DAY WORK PT. TYPE HOZZLE PRET IL PPED inistère de l'Énergie et des R ouvernement du Québec PEET CUT OFF TOTAL PEG. 1959 PRINTED IN U.S.A. APPROVED A.A.O.D.C -- A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

Nº 5414 O		
DAILY DRILLING REPORT REPORT NO. ##/	and - 2-Li	
Ladubor Oil Co Stal Ladubor Q16.	LAND MAN PROPERTY OF THE PARTY	enting may reprout more
CONTRACTOR RIG NO. DRILL PIPE TOOL STRING JOINT		1 1 1 Nº 5414
NORTH AMERICAN DRILLING COMPANY NO. MARE TYPE THO. SHONATURE OF CONTRACT OF 3 TOOL PUBLIC R.	NO. MANUFACTURER TYPE STRIKE LENGT CASHO TURNO TURNO	WILL MAN & MO Calebra Ci a # 1 N. 3414
Callochusie B. B.	2. OR CINES	TOOL PUSHIS AND RIS NO. 64
TIME DISTRIBUTION-HOURS NO. DRILLING ASSEMBLY BIT RECORD	AUD RECORD FOOTAGE: DR.D. CORE FORMATION ROTARY TO CORE RECOVERY) RATE CORE S.P.R. LINER S.P.R.	MORNING TOUR P.M. A.M.
RIGUPS ON EVE STANDS O.P. FT. BYT NO. RIGUPS OF FT. SIZE	THE 9 4 11.50 FROM 10 CORA.C B. GROWN CORE RECOVERY 1000/F WAS SEEN S.F. FROM SEE S.F. SEE S.F. FROM SEE SEEN SEE S.F. FROM SEE S.F. FROM SEE S.F. FROM SEE SEEN SEE S.F. FROM SEE SEEN SEE S.F. FROM SEE SEE S.F. FROM SEE SEEN SEE S.F. FROM SEE SEE SEE SEE SEE SEE SEE SEE SEE SE	DRILLER LOCK School HAME HES.
DRILLING ACTUAL D.C. MFG.	visc-sec 27 - 77	DRELLAM J. E. though 1/4
E E ALMON 1,00 O,00 FT. TYPE	PLTR.CK DEVIATION DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION	PREMAIN Line Genine 16
TRIPS STR. STR. SIZE	PH SEON SAME SAME SAME SAME SAME SAME SAME SAME	FLEMAN
LUBRICATE RIG 9 SOLD 91. SER. NO. DEVIATION SURVEY 8 SOLD 9.D. FT. DEPTH OUT	Brillian met celler the stall men time + land	FLEMAN PLEMAN
TEST B.O.P. 2 SURS DEPTH IN	un pupp sa	
CUT OFF DRILLING LINE TOTAL FTC. REPAIR RIG STY TOTAL HE RINK	TYPE ANT. TYPE ANT.	
CORING COND. OF MY		
WIRE LINE LOGONG TOTAL T, RUNGING CARING TOTAL T, RUNGING CARING T, OF TRIME LES, REAMER TYPE	DHILLER J. Selli- 1987	MO, OF BAYS. SINCE LAST FINE ACCIDENT
CEMENT NO. DRILLING ASSEMBLY BIT RECORD	MUD RECORD FOOTAGE DR.D. CORE FORMATION SOTARY VT. ON SHIP FUMP NO. PUMP NO. BIRM	DAY TOUR A.M. P.M.
OTHER STANDS O.F. FT. BIT NO.	TIME FROM TO CORE_C FORMATION ROTARY TO FROM TO CORE_C FORMATION ROTARY TO FROM TO CORE_C FORMATION ROTARY TO FROM TO FROM TO FAMILY FROM TO FAMILY FROM TO FAMILY FROM TO FAMILY FROM THE SAME SAME SAME SAME SAME TO FAMILY FROM THE SAME SAME SAME SAME SAME SAME SAME SAM	CREW SOC SEC. NO. NAME NES.
PISHING SURGLES D.P. FT. SIZE D.C. MFG.	PEIGHT VISC_18EC	DRICLER DRICHM
A TUBER TRPS D.C.	WALL-CC. DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION	MTEMAN
C. TRAMBONO B L.O. O.D. PT. HOZZLE SIZE	F-17E CK BUSTALTON BECOME	FIRMAN
0. TETTING 2 2 3TR. SOLV O.D. PT. SER. NO. 2 3TR. SOLV O.D. PT. SER.	DETAILS OF CHANGE IN COMMINGS AND COMMINGS	PLEMAN AVIS
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THE SUBMANY SUBS. D.D. FT. DAY WORK SIT OR C.S. FT.	MIND 6 CHEMICALS ADDED TYPS AUT. TYPE AMT.	Service de la Géoinformation et na peut être rectifiée
HRS. W/OP PT, TOTAL HR, RUM		Signature 84.02.02
NES. VO/OP KELLY DOWN FT. COMD, OF BIT RES. STANDSY TOTAL FT. REAMER NO.		
WT. OF STRING NO. DRILLING ASSEMBLY BIT RECORD	DRILLER NUD RECORD FOOTAGE 05-0 BOOLATION STORY PUMP NO.	MO, OF DAYS SINCE LAST LOST TIME ACCIDENT
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SINCLES D.P. FT. SIZE TOTAL DAY FORK	NBCHT 8.1 9.7	DRILLER Donall Books 12
THE LINE RECORD 1.D. O.D. PT. TYPE	VISC. 523 33	Bernie Joupe 12
REEL NO. D.C. PT. MOZELE NO.	FLTR. CK DEPTATION DEPTA DEV. DIRECTION DEPTA DEV. DIRECTION DEPTA DEV. DIRECTION	FIREMAN Jules Landry 12
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PHET CUT OFF BODY Q.D. FT.	CREATED IN 10 10 10 10 10 10 10 10 10 10 10 10 10	Ministère de l'Énergie et des Resources
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NORTH AMERICAN DRILLING COMPANY 4	DESILE PER TOOL D.D. PLAFT D.D.	TYPE \$10018 LAST CAMPO 1 1 0 1 6 CA 20 1 1 CA 20 1 1 CA 20 1 C	DATE Dec3-63 WELL NOW END FARING EIGHT Nº 5415
SONATURE OF OF STATE SERVICE STATE SERVICE OF CONT.	TACTOR FOOL POWER 1	1000 to 1,000	COMPANY fachilors ail co flid
THE DISTRIBUTION HOURS HO. DRILLING ASSERDLY	BIT RECORD AUD RECORD	POUTAGE SA. COME POSSATION STATE ST. COME PLAN NO. PLAN NO. PLAN NO. SAME SAME SAME SAME SAME SAME SAME SAME	TOOL PUSHER BOY TOWN TO PAR BOY AM
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BILLING ACTUAL D.C. I.D. O.B. PT	ura visc. sec 2 y 15 49		SERVICE STATE STAT
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E. Primer Part Lin. Gal. FT	T THE BLCC	DEPTH DEV, DATECTION DEPTH SEY DESCRIPTION DEFT DESCRIPTION	PERSONAL STEELS
E C. (Makes) 4 10. 68. PT	K HOZZLE SZE PH	TOOLOG BLOOK	PERMAN TANAN
B E ADDITIONAL S STORY O.B. FT	T. SEE NO. CONT. S T. DEFTH OUT PRODUCT	8'00 4'00 Connel. Must + The Pite	PLEASE A VIS
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pay work set on Ca.	TOTAL PIG. 1718 MIT ANT. 1718 ANT. 1		Service de la Géoinformation et ne pout être reptifice
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MES. STANSON STANSON LES			NO. OF DAYS SINCE LAST LOST TIME ACCIDENT
HO, DRILLING ASSAULT AT 188 OF TOWN	SIT RECURD SUD RECORD	FOOTAGE No. CORE FORMATION STREET FIRST PRINT NO. PLAN NO	EVENING TOOK PA PA
SHOLES D.F. FT			DRILER SOCIECIO. MANE ME. SOCIETA SOCI
TOTAL SAT YORK	urc 100 39 39 1/-		Bernie Borge 16
100 to 10	MIZINE MICHAEL CK	DEVIATION DAPTH SEY, DESCRICE DEPTH SEY, DESCRICE DEPTH SEY, DESCRICE	PHEMAN Pules Landry 10
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PERSONTLEMENT SON G.A. PT.	DEPTH IN		PLEMAN Ministère de l'Énergie et des Ressources Couvernement du Québec Documentation Technique
TON MA, OF TREES O.A. PT SECOND CO.A. PT S	TOTAL PTG. TYPE MY. TYPE MY.	6 30 1200 Mais on Daylight to Kill well During	Documentation Technique
FRANK ATOM FT	, 'Comp. of set		Max 1959
	PENER TYPE DESCRIPTION OF BONLING		MO. OF DAYS SINCE LAST LOST TIME ACCIDENT
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Nº 5416 WY. & GR. MO. PERT REB. TO SET AT NORTH AMERICAN DRILLING COMPANY TYPE ROTARY STY ON PUMP PERM LINE SIZE S.P.M. METHON RUM
RPM 1000 FREM LINE S.P.M. SIZE S.P.M. PARTL BIT RECORD MORNING TOUR 12 on P.M. Qoo 1:30 4:30 7:00 RIGUP& TEAR DOWN SINGLES D.P D.C. VEIGHT 10.4 10.8 10.9 DRILLER VISC.-SEC 41 41 PT. TYPE CONDITIONING MUD & CIRCULATING FT. HOZZLE LUBRICATE RIG in pile + meeting on day flet to fell west PT. DEPTH IN CUT OFF TOTAL FTG. FT. TOTAL HR. RUN FT. COMD. OF SET KELLY DOW TOTAL DRILLER JAL SILLER DAY TOUR 8: dro AM 440 PM DRILL STEM TEST FT. BTNO. - . IFG. VISC -SEC FT. TYPE W.L.-C.C. e. TUE - TAR FLTR. CK HOZZLE DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

MARGINERIS OF TO HALL WELL FT. SER. NO. FT. DEPTH OUT DEPTH IM Cer + premped 11 mad - Spotter Coment play 3 904 to 4144 TO AL FTG. BIT OR C.B. FT. TOTAL HR. RIM MRS. W/DP FT. COND. OF BIT KELLY DOW HRS. WO/DP TOTAL PT REAMER NO. HRS. STANDBY LRS. DELMER TYPE DRILLER FOOTAGE LINER S.P.M. LINER S.P.M. PAR'EL-SIZE STANDS D.P. FT. BIT NO. FT. SIZE SINGLES D.P DRILLER FT. TYPE M.L.-C.C. WIRE LINE RECORD DEPTH DEV. DEV. DIRECTION DIRECTION Ministère de l'Énergie et des Re Gouvertement du Québec FLTR. CK MOZZLE I.D. Q. FLRMAH NO, OF LINES BHT. % Decumentation Technique FEET SLIPPED SER. NO. PEET CUT OFF DEPTH OUT DEPTH IN TOM ML OR TRIPS TOTAL PTG. TERRING NOWN GETTING / TERROY TO MOVE TOTAL HE RUH COND, OF SIT TOTAL FT. REAMER NO. DRILLER LOS REAMER TYPE SINCE LAST LOST TIME ACCIDENT

A.A.O.D.C .- A.P.I. OFFICIAL DAILY DRILLING REPORT FORM