

Drilling Authority No. 484
Date issued 24 December 1970

WELL NAME: Horn R Gulf Am Moss Berry Island A-42
FIELD: Area:
LOCATION: Unit: A Section: 42 Grid: 62-30-123-00
Latitude: 62-21-04 Longitude: 123-07-43
U.W.L.R.: 62.35111 --- 123.12861
U.W.I.: 3004126230123000

Rig Release Date:
Status:
Information Release Date:

CHANGE OF NAME:

DATE RECEIVED	INDEX
24-12-70	Application for a Drilling Authority. Well Completion Data. Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
23/3/71	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well. Well History Supplement. Well Completion Data. Work-over Report No.
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells - Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells - Vitter's Method.
	M.P.R. - Oil - Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report Logs. Large scale..... Small scale.....



File No. 484
Drilling Authority No.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application to Abandon a Well or ~~Suspend~~ Drilling

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made for approval to abandon, to suspend drilling:

Name and number of well Horn R Gulf Amhess Berry Island A-42
Location: Unit A Section 42 Grid 62° 30' N. Lat. 123° W. Long.
Latitude 62° 21' 04" Longitude 123° 07' 43"
From Established Reference Marker
Universal Well Location Reference Lat. 61.35111° N, Long. 123.12861° W
Permit No. 5371 Lease No.

Gulf Oil Canada Ltd. & Amerada Hess
(Permitter, Lessee, Lessee) Corporation

Date of commencement of proposed program

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at Nil
Gas at Nil
Water at DST 1 4795 to 4890
Total Depth 6000
Present conditions of well Dry and abandoned
Date of last operations Rig released March 12/71
4:45 A.M.

CASING RECORD

Casing Size (O.D. Inches)	Weight	Amount	Set At	Series of Cement and Additives	Amount Pulled
1. 8-5/8	24#	635	617.45KB	350 sacks + 2% CaCl ₂	Nil
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1.	6000' - 4740'	Manitoe, Nahanni, Fault Arnica, Manitoe	320 + 4% Gel	
2.	667' - 567'	at shoe of surface casing	45 sacks + 3% CaCl ₂	top at 555.
3.	At surface		5 sacks	
Cut casing off 3 feet below ground. Weld on plate and rod with well marker.				

The following logs have been run IES, BHGSC, Dipmeter, Velocity, Directional Survey
Other operations proposed Nil

Operations to be carried out by Petrolia Oilwell Drilling Contractor Licence No. 957
Address Box 382, Fort Simpson N.W.T. Address
Responsible Agent in field Bud Coleman
Dated at Calgary, this 19 Day of March 19 71
Signed by *Bud Coleman* Company Horn River Resources Ltd.
Title President Operator's Exploratory Licence No. 1785

Note:—The Oil Conservation Engineer's office must be notified before work is commenced.

(For OIL AND MINERAL DIVISION use only)

APPROVAL

This application has been examined and proposed programme approved, subject to the following conditions:

Confirming oral approval given by Mr. G. E. Blue
on the 10th March 1971.

Dated 23rd March 19 71
Oil Conservation Engineer

LAND 52-96 (5) (2-6-69)

Forms to be submitted in triplicate to Oil Conservation Engineer,
Department of Indian Affairs and Northern Development, Calgary, Alberta.

Drilling Authority No. 484

Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

DEC 23 1970

Application for a Drilling Authority

This notice of intention to begin drilling operations, in triplicate, and where required a plan of survey approved by the Surveyor General showing the target area or the site of the well must be submitted and approved before commencing operations.

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made for approval to drill:

Name and number of well: Horn R. Gulf ^{AnHess} Berry Island A-42
Location: Unit A Section 42 Ord 62°30' N. Lat., 123° W. Long.
Latitude 62°21'04" Longitude 123°07'43"
Unique Well Identifier 300A426230123000
Universal Well Location Reference Lat. 62.35111° N., Long. 123.12861° W.
Elevation: Ground 640 K.M. 650 (est.) feet above sea-level.
Well is expected to produce from Manitou Dolomite formation at a depth of about 4700 feet. Expected total final depth 6000'
Area assigned to well

(For Oil Conservation Engineer's use only)

Permit No. 5371 Lease No. Acres 59,310
Permitter, licensee, or lessee Gulf Oil Canada Ltd. and Amerada-Hess Corporation
Exploratory License No. 1667 and 1391
Surface owned by Crown or Crown

(If different address name and address of owner and occupant.)

Petroleum and natural gas rights owned by Crown

We propose to use the following strings of casing, either cementing or landing them as indicated below:—

Casing Size O.D. (Inches)	Weight (LB./FT.)	Grade	New or Used	Estimated Depth	Depth of Cement
1. 8 5/8"	24#	J-55	New	600	300
2.					
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment Middle Devonian Carbonates
Control with B.O.P.'s - GK 10" 900 Series Hydril B.O.P.
10" 900 Series Double-gate Hydraulic Schaeffer B.O.P.

Well will be drilled with Rotary Rig No. 7 by Petrolia Oilwell Drilling Ltd.

(Drilling Contractor or company)

Responsible agent of applicant:—

At well G. Gillis

Contractor's business licence No.

Address Can. Del., Ft. Simpson

At registered office F. L. Woolley

Address 1020 Aquitaine Tower, 540 Fifth Ave. S.W.

Calgary 1, Alta.

It is understood that if changes become necessary, notice of the change of plan will be submitted.

Dated at Calgary this 22nd day of December 1970

Signed by *F. L. Woolley* Company Horn River Resources Ltd.

Title President

Operator's Licence No. 1785

(For Oil and Mineral Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:—

1. Copies of this Drilling Authority shall be exhibited at the Drilling Rig in both the Doghouse and the Drilling Foreman's Office between spud and rig release dates.
2. The Company will submit to this office, on Tuesday of each week, the latest reports

Dated 24th December 1970

Please see over page

Oil Conservation Engineer

Forms to be submitted to Oil Conservation Engineer,
Department of Indian Affairs and Northern Development, Calgary, Alberta.

Drilling Authority No. 424

Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application for a Drilling Authority

This notice of intention to begin drilling operations, in triplicate, and where required a plan of survey approved by the Surveyor General showing the target area or the site of the well must be submitted and approved before commencing operations.

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made for approval to drill—

Name and number of well **Horn R. Gulf ~~Amorad~~ Berry Island A-42**
 Location: Unit **A** Section **42** Grid **62°30' N Lat., 123° W. Long.**
 Latitude **62°21'04"** Longitude **123°07'43"**
 Unique Well Identifier **300AL26230123000**
 Universal Well Location Reference Lat. **61.91611° N.** Long. **123.02972° W.**
 Elevation: Ground **640** K.B. **650 (est.)** feet above sea-level.
 Well is expected to produce from **Manston Dolomite** formation at a depth
 of about **4700** feet. Expected total final depth **6000'**
 Area assigned to well

(The Oil Conservation Engineer's use only)

Permit No. **5371** Lease No. **59,310**
 Permittee, licensee, or lessee **Gulf Oil Canada Ltd. and Amorad-Bess Corporation**
 Exploratory Licence No. **1667 and 1351**
 Surface owned by Crown or **Crown**

(If different, submit name and address of owner and occupant.)

Petroleum and natural-gas rights owned by **Crown**

We propose to use the following strings of casing, either cementing or landing them as indicated below:—

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Shells of Cement
8 5/8"	244	J-55	New	600	300
2.					
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment **Middle Devonian Carbonates**
 Control with B.O.P.'s - **GK 10" 900 Series Hydril B.O.P.**
10" 900 Series Double-gate Hydraulic Schaeffer B.O.P.

Well will be drilled with Rotary Rig No. **7** by **Petrolia Oilwell Drilling Ltd.**
 (Drilling Contractor or company)

Responsible agent of applicant:—

At well **G. Gilis**

Contractor's Business Licence No.

Address **Gen. De'., Ft. Simpson**

At registered office **F. L. Woolley**

Address **1020 Aquitaine Tower, 540 Fifth Ave. S.W.**

Calgary 1, Alta.

It is understood that if changes become necessary, notice of the change of plan will be submitted.

Dated at **Calgary**, this **22nd** day of **December**, 19 **70**

Signed by **F. L. Woolley** Company **Horn River Resources Ltd.**

Title **President** Operator's Licence No. **1785**

(For Oil and Mineral Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:—

- Copies of this Drilling Authority shall be exhibited at the Drilling Rig in both the Doghouse and the Drilling Foreman's Office between spud and rig release dates.
- The Company will submit to this office, on Tuesday of each week, the latest reports

Dated **24th December**, 19 **70**

Please see over page

Oil Conservation Engineer

Forms to be submitted to Oil Conservation Engineer,
Department of Indian Affairs and Northern Development, Calgary, Alberta.

received by radio on the progress of the well.

3. During well drilling and testing operations, every effort shall be made to ensure that drilling fluids, chemicals and wastes shall be disposed of or contained in a manner that will prevent the contamination of adjacent vegetation and surface or sub-surface waters.
4. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.
5. Intermediate and production strings of casing are to receive the approval of the Oil Conservation Engineer.

B.H.J. Thorne

B.H.J. Thorne, Oil Conservation Engineer

GULF OIL CANADA LTD.

GEOLOGICAL PROGRAM

Proposed Wildcat: *Huron R* Gulf *Amherst* Berry Island A-42

Grid Area: 62°30' 123°00' Section 42, Unit A
Shot Point 101, Seismic Line 1

Authorized Total Depth: 6000 feet

Drilling Contractor: The well will be drilled on contract by Horn River Resources at a turnkey price of \$221,000.

Prognosis

	<u>Depth</u>	<u>Subsea</u>
Est. K.B. 650 feet		
Upper Devonian		
Fort Simpson Shale	Surface	+ 635
Jean Marie Limestone Member	1100 feet	- 450
Fort Simpson Shale	1150 feet	- 500
Middle Devonian		
Nahanni Limestone*	4300 feet	-3650
Manetoe Dolomite	4700 feet	-4050
Arnica Dolomite	4950 feet	-4300
Total Depth	6000 feet	

* Seismic event mapped as Middle Devonian is being interpreted as Nahanni Limestone. Other tops are computed from isopach values.

Coring and Testing*

Prospective Formation	Depth	Core Footage	No. of DST's **
Manetoe	4700	50	1

* Coring and testing will be done at the wellsite geologist's discretion, additional cores and tests may be taken if warranted.

** Obtain fluid sample for BENZENE ANALYSIS from each DST recovery, see attached instruction

Samples

In 10-foot intervals from surface to total depth and any additional as may be asked by the wellsite geologist.

Gulf and Partner:
Washed, dried and bottled (2 sets)

Federal Government:
Unwashed in cotton bags (1 set)

Logging

IND-ES 2 & 5 inch scales total depth to surface casing
BHC-GS-C 2 & 5 inch scales total depth to surface casing

Accommodation

A self-contained trailer for the wellsite geologist will be provided by the Horn River Resources.

W. T. Casak

Instructions to personnel taking samples at wellsite for benzene analysis are simple; in fact, a label such as shown below could be made for application to each can;

NORTHERN DIVISION (or Southern Division)
GULF OIL CANADA LIMITED

FOR BENZENE ANALYSIS ONLY

OBTAIN FLUID SAMPLE IN CLEAN BUCKET FROM
APPROXIMATELY TWO STAIRS ABOVE TESTING TOOL TO
AVOID ANY SETTLING MATERIAL. FILL THIS CONTAINER
IMMEDIATELY TO TOP USING CLEAN METAL FUNNEL -
SCREEN DOWN SNUG CAP WITH METAL FOIL INSERT.
KEEP SEALED UNTIL READY FOR ANALYSIS.

WELL NAME: _____

LOCATION: _____

D.S.T. NO. & INTERVAL: _____

FORMATION: _____

DATE: _____

SAMPLED BY: _____



Date Issued.....December...24....1970

LAND 62-90 (2) (3-70)

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

DEPT. OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
RECEIVED
JAN 12 1971
FBI - NEW YORK

To be submitted in duplicate within thirty days after the completion, rework, abandonment, recompletion or suspension of every well.

Permit No. 5371

Lease No.

Gulf Oil & Amerada Hess Lease No.
(Permittee, Licensee, Lessee) Exploratory Licence No. 1667 and 1391

Horn River Resources Ltd.
(Operator)

Exploratory Licence No.....1785

Location: Unit A Section 42 Grid 62°30' N., 123°00' W.

Latitude 62° 21' 04" N.

Longitude123°07'43" W.

Unique well identifier300A426 2301 23000

Universal Well Location Reference. Lat. 61.91611° N., Long. 123.02972° W.

[illegible][illegible]

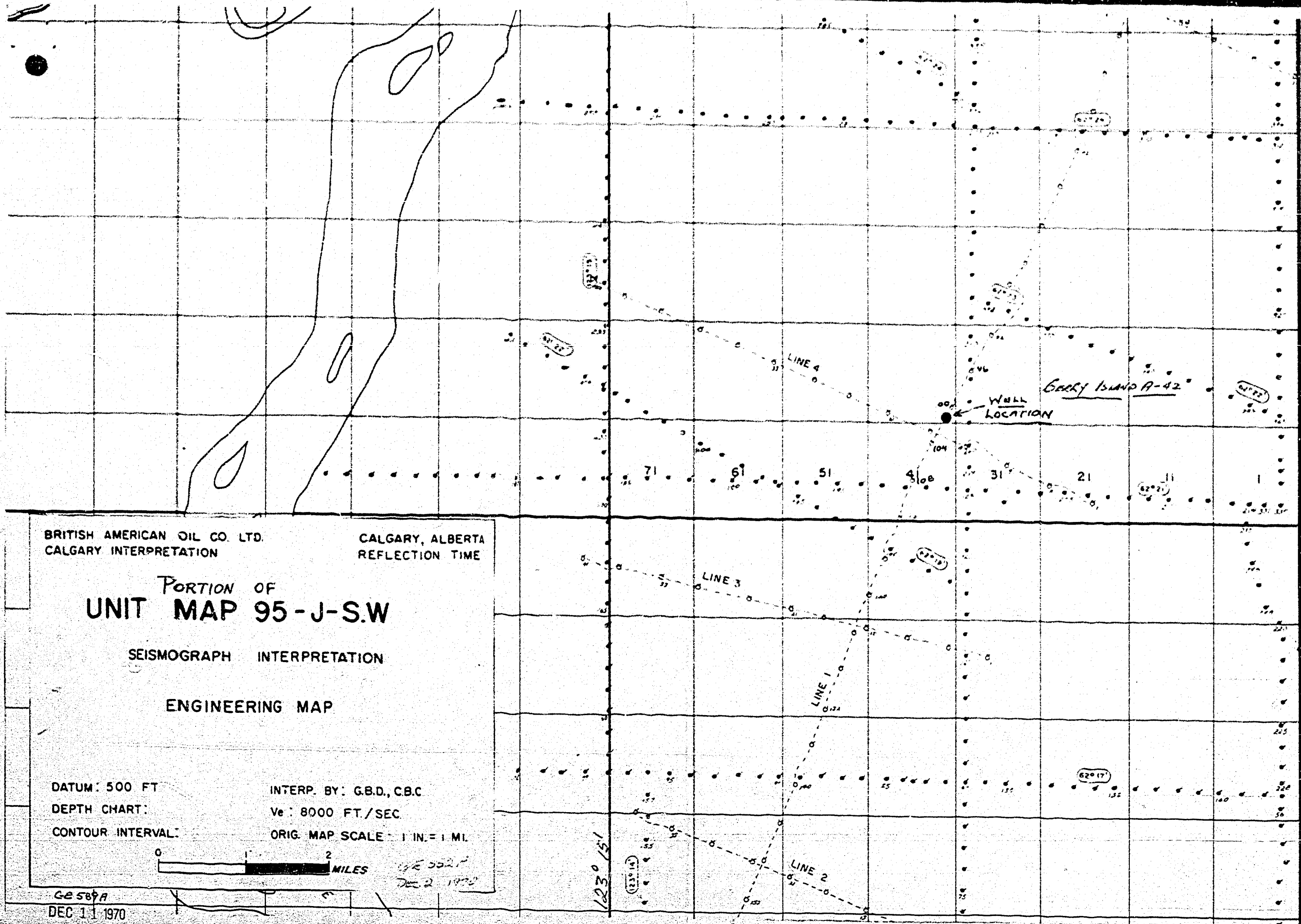
CEMENTING RECORD (Plug, Squeeze, etc.)				PERFORATING RECORD (Bullet, Jet)				SERVICING RECORD (Acidizing, Fracing, etc.)			
Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
Mar.11/71	6000	4740	320 sx cement / 4% gel				Nil				Nil
Mar.11/71	667	567	45 sx / 3% CaCl ₂ . Felt plug at 555'								
	Surface		5 sx Welded on steel plate and marker								

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	L.S.I. Mins.	F.S.I. Mins.	L.S.I.B.H.P.	F.S.I.B.H.P.	L.F.B.H.P.	F.F.B.H.P.	L.H.P.	F.H.P.	REMARKS
1	Mar. 4/71	Manetoe	4795	4890	30'	30	30	2190	2192	1648	2187	2248	2256	Recovered 100' drilling mud and 4250' salt water.

ANALYSIS						PRESENT STATUS OF WELL				
Lab. No.	Sample	From	To	Source	Remarks	Oil			Company	
				None				(Interval.)	Horn River Resources Ltd.	
						Gas		(Interval.)	Signed by	<i>Shulovley</i>
						Dry	X		Title	President
						Susp.			Date	July 9, 1971

Forms to be prepared in duplicate and forwarded to the Oil Conservation Engineer, Calgary, Alberta.



BRITISH AMERICAN OIL CO. LTD.
CALGARY INTERPRETATION

CALGARY, ALBERTA
REFLECTION TIME

PORTION OF
UNIT MAP 95-J-S.W

SEISMOGRAPH INTERPRETATION

ENGINEERING MAP

DATUM: 500 FT

DEPTH CHART:

CONTOUR INTERVAL:

INTERP. BY: G.B.D., C.B.C

Ve: 8000 FT./SEC

ORIG. MAP SCALE: 1 IN. = 1 MI.

0 1 2
MILES

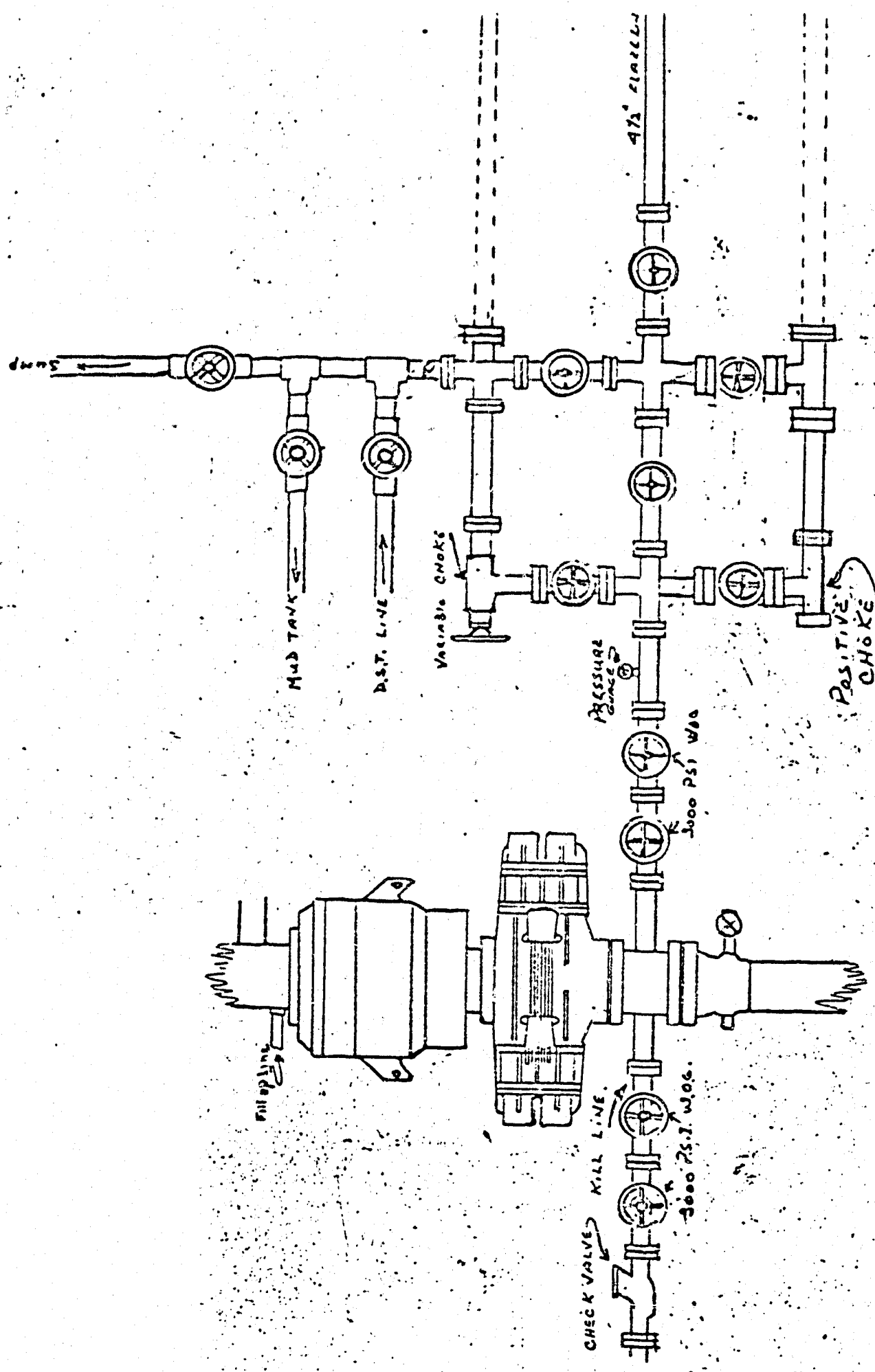
GE589A
DEC 1 1970

DEC 2 1970

62°20'

123°00'

R. 6 #7



**OPERATION REEF
NORTHWEST TERRITORIES
CANADA**

**Geological and Engineering
REPORT**

Horn R Gulf Amerada BERRY ISLAND A-42

**PREPARED FOR
HORN RIVER RESOURCES LTD.**

**PREPARED BY
JAMES A. LEWIS ENGINEERING CO. LTD.
Petroleum Reservoir Analysts
CALGARY - ALBERTA**

INTRODUCTION

This is a concise report of the operations conducted at the well

Horn R Gulf AmHess Berry Island A-42

This well was drilled through the co-operative exploration program conducted by Horn River Resources Ltd. in the Northwest Territories of Canada under

"OPERATION REEF"

Data in this report were compiled by James A. Lewis Engineering Co. Ltd. Drilling data were taken from the tour reports supplied by Kenting Oilwell Drilling Ltd. Geological data were supplied by Gulf Oil Canada Ltd.



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Section 1
GENERAL

SUMMARY OF WELL DATA

WELL: Horn R Gulf AmHess Berry Island A-42

NAME OF OPERATOR: Horn River Resources Ltd.
1020 Aquitaine Tower, 540 Fifth Avenue S.W., Calgary

LEGAL DESCRIPTION: Unit A Section 42 Grid 62° 30' N. 123° 00' W.

LOCATION: LATITUDE: 62° 21' 04" N LONGITUDE: 123° 07' 43" W

UNIVERSAL WELL LOCATION REFERENCE: Lat 61.35111° N, Long 123.12861° W ~~Lat 61.91611° N, Long 123.02972° W~~ *PLK*

UNIQUE WELL IDENTIFIER: 300A426230123000

CO-ORDINATES: _____

PERMIT OR LEASE: 5371

PERMITTEE, LICENCEE, LESSEE: Gulf Oil Canada Ltd. and Amerada Hess Corporation

DRILLING AUTHORITY: 484 DATE: December 24, 1970

CLASSIFICATION: New Field Wild Cat

ELEVATION: GROUND: 640 K.B. 652

DRILLING CONTRACTOR: Petrolia Oilwell Drilling, Rig No. 7.

WELLSITE GEOLOGIST: Supplied by Gulf Oil Canada Ltd.

SURFACE CASING: 8-5/8" O.D. 24 lb. set @ 617' K.B. c/w 350 sacks + 3% CaCl₂

HOLE SIZE: Surface to 625' - 12-1/4", 625' to 6000' - 7-7/8"

MUD SYSTEM: Gel-Benex-Chemical

CORES: None Taken

FORMATION TESTS: DST No. 1 4795' - 4890' Manitoe

ABANDONMENT PLUGS: No. 1: 6000' to 4740' 320 sacks
No. 2: 667 to 567' 45 sacks
No. 3: Top of casing - 5 sacks.

LOGS: Induction Electric 5997' to 617'
BHCSGRC 5996' to 617'
High Resolution Dipmeter 5990' to 3490', Velocity Survey

WELL SPUDDED: 4:00 p.m., February 17, 1971

FINISHED DRILLING: 9:00 a.m., March 9, 1971

RIG RELEASED: 4:45 a.m. March 12, 1971

TOTAL DEPTH: 6000'

STATUS: Drilled and Abandoned

Section 2
GEOLOGICAL

WELL: Horn R Gulf AmHess Berry Island A-42

James A. Lewis Engineering Co Ltd

SAMPLE DESCRIPTION

Horn R Gulf AmHess Berry Island A-42

Depth,
Feet

30	Varicolored sand and gravel, shales medium grey.
40	As above.
50	Coarse rounded sand, varicolored grains.
60	As above.
70	Sand and gravel as above.
80	As above.
90	Increasing medium grey shales.
100	As above.
110	Sand and gravel, grey shale.
120	As above.
130	As above. More coarse rounded sandstone.
140	Siltstone, light greenish and silty shale, micro-micaceous light grey.
200	Shale light grey to grey brown, micro-micaceous with intercalated siltstone as above.
250	Shale light greenish grey to medium grey with minor limestone concretions.
300	Siltstone light greenish-grey, micaceous blocky. Shale light grey-green.
350	Shale light to medium green-grey blocky, silty.
400	Shale light grey partings to silty as above, shale light redish (burned).
450	Shale very light redish tinge, green-grey silty shale as above.
500	As above.

SAMPLE DESCRIPTION (Continued)

Horn R Gulf AmHess Berry Island A-42

Depth, Feet	
550	Shale light to medium greenish-grey blocky silty.
600	As above. Surface casing set at 617'
650	Shale medium grey silty in part blocky.
700	Shale medium grey micro-micaceous, silty blocky.
750	Shale as above. Siltstone medium grey blocky minor.
800	Shale medium grey micro-micaceous, blocky and silty in part.
850	As above.
900	As above.
950	As above.
1000	Shale as above.
1050	Shale medium grey blocky micro-micaceous silty and blocky in part.
1080	Shale as above. Jean Marie - 1118'
1090	Limestone very light brown, dense some chalky, white trace Brach fragments.
1100	As above.
1110	Limestone as above. Very light brown micritic to crypto-crystalline tight.
1120	Limestone as above.
1130	Limestone light to medium brown, micrite to very fine recrystalline. Fossil fragments trace pyrite, more argillaceous than above.
1140	As above.

SAMPLE DESCRIPTION (Continued)

Horn R Gulf AmHess Berry Island A-42

Depth, Feet

1150	Limestone as above. Argillaceous in part.
1160	Limestone as above.
1170	Limestone light brown dense micrite, argillaceous in part, Brachs.
1180	Limestone medium brown dense argillaceous as above.
1190	Limestone mottled medium grey to grey-brown, argillaceous Brachs.
	Fort Simpson - 1200'
1200	Shale medium to dark grey blocky, minor limestone as above.
1250	Shale medium brown-grey blocky micro-micaceous occasionally silty minor, light greenish siltstone.
1300	Shale as above, silty blocky in part.
1340	Limestone light brown micritic, Brach fragments.
1350	As above. (Samples probably mixed-up).
1360	Limestone as above, with shale light to medium grey.
1400	Shale medium grey blocky, silty, micro-micaceous.
1500	Shale as above.
1600	Shale medium grey as above, siltstone light greenish-grey.
1700	Shale and siltstone as above. Minor sandstone.
1800	Shale medium grey brown blocky, silty micro-micaceous.
1870	As above.
1880-2300	Labels on bags irradiated. Samples were discarded unwashed.
2310	Shale medium grey-brown blocky, silty micro-micaceous.
2400	Shale as above, medium grey.

SAMPLE DESCRIPTION (Continued)

Horn R Gulf AmHess Berry Island A-42

Depth, Feet	
2500	As above.
2600	Shale as above.
2700	Shale medium grey blocky.
2800	Shale medium grey blocky to silty to micro-micaceous.
2900	Shale as above medium to dark grey and medium grey-brown.
3000	Shale medium grey.
	Samples lagged below 3100'
3100	Shale blocky, silty to micro-micaceous.
3200	As above.
3300	As above.
3400	As above.
3500	Shale as above. Traces intercalated sand light brown.
3600	Shale as above, minor light brown very fine sandstone, siltstone.
3700	Shale as above, with 10% sandstone light grey quartzose, siltstone light grey brown.
3722	Top of sandy division - lower Fort Simpson.
3750	Shale as above, medium grey, sandstone light grey quartzose 30%.
3800	As above. Sandstone less than 20%.

SAMPLE DESCRIPTION (Continued)

Horn R Gulf AmHoss Berry Island A-42

**Depth,
Feet**

3900

Shale and 10% sandstone light grey as above.

4000

Shale as above, light to medium grey, siltstone, sandstone as above 20%.

4100

Shale grey green blocky silty in part.

4180

Shale as above, traces of black pyritic shale.

Trip Sample - Horn River 4179'

4190

As above.

4200

Shale black blocky micro-micaceous 70% - shale medium grey 30%.

4239

Trip. Shale as above, blocky silty pyritic.

4250

Shale as above, very pyritic.

Nahanni at 4256'

4260

Limestone light grey-brown to medium brown dense, argillaceous 40% sample.

4270

Limestone as above, calcite veinlets, argillaceous partings 60% sample.

Trip at 4275'

4280

As above.

4290

Limestone light brown to brown-grey, occasionally medium brown dense, calcite veinlets, some limestone chalky and argillaceous partings, pyrite.

SAMPLE DESCRIPTION (Continued)

Horn R Gulf AmHess Berry Island A-42

Depth,
Feet

4300	Limestone medium brown micritic crypto-crystalline occasionally very fine recrystallized. Some sublithographic (cherty like).
4310	Limestone as above micritic, part recrystallized, some chalky.
4320	Limestone as above, argillaceous in part.
4330	Limestone light to medium brown, part recrystallized, mottled some chalky.
4340	Limestone light brown, part medium brown as above, finely recrystallized in part.
4350	Limestone light to medium brown micritic as above, argillaceous partings.
4360	Limestone light to medium brown-grey, calcite veinlets.
4370	Limestone as above, part chalky, pelleted occasionally, some sucrose. recrystallized.
4380	Limestone medium brown micritic to recrystallized mottled, pelleted in part.
4390	Limestone light brown-grey to medium brown as above.
4400	Limestone as above, part pelleted, argillaceous partings.
4410	Limestone as above, calcite, Brach fragments.
4420	Limestone very light brown, light brown grey, medium brown, micritic to part recrystallized.
4430	Limestone light to medium brown micritic, calcite.
4440	As above, argillaceous partings.
4450	Limestone light to medium brown-grey, argillaceous in part micritic pelleted occasionally.

SAMPLE DESCRIPTION (Continued)

Horn R Gulf AmHess Berry Island A-42

Depth,
Feet

4300	Limestone medium brown micritic crypto-crystalline occasionally very fine recrystallized. Some sublithographic (cherty like).
4310	Limestone as above micritic, part recrystallized, some chalky.
4320	Limestone as above, argillaceous in part.
4330	Limestone light to medium brown, part recrystallized, mottled some chalky.
4340	Limestone light brown, part medium brown as above, finely recrystallized in part.
4350	Limestone light to medium brown micritic as above, argillaceous partings.
4360	Limestone light to medium brown-grey, calcite veinlets.
4370	Limestone as above, part chalky, pelleted occasionally, some sucrose. recrystallized.
4380	Limestone medium brown micritic to recrystallized mottled, pelleted in part.
4390	Limestone light brown-grey to medium brown as above.
4400	Limestone as above, part pelleted, argillaceous partings.
4410	Limestone as above, calcite, Brach fragments.
4420	Limestone very light brown, light brown grey, medium brown, micritic to part recrystallized.
4430	Limestone light to medium brown micritic, calcite.
4440	As above, argillaceous partings.
4450	Limestone light to medium brown-grey, argillaceous in part micritic pelleted occasionally.

SAMPLE DESCRIPTION (Continued)

Horn R Gulf AmHess Berry Island A-42

Depth,
Feet

4460

As above.

4470

Limestone light to medium brown-grey, argillaceous partings common.

4480

Limestone medium brown dense, limestone light brown mottled re-crystallized.

4490

Limestone white chalky, light brown micritic, medium brown dense.

4500

Limestone medium brown micritic occasionally fine recrystallized, Limestone light brown chalky, argillaceous partings.

4510

Limestone as above.

4520

Limestone as above.

Headless - 4524'

4530

Limestone as above, argillaceous partings.

4540

Limestone medium brown micritic fine recrystallized. Chalky in part light brown.

4550

Limestone as above.

4560

Limestone medium brown micritic and light brown chalky as above.

4570

As above.

4580

Limestone as above, occasionally pelleted, light brown dense to chalky.

4590

Limestone medium brown dense to micritic, partly recrystallized light brown as above.

4600

Limestone medium brown micritic to fine recrystallized pelleted in part light brown as above.

4610

Limestone as above.

SAMPLE DESCRIPTION (Continued)

Horn R Gulf AmHess Berry Island A-42

Depth,
Feet

4620	Limestone medium to light brown dense, traces crinoids, pelleted in part.
4630	Limestone as above.
4640	Limestone medium brown micritic/pelleted occasionally, chalky in part, light brown.
4650	Limestone as above.
4660	Limestone as above.
4670	Limestone light to medium brown, micritic/crypto-crystalline dense, pelleted occasionally, light brown chalky.
4680	Limestone as above.
4690	Limestone as above. Waxy green-grey shale 5%.
	Base of Headless 4695'
4700	Limestone medium brown dense micritic. Mudstone light grey micritic, dolomitic, shale green-grey waxy pyritic, non-calcareous, 5-10%.
4710	Limestone medium brown micritic, argillaceous in part dolomitic with light grey dolomitic mudstone trace green shale Ostracods.
4720	Limestone predominantly medium brown dense argillaceous, with mudstone dolomitic trace Brach fragments.
4730	Limestone light to medium brown dense to very fine recrystalline minor light grey dolomitic, traces shale, Brach fragments.
4740	Limestone black argillaceous dense, part shaley, limestone light brown minor dense, trace green-grey waxy shale.
4750	Limestone as above, abundant Ostracods in dark limestone, dense.
4760	Limestone as above, with limestone light to medium brown dense and argillaceous, trace waxy shale.
4770	Limestone as above.

SAMPLE DESCRIPTION (Continued)

Horn R Gulf AmHess Berry Island A-42

Depth,
Feet

Trin at 4778'

4780

As above.

4790

Limestone light brown dense occasionally chalky.

Manetoe at 4792'

4800

Limestone light brown dense, minor dolomite creamy coarse crystalline.

4810

Limestone as above, traces of white coarse dolomite as above.

4820

Dolomite creamy to light grey coarse recrystallized scattered vugs.

4830

Dolomite as above.

4840

Dolomite light grey creamy. Shale more common (interbedded).

4850

Dolomite as above. Coarsely recrystallized. Scattered vug porosity, minor pyrobitumen.

4860

Dolomite as above. Scattered vugs. Trace pyrite.

4870

Dolomite as above.

4880

Dolomite creamy to light grey coarse recrystallized minor dolomite light brown-grey coarse (not replaced). Trace pyrite.

4890

Dolomite as above. Pyrobitumen common, scattered vugs.

DST No. 1 (4795' - 4890'). Recovered 4250' salt water, 100' mud
R.W. 0.07 @ 63°F

4900

Dolomite white coarse recrystalline, argillaceous partings and cavings.

4910

As above.

4920

Dolomite white to light brown, coarse recrystallized, mottled, trace waxy shale, scattered vugs.

4930

Dolomite as above, scattered vugs, bitumen.

SAMPLE DESCRIPTION (Continued)

Horn R Gulf AmHess Berry Island A-42

Depth,
Feet

4940	Dolomite as above, some medium brown coarse argillaceous partings, scattered vugs.
4950	Dolomite as above some light to medium brown, fine crystalline, trace bitumen, scattered vugs.
4960	Dolomite light grey to creamy to white to light brown, mostly coarse recrystalline, abundant bitumen, scattered vugs.
4970	Dolomite as above, mostly tight.
4980	Dolomite white to light to medium brown coarse recrystalline.
4990	Dolomite as above, argillaceous partings.
5000	Dolomite as above.
5010	Dolomite white coarse recrystallized as above, dolomite light brown-grey coarsely crystalline 30%.
5020	Dolomite as above.
5030	Dolomite white very coarse recrystallized as above with dolomite light brown-grey as above and dolomite dark brown coarse 5%.
5040	Dolomite white very coarse recrystalline as above and dolomite medium crystalline light brown-grey 30%.
5050	Dolomite as above. Arnica at 5054'
5060	Dolomite as above, occasionally pyrite crystalline, dolomite light brown-grey fine to coarse crystalline 30%.
5070	Dolomite light to medium brown-grey very fine to coarse crystalline, 50% with dolomite white very coarse recrystalline occasionally micritic (part replaced) medium brown to white coarse, minor quartz crystalline.

SAMPLE DESCRIPTION (Continued)

Horn R Gulf AmHess Berry Island A-42

Depth,
Feet

5080	Dolomite as above, very light brown to medium brown very fine to coarse with white dolomite as above 40%.
5090	Dolomite very light brown to light brown-grey, medium brown micritic to coarse with dolomite white 40%. Predominantly very fine crystalline, trace crinoids, small vugs.
5100	Dolomite as above, small vugs.
5110	Dolomite as above, part replaced.
5120	Dolomite as above.
5130	Dolomite light brown to white micritic to coarse as above, part replaced.
5140	Dolomite as above.
5150	Dolomite light brown as above, dolomite white creamy 20%.
5160	Dolomite light to medium brown as above, micritic to coarse crystalline.
5170	Dolomite as above.
5180	Dolomite light to medium grey-brown, micritic to very fine crystalline occasionally medium to coarse crystalline with 5% white dolomite.
5190	As above.
5200	Dolomite as above.
5210	Dolomite as above.
5220	As above.
5230	Dolomite light brown-grey micritic to very fine crystalline.
5240	Dolomite as above.
5250	As above.

SAMPLE DESCRIPTION (Continued)

Horn R Gulf AmHess Berry Island A-42

Depth, Feet

5260	Dolomite light brown-grey, micritic to very fine crystalline, tight minor white dolomite as above.
5270	As above.
5280	As above.
5290	As above with occasional medium brown micritic to very fine crystalline dense, minor white coarse crystalline dolomite.
5300	Dolomite very light brown to medium brown-grey, micritic to very fine crystalline dense, minor white coarse recrystalline.
5310	As above.
5320	Dolomite as above, traces of porosity.
5330	Dolomite very light brown to medium brown-grey. Some very light brown very fine sucrose.
5340	Dolomite very light brown dense micritic to very fine crystalline.
5350	Dolomite as above.
5360	Dolomite as above. More dense generally.
5370	Dolomite as above. More dense generally.
5380	Dolomite as above. More dense generally.
5390	Dolomite as above. More dense generally.
5400	Dolomite light brown to brown-grey. Micritic to occasional very fine crystalline.
5410	Trip - Dolomite as above.
5420	Dolomite light brown, micritic.
5430	As above.
5440	As above.

SAMPLE DESCRIPTION (Continued)

Horn R Gulf AmHess Berry Island A-42

Depth, Feet	
5450	Dolomite as above, light brown micritic.
5460	Dolomite light to medium brown dense micritic.
5470	As above, minor very fine crystalline dolomite.
5480	Dolomite as above, micritic to very fine crystalline.
5490	Dolomite very light brown to medium brown-grey predominantly very fine to fine crystalline occasionally micritic.
5500	Dolomite as above, traces of pin point porosity.
5510	Dolomite light grey-brown occasionally medium brown, fine to very fine occasional micro-crystalline trace porosity.
	Faulted to Nahanni - Fault Plane at 5514'
5520	Dolomite light brown grey to medium brown-grey as above and traces silicious light grey bluish (dolomite fault gauge) minor limestone light to medium brown.
	Fault zone for 8' - Nahanni at 5522'
5530	Limestone light to medium brown-grey micritic to recrystallized, argillaceous partings: Dolomite as above cavings and light bluish grey silicious dolomite.
5540	Limestone white to light brown chalky to limestone medium brown-grey.
5550	Limestone varies from medium brown crypto-crystalline to light brown micritic and very light brown fine recrystallized and chalky.
5560	Limestone medium brown crypto-crystalline, limestone light brown to medium brown fine to micritic crystalline. Some argillaceous partings.
5670	Limestone light to medium brown dense Brach fragments.
5680	Limestone as above.
5690	Limestone medium brown micritic with limestone light brown chalky pelleted in part.

SAMPLE DESCRIPTION (Continued)

Horn R Gulf Am Hess Berry Island A-42

Depth,
Feet

5700

As above. Argillaceous partings.

5710

As above, with limestone light brown dense.

Top Headless at 5705'

5720

Limestone medium brown micritic, light brown pelleted (mottled medium brown) recrystallized in part Brach fragments.

5730

Limestone as above, traces of grey-green pyritic mudstone.

5740

Limestone medium brown to brown grey dense with traces pyritic mudstone as above.

5750

Limestone light to medium brown dense, limestone pelleted, traces pyritic green-grey shale waxy in part.

5760

Limestone as above dense, trace pyritic and shaley limestone as above.

5770

Limestone light to medium brown dense some light grey-brown limestone shaley. Some pelleted trace green-grey shaley pyritic mudstone, limestone light brown chalky.

5780

Limestone as above. Some shaley trace pyritic some pelleted.

5790

Limestone medium brown micritic, minor light brown micro-micritic to very fine recrystallized and light brown chalky.

5800

Limestone as above, some pelleted traces pyrite and green-grey waxy shale, argillaceous partings.

5810

Limestone as above medium to light brown dense with shale as above, waxy pyritic.

5820

Limestone light to medium brown dense, traces pyrite and waxy partings minor limestone chalky, light brown.

5830

Limestone as above with waxy grey-green shale pyrite, trace Ostracod.

5840

Limestone as above trace grey-greenish shale.

SAMPLE DESCRIPTION (Continued)

Horn R Gulf AmHess Berry Island A-42

Depth,
Feet

5850

Limestone light to medium brown dense with waxy green-grey shale partings.

5860

Limestone medium brown dense as above with more very fine recrystallized limestone pelleted in part argillaceous partings, some light brown chalky, trace pyrite.

5870

Limestone medium brown dense as above.

5880

Limestone medium brown as above pelleted in part - trace crinoids, in part chalky to light brown dense, trace green-grey shale waxy pyritic trace bitumen in dolomite fine recrystallized limestone.

5890

Limestone medium to dark brown grades very argillaceous, shaley limestone light to medium brown dense.

5900

Limestone medium to dark brown micritic predominantly shaley with light brown dense limestone.

5910

Limestone as above dark grey-brown argillaceous as above.

5920

Limestone light brown dense with limestone dark brown-grey pyritic shaley black partings, minor grey-green waxy shale partings.

5930

Limestone light brown-grey dense as above with dark grey-brown limestone as above argillaceous trace white coarse recrystallized dolomite. Argillaceous partings and waxy shale pyritic.

5940

Limestone dark brown pyritic argillaceous, micritic and dolomitic waxy green-grey shale, limestone light to medium brown dense, minor white coarse dolomite.

Manetoe at 5932'

5950

Dolomite white coarse recrystallized creamy, 30%, dark grey-black very fine crystalline dolomite. Minor green-grey waxy shaley partings. Trace pyrite dolomite is speckled black with limestone as above.

5960

Dolomite white with coarse recrystallized 50%, limestone light brown minor with dark grey-black dolomite. Dolomite light grey medium crystalline.

SAMPLE DESCRIPTION (Continued)

Horn R Gulf AmHess Berry Island A-42

**Depth,
Feet**

5970

Dolomite white creamy to light grey, dark grey argillaceous partings
vug porosity.

5980

Dolomite white creamy, coarsely recrystallized to light grey fine
crystalline, black speckled argillaceous partings. Scattered vug
porosity.

5990

Dolomite as above, pyritic, black argillaceous partings.

6000

Total Depth. Dolomite white creamy coarse recrystallized with
dolomite light grey fine to medium crystalline. Speckled black.

Section 3

DRILLING AND ENGINEERING

SUMMARY OF DAILY DRILLING OPERATIONS

Horn R Gulf AmHess Berry Island A-42

2-17-71	0'	Rigging to spud.
2-18-71	240'	Drilling 12-1/4" hole. Spudded at 4:00 p.m., February 17, 1971
2-19-71	625'	Drilling 12-1/4" surface hole.
2-20-71	658'	Running surface casing. Drilled 12-1/4" hole to 625' Drilled 7-7/8" pilot hole to 658'.
2-21-71	658'	Drilling out cement. Ran 20 joints 8-5/8" J-55 seamless casing plus float collar and guide shoe 635.97' overall landed at 617.45' K.B. Cemented with 350 sacks of construction cement plus 3% CaCl ₂ . Plug down 8:50 a.m. February 20, 1971. Headed up and tested Blind Rams to 1150 psi. Held for 15 minutes. Tested Pipe Rams and Hydril to 1150 psi, held for 15 minutes.
2-22-71	1797'	Drilling 7-7/8" hole. Mud wt. 9.0 Vis. 52
2-23-71	2705'	Drilling 7-7/8" hole. Mud wt. 9.1 Vis. 53
2-24-71	3576'	Drilling 7-7/8" hole. (Repairing rotary chain). Mud wt. 9.0 Vis. 58
2-25-71	3735'	Drilling 7-7/8" hole. Mud wt. 8.8 Vis. 115
2-26-71	3945'	Drilling 7-7/8" hole. Mud wt. 8.9 Vis. 60
2-27-71	4165'	Drilling 7-7/8" hole. Mud wt. 8.8 Vis. 62
2-28-71	4260'	Drilling 7-7/8" hole. (Reaming crooked hole.) Mud wt. 9.0 Vis. 90
3- 1-71	4430'	Drilling 7-7/8" hole. Mud wt. 9.0 Vis. 90
3- 2-71	4676'	Drilling 7-7/8" hole. Mud wt. 9.0 Vis. 92
3- 3-71	4778'	Down for repairs to boiler.
3- 4-71	4890'	Condition hole to run drill stem test.

SUMMARY OF DAILY DRILLING REPORTS (Continued)

Horn R Gulf AmHess Berry Island A-42

3- 5-71	4910'	Drilling 7-7/8" hole. Ran DST No. 1: 4795' - 4890'. Recovered 4200' salt water.
3- 6-71	5191'	Drilling 7-7/8" hole. Mud wt. 9.2 Vis. 58
3- 7-71	5410'	Drilling 7-7/8" hole. Mud wt. 9.2 Vis. 55
3- 8-71	5647'	Drilling 7-7/8" hole. Mud wt. 9.1 Vis. 58
3- 9-71	5981'	Drilling 7-7/8" hole. Mud wt. 9.0 Vis. 65
3-10-71	6000'	Running Directional Survey. Drilled to 6000' - Ran IES and BHCSGRC logs.
3-11-71	6000'	Rigging to run plug No. 1.
3-12-71	P.B.D. Surface	Ran Plugs. No. 1: 6000' - 4740', 320 sacks. No. 2: 667' - 567', 45 sacks No. 3: Surface, 5 sacks

Rig released 8:00 a.m. March 12, 1971.

BIT RECORD

WELL: Horn R Gulf AmHess Berry Island A-42

BIT NO.	SIZE & TYPE	DEPTH OUT, Feet	FOOTAGE, Feet	HOURS	WEIGHT, M Pounds	R.P.M.	CONDITION
<u>1A</u>	<u>12-1/4" T3A</u>	<u>184</u>	<u>184</u>	<u>5</u>	<u>20</u>	<u>88</u>	<u>4-3-1</u>
<u>2A</u>	<u>12-1/4" T3A</u>	<u>502</u>	<u>318</u>	<u>15 1/4</u>	<u>10</u>	<u>110</u>	<u>3-2-1</u>
<u>3A</u>	<u>7-7/8 X3A</u>	<u>653</u>	<u>152</u>	<u>9 1/4</u>	<u>5-8</u>	<u>110</u>	<u>2-1-1</u>
<u>4A</u>	<u>12-1/4 T-3</u>	<u>625</u>	<u>123</u>	<u>4</u>	<u>10</u>	<u>110</u>	<u>3-2-1</u>
<u>1</u>	<u>7-7/8 X3A</u>	<u>2268</u>	<u>1613</u>	<u>32 1/2</u>	<u>30</u>	<u>120</u>	<u>.</u>
<u>2</u>	<u>7-7/8 X3A</u>	<u>3642</u>	<u>1374</u>	<u>28</u>	<u>35</u>	<u>80</u>	<u>5-8-1</u>
<u>3</u>	<u>7-7/8 X1G</u>	<u>3786</u>	<u>144</u>	<u>13 1/4</u>	<u>40</u>	<u>80</u>	<u>8-4-1</u>
<u>4</u>	<u>7-7/8 SS1G</u>	<u>4090</u>	<u>304</u>	<u>25</u>	<u>40</u>	<u>80</u>	<u>8-5-1</u>
<u>5</u>	<u>7-7/8 SMG</u>	<u>4239</u>	<u>149</u>	<u>10 1/4</u>	<u>40</u>	<u>75</u>	<u>.</u>
<u>6</u>	<u>7-7/8 SHG</u>	<u>4281</u>	<u>42</u>	<u>4 1/4</u>	<u>25</u>	<u>60</u>	<u>4-1-1</u>
<u>7</u>	<u>7-7/8 X55R</u>	<u>4778</u>	<u>497</u>	<u>42 1/2</u>	<u>35</u>	<u>45</u>	<u>.</u>
<u>8</u>	<u>7-7/8 6JS</u>	<u>4890</u>	<u>112</u>	<u>7 1/4</u>	<u>38</u>	<u>48</u>	<u>.</u>
<u>9</u>	<u>7-7/8 SS5</u>	<u>5410</u>	<u>520</u>	<u>43</u>	<u>30</u>	<u>45</u>	<u>8-8-1</u>
<u>10</u>	<u>7-7/8 SCM</u>	<u>6000</u>	<u>590</u>	<u>43</u>	<u>30</u>	<u>40</u>	<u>.</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

SUMMARY

Surface Hole 625' of 12-1/4 " 24-3/4 hours on bottom.
Main Hole 5375 of 7-7/8 " 251 hours on bottom.
Core Hole of " hours on bottom.

James A. Lewis Engineering Co., Ltd.

SUMMARY OF MUD ADDITIVES

Horn R Gulf AmHess Berry Island A-42

Bentonite (Gel)	832 Sacks
PV 68 (Extender)	40 Gallons
CMC	1850 Pounds
Benex	127 Sacks

SURVEY RECORD

Horn R Gulf AmHess Berry Island A-42

Depth,
Feet

Deviation,
Degrees

108
224
311
365
421
479
568
625
1012
1201
1514
2142
2768
3174
3786
4281
4340
4435
4685
4778
6000

0
3/4
1-1/2
1-3/4
2
2-1/2
2-1/2
2-1/2
2-3/4
2-3/4
3
4-1/3
2
1-3/4
2-1/2
15-7/8
10-1/4
15
13-1/2
12-1/2
10-1/4

DRILL STEM TEST REPORT

WELL: Horn R Gulf AmHess Berry Island A-42

DATE: March 4, 1971 TEST NO. 1
 INTERVAL TESTED: 4795 - 4890' FORMATION: Manitoe
 TOTAL DEPTH DRILLER: 4890' LOGS: NA
 HOLE SIZE: 7-7/8" RAT HOLE SIZE: NA
 TESTING COMPANY: Lynes United OPERATOR: D. Morrison

MUD	DRILL PIPE	TEST TOOL
Type <u>Gel-Chemical</u>	Type <u>H90</u>	Size Rubber <u>7"</u>
Wt. <u>9.0</u>	Size <u>3 1/2</u>	Type <u>Bob Tail</u>
Visc. <u>58</u>	Size T.J. <u>5-5/8</u>	Tool Type <u>-</u>
W.L. <u>10</u>	Collars <u>4 1/2" H90</u>	Size Choke <u>-</u>
pH <u>-</u>	Jars <u>-</u>	Wt. to Set <u>-</u>
F.C. <u>2/32</u>	Safety Joint <u>-</u>	Pull Loose <u>-</u>
Conditions <u>-</u>	Pumpout Sub- <u>-</u>	Fluid Cushion <u>-</u>

Bit off Bottom <u>8:45 a.m. 3/4/71</u>	Preflow <u>8</u> min.	B.H. Temp. <u>106</u> °F.
Start Tester in <u>1:30 p.m.</u>	I.S.I. <u>30</u> min.	Gauge Depths <u>4823</u> K.B.
Tester on Bottom <u>3:45 p.m.</u>	Tool Open <u>30</u> min.	<u>4828</u> K.B.
Tool Open <u>5:20 p.m.</u>	F.S.I. <u>30</u> min.	
Tool Closed <u>5:28 p.m.</u>	<u>Upper Gauge</u>	<u>Lower Gauge</u>
Tool Open <u>5:58 p.m.</u>	I.H.S. <u>2261</u> psig	I.H.S. <u>2248</u> psig
Tool Closed <u>6:30 p.m.</u>	Preflow <u>1599</u> psig	Preflow <u>1599</u> psig
Tool Loose <u>7:00 p.m.</u>	I.S.I. <u>2188</u> psig	I.S.I. <u>2190</u> psig
Tool Out <u>10:00 p.m.</u>	Initial Flow <u>1650</u> psig	Initial Flow <u>1648</u> psig
Rubber Condition <u>O.K.</u>	Final Flow <u>2183</u> psig	Final Flow <u>2187</u> psig
Test O.K. <u>Skidded to Bottom</u>	Final S.I. <u>2187</u> psig	Final S.I. <u>2192</u> psig
	F.H.S. <u>2268</u> psig	F.H.S. <u>2256</u> psig

BLOW: Good blow, dead in 12 minutes.

RECOVERY: 100 feet drilling mud, 4250 feet salt water.

James A. Lewis Engineering Co. Ltd.

ABANDONMENT REPORT

Horn R Gulf AmHess Berry Island A-42

TD 6000'

Plug No. 1

6000' to 4740'

320 sacks of cement plus 4% Gel

Run in two stages.

Not Felt

Plug No. 2

667' to 567'

45 sacks of cement plus 3% CaCl_2

Felt Plug No. 2 @ 555'

Plug No. 3

5 sacks at surface.

Cut off casing, welded on steel plate and marker.

Section 4

WELL LOG DATA

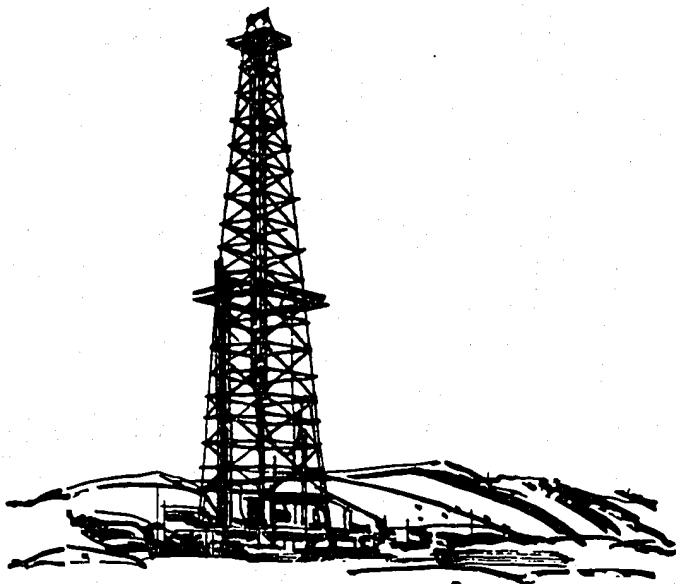
Horn R Gulf AmHess Berry Island A-42

Log	Scale	Interval
Induction Electrical	2" & 5"/100'	5997 to 617'
Borehole Compensated Sonic Gamma Ray Caliper	2" & 5"/100'	5996 to 617'
Continuous Dipmeter	2"/100'	5980 to 3490'
Eastman Directional Survey		
Velocity Survey		

LYNES

BRIGHT NAME IN THE OIL PATCH

Inflatable and Conventional Packer Tools



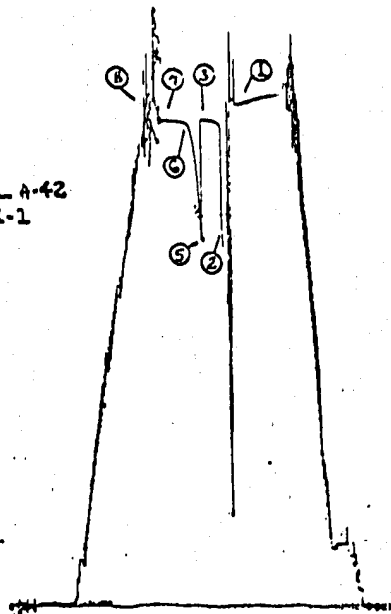
**DRILL STEM TEST
TECHNICAL SERVICE REPORT**

Vertical Oilfield Bulletin

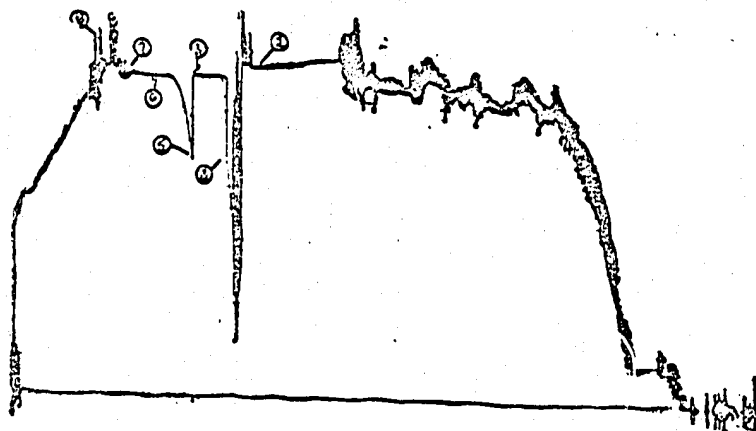
Volume 21, No. 04, 00 1230 07, 43, 00

March 4/71

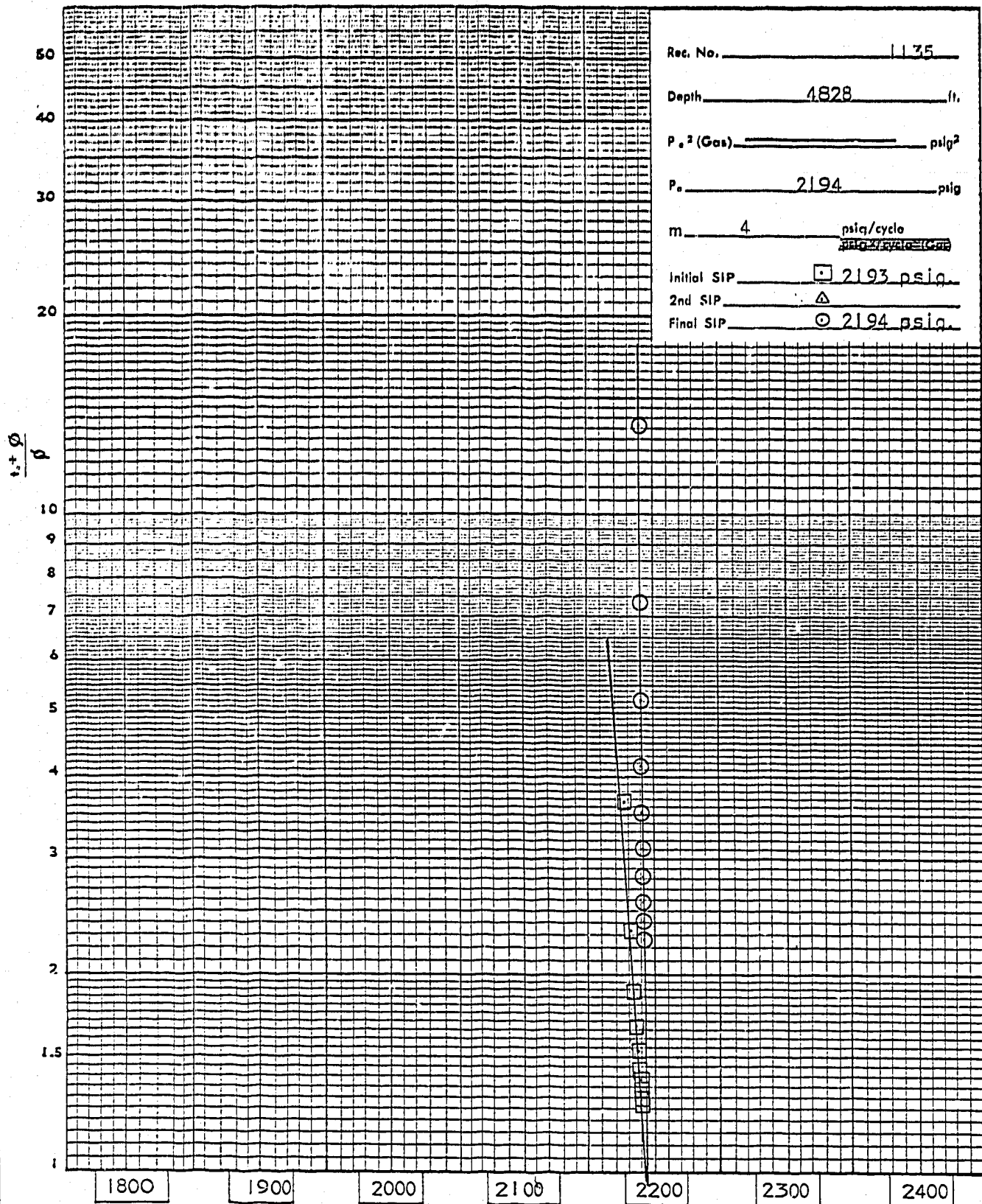
HORN RIVER GULF ANNESS BEARS ISL. A-42
 C2° 21' 04.00 122° 07' 42.00 901-1



HORN RIVER GULF ANNESS BEARS ISL. A-43
 C3° 21' 04.00 122° 07' 42.00 1135-2



PRESSURE DATA



PRESSURE EXTRAPOLATION PLOT

LYNES UNITED SERVICES LTD.

TEST DATA				GENERAL INFORMATION			
Formation	Maneto			T.D.	4890 Ft.		
Interval Tested	4795 Ft. to			4890 Ft.			
Feet of Net Pay Tested	95						
Type of Test	Dual Bottom Hole Conventional						
Cushion	Amount			Ft.			
Started In Hole at	1:30	Hrs.	Tool Open at	5:20	Hrs.		
Pre-Flow	8	Mins.	Initial Shut-In	30	Mins.		
2nd Flow		Mins.	Second Shut-In		Mins.		
Final Flow	30	Mins.	Final Shut-In	30	Mins.		
Remarks	Skidded 45' to bottom.						
				Well Name	Horn River Gulf Ambess Berry Isl.		
				Well Number	A-42 620 21' 04.00 123° 07' 43.00		
				K.B. Elevation	Sub-Sea Elevation		
				Area	Ft. Simpson Province N.W.T.		
				Company Rep.	D. Capstick		
				Tester	D. Morrison		
				Contractor	Petroliia Ria No. 7		
				Ticket No.	3087 Date March 4/71		
				Service Reports To:	5 - James A. Lewis Engineering Ltd. + 40 xeroxed copies.		
Blow:				Strong air blow on preflow. Good blow on final flow with decrease after 10 minutes. Dead after 12 minutes.			

GAS BLOW MEASUREMENTS

Measured with

MUD AND HOLE DATA

Mud Type Gel Chem
 Weight 9.1 Viscosity 85 Water Loss
 Filter Cake 2/32" Bottom Hole Temperature 1060
 Drill Pipe Size 3 1/2" H90 Weight
 Drill Collars 4 1/2" H90 I.D. Feet Run 491.27
 Main Hole or Casing Size 7 7/8"
 Rathole or Liner Size No. of Feet
 Bottom Hole Choke Size 5/8"
 Surface Choke Size
 Packer Rubber Size 7 x 2 7/8" Bobtail.

REMARKS Shut-in pressures suggest high permeability within the interval tested.

RECOVERY

TOTAL FLUID RECOVERED 4350 Ft. Consisting of:
 100 Ft. of drilling mud
 4250 Ft. of salt water
 Ft. of

Test was/was not Reverse Circulated

Oil Recovery A.P.I. Water Specific Gravity

Salinity 162,000 PPM

PRESSURE READINGS

Inside _____ Outside X
 Recorder No. 901
 Capacity 3400
 Depth 4823

Inside _____ Outside X
 Recorder No. 1135
 Capacity 4500
 Depth 4828

Inside _____ Outside
 Recorder No.
 Capacity
 Depth

Inside _____ Outside
 Recorder No.
 Capacity
 Depth

NUMBER KEY:

- 1 - INITIAL HYDROSTATIC
- 2 - PRE-FLOW
- 3 - INITIAL SHUT-IN
- 4a - 2nd INITIAL FLOW
- 4b - 2nd FINAL FLOW
- 4c - 2nd SHUT-IN
- 5 - 3rd INITIAL FLOW
- 6 - FINAL FLOW
- 7 - FINAL SHUT-IN
- 8 - FINAL HYDROSTATIC

2261
 1599
 2188
 1650
 2183
 2187
 2268

2248
 1599
 2190
 1648
 2187
 2192
 2256

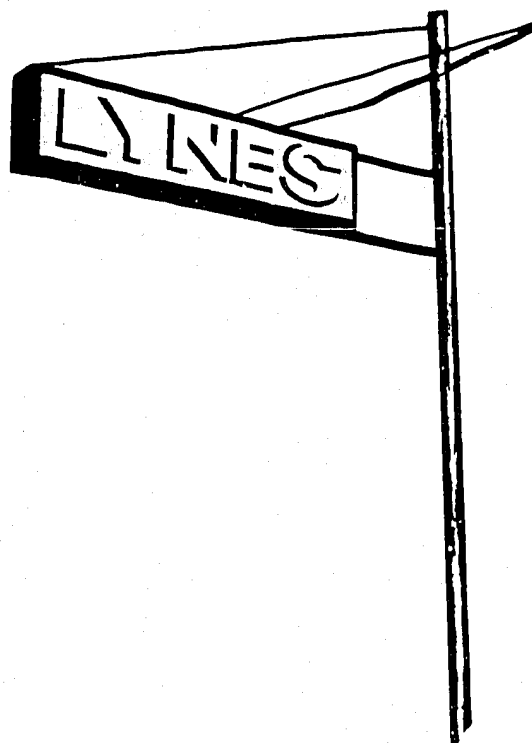
Kenting Oilwell Drilling Company

620 21' 04.00 1230 07' 43.00
 Horn River Gulf Ambess Berry Isl. A-42

Well Name & Description

Test No.

March 4/71
 Date of Test



LYNES UNITED SERVICES LTD. 262-4501 CALGARY, ALBERTA

DAILY DRILLING REPORT REPORT NO.

LEASE		WELL NO.		API WELL NUMBER		DATE	
Barry Island		A-42		CONTRACTOR		Mar 12/76	
Horn River Resources		Petrolia Drilling		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		7	
SIGNATURE OF OPERATOR'S REPRESENTATIVE		H. Coleman		PUMP NO.		PUMP MANUFACTURER	
D.P. SIZE		WT./FT.		GRADE		FOOT JT. Q.D.	
TYPE THREAD		STRING NO.		PUMP NO.		PUMP MANUFACTURER	
TYPE		STROKE LENGTH		LAST CASING TUBING OR LINER		LOCATION	
SIZE		MAKE		WT. & GR.		NO. JOINTS	
FEET		RKE. TO CSG. HD.		SET AT		WIRE LINE RECORD	
SIZE		NO. LINES		PT. SLIPPED		PT. CUT OFF	
PRESENT LENGTH		TON MI. OR TRIPS SINCE LAST CUT		CUMULATIVE TON MI. OR TRIPS		METHOD RUN	
TIME DISTRIBUTION - HOURS		NO.		DRILLING ASSEMBLY		BIT RECORD	
CODE NO.		- OPERATION		MORN.		DAY	
EVE.		BIT		FT.		BIT NO.	
1. RIG UP AND TEAR DOWN		STB RMR OD		FT.		MFG.	
2. DRILL ACTUAL		D.C. ID OD		FT.		TYPE	
3. REAMING		STB RMR OD		FT.		JETS 1/32"	
4. CORING		D.C. ID OD		FT.		SER. NO.	
5. CONDITION MUD & CIRCULATE		STB RMR OD		FT.		DEPTH OUT	
6. TRIPS						DEPTH IN	
7. LUBRICATE RIG						TOTAL FTG.	
8. REPAIR RIG						TOTAL HRS. RUN	
9. CUT OFF DRILLING LINE		STANDS DP		FT.		COND. 1/8" T/B GAGE	
10. DEVIATION SURVEY		SINGLES DP		FT.		GPM/ PD-PSI	
11. WIRE LINE LOGS		KELLY DOWN		FT.			
12. RUN CASING & CEMENT		TOTAL		FT.			
13. WAIT ON CEMENT		WT. OF STRING		LBS.			
14. NIPPLE UP B.O.P.		NO.		DRILLING ASSEMBLY		BIT RECORD	
15. TEST B.O.P.		BIT		FT.		BIT NO.	
16. DRILL STEM TEST						SIZE	
17. PLUG BACK		STB RMR OD		FT.		MFG.	
18. SQUEEZE CEMENT		D.C. ID OD		FT.		TYPE	
19. FISHING		STB RMR OD		FT.		JET 1/32"	
20. DIR. WORK		D.C. ID OD		FT.		SER. NO.	
21.		STB RMR OD		FT.		DEPTH OUT	
22.						DEPTH IN	
23.						TOTAL FTG.	
						TOTAL HRS. RUN	
		STANDS DP		FT.		COND. 1/8" T/B GAGE	
		SINGLES DP		FT.		GPM/ PD-PSI	
		KELLY DOWN		FT.			
		TOTAL		FT.			
		WT. OF STRING		LBS.			
A. PERF'PT'N		NO.		DRILLING ASSEMBLY		BIT RECORD	
B. TBG TRIPS		BIT		FT.		BIT NO.	
C. TREATING						SIZE	
D. SWABBING		STB RMR OD		FT.		MFG.	
E. TESTING		D.C. ID OD		FT.		TYPE	
F. ADDIT'L		STB RMR OD		FT.		JET 1/32"	
G.		D.C. ID OD		FT.		SER. NO.	
		STB RMR OD		FT.		DEPTH OUT	
						DEPTH IN	
						TOTAL FTG.	
						TOTAL HRS. RUN	
		STANDS DP		FT.		COND. 1/8" T/B GAGE	
		SINGLES DP		FT.		GPM/ PD-PSI	
		KELLY DOWN		FT.			
		TOTAL		FT.			
		WT. OF STRING		LBS.			
TOTALS		NO.		DRILLING ASSEMBLY		BIT RECORD	
DAY WORK TIME SUMMARY		BIT		FT.		BIT NO.	
(OFFICE USE ONLY)						SIZE	
HRS. W/CONTR. D.P.		STB RMR OD		FT.		MFG.	
HRS. W/OPR. D.P.		D.C. ID OD		FT.		TYPE	
HRS. W/D.P.		STB RMR OD		FT.		JETS 1/32"	
HRS. STANDBY		D.C. ID OD		FT.		SER. NO.	
		STB RMR OD		FT.		DEPTH OUT	
						DEPTH IN	
						TOTAL FTG.	
						TOTAL HRS. RUN	
		STANDS DP		FT.		COND. 1/8" T/B GAGE	
		SINGLES DP		FT.		GPM/ PD-PSI	
		KELLY DOWN		FT.			
		TOTAL		FT.			
		WT. OF STRING		LBS.			
NO. OF DAYS FROM SPUD		NO.		DRILLING ASSEMBLY		BIT RECORD	
CUMULATIVE ROTATING HRS.		BIT		FT.		BIT NO.	
TOTAL MUD COST						SIZE	
		STB RMR OD		FT.		MFG.	
		D.C. ID OD		FT.		TYPE	
		STB RMR OD		FT.		JETS 1/32"	
		D.C. ID OD		FT.		SER. NO.	
		STB RMR OD		FT.		DEPTH OUT	
						DEPTH IN	
						TOTAL FTG.	
						TOTAL HRS. RUN	
		STANDS DP		FT.		COND. 1/8" T/B GAGE	
		SINGLES DP		FT.		GPM/ PD-PSI	
		KELLY DOWN		FT.			

LEASE BARRY ISLAND	WELL NO. A-42	API WELL NUMBER	DATE 3-11-71						
OPERATOR HORN RIVER RES.	CONTRACTOR PETROLIA DRILLING	RIG NO. 7							
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>							
C.P. SIZE	WT./FT.	GRADE	TOOL JOINT	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1	EMSCO	DSGO	16
						2	NSCO	CISO	14

LOCATION	WIRE LINE RECORD	REEL NO.							
SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. NO.	SET AT	SIZE	NO. LINES	FT. SLIPPED
LAST CASING TUBING OR LINER							FT. CUT OFF	PRESENT	LENGTH
							TON MI. OR TRIPS SINCE LAST CUT		
							CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
CODE NO.	OPERATION	HORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	
1.	RIG UP AND TEAR DOWN				STB RMR	OD	FT.	MFG.	VISC.-SEC.			
2.	DRILL ACTUAL				D.C. ID	OD	FT.	TYPE	PV/VP			
3.	REAMING				STB RMR	OD	FT.	JETS 1/32"	GELS			
4.	CORING				D.C. ID	OD	FT.	SER. NO.	WL -CC'S			
5.	CONDITION MUD & CIRCULATE				STB RMR	OD	FT.	DEPTH OUT	pH			
6.	TRIPS							DEPTH IN	SOLIDS %			
7.	LUBRICATE RIG							TOTAL FTG.				
8.	REPAIR RIG							TOTAL HRS. RUN				
9.	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1/8" T/B' GAGE		MUD & CHEMICALS ADDED			
10.	DEVIATION SURVEY				SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.
11.	WIRE LINE LOGS				KELLY DOWN	FT.						
12.	RUN CASING & CEMENT				TOTAL	FT.						
13.	WAIT ON CEMENT				WT. OF STRING	LBS.						
14.	NIPPLE UP B.O.P.											
15.	TEST B.O.P.											
16.	DRILL STEM TEST											
17.	PLUG BACK											
18.	SQUEEZE CEMENT											
19.	FISHING											
20.	DIR. WORK											
21.												
22.												
23.												
COMPLETION												
A. PERF'CT'N												
B. TBG TRIPS												
C. TREATING												
D. SWABBING												
E. TESTING												
F. ADDIT'NL												
G.												
TOTALS												
DAY WORK TIME SUMMARY (OFFICE USE ONLY)												
HRS. W/CONTR. D.P.												
HRS. W/OPR. D.P.												
HRS. WO/D.P.												
HRS. STANDBY												
TOTAL DAY WORK												
NO. OF DAYS FROM SPUD												
CUMULATIVE ROTATING HRS.												
TOTAL MUD COST												

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN
FROM	TO											
6000												
1-1/2" drill pipe												
DEVIATION RECORD												
TIME LOG												
FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
1200	230	2 1/2		LCCING								
220	530	3		LAY DOWN DRILL COLLARS								
520	645	1 1/4		RUN IN OPEN END 1-1/2" DRILL PIPE								
645	800	1 1/4		PICKUP 20 SINGLE								
RAN PLUG #1 6000-4740 320 SAX CONST. CE												
w/4% GEL RUN IN 2 STAGES												
DISPLACE W/MUD												
DRILLER: L. Matten												
FOOTAGE												
FROM	TO	DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN
DEVIATION RECORD												
TIME LOG												
FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
800	1100	3		RIG TO & RUN PLUG #1 & DISPLACE								
1100	300	4		LAY DOWN PIPE SAME								
300	400	1		RUN PLUG #2								
R. BATES HURT Right Wrist												
PLUG #2 667-567 45 SAX CONST. C												
w/3% CMC2												
DISPLACED w/WATER												
DRILLER: J. Tracey												
FOOTAGE												
FROM	TO	DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN
DEVIATION RECORD												
TIME LOG												
FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
400	1130	7 1/2		W.O.C								
1130	1200	1/2		RUN INTO FEEL PLUG #2								
FELT PLUG #2 @ 555												
DRILLER												



LEASE BARRY ISLAND	WELL NO. A-42	API WELL NUMBER	DATE 3-10-71						
OPERATOR HORN RIVER RES.	CONTRACTOR PETROLIA DRILLING	RIG NO. 7							
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>							
D.P. SIZE	WT./FT.	GRADE	TOOL JT. O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1	EMSCO	0.500	16
						2	NSCO	0.150	14

LOCATION	WIRE LINE RECORD	REEL NO.								
SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	R/R. TO CSG. HO.	SET AT	SIZE	NO. LINES	FT. SLIPPED	
LAST CASING TUBING OR LINER							FT. CUT OFF			PRESENT LENGTH
							TOM MI. OR TRIPS SINCE LAST CUT			
							CUMULATIVE TOM MI. OR TRIPS			

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	
1.	RIG UP AND TEAR DOWN				STB RMR OD	FT.	MFG.			PRESSURE GRADIENT	
2.	DRILL ACTUAL				D.C. ID OD	FT.	TYPE			VISC.-SEC.	
3.	REAMING				STB RMR OD	FT.	JETS 1/32"			PV/YP	
4.	CORING				D.C. ID 6 1/2 OD	550.40	SER. NO.			GELS.	
5.	CONDITION MUD & CIRCULATE				STB RMR OD	FT.	DEPTH OUT			WL -CC'S	
6.	TRIPS				1 X 0 SUB	2.15	DEPTH IN			pH	
7.	LUBRICATE RIG				1 SURVEY	7.72	TOTAL FTG.			SOLIDS %	
8.	REPAIR RIG						TOTAL HRS. RUN				
9.	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1/8" T/B GAGE			MUD & CHEMICALS ADDED	
10.	DEVIATION SURVEY				SINGLES DP	FT.	GPM/ PD-PSI			TYPE	AMT.
11.	WIRE LINE LOGS				KELLY DOWN	FT.					
12.	RUN CASING & CEMENT				TOTAL	FT.					
13.	WAIT ON CEMENT				WT. OF STRING	LBS.					
14.	NIPPLE UP B.O.P.										
15.	TEST B.O.P.										
16.	DRILL STEM TEST										
17.	PLUG BACK										
18.	SQUEEZE CEMENT				STB RMR OD	FT.	MFG.			PRESSURE GRADIENT	
19.	FISHING				D.C. ID 6 1/2 OD	550.40	TYPE			VISC.-SEC.	
20.	DIR. WORK				STB RMR OD	FT.	JETS 1/32"			PV/YP	
21.	V. SURVEY				D.C. ID OD	FT.	SER. NO.			GELS.	
22.					STB RMR OD	FT.	DEPTH OUT			WL -CC'S	
23.					1 X 0 SUB	2.15	DEPTH IN			pH	
							TOTAL FTG.			SOLIDS %	
							TOTAL HRS. RUN				
					STANDS DP	FT.	COND. 1/8" T/B GAGE			MUD & CHEMICALS ADDED	
					SINGLES DP	FT.	GPM/ PD-PSI			TYPE	AMT.
					KELLY DOWN	FT.					
					TOTAL	FT.					
					WT. OF STRING	LBS.					

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN	
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.
6000											
DEVIATION RECORD											
TIME LOG		ELAPSED TIME		CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO										
1200	430	4 1/2		LOGGING							
430	800	3 1/2		RIG UP DIRECTIONAL SURVEY & RUN SAME							
DRILLER <i>[Signature]</i>											

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	
1.	RIG UP AND TEAR DOWN				STB RMR OD	FT.	MFG.			PRESSURE GRADIENT	
2.	DRILL ACTUAL				D.C. ID OD	FT.	TYPE			VISC.-SEC.	
3.	REAMING				STB RMR OD	FT.	JETS 1/32"			PV/YP	
4.	CORING				D.C. ID 6 1/2 OD	550.40	SER. NO.			GELS.	
5.	CONDITION MUD & CIRCULATE				STB RMR OD	FT.	DEPTH OUT			WL -CC'S	
6.	TRIPS				1 X 0 SUB	2.15	DEPTH IN			pH	
7.	LUBRICATE RIG				1 SURVEY	7.72	TOTAL FTG.			SOLIDS %	
8.	REPAIR RIG						TOTAL HRS. RUN				
9.	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1/8" T/B GAGE			MUD & CHEMICALS ADDED	
10.	DEVIATION SURVEY				SINGLES DP	FT.	GPM/ PD-PSI			TYPE	AMT.
11.	WIRE LINE LOGS				KELLY DOWN	FT.					
12.	RUN CASING & CEMENT				TOTAL	FT.					
13.	WAIT ON CEMENT				WT. OF STRING	LBS.					
14.	NIPPLE UP B.O.P.										
15.	TEST B.O.P.										
16.	DRILL STEM TEST										
17.	PLUG BACK										
18.	SQUEEZE CEMENT				STB RMR OD	FT.	MFG.			PRESSURE GRADIENT	
19.	FISHING				D.C. ID 6 1/2 OD	550.40	TYPE			VISC.-SEC.	
20.	DIR. WORK				STB RMR OD	FT.	JETS 1/32"			PV/YP	
21.	V. SURVEY				D.C. ID OD	FT.	SER. NO.			GELS.	
22.					STB RMR OD	FT.	DEPTH OUT			WL -CC'S	
23.					1 X 0 SUB	2.15	DEPTH IN			pH	
							TOTAL FTG.			SOLIDS %	
							TOTAL HRS. RUN				
					STANDS DP	FT.	COND. 1/8" T/B GAGE			MUD & CHEMICALS ADDED	
					SINGLES DP	FT.	GPM/ PD-PSI			TYPE	AMT.
					KELLY DOWN	FT.					
					TOTAL	FT.					
					WT. OF STRING	LBS.					

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN	
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.
6000											
DEVIATION RECORD											
TIME LOG		ELAPSED TIME		CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO										
800	945	1 3/4		RUN DIRECTIONAL SURVEY							
945	1215	2 1/2		HOIST SURVEY							
1215	1230	1/4		LAY DOWN SURVEY TOOL							
1230	400	3 1/2		RUN VELOCITY SURVEY							
DRILLER <i>[Signature]</i>											

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	
1.	RIG UP AND TEAR DOWN				STB RMR OD	FT.	MFG.			PRESSURE GRADIENT	
2.	DRILL ACTUAL				D.C. ID OD	FT.	TYPE			VISC.-SEC.	
3.	REAMING				STB RMR OD	FT.	JETS 1/32"			PV/YP	
4.	CORING				D.C. ID 6 1/2 OD	550.40	SER. NO.			GELS.	
5.	CONDITION MUD & CIRCULATE				STB RMR OD	FT.	DEPTH OUT			WL -CC'S	
6.	TRIPS				1 X 0 SUB	2.15	DEPTH IN			pH	
7.	LUBRICATE RIG				1 SURVEY	7.72	TOTAL FTG.			SOLIDS %	
8.	REPAIR RIG						TOTAL HRS. RUN				
9.	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1/8" T/B GAGE			MUD & CHEMICALS ADDED	
10.	DEVIATION SURVEY				SINGLES DP	FT.	GPM/ PD-PSI			TYPE	AMT.
11.	WIRE LINE LOGS				KELLY DOWN	FT.					
12.	RUN CASING & CEMENT				TOTAL	FT.					
13.	WAIT ON CEMENT				WT. OF STRING	LBS.					
14.	NIPPLE UP B.O.P.										
15.	TEST B.O.P.										
16.	DRILL STEM TEST										
17.	PLUG BACK										
18.	SQUEEZE CEMENT				STB RMR OD	FT.	MFG.			PRESSURE GRADIENT	
19.	FISHING				D.C. ID 6 1/2 OD	550.40	TYPE			VISC.-SEC.	
20.	DIR. WORK				STB RMR OD	FT.	JETS 1/32"			PV/YP	
21.	V. SURVEY				D.C. ID OD	FT.	SER. NO.			GELS.	
22.					STB RMR OD	FT.	DEPTH OUT			WL -CC'S	
23.					1 X 0 SUB	2.15	DEPTH IN			pH	
							TOTAL FTG.			SOLIDS %	
							TOTAL HRS. RUN				
					STANDS DP	FT.	COND. 1/8" T/B GAGE			MUD & CHEMICALS ADDED	
					SINGLES DP	FT.	GPM/ PD-PSI			TYPE	AMT.
					KELLY DOWN	FT.					
					TOTAL	FT.					
					WT. OF STRING	LBS.					

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN	
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.
6000											
DEVIATION RECORD											
TIME LOG		ELAPSED TIME		CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO										
400	945	5 3/4		RUN VELOCITY SURVEY							
945	1200	2 1/4		WAIT ON D.P. METER & TOOL LOG							
DRILLER <i>[Signature]</i>											



DAILY DRILLING REPORT

REPORT NO.

LEASE BARRY ISLAND	WELL NO. A-42	API WELL NUMBER	DATE 3-9-71						
OPERATOR HORN RIVER RES	CONTRACTOR PETROLIA DRILLING	RIG NO. 7							
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>							
O.P. SIZE	WT./FT.	GRADE	TOOL J.T. Q.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1	EMSCO	D500	16
						2	NSCO	C-150	14

LOCATION

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	WIRE LINE RECORD	REEL NO.
							SIZE	NO. LINES
							FT. CUT OFF	PRESENT LENGTH
							TON MI. OR TRIPS SINCE LAST CUT	
							CUMULATIVE TON MI. OR TRIPS	

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT
1	RIG UP AND TEAR DOWN								
2	DRILL ACTUAL	1 3/4			4 STB 6 1/4 OD	21.54	7 7/8 REED	12:00	400
3	REAMING				D.C. ID OD		SCM	9:1	9:1
4	CORING				STB RMR OD		JETS 1/32"	6:5	6:5
5	CONDITION MUD & CIRCULATE	3			19 D.C. 6 1/2 OD	550.40	659587	14:25	19:22
6	TRIPS	3 3/4			STB RMR OD		DEPTH OUT		
7	LUBRICATE RIG	1/4	1/4		1 WIPER	3.70	5410		
8	REPAIR RIG				1 NO. SUB	2.15	561		
9	CUT OFF DRILLING LINE						42		
10	DEVIATION SURVEY				57 STANDS DP				
11	WIRE LINE LOGS				1 SINGLES DP	538786			
12	RUN CASING & CEMENT				KELLY DOWN	15			
13	WAIT ON CEMENT				TOTAL	5981			
14	NIPPLE UP B.O.P.				WT. OF STRING	108			
15	TEST B.O.P.								
16	DRILL STEM TEST								
17	PLUG BACK								
18	SQUEEZE CEMENT				4 STB 6 1/4 OD	21.54	7 7/8 REED	8:00	9:00
19	FISHING				19 D.C. 6 1/2 OD	550.40	SCM	9:00	6:5
20	DIR. WORK				STB RMR OD		JETS 1/32"	19:24	
21					D.C. ID OD		DEPTH OUT		
22					STB RMR OD		6000		
23					1 WIPER	3.70	5410		
					1 NO. SUB	2.15	590		
							43		
					37 STANDS DP	5356.37			
					1 SINGLES DP	31.60			
					KELLY DOWN	34			
					TOTAL	6007			
					WT. OF STRING	108			
COMPLETION				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
A	PERF'R'T'N				BIT	FT.	BIT NO.	TIME	WEIGHT
B	TBG TRIPS						SIZE		
C	TREATING				STB RMR OD		MFG.		
D	SWABBING				D.C. ID OD		TYPE		
E	TESTING				STB RMR OD		JETS 1/32"		
F	ADDIT'N'L				D.C. ID OD		SER. NO.		
G					STB RMR OD		DEPTH OUT		
							6000		
					1 WIPER	3.70	5410		
					1 NO. SUB	2.15	590		
							43		
					37 STANDS DP	5356.37			
					1 SINGLES DP	31.60			
					KELLY DOWN	34			
					TOTAL	6007			
					WT. OF STRING	108			
TOTALS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
DAY WORK TIME SUMMARY (OFFICE USE ONLY)				BIT		FT.	BIT NO.	TIME	WEIGHT
HRS. W/CONTR. D.P.							SIZE		
HRS. W/OPR. D.P.				STB RMR OD			MFG.		
HRS. W/O D.P.				D.C. ID OD			TYPE		
HRS. STANDBY				STB RMR OD			JETS 1/32"		
				D.C. ID OD			SER. NO.		
				STB RMR OD			DEPTH OUT		
							6000		
				1 WIPER		3.70	5410		
				1 NO. SUB		2.15	590		
							43		
				37 STANDS DP		5356.37			
				1 SINGLES DP		31.60			
				KELLY DOWN		34			
				TOTAL		6007			
				WT. OF STRING		108			
TOTAL DAY WORK				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
				BIT		FT.	BIT NO.	TIME	WEIGHT
							SIZE		
				STB RMR OD			MFG.		
				D.C. ID OD			TYPE		
				STB RMR OD			JETS 1/32"		
				D.C. ID OD			SER. NO.		
				STB RMR OD			DEPTH OUT		
							6000		
				1 WIPER		3.70	5410		
				1 NO. SUB		2.15	590		
							43		
				37 STANDS DP		5356.37			
				1 SINGLES DP		31.60			
				KELLY DOWN		34			
				TOTAL		6007			
				WT. OF STRING		108			
NO. OF DAYS FROM SPUD				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CUMULATIVE ROTATING HRS.				BIT		FT.	BIT NO.	TIME	WEIGHT
TOTAL MUD COST							SIZE		
				STB RMR OD			MFG.		
				D.C. ID OD			TYPE		
				STB RMR OD			JETS 1/32"		
				D.C. ID OD			SER. NO.		
				STB RMR OD			DEPTH OUT		
							6000		
				1 WIPER		3.70	5410		
				1 NO. SUB		2.15	590		
							43		
				37 STANDS DP		5356.37			
				1 SINGLES DP		31.60			
				KELLY DOWN		34			
				TOTAL		6007			
				WT. OF STRING		108			

MORNING TOUR

DAY TOUR

EVENING TOUR

FOOTAGE		DR. D. RM. R. CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	POTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SC. P. M. COMPLE.
5856	5981	125		3' FUEL.	45	30	1200	5	60	
DEVIATION RECORD										
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
FROM	TO									
12:00	1:30	1 1/2		DRILL						
1:30	1:45	1/4		RIG SERVICE						
1:45	8:00	6 1/4		DRILL						
FOOTAGE										
FROM	TO	DR. D. RM. R. CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	POTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
5981	6000	19						LINER SIZE	S.P.M.	SC. P. M. COMPLE.
5981	6000	19						40	30	1200
DEVIATION RECORD										
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
FROM	TO									
8:00	9:00	1		DRILL						
9:00	10:00	1		Circ Bit, Hole Sample @ 6000'						
FOOTAGE										
FROM	TO	DR. D. RM. R. CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	POTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
6000								LINER SIZE	S.P.M.	SC. P. M. COMPLE.
6000										
DEVIATION RECORD										
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
FROM	TO									
4:00	4:15	1/4		FINISH OUT TO LOG						
4:15	4:30	1/4		RIG TO LOG						
4:30				LOGGING						



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

PETROLIA OILWELL DRILLING LTD.

DAILY DRILLING REPORT REPORT NO.

LEASE BERRY ISLAND A-42	WELL NO.	API WELL NUMBER	DATE 3-8-71
OPERATOR HORN RIVER RES	CONTRACTOR PETROLIA DRILLING		RIG NO. 7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>W. Coleman</i>	
D.P. SIZE	WT./FT.	GRADE	TOOL JT. Q.D.
			TYPE THREAD
			STRING NO.
			PUMP NO.
			PUMP MANUFACTURER
			TYPE
			STROKE LENGTH

LOCATION	WIRE LINE RECORD	REEL NO.
SIZE	MAKE	WT. & GR.
NO. JOINTS	FEET	RKB. TO CSG. HD.
SET AT	SIZE	NO. LINES
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	NO.	BIT	FT.	BIT NO.	TIME	WEIGHT	STROKE LENGTH
1	RIG UP AND TEAR DOWN										
2	DRILL ACTUAL	7 3/4	7 1/2		4	STB 6 1/4 OD	21.54	FT. MFG.	REED	1200	300
3	REAMING					D.C. ID OD		FT. TYPE	SCM.	9.1	9.1
4	CORING					STB RMR OD		FT. JETS 1/32"	12 13 13	55	62
5	CONDITION MUD & CIRCULATE				19	D.C. ID OD	550.40	FT. SER. NO.	659587	14	20
6	TRIPS		1/2	1		STB RMR OD		FT. DEPTH OUT		20	30
7	LUBRICATE RIG	1/4	1/4		1	WIPER	3.70	DEPTH IN	5410		
8	REPAIR RIG				1	XO SUB	2.15	TOTAL FTG.	237		
9	CUT OFF DRILLING LINE							TOTAL HRS. RUN	20		
10	DEVIATION SURVEY				53	STANDS DP		COND. 1/8" T/B GAGE			
11	WIRE LINE LOGS				2	SINGLES DP	5042.73	GPM/ PD-PSI			
12	RUN CASING & CEMENT					KELLY DOWN	27				
13	WAIT ON CEMENT					TOTAL	56.47	FT.			
14	NIPPLE UP B.O.P.					WT. OF STRING	105	LBS.			

FOOTAGE		DR. D. RMR. CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN
FROM	TO											
5545	5647	102			45	30	1200	5	60			
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION		
TIME LOG		ELAPSED TIME	CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS									
FROM	TO											
1200	130	1 1/2	DRILL									
130	145	1/4	RIG SERVICE									
145	800	6 1/4	DRILL									

COMPLETION		NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
A. PERF'R'TN									
B. TBG TRIPS									
C. TREATING									
D. SWABBING									
E. TESTING									
F. ADDIT'L									
G.									
TOTALS	8 8 8								

FOOTAGE		DR. D. RMR. CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN
FROM	TO											
5647	5756	109			40	30	1200	5	60			
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION		
TIME LOG		ELAPSED TIME	CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS									
FROM	TO											
800	845	3/4	DRILL									
845	900	1/4	RIG SERVICE - Bops @ 4' HAY									
900	330	6 1/2	DRILL									
330	400	1/2	Dummy Trip 15 STDS No Fill - Hole Good									

COMPLETION		NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
A. PERF'R'TN									
B. TBG TRIPS									
C. TREATING									
D. SWABBING									
E. TESTING									
F. ADDIT'L									
G.									
TOTALS	8 8 8								

FOOTAGE		DR. D. RMR. CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN
FROM	TO											
5756	5856	100			45	30	1200	5	60			
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION		
TIME LOG		ELAPSED TIME	CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS									
FROM	TO											
400	500	1	FINISH Dummy Trip									
500	1200	7	DRILL									



REPORT NO.

DAI... REPORT NO. DATE 3-7-71

LEASE OPERATOR BERRY ISLAND A-42 HORN RIVER RES. SIGNATURE OF OPERATOR'S REPRESENTATIVE

WELL NO. API WELL NUMBER CONTRACTOR PETROLIA DRILLING SIGNATURE OF CONTRACTOR'S TOOL PUSHER W. Coleman

LOCATION SIZE MAKE WT. & CR. NO. JOINTS FEET RKB. TO CSG. HD. SET AT

WIRE LINE RECORD REEL NO. SIZE NO. LINES FT. CUT OFF PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT CUMULATIVE TON MI. OR TRIPS

D.P. SIZE WT./FT. GRADE TOOL JT. Q.D. TYPE THREAD STRING NO. PUMP NO. PUMP MANUFACTURER TYPE STROKE LENGTH

TIME DISTRIBUTION - HOURS

NO. DRILLING ASSEMBLY (At end of tour) BIT RECORD MUD RECORD

TIME LOG

DEVIATION RECORD

FOOTAGE

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM WT. ON BIT 1000+ PUMP PRESS PUMP NO. LINER SIZE S.P.M. LINER SIZE S.P.M. METHOD RUN

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

COMPLETION

TOTALS

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P. HRS. W/OPR. D.P. HRS. W/D.P. HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD CUMULATIVE ROTATING HRS. TOTAL MUD COST

NO. DRILLING ASSEMBLY (At end of tour) BIT RECORD MUD RECORD

TIME LOG

DEVIATION RECORD

FOOTAGE

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM WT. ON BIT 1000+ PUMP PRESS PUMP NO. LINER SIZE S.P.M. LINER SIZE S.P.M. METHOD RUN

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

NO. DRILLING ASSEMBLY (At end of tour) BIT RECORD MUD RECORD

TIME LOG

DEVIATION RECORD

FOOTAGE

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM WT. ON BIT 1000+ PUMP PRESS PUMP NO. LINER SIZE S.P.M. LINER SIZE S.P.M. METHOD RUN

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

NO. DRILLING ASSEMBLY (At end of tour) BIT RECORD MUD RECORD

TIME LOG

DEVIATION RECORD

FOOTAGE

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM WT. ON BIT 1000+ PUMP PRESS PUMP NO. LINER SIZE S.P.M. LINER SIZE S.P.M. METHOD RUN

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER



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

PETROLIA OILWELL DRILLING LTD.

DAILY DRILLING REPORT

REPORT NO.

LEASE BERRY ISL. A-42	WELL NO.	API WELL NUMBER	DATE MAR 6/71						
OPERATOR HORN RIVER RES.	CONTRACTOR PETROLIA								
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>							
D.P. SIZE	WT./FT.	GRADE	TOOL JT. Q.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1	Emco	D-500	16
						2	NAT.	C-150	14

LOCATION	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	WIRE LINE RECORD	REEL NO.
								NO. LINES	FT. SLIPPED
LAST CASING TUBING OR LINER								FT. CUT OFF	PRESENT LENGTH
								TON M. OR TRIPS SINCE LAST CUT	
								CUMULATIVE TON MI. OR TRIPS	

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
1	RIG UP AND TEAR DOWN				STB RMR	1 1/4	OD	21.54	FT.	MFG.	SMITH
2	DRILL ACTUAL	7:30	6/4	7:14	D.C. ID	6 1/2	OD	550.40	FT.	TYPE	SSS
3	REAMING				STB RMR	OD			FT.	JETS 1/32"	12/12/12
4	CORING				D.C. ID	OD			FT.	SER. NO.	AA476
5	CONDITION MUD & CIRCULATE				STB RMR	OD			FT.	DEPTH OUT	
6	TRIPS				1	20		2.15	DEPTH IN	4890	
7	LUBRICATE RIG	1/4	1/4	1/4	1	WIPER		3.70	TOTAL FTG.	301	
8	REPAIR RIG								TOTAL HRS. RUN	25 1/4	
9	CUT OFF DRILLING LINE				49	STANDS DP			COND. 1/8" T/B' GAGE		
10	DEVIATION SURVEY				2	SINGLES DP			GPM/ PD-PSI		
11	WIRE LINE LOGS					KELLY DOWN		210.40	FT.		
12	RUN CASING & CEMENT					TOTAL		5191	FT.		
13	WAIT ON CEMENT					WT. OF STRING		105	LBS.		
14	NIPPLE UP B.O.P.										
15	TEST B.O.P.										
16	DRILL STEM TEST										
17	PLUG BACK										
18	SQUEEZE CEMENT										
19	FISHING										
20	DIR. WORK										
21	CONS BOARD		1/2								
22											
23											

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
1	RIG UP AND TEAR DOWN				STB RMR	6 1/4	OD	21.54	FT.	MFG.	SM.
2	DRILL ACTUAL				D.C. ID	OD			FT.	TYPE	SSS
3	REAMING				STB RMR	OD			FT.	JETS 1/32"	12/12/12
4	CORING				D.C. ID	OD			FT.	SER. NO.	AA476
5	CONDITION MUD & CIRCULATE				STB RMR	OD			FT.	DEPTH OUT	
6	TRIPS				1	WIPER		3.70	DEPTH IN	4890	
7	LUBRICATE RIG				1	XO. SUB		2.15	TOTAL FTG.	387	
8	REPAIR RIG								TOTAL HRS. RUN	32	
9	CUT OFF DRILLING LINE				49	STANDS DP			COND. 1/8" T/B' GAGE		
10	DEVIATION SURVEY				2	SINGLES DP		466.45	GPM/ PD-PSI		
11	WIRE LINE LOGS					KELLY DOWN		34	FT.		
12	RUN CASING & CEMENT					TOTAL		5277	FT.		
13	WAIT ON CEMENT					WT. OF STRING		105	LBS.		
14	NIPPLE UP B.O.P.										
15	TEST B.O.P.										
16	DRILL STEM TEST										
17	PLUG BACK										
18	SQUEEZE CEMENT										
19	FISHING										
20	DIR. WORK										
21	CONS BOARD		1/2								
22											
23											

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
1	RIG UP AND TEAR DOWN				STB RMR	6 1/4	OD	21.54	FT.	MFG.	SM.
2	DRILL ACTUAL				D.C. ID	6 1/2	OD	550.40	FT.	TYPE	SSS
3	REAMING				STB RMR	OD			FT.	JETS 1/32"	12/12/12
4	CORING				D.C. ID	OD			FT.	SER. NO.	AA476
5	CONDITION MUD & CIRCULATE				STB RMR	OD			FT.	DEPTH OUT	
6	TRIPS				1	WIPER		3.70	DEPTH IN	4890	
7	LUBRICATE RIG				1	XO. SUB		2.15	TOTAL FTG.	387	
8	REPAIR RIG								TOTAL HRS. RUN	32	
9	CUT OFF DRILLING LINE				49	STANDS DP			COND. 1/8" T/B' GAGE		
10	DEVIATION SURVEY				2	SINGLES DP		466.45	GPM/ PD-PSI		
11	WIRE LINE LOGS					KELLY DOWN		34	FT.		
12	RUN CASING & CEMENT					TOTAL		5277	FT.		
13	WAIT ON CEMENT					WT. OF STRING		105	LBS.		
14	NIPPLE UP B.O.P.										
15	TEST B.O.P.										
16	DRILL STEM TEST										
17	PLUG BACK										
18	SQUEEZE CEMENT										
19	FISHING										
20	DIR. WORK										
21	CONS BOARD		1/2								
22											
23											

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
1	RIG UP AND TEAR DOWN				STB RMR	6 1/4	OD	21.54	FT.	MFG.	SM.
2	DRILL ACTUAL				D.C. ID	6 1/2	OD	550.40	FT.	TYPE	SSS
3	REAMING				STB RMR	OD			FT.	JETS 1/32"	12/12/12
4	CORING				D.C. ID	OD			FT.	SER. NO.	AA476
5	CONDITION MUD & CIRCULATE				STB RMR	OD			FT.	DEPTH OUT	
6	TRIPS				1	WIPER		3.70	DEPTH IN	4890	
7	LUBRICATE RIG				1	XO. SUB		2.15	TOTAL FTG.	488	
8	REPAIR RIG								TOTAL HRS. RUN	39 3/4	
9	CUT OFF DRILLING LINE				50	STANDS DP		4697.12	COND. 1/8" T/B' GAGE		
10	DEVIATION SURVEY				2	SINGLES DP		62.60	GPM/ PD-PSI		
11	WIRE LINE LOGS					KELLY DOWN			FT.		
12	RUN CASING & CEMENT					TOTAL		5378	FT.		
13	WAIT ON CEMENT					WT. OF STRING		106	LBS.		
14	NIPPLE UP B.O.P.										
15	TEST B.O.P.										
16	DRILL STEM TEST										
17	PLUG BACK										
18	SQUEEZE CEMENT										
19	FISHING										
20	DIR. WORK										
21	CONS BOARD		1/2								
22											
23											

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000+	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCHEMATIC
5128	5191				98	25	1450	5	54	
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
		12:00	12:15	15		RIG SERVICE				
		12:15	8:00	7 1/2		DRILLING.				

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000+	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCHEMATIC
5191	5277				46	35	1400	5	54	
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
		8:00	10:00	2		DRILL				
		10:00	10:15	15		RIG SERVICE & CHECK B.O.P.				
		10:15	2:30	4 1/4		DRILL				
		2:30	4:00	1 1/2		CONSERVATION CHECK & REPLACE HYDRAULIC LINE				

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000+	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCHEMATIC
5277	5378				46	30	1450	5	60	
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
		4:00	7:00	3		DRILL				
		7:00	7:15	15		RIG SERVICE				
		7:15	12:00	4 3/4		DRILL				



REPORT NO.

LOCATION								WIRE LINE RECORD			REEL NO.
LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.		NE. JOINT	FEET	RXL. TO CSG. HD.	SET A.Y.	SIZE	NO. LINES	P.Y. SLIPPER
									P.T. CUT OFF		PRESENT LENGTH
									TON MI. OR TRIPS SINCE LAST CUT		
									CUMULATIVE TON MI. OR TRIPS		

FOOTAGE		DR. DEPTH RM. - R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1		PUMP NO.		METHOD RUN																				
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	VAL. - D. - C. -																				
4890	4910	30		11" FUEL	78	20	1200	5	60																							
<table border="1"> <thead> <tr> <th>DEVIATION RECORD</th> <th>DEPTH</th> <th>DEV.</th> <th>DIRECTION</th> <th>DEPTH</th> <th>DEV.</th> <th>DIRECTION</th> <th>DEPTH</th> <th>DEV.</th> <th>DIRECTION</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>													DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION										
DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION																							
TIME LOG			ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS II: SEQUENCE AND REMARKS																											
FROM	TO																															
1200	530	5 1/2			PICK UP STAB. RUN IN HOLE. KEY SEAT WIPER AT 3834 - 11 STANDS & 1 SINGLE OFF BOTTOM - REAM 190 FT. TIGHT HOLE NO FILL. DRILLING.																											
530	800	2 1/2																														

[illegible][illegible]

DAILY DRILLING REPORT REPORT NO.

LEASE BERRY ISL. A-42	WELL NO.	API WELL NUMBER	DATE MAR. 7/71
OPERATOR HORN RIVER RES.	CONTRACTOR PETROLIA		
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
D.P. SIZE	WT./FT.	GRADE	TOOL JT. Q.D.
			TYPE THREAD
			STRING NO.
			PUMP NO.
			PUMP MANUFACTURER
			TYPE
			STROKES LENGTH

LOCATION	WIRE LINE RECORD	REEL NO.
SIZE	MAKE	WT. & CR.
NO. JOINTS	FEET	RKD. TO CSG. HD.
SET AT	SIZE	NO. LINES
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
1	RIG UP AND TEAR DOWN				4	STB RMR 6 1/4 OD	21.54 FT.	MFG. 5m. 5H			
2	DRILL ACTUAL	6 1/2			19	D.C. ID 6 1/2 OD	530.40 FT.	TYPE 6JS			
3	REAMING				4	STB RMR OD	FT.	JETS 1/32"			
4	CORING				D.C. ID OD	FT.	SER. NO. CT4825				
5	CONDITION MUD & CIRCULATE	3/4			STB RMR OD	FT.	DEPTH OUT				
6	TRIPS				1	X.O.	2.15	DEPTH IN	4778		
7	LUBRICATE RIG	1/4					TOTAL FTG.	112			
8	REPAIR RIG						TOTAL HRS. RUN	7 3/4			
9	CUT OFF DRILLING LINE				45	STANDS DP	FT.	COND. 1/8" T/B/ GAGE			
10	DEVIATION SURVEY				2	SINGLES DP	4290.09 FT.	GPM/ PD-PSI			
11	WIRE LINE LOGS						KELLY DOWN	36.00 FT.			
12	RUN CASING & CEMENT						TOTAL	4890.18 FT.			
13	WAIT ON CEMENT						WT. OF STRING	100 M. LBS.			
14	NIPPLE UP B.O.P.										
15	TEST B.O.P.										
16	DRILL STEM TEST										
17	PLUG BACK										
18	SQUEEZE CEMENT										
19	FISHING										
20	DIR. WORK										
21											
22											
23											

FOOTAGE		DR. D. RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. S.P.M.	METHOD RUN
FROM	TO												
4800	4890	90				48	38	1200	5	62			
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS									
FROM	TO												
12:00	12:15	1 1/2		RIG SERVICE									
12:15	6:45	6 1/2		DRILLING									
6:45	7:30	3/4		CIRC. SAMPLE									
7:30													

NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC.-SEC.
STB RMR OD	FT.	MFG.	5m. 5H				
D.C. ID OD	FT.	TYPE	6JS				
STB RMR OD	FT.	JETS 1/32"	12/12/12				
D.C. ID OD	FT.	SER. NO.	CT4825				
STB RMR OD	FT.	DEPTH OUT	4890				
1	X.O.	2.15	DEPTH IN	4778			
	TEST TOOL	63.60	TOTAL FTG.	112			
			TOTAL HRS. RUN	7 3/4			
45	STANDS DP	FT.	COND. 1/8" T/B/ GAGE				
2	SINGLES DP	4290.09 FT.	GPM/ PD-PSI				
	KELLY DOWN	FT.					
	TOTAL	4905.24 FT.					
	WT. OF STRING	100 LBS.					

FOOTAGE		DR. D. RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. S.P.M.	METHOD RUN
FROM	TO												
4890													
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS									
FROM	TO												
8:00	8:45	3/4		CIRC. TO DST									
8:45	11:15	2 1/2		STRAP OUT									
11:15	1:30	2 1/4		MAKE UP TEST TOOL									
1:30	3:45	2 1/4		RUN IN SLIP 52' D. LINE									
3:45	4:00	1/4		HEAD UP TEST									
B&PE STRAP 4906.03													
DRILLER TALLY 4905.56													
DIFF .47													
DRILLER A. Mather													

NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC.-SEC.
STB RMR OD	FT.	MFG.	5m. 5H				
D.C. ID OD	FT.	TYPE	6JS				
STB RMR OD	FT.	JETS 1/32"	12/12/12				
D.C. ID OD	FT.	SER. NO.	CT4825				
STB RMR OD	FT.	DEPTH OUT	4890				
1	X.O.	2.15	DEPTH IN	4778			
	TEST TOOL	63.60	TOTAL FTG.	112			
			TOTAL HRS. RUN	7 3/4			
45	STANDS DP	FT.	COND. 1/8" T/B/ GAGE				
2	SINGLES DP	4290.09 FT.	GPM/ PD-PSI				
	KELLY DOWN	FT.					
	TOTAL	4905.24 FT.					
	WT. OF STRING	100 LBS.					

FOOTAGE		DR. D. RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. S.P.M.	METHOD RUN
FROM	TO												
4890													
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS									
FROM	TO												
4:00	5:00	1		HEAD UP TO TEST									
5:00	7:00	2		TESTING									
7:00	7:30	1/2		BIG ONE TESTING HEAD									
7:30	10:00	2 1/2		HOIST YES									
10:00	12:00	2		RECOVER CHARIS RAY PAPER & HEAD SAMPLE									
DRILLER A. Mather													



LEASE				WELL NO.		API WELL NUMBER				DATE	
Baker Ind. A-42										MAR 3/71	
OPERATOR						CONTRACTOR				RIG NO.	
Horn River Res						Petrovia				7	
SIGNATURE OF OPERATOR'S REPRESENTATIVE						SIGNATURE OF CONTRACTOR'S TOOL PUSHER					
						B. Kuchey.					
D.P. SIZE	WT./FT.	GRADE	TOOL JT Q.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER			TYPE	STROKE LENGTH
						1	Emco			D-500	16
						2	N.T.			C-150	14

LOCATION								WIRE LINE RECORD			REEL NO.
LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.		NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	SIZE	NO. LINES	FT. SLIPPED
									FT. CUT OFF		PRESENT LENGTH
									TON MI. OR TRIPS SINCE LAST CUT		
									CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION - HOURS					NO.		DRILLING ASSEMBLY (At end of hour)		BIT RECORD				MUD RECORD			
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT		FT.	BIT NO.				TIME				
1.	RIG UP AND TEAR DOWN							SIZE	7 1/8			WEIGHT				
2.	DRILL ACTUAL			11/4	4	STB RMR	6 1/4 OD	21.54	FT.	MFG.	H.W.	PRESSURE GRADIENT				
3.	REAMING			3/4	19	D.C ID	6 1/2 OD	550.40	FT.	TYPE	K 55R	VISC-SEC.				
4.	CORING					STB RMR	OD		FT.	JETS 1/32"	11 12 13	PV/YP	/	/	/	
5.	CONDITION A/D & CIRCULATE					D.C ID	OD		FT.	SER. NO.	25990	GELS	/	/	/	
6.	TRIPS			4		STB RMR	OD		FT.	DEPTH OUT	4778	WL-CC'S				
7.	LUBRICATE RIG			2	1	XC		215		DEPTH IN	4281	pH				
8.	REPAIR RIG									TOTAL FTG.	497	SOLIDS %				
9.	CUT OFF DRILLING LINE									TOTAL HRS. RUN	42 1/2					
10.	DEVIATION SURVEY				44	STANDS DP			FT.	COND. 1/8" T/B GAGE		MUD & CHEMICALS ADDED				
					1	SINGLES DP	4164.08		FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.	
	WIRE LINE LOGS					KELLY DOWN	40.00		FT.							
12.	RUN CASING & CEMENT					TOTAL	4778		FT.							
13.	WAIT ON CEMENT					WT. OF STRING	100		LBS.							

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14. NIPPLE UP B.O.P.		NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD			
15. TEST B.O.P.		BIT		FT.		BIT NO.				TIME			
16. DRILL STEM TEST						SIZE				WEIGHT			
17. PLUG BACK		4 STB RMR 6 1/4 OD		21.54 FT.		MFG.				PRESSURE GRADIENT			
18. SQUEEZE CEMENT		D.C. ID 1 OD		FT.		TYPE				VISC.-SEC.			
19. FISHING		STB RMR OD		FT.		JET 1/32"				PV/YP		/ / /	
20. DIR. WORK		D.C. ID 19 1/2 OD		550.40 FT.		SER. NO.				GELS.		/ / /	
21.		STB RMR OD		FT.		DEPTH OUT				WL.-CC'S.			
22.		1 X O. SUB		2.15		DEPTH IN				pH			
23.						TOTAL FTG.				SOLIDS %			
A. PERF'T'N						TOTAL HRS. RUN							
B. TBG TRIPS						COND. 1/8'S T/B GAGE							
C. TREATING		44 STANDS DP		FT.		GPM/ PD.-PSI		/ /		MUD & CHEMICALS ADDED			
D. SWABBING		2 SINGLES DP		4164.28 FT.						TYPE		AMT.	
E. TESTING		KELLY DOWN		110 FT.						TYPE		AMT.	
F. ADDIT'NL		TOTAL		4778 FT.									
		WT. OF STRING		100 LBS.									

FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO								LINER SIZE	S. P. M.	LINER SIZE	S. P. M.	SEALS USED
4778													
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

[illegible][illegible]

<u>FOOTAGE</u>		<u>DR- RM-R CORE-C</u>	<u>CORE NO.</u>	<u>FORMATION</u> (SHOW CORE RECOVERY)						<u>ROTARY RPM</u>	<u>WT. ON BIT "000"</u>	<u>PUMP PRESS</u>	<u>PUMP NO. 1</u>		<u>PUMP NO.</u>		METH. RUN
<u>FROM</u>	<u>TO</u>											<u>LINER SIZE</u>	<u>S.P.M.</u>	<u>LINER SIZE</u>	<u>S.P.M.</u>	<u>SCALING COMB.</u>	
778	4800	22							4838	600	5	60					

R

EVENING TO	TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS.
	FROM	TO			
	400	600	2.		WORK ON STEAM & WATER LINES
	600	700	1		HIGH PRESSURES & FLOW TEST
	700	930	2 1/2.		RUN IN W/ BIT
	930	945	1/4		BREAK CIRC 10. STOPS OFF B.C.M.
	945	1000	1/4		RUN IN W/ BIT
	1000	1045	3/4		BREAK CIRC & CLEAN 30' TO BIT
	1045	1200	1 1/4		PAUSE
					DRILLER



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

PETROLIA OILWELL DRILLING LTD.

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
BERRY ISL. A-42			MAR. 2/71
OPERATOR	CONTRACTOR		RIG NO.
HORN RIVER RES.	PETROLIA		7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
D.P. SIZE		WT./FT.	GRADE
TOOL JT. Q.D.		TYPE	THREAD
STRING NO.		PUMP NO.	PUMP MANUFACTURER
TYPE		STROKE LENGTH	
1		EmSCO	D-500
2		NAT.	C-150

LOCATION	WIRE LINE RECORD	REEL NO.
SIZE	MAKE	WT. & GR.
NO. JOINTS	FEET	RKB. TO CSG. HD.
SET AT	SIZE	NO. LINES
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
1	RIG UP AND TEAR DOWN										
2	DRILL ACTUAL	7 1/4	7		4	STB 6 1/4 OD	21.54	FT. MFG.	11.12.12	7 1/8	9.0
3	REAMING				19	D.C. 6 1/2 OD	550.40	FT. TYPE	X55R	75	70
4	CORING					STB RMR OD		FT. JETS 1/32"	11.12.12	69	2326
5	CONDITION MUD & CIRCULATE					D.C. ID OD		FT. SER. NO.		2527	
6	TRIPS					STB RMR OD		FT. DEPTH OUT		700	
7	LUBRICATE RIG	1/4	1/4		1	X.0	2.15	DEPTH IN	4281	9.0	
8	REPAIR RIG							TOTAL FTG.	395	74	
9	CUT OFF DRILLING LINE							TOTAL HRS. RUN	34 1/2		
10	DEVIATION SURVEY	3/4			43	STANDS DP		COND. 1/8" T/B/ GAGE	IN		
11	WIRE LINE LOGS				1	SINGLES DP	4669.87	GPM/ PD-PSI			
12	RUN CASING & CEMENT					KELLY DOWN	32.00	FT.			
13	WAIT ON CEMENT					TOTAL	4676	FT.			
14	NIPPLE UP B.O.P.					WT. OF STRING	98	LBS.			

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1	PUMP NO.	METHOD RUN
FROM	TO							LINE SIZE	S.P.M.	LINE SIZE
4591	4676	85		3 1/6" FUEL	45	35	1200	5	65	
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
FROM	TO									
12 00	12 15	1/4		RIG SERVICE						
12 15	8 00	7 1/4		DRILLING.						

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
1	RIG UP AND TEAR DOWN										
2	DRILL ACTUAL				4	STB 6 1/4 OD	21.54	FT. MFG.	11.12.12	7 1/8	9.0
3	REAMING				19	D.C. 6 1/2 OD	550.40	FT. TYPE	X55R	92	68
4	CORING					STB RMR OD		FT. JETS 1/32"	11.12.12	62	2837
5	CONDITION MUD & CIRCULATE					D.C. ID OD		FT. SER. NO.	28990	2530	2431
6	TRIPS					STB RMR OD		FT. DEPTH OUT			
7	LUBRICATE RIG				1	X.O. SUB	2.15	DEPTH IN	4281		
8	REPAIR RIG							TOTAL FTG.	484		
9	CUT OFF DRILLING LINE							TOTAL HRS. RUN	41 1/2		
10	DEVIATION SURVEY				4	STANDS DP		COND. 1/8" T/B/ GAGE			
11	WIRE LINE LOGS				1	SINGLES DP	4164.08	GPM/ PD-PSI			
12	RUN CASING & CEMENT				4	KELLY DOWN	27	FT.			
13	WAIT ON CEMENT					TOTAL	4765	FT.			
14	NIPPLE UP B.O.P.					WT. OF STRING	100	LBS.			

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1	PUMP NO.	METHOD RUN
FROM	TO							LINE SIZE	S.P.M.	LINE SIZE
4676	4765	89			45	35	1200	5	61	
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
FROM	TO									
8 00	8 15	1/4		RIG SERVICE & CHECK B.O.P.						
8 15	9 00	3/4		DRILL						
9 00	9 45	3/4		SURVEY						
9 45	4 00	6 1/4		DRILL.						

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
1	RIG UP AND TEAR DOWN										
2	DRILL ACTUAL				4	STB 6 1/4 OD	21.54	FT. MFG.	11.12.12	7 1/8	9.0
3	REAMING				19	D.C. 6 1/2 OD	550.40	FT. TYPE	X55R	69	30 1/4
4	CORING					STB RMR OD		FT. JETS 1/32"	11.12.12		
5	CONDITION MUD & CIRCULATE					D.C. ID OD		FT. SER. NO.	28990		
6	TRIPS					STB RMR OD		FT. DEPTH OUT	4778		
7	LUBRICATE RIG				1	X.O. SUB	2.15	DEPTH IN	4281		
8	REPAIR RIG							TOTAL FTG.	497		
9	CUT OFF DRILLING LINE							TOTAL HRS. RUN	42 1/2		
10	DEVIATION SURVEY				44	STANDS DP		COND. 1/8" T/B/ GAGE			
11	WIRE LINE LOGS				1	SINGLES DP	4164.08	GPM/ PD-PSI			
12	RUN CASING & CEMENT					KELLY DOWN	4000	FT.			
13	WAIT ON CEMENT					TOTAL	4778	FT.			
14	NIPPLE UP B.O.P.					WT. OF STRING	100	LBS.			

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1	PUMP NO.	METHOD RUN
FROM	TO							LINE SIZE	S.P.M.	LINE SIZE
4765	4778	13.			45	35	1200	5	61	
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
FROM	TO									
4 00	5 00	1		DRILL						
5 00	6 15	1 1/4		Circ. To CONDITION MUD						
6 15	12 00	5 3/4		HOIST F/BIT						



DAILY DRILLING REPORT

REPORT NO.

LEASE BERRY ISL. A-42	WELL NO.	API WELL NUMBER	DATE MAR 11/71						
OPERATOR HORN RIVER RES.	CONTRACTOR PETROLIA		RIG NO. 7						
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>							
D.P. SIZE	WT./FT.	GRADE	TOOL JT. Q.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1	EMSCO	D-500	16
						2	NAT.	C-150	14

LOCATION

LAST CASING
TUBING
OR LINER

SIZE

MAKE

WT. & GR.

NO. JOINTS

FEET

RKB. TO
CSG. HD.

SET AT

WIRE LINE RECORD

REEL NO.

SIZE

NO. LINES

FT. SLIPPED

FT. CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS
SINCE LAST CUTCUMULATIVE
TON MI. OR TRIPS

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT
1.	RIG UP AND TEAR DOWN								
2.	DRILL ACTUAL	1 1/2	7 1/4	6 3/4	4	STB RMR 6 1/4 OD	21.54 FT.	MFG. H.W.	4:00 5:30 7:00
3.	REAMING				19	D.C. ID 6 1/2 OD	550.40 FT.	TYPE X 55R	9.0 9.0 9.0
4.	CORING					STB RMR OD	FT.	JETS 1/32"	11 12 12
5.	CONDITION MUD & CIRCULATE					D.C. ID OD	FT.	SER. NO. 28990	VISC.-SEC. 100 8 5 70
6.	TRIPS	1 1/4		1 1/4		STB RMR OD	FT.	DEPTH OUT	PV/YP 29 44 26 36 23 29
7.	LUBRICATE RIG	1/4	1/4		1	26-0	2.15	DEPTH IN	GELS
8.	REPAIR RIG							TOTAL FTG.	WL -CC'S
9.	CUT OFF DRILLING LINE							TOTAL HRS. RUN	pH
10.	DEVIATION SURVEY	1/2			40	STANDS DP	FT.	COND. 1/8" T/B GAGE	SOLIDS %
11.	WIRE LINE LOGS				2	SINGLES DP	3820.03 FT.	GPW/ PD-PSI	
12.	RUN CASING & CEMENT					KELLY DOWN	36.00 FT.		
13.	WAIT ON CEMENT					TOTAL	4430. FT.		
14.	NIPPLE UP B.O.P.					WT. OF STRING	98 LBS.		
15.	TEST B.O.P.								
16.	DRILL STEM TEST								
17.	PLUG BACK								
18.	SQUEEZE CEMENT				4	STB RMR 6 1/4 OD	21.54 FT.	MFG. H.W.	
19.	FISHING					D.C. ID OD	FT.	TYPE X 55R	
20.	DIR. WORK					STB RMR OD	FT.	JET 1/32"	
21.					19	D.C. ID 6 1/2 OD	550.40 FT.	SER. NO. 28990	
22.						STB RMR OD	FT.	DEPTH OUT	
23.					1	X.O. SUB	2.15	DEPTH IN	
								TOTAL FTG.	
								TOTAL HRS. RUN	
					41	STANDS DP	FT.	COND. 1/8" T/B GAGE	
					2	SINGLES DP	3913.58 FT.	GPW/ PD-PSI	
						KELLY DOWN	23 FT.		
						TOTAL	4511 FT.		
						WT. OF STRING	98 LBS.		
COMPLETION									
A.	PERF'R'TN								
B.	TBG TRIPS								
C.	TREATING								
D.	SWABBING								
E.	TESTING								
F.	ADDIT'NL								
G.									
TOTALS 8 8 8									
DAY WORK TIME SUMMARY (OFFICE USE ONLY)									
HRS. W/CONTR. D.P.									
HRS. W/OPR. D.P.									
HRS. WO/D.P.									
HRS. STANDBY									
TOTAL DAY WORK									
NO. OF DAYS FROM SPUD									
CUMULATIVE ROTATING HRS.									
TOTAL MUD COST									

MORNING TOUR

DAY TOUR

EVENING TOUR

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000*	PUMP PRESS	PUMP NO. 1	PUMP NO.	METHOD RUN		
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SC. S PARTS COMPL.
4360	4430	70			45	35	1200	5	60			
4' 1"												
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
		12:00	12:15	1/4		Rig Service.						
		12:15	1:15	1		Drilling.						
		1:15	2:30	1 1/4		Hoist To 3700 Run Back To Bottom 60m Over.						
		2:30	8:00	5 1/2		Drilling.						
DRILLER <i>[Signature]</i>												
FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000*	PUMP PRESS	PUMP NO. 1	PUMP NO.	METHOD RUN		
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SC. S PARTS COMPL.
4430	4511	81			45	35	1200	5	60			
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
		8:00	8:30	1/2		Drill.						
		8:30	8:45	1/4		Rig Service & Check B.O.P.						
		8:45	9:15	1/2		Survey						
		9:15	4:00	6 3/4		Drill.						
DRILLER <i>[Signature]</i>												
FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000*	PUMP PRESS	PUMP NO. 1	PUMP NO.	METHOD RUN		
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SC. S PARTS COMPL.
4511	4591	80			45	35	1200	5	60			
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
		4:00	5:30	1 1/2		Drill.						
		5:30	6:45	1 1/4		Hoist 9 STD. To 3700 & Back To Btm.						
		6:45	12:00	5 1/4		Drill.						
DRILLER												



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

PETROLIA OILWELL DRILLING LTD.

LEASE				WELL NO.		API WELL NUMBER				DATE	
BERRY ISL. A-42										FEB 20/71	
OPERATOR				CONTRACTOR						RIG NO.	
HORN RIVER RES.				PETROLIA.						7	
SIGNATURE OF OPERATOR'S REPRESENTATIVE				SIGNATURE OF CONTRACTOR'S TOOL PUSHER							
											
D.P. SIZE	WT./FT.	GRADE	TOOL JT Q.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER		TYPE	STROKE LENGTH	
						1	EMSCO		D-500	16	
						2	NAT.		C-150	14	

LOCATION								WIRE LINE RECORD REEL NO.		
LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	SIZE	NO. LINES	FT. SLIPPED
								FT. CUT OFF	PRESENT LENGTH	
								TON MI. OR TRIPS SINCE LAST CUT		
								CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION — HOURS					NO.	DRILLING ASSEMBLY (At end of hour)		BIT RECORD				MUD RECORD			
CODE NO.	- OPERATION	MORN.	DAY	EVE.		BIT	FT.	BIT NO.			TIME				
1	RIG UP AND TEAR DOWN								6			5:00	7:00		
2	DRILL ACTUAL	2 1/4	2 1/2	6 1/4	4	STB RMR 6 1/4 OD	21.54	FT.	MFG.	REED	WEIGHT	9.0	9.00		
3	REAMING	5 3/4			19	D.C. ID 6 1/2 OD	545.40	FT.	TYPE	SHG	PRESSURE GRADIENT				
4	CORING					STB RMR OD		FT.	JETS 1/32"	11 11 12	VISC-SEC	55	9.0		
5	CONDITION MUD & CIRCULATE					D.C. ID OD		FT.	SER. NO.	786131	PV/YP	23	23 26 39		
6	TRIPS	5 1/4				STB RMR OD		FT.	DEPTH OUT		GELS				
7	LUBRICATE RIG	1 1/4	Y4		1	XO	2.15		DEPTH IN	4239	WL -CC'S				
8	REPAIR RIG								TOTAL FTG.	2.1	pH				
9	CUT OFF DRILLING LINE						3703.39		TOTAL HRS. RUN	2 1/4	SOLIDS %				
10	DEVIATION SURVEY			1 1/2	39	STANDS DP	3703.39	FT.	CONG. 1/8" T/B/ GAGE		MUD & CHEMICALS ADDED				
11	WIRE LINE LOGS					SINGLES DP		FT.	GPW/ PD-PSI		TYPE	AMT.	TYPE	AMT.	
12	RUN CASING & CEMENT					KELLY DOWN	29	FT.			400#				
13	WAIT ON CEMENT					TOTAL	4260	FT.							
						WT. OF STRING	96	LBS.							

[illegible][illegible]

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
1200	545	5 1/2		Reaming crooked hole.
545	800	2 1/2		Drilling.

14. NIPPLE UP B.O.P.		NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
15. TEST B.O.P.		BIT		FT. BIT NO.		TIME		8 ³⁰	
16. DRILL STEM TEST		SIZE		7 7/8		WEIGHT		9 ⁰⁰	
17. PLUG BACK		4 STB RMR 6 1/4 OD 21.54 FT.		MFG. REED		PRESSURE GRADIENT			
18. SQUEEZE CEMENT		D.C ID 1 OD 1 FT.		TYPE SHG.		VISC.-SEC.		55	
19. FISHING		STB RMR OD 1 FT.		JET 1/32"		PV/YP		20/24 / /	
20. DFR. WORK		D.C ID 6 1/2 OD 550.40 FT.		SER. NO.		786131		GELS. / / /	
21.		STB RMR OD 1 FT.		DEPTH OUT		4281		WL -CC'S	
22.		1 X.O. SUB 215		DEPTH IN		4239		pH	
23.				TOTAL FTG.		42		SOLIDS %	
24.				TOTAL HRS. RUN		43 1/4			
25.		39 STANDS DP		FT.		COND. 1/8" S T/B/ GAGE		4 / 1 / 1	
26.		1 SINGLES DP 3735.38 FT.		GPM/ PD-PSI		/ /		MUD & CHEMICALS ADDED	
27.		KELLY DOWN 18 FT.						TYPE AMT. TYPE AMT.	
28.		TOTAL 4281 FT.						GEL 700 [#]	
29.		WT. OF STRING 96 LBS.						BEN-EX 2 [#]	

[illegible]

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	4321	15 7/8							

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
8 ⁰⁰	10 ⁰⁰	2		DRILL.
10 ⁰⁰	10 ¹⁵	1/4		RIG SERVICE & CHECK B.O.P.
10 ¹⁵	10 ⁴⁵	1/2		DRILL.
10 ⁴⁵	4 ⁰⁰	5 1/4		TRIP F/ BIT & STRAP OUT
				STRAP TALLY - 4309.47
				DOGHOUSE TALLY <u>4303.76</u>
				DIFF. <u>5.71</u>

[illegible]

FOOTAGE		DR.-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO.		PUMP NO.		METH. RUI SHA COM
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
4281					46	35	1200	5				

[illegible]

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF <u>OPERATIONS</u> IN SEQUENCE AND REMARKS.
FROM	TO			
4 ⁰⁰	6 ⁰⁰	2		DRILL
6 ⁰⁰	6 ¹⁵	1/4		RIG SERVICE
6 ¹⁵	8 ³⁰	2 1/4		DRILL
8 ³⁰	9 ⁰⁰	1/2		SURVEY
9 ⁰⁰	10 ⁰⁰	1		DRILLING.
10 ⁰⁰	11 ⁰⁰	1		SURVEY
11 ⁰⁰	12 ⁰⁰	1		DRILLING.



DAILY DRILLING REPORT REPORT NO.

LEASE BERRY-19L. A-42				WELL NO.		API WELL NUMBER				DATE Feb 27/71	
OPERATOR HORN RIVER RES						CONTRACTOR PETROLIA				RIG NO. 7	
SIGNATURE OF OPERATOR'S REPRESENTATIVE						SIGNATURE OF CONTRACTOR'S TOOL-PUSHER <i>[Signature]</i>					
D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER			TYPE	STROKE LENGTH
						1	EMSCO			D-500	16
						2	NAT.			C-150	14

[illegible]

TIME DISTRIBUTION - HOURS					NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD			
CODE NO.	OPERATION	MORN.	DAY	EVE.		BIT	FT.	BIT NO.				TIME				
1.	RIG UP AND TEAR DOWN							SIZE	7 7/8			WEIGHT	300	5100	7100	
2.	DRILL ACTUAL	6	4 3/4			STB RMR	OD	MFG.	REED			PRESSURE GRADIENT	8.94	8.9	8.9	
3.	REAMING				20	D.C. ID	6 1/2 OD	TYPE	SMG			VISC - SEC	62	65	60	
4.	CORING					STB RMR	OD	JETS 1/32"	11 1/2			PV/YP	23 27	25 25	24 23	
5.	CONDITION MUD & CIRCULATE					D.C. ID	OD	SER. NO.	777838			GELS.	730			
6.	TRIPS	2				STB RMR	OD	DEPTH OUT				WHCCT	8.9			
7.	LUBRICATE RIG				1	XO	2.15	DEPTH IN	4090			#15	70			
8.	REPAIR RIG							TOTAL FTC.	75			SOLIDS	RV 26	VP 33		
9.	CUT OFF DRILLING LINE				78	STANDS DP	3508.92	COND. 1/8" 5/8" GAGE				MUD & CHEMICALS ADDED				
10.	DEVIATION SURVEY	3 1/4				SINGLES DP	FT.	GPM/ PD-PSI				TYPE	AMT.	TYPE	AMT.	
11.	WIRE LINE LOGS					KELLY DOWN	19.00					3rd	1200 #			
12.	RUN CASING & CEMENT					TOTAL	4165					General 2 max				
13.	WAIT ON CEMENT					WT. OF STRING	93	LBS.				CNC	100 #			

FOOTAGE		DR...D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 +	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
7090	4165	75			75	40	1250	5	60			
				3 9"								

[illegible]

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
12:00	2:00	2		TRIP
5:00	9:00	6		DRILLING

[illegible]

14. NIPPLE UP B.O.P.		NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD			
15. TEST B.O.P.		BIT		FT.		BIT NO.		5		TIME		8 ³⁰ 10 ³⁰ 200	
16. DRILL STEM TEST						SIZE		7 7/8		WEIGHT		8.2 ⁺ 8.8 8.4	
17. PLUG BACK		STB RMR		OD		FT. WFF		REED		PRESSURE GRADIENT			
18. SQUEEZE CEMENT		D.C ID		OD		FT. TY. F		SMC		VISC.-SEC.		62 51 62	
19. FISHING		STB RMR		OD		FT. JET 1/32"		11 11 12		PV/YP		24/22 20/31 7	
20. DIR. WORK		D.C ID		OD		FT. SER. NO.		777938		GELS		/ / /	
21.		STB RMR		OD		FT. DEPTH OUT				WL -CC'S			
22.		1 X.O.SUB		215		DEPTH IN		4090		pH			
23.						TOTAL FTG.		149		SOLIDS %			
						TOTAL HRS RUN		10 3/4					
		58 STANDS DP		FT.		COND. 1/8" T/S/ GAGE		7 4 I					
		2 SINGLES DP		3672.21		FT. GPM/ PD.-PSI		/		1		MUD & CHEMICALS ADDED	
		KELLY DOWN		31		FT.				Type		AMT.	
		TOTAL		4239		FT.				Type		AMT.	
		WT. OF STRING		96		LBS							

[illegible][illegible]

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
8 ⁰⁰	9 ⁰⁰	1		DRILL
9 ⁰⁰	9 ⁴⁵	3/4		SURVEY, RIG SERVICE & CHECK B.O.P.
9 ⁴⁵	1 ³⁰	3 3/4		DRILL
1 ³⁰	3 ⁰⁰	1 1/2		SURVEY 4239-16"
3 ⁰⁰	3 ³⁰	1/2		PULL ONE STD. & SURVEY 4119-10 1/2"
3 ³⁰	4 ⁰⁰	1/2		PULL ONE STD. & SURVEY 3929-8"
				& FILTERS
				CHANGED OIL IN FLOOR MOTORS. DRILLER <i>L. Nathan</i>

[illegible][illegible]

NO.	DATE	TIME	LATITUDE	LONGITUDE	WIND			SEA			REMARKS
					DIR.	SPED.	STATE	HT.	PERIOD	STATE	
1	10/10/54	0600	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
2	10/10/54	0700	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
3	10/10/54	0800	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
4	10/10/54	0900	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
5	10/10/54	1000	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
6	10/10/54	1100	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
7	10/10/54	1200	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
8	10/10/54	1300	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
9	10/10/54	1400	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
10	10/10/54	1500	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
11	10/10/54	1600	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
12	10/10/54	1700	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
13	10/10/54	1800	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
14	10/10/54	1900	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
15	10/10/54	2000	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
16	10/10/54	2100	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
17	10/10/54	2200	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
18	10/10/54	2300	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
19	10/10/54	2400	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
20	10/10/54	2500	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
21	10/10/54	2600	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
22	10/10/54	2700	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
23	10/10/54	2800	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
24	10/10/54	2900	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
25	10/10/54	3000	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
26	10/10/54	3100	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
27	10/10/54	3200	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
28	10/10/54	3300	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
29	10/10/54	3400	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
30	10/10/54	3500	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
31	10/10/54	3600	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
32	10/10/54	3700	10° 15' N	173° 00' W	080	12	B	3	10	B	1000
33	10/10/54	3800	10° 1								

EVENING T	TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
	FROM	TO			
	4 ⁰⁰	4 ⁴⁵	3/4		PULL ONE STD & SURVEY. 3839-4 1/3°
	4 ⁴⁵	5 ³⁰	3/4		PULL ONE STD & SURVEY - 3749-2 1/2°
	5 ³⁰	8 ⁰⁰	2 1/2		HOLE SET.
	8 ⁰⁰	12 ⁰⁰	4		PICK UP STAB. RUN IN W/ SAMPLE REAM 192 FT. BROOKED HOLE.

[illegible]

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

PETROLIA OILWELL DRILLING LTD.

LEASE				WELL NO.		API WELL NUMBER		DATE	
BERRY ISLAND A-42								FEB 26/77	
OPERATOR				CONTRACTOR		RIG NO.			
HORN RIVER RES				PETROLIA DRILLING.		7			
SIGNATURE OF OPERATOR'S REPRESENTATIVE				SIGNATURE OF CONTRACTOR'S TOOL PUSHER					
				H. Coleman					
D.P. SIZE	WT./FT.	GRADE	TOOL JT Q.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1	EMS CO	D-500	16
						2	NAT.	C-150	14

LOCATION								WIRE LINE RECORD		REEL NO.	
LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.		NO. JOINTS	FEET	R/R. TO CSG. NO.	SET AT	SIZE	NO. LINES	FT. SLIPPED
									FT. CUT OFF	PRESENT LENGTH	
									TON MI. OR TRIPS SINCE LAST CUT		
									CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION - HOURS					NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD			
CODE NO.	OPERATION	MORN.	DAY	EVE.		BIT	FT.	BIT NO.			TIME				
1.	RIG UP AND TEAR DOWN							SIZE	4		WEIGHT	1'00	3'00	5'00	
2.	DRILL ACTUAL		7 ³¹ / ₄		4	STB RMR 1/4 OD	21.49 FT.	MFG.	REED		PRESSURE GRADIENT	8.9	8.9	8.9	
3.	REAMING				19	D.C. TO 1/2 OD	545-10	TYPE	SSIG		VISC - SEC.	72	58	75	
4.	CORING					STB RMR	OD	FT.	JETS 1.32"	11 11 12	PV/YP	26	33	21 24 26 133	
5.	CONDITION MUD & CIRCULATE					D.C. TO	OD	FT.	SER. NO.	878940	GELS				
6.	TRIPS					STB RMR	UD	FT.	DEPTH OUT		WL - CC'S	6'00			
7.	LUBRICATE RIG		7/4		1	K-0	2.15	DEPTH IN	3786		WT 8.9				
8.	REPAIR RIG							TOTAL FTG.	159		GRAB 59				
9.	CUT OFF DRILLING LINE							TOTAL HRS. RUN	13 ³⁴ / ₄		P.V. 21 KB 2.3				
10.	DEVIATION SURVEY				5	STANDS DP	FT.	COND. 1/8" T/B GAGE			MUD & CHEMICALS ADDED				
11.	WIRE LINE LOGS				2	SINGLES DP	3390-48	GPM/ PD-PSI			TYPE	AMT.	TYPE	AMT.	
12.	ROIN CASING & CEMENT					KELLY DOWN	29.00	FT.			21	1500#			
13.	WAIT ON					TOTAL	3945	FT.			CNC	100#			
						WT. OF STRING	80 m.	LBS.			BENEX	3 ran			

FOOTAGE		DR. D RM-R CORE. C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 +	PUMP PRESS	PUMP NO. /		PUMP NO.		WFT RPM
FROM	TO							LINE SIZE	S.P.M.	LINE SIZE	S.P.M.	
3852	3945	93			80	40	1350	5	60			
18" FUEL												

[illegible][illegible][illegible]

FOOTAGE		DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000*	PUMP PRESS	PUMP NO. 1		PUMP NO.		MET RPT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
3945	4049	104			80	40	1360	5	60			

[illegible][illegible]

TOTALS		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
8		BIT		FT. BIT NO.		TIME			
DAY WORK TIME SUMMARY (OFFICE USE ONLY)		4 STB RMR 6 1/4 OD 21.49		4		400 6 ⁰⁰ 9:00			
HRS. W/CONTR. D.P.		D.C. ID OD		SIZE 7 1/2		WEIGHT 8.9 8.9 ⁺ 8.9			
HRS. W/OPR. D.P.		STB RMR OD		MFG. REED		PRESSURE GRADIENT			
HRS. W/O.D.P.		D.C. ID 6 1/2 OD 545.10		TYPE SS/G		VISC.-SEC 60 75 60			
HRS. STANDBY		STB RMR OD		JETS 1/32"		PV/YP 27/31/24/25			
TOTAL DAY WORK		19 D.C. ID 6 1/2 OD 545.10		SER. NO. 878940		GELS.			
		STB RMR OD		DEPTH OUT 4090		WL -CC'S			
		1 X.O. SUB 2.15		DEPTH IN 3786		pH			
				TOTAL FTG. 304		SOLIDS %			
				TOTAL HRS. RUN 35					
		37 STANDS DP		COND. 1/8" T/B/ GAGE 8.5T		MUD & CHEMICALS ADDED			
		1 SINGLES DP 35480 FT.		GPM/ PD-PSI		TYPE AMT. TYPE AMT.			
		KELLY DOWN				Gel 2000*			
		TOTAL 4090				Berk 300*			
		WT. OF STRING 93.		LBS.		CMC 50*			
NO. OF DAYS FROM SPUD									
CUMULATIVE ROTATING HRS.									
TOTAL MUD COST									

							DRILLER <i>J. Hall</i>					
FOOTAGE		D.R.-D R.L.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.		PUMP NO.		MEASUREMENT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
<i>4049</i>	<i>4080</i>	<i>41</i>			<i>80</i>	<i>40</i>	<i>1350</i>	<i>5</i>	<i>60</i>			

DESCRIPTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
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EVENING TOUR	TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
	FROM	TO			
	4:00	4:30	1/2		DRILL
	4:30	4:45	1/4		RIS SERVICE
	4:45	7:15	2 1/2		DRILL
	7:15	7:30	1/4		WORK ON PUMP
	7:30	9:00	1 1/2		DRILL
	9:00	9:30	1/2		COND. MUD FOR TRIP
	9:30	12:00	2 1/2		TRIP LAY DOWN STAB. PICK UP BOTTOM HOLE D.

LEASE		WELL NO.		API WELL NUMBER		DATE													
OPERATOR		CONTRACTOR		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		RIG NO.													
BERRY ISLAND A-42		PETROLIA DRILLING		D. Coleman		7													
HORN RIVER RES.		SIGNATURE OF OPERATOR'S REPRESENTATIVE																	
D.P. SIZE		WT./FT.		GRADE		TOOL JT Q.D.		TYPE THREAD		STRING NO.		PUMP NO.		PUMP MANUFACTURER		TYPE		STROKE LENGTH	
												1		EMSCO		D-500		16	
												2		NAT.		C-150		19	
TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)				BIT RECORD				MUD RECORD							
CODE NO. - OPERATION MORN. DAY EVE.				BIT FT. BIT NO. 3				TIME 200 330											
1. RIG UP AND TEAR DOWN				SIZE 7/8				WEIGHT 8.9 8.8											
2. DRILL ACTUAL 7 1/2 6 1/4				4 STB RMR 6 1/4 OD 21.49 FT. MFG. H.W.				PRESSURE GRADIENT											
3. REAMING				19 D.C. ID 6 1/2 OD 545.10 FT. TYPE XIG.				VISC.-SEC. 62 49											
4. CORING				STB RMR OD FT. JETS 1/32" 11 11 11				PV/YP 24 18 15											
5. CONDITION MUD & CIRCULATE				D.C. ID OD FT. SER. NO. 21089				TIME 500 700											
6. TRIPS 1 1/2				STB RMR OD FT. DEPTH OUT 3642.				WATER 8.9+ 8.8+											
7. LUBRICATE RIG 1/4				1 X O 2.15 DEPTH IN 3642.				LIP 64 50											
8. REPAIR RIG 1/2				TOTAL FTG. 93				SOLIDS 23/25 14/19											
9. CUT OFF DRILLING LINE				TOTAL HRS. RUN 7 1/2															
10. DEVIATION SURVEY				STANDS DP FT. COND. 1/8" T/B' GAGE IN.				MUD & CHEMICALS ADDED											
11. WIRE LINE LOGS				SINGLES DP FT. GPM/ PD-PSI				TYPE AMT. TYPE AMT.											
12. RUN CASING & CEMENT				KELLY DOWN FT.				Sal 2000											
13. WAIT ON CEMENT				TOTAL FT.				Dmex 5 say											
14. HIPPLE UP B.G.P.				WT. OF STRING LBS.				CMC 50											
15. TEST B.O.P.				NO. DRILLING ASSEMBLY (At end of tour)				BIT RECORD				MUD RECORD							
16. DRILL STEM TEST				BIT FT. BIT NO. 3				TIME 9 12 00											
17. PLUG BACK				SIZE 7 7/8				WEIGHT 8.8 8.9											
18. SQUEEZE CEMENT				4 STB RMR 6 1/4 OD 21.49 FT. MFG. H.W.				PRESSURE GRADIENT											
19. FISHING				D.C. ID OD FT. TYPE XIG.				VISC.-SEC. 115 165											
20. DIR. WORK				STB RMR OD FT. JET 1/32" 11 11 11				PV/YP 27 36 33/45											
21.				D.C. ID 6 1/2 OD 545.10 FT. SER. NO. 21089				GELS											
22.				STB RMR OD FT. DEPTH OUT 3786				WL -CC'S											
23.				1 X O SUB 2.15 DEPTH IN 3642				pH											
A. PERF'R'TN				TOTAL FTG. 144				SOLIDS %											
B. TBG TRIPS				TOTAL HRS. RUN 13 3/4															
C. TREATING				34 STANDS DP 3234.23 FT. COND. 1/8" T/B' GAGE 84				MUD & CHEMICALS ADDED											
D. SWABBING				SINGLES DP FT. GPM/ PD-PSI				TYPE AMT. TYPE AMT.											
E. TESTING				KELLY DOWN 25 FT.				GEL 3500											
F. ADDIT'NL				TOTAL 3786 FT.				CMC 150											
G.				WT. OF STRING 88 LBS.				BEN-EX 6											
TOTALS 8 8				NO. DRILLING ASSEMBLY (At end of tour)				BIT RECORD				MUD RECORD							
DAY WORK TIME SUMMARY (OFFICE USE ONLY)				BIT FT. BIT NO. 4				TIME 9:30 11:30											
HRS. W/CONTR. D.P.				SIZE 7 7/8				WEIGHT 8.9 8.9											
HRS. W/OPR. D.P.				4 STB RMR 6 1/4 OD 21.49 FT. MFG. REED				PRESSURE GRADIENT											
HRS. WO-D.P.				D.C. ID OD FT. TYPE SSIG				VISC.-SEC. 77 55											
HRS. STANDBY				STB RMR OD FT. JETS 1/32" 11 11 12				PV/YP 25/31 23/19											
TOTAL DAY WORK				19 D.C. ID 6 1/2 OD 545.10 FT. SER. NO. 878940				GELS											
NO. OF DAYS FROM SPUD				STB RMR OD FT. DEPTH OUT 3786				WL -CC'S											
CUMULATIVE ROTATING HRS.				TOTAL FTG. 66				pH											
TOTAL MUD COST				TOTAL HRS. RUN 5				SOLIDS %											
				34 STANDS DP FT. COND. 1/8" T/B' GAGE				MUD & CHEMICALS ADDED											
				2 SINGLES DP 3296.88 GPM/ PD-PSI				TYPE AMT. TYPE AMT.											
				KELLY DOWN 1800 FT.															
				TOTAL 3052 FT.															
				WT. OF STRING 90m LBS.															

LOCATION										WIRE LINE RECORD										REEL NO.							
LAST CASING TUBING OR LINER										SIZE	MAKE	WT. & GR.		NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	SIZE	NO. LINES		FT. SLIPPED						
																	FT. CUT OFF		PRESENT LENGTH								
																	TON MI. OR TRIPS SINCE LAST CUT										
																	CUMULATIVE TON MI. OR TRIPS										
FOOTAGE										DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)				ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1		PUMP NO.	METHOD RUN					
FROM		TO																									
3642		3735		93								80		30		1300		5		58							
DEVIATION RECORD										DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG				ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																			
FROM		TO																									
1200		1230		1/2				Put on NEW ROTARY CHAIN.																			
1230		800		7 1/2				Drilling.																			
DRILLER <i>E. J. Williams</i>																											
FOOTAGE										DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)				ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1		PUMP NO.	METHOD RUN					
FROM		TO																									
3735		3786		46								80		40		1350		5		60							
				51																							
DEVIATION RECORD										DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
										3786						3786		2 1/2									
TIME LOG				ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																			
FROM		TO																									
800		900		1				DRILL																			
900		915		1/4				RIG SERVICE & CHECK B.O.P.																			
915		220		5 1/4				DRILL																			
220		400		1 1/2				HOIST F/BIT																			
DRILLER <i>A. Mattson</i>																											
FOOTAGE										DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)				ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1		PUMP NO.	METHOD RUN					
FROM		TO																									
3786		3852		66								80		40		1350		5		60							
DEVIATION RECORD										DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG				ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																			
FROM		TO																									
400		700		3				FINISH TRIP F/BIT.																			
700		1200		5				DRILL																			
DRILLER																											

APPROVED

DAILY DRILLING REPORT

REPORT NO.

LEASE BERRY ISLAND #42	WELL NO.	API WELL NUMBER	DATE 2-2-7						
OPERATOR HORN RIVER RES.	CONTRACTOR PETROLIA OILWELL DRILLING	RIG NO. 7							
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>							
D.P. SIZE	WT./FT.	GRADE	TOOL JT. Q.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1	EMSCO	7D-500	16
						2	NATIONAL	C-150	14

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT
1	RIG UP AND TEAR DOWN						2	7:00	400
2	DRILL ACTUAL	4	6		4 STB RMR 6 1/4 OD	29.49	FT. MFG. H.W.	7:18	8.9
3	REAMING				21 D.C. ID 6 1/2 OD	604.19	FT. TYPE X3A	44	52
4	CORING				STB RMR OD		FT. JETS 1/32"	11/10/10	45
5	CONDITION MUD & CIRCULATE				D.C. ID OD		FT. SER. NO. 28859	13/9	18
6	TRIPS	1 1/2			STB RMR OD		FT. DEPTH OUT	18/20/14	48
7	LUBRICATE RIG		1/4		1 X0 SUB 2 1/5		DEPTH IN	2268	
8	REPAIR RIG		3/4				TOTAL FTG.	437	
9	CUT OFF DRILLING LINE				21 STANDS DP	1973.07	COND. 1/8" T/B/ GAGE	2268	
10	DEVIATION SURVEY	1/2	1		2 SINGLES DP	6287	FT. GPM/ PD-PSI	437	
11	WIRE LINE LOGS				KELLY DOWN		FT.	437	
12	RUN CASING & CEMENT				TOTAL	2705	FT.	437	
13	WAIT ON CEMENT				WT. OF STRING	73	LBS.		
14	NIPPLE UP B.O.P.								
15	TEST B.O.P.								
16	DRILL STEM TEST								
17	PLUG BACK								
18	SQUEEZE CEMENT								
19	FISHING								
20	DIR. WORK								
21									
22									
23									

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT
1	RIG UP AND TEAR DOWN						2	7:00	400
2	DRILL ACTUAL	4	6		4 STB RMR 6 1/4 OD	21.49	FT. MFG. H.W.	7:18	8.9
3	REAMING				21 D.C. ID 6 1/2 OD	604.19	FT. TYPE X3A	44	52
4	CORING				STB RMR OD		FT. JETS 1/32"	11/10/10	45
5	CONDITION MUD & CIRCULATE				D.C. ID OD		FT. SER. NO. 28859	13/9	18
6	TRIPS	1 1/2			STB RMR OD		FT. DEPTH OUT	18/20/14	48
7	LUBRICATE RIG		1/4		1 X0- 2 1/5		DEPTH IN	2268	
8	REPAIR RIG		3/4				TOTAL FTG.	778	
9	CUT OFF DRILLING LINE				25 STANDS DP	2348.33	COND. 1/8" T/B/ GAGE	778	
10	DEVIATION SURVEY	1/2	1		SINGLES DP		FT. GPM/ PD-PSI	778	
11	WIRE LINE LOGS				KELLY DOWN	36.40	FT.	778	
12	RUN CASING & CEMENT				TOTAL	3012	FT.	778	
13	WAIT ON CEMENT				WT. OF STRING	80m	LBS.		
14	NIPPLE UP B.O.P.								
15	TEST B.O.P.								
16	DRILL STEM TEST								
17	PLUG BACK								
18	SQUEEZE CEMENT								
19	FISHING								
20	DIR. WORK								
21									
22									
23									

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT
1	RIG UP AND TEAR DOWN						2	7:00	400
2	DRILL ACTUAL	4	6		4 STB RMR 6 1/4 OD	21.49	FT. MFG. H.W.	7:18	8.9
3	REAMING				21 D.C. ID 6 1/2 OD	604.19	FT. TYPE X3A	44	52
4	CORING				STB RMR OD		FT. JETS 1/32"	10/10/11	47
5	CONDITION MUD & CIRCULATE				D.C. ID OD		FT. SER. NO. 28859	18/14/20/11	47
6	TRIPS	1 1/2			STB RMR OD		FT. DEPTH OUT	18/14/20/11	47
7	LUBRICATE RIG		1/4		1 X0 SUB 2 1/5		DEPTH IN	2268	
8	REPAIR RIG		3/4				TOTAL FTG.	1014	
9	CUT OFF DRILLING LINE				28 STANDS DP	2671.97	COND. 1/8" T/B/ GAGE	1014	
10	DEVIATION SURVEY	1/2	1		SINGLES DP		FT. GPM/ PD-PSI	1014	
11	WIRE LINE LOGS				KELLY DOWN	24	FT.	1014	
12	RUN CASING & CEMENT				TOTAL	3282	FT.	1014	
13	WAIT ON CEMENT				WT. OF STRING	86	LBS.		
14	NIPPLE UP B.O.P.								
15	TEST B.O.P.								
16	DRILL STEM TEST								
17	PLUG BACK								
18	SQUEEZE CEMENT								
19	FISHING								
20	DIR. WORK								
21									
22									
23									

LOCATION										WIRE LINE RECORD		REEL NO.	
SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. MD.	SET AT	SIZE	NO. LINES	FT. SLIPPED	SIZE	NO. LINES	FT. SLIPPED	PRESENT LENGTH

FOOTAGE		DR. D. RM-R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO																		
2268	2705	437						130	30	125	5	60							

DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS															
1200	100	1		Run in w/ bit															
100	130	1/2		BREAK CIRC - CLEAN 50' TO Btm															
130	730	6		DRILL															
730	800	1/2		CIRC & SURVEY															

FOOTAGE		DR. D. RM-R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO																		
2705	3012	307						80	35	125	5	60							

DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS															
800	800	4		RIG SERVICE & SURVEY (MISS RUN.)															
800	1030	2 1/4		DRILLING															
1030	1100	1/2		SURVEY 20' 2768															
1100	1130	1/2		DRILLING															
1130	1200	1/2		REPAIR ROTARY SPROCKET															
1200	400	4		DRILLING															

FOOTAGE		DR. D. RM-R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO																		
3012	3282	270						80	35	1300	5	60							

DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS															
400	430	1/2		DRILL															
430	445	1/4		RIG SERVICE															
445	630	1 3/4		DRILL															
630	715	3/4		REPAIR ROTARY CHAIN & INSTALL NEW LOW CHAIN															
715	830	3/4		DRILL															
830	930	1		SURVEY															
930	1200	2		DRILL															

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

PETROLIA OILWELL DRILLING LTD.

DAILY DRILLING REPORT

REPORT NO.

LEASE PERRY ISLAND A 42	WELL NO. 1	API WELL NUMBER	DATE 2-2-1						
OPERATOR HORN RIVER RES	CONTRACTOR PETROLIA OILWELL DRILL		RIG NO. 7						
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>							
D.P. SIZE	WT./FT.	GRADE	TOOL JT. Q.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1	EMSCO	D-500	16
						2	NATIONAL	C-150	14

LOCATION							WIRE LINE RECORD			REEL NO.	
SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	SIZE	NO. LINES	FT. SLIPPED		
LAST CASING TUBING OR LINER							FT. CUT OFF				PRESENT LENGTH
							TON MI. OR TRIPS SINCE LAST CUT				
							CUMULATIVE TON MI. OR TRIPS				

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
1.	RIG UP AND TEAR DOWN								
2.	DRILL ACTUAL	7 1/4	7 3/4	3 1/4	4 STB RMR 6 1/4 OD 604.19 FT.	21.49	77/8	9.0	8.8
3.	REAMING				21 D.C. ID 6 1/2 OD 604.19 FT.	604.19	23A	46.5	4.55
4.	CORING				4 STB RMR OD		10/10/10	55	55
5.	CONDITION MUD & CIRCULATE				4 D.C. ID		27329	34	1710
6.	TRIPS				4 STB RMR OD			9/13	
7.	LUBRICATE RIG	1/4	1/4	3/4	12 STANDS DP	1128.01		700 AM	
8.	REPAIR RIG				12 SINGLES DP	2.15		U.S. 53	
9.	CUT OFF DRILLING LINE				12 KELLY DOWN			WT. 8.9	
10.	DEVIATION SURVEY	1/2	1/4		12 TOTAL	1797			
11.	WIRE LINE LOGS				12 WT. OF STRING	62			
12.	RUN CASING & CEMENT								
13.	WAIT ON CEMENT								
14.	NIPPLE UP B.O.P.								
15.	TEST B.O.P.								
16.	DRILL STEM TEST								
17.	PLUG BACK								
18.	SQUEEZE CEMENT								
19.	FINISH								
20.	DIR. WORK								
21.									
22.									
23.									

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1	PUMP NO.	METHOD RUN
FROM	TO									
1402	1797	395		FUEL 2'	110	28	1225	5	60	
DEVIATION RECORD										
TIME LOG		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
1200	1215	1/4		RIG SERVICE						
1215	200	1 3/4		DRILL						
200	230	1/2		SURVEY						
230	800	6 1/2		DRILL						
@ 7:00 P.M. 11-4230										

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
1.	RIG UP AND TEAR DOWN								
2.	DRILL ACTUAL				4 STB RMR 6 1/4 OD 604.19 FT.	21.49	77/8	9.0	9.0
3.	REAMING				21 D.C. ID 6 1/2 OD 604.19 FT.	604.19	23A	52	60
4.	CORING				4 STB RMR OD		10/10/10	49	
5.	CONDITION MUD & CIRCULATE				4 D.C. ID		27329	13	1419
6.	TRIPS				4 STB RMR OD			14	1719
7.	LUBRICATE RIG				12 STANDS DP	1441.31			
8.	REPAIR RIG				12 SINGLES DP	31.40			
9.	CUT OFF DRILLING LINE				12 KELLY DOWN				
10.	DEVIATION SURVEY				12 TOTAL	2100			
11.	WIRE LINE LOGS				12 WT. OF STRING	70m.			
12.	RUN CASING & CEMENT								
13.	WAIT ON CEMENT								
14.	NIPPLE UP B.O.P.								
15.	TEST B.O.P.								
16.	DRILL STEM TEST								
17.	PLUG BACK								
18.	SQUEEZE CEMENT								
19.	FINISH								
20.	DIR. WORK								
21.									
22.									
23.									

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1	PUMP NO.	METHOD RUN
FROM	TO									
1797	2100	303			110	30	1400	5	56	
DEVIATION RECORD										
TIME LOG		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
800	815	1/4		RIG SERVICE						
815	400	7 3/4		DRILLING						

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
1.	RIG UP AND TEAR DOWN								
2.	DRILL ACTUAL				4 STB RMR 6 1/4 OD 604.19 FT.	21.49	77/8	9.0	8.9
3.	REAMING				21 D.C. ID 6 1/2 OD 604.19 FT.	604.19	23A	51	55
4.	CORING				4 STB RMR OD		10/10/10	17	22
5.	CONDITION MUD & CIRCULATE				4 D.C. ID		27329	13	13
6.	TRIPS				4 STB RMR OD				
7.	LUBRICATE RIG				12 STANDS DP	1641.01			
8.	REPAIR RIG				12 SINGLES DP				
9.	CUT OFF DRILLING LINE				12 KELLY DOWN	41			
10.	DEVIATION SURVEY				12 TOTAL	2268			
11.	WIRE LINE LOGS				12 WT. OF STRING	70			
12.	RUN CASING & CEMENT								
13.	WAIT ON CEMENT								
14.	NIPPLE UP B.O.P.								
15.	TEST B.O.P.								
16.	DRILL STEM TEST								
17.	PLUG BACK								
18.	SQUEEZE CEMENT								
19.	FINISH								
20.	DIR. WORK								
21.									
22.									
23.									

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1	PUMP NO.	METHOD RUN
FROM	TO									
2100	2268	168			120	30	1400	5	60	
DEVIATION RECORD										
TIME LOG		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
400	415	1/4		RIG SERVICE						
415	445	1/2		DRILL						
445	530	3/4		DROP SURVEY & COULDN'T RETRIEVE AFTER 2 RUNS.						
530	615	3/4		DRILL						
615	645	1/2		TRY TO RETRIEVE SURVEY Bbl & FAILED.						
645	845	2		DRILL						
845	1200	3 1/4		CIRC & TRIP/BIT						
SKIP 52' & CUT 156' PAUL LINE										



DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE						
2222 Island A42	1		2-2-7						
OPERATOR	CONTRACTOR		RIG NO.						
HORN RIVER RES	PETROLIA OILWELL DRILLING		7						
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER							
W. Coleman									
D.P. SIZE	WT./FT.	GRADE	TOOL JT. Q.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1	EMSCO	D-500	16
						2	NATIONAL	C-50	14

LOCATION	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	WIRE LINE RECORD		REEL NO.	
								SIZE	NO. LINES		FT. SLIPPED
								FT. CUT OFF			PRESENT LENGTH
								TON MI. OR THIPS SINCE LAST CUT			
LAST CASING TUBING OR LINER								CUMULATIVE TON MI. OR THIPS			

TIME DISTRIBUTION - HOURS					NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	NO.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
1	RIG UP AND TEAR DOWN					4	STB 6 1/4 OD	21.49	FT.	MFG.	H.W.	
2	DRILL	1	6 1/2	7 1/4		21	D.C. ID 6 1/2 OD	604.19	FT.	TYPE	X3A	
3	REAMING						STB RMR OD		FT.	JETS 1/32"	10/10/10	
4	CORING						D.C. ID OD		FT.	SER. NO.	27329	
5	CONDITION MUD & CIRCULATE		1 1/4				STB RMR OD		FT.	DEPTH OUT		
6	TRIPS		2									
7	LUBRICATE RIG		1 1/4									
8	REPAIR RIG											
9	CUT OFF DRILLING LINE											
10	DEVIATION SURVEY		1 1/2									
11	WIRE LINE LOGS											
12	RUN CASING & CEMENT											
13	WAIT ON CEMENT											
14	NIPPLE UP B.O.P.		4									
15	TEST B.O.P.		1									
16	DRILL STEM TEST											
17	PLUG BACK											
18	SQUEEZE CEMENT											
19	FISHING											
20	DIR. WORK											
21												
22												
23												

MORNING TOUR

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO										
625					FWL 3 1/2'						
DEVIATION RECORD											
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO										
1200	400	4		HEAD UP							
400	430	1/2		PRESSURE TEST BLIND RAME TO 1150 PSI HEAD							
430	630	2		READY FOR 15 MINS - MOTOR SHUT OFF OK							
630	700	1/2		PICK UP STAB & 10' COLLAR AND PUMP							
700	800	1		IN TO PRESSURE TEST							
				PRESSURE TEST PIPE RAMPS - 1150 PSI FOR 15 MINS							
				TO 1150 PSI HEAD OK							
				DRAG OUT PUMP LATERAL SHAFT							

DAY TOUR

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO										
625	1012	387				110	20	1200	5	58	
DEVIATION RECORD											
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO										
800	815	1/4		Rig Ser							
815	930	1 1/4		Circ mud up							
930	940	6 1/2		Drill							

EVENING TOUR

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO										
1012	1402	390				126	20-28	1200	5	60	
DEVIATION RECORD											
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO										
400	415	1/4		RIG SERVICE & SURVEY							
415	815	4		DRIG							
815	845	1/2		CIRC & SURVEY							
845	1200	3 1/4		DRIG							

TOTAL DAY WORK

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. W/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST



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

PETROLIA OILWELL DRILLING LTD.

DAILY DRILLING REPORT

REPORT NO.

LEASE BERRY ISLAND #42	WELL NO. 1	API WELL NUMBER	DATE 20-2-71						
OPERATOR HORN RIVER RES.	CONTRACTOR PETROLIA OILWELL DRILLING		RIG NO. 7						
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>							
D.P. SIZE	WT./FT.	GRADE	TOOL JT. C.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1	Emaco	D-500	16
						2	NATIONAL	C750	14

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. NO.	SET AT	WIRE LINE RECORD	REEL NO.
								SIZE	NO. LINES
								FT. CUT OFF	PRESENT LENGTH
								TON MI. OR TRIPS SINCE LAST CUT	CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT
1	RIG UP AND TEAR DOWN								
2	DRILL ACTUAL								
3	REAMING	1			21	D.C. ID 6 1/2 OD 6	FT. TYPE 13R		
4	CORING								
5	CONDITION MUD & CIRCULATE	3/4							
6	TRIPS	1							
7	LUBRICATE RIG								
8	REPAIR RIG								
9	CUT OFF DRILLING LINE								
10	DEVIATION SURVEY								
11	WIRE LINE LOGS								
12	RUN CASING & CEMENT	3/4	3/4						
13	WAIT ON CEMENT		7/4						
14	NIPPLE UP B.O.P.								
15	TEST B.O.P.								
16	DRILL STEM TEST								
17	PLUG BACK								
18	SQUEEZE CEMENT								
19	FISHING								
20	DIR. WORK								
21									
22									
COMPLETION				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
A. PERF'R'TN				BIT		FT. BIT NO.		TIME	
B. TBG TRIPS				STB RMR OD		FT. MFG.		WEIGHT	
C. TREATING				D.C. ID		FT. TYPE		PRESSURE GRADIENT	
D. SWABBING				STB RMR OD		FT. JETS 1/32"		VISC-SEC.	
E. TESTING				D.C. ID		FT. SER. NO.		PV/YP	
F. ADDIT'L				STB RMR OD		FT. DEPTH OUT		GELS.	
G.						FT. DEPTH IN		WL-CC'S	
TOTALS				TOTAL HRS. RUN		TOTAL FTG.		PH	
DAY WORK TIME SUMMARY (OFFICE USE ONLY)				COND. 1/8" T/B GAGE		TOTAL HRS. RUN		SOLIDS %	
HRS. W/CONTR. D.P.				STANDS DP		FT. GPM/ PD-PSI		MUD & CHEMICALS ADDED	
HRS. W/OPR. D.P.				SINGLES DP		FT. GPM/ PD-PSI		TYPE AMT. TYPE AMT.	
HRS. W/O D.P.				KELLY DOWN		FT.			
HRS. STANDBY				TOTAL		FT.			
TOTAL DAY WORK				WT. OF STRING		LBS.			
NO. OF DAYS FROM SPUD				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CUMULATIVE ROTATING HRS.				BIT		FT. BIT NO.		TIME	
TOTAL MUD COST				STB RMR OD		FT. MFG.		WEIGHT	
				D.C. ID		FT. TYPE		PRESSURE GRADIENT	
				STB RMR OD		FT. JETS 1/32"		VISC-SEC.	
				D.C. ID		FT. SER. NO.		PV/YP	
				STB RMR OD		FT. DEPTH OUT		GELS.	
						FT. DEPTH IN		WL-CC'S	
				TOTAL HRS. RUN		TOTAL FTG.		PH	
				COND. 1/8" T/B GAGE		TOTAL HRS. RUN		SOLIDS %	
				STANDS DP		FT. GPM/ PD-PSI		MUD & CHEMICALS ADDED	
				SINGLES DP		FT. GPM/ PD-PSI		TYPE AMT. TYPE AMT.	
				KELLY DOWN		FT.			
				TOTAL		FT.			
				WT. OF STRING		LBS.			

FOOTAGE		DR. D. RM. R. CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN	
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.
614	625	11									
DEVIATION RECORD											
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO										
1200	100	1		REAM 7 7/8 TO 12 1/4 HOLE.							
100	130	1/2		CIRC TO RUN CASING							
130	230	1		HOLD TO RUN CASING "SURVEY"							
230	330	1		RIG TO RUN CASING							
330	645	3 1/4		RUN SURFACE CASING 8 7/8							
645	730	3/4		CIRC TO CEMENT							
730	800	1/2		RIG TO CEMENT							
DRILLER <i>[Signature]</i>											
FOOTAGE		DR. D. RM. R. CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN	
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.
DEVIATION RECORD											
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO										
800	845	3/4		RUN CEMENT PLUG DOWN 8 7/8 A.M.							
845	400	7 1/4		W. O.C.							
Run 20 ft of 8 7/8 S.S. Ranged 24th September exp. incl. quick shoe & float collar. Total 635.97' landed @ 61945' cemented w/ 350 sack construction cement 370 lb/cu. Displaced w/ 40 bbls. water. Banded plug w/ 520 PSI. Plug down @ 845 A.M. Feb 20/71											
DRILLER <i>[Signature]</i>											
FOOTAGE		DR. D. RM. R. CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN	
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.
DEVIATION RECORD											
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO										
400	1200	8		Head up B & P							
DRILLER <i>[Signature]</i>											

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

PETROLIA OILWELL DRILLING LTD.



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REPORT NO.

LOCATION										WIRE LINE RECORD																					
										REEL NO.																					
LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	SIZE	NO. LINES	FT. SLIPPED																					
								FT. CUT OFF		PRESENT LENGTH																					
								TON MI. OR TRIPS SINCE LAST CUT																							
								CUMULATIVE TON MI. OR TRIPS																							
FOOTAGE										FORMATION (SHOW CORE RECOVERY)										ROTARY RPM		WT. ON BIT 1000*		PUMP PRESS		PUMP NO. LINER SIZE S.P.M.		PUMP NO. LINER SIZE S.P.M.		METHOD RUN	
FROM	TO	DR. D RM-R CORE.C	CORE NO.							ROTARY RPM	WT. ON BIT 1000*	PUMP PRESS	PUMP NO. LINER SIZE S.P.M.	PUMP NO. LINER SIZE S.P.M.	METHOD RUN																
502	625	123		FUEL 5 1/2'						110	10	250	5	70																	
DEVIATION RECORD										DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION					
										568		2 1/4°																			
TIME LOG										DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																					
FROM	TO	ELAPSED TIME	CODE NO.																												
1200	1 15	1 1/4		TRIP 12 1/4 BIT & RUN 7 7/8 TO FIRST AHEAD																											
1 15	3 30	2 1/4		TRIP 7 7/8 HOLE.																											
3 30	4 00	1/2		WORK ON D-500 PUMP																											
4 00	5 15	1 1/4		DRILLING "PILOT"																											
5 15	15 30	1 1/4		SURVEY																											
5 30	8 45	2 1/4		DRILLING "PILOT"																											
7 45	8 00	1/4		SURVEY																											
										DRILLER																					
FOOTAGE										FORMATION (SHOW CORE RECOVERY)										ROTARY RPM		WT. ON BIT 1000*		PUMP PRESS		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. LINER SIZE S.P.M.		METHOD RUN	
FROM	TO	DR. D RM-R CORE.C	CORE NO.							ROTARY RPM	WT. ON BIT 1000*	PUMP PRESS	PUMP NO. 1 LINER SIZE S.P.M.	PUMP NO. LINER SIZE S.P.M.	METHOD RUN																
625	658									110	5-8	300	5	70																	
DEVIATION RECORD										DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION					
TIME LOG										DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																					
FROM	TO	ELAPSED TIME	CODE NO.																												
8 00	8 30	1/2		RIG SERVICE & SURVEY																											
8 30	12 30	4		DRILLING. PILOT HOLE 7 7/8																											
12 30	4 00	3 1/2		DROP SURVEY HOIST.																											
										DRILLER																					
FOOTAGE										FORMATION (SHOW CORE RECOVERY)										ROTARY RPM		WT. ON BIT 1000*		PUMP PRESS		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. LINER SIZE S.P.M.		METHOD RUN	
FROM	TO	DR. D RM-R CORE.C	CORE NO.							ROTARY RPM	WT. ON BIT 1000*	PUMP PRESS	PUMP NO. 1 LINER SIZE S.P.M.	PUMP NO. LINER SIZE S.P.M.	METHOD RUN																
502	625	123								110	10	300	5	70																	
DEVIATION RECORD										DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION					
										568		2 1/2°				625															
TIME LOG										DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																					
FROM	TO	ELAPSED TIME	CODE NO.																												
4 00	8 00	4		HOIST PLUGGED BIT RUN IN W/ 3 AME.																											
8 00	9 00	1		TRIP 7 7/8 TO 12 1/4 HOLE.																											
9 00	9 30	1/2		LAY TWO SWELLS & RUN 1 STD COLLARS																											
9 30	9 45	1/4		TRIP 7 7/8 TO 12 1/4 HOLE.																											
9 45	10 15	1/2		SURVEY																											
10 15	12 00	1 1/4		TRIP 7 7/8 TO 12 1/4 HOLE.																											
										DRILLER																					

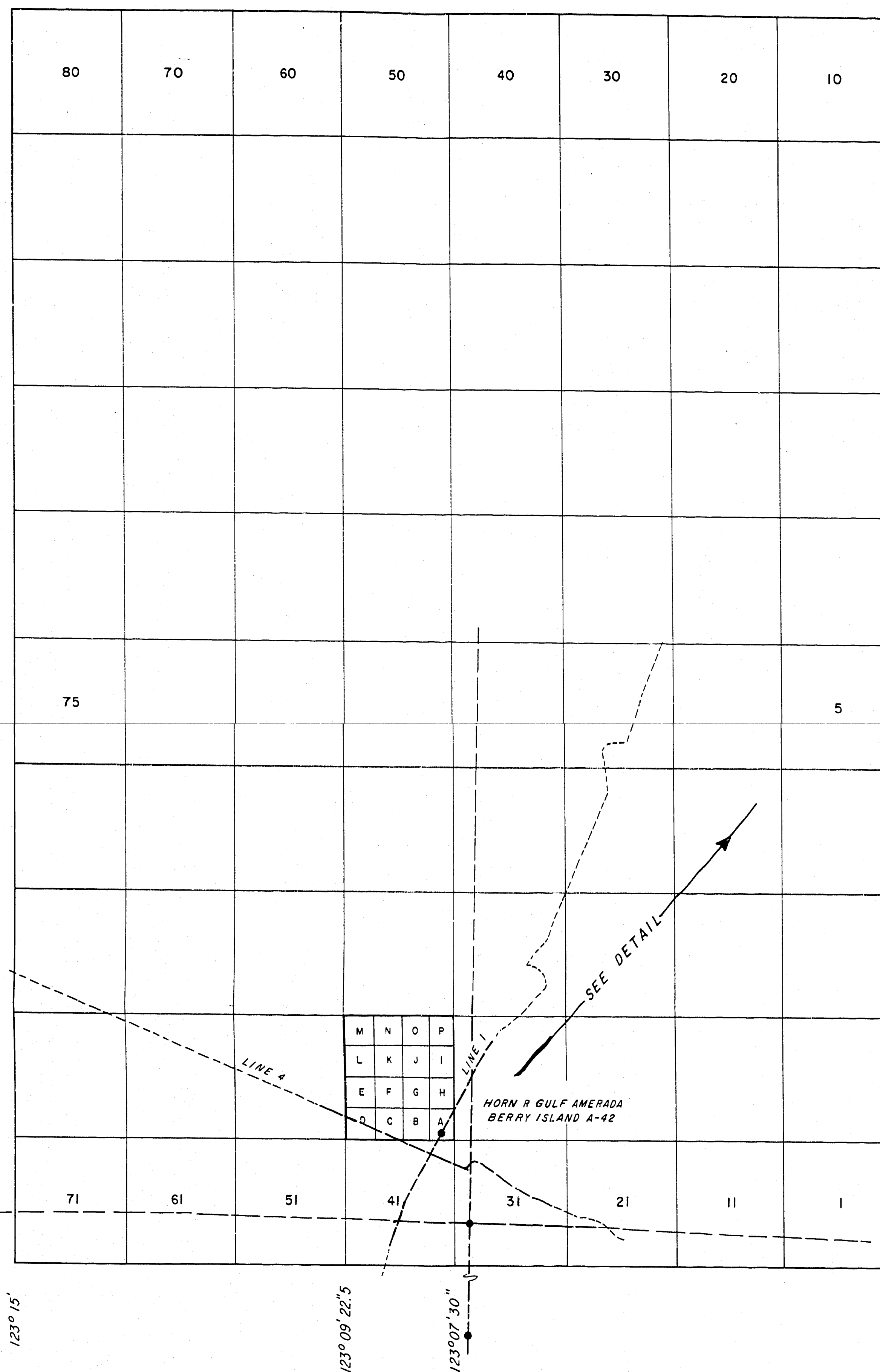
DAILY DRILLING REPORT

REPORT NO.

LEASE		WELL NO.	API WELL NUMBER	DATE					
A-42				18-2-7					
OPERATOR		CONTRACTOR							
HORN RIVER RESOURCES		PETROLIA OILWELL DRILLING							
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER							
O.P. SIZE	WT./FT.	GRADE	TOOL JT. Q.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1	EMSCO	D-500	14
						2	NATIONAL	C-150	14
TIME DISTRIBUTION - HOURS									
CODE NO.	OPERATION	MORN.	DAY	EVE.					
1	RIG UP AND TEAR DOWN								
2	DRILL ACTUAL	5 1/2	6 3/4						
3	REAMING								
4	CORING								
5	CONDITION MUD & CIRCULATE								
6	TRIPS	2	1/2						
7	LUBRICATE RIG								
8	REPAIR RIG	1 1/4	1/4						
9	CUT OFF DRILLING LINE								
10	DEVIATION SURVEY	1/2	1 1/2						
11	WIRE LINE LOGS								
12	RUN CASING & CEMENT								
13	WAIT ON CEMENT								
14	NIPPLE UP B.O.P.								
15	TEST B.O.P.								
16	DRILL STEM TEST								
17	PLUG BACK								
18	SQUEEZE CEMENT								
19	FISHING								
20	DIR. WORK								
21									
22									
23									
COMPLETION									
A. PERFORATION									
B. TBG TRIPS									
C. TREATING									
D. SWABBING									
E. TESTING									
F. ADDITION									
G.									
TOTALS									
DAY WORK TIME SUMMARY (OFFICE USE ONLY)									
HRS. W/CONTR. D.P.									
HRS. W/OPR. D.P.									
HRS. W/O.D.P.									
HRS. STANDBY									
TOTAL DAY WORK									
NO. OF DAYS FROM SPUD									
CUMULATIVE ROTATING HRS.									
TOTAL MUD COST									

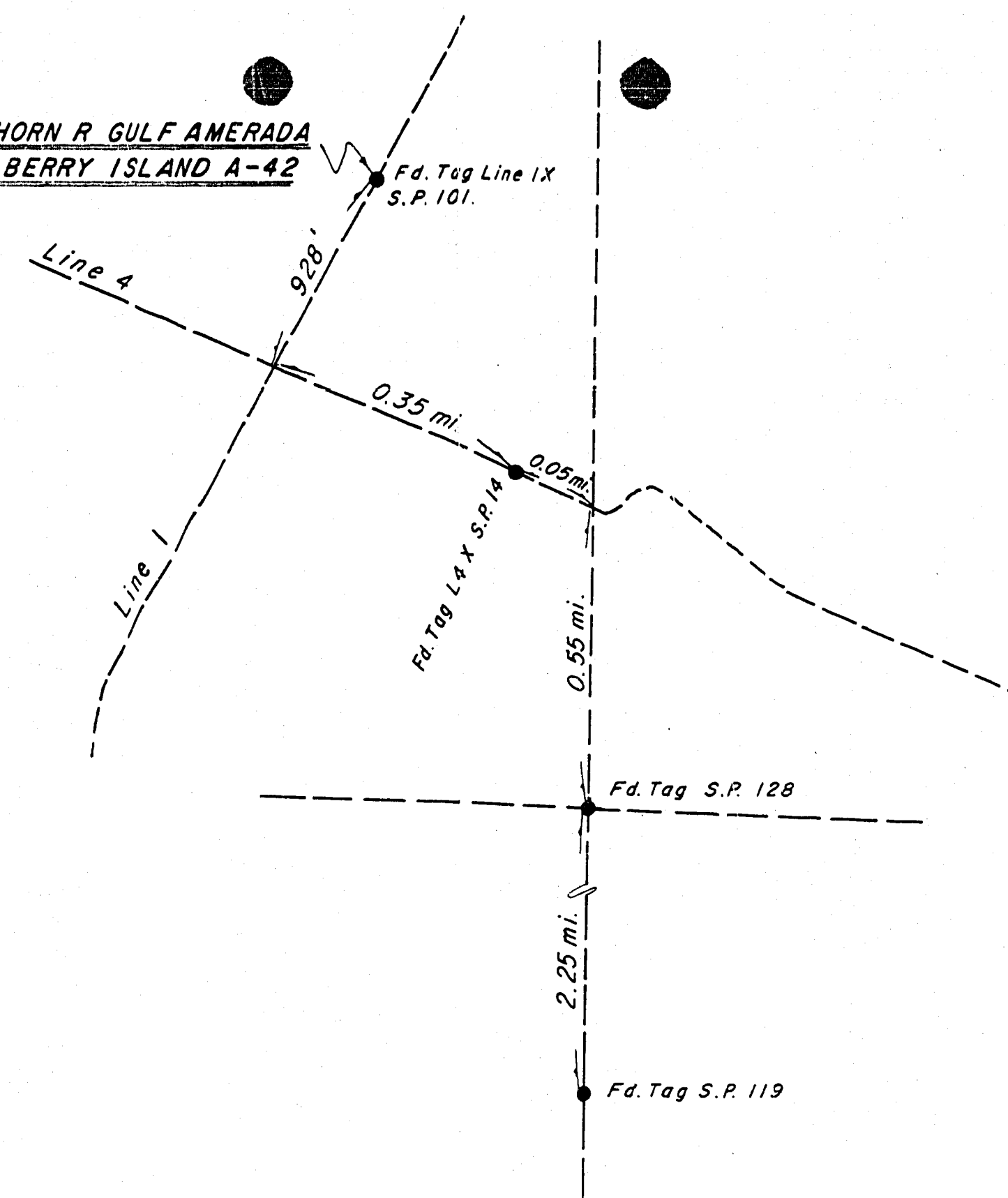
LOCATION										WIRE LINE RECORD		REEL NO.							
SIZE	MAKE	WT. & GR.	NO. JOINTS	FLET	RKN. TO CSG. HD.	SET AT	SIZE	NO. LINES	FT. SLIPPED										
							FT. CUT OFF	PRESENT LENGTH											
							TON MI. OR TRIPS SINCE LAST CUT												
							CUMULATIVE TON MI. OR TRIPS												
FOOTAGE										DR. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1	PUMP NO.	METHOD RUN	
FROM	TO																		
108	240		122										88		200		5 70		
DEVIATION RECORD										DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	
										108	0°		224	3/4°					
TIME LOG										ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO																		
1200	1215		14										SURVEY						
1215	1230		5 1/4										DRILL 12 1/4 HOLE.						
1230	1250		2										TRIP 1/2 BIT						
1250	1300		1 1/2										DRILL						
1300	1315		1/4										SURVEY						
1315	1330		3/4										DRILL						
										CRACK & BOUNDED 1/4 TO 1/2									
										DRILLER									
FOOTAGE										DR. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1	PUMP NO.	METHOD RUN	
FROM	TO																		
240	392		152										110		15		200 5 70		
DEVIATION RECORD										DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	
										311	1 1/2°		365	1 3/4°					
TIME LOG										ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO																		
800	815		14										RIG SERVICE.						
815	1100		2 3/4										DRILLING 12 1/4 HOLE.						
1100	1130		1/2										CIRC. & SURVEY						
1130	1230		3										DRILLING.						
1230	1300		1/2										SURVEY						
1300	1400		1										DRILLING.						
										DRILLER									
FOOTAGE										DR. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1	PUMP NO.	METHOD RUN	
FROM	TO																		
392	502		110										110		10		200 5 70		
DEVIATION RECORD										DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	
										421	2°		479	2 1/2°					
TIME LOG										ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO																		
400	415		14										RIG SERVICE						
415	600		1 3/4										DRILLING.						
600	615		1/4										SURVEY						
615	900		2 3/4										DRILLING.						
900	915		1/4										SURVEY						
915	1130		2 1/4										DRILL						
1130	1200		1/2										TRIP TO RUN 7 1/2 TO 1/2						
										DRILLER									





NOTE: Relative to information supplied by client.

HORN R GULF AMERADA
BERRY ISLAND A-42



DETAIL
Not to Scale

NOTE: Well is to be drilled at Shot Point 101, Line 1

HORN RIVER RESOURCES LTD.
PLAN
SHOWING SHOT POINT LOCATION OF
HORN R GULF AMERADA BERRY ISLAND A-42
CAMSELL BEND AREA
NORTHWEST TERRITORIES

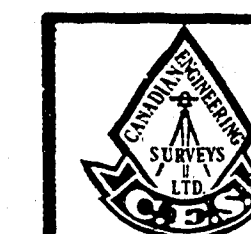
Scale: 1 in. to 1 mile

GRID AREA: 62°30' N, 123°00' W

Certified correct, January 27th, 1971.

[Signature]
Dominion Land Surveyor

SIGNATURES FOR
HORN RIVER RESOURCES LTD.



CANADIAN ENGINEERING SURVEYS CO. LTD.
EDMONTON ALBERTA

JOB NO.:	C 6477
DATE:	Jan. 27th/71
DRWG NO.:	6477-M-1