

PAN AM A-1 Island RIVER No. 1

Drilling Authority No. 107
Date Issued 12/12/61

WELL NO. Pan An L-I Island River No. 1

FIELD Wilicat

Area: Island River

LOCATION: Unit

Section

Grid

Latitude 00°08'02" N.

Longitude 121°05'15" W.

From Established Reference Marker

Rig Release Date:

Status

Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
12/12/61	Application for a Drilling Authority.
9/4/62	Well Completion Data.
	Well History Report.
8/2/62	Application to Amend a Drilling Authority.
	Application to change a Well Name.
27/3/62 } 10/11/67 } →	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.
	Approval to Commingle Production before Measurement.
	Application to Amend Approval No. to Commingle Production before Measurement.
	Application for M.P.R.—Oil.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Field Abandonment Programme and Approval.
	Well Card.
	Well Visit.
	Daily Drilling Reports.



Drilling Authority No. 107
Date Issued December 12, 1961

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

WELL COMPLETION DATA

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

Well name and number **Pan Am A-1 Island River #1** (D-29)
Permit No. **2709** Lease No. _____
Pan American Petroleum Exploratory Licence No. **1200**
(Permitter, Licensee, Lessee)
Pan American Petroleum Exploratory Licence No. **1200**
(Operator)
Location: Unit **D** Section **29** Grid **60° 10' N, 121° 00' W**
Latitude **60° 08' 07.74" N** Longitude **121° 05' 17.10" W**
From Established Reference Marker **MTL/B.C. Boundary Marker No. 87**
Universal Well Location Reference _____

	DATE	DEPTH
Spudded	12-17-61	TD 8150
Suspended	3-27-62	PBD 4150
Resumed Operations		
Finished Drilling	2-24-62	8150
Deepened		
Complete (gas/oil)		
Abandoned	5-19-68	
Rig released	3-10-62	8150

Pool(s) **M11**
Interval(s) open to production **M11**
Elevation: Gr. **2197.2** K.B. **2215**
Rig No. **20**
Drilling Contractor **Drinkerhoff Drigs.**
Contractor's Business Licence No. _____

CASING RECORD

Casing Size (Inches)	Grade	Weight	Amount	Set at -	Sacks of Cement and Additives
1. 13 3/8		54.5#	39 jts.	1283	1150 Sxs. Cement + 2% CaCl ₂
2.					
3. 9 5/8		36#	114 jts.	4150	450 Sxs. Cement
4.					
5. (Cut off 13 3/8" & 9 5/8" csg. 3 ft. below ground level)					
6. Cemented with 5 Sxs. & weld on plate)					

GEOLOGICAL TOPS	ELEVATION		CORE RECORD					
	Depth	Sub-Sea	From	To	Rec.	From	To	Rec.
			7056	7106	49			
Miss	2107		7107	7121	14			
D-1	3366							
1st Lime	3456							
2nd Lime	3934							
3rd Lime	4987							
Hay River	5042							
Black Shale	6942							
Slave Pt.	7097							
Watt Mtn.	7166							
Elk Pt.	7275							
Dolomite	7716							
Pre-Middle Dev.	7886							
Pre Cambrian	8148							
TD	8150							

LOG RECORD			
Run No.	Type of Log	From	To
1.	Ind.	1283	8149
1	Sonic Gamma Ray w/Caliper	1283	8142
1	Cont. Dipmeter	1283	8140
1	Dipmeter, Computed	1283	8140



SERVICING RECORD (Acidizing, Fracturing, etc.)

PERFORATING RECORD (Bullet, Jet)

CEMENTING RECORD (Plug, Squeeze, etc.)

Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
3-1-62	8150	8090	Plug #1, 50 Szs + .027% HR-12								
3-1-62	7880	7670	Plug #2, 100 Szs + .027% HR-12 Felt after 8 @ 7632								
3-1-62	7150	7070	Plug #3, 60 Szs Felt after 8 @ 7032								
3-1-62	4370	4050	Plug #4, 250 Szs Felt after 8 @ 4150								

May 19, 1968 Surface 13 3/8" & 9 5/8" casing cut off 3' below ground level. Cemented with 5 sacks & welded on plate, erected slightly. DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	L.S.I. Mins.	P.S.I. Mins.	I.S.L.R.H.P.	F.S.I.B.H.P.	L.F.R.H.P.	F.F.R.H.P.	L.H.P.	F.H.P.	REMARKS
1	2-20-62	Dolomite	7685	7930	134	30	60	2922	2928	1037	2928	4082	3946	Good Blow. Dead in 25 min. Recovered 135' of drilling mud, 140' of gas cut mud, 380' of black sulphurous

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks
Chem & Geo E19310	Water	7685	7930	D.S.T. #1	Samples from Top, Middle and Bottom of Interval

PRESENT STATUS OF WELL

Oil	(Interval)
Gas	(Interval)
Dry	P I A
Susp.	

Company Pan American Petroleum Corporation

Signed *[Signature]*

Title *Ally Bowman*

Date 6-17-68

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



File No. 107
Drilling Authority No.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT 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 or suspend drilling.

Name and number of well Pan Am A-1 Island River #1
Location: Unit 50°05'07.78"N Section 27 Grid 60°10'N 121°05'W
Latitude 50°05'07.78"N Longitude 121°05'17.10"W
From Established Reference Marker INT. B.C. Boundary Monument No. 57
Universal Well Location Reference
Permit No. 2107 Lease No. H/A

Date of commencement of proposed program November - 1967
(Operator, Licensee, Lessee)

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at SEE PREVIOUS APPLICATION
Gas at
Water at 3-10-62
Total Depth 8150' effective P.D. 4110' (indicates a cement plug @ 4150 and 3/4' of
Present condition of well cement inside the 9-5/8" casing.

Suspended as per Approval dated March 27, 1962.

CASING RECORD

Casing Size O.D., Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Piped
1. 13-3/8	54.5#	1274'	1283	1150 sx cement + 2% CaCl-2	
2. 9-5/8	36#	4165	4150	450 sx cement	
3.					
4. (The float collar was not drilled out.				The bottom 3/4' of 9-5/8" is	
5. filled with cement.)					

PROPOSED ABANDONMENT PROGRAM

No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
	Cut off 13-3/8 and 9-5/8 casing 3' below ground level			
	Put in 5 sacks Plug in top of casing			
	Weld on plate with 2" riser to 4' above Ground			
	Put well name on plate in Weld metal			

The following logs have been run SEE PREVIOUS APPLICATION
Other operations proposed.

Operations to be carried out by Contractor Licence No.
Address Mr. H. Bullen, Neil D. McLean Building, Grande Prairie, Alberta
Responsible Agent in field this 7th November 67
Dated at Calgary, Alberta
Signed Division Superintendent Company Pan American Petroleum Corporation
Title Operator's Exploratory Licence No. 1170

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

(For RESOURCE MANAGEMENT DIVISION use only)

APPROVAL

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

Dated 10th November 1967

B. H. Thomas
Oil Conservation Engineer

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



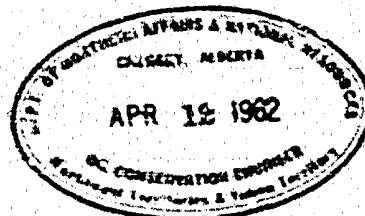
Drilling Authority No. 107
Date Issued Dec. 12, 1961

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
RESOURCES DIVISION

WELL COMPLETION DATA

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

Well name and number **Pan Am A-1 Island River #1**
Permit No. **2709** Lease No. **HA**
Pan American Petroleum Corp. Exploratory Licence No. **569**
(Permitter, Licensee, Lessee)
Pan American Petroleum Corp. Exploratory Licence No. **569**
(Operator)



Location: Unit **B** Section **29** Grid **60°10'N 121°00'W**
Latitude **60°08'07.74"N** Longitude **121°05'17.10'W**
From Established Reference Marker **BMT/B.C. Boundary Monument No. 87**

	DATE	DEPTH
Spudded	12-17-61	TD 8150
Suspended	3-5-62	PHD 4150
Resumed		
Finished Drilling	2-24-62	8150
Deepened		
Complete (gas/oil)		
Abandoned		TD 8150
Rig released	3-10-62	PHD 4150

Pool (S) **None**
Interval(s) open to production
None
Elevation: Gr. **2197.2**
K.B. 2215
Drilling Contractor & Rig No. **Brinkerhoff Drilling Co. Ltd. #20**
Contractor's Licence No. **15476**

CASING RECORD

Casing Size (Inches)	Weight	Amount	Set at—	Sacks of Cement	Method
1. 13-3/8"	54.5	1283	1283	1150 sz + 2% CaCl ₂	2 Plug
2.					
3. 9-5/8"	36	4146	4146	450 sz	2 Plug
4.					
5.					
6.					

GEOLOGICAL TOPS	ELEVATION		CORE RECORD					
	Depth	Sub-Sea	From	To	Rec.	From	To	Rec.
Mississippian	2107	+ 108	7056	7106	48.7			
1st Limestone	3456	- 1241	7107	7121	14			
2nd Limestone	3934	- 1719						
3rd Limestone	4987	- 2772						
Hay River Shale	5042	- 2827						
Slave Point	7097	- 4882						
Watt Mtn.	7166	- 4951						
Elk Point	7716	- 5501						
Pre-Devonian	7862	- 5647						
Pre-Cambrian	8136	- 5921						

LOG RECORD

Run No.	Type of Log	From	To
1	Sonic Gamma Ray & Caliper	8142	1283
1	Induction Electric	8149	1283
1	Dipmeter	8140	1283



DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
RESOURCES DIVISION

Application to Abandon a Well or Suspend Drilling

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

Name and number of well **Pen As 2-1 Island River #1**
Location: Unit **23** Section **65°10'N 122°30'W**
Latitude **65°10'N** Longitude **122°30'W**
From Established Reference Marker **MT/L.C. Boundary Monument No. 87**

Permit No. **2109** Lease No. **23**
Pen American Petroleum Corporation
(Permitter, Lessee, Licensee)

Date of commencement of proposed programme **3-1-62**

OIL, GAS, AND WATER ENCOUNTERED (Depths)

Oil at **None**
Gas at **None**
Water at **7930-7685 See 7795' salt water on MT #1**
Total Depth **8150** Date of last operations **3-15-61**
Present condition of well **Original hole plugged back to 4150. 9-5/8" casing installed.**

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At	Each of Cement	Method	Amount Pulled
1. 13-3/8	50.5	1283	1283	1150	2 Plug	-
2. 9-5/8	40 - 43.5	4146	4146	450	2 Plug	-
3.						
4.						
5.						

PROPOSED ABANDONMENT PROGRAMME

No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	8150-8050	Pre Cambrian & Devonian	30	
2	7880-7670	Ed. Point Salinite	100	Test after 8 hrs.
3	7050-7-50	Slave Point	60	Test after 8 hrs.
4	4350-4050	Second Limestone	250	Test after 8 hrs and pull off to 4150.

The following logs have been run **Down Santa Caliper, Induction Electric**
Other operations proposed **Casing set in preparation to directionally re-drill the well**

Operations to be carried out by **Brickmont Drilling Co.** Contractor Licence No. **1976**
Address **220 Bantall Building, Calgary, Alberta** Address **600 Bantall Building, Edmonton**
Responsible Agent in field **L. P. Ruse**
Dated at **Edmonton**, this **20th** Day of **March**
Signed by **W. M. Boyer** Company **Pen American Petroleum Corporation**
Title **Area Superintendent** Exploratory Licence No. **969**

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

(For RESOURCES DIVISION use only)

APPROVAL

This application has been examined and proposed programme approved, subject to the following conditions:
but see our letter of 27th March 1962

Dated **27th March**, 19 **62**

Forms to be submitted in triplicate to Oil Conservation Engineer, Calgary, Alberta

File No.

Drilling Authority No.



DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
RESOURCES DIVISION

Application to Amend a Drilling Authority

This application, in triplicate, must be submitted and approved before commencing operations. If the well location is changed, this application must be accompanied where required, with a plan of survey approved by the Surveyor General.

In compliance with the "Canada Oil and Gas Land Regulations", application is made hereby to amend
Drilling Authority No. 107 concerning

Pan Am 1-1 Yaland River #1
(Name and Number of Well)

The following amendments are required:

NEW: Latitude - 60° 08' 07.74"
Longitude 121° 05' 17.10"

Old: Latitude 60° 08' 02"
Longitude 121° 05' 15"

Reasons for the amendments: To change the wellsite location to the new
latitude and longitude as provided by the final survey.

Dated at Edmonton, this Sixth day of February, 19 62.

Signed by

W. M. Boyuk

Title

Area Superintendent

Company Pan American Petroleum Corporation

(For Resources Division use only)

APPROVED

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

Date 8th February, 1962

B. H. Shuman

Forms to be submitted to the Oil Conservation Engineer, Calgary, Alberta.



DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
RESOURCES 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 made hereby for approval to drill:—

Name and number of well **Pan Am 4-1 Island River #1**
Location: Unit **D** Section **29** Grid **60° 10' - 121° 00'**
Latitude **60° 08' 02" N** Longitude **121° 05' 15" W**
From Established Reference Marker

Elevation: Ground **NA** K.B. **NA** feet above sea-level.
Well is expected to produce from **Elk Point** formation at a depth
of about **7150** feet.
Area assigned to well (for Oil Conservation Engineer's use only)

Permit No. **2709** Lease No. **NA** Acreage **63,854**
Permittee, licensee, or lessee **Pan American Petroleum Corporation**
Exploratory Licence No. **569**
Surface owned by Crown or **Crown** (If alienated submit name and address of owner and occupant.)

Petroleum and natural-gas rights owned by **Pan American Petroleum Corporation**

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	Brand	New or Used	Estimated Depth	Sacks of Cement
1. 13-3/8"	54.5	J-55	-	New	1000'	To surface
2.						
3.						
4.						
5.						

Expected water, gas, and oil horizons and type of control equipment **Elk Point**
Drilling mud and blow out preventers.

Well will be drilled with (Rotary) Rig No. **20** by **Brinkerhoff Drilling Co. Ltd.**
(Drilling Contractor or company)

220 Bentall Building, Calgary, Alberta.

Responsible agent of applicant:—

Contractor's Licence No. **15476**

At well **H. B. Bullen**

At registered office **W. M. Bogert**

Address **Fort Nelson, B.C.**

Address **600 Bentall Building, Edmonton, Alberta.**

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

Dated at **Edmonton**, this **Seventh** day of **December** 19 **61**

Signed by **W. M. BOGERT**

Company **Pan American Petroleum Corporation**

Title **Area Superintendent.**

Licence No. **569**

(For Resources Division use only)

APPROVED

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

**At least weekly reports as received by radio will be submitted to
reach this office on Tuesday of each week**

Dated **12th December** 19 **61**

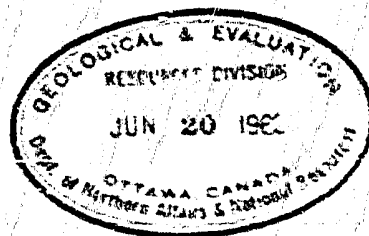
Forms to be submitted to Oil Conservation Engineer, Calgary, Alberta.

TELL HISTORY REPORT

PAN AMERICAN A-1 ISLAND RIVER d-29

Un. d. Sec. 29, $60^{\circ}10'$; $121^{\circ}00'W$.

N. N. T.



WELL HISTORY REPORT

PAN AMERICAN A-1 ISLAND RIVER d-29

Unit d, Section 29, 60° 10' N; 121° 00' W.

NORTHWEST TERRITORIES

Pan American Petroleum Corporation
Edmonton, Alberta

May, 1962

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ENCLOSURES

Tools

Sonic with 2 1/2" & 4" Caliper

Induction Electric

Continuous Diameter

Computed Diameter

Analysis

Water Analysis D.T. 1

Drillstem Test Charts

D.T. 1

WELL HISTORY REPORT
PAN AMERICAN PETROLEUM CORPORATION

SECTION 1 - Summary of Well Data

(a) Well Name and Number

Pan American A-1 Island River d-29

(b) Permittee

Pan American Petroleum Corporation

(c) Name of Operator

Pan American Petroleum Corporation
Bentall Building
Edmonton, Alberta

(d) Location

Latitude - 60° 08' 7.74" N; Longitude 121° 05' 17.10" W.
Unit d, Section 29, 60° 10' N; 121° 00' W.

(e) Co-ordinates

785.9' N; 391.2' W of the SE Bdy of Unit d

(f) Permit and Lease No.

Permit No. 5709; Lease No. 5759

(g) Drilling Contractor

Brinkerhoff Drilling Co. - Rig #20 - Contract #15476

(h) Drilling Authority

No. 107

(i) Classification

Exploratory

(j) Elevations

K.B. 2215'

Ground 2197.2'

(k) Spudded

December 17, 1961

(l) Completed Drilling

March 10, 1962

(m) Total Depth

8150' - Pre Cambrian

(n) Well Status

Suspended

(o) Rig Release

March 10, 1962

(p) Hole Size

12-1/4"; 8-3/4"

(q) Casing13-3/8" at 1283' with 1150 sack cement plus 2% CaCl_2 9-5/8" at 4146.29' with 450 sack cement plus 2% CaCl_2 SECTION II - Geological Summary

(a) <u>Formation Tops</u>	<u>E-log</u>	<u>Subsea</u>	<u>Sample</u>
Mississippian	2107	+ 108	2110
Exshaw	3347	-1132	3350
Devonian	3366	-1151	3400
1st Lime	3456	-1241	3440
2nd Lime	3934	-1719	3955
3rd Lime	4987	-2772	4986
Hay River	5042	-2828	5045
Black Shale	6942	-4727	6900
Slave Point	7097	-4882	7132
Watt Mountain ?	7166	-4951	7220
Elk Point			7275
Elk Point Dolomite	7716	-5501	7728
Pre M. Devonian	7886	-5671	7862
Pre Cambrian	8148	-5933	8155
Total Depth	8150	-5935	

(b) Cored Intervals

#1 - 7056 - 7106 - Cut 50' - Rec.'d 48.7'

#2 - 7107 - 7121 - Cut 14' - Rec.'d 13.7'

(c) Core Descriptions

Core #1 7056 - 7106 - Black Shale-Slave Point

Core Times: 15, 20, 22, 22, 23, 20, 20, 23, 20, 20, 42,
 25, 19, 16, 15, 20, 20, 21, 15, 18, 15, 16,
 15, 20, 15, 15, 15, 20, 25, 19, 18, 20, 27,
 23, 20, 35, 27, 25, 22, 7, 21, 29, 22, 29,
 21, 22, 19, 19, 19, 21

- 7056 - 7060 Shale, black to dark brown, calcareous with thin bands of limestone, dark grey to brown, micro to cryptocrystalline, very argillaceous, fractured with calcite infill, trace pyrite and brachiopods.
- 7060 - 7080 Limestone, and shale, as above, interbedded.
- 7080 - 7086 Brecciated? Fragments of limestone (dark brown with brachiopods, amphipora and stromatoporoids in crypto to microcrystalline matrix, very argillaceous) in shale as above.
- 7086 - 7090 Shale, dark grey to black, calcareous, pyrite.
- 7090 - 7106 Limestone, dark grey to brown, micro to cryptocrystalline, slightly to very argillaceous, dense, tyrolites and fractures filled with calcite, trace brachiopods and pyrite, occasional coral fragments?

Core #2 7107 - 7121 - Slave Point

Core Times: 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18,
 19, 20, 21, 29, 20, 28, 28, 25, 35, 27, 28,
 20, 30, 20, 23, 24, 25

- 7107 - 7121 Shale, black to dark grey, calcareous, blocky, inter laminated with limestone, dark grey to brown, micro to cryptocrystalline, very argillaceous, dense, fractures filled with calcite, trace organic fragments (coral?) slightly silicified.

(4) Sample Descriptions

0 - 1260	Sandstone, light grey, brown, fine grained, calcareous, trace glauconite, friable, shale, light grey, soft.
1260 - 1270	as above, in part shaly.
1270 - 1280	light grey, fine grained, calcareous, trace glauconite, friable.
1280 - 1290	shaly partings, slightly calcareous.
1290 - 1300	light grey, fine grained, glauconite, friable.
1300 - 1310	light grey, very fine to fine grained, calcareous, shaly partings, slightly friable.
1310 - 1320	as above, well cemented.
1320 - 1330	as above.
1330 - 1340	as above, shaly partings, abundant, grey, soft.
1340 - 1350	Shale, grey, soft, with interbedded sandstone lenses, as above.
1350 - 1360	as above, with sandstone, light grey, fine grained, glauconitic, calcareous.
1360 - 1390	as above.
1390 - 1400	Sandstone, light grey, fine grained, firm, glauconite, with shale, grey, soft flaky.
1400 - 1410	light grey, fine grained, interbedded with grey shale partings.
1410 - 1430	as above.
1430 - 1440	as above, with shale, grey, interbedded with grey sandstone, as above.
1440 - 1450	Shale, grey, interbedded with sandstone as above.
1450 - 1460	as above.
1460 - 1470	Shale, grey, flaky, soft, micro micaceous.
1470 - 1490	as above.
1490 - 1570	as above, trace sandstone partings, lenses.
1570 - 1650	as above, silty lenses.
1650 - 1750	as above, silty, sandy, lenses.
1750 - 1800	Sh, grey, dark grey, flaky.

1800 - 2080	Shale, grey, dark grey, flaky, soft.
2080 - 2110	Sandstone, light grey, very fine grained, micro-micaceous, firm.
TOP MISSISSIPPIAN 2110	
2110 - 2120	Limestone, buff, cream, calcisiltite to calcarenite, partially recrystallized, with shale, pale green, soft, flaky.
2120 - 2130	Limestone and shale as above with pyrite.
2130 - 2160	Shale, pale green, soft, with interbedded fossil fragments, brachiopods, crinoids, bryozoans, pyrite, pale green, in part light grey, soft, flaky, with plant fragments, scattered fossil fragments.
2160 - 2170	as above with limestone, buff, tan calcisiltite to calcarenite, fossil fragments, with light green, shale partings.
2170 - 2180	Shale, as above.
2180 - 2190	as above, with limestone, buff, calcisiltite to calcarenite, fragments, fossil.
2190 - 2230	Shale, as above.
2230 - 2240	Shale, as above, with siltstone, light green, grey, shaly, calcareous.
2240 - 2250	Shale, as above, with limestone, light grey, calcisiltite, with crinoids, argillaceous.
2250 - 2270	Shale, as above, limestone, as above.
2270 - 2280	Shale, light grey, grey, dark grey, flaky, soft, with trace of interbedded fossils.
2280 - 2300	Shale, as above, with limestone, buff, light grey, calcisiltite, argillaceous, trace fossils.
2300 - 2310	Shale, grey, dark grey, trace light pale green.
2310 - 2320	Shale, as above, with limestone, light grey, buff, calcisiltite, fossil fragments, argillaceous.
2320 - 2330	Shale, as above, with limestone, light grey, cream, calcisiltite, fossil fragments, chaky in part.
2330 - 2340	Limestone, light grey, calcisiltite, argillaceous, chaky, trace fossils.
2340 - 2350	Limestone, as above.
2350 - 2360	Limestone, buff, cream, light grey, calcisiltite, chaky, soft, argillaceous in part.

- 2360 - 2370 Siltstone, light grey, slightly calcareous, hard, with interbedded limestone.
- 2370 - 2380 as above, with limestone, light grey, calcisiltite, with fossil, in part silty, shaly.
- 2380 - 2390 as above.
- 2390 - 2400 Limestone, grey argillaceous, silty with shale, dark grey, black, flaky.
- 2400 - 2410 limestone, cream, calcisiltite, chunky, fossil with shale as above.
- 2410 - 2430 as above.
- 2430 - 2440 Limestone, tan, light grey, calcisiltite, argillaceous, chunky, with some shale partings.
- 2440 - 2450 Shale, grey, dark grey, flaky, soft.
- 2450 - 2460 as above, with limestone, buff, light grey, trace fossils.
- 2460 - 2470 Shale, as above.
- 2470 - 2500 Limestone, light grey, calcisiltite, soft, chunky, with shale partings, slightly pyritic.
- 2500 - 2510 as above, shale partings more common.
- 2510 - 2520 as above, shaly.
- 2520 - 2530 as above, very shaly.
- 2530 - 2540 Shale, light grey, calcareous, soft, slightly pyritic.
- 2540 - 2550 as above.
- 2550 - 2560 Limestone, tan, brown, calcarenite, with shale partings.
- 2560 - 2570 Shale, dark grey, calcareous, hard with interbedded crinoidal stems.
- 2570 - 2600 as above.
- 2600 - 2640 Shale, grey, dark grey, soft, in part slightly calcareous.
- 2640 - 2650 as above, with limestone, grey, calcisiltite, argillaceous, shaly partings, salty.
- 2650 - 2660 as above, with siltstone, light grey, calcareous.
- 2660 - 2670 Shale, grey, dark grey, flaky, soft.
- 2670 - 2680 as above.

2680 - 2690	Shale, as above, slightly calcareous.
2690 - 2730	as above.
2730 - 2740	as above, trace shale, grey, green.
2740 - 2750	as above.
2750 - 2860	Shale, grey, dark grey, grey to green, fissile, soft, in part calcareous.
2860 - 2900	Shale, dark grey, slightly calcareous.
2900 - 2960	Shale, dark grey, blocky, slightly calcareous, firm.
2960 - 3000	Shale, grey, very dark grey, blocky.
3000 - 3050	as above, in part slightly calcareous.
3050 - 3090	as above, slightly calcareous.
3090 - 3140	as above, slightly calcareous.
3140 - 3300	as above, slightly calcareous.
3300 - 3350	as above, poor sample.
	TOP EXSHAW 3350
3350 - 3370	as above, trace shale, dark brown, bituminous-like.
3370 - 3380	as above, slightly siliceous, trace chert, brown.
3380 - 3400	as above, poor sample.
	TOP DEVONIAN 3400
3400 - 3410	Shale, grey, light grey, in part calcareous.
3410 - 3420	as above.
3420 - 3430	Shale, light grey, calcareous, soft, trace crinoids.
3430 - 3440	as above, with shale, dark grey, fissile.
	TOP 1ST LIMESTONE 3440
3440 - 3450	Limestone, buff, calcisiltite, crinoids common.
3450 - 3460	Limestone, buff, calcisiltite, crinoids common.
3460 - 3470	as above, trace pyrite.
3470 - 3480	buff, light grey, calcisiltite, in part argillaceous.
3480 - 3490	as above, with shale, grey, calcareous, with inter-bedded crinoids.
3490 - 3500	Limestone, as above.

- 3500 - 3510 Limestone, as above, crinoids and ostracods common, with shale, light grey, green, calcareous, with some crinoids.
- 3510 - 3520 Limestone, as above, gastropods common with shale as above.
- 3520 - 3530 Limestone and shale as above.
- 3530 - 3540 Shale, grey, green, calcareous, trace few crinoids.
- 3540 - 3550 as above.
- 3550 - 3560 as above with Limestone, tan, buff, calcarenite, crinoids common.
- 3560 - 3570 Shale, light grey, green, calcareous, soft.
- 3570 - 3580 as above, trace shale, dark grey.
- 3580 - 3590 as above, with trace limestone, tan, buff, crinoids, trace ostracods.
- 3590 - 3600 as above.
- 3600 - 3650 Limestone, light buff, sublithographic with occasional relic granular text, dense, few crinoid and brachiopods, in part very slightly pyritic; with shale, light grey, soft, slightly calcareous.
- 3650 - 3660 Limestone, light buff, sublithographic, bioclastic, dense, few brachiopods and crinoids.
- 3660 - 3720 Shale, light grey, soft, calcareous; with limestone, as above.
- 3720 - 3820 Shale, light grey, calcareous, lumpy to fissile, trace crinoids, generally soft; with occasional limestone stringer, light brown, sublithographic, few brachiopods and crinoids.
- 3820 - 3870 Shale, light grey, calcareous, soft, lumpy to fissile, crinoid ossicles quite common.
- 3870 - 3900 Shale, as above; with limestone, light brown, sublithographic, bioclastic.
- 3900 - 3950 Shale, light grey, soft, occasional trace of crinoids, lumpy to splintery.
- TOP 2nd LIMESTONE 3955
- 3950 - 3960 Shale, as above; with limestone, light brown to cream, sublithographic, dense, hard, occasional crinoid.
- 3960 - 4020 Limestone, light brown to cream, sublithographic with occasional bioclastic texture, argillaceous in part, slightly pyritic, dense, hard, few crinoids and brachiopods.

- 4020 - 4050 Limestone, as above; with minor shale, light grey to green to grey, calcareous.
- 4050 - 4100 Limestone, light brown, sublithographic, bioclastic with occasional relic granular texture, crinoids and brachiopods, few hairline fractures, dense, slightly pyritic.
- 4100 - 4110 Limestone, cream to light brown, sublithographic, bioclastic, hairline fractures.
- 4110 - 4130 Limestone, as above; with shale, light green to grey, calcareous, lumpy.
- 4130 - 4150 Limestone, light brown, sublithographic, trace floating quartzitic grains, few broken skeletal remains.
- 4150 - 4200 Limestone, light brown to cream, sublithographic, silty, occasional granular texture, few clear quartzitic crystals, hard, dense.
- 4200 - 4230 Limestone, as above, silty to slightly argillaceous.
- 4230 - 4260 Limestone, cream to light brown, sublithographic, silty, hard, dense, pyritic.
- 4260 - 4270 Limestone, cream to light brown, few floating quartzitic grains.
- 4270 - 4280 Limestone, cream to light brown, trace shale, light grey, calcareous.
- 4280 - 4300 Limestone, cream to light brown, few floating quartzitic grains.
- 4300 - 4320 Limestone, light brown to light grey, sublithographic to very fine crystalline, silty; with shale, light grey, calcareous.
- 4320 - 4350 Limestone, cream to light brown, sublithographic to very fine crystalline, silty, trace pyrite, nodules, and stringers, minor organic stain, hard, dense.
- 4350 - 4360 Siltstone and limestone, interbedded.
- 4360 - 4400 Siltstone, light grey to cream, very calcareous, quartzose, angular, trace glauconite and crinoids; with occasional trace of silty limestone, as above.
- 4400 - 4450 Sandstone, light grey, quartzose, very fine grained, clean, calcareous cement, trace glauconite, hard; with few crinoid ossicles.
- 4450 - 4480 Sandstone and limestone, as above, interbedded.
- 4480 - 4490 Limestone, cream to light brown, as above, minor sandstone, as above, and shale, light grey calcareous.

- 4490 - 4510 Limestone, light brown, very fine grained, few broken skeletal remains, few brachiopods; with sandstone, calcareous, very fine grained, as above.
- 4510 - 4520 Limestone, as above; with sandstone, as above.
- 4520 - 4540 Limestone, light brown, fine grained to sublithographic, in part sandy; with shale, dark brownish black, bituminous-like, calcareous, soft.
- 4540 - 4550 Limestone, as above; shale, bituminous, as above.
- 4550 - 4570 Limestone, light brown to light buff, very fine crystalline to granular, in part silty, slightly pyritic; with shale, light greenish grey, calcareous.
- 4570 - 4600 Limestone, as above; with shale, as above.
- 4600 - 4610 Limestone, light brown, sublithographic to very fine crystalline, trace chert; with shale, light greenish grey, calcareous, pyritic, soft.
- 4610 - 4630 Shale, light greenish grey, calcareous, lumpy to fissile; with limestone as above.
- 4630 - 4640 Shale, light greenish grey, calcareous, lumpy to fissile; with limestone, abundant fossils to brachiopods, bryozoans.
- 4640 - 4650 Shale, light greenish grey, calcareous, lumpy, soft.
- 4650 - 4670 Shale, as above.
- 4670 - 4680 Shale, as above, with limestone stringers, light brown, sublithographic, dense.
- 4680 - 4690 Shale, and limestone, as above.
- 4690 - 4700 Shale, and limestone, as above, abundant crinoids, brachiopods.
- 4700 - 4720 Shale and limestone.
- 4720 - 4730 Shale, light greenish to grey, calcareous, soft, lumpy to splintery.
- 4730 - 4750 Shale, as above.
- 4750 - 4840 Shale, light grey, calcareous splintery, lumpy to splintery, soft.
- 4840 - 4860 Shale, light grey to light greenish grey, in part slightly calcareous, lumpy to splintery, soft.
- 4860 - 4870 Shale, as above.
- 4870 - 4880 Shale, light grey, as above; with siltstone, light brown to light grey, calcareous cement, hard.

- 4880 - 4890 Shale, light grey, as above, with limestone, light brown, very fine crystalline, crinoidal, dense; trace siltstone.
- 4890 - 4900 Shale, light grey, as above; with trace limestone and siltstone, as above.
- 4900 - 4940 Shale, light grey, in part calcareous, splintery to blocky, soft.
- 4940 - 4950 Shale, light grey, generally non-calcareous.
- 4950 - 4980 Shale, light grey, in part calcareous, splintery to blocky; with thin limestone stringers, light brown, sublithographic to fine granular, in part bioclastic, hard, dense.
- TOP 3RD LIMESTONE 4980
- 4980 - 4990 Shale, as above, with limestone, as above.
- 4990 - 5040 Limestone, light brown, sublithographic to very fine crystalline, trace of relic granular texture, slightly pyritic, generally argillaceous, hard, occasional poor porosity, broken skeletal remains to brachiopods, crinoids, slightly fractured and infilled with white secondary calcite, trace of organic staining.
- TOP HAY RIVER SHALE 5045
- 5040 - 5050 Limestone, as above, with shale, light grey, non-calcareous, blocky to splintery.
- 5050 - 5060 Shale, as above, with trace limestone, as above.
- 5060 - 5080 Shale, light grey, non-calcareous.
- 5080 - 5090 Shale, light grey, generally non-calcareous, splintery to blocky.
- 5090 - 5100 Shale, light grey, as above.
- 5100 - 5120 Shale, light grey, in part calcareous, blocky to splintery; with occasional trace of crinoid ossicles.
- 5120 - 5150 Shale, as above.
- 5150 - 5160 Shale, light grey, blocky to splintery in part calcareous.
- 5160 - 5200 Shale, as above.
- 5200 - 5220 Shale, light grey, in part calcareous, blocky to splintery; with trace siltstone, light grey, calcareous, clean, hard.
- 5220 - 5240 Shale, light grey, as above.
- 5240 - 5260 Shale, light grey, calcareous, blocky to splintery; with siltstone, light grey, calcareous, hard, clean, dense.

- 5260 - 5280 Shale, light grey, in part calcareous, blocky to splintery.
- 5280 - 5290 Shale, as above, few crinoids.
- 5290 - 5300 Shale, as above, few crinoids; with siltstone, medium grey, calcareous, argillaceous, hard.
- 5300 - 5310 Shale, as above, with siltstone, as above.
- 5310 - 5350 Shale, light grey, in part calcareous, blocky to splintery, with trace sandstone, medium grey, very fine grained, calcareous cement, argillaceous, hard, dense.
- 5350 - 5400 Shale, light grey, in part calcareous, splintery to blocky, with sandstone, light grey to light medium grey, calcareous cement, generally subangular, very fine to fine granular, dense, with occasional trace limestone, light brown, fine granular, sandy, few trace crinoids.
- 5400 - 5450 Sandstone, light to medium grey, fine grained, calcareous cement, in part argillaceous, micaceous, dead oil stain? subangular to subrounded, with shale and limestone, as above.
- 5450 - 5460 Sandstone, grey to light brown, as above, micaceous, dead oil stain?
- 5460 - 5470 Sandstone, as above, with shale, grey, blocky, limy; trace limestone, light brown.
- 5470 - 5480 Sandstone, as above, with shale, streaks.
- 5480 - 5490 Shale, grey, blocky to splintery, with sandstone, as above.
- 5490 - 5500 Shale, and sandstone, as above.
- 5500 - 5520 Shale, light grey, in part calcareous, blocky to splintery, slightly pyritic and in part silty; with sandstone, grey to light brown, very fine grained, calcareous cement, dense.
- 5520 - 5550 Sandstone, grey to light brownish grey, very fine grained, abundant calcite cement, often trace crinoids slightly pyritic; which often grades limestone, light brown, fine crystalline to granular, sandy; sand often glauconitic and micaceous.
- 5550 - 5590 Sandstone, as above, with trace limestone.
- 5590 - 5600 Sandstone, light grey, very fine grained, with trace limestone, light grey to light brown, sandy, with shale, light grey.
- 5600 - 5610 Sandstone, light grey, very fine grained, calcareous, micaceous, dense; with shale, light grey, non-calcareous, splintery.

- 5610 - 5630 Shale, light grey, blocky to splintery, generally non-calcareous; with trace sandstone, light grey to brown, very fine grained, calcareous, as above.
- 5630 - 5640 Shale, light to medium grey, splintery to blocky, slightly pyritic, blocky to splintery.
- 5640 - 5670 Shale, light grey to brown, blocky to splintery, non-calcareous; with trace sandstone, light grey, very fine grained, calcareous cement, clean, hard, generally dense.
- 5670 - 5680 Shale, as above; with trace sandstone, light grey, as above.
- 5680 - 5690 Sandstone, light grey, very fine grained, calcareous, micaceous, slightly glauconitic; with trace limestone, light brown, very fine grained, sandy.
- 5690 - 5710 Sandstone, light grey with trace light brown, very fine grained, calcareous cement, micaceous, clean, hard, occasional skeletal remains.
- 5710 - 5740 Sandstone, light grey, as above; with shale, light grey, splintery to blocky.
- 5740 - 5780 Shale, light grey, splintery to fine, occasionally calcareous, rare trace crinoids; with sandstone, light grey, as above; with trace limestone, light brown, sublithographic to very fine granular, in part sandy, trace broken skeletal remains.
- 5780 - 5790 Shale, light grey, as above, trace sandstone, and limestone, as above.
- 5790 - 5800 Shale, light grey, as above, trace sandstone, and limestone, as above.
- 5800 - 5810 Shale, light grey, generally non-calcareous, blocky to splintery, soft.
- 5810 - 5820 Shale, grey, as above.
- 5820 - 5840 Shale, grey, as above, with sandstone, light grey to light greenish grey, very fine grained, calcareous, silty, slightly glauconitic, micaceous, slightly pyritic, trace ostraced.
- 5840 - 5850 Shale, light grey, with trace sandstone and limestone, as above.
- 5850 - 5860 Shale, light grey, with trace sandstone and limestone, as above.

- 5860 - 5870 Shale, light grey, soft, splintery to fissile.
- 5870 - 5880 Shale, light grey, soft, splintery to fissile; with trace siltstone, light grey, calcareous.
- 5880 - 5890 Shale, light grey, soft, splintery to fissile, in part very slightly calcareous.
- 5890 - 5900 Shale, light grey, soft, as above.
- 5900 - 5910 Shale, light grey, in part very slightly calcareous, splintery to fissile.
- 5910 - 5920 Shale, light grey, as above, with trace limestone, light brown, sublithographic, hard, dense.
- 5920 - 5930 Shale, light grey, in part slightly calcareous, blocky to splintery.
- 5930 - 5940 Shale, light grey, as above.
- 5940 - 5950 Shale, light grey, as above.
- 5950 - 5960 Shale, light grey, as above, trace pyrite nodules.
- 5960 - 5970 Shale, light grey, as above.
- 5970 - 5980 Shale, light grey, as above, trace floating quartz grains.
- 5980 - 5990 Shale, light grey, as above.
- 5990 - 6000 Shale, light grey, as above.
- 6000 - 6010 Shale, light grey, in part calcareous, soft, blocky to splintery.
- 6010 - 6020 Shale, light grey, soft, in part calcareous, fissile to splintery.
- 6020 - 6030 Shale, light grey, soft, minor finely disseminated pyrite crystals, generally fissile.
- 6030 - 6040 Shale, light grey, as above.
- 6040 - 6050 Shale, light grey, non to slightly calcareous, soft, flocky to splintery.
- 6050 - 6060 Shale, light grey, as above, soft, blocky to splintery.
- 6060 - 6070 Shale, light grey, as above.
- 6070 - 6080 Shale, light grey, as above, trace ostracod.
- 6080 - 6090 Shale, light grey, in part, slightly calcareous, fissile to splintery, soft.

6090 - 6100	Shale, light grey, as above, trace finely disseminated pyrite.
6100 - 6110	Shale, light grey, soft, fissile to splintery, in part, slightly calcareous, slightly pyritic.
6110 - 6120	Shale, light grey, soft, as above.
6120 - 6130	Shale, light grey, soft, as above.
6130 - 6140	Shale, light grey, soft, as above, trace crinoids.
6140 - 6150	Shale, light grey, soft, as above, splintery to fissile.
6150 - 6160	Shale, light grey, as above.
6160 - 6170	Shale, light grey, in part, calcareous, splintery to fissile, as above.
6170 - 6180	Shale, light grey, as above, trace finely disseminated pyrite crystals.
6180 - 6190	Shale, light grey, as above, soft, trace pyrite.
6190 - 6200	Shale, light grey, soft, trace pyrite, splintery to fissile.
6200 - 6210	Shale, light grey, soft, trace pyrite, as above.
6210 - 6220	Shale, light grey, soft, as above.
6220 - 6230	Shale, light grey, soft, as above.
6230 - 6240	Shale, light grey, soft, as above.
6240 - 6250	Shale, light grey, soft, as above.
6250 - 6260	Shale, light grey, soft, pyritic, splintery to fissile, in part calcareous.
6260 - 6270	Shale, light grey, soft, pyritic, splintery to fissile, as above.
6270 - 6280	Shale, light grey, as above.
6280 - 6290	Shale, light grey, as above.
6290 - 6300	Shale, light grey, soft, as above.
6300 - 6310	Shale, light grey, soft, as above.
6310 - 6320	Shale, light grey, soft, as above.
6320 - 6330	Shale, light grey, soft, as above.

6330 - 6340	Shale, light grey, soft, as above.
6340 - 6430	Shale, light grey, soft, as above.
6430 - 6440	Shale, light grey soft, pyritic, as above.
6440 - 6360	Shale, as above, pyritic.
6360 - 6370	Shale, light grey, in part calcareous, soft, blocky blocky to splintery.
6370 - 6500	Shale, light grey, as above.
6500 - 6510	Shale, light grey, as above, trace floating quartz (sand) grain.
6510 - 6520	Shale, light grey, as above, with trace limestone, light brown, sublithographic, dense, fractured.
6520 - 6530	Shale, light grey, as above.
6530 - 6540	Shale, light grey, with trace few crinoids.
6540 - 6550	Shale, light grey, as above, trace few crinoids.
6550 - 6560	Shale, light grey, as above.
6560 - 6650	Shale, light grey, as above.
6650 - 6660	Shale, light grey, as above, with few medium grey streaks.
6660 - 6680	Shale, light grey, with few medium grey streaks, in part calcareous, generally soft, blocky to splintery.
6680 - 6690	Shale, light grey, as above.
6690 - 6700	Shale, light grey, with few medium grey streaks, blocky to splintery, in part calcareous.
6700 - 6720	Shale, light grey with medium grey streaks more common, pyritic generally, non-calcareous, blocky to splintery.
6720 - 6740	Shale, as above.
6740 - 6770	Shale, medium grey, with slightly darker streaks, in part very slightly calcareous, waxy appearance, slightly pyritic, blocky to splintery.
6770 - 6780	Shale, medium grey, as above.
6780 - 6850	Shale, as above.
6850 - 6870	Shale, medium grey with trace of dark grey, pyritic, splintery to blocky.
6870 - 6900	Shale, as above.

- 6900 - 6920 Shale, dark grey to black, pyritic, non-calcareous, splintery to lumpy, bituminous in part.
- TOP BLACK SHALE 6900
- 6920 - 6930 Shale, dark grey, to black, blocky, abundant caving, shale, grey, blocky, in part calcareous.
- 6930 - 6940 Shale, dark grey to black, blocky, trace pyrite.
- 6940 - 6950 No sample.
- 6950 - 6970 Shale, dark grey to black, blocky, trace pyrite.
- 6970 - 7010 Shale, black, blocky, bituminous, trace pyrite.
- 7010 - 7020 Shale, dark grey to black, blocky, calcareous, trace pyrite, shale, as above.
- 7020 - 7040 Shale, as above, in part limy.
- 7040 - 7056 Limestone, dark greyish brown, crypto to microcrystalline, extremely argillaceous, interbedded with shale, dark grey to black, calcareous, trace pyrite.
- 7056 - 7106 Core #1 (see detailed core description)
- 7107 - 7121 Core #2 (see detailed core description)
- 7121 - 7130 Shale, black to dark grey, calcareous, blocky, interbedded with limestone, dark grey to brown to light brown, crypto to microcrystalline, slightly to very argillaceous, fractured with calcite infill, trace coral, slightly silicified.
- TOP SLAVE POINT 7138
- 7130 - 7140 Shale and limestone, as above.
- 7140 - 7150 Limestone, white to medium greyish brown, fine grained, chalky, to very fine crystalline matrix, slightly dolomitic and argillaceous, fractured with seedy dolomite and quartz infill, trace brachiopods.
- 7150 - 7160 Limestone, as above.
- 7160 - 7170 Limestone, as above, trace amphipora.
- 7170 - 7190 Limestone, as above.
- 7190 - 7200 Limestone, as above, trace amphipora and stroms.
- 7200 - 7210 Limestone, light to dark brown, fine to medium grained, in chalky to very fine crystalline matrix, calcite infill, fracture, slightly dolomite and argil in part.

TOP HATT MOUNTAIN 7220

- 7210 - 7220 Limestone, as above.
- 7220 - 7230 Limestone, medium grey to brown, micro to cryptocrystalline, slightly argillaceous, limestone, as above.
- 7230 - 7240 Limestone, medium to dark brown, micro to fine granular, slightly argillaceous and dolomitic in part, trace calcite and amphipora.
- 7240 - 7250 Limestone, as above.
- 7250 - 7260 Limestone, medium to dark brown, micro to fine grained, slightly argillaceous and dolomitic in part, trace stylolites, calcite and amphipora.
- 7260 - 7320 Limestone, as above.

TOP ELK POINT 7275

- 7320 - 7330 Limestone, as above, trace stroms.
- 7330 - 7340 Limestone, medium to dark brown, fine to medium grained, slightly dolomitic, slightly to very argillaceous, trace stylolites.
- 7340 - 7350 Limestone, as above, trace amphipora.
- 7350 - 7360 Limestone, as above, trace amphipora and stroms.
- 7360 - 7370 Limestone, as above.
- 7370 - 7380 Limestone, as above, abundant amphipora and stroms.
- 7380 - 7400 Limestone, as above.
- 7400 - 7410 Limestone, as above, trace amphipora.
- 7410 - 7420 Limestone, dark brown, crypto to microcrystalline, very argillaceous, trace dolomite, amphipora and stroms, and limestone as above.
- 7420 - 7430 Limestone, as above.
- 7430 - 7440 Shale, dark greyish brown to black, calcareous, bituminous, trace stroms, limestone, as above.
- 7440 - 7450 Limestone, medium to dark brown, fine grained, slightly dolomitic, and slightly fine to very argillaceous, trace amphipora, shale, as above.
- 7450 - 7460 Shale, dark greyish brown to black, blocky, calcareous, bituminous, trace amphipora, stroms, corals and brachiopods interbedded with limestone, as above, slightly silicified.

- 7460 - 7470 Shale, and limestone, as above, and trace sandstone, light grey, very fine grained, calcite, well sorted.
- 7470 - 7480 Shale, and limestone, as above, trace chert.
- 7480 - 7490 Shale, and limestone, and trace amphipora and stroms.
- 7490 - 7500 Shale, and limestone, and as above, trace amphipora and stroms.
- 7500 - 7510 Shale, black, blocky, calcareous, bituminous, trace limestone, crypto to microcrystalline, very argillaceous, trace amphipora, stroms and crinoids.
- 7510 - 7520 Shale, and limestone, as above.
- 7520 - 7530 Shale, medium grey, splintery to blocky in part, slightly calcareous, interbedded with shale, black, blocky, calcareous, bituminous, and limestone, dark grey, brown crypto to microcrystalline in part, fine grained, very argillaceous.
- 7530 - 7540 Shale, and limestone, as above.
- 7540 - 7550 Shale, and limestone, as above, trace brachiopods and amphipora.
- 7550 - 7580 Shale, and limestone, as above.
- 7580 - 7590 Shale, and limestone, as above, trace chert.
- 7590 - 7600 Shale, and limestone, as above.
- 7600 - 7610 Shale, and limestone, as above, trace amphipora.
- 7610 - 7620 Shale, and limestone, as above, trace brachiopods.
- 7620 - 7630 Shale, black, blocky, calcareous, bituminous, minor limestone, and shale, medium grey, as above.
- 7630 - 7650 Shale, and limestone, as above.
- 7650 - 7680 Shale, black, blocky, calcareous, bituminous, interbedded with limestone, dark grey, brown, micro to cryptocrystalline, very argillaceous in part, light brown, fine grained.
- 7660 - 7680 Limestone, medium grey, brown, very fine to fine grained and chalky, slightly argillaceous and limestone fair to dark brown, microcrystalline, argillaceous, in part dolomitic, trace dolomitic quartz, chert and brachiopods, shale as above.
- 7680 - 7690 Limestone, as above, trace vugs lined with calcite crystals, chert and brachiopods.

- 7690 - 7700 Limestone, as above, trace vugs, chert and brachiopods.
- 7700 - 7720 Limestone, as above, trace chert.
- TOP LLE POINT DOLOMITE 7726
- 7720 - 7730 Dolomite, light greyish brown, fine crystalline, trace bitumin, limestone, as above.
- 7730 - 7790 Dolomite, dark greyish brown, very fine crystalline, slightly argillaceous, dolomite greyish brown and white, fine to medium crystalline, trace bitumin.
- 7790 - 7810 Dolomite, brown, microcrystalline to very fine crystalline, slightly argillaceous, trace dolomite, light grey to white, fine to medium crystalline, fracture infill.
- 7810 - 7830 Dolomite, dark brown to brown, micro to very fine crystalline, in part very argillaceous, dolomite as above.
- 7830 - 7840 Dolomite, light brown to brown, crypto to microcrystalline, slightly argillaceous, trace anhydrite, white, dolomite, as above.
- 7840 - 7860 Dolomite, as above, with increase in anhydrite.
- TOP PRE MIDDLE DEVONIAN 7862
- 7860 - 7870 Shale, grey to greyish green, blocky, siltstone, greyish green, slightly calcareous, anhydrite and dolomite, as above.
- 7870 - 7900 Shale, siltstone, anhydrite and dolomite as above.
- 7900 - 7910 Shale, as above, dolomite, medium greyish brown, cryptocrystalline, trace anhydrite, as above.
- 7910 - 7920 Sandstone, white quartz, fine grained, subrounded, fair sorting, siliceous cement, Shale, dolomite and anhydrite, as above.
- 7920 - 7940 Sandstone, shale, dolomite and anhydrite, as above.
- 7940 - 7950 Dolomite, grey and greyish brown, cryptocrystalline, arenaceous and anhydritic, sandstone and shale, as above.
- 7950 - 7960 Dolomite, brown, grey and greyish brown, cryptocrystalline, arenaceous, anhydritic, in part very argillaceous, shale, as above, cavings.
- 7960 - 7970 Dolomite, as above, very anhydritic, in part anhydrite, white and grey.
- 7970 - 7990 Dolomite, as above, anhydrite, slightly argillaceous, very anhydritic and anhydrite, as above.
- 7990 - 8000 Dolomite, grey to greyish brown, cryptocrystalline, very arenaceous and anhydritic, and anhydrite, white and brown.

8000 - 8010	Dolomite, and anhydrite, as above, shale, black, blocky, calcareous, and dolomite, brown, microcrystalline, argillaceous.
8010 - 8020	Anhydrite, grey, white, dolomitic, shale and dolomite, as above.
8020 - 8030	Anhydrite, pink, grey, white, dolomitic, arenaceous, dolomite, brown cryptocrystalline, anhydritic.
8030 - 8040	Anhydrite, and dolomite, as above.
8040 - 8050	Shale, red, blocky, anhydritic, sandstone, light grey, grey, quartzose, very fine to fine grained, subrounded, poor sorting, siliceous, anhydritic.
8050 - 8060	Shale, anhydrite, and sandstone, as above.
8060 - 8070	Shale, red, blocky, anhydritic, dolomitic, sandstone, light grey, quartzose, very fine to fine grained, siliceous, dolomitic, anhydrite, as above.
8070 - 8080	Shale, sandstone, and anhydrite, as above.
8080 - 8090	Shale, red, blocky, arenaceous, dolomitic, anhydritic, minor sandstone and anhydrite, as above.
8090 - 8100	Shale, and anhydrite, as above, & increase sandstone.
8100 - 8110	Shale, as above, minor sandstone and anhydrite, as above.
8110 - 8120	Dolomite, greyish brown, micro to very fine crystalline, argillaceous, shale, and anhydrite, as above.
8120 - 8130	Dolomite, as above, shale, and anhydrite, as above.
8130 - 8140	Sandstone, green, pink, fine grained, dolomitic, felds'c anhydrite, pink, grey and white, shale and dolomite, as above, granite, pink, coarse crystalline, orthoclase, quartz, and biotite.
	TOP PRE CAMBRIAN 8135
8140 - 8150	Granite, pink, very coarse crystalline, orthoclase, quartz and biotite intergrowth.
8150	TOTAL DEPTH.

SECTION III - Engineering Summary(a) Report of Drillstem Tests

#1 - 7685 - 7930 - VG 2-1/4 hrs. SI 30-60 mins. Good initial blow, fairly strong air blow dead in 2 hrs. Gas to surface in 1 hr. for 5 mins. too weak to measure. Rec. 135' mud; 149' gassy mud; 380' black sulphurous water cut mud; 5595' gassy sulphurous salt water. (104,600 ppm cl) HP 4082-3948; PP 863-2928; SIP 2922-2928.

(b) Casing Record

Surface casing: 13 - 3/8" at 1283' with 1150 sax cement plus 2% CaCl₂
Intermediate Casing: 9-5/8" at 4146.29 with 450 sax cement.

(c) Bit Record

<u>No.</u>	<u>Size</u>	<u>Type</u>	<u>Depth Out</u>	<u>Feet</u>	<u>Hours</u>
1A	12-1/4	OSC-3	712	712	21-1/2
2A	12-1/4	OSC-3	1274	562	11-3/4
3A	17-1/2	Pilot Reamer	879	879	14
4A	17-1/2	Pilot Reamer	1285	606	18-3/4
1	12-1/4	S-3	2025	740	20
2	12-1/4	S-8	2300	275	14-1/4
3	12-1/4	S-2	2484	164	11
4	12-1/4	YT-1	2859	395	17
5	12-1/4	OSC-3	3390	531	17-1/4
6	12-1/4	OSC*3	3731	341	15-1/4
7	12-1/4	OSC-3	4013	282	17-1/2
8	12-1/4	OSC-3	4123	110	17-1/4
9	12-1/4	S-8	4309	186	22-1/2
10	12-1/4	S-4	4489	180	20-1/4
11	12-1/4	OSCIG	4620	131	34-3/4
12	12-1/4	S-4	4793	173	27
13	12-1/4	YT-3	5050	257	25-1/2
14	12-1/4	DT	5350	300	25-1/4
15	12-1/4	OID	5506	156	20-1/2
16	12-1/4	OSCIG	5681	175	26
17	12-1/4	SSID	5790	109	16-3/4
18	12-1/4	DT	5889	99	15-1/4
19	12-1/4	S4	5889	0	0
20	12-1/4	YT1A	6072	183	17
21	12-1/4	OSCIG	6266	184	18-3/4
22	12-1/4	DT26	6450	184	18
23	12-1/4	OSCIG	6695	245	24
24	12-1/4	DT-2G	6695		
25	12-1/4	OSCIG	6695		
26	12-1/4	OSCIG	6850	130	-
27	12-1/4	YT-1	6925	75	11
28	12-1/4	OSCIG			
29	12-1/4	H-7			

Cleaning to top of fish

<u>No.</u>	<u>Size</u>	<u>Type</u>	<u>Depth Out</u>	<u>Feet</u>	<u>Hours</u>
30	12-1/4	OSC	6925	Reaming milling	on iron
31	12-1/4	OSC	7056	131	24-3/4
32	12-1/4	OSV	7107	Ream 50 Drl 1	7-1/2 & 11
33	8-3/4	EMIV	7205	98	16
34	8-3/4	EMIV	7326	121	17-1/2
35	8-3/4	YSI	7449	123	18-1/4
36	8-3/4	YSI	7529	80	8-1/2
37	8-3/4	OSV	7604	75	11-1/4
38	8-3/4	OWG	7715	111	14-3/4
39	8-3/4	T-2	7818	103	14
40	8-3/4	H-7	7840	62	12-1/4
41	8-3/4	W -7	7930	50	15-1/4
42	8-3/4	WTR-2	7978	48	15
43	8-3/4	YM	8060	82	14
44	8-3/4	M4L	8150	90	15-1/2
45	8-3/4	OWG	8150	0	

(d) Mud Report

<u>Type</u>	<u>Amount</u>
Gel	130,400 lbs.
Driscose	7,775 lbs.
O-Broxin	750 lbs.
Caustic	2,550 lbs.
Quebracho	9,575 lbs.
Barium Carbonate	8,500 lbs.
Bicarbonate of Soda	200 lbs.
Lime	75 lbs.

(e) Deviation Record

<u>Depth</u>	<u>Deviation (°)</u>
60	1/4
90	1/4
120	1/8
270	0
430	0
528	1/4
622	3/4
1212	1/4
1682	1/4
2083	0
2464	1/2
2859	1/4

<u>Depth</u>	<u>Deviation (°)</u>
3390	1/2
3731	1
4013	1-1/2
4128	3/4
4216	1/2
4316	1/2
4489	1/8
4615	1/2
4793	1
5050	1/2
5345	1
5445	1
5506	1
5675	0
5875	1/8
5790	3/4
6070	1-1/4
6400	1-3/8
6400	1-1/2
6695	2-1/8
6850	1-3/4
7050	2
7200	3-1/4
7420	2
7575	1-3/4
7700	2
7810	7/8
7950	7/8
8150	1/2

(f) Abandonment Plugs

Plug #1 - 8150 - 8096 with 50 sax with 2/10 of 1% of HR-12 - no feel

Plug #2 - 7880 - 7670 with 100 sax plus 2/10 of 1% GR-12
Felt at 7632' after 8 hrs.

Plug #3 - 7150 - 7070 with 60 sax
Felt at 7032' after 8 hrs.

Plug #4 - 4370 - 4050 with 250 sax
Felt after 8 hrs at 3948'

(g) Lost Circulation Zones

None.

(b) Report of Blowouts

None.

SECTION IV - Logs

<u>Type Log</u>	<u>Run No.</u>	<u>Interval</u>	<u>Date</u>
Dipmeter (Computed)	1	8140-1283	2-25-62
Continuous Dipmeter	1	8140-1283	2-25-62
Induction Electric Log	1	8140-1283	2-25-62
Sonic with Gamma Ray & Caliper	1	8142-1283	2-26-62

SECTION V - Analysis(a) Core Analysis

None.

(b) Water Analysis

DST #1 - 7685 - 7930

(c) Gas Analysis

None.

(d) Oil Analysis

None.

SECTION VI - Completion Summary

(a) Tubing Record

None.

(b) Perforation Record

None.

(c) Cementation Record

None.

(d) Acidization and Fracturing Record

None.

(e) Back Pressure and Production Tests

None.

SUBMITTED BY

L. Matwe
L. Matwe

APPROVED BY

H.A. Baker
H.A. Baker, P.Eng. Geol.

Edmonton, Alberta
May, 1962

Field

N.M.T.

Pan Am A-1 Island River #1

Operator Pan American Petroleum Corporation

Date Sampled April 6, 1962

Formation Elk Point

7685' - 7930'

Other pertinent data Loc. Unit 0, sec 29, grid 60°10'N 121°00'W. K.S. 2215, Grd. 2197.2.

Open hole test. P.S.T. #1. Recovered 135 feet drilling fluid, 140 feet gassy drilling fluid, 360 feet black sulfurous salt water cut mud, 5595 feet salt water. V.O. 134 mins. I.S.I. 30. F.S.I. 60. I.S.I. bottom hole 2922, F.S.I. 2928, I.F.P. 1037, F.F.P. 2928, I.H.P. 4062, F.H.P. 3946. Cwd blow decreasing to dead in 125 mins.. April 12, 1962 Lab. No. E19310-3

Sample #3. Bottom sample.

Na + K	Ca	Mg	CO ₂	HCO ₃	OH	MS
46.041	14.405	2.035	92	102.078	500	

2002.79	710.81	167.11	1.91	2078.60	8.20	
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34.67	12.44	2.89	0.03	49.83	0.14	
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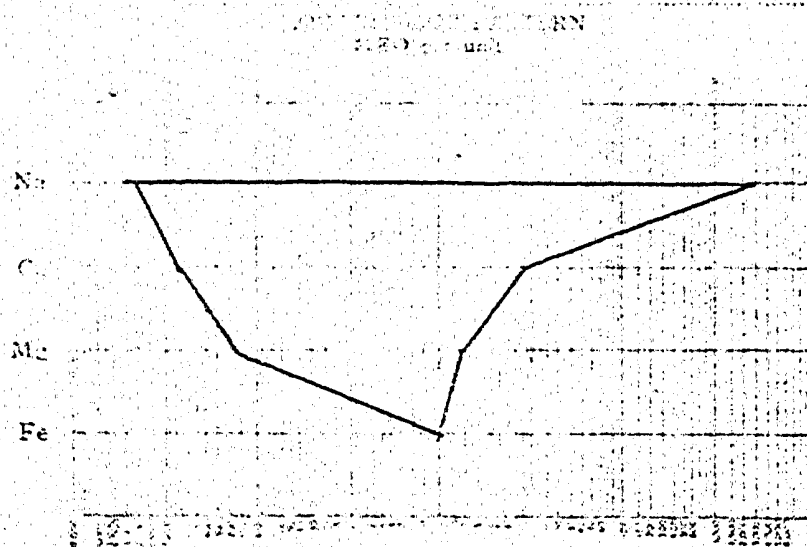
Total Solids in Parts per Million

By evaporation	168,200
After ignition	161,950
Calculated	164,895
Specific Gravity	1.117
Observed pH	7.7
Resistivity	0.061

Properties of Reaction in Percent

Primary salinity	69.56
Secondary salinity	30.36
Primary alkalinity	—
Secondary alkalinity	0.28
Primary sulfate	99.94
Primary sulfate	0.06

Remarks and conclusions: This sample has the general characteristics of a formation water, but we cannot say if it is a good representation of Elk Point formation waters from this area.



CHEMICAL & GEOLOGICAL LABORATORIES LTD.

Operator **Pan American Petroleum Corporation** N.W.T. Date **April 12, 1962**
 Well No. **Pan Am A-1 Island River #1** Location **Unit d, Sec. 29, Grid 60°10' N 121°00' W**
 Formation **Elk Point** Depth **7685' - 7920'** Lab. No. **E19310**

Other Information: Open Hole Test. N.S.T. #1. Recovered 135 feet drilling fluid, 140 feet gassy drilling fluid, 380 feet black sulfurous salt water cut mud, 5595 feet salt water. V.O. 134 mins., I.S.I. 30, F.S.I. 60, J.S.I. bottom hole 2922, F.S.I. 2920, I.F.P. 1037, F.F.P. 2920, I.H.P. 4002, F.H.P. 3946, Good blow decreasing to dead in 125 mins., Elevation: 2215 K.B., 2197.2 Grd..

Lab. Number	* Chloride Content (Parts Per Million)	
E19310-1 Sample #1 Top.	70.670	51.702
E19310-2 Sample #2 Middle.	90.696	90.311
E19310-3 Sample #3 Bottom	97.243	See complete analysis.

- * There were two samples from each sample point. The chloride concentrations were determined on each.

• 2007

Long Process

Part Number	Part Name	Material	Finish	Notes
1000	Open Hole, Bottom Hole	Aluminum	Anodized	
1001	Close Cut, Type	Aluminum	Anodized	

2	30	TOOL SEQUENCE
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1152	1830	Sub.	90
------	------	------	----

Sub. 50

6.40

Good blow, decreasing. Dead in 25 minutes. Jar 4.60

20 & Phr. 6.30

ETS BLOW MEASUREMENTS	Total	35.92
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Type of Instrument	Pert.	11.60
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Time	Size, Choke	Reading, Inches	Cable Foot, Days	Recorder	5.55
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D.P. 217.41

3 E 2.70

1. The first step in the process of identifying a problem is to define the problem. This involves identifying the symptoms of the problem and determining the scope of the problem. Once the problem has been defined, the next step is to identify the causes of the problem. This involves identifying the factors that are contributing to the problem and determining the underlying causes. Once the causes have been identified, the next step is to develop a plan to address the problem. This involves identifying the actions that need to be taken to address the problem and determining the resources that will be needed to implement the plan. Finally, the last step in the process is to implement the plan and monitor the results. This involves putting the plan into action and tracking the progress of the plan to ensure that the problem is being addressed effectively.

1. The first part of the document is a header section containing the following information:

- Page Number: 1
- Date: 10/10/2019
- Page Title: 10/10/2019

2. The second part of the document is a table with the following columns:

Item	Description	Quantity	Unit Price	Total Price
1	10/10/2019	1	10/10/2019	10/10/2019
2	10/10/2019	1	10/10/2019	10/10/2019
3	10/10/2019	1	10/10/2019	10/10/2019
4	10/10/2019	1	10/10/2019	10/10/2019
5	10/10/2019	1	10/10/2019	10/10/2019
6	10/10/2019	1	10/10/2019	10/10/2019
7	10/10/2019	1	10/10/2019	10/10/2019
8	10/10/2019	1	10/10/2019	10/10/2019
9	10/10/2019	1	10/10/2019	10/10/2019
10	10/10/2019	1	10/10/2019	10/10/2019
11	10/10/2019	1	10/10/2019	10/10/2019
12	10/10/2019	1	10/10/2019	10/10/2019
13	10/10/2019	1	10/10/2019	10/10/2019
14	10/10/2019	1	10/10/2019	10/10/2019
15	10/10/2019	1	10/10/2019	10/10/2019
16	10/10/2019	1	10/10/2019	10/10/2019
17	10/10/2019	1	10/10/2019	10/10/2019
18	10/10/2019	1	10/10/2019	10/10/2019
19	10/10/2019	1	10/10/2019	10/10/2019
20	10/10/2019	1	10/10/2019	10/10/2019
21	10/10/2019	1	10/10/2019	10/10/2019
22	10/10/2019	1	10/10/2019	10/10/2019
23	10/10/2019	1	10/10/2019	10/10/2019
24	10/10/2019	1	10/10/2019	10/10/2019
25	10/10/2019	1	10/10/2019	10/10/2019
26	10/10/2019	1	10/10/2019	10/10/2019
27	10/10/2019	1	10/10/2019	10/10/2019
28	10/10/2019	1	10/10/2019	10/10/2019
29	10/10/2019	1	10/10/2019	10/10/2019
30	10/10/2019	1	10/10/2019	10/10/2019
31	10/10/2019	1	10/10/2019	10/10/2019
32	10/10/2019	1	10/10/2019	10/10/2019
33	10/10/2019	1	10/10/2019	10/10/2019
34	10/10/2019	1	10/10/2019	10/10/2019
35	10/10/2019	1	10/10/2019	10/10/2019
36	10/10/2019	1	10/10/2019	10/10/2019
37	10/10/2019	1	10/10/2019	10/10/2019
38	10/10/2019	1	10/10/2019	10/10/2019
39	10/10/2019	1	10/10/2019	10/10/2019
40	10/10/2019	1	10/10/2019	10/10/2019
41	10/10/2019	1	10/10/2019	10/10/2019
42	10/10/2019	1	10/10/2019	10/10/2019
43	10/10/2019	1	10/10/2019	10/10/2019
44	10/10/2019	1	10/10/2019	10/10/2019
45	10/10/2019	1	10/10/2019	10/10/2019
46	10/10/2019	1	10/10/2019	10/10/2019
47	10/10/2019	1	10/10/2019	10/10/2019
48	10/10/2019	1	10/10/2019	10/10/2019
49	10/10/2019	1	10/10/2019	10/10/2019
50	10/10/2019	1	10/10/2019	10/10/2019
51	10/10/2019	1	10/10/2019	10/10/2019
52	10/10/2019	1	10/10/2019	10/10/2019
53	10/10/2019	1	10/10/2019	10/10/2019
54	10/10/2019	1	10/10/2019	10/10/2019
55	10/10/2019	1	10/10/2019	10/10/2019
56	10/10/2019	1	10/10/2019	10/10/2019
57	10/10/2019	1	10/10/2019	10/10/2019
58	10/10/2019	1	10/10/2019	10/10/2019
59	10/10/2019	1	10/10/2019	10/10/2019
60	10/10/2019	1	10/10/2019	10/10/2019
61	10/10/2019	1	10/10/2019	10/10/2019
62	10/10/2019	1	10/10/2019	10/10/2019
63	10/10/2019	1	10/10/2019	10/10/2019
64	10/10/2019	1	10/10/2019	10/10/2019

100-443888-1000

[illegible]

Was Test Review Calculated Yes ☐ No ☒

Description of Fluid Recovered	135' of drilling fluid	MUD AND HOLE DATA
--------------------------------	------------------------	-------------------

380' of black sulphurous	High Coke	2/32	V	160	10.2
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salinity 104,000 PPM	Contractor	Brinkerhoff Drilling
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Drill Pipe Size 4 1/2 FH

Main Hole Size: 12 1/4

1000	K. Burns
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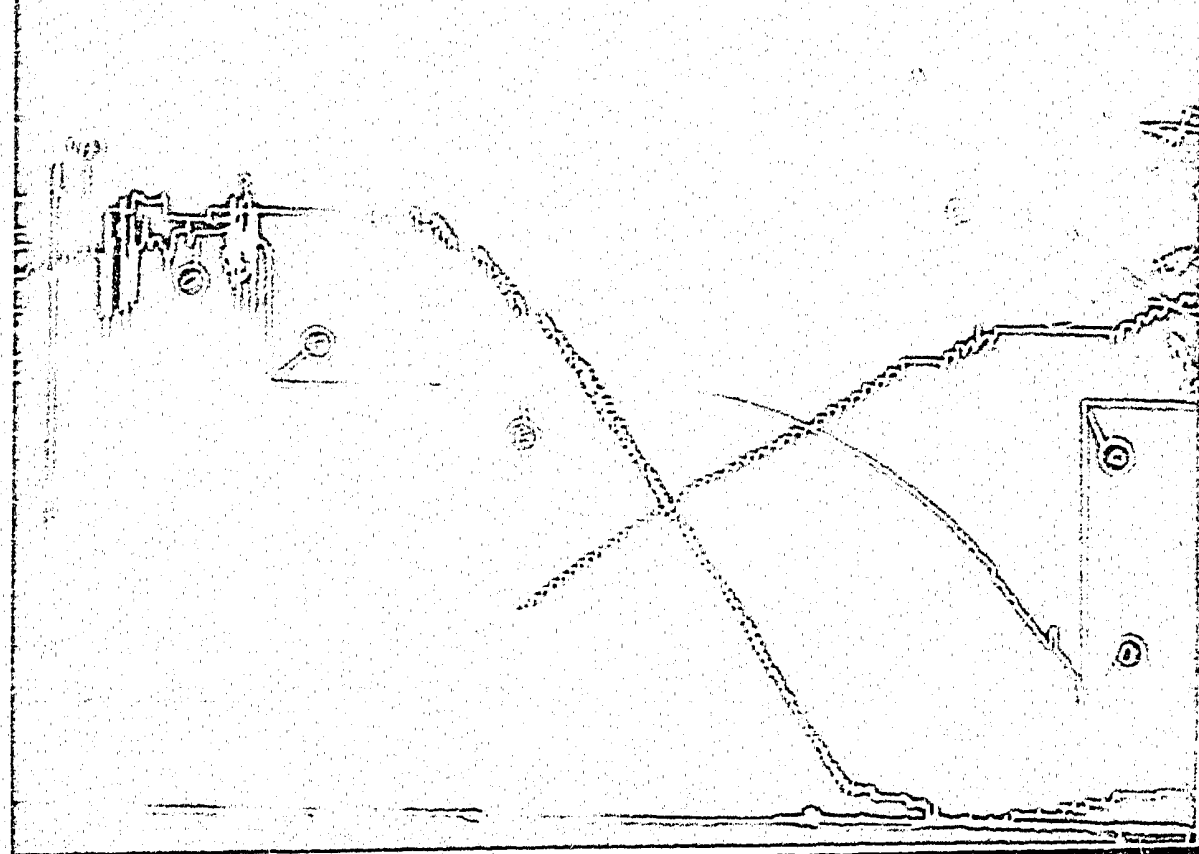
Company Pan American Petroleum Corp Address 10180-102 Street, Edmonton, Alberta

Number	#60°-10'E-121°-0'W	Field	Wildcat.	Province	NWT
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and Interval



THE NEW "BOSCH" ROAD



THE NEW "BOSCH" ROAD

Pressure Breakdown Data

Taxi Ticket No. 35479

Recorder Dept. _____ 1163

Wet Temperature 240

REMARKS

Total Shot-In

Final Shut-1a

Breakdown: _____ increments
of _____ mins and a final
increment of _____ mins.

[illegible]

JOHNSTON TESTERS

Pressure Data

Test Ticket No. 55479

Recorder No.	T-197	T-13		
Pressure, PSI	7000	7000		
Recorder Serial	7763	7769		
Pressure Gradient, PSI Ft				
Well Temperature, F.	240°	240°		
A. Initial Hydrostatic	40823	40883		
B. First Initial Flow	10373	11433		
C. Initial Shut-in Pres	29223	29243		
D. Flowing Pres	8623	8983		
E. First Flow	29283	29323		
F. Final Shut-in	29283	29333		
G. Final Hydrostatic	39463	39633		

Remarks:

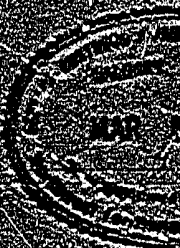
T-197 - Inside Recorder

T-13 - Outside Recorder

TECHNICAL REPORT

Island River

an American Petroleum Corp
an Am Island River A-1
60°-10'N-121°-0'W
-7685-7930



JOHNSTON TESTERS

TEST DATA

Zone Thickness		7685		7930		7930	
Type of Test		Open Hole, Bottom Hole					
By Started in hole		0400		Hrs		0806	
2		30		TOOL SEQUENCE			
134		60		Sub.		.90	
1152		1830		PO Sub.		.85	
31.000		92.000		Sub.		.90	
Tool was chased 12 feet during test period.				DP Sub.		.54	
Good blow, decreasing. Dead in 25 minutes.				SIT		6.40	
				Hrd. Tool		8.40	
				Jars		4.60	
				Safety Jt.		1.75	
				TC & Pkr.		6.30	
				TC & Pkr.		5.26	
				Total		35.92	
				Sub.		1.15	
				Perf.		11.80	
				Recorder		5.55	
				Recorder		5.55	
				Sub.		.85	
				D.P.		217.41	
				Sub.		.85	
				B.M.		1.70	
				Total Intv.		244.86	
GAS BLOW MEASUREMENTS							
Description of Blow During Test							
Good blow, decreasing. Dead in 25 minutes.							
FLUID RECOVERY							
Was Test Reverse Circulated Yes ☐ No ☐							
Fluid Recovered Total		6250		Total Length		280.78	
Description of Fluid Recovered		135' of drilling fluid		MUD AND HOLE DATA			
		140' of gray drilling fluid		Mud Type		Gel WL 6.8	
		380' of black sulphurous		Filter Cake		2/32 V 160 WL 10.2	
salt water cut mud.		5595' of salt water		Time Taken		Feb. 19/62 @ 1930 hrs.	
salinity 104,000 PPM				Contractor		Brinkerhoff Drilling	
Remarks Test Satisfactory				Drill Pipe Size		4 1/2 FH	
				Drill Collar Size		2 7/8 ID length	
				Main Hole Size		12 1/4	
				Rat Hole Size		8 3/4	
Co. Rep. E. Watson		Ticket No. B5479		Date		Feb. 20.62	
Tester K. Burns		Address 10180-102 Street, Edmonton, Alberta		Test No.		1	
District Peace River		Field Wildcat		Province		NWT	
Company Pan American Petroleum Corp		Consultant					
Well Name Pan Am Island River A-1							
Number #60°-10'N-121°-0'W							
Formation -7685-7930							
and Interval							
Distribution of Reports		5-Edmonton					

JOHNSTON TESTERS

Pressure Data

Test Ticket No. 85478

Recorder No.	T-197	T-13		
Capacity P.S.I.G.	7000	7000		
Recorder Depth	7763	7769		
Pressure Gradient P.S.I. Ft.				
Well Temperature °F	240°	240°		
A. Initial Hydrostatic	4082#	4088#		
B. First Initial Flow	1037#	1143#		
C. Initial Shut-In Pres.	2922#	2924#		
D. Flowing Pres.	862#	898#		
E. First Flow	2928#	2933#		
F. Final Shut-In	2928#	2933#		
G. Final Hydrostatic	3946#	3963#		

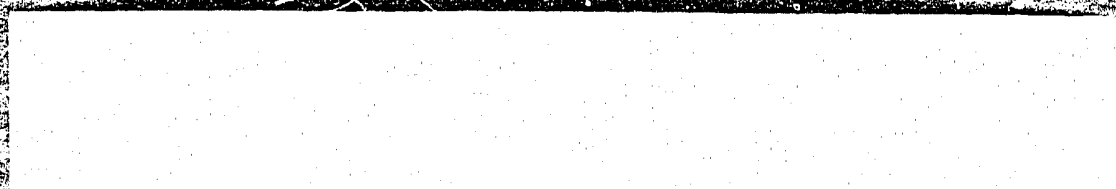
Remarks:

T-197 - Inside Recorder

T-13 - Outside Recorder



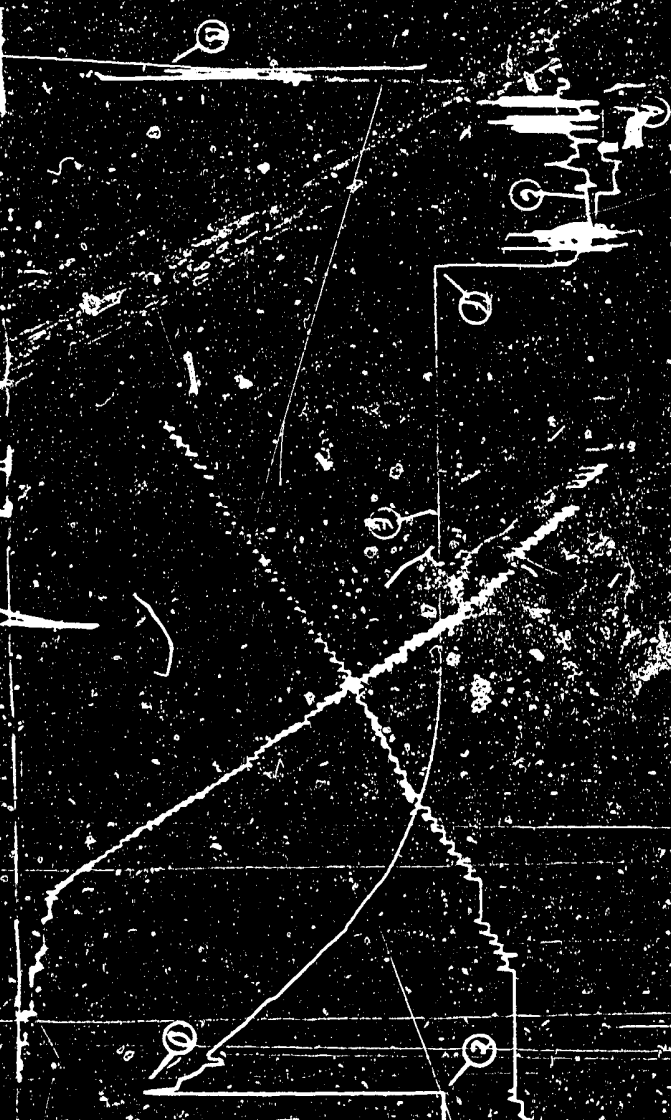
TICKET # B5479 REC # T-177



TICKET B5479 REC 1177



TICKET # BS479 REC # T-13



TICKET "B5479" REC. TEL 13

P

087 16

111 50 4

Doc. # 56 35479

Copied _____ 7000

Recorder Depth 7763

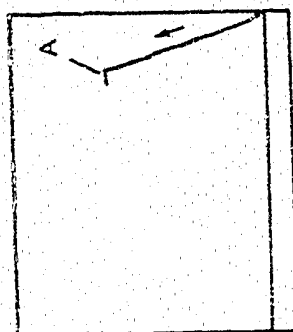
Case No. _____ Clock No. _____ Pieces per min. _____

Well Temperature 240 °F.

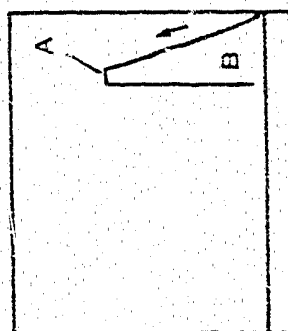
2. **Research:** The research is a qualitative study that aims to explore the experiences of young adults with mental health issues. The study is conducted through semi-structured interviews with 15 participants, who are recruited through snowball sampling. The interviews are conducted over a period of 12 weeks, with each interview lasting approximately 45 minutes. The data is analyzed using thematic analysis, which involves identifying themes that emerge from the data. The study is funded by a grant from the National Institute of Mental Health.

[illegible]

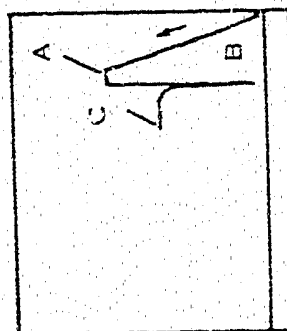
GUIDE TO INTERPRETATION AND IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



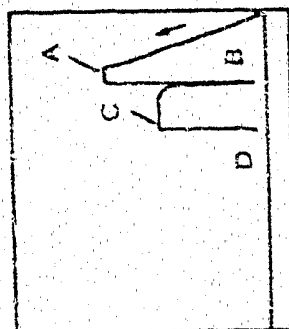
The pressure chart records the build-up in the test zone. When the test valve is opened, the pressure drop is indicated on the pressure chart. This pressure drop is caused by the removal of fluid from the formation to produce.



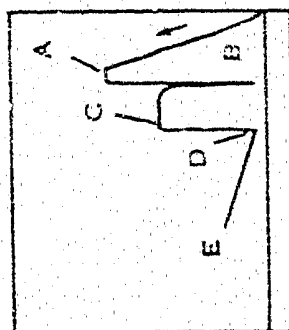
The pressure is expanded and set to isolate the test zone. When the test valve is opened, a pressure drop is indicated on the pressure chart. This pressure drop is caused by the removal of fluid from the formation to produce.



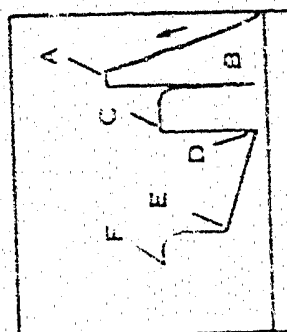
This chart shows the initial shut-in pressure. There is one mechanical method commonly used to obtain this pressure. A 4 stage shut-in tool that is run in the open position and, when closed, then the desired amount of initial flow time is obtained. This initial shut-in pressure is the best method yet devised for recording of a formation.



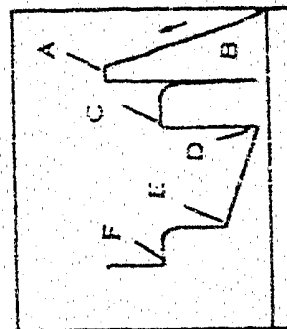
The chart indicates a pressure drop. The test tool has been opened to the surface by rotating the 4 stage shut-in tool into the open position. Permitting the open formation to produce.



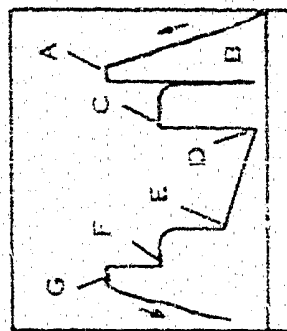
The pressure of fluid flowing from the formation into the well bore, through the perforated anchor, and into the drill pipe, is recorded on the chart.



The final shut-in pressure is taken by stopping the flow of formation fluid into the drill pipe. Note the characteristic build-up curve. The well bore pressure is approaching equilibrium with the static reservoir pressure. When the shut-in curve levels off the static reservoir pressure has been reached.



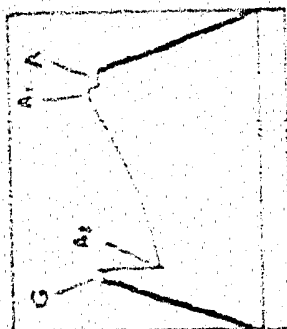
The chart shows the effect of the bypass valve. The test tool has been opened to the surface by rotating the 4 stage shut-in tool into the open position. Permitting the open formation to produce.



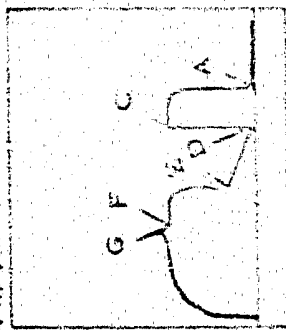
The pressure has been released. The test tool is being removed from the hole.

INDEX OF LABELED POINTS:

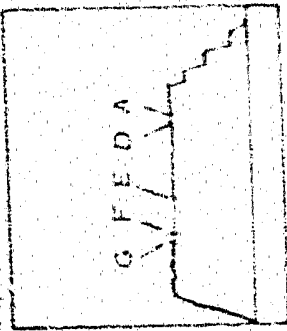
- A—Initial Hyd. Mud
 - B—First Initial Flow
 - C—Initial Shut-in
 - D—Initial Flow
 - E—Final Flow
 - F—Final Shut-in
 - G—Final Hyd. Mud
- The following points are either fluctuating pressures or points indicating other packer settings. (Testing different zones).
- A-1, A-2, A-3, etc. Initial Hyd. Pressures
 - B-1, B-2, B-3, etc. First Initial Flow
 - C-1, C-2, C-3, etc. The Initial Shut-in Pressures
 - D-1, D-2, D-3, etc. Flowing Pressures
 - E-1, E-2, E-3, etc. The Final Flow Pressures or Final Shut-in Pressures
 - F-1, F-2, F-3, etc. The Final Shut-in Pressures
 - G-1, G-2, G-3, etc. Final Hyd. Mud Pressures
- Z — Special pressure points such as pumping pressure recorded for formation breakdown



The above is a typical indication of a shut-in pressure. The test tool has been opened to the surface by rotating the 4 stage shut-in tool into the open position. Permitting the open formation to produce.



In the case of a pressure test, the test tool has been opened to the surface by rotating the 4 stage shut-in tool into the open position. Permitting the open formation to produce.



In the case of a pressure test, the test tool has been opened to the surface by rotating the 4 stage shut-in tool into the open position. Permitting the open formation to produce.

CHEMICAL ANALYSIS OF FORMATION WATERS

Field **N.W.T.** Pan Am A-1 Island River #1
 Operator **Pan American Petroleum Corporation**
 Formation **Elk Point** 7685' - 7930'

Other pertinent data Loc. Unit d, sec 29, grid 60°10'N 121°00'W. K.B. 2215, Grd. 2197.2.

Open hole test. P.S.T. #1. Recovered 135 feet drilling fluid. 140 feet gassy drilling fluid. 380 feet black sulfurous salt water cut mud. 5595 feet salt water. V.O. 134 mins. I.S.I. 30. F.S.I. 60. I.S.I. bottom hole 2922. F.S.I. 2926. I.F.P. 1037. F.F.P. 2926. I.H.P. 4002. F.Z.P. 3946. Good blow decreasing to dead in 125 mins. April 12, 1962 Lab. No. E19310-3

Sample #3. Bottom sample.

PARTS PER MILLION (MILLIGRAMS PER LITER)

Na+K	Ca	Mg	Fe	Al	CO ₂	HCO ₃	OH	H ₂ S
46,041	14,405	2,033		92	102,078	500		

MILLIGRAM EQUIVALENTS

2002.79	718.81	167.11		1.91	2878.60	8.20		
---------	--------	--------	--	------	---------	------	--	--

MILLIGRAM EQUIVALENTS IN PERCENT

34.67	12.44	2.89		0.03	49.83	0.14		
-------	-------	------	--	------	-------	------	--	--

Total Solids in Parts per Million

By evaporation	168,200
After ignition	161,900
Calculated	164,895
Specific Gravity	1.117
Observed pH	7.7
Resistivity	0.061 ohm centimeters @ 25°C

Properties of Reaction in Percent

Primary salinity	69.34
Secondary salinity	30.38
Primary alkalinity	---
Secondary alkalinity	0.28
Available salinity	99.94
Sulfate salinity	0.06

Remarks and conclusions: This sample has the general characteristics of a formation water, but we cannot say if it is a good representation of Elk Point formation waters from this area.



LIST:

Dept. of Northern Affairs (3)

E. H. Ethen
 L. E. Elkins
 S. B. Richards (2)
 H. A. Baker
 E. J. Burge
 File (2)

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

Operator **Pan American Petroleum Corporation** N.W.T. Date **April 12, 1962**
 Well No **Pan Am A-1 Island River #1** Location **Unit d, Sec. 29, Grid 60°10'N 121°00'W**
 Formation **Elk Point** Depth **7685' - 7930'** Lab. No. **E19310**

Other Information: Open Hole Test. D.S.T. #1. Recovered 135 feet drilling fluid, 140 feet gassy drilling fluid, 380 feet black sulfurous salt water cut mud, 5505 feet salt water. V.O. 134 mins., I.S.I. 30, F.S.I. 60, I.S.I. bottom hole 2922, F.S.I. 2928, I.F.P. 1037, F.F.P. 2928, I.H.P. 4002, F.H.P. 3946. Good blow decreasing to dead in 125 mins.. Elevation: 2215 K.B., 2197.2 Grd..

<u>Lab. Number</u>	<u>* Chloride Content (Parts Per Million)</u>	
E19310-1 Sample #1 Top.	70,670	51,702
E19310-2 Sample #2 Middle.	90,696	90,311
E19310-3 Sample #3 Bottom	97,243	See complete analysis.

- * There were two samples from each sample point. The chloride concentrations were determined on each.

PAN AMERICAN PETROLEUM CORP. DIVISION
DAILY DRILLING REPORT

RIG NUMBER _____ CONTRACTOR'S NAME _____ 24 HOUR PERIOD ENDING AT MIDNIGHT MAY 19 1968

LEASE NAME ISLAND RIVER WELL NO. A-1 FIELD N.W.T.

FIRST TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC
FROM	TO		FROM	TO	
					Wt. on Bit
					D. Press.
					C. P. P.
					Bit No.
					Liner.
					Bit In
					Bit Out.
					CONDITION: I B G

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY		MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
			DEVIATION INSTRUMENT		DEPTH		DEGREES OFF				
									DRILLER'S SIGNATURE		

SECOND TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
					Wt. on Bit
					R.P.M.
					D. P. Feet
					C.P.M.
					Ch. In. Liner
					Bit In. Bit Out.
					CONDITION: T B G

DAYWORK:	HOURS	RATE	HOURS	RATE	HOURS W/D PIPE

DAYWORK HOURS										
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF				
								DRILLER'S SIGNATURE		

THIRD TOUR FROM _____ M. TO _____ M.

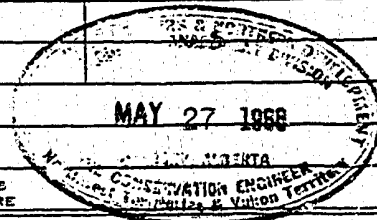
TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
					Wt. on Bit
					R. P. M.
					P. Press.
					S. P. M.
					Bit No. Liner.
					Bit In Bit Out.
					CONDITION: T B G

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

[illegible]

APPROVED [Signature]
PAN AMERICAN REPRESENTATIVE

APPROVED _____ CONTRACTOR'S REPRESENTATIVE



PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME Bunkerhill Corp 24 HOUR PERIOD 11 1977
LENDING AT MIDNIGHT
LEASE NAME Lincon Island River WELL NO. R-1 FIELD

FIRST TOUR FROM 12 00 A M. TO 8 00 A M.

[illegible]

DAYWORK: HOURS _____ RATE ~~_____~~ HOURS _____ RATE _____ HOURS W/D PIPE _____

[illegible]

SECOND TOUR FROM 9⁰⁰ A.M. TO 400 P.M.

[illegible]

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		BOILER W/ FIREMAN SIGN		
								BIRMINGHAM CREW		
								DRILLER'S SIGNATURE - Joe Chas. St.		

THIRD TOUR FROM 4⁰⁰ M. TO 12⁰⁰ M.

[illegible]

DAYWORK: HOURS _____ RATE _____ ~~HOURS~~ _____ RATE _____ HOURS W.D. PIPE _____

[illegible]

APPROVED

PAN AMERICAN REPRESENTATIVE

APPROVED

CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF DRILLING 24 HOUR PERIOD ENDING AT MIDNIGHT MA 20410 1962
 LEASE NAME PAN Am Island TOWER WELL NO. 42-1 FIELD MA 20410

FIRST TOUR FROM 1200 A.M. TO 500 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
<u>1200</u>	<u>500</u>		<u>4150</u>		<u>RIG ON STAND BY w/ CREWS</u> <u>TEAR OUT</u>

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND

DEVIATION INSTRUMENT _____ DEPTH _____ DEGREES OFF _____

DRILLER W/ FIRE MAN & WAS

3 MAN CREW T

DRILLER'S SIGNATURE [Signature]

SECOND TOUR FROM 500 A.M. TO 1200 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
<u>500</u>	<u>1200</u>				<u>Rig on Stand by w/ crews</u> <u>TEAR OUT</u>

Rig Island 1200 Noon

300-579

[Signature]

DAYWORK: HOURS 4 RATE _____ HOURS _____ RATE 4 A.O. HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND

DEVIATION INSTRUMENT _____ DEPTH _____ DEGREES OFF _____

Driller w/ Fireman & WAS

3 MAN CREW T

DRILLER'S SIGNATURE [Signature]

THIRD TOUR FROM 400 A.M. TO 1200 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
<u>400</u>	<u>1200</u>				<u>Rig on Stand By w/ Crews</u> <u>TEAR OUT</u>

Rig out.

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND

DEVIATION INSTRUMENT _____ DEPTH _____ DEGREES OFF _____

Driller w/ Fireman & WAS

3 Man Crew +

DRILLER'S SIGNATURE [Signature]

APPROVED _____

PAN AMERICAN REPRESENTATIVE

APPROVED _____

CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CON-FACTOR'S NAME BRIKTER HES 24 HOUR PERIOD ENDING AT MIDNIGHT March 5 1962
LEASE NAME ISLAND RIVER WELL NO. A-1 FIELD 450

FIRST TOUR FROM 600 M. TO 500 M.

[illegible]

DAYWORK: HOURS 6 RATE 6.25 HOURS 12 RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	RATE	HOURS W/D PIPE		
								BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		BULLER W/ FIREMAN SRS 312MAN CREW T DRILLER'S SIGNATURE		

SECOND TOUR FROM 8:00 A. M. TO 4:00 P. M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	4:00		4150		Log on Stand by w/crews. Tear Out
			5:00	5:50	

DAYWORK: HOURS 5 RATE 11.00 HOURS 1.00 RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	RATE	HOURS W/D PIPE		
								BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Bailer (2) / Fireman Shrs.		
								Bmen 6		
								DRILLER'S - D. E. T.		

THIRD TOUR FROM 400 P M. TO 1200 P M.

[illegible]

DAYWORK: HOURS 8 RATE 1.12 HOURS 1.12 RATE 1.12 HOURS W/D PIPE

[illegible]

APPROVED _____
PAN AMERICAN REPRESENTATIVE

APPROVED _____
CONTRACTOR'S REPRESENTATIVE

FIRST TOUR FROM 7:30 M. TO 1:30 M.

DAYWORK: HOURS 8 RATE 1.44 HOURS 1 RATE 1.44 HOURS W/D PIPE

SECOND TOUR FROM 8:00 A. M. TO 4:00 P. M.

DAYWORK: HOURS 9 RATE 16.14 HOURS 1 RATE _____ HOURS W/D PIPE _____

THIRD TOUR FROM 400 P M. TO 1200 P M.

DAYWORK: HOURS X RATE \$15.00 HOURS 1 RATE 15.00 HOURS W/D PIPE

APPROVED [Signature]
PAN AMERICAN REPRESENTATIVE

APPROVED _____
CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR NAME KAINTERHAFF 24 HOUR PERIOD ENDING AT MIDNIGHT MARCH 6 1952
LEASE NAME LSK AND RIVER WELL NO. A-1 FIELD W-C

FIRST TOUR FROM 1200 M. TO 500 M.

[illegible]

DAYWORK: HOURS 8 RATE \$14.00 HOURS 8 RATE _____ HOURS W/D PIPE _____

[illegible]

SECOND TOUR FROM 12.00 M. TO 1.00 M.

[illegible]

DAYWORK: HOURS 8 RATE \$1.15 per hr HOURS 1 RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Boiler w/ff man on the R.M.D.E.	
								DRILLER'S SIGNATURE <i>W. L. Christie</i>	

THIRD TOUR FROM _____ M. TO _____ M.

[illegible]

DAYWORK: HOURS 1 RATE 100.00 PER HOUR RATE 100.00 HOURS W/D PIPE 1

[illegible]

APPROVED [Signature]
PAN AMERICAN REPRESENTATIVE

APPROVED _____
CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME PRINCE HOFF

LEASE NAME ISLAND RIVER

24 HOUR PERIOD
ENDING AT MIDNIGHT 11/10/68

WELL NO. A1 FIELD MC

FIRST TOUR FROM 12 M. TO 1 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12 ⁰⁰	12 ⁰⁵				PIG SERVICE
12 ⁰⁵	3 ⁰⁰				LAY DOWN BOP REEL CASING
		T.O.	150		DISPLACE 20' OF CASING TO DIESEL FUEL
			1		
		P.S.D.	150		BREAK KELLY
					MOUNT XTINE TREE

DAYWORK: HOURS

RATE 14

HOURS.

-RATE

HOURS W/D PIPE

QUANTITY	MUD MATERIAL ADDED	HOURS					RATE	HOURS W/D PIPE		
		TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		BOILER & FIBERMAN 3 HAS		
								3 MAN CREW		
								DRILLER'S SIGNATURE <i>[Signature]</i> 7:00		

SECOND TOUR FROM 9 A.M. TO 4 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8 ⁰⁰	8 ²⁵				RIG SERVICE
8 ²⁵	12 ⁰⁰				HEAD UP YONG TREC
					RIG ON STAND P. WITH CREWS
					AT 12 NOON MARCH 3'

DAYWORK: HOURS.

RATE 100

HOURS

RATE

4 HOURS W/D PIPE

[illegible]

THIRD TOUR FROM 4 P M. TO 12 P M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4 ⁰⁰	4 ¹⁵				RIG SERVICE
4 ¹⁵	12 ⁰⁰				RIG ON STAND BY. TEST OUT & CLEAN UD.
					A. FINGERHUT Entered & Started Well Log
					MARCH 2 who drove 7:32
					MARCH 3

DAYWORK: HOURS

RATE

106

RATE

HOURS W/D PIPE 116.00

[illegible]

APPROVED

PAN AMERICAN REPRESENTATIVE

APPROVED

~~CONTRACTOR'S REPRESENTATIVE~~

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BRINKER H. FF 24 HOUR PERIOD ENDING AT MIDNIGHT MARCH 4 1960
LEASE NAME ISLAND RIDER WELL NO. 2-1 FIELD 2-2

FIRST TOUR FROM 12⁰⁰ A. M. TO 3⁰⁰ A. M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12 ⁰⁰	8 ⁰⁰	TRIP			WORKING CASEING
			TO	9150	
			TO	4100	
					Sho run log.

DAYWORK: HOURS 1 RATE 14.00 HOURS 1 RATE 14.00 HOURS W/D PIPE 1

DAYWORK: HOURS										
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		BOILER & FIREMAN 8 HRS		
								3 MDR CREW T		
								DRILLER'S SIGNATURE <i>[Signature]</i>		

SECOND TOUR FROM 4:00 P. M. TO 4:00 P. M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
1:00	11:00	Casing		11:50	Run 9 5/8 casing.
11:00	12:30	Cementing			Cementing in T.House
12:30	4:00	W.O.C.			W.O.C. Thru ice and down P.O. Ho
114 yds	9 5/8	36" log. J-55	A H-40	Bottom 76 fts	J-55-36 #2610
ble at 5:00	4:45	4 1/2	run log.	Log 38 fts	H-40-36 #1540
Cemented w/	450 ax.	3 1/2	wait out pipe		

DAYWORK: HOURS 2 1/4 RATE 66 HOURS 3 1/2 RATE st. 8 crew HOURS W/D PIPE

DAYWORK: HOURS										
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Pailer w/ Finneran Shrs		
								L. MARR E		
								DRILLER'S SIGNATURE Dan Christie		

THIRD TOUR FROM 400 A.M. TO 1200 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	12:00				DOC TEAR OUT BOP, SET SHIP C&T OF CASING
					8 hr without pipe.

DAY WORK: HOURS 5 RATE 57.24 w/ Overtime HOURS _____ RATE _____ HOURS W/D PIPE _____

DATE: _____ HOUR: _____										
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Boiled w/ Fire man's oil on crew & DRILLER'S SIGNATURE [Signature]		

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PAN AMERICAN REPRESENTATIVE

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CONTRACTOR'S REPRESENTATIVE

AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BRINER HILL 24 HOUR PERIOD ENDING AT MIDNIGHT MARCH 3 1962
 LEASE NAME ISLAND RIVER WELL NO. 8-1 FIELD W-C

FIRST TOUR FROM 12:00 A.M. TO 9:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:15	MAINT			RIG SERVICE CHECK BOP
12:15	4:30	CIRC			CIRC ABOVE PLUG FIBER COM MUD
4:30	7:00				DRILL 200 FT CEMENT POLISH PLUG
7:00	8:00	CIRC	T.D. 1150		CON MUD
			1150	1150	
					43% SOLS 3 DC

DAYWORK: HOURS 1 RATE 6 HOURS 8 RATE 8 HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
								12 1/4	SEC H7 PR
DEVIATION INSTRUMENT							DEPTH DEGREES OFF		
							GUIDED & FIREMAN 9th		
							3rd MAN 11th		
							DRILLER'S SIGNATURE <u>L. J. [Signature]</u>		

SECOND TOUR FROM 9:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	MAINT	T.D. 1150		Rig Service
8:15	2:00	Circulate			Condition Mud
2:00	4:00	T.D.			lay down drill pipe

DAYWORK: HOURS 9 RATE 10 HOURS 8 RATE 8 HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
1800	gel								
1000	bi-carb								
200	Guabracho								
DEVIATION INSTRUMENT							DEPTH DEGREES OFF		
							Railer w/ Fireman 11th		
							6 men		
							DRILLER'S SIGNATURE <u>Van C. Christie</u>		

THIRD TOUR FROM M. TO M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	MAINT	T.D. 1150		Rig Service Check B.O.P.
4:15	7:00				LAY DOWN D.P. + 3 D.C.s
7:00	8:00				TRIP UP TO RUN CASING
8:00	12:00				RUN 9 5/8 CASING

DAYWORK: HOURS 6 RATE 10 HOURS 3 RATE 8 HOURS W/D PIPE 3

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
DEVIATION INSTRUMENT							DEPTH DEGREES OFF		
							Boiled w/ Fireman 11th		
							4 men 11th		
							DRILLER'S SIGNATURE <u>[Signature]</u>		

APPROVED [Signature] PAN AMERICAN REPRESENTATIVE

APPROVED [Signature] CONTRACTOR'S REPRESENTATIVE

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME ROBERTSON No. 15 24 HOUR PERIOD ENDING AT MIDNIGHT MARCH 2 1961

LEASE NAME ISLAND RIVER WELL NO. A-1 FIELD W-C

FIRST TOUR FROM 12:00 M. TO 6:00 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12 ³⁰	12 ¹⁵	MANIT			RIG SERVICE CHECK ROP
12 ¹⁵	2 ¹⁵	CIRC			CIRK DRIVE PLUG HO?
2 ¹⁵	3 ¹⁵	TRIP			240 DOWN 27 SINKIES
3 ¹⁵	7 ⁰⁰	CIRK			CIRK 8 INCH TO FEEL PLUG
7 ⁰⁰	8 ⁰⁰	TRIP			RUN IN AND FEEL PLUG AT 7132
					177 STDs

DAYWORK: HOURS 0 RATE Nil HOURS _____ RATE _____ HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		DRILLER'S SIGNATURE	
								PAILED & FIREMAN 9H	
								3 MAN CREW T	
								DRILLER'S SIGNATURE <i>[Signature]</i>	

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	Moist			Rip service
8:15	10:15	THP			Strap Out 34 stls.
10:15	11:30	Circulate			Circulate.
11:30	12:30	Cementing			Plug #4 4370 - 4050, 250 3A cement
12:30	2:45	Circulate			Plug down @ 12:25. P.M.
2:45	4:00	THP			Lay down D.P.

DAYWORK: HOURS 8 RATE Rate HOURS _____ RATE _____ HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
300lb	D-1-Cut-B								
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Boiler w/ fireman 8 hrs 6 men	
		DRILLER'S SIGNATURE Don R. Kristie							

THIRD TOUR FROM 400P M. TO 1200P M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS. OIL OR GAS SHOW IN MUD. ETC.
FROM	TO		FROM	TO	
400	415	MANIT	TD	8150	Rig SERVICE Check BOPs
415	730	TRIP			FINISH LAYING down 4 1/2 DRILL PIPE
730	1100	TRIP			Run in To Polish Cement Plug
					BREAK Pipe @ 2000 + 3000' + 5171'
1100	1201	Circ			Circ TO PRETREAT mud For Cement

DAYWORK: HOURS 8 RATE 141 HOURS _____ RATE _____ HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
100	BICARB							12 1/4	SEC H7 RR
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		BOILER W/ FIRE MANTLE	
								3 men and crew +	
								DRILLER'S SIGNATURE <i>[Signature]</i>	

APPROVED

PAN AMERICAN REPRESENTATIVE

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CONTRACTOR'S REPRESENTATIVE

FIRST TOUR FROM 12 M. TO 2 M.

DAYWORK: HOURS 11.1 RATE 8 HOURS RATE HOURS W/D PIPE 8

SECOND TOUR FROM 8:00 P. M. TO 2:00 P. M.

DAYWORK: HOURS 8 RATE 141 HOURS _____ RATE _____ HOURS W/D PIPE 8

THIRD TOUR FROM 4⁰⁰ M. TO M.

DAYWORK: HOURS 8 RATE 11.11 HOURS RATE HOURS W/D PIPE 8

APPROVED _____
CONTRACTOR'S REPRESENTATIVE

FIRST TOUR FROM 12 P. M. TO 2 1/2 M.

DAYWORK: HOURS 6 RATE 144 HOURS RATE HOURS W/D PIPE 0

SECOND TOUR FROM 8:00 A. M. TO 4:00 P. M.

DAYWORK: HOURS 8 RATE 11.00 HOURS 1 RATE 11.00 HOURS W/D PIPE 0

THIRD TOUR FROM 400 P. M. TO 1200 P. M.

DAYWORK: HOURS 12 RATE 11.00 HOURS _____ RATE _____ HOURS W/D PIPE 0

APPROVED: [Signature]
PAN AMERICAN REPRESENTATIVE

APPROVED

CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 21 CONTRACTOR'S NAME SPINTERHOFF 24 HOUR PERIOD ENDING AT MIDNIGHT FEB 22 1962
LEASE NAME ISLAND RIVER WELL NO. A-1 FIELD W-1

FIRST TOUR FROM 12 A.M. TO 8 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12 ⁰⁰	12 ¹⁵	MAINT			RIG SERVICE CHECK BOP
12 ⁴⁵	1 ¹⁵	TRIP			LAY DOWN 9" DC
1 ¹⁵	2 ¹⁵	MAINT			CUT 100 DRILL LINE SLIP L
2 ¹⁵	3 ¹⁵	TRIP			RUN IN 13 DC
3 ¹⁵	4 ¹⁵	TRIP			LAY DOWN 2 1/2" DC
4 ¹⁵	5 ⁰⁰	TRIP			RUN IN DC

DAYWORK: HOURS 8 RATE \$4.00 HOURS 1 1/2 RATE \$4.00 HOURS W/D PIPE 77

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							45A 8314	HTC OWC 500110	
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF				
						BAILER & FIREMAN STAS			
						3 MAN DREW +			
						DRILLER'S SIGNATURE <u>[Signature]</u>			

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	Maint.	T.O. 8150		Rig Service & Check P.D.P.
8:15	9:00	Circulate			Circulate
9:00	10:00	TRIP			Finish in hole
10:00	4:00	W.D.O.			Circulate W.D.O. Orders

DAYWORK: HOURS 8 RATE \$4.00 HOURS 6 RATE \$4.00 HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
500#	Q. Brock	11:30	9.9	225	11	2/	9.5 45A	8 3/4	HTC OWC R.P.
100#	DRISCOSE-R	3:30	9.9	120	8	2/	9.5		
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF				
						Bailer w/ Fireman 8 hrs.			
						3 men & 10 men			
						DRILLER'S SIGNATURE <u>Don Christie</u>			

THIRD TOUR FROM M. TO M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	MAINT	8150		Rig Service CHECK BOP
4:15	12:00	W.D.O.			CIRCULATE + W.D.O. ORDERS

83 2/3 STD 13 DC, TEMP @ 400 - 60

DAYWORK: HOURS 8 RATE \$4.00 HOURS 1 1/2 RATE \$4.00 HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
#2200	BEL	5:00	9.9	124	8.0	2/	9.0	45-12 8 3/4	HTC OWC R.P.
#150	DRISCOSE	11:00	9.9	113	7.8	2/	9.0		
#100	A-BRAXIN								
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF				
						Bailer w/ Fireman 8 hrs.			
						3 men & 10 men			
						DRILLER'S SIGNATURE <u>[Signature]</u>			

APPROVED [Signature] PAN AMERICAN REPRESENTATIVE

APPROVED [Signature] CONTRACTOR'S REPRESENTATIVE

LEASE NAME Tsland River WELL NO. A-1 FIELD N.W.T.

FIRST TOUR FROM 1200 M. TO 500 P. M.

[illegible]

DAYWORK: HOURS 8 RATE \$14.14/HOUR N.O. PIPE RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		<i>Boiled & fixed in 1 hr</i> <i>4 man crew</i>	
		<i>Foster</i>		<i>8'50"</i>		<i>12</i>		DRILLER'S SIGNATURE	

SECOND TOUR FROM 8:00 P.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	4:00	Lapping			Lapping w/Schlumberger
					2 8 hrs. W.O. PIPE.

DAYWORK: HOURS 8 RATE \$17.71/H HOURS RATE HOURS W/D PIPE

[illegible]

THIRD TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4 ⁰⁰	6 ³⁰				Logging w/ Schlumberger. Tear out logs. START + WARM UP motor. AFTER Logging PRIME Pumps + BREAK 9" D.C. 8 HRS. W.O. PIPE.
6 ³⁰	7 ⁰⁰				
7 ⁰⁰	9 ³⁰				
9 ³⁰	12 ⁰⁰				

DAYWORK: HOURS 2 1/2 RATE \$7.50 an hour HOURS 5 RATE \$1.00 HOURS W/D PIPE _____

[illegible]

APPROVED: [Signature]
PAN AMERICAN REPRESENTATIVE

APPROVED _____
CONTRACTOR'S REPRESENTATIVE

FIRST TOUR FROM 1200 M. TO 500 M.

DAYWORK: HOURS 1 1/2 ~~line~~ RATE 1.00 HOURS 1 ~~repair~~ RATE _____ HOURS W/D PIPE 6 1/2 17

SECOND TOUR FROM 8:00 A. M. TO 4:00 P. M.

DAYWORK: HOURS 3 1/2 without pipe RATE ✓ HOURS _____ RATE _____ HOURS W/D PIPE 3/12

THIRD TOUR FROM _____ M. TO _____ M.

DAYWORK: HOURS 8 RATE \$4.00 HOURS 0 RATE 0 HOURS W/D PIPE 0

APPROVED *H. J. Jones*
CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BRINKHOFF DRILL 24 HOUR PERIOD ENDING AT MIDNIGHT FEB 24 1962
LEASE NAME TRINIDAD ISLAND RIVER WELL NO. G-1 FIELD

FIRST TOUR FROM 12⁰⁰ M. TO 2:00 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
1200	1215	main			RIC SERVICE CHECK BOP.
1215	245	WAT.			W/O SHOCK HOSE
245	315				MAKE UP SHOCK HOSE
315	400	CON + TRD			BREAK CIRC + RUN IN 15 STD
400	800	DRILL	8069	8085	DRILLING w/30000 RPM 75 PSE 1100
					82 1/2 STD 15 DC. TEMP @ 1200-90

DAYWORK: HOURS _____ RATE _____ HOURS 3 repairs RATE _____ HOURS W/D PIPE _____

[illegible]

SECOND TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8 ⁰⁰	8 ¹⁵	MAINT			RIG SERVICE CHECK BOP
8 ¹⁵	4 ⁰⁰	DRILL	8035	8136	DRILL W/35000 RPM 120 PSI 1100
					83 STDs 15 DM

DAYWORK: HOURS _____ DATE 2/24 HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		JIT NO.	SIZE	KIND
								44	8 3/4	DEMUL 576619
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	BOILER + FIREMAN & HRS					
					HUMAN CREW + DESEMAN					
								DRILLER'S SIGNATURE	<i>[Signature]</i>	

THIRD TOUR FROM 4:00 P. M. TO 12:00 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	Maint	8136		Rip Service & Check B.O.P.
4:15	5:30	Drilling		8147	Drill 8 3/4" hole.
5:30	6:45	Circulate	8147		Circulate Sample
6:45	7:00	Drilling	T.O	8150	Drill 8 3/4" hole.
7:00	9:15	Circulate			Circulate sample & condition mud
9:15	9:45	Survey			Survey
9:45	12:00	Trip			Trip Out

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	P.H.	BIT NO.	SIZE	KIND
700	R.X.	9.00	9.9	204	7.2	3/32	90	44	8 3/4	Sec Mud 576/19
100	DRISCO									
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Boiler w/ Hiron 2 hrs.		
		Fastco		8110.				same		
								DRILLER'S SIGNATURE <i>W. E. Hinton</i>		

APPROVED

PAN AMERICAN REPRESENTATIVE

APPROVED

CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF DRILLING 24 HOUR PERIOD Feb 23 1962
 LEASE NAME _____ WELL NO. _____ FIELD _____

FIRST TOUR FROM 1200 M. TO 800 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
1700	1715	MAINT			RIG SERVICE CHECK B.O.P. One to condition mud to treat out ANHYDRITE TRIP out
1715	700	CIRC.	8060		
700	800	TRIP			
					82 STD 15 DC. Temp @ 1200 + 60

DAYWORK: HOURS 100 RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
1500	Barium Carb	100	10	300	14.0	3/2	8.5	43	8 3/4	TREED YMR 914943
3500	GEL	700	9.9	152	7.4	3/2	9.0			
150	CAUSTIC									
250	DR. SCABE									
1100	G.X									
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	DRILLER'S SIGNATURE <u>Bohler w/ Fireman 8th</u>					
					<u>3rd Man Crew +</u>					
					<u>John E. Nielsen</u>					

SECOND TOUR FROM _____ M. TO 6 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
900	915	MAINT			RIG SERVICE CHECK B.O.P. HAISTING DP + DC
915	1130	TRIP			
1130	1230	TRIP			
1230	130	MAINT			RUN IN DC
130	330	TRIP			CUT 410' & SLIP 400' OF LINE
330	400	REFRM			RUN IN
					CLEAN FILL ON BOTTOM

DAYWORK: HOURS 5 RATE 100 HOURS 1 1/2 RATE 100 HOURS W/D PIPE 7

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
								44	8 3/4	SEC MHL 576619
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	DRILLER'S SIGNATURE <u>Bohler w/ Fireman 8th</u>					
					<u>4th Man Crew + LEHMAN</u>					
					<u>John E. Nielsen</u>					

THIRD TOUR FROM 4:00 P M. TO 12:00 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	MAINT	8060		RIG SERVICE & Check B.O.P. D+11 8 3/4" hole
4:15	6:30	Drilling	8069		
6:30	8:30	TRIP	8069		
8:30	12:00	Drilling			Hoist into 12 1/4" hole.
					W.O. Shank hose
					8 1/2 stds. D.P.
					15 DC.

DAYWORK: HOURS 9 RATE 100 HOURS 3 1/2 RATE 100 HOURS W/D PIPE 2 1/2

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
		500	9.9	190	9.2	3/2	9.0	44	8 3/4	SEC MHL 576619
		TRIP								
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	DRILLER'S SIGNATURE <u>Bohler w/ Fireman 8th</u>					
					<u>Easton</u>					
					<u>7950</u>					
					<u>7/8</u>					
					<u>Bohler w/ Fireman 8th</u>					
					<u>8 man</u>					
					<u>John E. Nielsen</u>					

APPROVED Bohler
 PAN AMERICAN REPRESENTATIVE

APPROVED _____
 CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF DRILLING 24 HOUR PERIOD ENDING AT MIDNIGHT FEB 22 1962LEASE NAME PAN AM ISLAND RIVER WELL NO. A-1 FIELD FIRST TOUR FROM 12⁰⁰ P.M. TO 8⁰⁰ A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12 ⁰⁰	12 ¹⁵	MAINT			RIG SERVICE CHECK B.O.P.
12 ¹⁵	3 ⁰⁰	Repair	7978		REPAIR WATER LEAK ON BREAK CLANG.
3 ⁰⁰	5 ⁰⁰	TRIP			TRIP IN W/BIT
5 ⁰⁰	6 ⁰⁰	Repair			Repair Conn around CHAIN
6 ⁰⁰	7 ⁰⁰	Trip			TRIP IN W/BIT
7 ⁰⁰	8 ⁰⁰				Work on PUMP

8 1/2 STD - 15 DC. Temp @ 12⁰⁰ - 8⁰DAYWORK: HOURS 4 RATE 43 HOURS 4 RATE 43 HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							43	8 3/4	REEDYMR 914943
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		DRILLER'S SIGNATURE		
							Boiler w/FIREMAN SHAD		
							3-man CREW		
							James Melson		

SECOND TOUR FROM M. TO 5 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4 ⁰⁰	4 ¹⁵	MAINT			RIG SERVICE CHECK BOP
4 ¹⁵	8 ³⁰				CLEAN To BOTTOM
8 ³⁰	4 ⁰⁰	DRILL	7978	8024	DRILL W/28 ⁰⁰ RPM 110 PSI 1100

DAYWORK: HOURS 1 RATE 43 HOURS 1 RATE 43 HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
350#	G X	10-00	10.0	195	2.8	3/2	9.0	43	8 3/4 REEDYMR 914943
50#	CAUSTIC				HEAVY				
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		DRILLER'S SIGNATURE		
150#		BARIUM CARB					Boiler & FIREMAN 8 HRS		
		FASTCO		7950	7/8		4 MAN CREW + LEASEMAN		
							James		

THIRD TOUR FROM 4:00 P.M. TO 12:00 M.N.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	Maint	8024		Rig Service Check B.O.P.
4:15	8:30	Drilling	8024		Drill 8 3/4" hole.
8:30	9:00	Circulate	8024		Condition Anhydrite Contaminated Mud
9:00	11:30	Drilling			Drill 8 3/4" hole.
11:30	12:00	Circulate			Circulate & Condition Anhydrite Contaminated Mud.

8 2 STD - 15 DC.

DAYWORK: HOURS 1 RATE 43 HOURS 1 RATE 43 HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
1500	G FL.	7.30	10.0	107	7.8	3/2	9.0	43	8 3/4	Reedymr - 914943
700	DRISCOSE									
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		DRILLER'S SIGNATURE			
1500		BARIUM					Boiler w/FIREMAN SHAD			
750		Q.X.		FASTCO	7950		3-man CREW			
							James			

APPROVED

PAN AMERICAN REPRESENTATIVE

APPROVED

CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF DRILLING 24 HOUR PERIOD ENDING AT MIDNIGHT Feb 21 1962
 LEASE NAME Pan Am Island RIG WELL NO. A-1 FIELD

FIRST TOUR FROM 1200 P.M. TO 800 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
1200	1215	MAINT			Rig SERVICE CHECK B.O.P.
1215	115	TRIP			FINISH TRIP IN W/B.T
115	200	REAM			REAM 5 Feet To Bottom
200	800	DRILL	7930	7947	DRILL w/ 3000 RPM 75 PSI 1100
					81 STD 15 DR. TEMPO 1200 + 50

DAYWORK: HOURS <u>8</u>		RATE <u> </u>		HOURS <u> </u>		RATE <u> </u>		HOURS W/D PIPE <u>8</u>		
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
#200	G-X	4.00	10.2	318	8.1	3/2	8.5	42	8 3/4	HTC-W782-51623
40	CAUSTIC	7.00	10.1	297	7.9	3/2	8.5			
100	DISCOSE	DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		BOILER W/ FIRE MAN 8 hrs		
								3 MAN CREW +		
								DRILLER'S SIGNATURE <u>John Schuler</u>		

SECOND TOUR FROM M. TO M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.						
FROM	TO		FROM	TO							
800	815	MAINT			RIG SERVICE CHECK BOP						
815	400	DALG	7947	7973	DALG W/30" RPM 65 PSI 11000						
					8 1 1/2 STD 15 DR						
DAYWORK: HOURS <u>8</u>		RATE <u>100</u>		HOURS <u>8</u>		RATE <u>100</u>		HOURS W/D PIPE <u>8</u>			
QUANTITY	MUD MATERIAL ADDED		TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
#100	DPTSCASE		9.00	10.1	295	8.0	2 1/2	8.5	42	8 3/4	HTC W782 5162
			2.30	10.2	320	7.8	2 1/2	9.0			
			DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		BOILER & FIREMAN 4 HRS		
									4 MEN CREW + LEASEMAN		
									DRILLER'S SIGNATURE <u>E. J. Miller</u>		

THIRD TOUR FROM 4:00 P.M. TO 2:00 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.					
FROM	TO		FROM	TO						
4:00	4:15	Maint	7973		Rig Service & Check B.O.P.					
4:15	5:30	Drilling	7978		Drill 8 3/4" hole					
5:30	6:00	Survey	7978		Deviation Survey					
6:00	7:30	TRIP			Trip for bit					
7:30	12:00				Work on cracked drum flange.					
DAYWORK: HOURS		RATE		HOURS		RATE		HOURS W/D PIPE		
5		100		2 1/2		100		5 1/2		
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
	DRILLER'S SIGNATURE							42	8 3/4	HTC-W782-51623
D-6	mud to plug and to							42	8 3/4	HTC-W782-51623
	water hole									
	8 hrs.	Eastco		7950		7/8		Boiler w/ fireman 8 hrs		
	F.P.O # 61791							DRILLER'S SIGNATURE		
								Don E. Kristian		

APPROVED John Schuler
 PAN AMERICAN REPRESENTATIVE

APPROVED Don E. Kristian
 CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF DRAG 24 HOUR PERIOD ENDING AT MIDNIGHT Feb 20 1962
LEASE NAME PAN Am Island Region WELL NO. A-1 FIELD _____

FIRST TOUR FROM 1200 P. M. TO 800 A. M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12 ⁰⁰	12 ¹⁵	MAINT		7930	REG SERVICE CHECK BOPs
12 ¹⁵	2 ⁰⁰	TRIP			TRIP OUT TO TEST.
2 ⁰⁰	3 ³⁰				MAKE UP TOOL.
3 ³⁰	6 ³⁰	TRIP			TRIP IN W/ TESTING TOOL.
6 ³⁰	8 ⁰⁰				HEAD UP T RIG UP TESTING Manifesto
					80 ² / ₃ STD 15 D.Es TEMP @ 200 - 140.

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		BOILER W/ FIREMAN STR 3 m ANI Crew + DRILLER'S SIGNATURE [Signature]		

SECOND TOUR FROM 5⁰⁰ M. TO 4³⁰ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8 ⁰⁰	8 ¹⁵	MAINT			RIG SERVICE CHECK BOP
8 ¹⁵	12 ⁰⁰	TEST			SHUT 8:00 - 8:38 OPEN 8:38 - 10:52
					SHUT IN 10:32 - 11:52
12	5 ⁰⁰	TRIP			PULL OUT RAT HOLE TRAPT
			5.5	12.5	

DAYWORK: HOURS 9 RATE 7 HOURS RATE HOURS W/D PIPE 8

[illegible]

THIRD TOUR FROM 4:00 P.M. TO 7:00 M.W.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	Maint	7930		Rig Service & Check B.O.P.
4:15	6:30	TLIP			Pull Out w/ packer
6:30	7:00	T			Breakdown & breakdown packers; bent sol D.D.
7:00	7:30	EST			Run in w/ bit = 42.
7:30	10:15	Maint			Set 100" & slip 30" c/lp line
10:15	11:30	TLIP			Run in w/ bit = 42.
11:30	12:00	Circulate			Break Circulation & Circulate @ 6000'

DAYWORK: HOURS 8 RATE 1.00 HOURS 1/4 min. RATE 1.00 HOURS W/D PIPE 3 1/4

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							42	8 3/4	HTC 017R2
									51623
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Driller's Signature	
		Eastco		7810		7/8		[Signature]	
								DRILLER'S SIGNATURE	

APPROVED [Signature]
PAN AMERICAN REPRESENTATIVE

APPROVED Vernon Smith
CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

 RIG NUMBER 20 CONTRACTOR'S NAME BRINKHOFF DRILLING 24 HOUR PERIOD ENDING AT MIDNIGHT Feb 19 1962

 LEASE NAME PAN AM ISLAND RIVER WELL NO. A-1 FIELD

 FIRST TOUR FROM 12:00 M. TO 8:00 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:15	MAINT			RIG SERVICE CHECK BOIDS
12:15	5:30	DRILL	7910		DRILL W/ 130000 RPM 75 PSI 11:00
5:30	6:45				CHANGE HEAD + LINER D-500
6:45	8:00	DRILL	7926		DRILL

80% STD 15DC TEMP. @ 12:00 - 20°

 DAYWORK: HOURS 5 RATE 1.16 HOURS 1 1/4 RATE 1.16 HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
#260	Barium Carb.	100	11.3	314	7.8	2 1/2	8.5	41	8 3/4	HTC W7 66389
#50	DISCISE	700	10.3	308	7.6	2 1/2	8.5			
#50	G-X									Boiler w/ Fireman 8 hrs
#25	CAUSTIC									3 MAN CREW +
										DRILLER'S SIGNATURE <u>John C. Blum</u>

 SECOND TOUR FROM M. TO M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	MAINT			RIG SERVICE CHECK R.O.P.
8:15	11:00	DRILL	7926	7930	DRILL W/ 135000 RPM 75 PSI 11:00
11:00	4:00	DRILL			CIRC & CONDITION MUD

 DAYWORK: HOURS 5 RATE 1.16 HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
850	Barium Carb	16:00	10.2	247	8.8	3 1/2	8.5	41	8 3/4	HTC W7 66389
200	DISCISE	3.30	10.0	193	7.7	2 1/2	90			
200	G.X.									Boiler & Fireman 8 hrs
100	CAUSTIC	EASTCO			2816	2 1/2				4 MAN CREW & LEASMAN
										DRILLER'S SIGNATURE <u>L. Turner</u>

 THIRD TOUR FROM 4:00 PM TO 12:00 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	Maint.	7930		Rig Service & Check R.O.P.
4:15	6:15	Circulate			Circulate & Condition Mud
6:15	7:15	TRIP			Down 1 Trip
7:15	10:15	Circulate			Circulate & Condition Mud
10:15	12:00	TRIP			TRIP + Lost

 DAYWORK: HOURS 5 RATE 1.16 HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
#40	CAUSTIC	1700	10.2	208	7.6	2 1/2	90	41	8 3/4	HTC W7-66389
200	G.X.									
100	DISCISE									Boiler w/ Fireman 8 hrs
3400	G.P.L.	EASTCO			7810	7 1/2				3 men
										DRILLER'S SIGNATURE <u>Dan R. Kistner</u>

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CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BROWN KEEFE DRILLING 24 HOUR PERIOD ENDING AT MIDNIGHT FEB 5 18 62

LEASE NAME Pan Am Island River WELL NO. A-1 FIELD

FIRST TOUR FROM 1200 M. TO 500 A M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:15	MAINT			RIG SERVICE CHECK ROP
12:15	5:15	DRILL	7862	7890	DRILL W/ 28000 RPM 120 PSI 1100.
5:15	8:00	TRIP			TRIPPING Pump out 12 Single + Pull A STD.
					80 STD 1500. TEMPO 1200 - 120

DAYWORK: HOURS _____ RATE 10.75 HOURS _____ RATE _____ HOURS W/D PIPE 8

[illegible]

SECOND TOUR FROM 800 M. TO 406 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8 ⁰⁰	8 ¹⁵	MAINT			RIG SERVICE CHECK BOP
8 ¹⁵	9 ⁰⁰	TRIP			PUMP OUT 3 SINGLES HOLE TIGHT
9 ⁰⁰	12 ⁰⁰	TRIP			PULL OUT
12 ⁰⁰	230	TRIP			RUN IN
230	4 ⁰⁰	REAM			7168-7200

DAYWORK: HOURS 1 RATE 12.00 HOURS 1 RATE 12.00 HOURS W/D PIPE 8

[illegible]

THIRD TOUR FROM 4:00 P.M. TO 12:00 M.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	Mudlog	7880		Riser Service - Check S.A.P.
4:15	6:00	Tripdrag			Run in w/bit #41
6:00	12:00	Drilling	7910		Drill 8 3/4" hole

DAYWORK: HOURS _____ RATE 12 HOURS _____ RATE _____ HOURS W/O PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	TH.	BIT NO.	SIZE	KIND
		7.00	103	360	7.4	2 1/2	85	41	8 3/4	471-517-66589
		10.30	103	310	8.2	2 1/2	85			
		DEVIATION INSTRUMENT			DEPTH		DEGREES OFF		Bailer w/ 15-man Shrs.	
		Easton			7810		7/8		Green E	
									DRILLER'S SIGNATURE: [Signature]	

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CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME Brinkerhoff Drilling 24 HOUR PERIOD ENDING AT MIDNIGHT Feb 17 1962
LEASE NAME Island River WELL NO. A-1 FIELD N.W.T.

FIRST TOUR FROM 2.00 M. TO 2.00 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:00	Main	7765		Recessed & Check P.P.Ps.
12:15	3:00	Drilling		7787	Drill 8 3/4" hole
3:00	3:45	Recess	7787		Work on pump. 7 9 1/2 stds. D.P.
3:45	5:30	Drilling		7799	Drill 8 3/4" hole 15 - 6 1/2" D.C.
5:30	6:30	Recess	7799		Recess Work on pump.
6:30	8:00	Drilling		7809	Drill 8 3/4" hole
					31 Repairs 4 1/2

DAYWORK: HOURS 1.5 RATE 11.00 HOURS 1.5 RATE 11.00 HOURS W/D PIPE 6.00

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	P.H.	BIT NO.	SIZE	KIND
700	GEL.	130	102	193	7.1	2 1/2	8.5	29	2 3/4	Smith-T2-74659
#75	DRISCF.	750	102	206	7.0	2 1/2	8.5			
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Bailer w/ fireman & hrs.		
		Eastco		9700		2		8 mins		
								DRILLER'S SIGNATURE Dan E. Krista		

SECOND TOUR FROM 8⁰⁰ A.M. TO 4⁰⁰ P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	MAINT			RIG SERVICE CHECK B.O.P.
8:15	10:00	DRILL	7809	7818	DRILL w/25000 RPM 110 PSI 1100 Ck Kelly Cock
10:00	10:30	SURVEY			SURVEY
10:30	1:00	TRIP			TRIP OUT FOR BIT
1:00	1:30	TRIP			RUN IN DCs
1:30	2:00				SKIP LINE 33'
2:00	4:00	TRIP			TRIP IN w/BIT Temp @ 8 AM - 80°

DAYWORK: HOURS 1.5 RATE 1.25 HOURS 1.5 RATE 1.25 HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	R.H.	BIT NO.	SIZE	KIND
		9.00	102	19.4	6.6	242	8.5	39	8 3/4	STC T2 74659.
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Boiler w/ FIRE TANK 8 1/2		
								3 MAN CROW + LEASE MANT		
								DRILLER'S SIGNATURE <i>John S. Smith</i>		

THIRD TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
400	415	MAINT			RIG SERVICE CHECK BOP
415	445	REAM			REAM 5' FILL ON BOTTOM
445	1200	DRLA	7818	7862	DRLA W/2000 RPM 110 PSI 1100
					60 STD 1500

DAYWORK: HOURS 6 RATE 1.1 HOURS RATE HOURS W/D PIPE 2

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
1400#	CEL	8.00	10.2	210	6.8	3/2	9.0	40	6 3/4 SFC 47509901
80	CAUSTIC	11.00	10.2	200	6.8	3/2	9.0		
208	G.X	DEVIATION INSTRUMENT			DEPTH		DEGREES OFF		BOILER & FIREMAN SHRS
1000	BARIUM CARR	FAST CO			78.10		7/8		4 MAN CREW
							DRILLER'S SIGNATURE		A. J. [Signature]

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PAN AMERICAN REPRESENTATIVE

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CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME Brinkerhoff, D & Co 24 HOUR PERIOD ENDING AT MIDNIGHT Feb 16 1942
LEASE NAME Toland River WELL NO. A-1 FIELD N.W.T.

FIRST TOUR FROM 12:00 M. TO 1:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:15	Maint	7685		Riser Service & Check S.O.P.
12:15	4:00	Drilling		7715	Drill 8 3/4" hole
4:00	5:45	Circulate	7715		Circulate Sample
5:45	6:15	Survey			Deviation Survey
6:15		Trip			Trip for bit. S.L. M. Turn out 3 c/s.
					77 1/2' - 1st L.S.P.
					15' D.C.s

DAYWORK: HOURS 8 RATE 1.1 HOURS RATE HOURS W/D PIPE 8

DAYWORK: HOURS		RATE		TIME		WT.	VIS.	FL. LOSS	CAKE	PLI.	BIT NO.	SIZE	KIND
QUANTITY	MUD MATERIAL ADDED												
2400.	BARIUM CARB	130	10.2	280	70	1/2					24	8 3/4	OWC-92798
				XRI P									
		DEVIATION INSTRUMENT				DEPTH		DEGREES OFF		Boiler w/ Iron on 8 hrs.			
		Eastco				11/10 1/10				Bore			
										DRILLER'S SIGNATURE Don Christie			

SECOND TOUR FROM 800 A M. TO 100 P M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
800	815	MAINT			RIG SERVICE CHECK BOIP.
815	1100	T.B.P			TRIP OUT 60/12.1T CHECK PLANK TRAMS
1100	100	TRIP			TRIP IN W/12.1T.
100	330	DRILL	7715	7730	DRILL W/25000 RIG 120 PSI 1100
330	400	C.I.A.C.			CIRC SAMPLE. CHECK KELLY COCK
					SUM ON TRIP OUT - 2.86 SHORT AT BOARD TALLY
					78 1/2 STD 15 D.C. TEMP @ 8 AM - 8°

DAYWORK: HOURS 8 RATE 1.0 HOURS RATE HOURS W/D PIPE 8

DAYWORK: HOURS		DATE		TIME		KIND			
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		3.00	10.3	247	7.6	32	8.5	38 8 3/4	SEC T2 74629.
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		BOILER W/ FIREMAN & HR	
								3 MAN, 3 MAN, LEASEMAN +	
								DRILLER'S SIGNATURE John C. [unclear]	

THIRD TOUR FROM 9⁰⁰ M. TO 12⁰⁰ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:22	4:15	MAINT			RIG SERVICE CHECK BOP
4:15	4:45	CIRC			CIRC SAMPLE 7730
4:45	1:30	CIRC			CIRC AND WAIT ON ORDERS
6:30	12:00	DRILL	7730	7765	DRILL w/29000 RPM 150 PSI 1100
					29 STD 15 DC

DAYWORK: HOURS 8 RATE 1.6 HOURS RATE HOURS W/D PIPE 8

DAYWORK: HOURS		RATE	LOG NO.						SIT NO.	SIZE	KIND
QUANTITY	MUD MATERIAL ADDED		TIME	WT.	VIS.	FL. LOSS	CAKE				
175 ^F	DRI SCASE	600	10.2	280	7.6	$\frac{3}{32}$	8.5	39	8 3/4	STC. T2	74659
100 ^F	Q X	11.00	10.2	170	6.8	$\frac{3}{32}$	8.5				
40 ^F	CAUSTIC										
			DEVIATION INSTRUMENT	DEPTH	DEGREES OFF		BLOWER & FIRE MAN O HAS				
							4 MAN CREW				
							DRILLER'S SIGNATURE J. P. [Signature]				

APPROVED

PAN AMERICAN REPRESENTATIVE

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CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME Brinkerhoff Drilling 24 HOUR PERIOD ENDING AT MIDNIGHT Feb 15 1962
 LEASE NAME Island River WELL NO. A-1 FIELD N.W.T.

FIRST TOUR FROM 12:00 M. TO 8:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:15	MAINT	75 1/2		Rig Service Check B.O.P.
12:15	1:00	Repair			Remove Slick from pump.
1:00	2:45	Drilling	75 1/4		Drill 8 3/4" hole
2:45	3:00	Repair	75 1/4		Change head in D-500
3:30	5:15	Drilling	76 1/4		Drill 8 3/4" hole
5:15	5:45	Survey			Deviation Survey
5:45	8:00	TRIP			Trip for bit.

DAYWORK: HOURS 8 RATE Nil HOURS 1 1/2 REPAIRS Nil HOURS W/D PIPE 6 1/2

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH.	BIT NO.	SIZE	KIND
#400	GEL.	230	10.0	173	7.4	1/2	85	37	8 3/4	HTC OWC 91819
#100	DRISCOE									
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Boiler w/ Fireman 8 hrs.		
		East co		75 1/5				Signed		
								DRILLER'S SIGNATURE <u>D. P. Hester</u>		

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	MAINT			Rig Service Check BOP
8:15	9:00	TRIP			FINISH TRIP OUT
9:00	9:30	TRIP			Run in D.C. Temp 8 AM - 12°
9:30	10:00				SLIP 33' LINE (CHECK KELLY COCK OK)
10:00	12:00	TRIP			Run in Hole 77 1/2 STD. 15 D.C.
12:00	12:45	Repair			REAM 12 ft under gauge Hole.
12:45	4:00	DRILL	74 1/4	74 3/4	DRILL w/ 2800 RPM 140 PSI 1100

DAYWORK: HOURS 8 RATE Nil HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH.	BIT NO.	SIZE	KIND
		200	10.2	286	9.0	1/2	85	38	8 3/4	HTC OWC 92798
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Boiler w/ FIREMAN 8 hrs.		
								3 man OPEN 1 LEASE MAINT		
								DRILLER'S SIGNATURE <u>John C. Hester</u>		

THIRD TOUR FROM 4:00 P.M. TO 12:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	MAINT			RIG SERVICE CHECK BOP
4:15	12:00	DRILL	76 3/4	76 85	DRILL w/ 2800 RPM 140 PSI 1100
					DRILL 8 3/4" HOLE
					78 STDS & 150"

DAYWORK: HOURS 8 RATE Nil HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH.	BIT NO.	SIZE	KIND
200	DRISCOE	6.00	10.3	260	7.8	3/2	8.5	38	8 3/4	HTC OWC 92798
1000	BARIUM CARBONATE	10.00	10.3	220	7.6	3/2	8.5			
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		DRILLER & FIREMAN 9 HRS		
		EAST CO		75 1/5		13/4		4 MAN CREW		
								DRILLER'S SIGNATURE <u>John C. Hester</u>		

APPROVED

PAN AMERICAN REPRESENTATIVE

APPROVED

CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME Brinkerhoff Drilling 24 HOUR PERIOD ENDING AT MIDNIGHT Feb 14 1962
 LEASE NAME Island River WELL NO. A-1 FIELD N.W.T.

FIRST TOUR FROM 12:00 MATO 8:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	1:00	TRIP	7529		Finish out w/ bit #36
1:00	1:15	Maint			Check Service & Check B.O.P.
1:15	2:00	TRIP			Run in w/ drill collars
2:00	7:00	Waiting			U.S.O. W.O. H.O.
7:00	8:00	Repair			Weld mud line

DAYWORK: HOURS 1 1/2 RATE 6.44 HOURS 13 1/4 RATE 13 1/4 HOURS W/D PIPE 13 1/4

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							87	8 3/4	HTC MW 91813
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		DRILLER'S SIGNATURE		
		Eastco		7420	2.		Boiler w/ Fireman 8 hrs. Brazed & Dan L. Christie		

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	MAINT			R.S. SERVICE CHECK BOPs
8:15	12:00	Repair			Work on mud line
12:00	2:00	Repair			CHANGE SLIDE SEATS D-500
2:00	4:00	TRIP	7529		Run in w/ B.T. BREAK COLLAR
76 2/3 STD B.D. TEMP @ 8 AM - 24°					

DAYWORK: HOURS 2 1/2 RATE 11.00 HOURS 5 3/4 RATE 5 3/4 HOURS W/D PIPE 2 1/2

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							37	8 3/4	HTC MW 91813
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		DRILLER'S SIGNATURE		
							Boiler w/ Fireman 8 hrs. Brazed & fixed these mud John S. Schuler		

THIRD TOUR FROM 4:00 P.M. TO 12 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	MAINT			R.S. SERVICE CHECK BOP.
4:15	5:00	REAM			10' FALL ON BOTTOM
5:00	6:30	DRILL	7529	7540	DRILLING
6:30	6:45	PRIME PUMP			
6:45	7:45	DRILL	7540	7573	DRILLING
7:45	10:00	REPAIR			WORK ON MASTER BREAK QUICK RELEASE
10:00	12:00	DRILL	7573	7582	DRILL 2800 RPM 140 PSI 1100

DAYWORK: HOURS 8 RATE 11.00 HOURS 11.00 RATE 11.00 HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
100 F	OX	8:00	10.2	280	9.0	3/2	8.5	37	8 3/4	HTC MW 91813
100 F	AUSTIC	11:00	10.2	230	7.8	3/2	8.5			
50 F	DRISCOE									
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		DRILLER'S SIGNATURE			
		EASTCO		7420	2°		Boiler & Fireman 8 hrs 4 men on crew John S. Schuler			

APPROVED

E. M. Nelson
PAN AMERICAN REPRESENTATIVE

APPROVED

James Schuler
CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME Brinkerhoff Drilling 24 HOUR PERIOD ENDING AT MIDNIGHT Feb 13 1962
 LEASE NAME Island River WELL NO. A-1 FIELD N.W.T.

FIRST TOUR FROM 12:00 M. TO 8:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:15	Maint	7421		Big Service & Check B.O.P.
12:15	4:45	Drilling		7449	Drill 8 3/4" hole
4:45	5:00	Survey	7449		Survey.
5:00	8:00	Tripping			Trip for bit
					2 men work hole section 7 1/2 ft.
					Island River lease 5 hrs end

DAYWORK: HOURS 8 RATE 11 HOURS 8 RATE 11 HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH.	BIT NO.	SIZE	KIND
		230	103	342	7.6	2/32	8.5	85	8 3/4	Reed YSIR 412240
										THLP.
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF					
		Eastco		7420	2°		Bailer w/ Fireman 8 hrs			
							3 men & Driller's Signature <u>W. E. Kistner</u>			

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	MAINT			Big SER CHECK BOP
8:15	9:00	TRIP			Run in D.C.
9:00	10:00				Cut + Slip Line 66 ft.
10:00	12:00	TRIP			FINISH TRIP IN W.B.T.
12:00	4:00	DRILL	7449	7496	DRILL W/ 2800 RPM 140 PSI 1100
					CHECK KELLY COCK.
					76 STD 15 DC TEMP @ 8 AM - 10°

DAYWORK: HOURS 8 RATE 11 HOURS 1 1/2 RATE 11 HOURS W/D PIPE 7

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH.	BIT NO.	SIZE	KIND
								36	8 3/4	Reed YSIR 014436
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF					
		Eastco		7420	2°		Bailer w/ FIRE MAN 9 hr.			
							3 MAN CREW + LEASE MAN + Driller's Signature <u>John C. Nielsen</u>			

THIRD TOUR FROM 4:00 P.M. TO 12:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	MAINT			RIG SERVICE CHECK BOP
4:15	8:45	DRILL	7496	7529	w/ 2800 RPM 140 PSI 1100
8:45	10:00	DUMP OUT 2 SINGLES			8 3/4 HOLE TIGHT 7500 - 7100
10:00	12:00	TRIP			PULL D.P.

DAYWORK: HOURS 8 RATE 11 HOURS 1 1/2 RATE 11 HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH.	BIT NO.	SIZE	KIND
500	DX	600	143	320	7.9	2/32	80	36	8 3/4	Reed YSIR 014436
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF					
		Eastco		7420	2		Bailer & FIRE MAN 9 hrs			
							4 MAN CREW + Driller's Signature <u>G. J. Nielsen</u>			

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PAN AMERICAN REPRESENTATIVE

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CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME Brinkerhoff Drilling 24 HOUR PERIOD ENDING AT MIDNIGHT Feb 12 1962
 LEASE NAME Island River WELL NO. A-1 FIELD N.W.T.

FIRST TOUR FROM 12:00 M. TO 8:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:15	MAINT	7301		Rig Service & Check B.O.P.
12:15	4:20	Drilling	7326		Drill 1 7/8" hole
4:30	6:45	TRIPPING			TRIP PER BIT
6:45	8:00	TRIPPING			Run in w/ bit #35
					7 1/2" stds - 15 D.C.

DAYWORK: HOURS		RATE		HOURS		RATE		HOURS W/D PIPE		
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	P.H.	BIT NO.	SIZE	KIND
		130	163	340	7.8	4.2	8.5	34	8 3/4	CP-EM 14-189526
		430	103	343	7.5	7.0	8.5	35	8 3/4	Reed YTR-18-712240
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Boiler w/ Fireman 8 hrs		
		Eastco		7200		3 1/4		3 men & Driller's Signature Don R. Kristie		

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	MAINT			Rig Service Check B.O.P.
8:15	10:00	TRIP			FINISH RUNNING IN W/ BIT SHIP 33' LINE
10:00	4:00	DRILL	7326	7372	DRILLING W/ 28000 RPM 120 PSE 1100
					CHECK KELLY COCK OK.
					7 1/2" STD 15 D.C. TEMP @ 8 AM + 4°

DAYWORK: HOURS		RATE		HOURS		RATE		HOURS W/D PIPE				
QUANTITY		MUD MATERIAL ADDED		TIME	WT.	VIS.	FL. LOSS	CAKE	P.H.	BIT NO.	SIZE	KIND
#300	GFI	11:30	10.3	345	8.1	7.0	8.5	35	8 3/4	REED YTR 202240		
#50	DRISCOSE	3:00	16.3	350	8.6	7.0	8.5					
#100	G-X	DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		BOILER W/FIREMAN 8 hrs				
#40	CAUSTIC							3 MAN CREW + LEASEMAN				
								DRILLER'S SIGNATURE John P. Stuber				

THIRD TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	MAINT			RIG SERV CHECK R.O.P.
4:15	12:00	DRILL	7372	7421	DRILLING W/ 28000 RPM 120 PSI 1100
					7 5/8" STD 15 D.C.

DAYWORK: HOURS		RATE		HOURS		RATE		HOURS W/D PIPE				
QUANTITY		MUD MATERIAL ADDED		TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
100	DRISCOSE	6:00	102	340	8.0	7/2	8.5	35	8 3/4	REED YSTR 212240		
25	CAUSTIC	10:10	102	380	2.6	7/2	8.5					
50	QX	DEVIATION INSTRUMENT				DEPTH		DEGREES OFF		BOILER & FIREMAN 8 HRS		
		EASTCO				7200		3 1/4		4 MAN CREW		
										DRILLER'S SIGNATURE <i>[Signature]</i>		

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PAN AMERICAN REPRESENTATIVE

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CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME Brinkerhoff Dole 24 HOUR PERIOD ENDING AT MIDNIGHT Feb 11 1962
 LEASE NAME Island River WELL NO A-1 FIELD N.W.T.

FIRST TOUR FROM 12:00 M. TO 8:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.				
FROM	TO		FROM	TO					
12:00	12:15	Maint	7200		Rig Service - Check B.O.P.				
12:15	12:45	Drilling		7205	Drill 8 3/4" hole				
12:45	1:15	Circulate	7205		Circulate sample				
1:15	1:30	Survey			Survey				
1:30	3:30	Trip			Trip for bit				
3:30	4:00	Trip			Run in drill collars				
4:00	5:30	Maint			Cut 100' strip of casing line				
5:30	7:00	Maint			Check settling tank				
7:00	8:00	Trip			Run in 10' repair				
DAYWORK: HOURS 8		RATE 11.00		HOURS 11					
				RATE 17.00					
				HOURS W/D PIPE 6 1/4					
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
	72 1/2 stds O.P.						34	8 3/4	CP EM-1V
	15.0 C.C.								189526
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF					
		Eastco	7200	3 1/4		Boiler w/ Fireman 8 hrs			
							DRILLER'S SIGNATURE Don Christie		

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

SECOND TOUR FROM

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8 ⁰⁰	8 ¹⁵	MAINT.			Rig SER CHECK BOP's
8 ¹⁵	10 ³⁰	TRIP			Run in w/ B.T. Check Kelly Cock
10 ³⁰	4 ⁰⁰	DRILL	7205	7249	DRILL w/ 25000 RPM 120 PSI 1100

THIRD TOUR FROM _____ M. TO _____ M.

THIRD TOUR FROM

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.				
FROM	TO		FROM	TO					
4 ⁰⁰	4 15	MANIT			RIG SERVICE - CHECK BOP				
4 15	12 ⁰⁰	DRILL	7249	7302	DRILL W/25000 RPM 120 PSI 1100				
					74 STD 15 DC				
DAYWORK: HOURS		RATE	HOURS		RATE	HOURS W/D PIPE			
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
2400	GEL	6 ⁰⁰	10.2	260	8.2	7/32	34	8 3/4	CP EMIV 189526
160	DRILL ROSE	10 ⁰⁰	10.2	320	7.8	7/32			
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		BOILER & FIREMAN 8 HRS		
		EASTCO		7200	3 1/4		4 MAN CREW		
							DRILLER'S SIGNATURE		

APPROVED _____

PAN AMERICAN REPRESENTATIVE

APPROVED _____

CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

 RIG NUMBER 20 CONTRACTOR'S NAME BAINTERSHOLE 24 HOUR PERIOD ENDING AT MIDNIGHT FEB 10 1962

LEASE NAME _____ WELL NO. _____ FIELD _____

 FIRST TOUR FROM 12 05 A.M. TO 2 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12 ⁰⁰	12 ¹⁵	MAINT			RIG SERVICE ✓ ROP
12 ¹⁵	2 ³⁰	TRIP			PULL OUT OF HOLE
2 ³⁰	3 ⁰⁰	TRIP			LEAD DOWN FISH (CORE MARREL)
3 ⁰⁰	3 ⁴⁵	TRIP			RUN IN DO
3 ⁴⁵	4 ¹⁵	MAINT			SLIP 33' LINE
4 ¹⁵	6 ⁴⁵	TRIP			RUN IN GREAT PIG AT 4500 & 5500 & 6500
6 ⁴⁵	8 ⁰⁰	REAM	7107	7113	REF M RAT HOLE

 DAYWORK: HOURS 8 RATE NIL HOURS _____ RATE _____ HOURS W/D PIPE 7 1/8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							33	8 3/4	CP EMIV 199254
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF					
		ERSTCO	7050	2°	BOILER & FIREMAN 8 HR				
					4 MAN CREW				
					DRILLER'S SIGNATURE <u>[Signature]</u>				

 SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	Maint.	7112		Rig Service. Check B.O.P.s.
8:15	9:15	Reaming	7121		Ream to 8 3/4" hole
9:15	4:00	Drilling	7121	7162	Drill 8 3/4" hole.

 DAYWORK: HOURS 8 RATE NIL HOURS _____ RATE _____ HOURS W/D PIPE 8

DAYWORK: HOURS		RATE		TIME		WT.		VIS.		FL. LOSS		CAKE		P.H.		BIT NO.		SIZE		KIND	
QUANTITY	MUD MATERIAL ADDED	TIME		WT.		VIS.		FL. LOSS		CAKE		P.H.		BIT NO.		SIZE		KIND			
1100	G FL.	930		105		420		75		1/32		8.5		33		8 3/4		CP-EMIV			
#150	G.X.	300		105		297		7.8		1/32		8.5						199254			
#60	CAS TIC	DEVIATION INSTRUMENT				DEPTH				DEGREES OFF				Boiler w/ Fireman 8 hrs							
		Fastco				7050				2°				8 man & lease man							
														DRILLER'S SIGNATURE Don E. Kistner							

 THIRD TOUR FROM 400 M. TO 1200 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
1100	1115	Maint			RIG SERVICE CHECK R.O.P.s
1115	800	DRILL	7162	7200	DRILLING w/ 28000 RAM 120 PSI 1100
800	915	Repair			CHANGE STUD IN LINER CAP D-500
915	1200	DRILL			DRILLING
					7 1/2 STD 15 ID TEMP @ 4 PM + 4°

 DAYWORK: HOURS 1 RATE NIL HOURS 1 1/4 repairs RATE _____ HOURS W/D PIPE 8 3/4

DAYWORK: HOURS		RATE		NO.		DATE		TIME		KIND	
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	P.H.	BIT NO.	SIZE		
#800	G-FI	4.30	105	301	7.8	1/32	8.5	33	8 3/4	CP EMIV 1982	
#100	G-X	10.30	105	312	7.9	1/32	8.5				
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Boiler w/ FIREMAN 8HRS			
								Boiler Crew +			
								DRILLER'S SIGNATURE <u>Robert P. [Signature]</u>			

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PAN AMERICAN REPRESENTATIVE

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CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BRINCKERHOFF 24 HOUR PERIOD ENDING AT MIDNIGHT FEB 9 1962
 LEASE NAME ISLAND RIVER WELL NO. A-1 FIELD W-0

FIRST TOUR FROM 12 A.M. TO 8 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12 ⁰⁰	12 ¹⁵	MAINT			RIG SERVICE ✓ BOP
12 ¹⁵	12 ⁴⁵	TRIP			MAKE UP CORE BARREL
12 ⁴⁵	2 ⁰⁰	TRIP			RUN IN D.C. & D.P.
2 ⁰⁰	2 ⁴⁵	CORE			PREPARE CORE BARREL AT 400'
2 ⁴⁵	4 ⁰⁰	TRIP			RUN IN D.P.
4 ⁰⁰	8 ⁰⁰	CORE	7107	7115	CORE 102

DAYWORK: HOURS 8 RATE Nil HOURS 8 RATE Nil HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		6 ⁰⁰	11	395	7.7	7/32	328	6 1/8	JASMIT & 1275
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		DRILLER'S SIGNATURE		
		EASTCO		7050	2°		Boiler & Fireman 9 hrs 4 MAN CREW J. Turner		

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	10:45	Coring	7115	7121	Coring Core #2
10:45	11:00	Mont			Rig service
11:00	2:00				Pull Out core barrel
2:00					Outer barrel twisted off
3:00					Retrieve Core & lay down inner barrel
3:00	4:00				Pick up overshot

DAYWORK: HOURS 8 RATE Nil HOURS 8 RATE Nil HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
	7 1/2 stds D.P.	930	10.3	365	9.7	3/32	8.0	328	12 1/4	JKSQ 1275
	15 D.Cs.	T.R.I.P.								
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Boiler w/ Fireman on the		
Core #27407-7121		Eastco		7050		2		8 men & 4 seamen		
D.C. 11'								DRILLER'S SIGNATURE D.C. Kuster		

THIRD TOUR FROM M. TO M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	MAINT	7121		RIG SERVICE CHECK BOP
4:15	5:30				PICK UP & DRESS G/S
5:30	8:30	TRIP			Run in w/ 10 1/2 Cms to Fish
8:30	9:15	Fishing			Fishing w/ 10 mca
9:15	10:15	Core			Core
10:15	12 ⁰⁰				TRIP OUT

DAYWORK: HOURS 8 RATE Nil HOURS 8 RATE Nil HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		DRILLER'S SIGNATURE		
							Boiler w/ Fireman 8 hrs 3 men crew J. Turner		

APPROVED: E. C. Peterson HB
PAN AMERICAN REPRESENTATIVE

APPROVED: J. Turner
CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 2A CONTRACTOR'S NAME BRINKERHOFF 24 HOUR PERIOD ENDING AT MIDNIGHT FEB 9 1962
 LEASE NAME ISLAND RIVER WELL NO. B-1 FIELD WID

FIRST TOUR FROM 12 AM. TO 8 AM.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12 ⁰⁰	12 ¹⁵	MAINT			RIG SERVICE ✓ BOP
12 ¹⁵	1 ¹⁵	MAINT			REPAIR HIGH DRIVE + ROTARY DRIVE CHAIR
1 ¹⁵	3 ⁴⁵	TRIP			PULL OUT
3 ⁴⁵	5 ⁰⁰	TRIP			RECOVER PIPE
5 ⁰⁰	5 ⁴⁵	TRIP			LAY DOWN CORE PAPER
5 ⁴⁵	6 ⁴⁵	TRIP			RUN IN
6 ⁴⁵	7 ¹⁵	MAINT			SLIP SPILL LINE
7 ¹⁵	8 ⁰⁰	TRIP			RUN IN

DAYWORK: HOURS 8 RATE Nil HOURS 1 RATE Repair HOURS W/D PIPE 6

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							32	4 1/4	JAGMIT 0 1275
							32	12 1/4	HTC OW 46999
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF			
		EAST 10		7050		2°		BOILER & FIREMAN 8 Hrs	
								4 MAN CREW	
								DRILLER'S SIGNATURE <u>S. J. ...</u>	

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	Maint	7106		Rig Service Check B.O.P.
8:15	10:00	TRIPPING			Run in w/bit #32
10:00	4:00	Reaming	7056	7094	Beam to 12 1/4"

DAYWORK: HOURS 8 RATE Nil HOURS RATE HOURS W/D PIPE 8

DAYWORK: HOURS										
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	P.H.	BIT NO.	SIZE	KIND
#100	LATIC	1200	10H	408	7.8	2/30	8.0	32	12 1/4	H.T.C. OWV
#200	Q.X.	400	10H	330	7.9	2 1/2	8.0			46889
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Boiler & Fireman 8 hrs.		
		East 10		7050		2		3 men & 10 men		
								DRILLER'S SIGNATURE Don Christie		

THIRD TOUR FROM M. TO M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	MAINT			RIG SERVICE CHECK B.O.P.
4:15	6:00	Reaming	7094	7107	Beam to 12 1/4" + DRILL 1 ft
6:00	8:00	Circ			Circ Hole Chan to Core
8:00	11:00	TRIP			TRIP OUT FOR CORE B.R.H.
11:00	12:00				Pick up Core B.R.H.

DAYWORK: HOURS 8 RATE Nil HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							32	12 1/4	HTC OWV 46889
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF			
								Boiler w/ Fireman 8 hrs	
								3 MAN CREW	
								DRILLER'S SIGNATURE <u>John ...</u>	

APPROVED C. Watson PAN AMERICAN REPRESENTATIVE

APPROVED James ... CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BOHN HERHOFF 24 HOUR PERIOD ENDING AT MIDNIGHT FEB 7 1960
 LEASE NAME ISLAND RIVER WELL NO. E-1 FIELD W-8

FIRST TOUR FROM 12 P.M. TO 8 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12 ⁰⁰	12 ¹⁵	MAINT.			RIG SERVICE - R.D.
12 ¹⁵	1 ⁰⁰	TRIP			RUN IN
1 ⁰⁰	2 ⁰⁰	CIRP			BREAK CIRC & CIRC AT 500
2 ⁰⁰	3 ⁰⁰	TRIP			RUN IN
2 ³⁰	3 ³⁰	CIRP			BREAK CIRC & CIRC AT 1900
3 ³⁰	3 ⁴⁵	TRIP			RUN IN TOUCH BOTTOM & CIRC.
3 ⁴⁵	8 ⁰⁰	CORING	7056	7065	

DAYWORK: HOURS 8 RATE Nil HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
34"	Stream water	7.00 AM	9.9	360	7.5	1/2	7.5	32	6 1/8	J.K. Smit 1275
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	BOILER & FIRE MAN 8 HRS					
		EASTED	7050	2°	4 MAN CREW					
						DRILLER'S SIGNATURE <u>Bohn</u>				

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	4:00	Coring	7065		Coring core #1
			7090		

DAYWORK: HOURS 8 RATE Nil HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
1600	GEL	9.30	10.4	400	7.5	1/2	8.0	32	6 1/8	J.K. Smit 1275
25#	CAUSTIC	3.30	10.4	293	7.7	1/32	8.0			
50#	Q.Y.									
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	Boiler w/ Fireman 8 hrs					
		Easter	7050	2°	Burger & Lengenme					
						DRILLER'S SIGNATURE <u>D. L. Christie</u>				

THIRD TOUR FROM 4:00 P.M. TO 12:00 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	10:15	CORING	7090	7106	CUTTING CORE #1
10:15	10:30	MAINT.			RIG SERVICE CHECK BOP.
10:30	12:00	TRIP			TRIP OUT w/ CORE

71 STD 150# 1500 CORRECTION. TEMP 12° @ 4 PM - 4°

DAYWORK: HOURS 8 RATE Nil HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
900	GEL	4:30	10.4	307	7.7	1/2	8.0	32	6 1/8	J.K. Smit 1275
50#	G.X	9:30	10.4	308	7.9	1/4	8.0			
25#	CAUSTIC									
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	BOILER w/ FIRE MAN 8 hrs					
					3 MAN CREW +					
						DRILLER'S SIGNATURE <u>Bohn</u>				

APPROVED

PAN AMERICAN REPRESENTATIVE

APPROVED

CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BOWLER & SONS 24 HOUR PERIOD ENDING AT MIDNIGHT FEB 6 1962
 LEASE NAME 15th AND RIVER WELL NO. A-1 FIELD W-C

FIRST TOUR FROM 12 AM TO 5 AM

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.					
FROM	TO		FROM	TO						
12 ⁰⁰	12 ⁰⁵	MAINT			RIG SERVICE ✓ BOP					
12 ¹⁵	8 ⁰⁰	DRILL	7055	7155	DRILL 11000 RPM MIN PSI 1200					
					DOWN BLEW OUT RIG LINES WITH STEAM					
DAYWORK: HOURS <u>8</u> RATE <u>Nil</u> HOURS <u>8</u> RATE <u>Nil</u> HOURS W/D PIPE <u>8</u>										
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
600 [#]	C.F.L.	2.00	10.3	275	7.1	1/2	7.5	31	12 1/4	H.T. 050 3462
		7.00	10.3	280	7.0	3/4	7.5			
						DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	BOILER & FIRE MAN 8 HRS 4 MAN CREW DRILLER'S SIGNATURE <u>[Signature]</u>	
						EASTCO	6850	1 3/4		

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.					
FROM	TO		FROM	TO						
8:00	8:15	Maint	7055		Rig Service. Check B.O.Ps.					
8:15	9:15	Circulate			Circulate Sample					
9:15	9:45	Survey			Survey					
9:45	1:00	Trip			Trip for bit. S.L. 17.					
1:00	4:00	Maint			Change heads & liners. Clean scifling tank.					
DAYWORK: HOURS <u>8</u> RATE <u>Nil</u> HOURS <u>8</u> RATE <u>Nil</u> HOURS W/D PIPE <u>5</u>										
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
7 1/3	3 1/2 S.D.P.									
	15/ O.C.									
						DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	Boiler w/ Fireman 8 hrs 3 men & 1 lease man & DRILLER'S SIGNATURE <u>[Signature]</u>	
						EASTCO	7050	2		

THIRD TOUR FROM 4:00 P.M. TO 12:00 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.					
FROM	TO		FROM	TO						
4:00	4:15	Maint	7056		Rig Service & Check B.O.Ps.					
4:15	6:00	Maint			Change heads & liners					
6:00	9:45	Trip			Pick up core barrel & run into 11000					
9:45	11:00				Attempt to break circulation & unplug bit					
11:00	11:30				Circulate @ 4000'					
11:30	12:00				Run in w/ core barrel					
DAYWORK: HOURS <u>8</u> RATE <u>Nil</u> HOURS <u>8</u> RATE <u>Nil</u> HOURS W/D PIPE <u>6</u>										
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
7 1/3	3 1/2 S.D.P.									
	12/100									
						DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	Boiler w/ Fireman 8 hrs 3 men & DRILLER'S SIGNATURE <u>[Signature]</u>	
						EASTCO	7050	2		

APPROVED

PAN AMERICAN REPRESENTATIVE

APPROVED

CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 27 CONTRACTOR'S NAME R. D. M. K. P. H. O. E. 24 HOUR PERIOD ENDING AT MIDNIGHT FEB 5 19 62
 LEASE NAME ISLAND RIVER WELL NO. A-1 FIELD W-18

FIRST TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
1200	1215	MAINT			RIG SERVICE ✓ BOP
1215	115	MAINT			DRILL DOWN 21-1/2" SOCKET SPUD LINE
115	315	TRIP			RUN IN D.P. D.P.
315	400	MAINT			REPAIR ELEVATORS
400	500	TRIP			RUN IN AND MAKE BIT CONNECTION
510	500	DRLO	6925	6925	DRLO

DAYWORK: HOURS 8 RATE Nil HOURS _____ RATE _____ HOURS W/D PIPE 7

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
300	GEL						31	12 1/4" O.S.C.	3462
50	QX								
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		DRILLER'S SIGNATURE	
								ROLLER & FIREMAN 9th	
								4 MAN CREW	
								DRILLER'S SIGNATURE <u>L. J. Jones</u>	

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	MAINT	6925		Rig Service & Check B.O.P.
8:15	9:00	Drilling	6938		Drill 12 1/4" hole
9:00	9:30	Circulate	6938		Circulate sample
9:30	10:45	Drilling	6946		Drill 12 1/4" hole 70 1/2 stds D.P.
10:45	12:00	Circulate	6946		Circulate sample 15 D.C.
12:00	4:00	Drilling	6925		Drill 12 1/4" hole

DAYWORK: HOURS 8 RATE Nil HOURS _____ RATE _____ HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	P.H.	BIT NO.	SIZE	KIND
2000	GFL.	930	9.9	308	7.5	432	7.5	31	12 1/4	OSC 3462.
150	QX	400	10.3	297	7.8	432	7.5			
460	CAUSTIC	DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Roller w/ Fireman 8th		
		Fastco		6850		1 3/4°		3 men & 1 seaman &		
								DRILLER'S SIGNATURE Dan Christen		

THIRD TOUR FROM 4:00 P.M. TO 12:00 M.N.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	MAINT	6925		Rig Service - Check B.O.P.
4:15	1200	Drilling	7025		Drill 12 1/4" hole
					71 STDs 15 D.C.

DAYWORK: HOURS 8 RATE Nil HOURS _____ RATE _____ HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
1600	GEL	700	10.2	330	7.1	432	31	12 1/4" O.S.C.	3462
		1100	10.2	295	7.2	432			
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		DRILLER'S SIGNATURE	
								Roller w/ Fireman 8th	
								3 men	
								DRILLER'S SIGNATURE <u>John J. Nielsen</u>	

APPROVED _____

PAN AMERICAN REPRESENTATIVE

APPROVED _____

CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BRINTERHOFF 24 HOUR PERIOD ENDING AT MIDNIGHT Feb 7 1962
 LEASE NAME ISLAND RIVER WELL NO. A-1 FIELD WIC

FIRST TOUR FROM 4:20 A.M. TO 9 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:15	MANIT			RIG SERVICE - B.O.P.
12:15	1:30	MANIT			CUT & SLIP DRILL LINE
1:30	3:30	TRIP			RUN IN HOLE
3:30	4:30				CIRC & WORK MAGNET
4:30	8:00	TRIP			PULL OUT D.P.
					70 STDS + 15 DC

DAYWORK: HOURS 8 RATE HOURS RATE HOURS W/D PIPE 6 1/2

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
									MAGNET
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	BOILER + FIREMAN 8 Hrs				
					4 MAN CREW				
					DRILLER'S SIGNATURE <u>E. James</u>				

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	Maint	6925		Rig Service & Check B.O.P.s.
8:15	9:00	TRIP			Finish Out w/ magnet
9:00	11:00	CIRC.			MIX. MUD TO RAISE VOLUME
11:00	2:30	TRIP			Run in w/ Globe basket
2:30	4:00	Repairs			Work on pump.
					70 stds D.P.
					15 D.C.s

DAYWORK: HOURS 8 1/4 RATE 16 HOURS 1 1/4 RATE 14.00 HOURS W/D PIPE 5 1/4

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	Boiler w/ fireman 8 hrs				
		Eastco	6850	1 3/4	3 men & 100 men				
					DRILLER'S SIGNATURE <u>Don Christie</u>				

THIRD TOUR FROM 4:00 P.M. TO 2:00 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	Maint	6925		Rig Service & Check B.O.P.s.
4:15	5:00	Repair			Work on Mud pump
5:00	9:00	Circulate			Circulate & Condition Mud
9:00	12:00	TRIP			PULL D.P. + D.C. + 1200 BASKET
					RETRIEVE CONE

COPY

DAYWORK: HOURS 8 1/4 RATE 16 HOURS 1 1/4 RATE 14.00 HOURS W/D PIPE 6

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
400	GEL								
25	CASIEC								
75	G.X.								
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	Boiler w/ fireman 8 hrs				
		Eastco	6850	1 3/4	3 men &				
					DRILLER'S SIGNATURE <u>John J. Nielsen</u>				

APPROVED

PAN AMERICAN REPRESENTATIVE

APPROVED

CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BANKER HOFF DRILL 24 HOUR PERIOD ENDING AT MIDNIGHT Feb 3 1962
 LEASE NAME PAN AM ISLAND TRUER WELL NO. A-1 FIELD

FIRST TOUR FROM 1200 M. TO 800 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.							
FROM	TO		FROM	TO								
12 ⁰⁰	1215	1 unit	6925		RIG SERVICE CHECK B.O.P.							
12 ¹⁵	800				BEARING BRIDGED OF HOLE							
			6925	6928	FROM 6865 - 6925 - MILLON CONC.							
730	800				TRIP OUT TO FISH FOR CONC.							
20 STD 15 D.C. TEMP @ 1200 MN 0°												
tagged bottom 2 ft. low and tagged hole milled 1 ft. further												
DAYWORK: HOURS		8	RATE		100	HOURS		RATE		HOURS W/D PIPE		8
QUANTITY	MUD MATERIAL ADDED		TIME	WT.	VIS.	FL. LOSS	CAKE	P.A.	BIT NO.	SIZE	KIND	
4800	GFL		4.00	103	195	7.4	3m	4.30	12 1/4	HTE OSC 3463		
475	DRISCOE		700	103	400	7.6	3m	4.00				
			DEVIATION INSTRUMENT			DEPTH		DEGREES OFF		BOILER w/FIREMAN SHR		
										3 MAN CREW +		
										DRILLER'S SIGNATURE <i>John G. [Signature]</i>		

SECOND TOUR FROM 800 M. TO 400 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
0	815	MAINT			RIG SERVICE - BOP
5	1200	TAIR			PULL DRILL PIPE + DC
10	400	TAIR			MAKE UP GLOBE BASKET
					RUN IN HOLE
				</	

THIRD TOUR FROM 4:00 P.M. TO 12:00 M.N.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.					
FROM	TO		FROM	TO						
4:00	4:15	Maint	6925		Rig Service Check BOPs.					
4:15	5:15	Fishing			Work globe basket					
5:15	9:00	Trip			Pull Out.					
7:00	11:00	Trip			Break down Basket Remove skirt					
11:00	11:45	Trip			from 7" Magnet.					
11:45	12:00	Maint			Run in D.C.s. 70 std.s D.P.					
					Rig line 15 D.C.s.					
DAYWORK: HOURS		8	RATE		HOURS	RATE		HOURS W/D PIPE		5 1/2
QUANTITY	MUD MATERIAL ADDED		TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND

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CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

 RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF DRILLING 24 HOUR PERIOD ENDING AT MIDNIGHT FEB 2 1966

 LEASE NAME PANAM Island RIVER WELL NO. A-1 FIELD

 FIRST TOUR FROM 12⁰⁰ M. TO 8⁰⁰ A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12 ⁰⁰	12 ¹⁵	MAINT			RIG SERVICE CHECK B.O.P.
12 ¹⁵	9 ⁰⁰	REAM			REAM BRIDGES FROM 6750-6790
					6 8 1/2 STD 15 D.C. TEMP @ 12 ⁰⁰ MN + 12°

 DAYWORK: HOURS 8 RATE 100 HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
3800	GEL.	3 ⁰⁰	10.3	12.0	6.8	7/32	7.5	29	12 1/4	SEC H7 461656
200	GX	7 ⁰⁰	10.3	173	8.0	7/32	7.5			
50	DRISCOSE HV									
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF						
										Boiler w/ FIREMAN 8 HRS
										3 MAN CREW +
										DRILLER'S SIGNATURE <u>John S. Schuman</u>

 SECOND TOUR FROM M. TO M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8 ⁰⁰	8 ¹⁵	MAINT			RIG SERVICE CHECK B.O.P.
8 ¹⁵	9 ³⁰	REAM	6790	6800	REAM BRIDGES
9 ³⁰	1 ³⁰	TRIP			PULL PIPE & D.C.
1 ³⁰	3 ⁰⁰	TRIP			CHANGE BIT SUB & RUN IN D.P.
3 ⁰⁰	3 ³⁰	MAINT			SLIP DRILL LINE
3 ³⁰	4 ⁰⁰	TRIP			RUN IN D.P.
					6 8 1/2 STD 15 D.C.

 DAYWORK: HOURS 8 RATE 100 HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
1000	GEL							29	12 1/4	SEC H7 461656
100	DRISCOSE							30	12 1/4	H7C OSC 3463
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF						BOILER FIREMAN 8 HRS
										4 MAN CREW + 1 ASEMP.
										DRILLER'S SIGNATURE <u>J. Schuman</u>

 THIRD TOUR FROM 4:00 P.M. TO 12:00 M.N.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	MAINT.	6725		Rig Service & Check B.O.Ps.
4:15	6:00	TRIP			Finish in w/ bit "80"
6:00	12:00	Ream	6810	6865	Clean to bottom
					6 9 1/2 STD 15 D.P.
					15 - 6 1/2 D.C.

 DAYWORK: HOURS 8 RATE 100 HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
450	CAUSTIC	8:00	10.4	22.0	7.6	3/32	8.0	30	12 1/2	OSC - 3463
100	GEL.	11:30	10.4	2.5	7.8	1/32	8.0			
1300	GEL.									Boiler w/ Fireman 8 H
450	DRISCOSE									3 MAN CREW
	Eastco									DRILLER'S SIGNATURE <u>Don Christie</u>

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PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF DRILL 24 HOUR PERIOD ENDING AT MIDNIGHT Fish 1 1962
LEASE NAME Pool Ann Island TUGER WELL NO. B-1 FIELD _____

FIRST TOUR FROM 12⁰⁰ M. TO 2⁰⁰ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN H.D. ETC.
FROM	TO		FROM	TO	
12 ⁰⁰	1215	SCR		692	RIC SERVICE CHECK R.O.P.
1215	330	TRIP	3000	7100	PICK UP PIPE FROM SPRINGS.
330	700	WAIT			PICK + WAIT FOR DEEP PIPE MAXIMUM
700	800	TRIP			PICK UP 1 1/2 TRILLION.
					42 870 15 DEG TEMP @ 12 MIN + 32°

DAYWORK: HOURS 8 RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE 8

QUANTITY		MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
800		CEL	2730	10.3	176	8.7	2 1/2	7.5	29	12 1/4	SEE H 9 461656
			DEVIATION INSTRUMENT		DEPTH		DEGREE OFF		BOILER w/ FIREMAN THRU 3rd man (Pneum + DRILLER'S SIGNATURE <i>Don L. G. Williams</i>		

SECOND TOUR FROM 8 M. TO 9 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
0 ⁰⁰	0 ¹⁵	SERV		6925	RIG SERV CHECK B.O.D
8 ¹⁵	10 ⁰⁰	TRIP			PICK UP DRILL PIPE
13 ⁰⁰	14 ⁰⁰	REAM	4760	4960	REAM BRIDGES
11	3 ⁰⁰	TRIP			PICK UP PIPE
3 ²⁰	4 ⁰⁰	REAM	6680	6710	REAM BRIDGES
					6750 15 DD

DAYWORK: HOURS 8 RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE 8

DAY WORK LOG										KIND	
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE			
							29	12 1/4	SEC	197461656	
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		ROLLER 4 FIREM 2 HRS			
								4 MAN CREW + LEASEMAN			
								DRILLER'S SIGNATURE - J. Turner			

THIRD TOUR FROM 4:00 P. M. TO 12:00 M. ✓

[illegible]

DAYWORK: HOURS 8 RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH.	BIT NO.	SIZE	KIND
#3,080	CEL.	430	101	136	8.8	1/2	7.5	29	12 1/4	H7 461656-
#200	* DRY ROSE	11.30	103	172	7.4	1/2	8.5			
75#	CAS 720	DEVIATION INSTRUMENT			DEPTH		DEGREES OFF		Boiler & Fireman 2 hrs.	
150#	QX				6330		2 3/4		3 in 15'	
							DRILLER'S SIGNATURE		Don Christie	

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PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 10 CONTRACTOR'S NAME Bunker Hill Drilling 24 HOUR PERIOD ENDING AT MIDNIGHT Jan 31 1961
 LEASE NAME Pan Am Island WELL NO. D-1 FIELD

FIRST TOUR FROM 1:00 M. TO 7:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:15	SERV	6925		Check SER CHECK BOPs
12:15	9:00	LAY DOWN D.P.			Finish laying down 1 1/2 DRILL PIPE + 6 1/2" + 8" 9" DE BROOK Tongs. STOOD 2-9" DEs in DEARICK.
					Recommended Bit # 28 w/ #1 Cone Gone.
					TWO MEN STAY OVER LAY DOWN 1/2 PIPE

DAYWORK: HOURS 8 RATE HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							28	12 1/4	HTC #30375
									DROPPED 16" - LOST 1 CONE
									Boiler w/ Fireman 8 hrs
									3 man CREW +
									DRILLER'S SIGNATURE <u>John L. Johnson</u>

SECOND TOUR FROM 8 A.M. TO 4 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	SERV	6925		RIG SERVICE CHECK BOP
8:15	4:00	LAY DOWN D.C.			UNLOAD 15 D.C. LOAD DRILL PIPE on TRUCK LAY DOWN 6 D.C.
					6925

DAYWORK: HOURS 8 RATE HOURS RATE HOURS W/D PIPE 1

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							28	12 1/4	HTC #303756
									DROPPED 16" - LOST 1 CONE
									Boiler & FIREMAN 8 HRS
									5 MAN CREW & HOSEMAN
									DRILLER'S SIGNATURE <u>J. L. Johnson</u>

THIRD TOUR FROM 4:00 P.M. TO 12:00 M. & 1

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	Mount	6925		Rig Service Check BOPs
4:15	12:00	TRIP			TRIP 15 - 6 1/2" DRILL PIPE and 2 1/2" F.H. DRILL PIPE
					15 - 6 1/2 D.C.s.
					20 cts D.P.

DAYWORK: HOURS 8 RATE HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							29	12 1/4	HT-461656
									Boiler & Fireman 8 hrs
									3 men
									DRILLER'S SIGNATURE <u>J. L. Johnson</u>

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PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BRINKHOFF 24 HOUR PERIOD ENDING AT MIDNIGHT JAN 30 1962
LEASE NAME ISLAND RIVER WELL NO. 12-1 FIELD _____

FIRST TOUR FROM 120 M. TO 89 M.

[illegible]

DAYWORK: HOURS 8 RATE 10.1 HOURS _____ RATE _____ HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							28	12 1/4	HTC - OSC 16
									# 30375
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		BOILER w/ FIRE MAN SHAS 3 on on Crane 5 DRILLER'S SIGNATURE <i>[Signature]</i>	

SECOND TOUR FROM _____ M. TO _____ M.

[illegible]

DAYWORK: HOURS 8 RATE 22 HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							28	12 1/2	HTC-ASC 10
									F 30375
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Baker & Fife Man	
								5 Man Crew & Leasehold	
								DRILLER'S SIGNATURE F. J. [illegible]	

THIRD TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15				REG. SER. CHECK B.O.P.s
4:15	12:00				LAY DOWN 4 1/2" DRILL PIPE
					+ 6 1/2" O.P.s
			7:10	6:25	2 MEN STAY OVER LAY DOWN PIPE
					THEY ARE TO BE REMOVED

DAYWORK: HOURS 8 RATE \$12 HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							28	12 1/4	HTC SSC-OSC-10
									30575
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Barler w/ F.R.S.R. man	
								03 m. 00. Cray +	
								DRILLER'S SIGNATURE	

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DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF DRIS 24 HOUR PERIOD ENDING AT MIDNIGHT Jan 29 1962
LEASE NAME Pan Am Island R. VIER. WELL NO. A-1 FIELD 1

FIRST TOUR FROM 1200 M. TO 500 A M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
1700	1715	MANH			RISER CHECK B.O.P.
1715	600	Trip			TRIP OUT 52 MP. CALIPER D.C. TD + OD
600					PUT IN NEW HOLE FILL LINE.
600	800		6925		WAIT ON WELDER.
					68 3/4 STD 17 D.C. TEMP @ 1200 MD -22°

DAYWORK: HOURS 6 RATE REL HOURS 2 RATE REP HOURS W/D PIPE 1

DAYWORK: HOURS									
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
PIPE TALLY MEASURED									
CUT O.K.									
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	BOILED W/FIRE MAN Thru				
					3 on AN CREW +				
					DRILLER'S SIGNATURE <i>John S. Schuler</i>				

SECOND TOUR FROM 8 M. TO 4 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8 00	8 15				RIG SERVICE — CHECK BOP
8 15	4 20				WAIT ON WELDER
				6925	
					68 2/3 STD 17 DC.

DAYWORK: HOURS 8 RATE 210 HOURS 8 RATE 220 HOURS W/D PIPE —

DAYWORK: HOURS		DATE		LOCATION		WELL NO.		BIT NO.		SIZE		KIND	
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE							
								29	124	OSC1-6-HTC.			
										#30375			
		DEVIATION INSTRUMENT			DEPTH		DEGREES OFF		BOILER & FIREMAN 8 HR.				
									5 MAN CREW & LEASEMAN				
									DRILLER'S SIGNATURE <i>R. J. Turner</i>				

THIRD TOUR FROM 12 M. TO 8A M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	6:00	REPAIR	6925		WELD - MUD LINE
6:00	8:00	TRIP			RUN IN - PIPE came apart 19 stds off bottom when picked out of slips (3 stds below)
8:00	10:00	FISH			Pulled out (break in slip area) ^{table}
					PICKED UP BROWN 8 1/2 O/S
12:00	12:00	FISH			Ran in to fish top (1623) latch fish
					trying to break sec.

DAYWORK: HOURS 8 RATE Per HOURS 2 RATE Per HOURS W/D PIPE 6

DAYWORK: HOURS		RATE		TIME		KIND	
QUANTITY	MUD MATERIAL ADDED	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE
		7 1/2	1 1/2			28	12 1/4
							OSCI-6 - HTC
							# 30375
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF	Bailed w/ Eppiman	
						Boreal Crew +	
						DRILLER'S SIGNATURE Don Christee	

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PAN AMERICAN REPRESENTATIVE

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PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

 RIG NUMBER 20 CONTRACTOR'S NAME BRINKEP-HOFF DRG 24 HOUR PERIOD ENDING AT MIDNIGHT Jan 28 1962

 LEASE NAME PAN AM ISLAND TOWER WELL NO. 12-1 FIELD

 FIRST TOUR FROM 1200 M. TO 800 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
1200	1215	MAINT			PIG SERVICE
1215	1115	DRILL	6840	6850	DRILL W/3000 RPM 105 PSI 1100
1115	230	Circ			Circ Sample PER BED.
230	300	Grp			SURVEY (67 STD + 2 SINGLES 17 D.C)
300	600				TRIP OUT W/ BIT TEMP @ 1200 MD - 22°
600	615				CHECK BLANK FORMS
615	800	Grp			Rem in D.C. + 5 SHIP LINE 33'

 DAYWORK: HOURS 8 RATE Rate HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
9300	O-E-L	100	10.6	195	6.8	2/32	7.5	26	12 1/4	HYD OSC-16 92352
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Boiler w/ Fireman 8hr		
		Caster		6850		1 3/4		3 man CREW		
								DRILLER'S SIGNATURE John F. [Signature]		

 SECOND TOUR FROM M. TO M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
800	815				PIG SERVICE - CHECK B.O.P.
815	830				FINISH SHIPPING LINE
830	1015				RUN IN D.P.
1015	1045				REAM TO BOTTOM
1045	700	DRILL	6850	6885	DRILL W/3000 RPM 105 PSI 1100

 DAYWORK: HOURS 8 RATE Rate HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
950	GEL	300	10.4	170	6.8	2/32	9.0	27	12 1/4	REFD YTI N8566
70	DRISCOSE									
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		Boiler + FIRE MAN 8hr			
		RX		6850	1 3/4		3 MAN CREW + LEASEMAN			
		CAUSTIC		FASTCO			DRILLER'S SIGNATURE <u>[Signature]</u>			

 THIRD TOUR FROM M. TO M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
400	415				PIG SERVICE - CHECK B.O.P.
415	1000	DRILL	6885	6925	W/3000 RPM 105 PSI 1100
1000	1200				PULL D.P. WASHED OUT MUD LINE

68 STD + 2 SINGLES 17 D.C.

 DAYWORK: HOURS 8 RATE Rate HOURS RATE HOURS W/D PIPE 8

DAYWORK RECORD										
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
900 875	GEL DRESCOSE	500	10.4	145	7.5	2/32	8.0	27	12 1/4	REFD YTI N8566
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		- BOILER & FIRE MAN 8HR + MAN CREW		
								DRILLER'S SIGNATURE <i>[Signature]</i>		

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 PAN AMERICAN REPRESENTATIVE

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 CONTRACTOR'S REPRESENTATIVE

FIRST TOUR FROM 1200 M. TO 800AM.

DAYWORK: HOURS 2 RATE 2 HOURS RATE HOURS W/D PIPE 2

SECOND TOUR FROM 800 A.M. TO 400 P.M.

DAYWORK: HOURS 8 RATE 0 HOURS RATE HOURS W/D PIPE 0

THIRD TOUR FROM 7 M. TO 12 M.

DAYWORK: HOURS 8 RATE 10 HOURS _____ RATE _____ HOURS W/D PIPE 5

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PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 1 CONTRACTOR'S NAME Brinkerhoff Inc. 24 HOUR PERIOD ENDING AT MIDNIGHT Jan 26 1967
LEASE NAME Toland River WELL NO. A-1 FIELD M.B.T.

FIRST TOUR FROM 2.00 M. TO 5.00 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:15	Mam t	6557		Kid Service
12:15	8:00	Drilling		115	Drilling 12 1/4" hole.
					65 1/2 - 115 D.F.
					115 D.C.

DAYWORK: HOURS 8 RATE 0 HOURS _____ RATE _____ HOURS W/D PIPE 8

DAYWORK: HOURS									
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	P.	BIT NO.	KIND
2400	G.C.	130	100	147	75	3/4	9	25	18 1/4 OSC-1 G 5 1/4 35
100	D. 1/2 30 1/2	800	100	140	10 1/4	1			
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Roiland Fineman 11/15	
		E-2 1/2		6400		1 1/2		3 00 0 N E	
								DRILLER'S SIGNATURE Dan E. Krentz	

SECOND TOUR FROM 7:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
800	830	grout			At 500 Wnd on P. 100
830	100	Drill	6650	6695	2 1/2" 16" w/ 130000 RPM 105 PSI 1100
100	130	Survey			Survey
130	400	Drill			For 130
					1 1/2 STD 17 D C Temp @ 8 am - 320

DAYWORK: HOURS 8 RATE 0 HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	P. #	BIT NO.	SIZE	KIND
430	GEL	10:30	10	1977.4	52	85	25	12 1/2	HTC	OSGIG
1000	DRECSUR R99									
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		BOILER W/SEALING Human crew + KISSON DRIER'S SIGNATURE		

THIRD TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
10	4:15		6695		RIG SERVICE
15	4:40				FINISH PULLING OUT
20	5:30				FINISH UNLOAD RIG
20	11:00				BEAM IN
22					BEAM BRIDGE AT 1420

DAYWORK: HOURS 2 RATE 0 HOURS _____ RATE _____ HOURS W/D PIPE 12

DATAWORK RECORD										
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
									2 1/2	5 x 12
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		JILDER - FINEMAN		
		FACTO		1675				FINEMAN DEEW		
								DRILLER'S SIGNATURE		

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PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME B. K. Holt - Co. 24 HOUR PERIOD ENDING AT MIDNIGHT Jan 25 1962
 LEASE NAME T. J. River WELL NO. A-1 FIELD V. 1/2

FIRST TOUR FROM 12:00 M. TO 6:00 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	1:00	Mount	1150		High Service
1:00	5:00				Work on pipe line
5:00	6:00	Trans			Run in hole
6:00	6:00	Run			Run in hole
					6 3/4 STD 17 1/2
					17 D.C.

DAYWORK: HOURS 8 RATE Rel HOURS 5 1/2 RATE Rel HOURS W/D PIPE 2 1/2

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							25	12 1/4	OSC-16-56435
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		DRILLER'S SIGNATURE	
		Eastco		4400		1 1/2		B. K. Holt	

SECOND TOUR FROM 8:00 M. TO 4:00 P. M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	Mount			Run in hole
8:15	10:45	Run			Run in hole
10:45	3:30	Drill	6450	6485	Drill in hole
3:30	4:00	Repair			Repair valve space
					6 3/4 STD 17 1/2
					String in 13 1/2

DAYWORK: HOURS 8 RATE Rel HOURS 12 RATE Rel HOURS W/D PIPE 2

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
400	Beh	1:15	10.2	16.4	8.8	7.2	25	12 1/2	OSC-16-56435
10	Discose Reg								
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		DRILLER'S SIGNATURE	
								B. K. Holt	

THIRD TOUR FROM M. TO M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	Repair			Run in hole
4:15	5:00	Rep.			Run in hole
5:00	12:00	Drill	6495	6550	Drill in hole
					6 3/4 STD 17 1/2
					String in 13 1/2

DAYWORK: HOURS 8 RATE Rel HOURS 3 1/2 RATE Rel HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
25	2515005F	2:00	10.2	13.2	7.8	7.5	25	12 1/2	OSC-16-56435
10	Beh		10.3	15.5	7.8	7.5			
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		DRILLER'S SIGNATURE	
								B. K. Holt	

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PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 210 CONTRACTOR'S NAME Frankford 1216 24 HOUR PERIOD ENDING AT MIDNIGHT Jan 24 1962
 LEASE NAME Telam River WELL NO. A 1 FIELD N.O.T.

FIRST TOUR FROM 12:00 M. TO 2:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:10	Point	6267		Rig Service
12:10	12:15	Drilling	6430		Well 12 1/2 hole
12:15	12:18	Survey	6430		Survey
12:18		Truck			Truck + car out

DAYWORK: HOURS 8 RATE 0 HOURS 0 RATE 0 HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
1000	GEL.	10	115	115	60	25	24	12 1/2	DT-2G 20329
		500	145	137	60	35			
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF					
		Proct-o	6400	13 1/2	Railer & Fireman 2 hrs				
					3 min				
					DRILLER'S SIGNATURE <u>D.E. Kintner</u>				

SECOND TOUR FROM 8:00 A.M. TO 1:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	Point	6450		Rig Service
8:15	10:45	TRIP			FINISH TRIP OUT
10:45	11:00				Check 330 ft
11:00	12:30	TRIP			Run in 20 ft
12:30	1:00	Drilling			Setting 22 ft, long 52 ft 6 to 8 lines
					6350 1 inch 1700 Temp @ 800 - 74°
					Single show 20 3162 TS 5 1/2

DAYWORK: HOURS 8 RATE 0 HOURS 0 RATE 0 HOURS W/D PIPE 7 3/4

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							25	12 1/2	MTC 56435
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF					
		Eastco	6450	9 1/2	Railer & Fireman 8 hrs				
					4 man crew				
					DRILLER'S SIGNATURE <u>John C. Johnson</u>				

THIRD TOUR FROM 7:00 A.M. TO 12:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
7:00	7:15				Rig Service
7:15	7:00				FINISH STAIN 8 LINES
7:00	7:15				CHANGE HIGH CHAM IN DRAW 1100
7:15	7:45				RUN IN D.P.
7:45	12:00				WORK ON D.R. LINE

DAYWORK: HOURS 8 RATE ND HOURS 5 1/2 RATE 0.50 HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							25	12 1/2	MTC 56435
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF					
					Railer & Fireman 9 hrs				
					4 man crew				
					DRILLER'S SIGNATURE <u>John C. Johnson</u>				

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PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 200 CONTRACTOR'S NAME Frank E. Dwyer 24 HOUR PERIOD ENDING AT MIDNIGHT Jan 23 1960
 LEASE NAME Indian River WELL NO. 2-1 FIELD N. W. T.

FIRST TOUR FROM 12:00 M. TO 2:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:15	Start	624		Big Service
12:15	12:30	Running			12 1/4" hole
12:30	12:45	Running	1226		12 1/4" hole
12:45	1:00	Running			12 1/4" hole
1:00	1:15	Running	1246		12 1/4" hole
1:15	1:30	Running			12 1/4" hole
1:30	1:45	Running			12 1/4" hole
1:45	2:00	Running			12 1/4" hole

DAYWORK: HOURS 8 1/4 RATE Day HOURS 3 1/2 RATE 4 HOURS W/D PIPE 2

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
100	Full	10.30	10.5	170	6.4	3/2	8.0	22	12 1/4	SC-16 78354
100	Full									
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		DRILLER'S SIGNATURE		
		Full		1220				D. S. Winter		

SECOND TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:30	9:30	Start			First Trip out
9:30	9:45	Running			Big Service 1 Hydrill Pipe + Blank Pipe
9:45	9:55	Running			Running w/120
9:55	9:45	Running			Stop 33' Drill Pipe
9:45	10:05	Running			TRIP w/120
10:05	11:15	Running	126	1294	DRILL W/13000 RPM 110 PSI 1100

FAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME Brinkerhoff D & S 24 HOUR PERIOD ENDING AT MIDNIGHT Jan 22 1962
LEASE NAME Island River WELL NO. A-1 FIELD 1000

FIRST TOUR FROM 12 00 M. TO 2 00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:05	17 cont.	12040		K.O. Service. Check Hydraul
12:05	2:00	Drilled			121, 111 12 1/2" hole
2:00	3:00	Survey			Survey
3:00	4:00	17 cont.			TRIP ? Kit
					5 1/2 sld. dupo
					17 D.S.

DAYWORK: HOURS 8 RATE 2.00 HOURS RATE HOURS W/D PIPE 2

QUANTITY	MUD MATERIAL ADDED	TIME	W".	VIS.	FL. LOSS	CAKE	TH.	BIT NO.	SIZE	KIND
COF	CASTLE	200	101	150	2.4	4	5.5	22	12 1/4	Y11-A "0.5423
1000	Q.X			TRIP						
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Baker-Turner 8 hrs 3 man s		
		6070		1 1/4						
								DRILLER'S SIGNATURE D. O. Hines		

SECOND TOUR FROM 8:00 P.M. TO 11:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	TRIP			FLUSH TRIP FOR B.T
8:15	8:45	MAINT			REG. SERVICE WORK ON HYDRAULIC LINE
8:45	1:00	DRILL	6072	6146	FROM SHUTTER UNIT TO BOP, V. Kelly Cook.
8:45	1:00				DRILL @ 130000 RPM 110 PSI 1100
					STANDING @ 170000
					60 STD 17 DC Temp @ 800 PM + 29

DAYWORK: HOURS 8 RATE 2.14 HOURS _____ RATE _____ HOURS W/D PIPE 7 1/2

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
200	CEL	900	102	772	6.5	32	23	12 1/4	HFC CASE-16 983524
175	DRISCOSE	128	101	149	8.0	32			
900	Q-Z								
50	CP40 TIC								
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF			
									Barber w/ SPENTAN 8 hrs
									4 man CREW +
							DRILLER'S SIGNATURE		11 11 11

THIRD TOUR FROM 7 M. TO 4 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4	415				Pig Spacing
405	505		6140	6152	DALG
505	605				WORK ON B.O.P.
605	725		6153	6214	DALG
					61 STD 1700

DAYWORK: HOURS 8.5 RATE 2.00 HOURS 1/2 RATE 2.00 HOURS W/D PIPE 2

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PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME Franklin T & D Co 24 HOUR PERIOD ENDING AT MIDNIGHT Jan 21 1962
 LEASE NAME Land Kolor WELL NO. 11-1 FIELD N.W. 7

FIRST TOUR FROM 12:00 M. TO 2:00 AM.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:15	Mount	5117		Big Service
12:15	12:30	Mount			Finish at 12:15
12:30	12:45	Mount			1/4" 12 1/4" 1/2"
12:45	1:00	Mount			1/4" 12 1/4" 1/2"
1:00	1:15	Mount			1/4" 12 1/4" 1/2"
1:15	1:30	Mount			1/4" 12 1/4" 1/2"
1:30	1:45	Mount			1/4" 12 1/4" 1/2"
1:45	2:00	Mount			1/4" 12 1/4" 1/2"

DAYWORK: HOURS 8 RATE 174.00 HOURS 114 RATE 1-24.00 HOURS W/D PIPE 674

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							22	12 1/4	YT 1-A 1-11
									115423
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		DRILLER'S SIGNATURE	
				3/4		5790		3000 5	
								D. C. 11-7-62	

SECOND TOUR FROM 8:00 AM. TO 4:00 PM.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	TRIP			FINISH TRIP IN
8:15	8:30	TRIP			Big Service
8:30	8:45	TRIP			Cut + Clean 40' to Bottom
8:45	9:00	TRIP			DRAG w/ 3000 RPM 115 PSI 1100
9:00	9:15	TRIP			58 STD 27 D.C. Temp @ 800AM +10'

DAYWORK: HOURS 8 RATE DRL HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
50	DRISCOSE	1:00	102.255	7.2	3/2	8	22	12 1/4	YT 1-A 015423
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		DRILLER'S SIGNATURE	
				3/4		5790		Baker & Fireman 8:15	
								Amari Chid + 115423	
								John S. Johnson	

THIRD TOUR FROM 4:00 PM. TO 12:00 AM.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	Mount	574		Big Service
4:15	4:30	Mount	6040		1/4" 12 1/4" 1/2"
4:30	4:45	Mount			1/4" 12 1/4" 1/2"
4:45	5:00	Mount			1/4" 12 1/4" 1/2"
5:00	5:15	Mount			1/4" 12 1/4" 1/2"
5:15	5:30	Mount			1/4" 12 1/4" 1/2"
5:30	5:45	Mount			1/4" 12 1/4" 1/2"
5:45	6:00	Mount			1/4" 12 1/4" 1/2"

DAYWORK: HOURS 8 RATE DRL HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
3000#	GEL	6.30	102	195	2.6	32	8.0	22	12 1/4	YT1-A
250#	DRISCOSE	11.11	102	105	7.5	32	8.0			015423
40#	Caustic	DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Baker & Fireman 8:15		
100#	Q X			5790		3/4		Baker & Fireman 8:15		
								DRILLER'S SIGNATURE		

APPROVED: John S. Johnson
PAN AMERICAN REPRESENTATIVEAPPROVED: John S. Johnson
CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 60 CONTRACTOR'S NAME BRINKERHOFF DRILL 24 HOUR PERIOD ENDING AT MIDNIGHT Jan 20 1962
LEASE NAME Pan Am Island River WELL NO. A-1 FIELD _____

FIRST TOUR FROM 12:00 M. TO 1:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
1500	1605	Drill	500	500	Intermittent Rain in TTS Service
1715	1600				Wait to Run in } Wait on 2nd shot
1715	1645	Turn			Run in 2 1/2" bit extension 2 1/2" skirt.
1715	1600				Circulate 25' above fish.
					TOP OF FISH 5472

DAYWORK: HOURS 3 RATE _____ HOURS 4 RATE 110.00 Per Hr HOURS W/D PIPE 4

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							21	7 1/2	500.00
									H.R. 460577
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Bentonite Slurries 1/4 in	
				5790		40		3 m 1/2	
						DRILLER'S SIGNATURE		P. J. Turner.	

SECOND TOUR FROM 8:00 M. TO 1:00 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	Mud	5897	5897	Kid Service Check individual components OK.
8:15	8:30	Circulate			Circulate - 30' - 40' Above Fish.
8:30	8:45	Trip			Run Out.
8:45	9:00	V.E. gun			Check Shot & Bams. OK.
9:00	9:15				Pick Up Fishing Line
					FISHING STRINGS - 5 1/2" x 56 ft w/ body extension 56 ft Gage.
					Drop 2 SGR's - 10 - 6 1/2" D.C. 5 1/2" STDS D.M.

DAYWORK: HOURS 8 RATE DRL HOURS _____ RATE _____ HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	P.H.	BIT NO.	SIZE	KIND
10.00	GEL.	10.0	10.2	140	5.0	2.2	3.0			
7.5	DRIS COSE.									
		DEVIATION INSTRUMENT			DEPTH		DEGREES OFF	Koller & Hirschman & Co.		
								DRILLER'S SIGNATURE		

THIRD TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	start	550	550	By Service
4:15	5:00				Pickup & make up fishing tool
5:00	7:00	Run			Run in w/ fishing tool
7:00	8:00	Fishing			Cure & hook onto fish
8:00	8:30	Cure			Cure through fish.
8:30					

DAYWORK: HOURS 8 RATE DRL HOURS _____ RATE _____ HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		S-F NO.	SIZE	KIND
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	Bore hole w/ FIRE 7 Apr 80 3 1/2" 7" 0.5" x DRILLER'S SIGNATURE					
			5790	74						

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PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER _____ CONTRACTOR'S NAME JOINT RENT 24 HOUR PERIOD
ENDING AT MIDNIGHT _____ 19 _____

LEASE NAME JOINT RENT WELL NO. 101 FIELD 101

FIRST TOUR FROM 4 M. TO 5 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
2:22	2:15	SCR.		5889	RIG
2:15	"	FISHING			FISHING WITH
	1-1	TRIP			FULL 42 STD. OUT OF HOLE
2:00		Repair			WAIT ON WELDER TO WELD
					TANK DRAIN
					8 1/2' o/s/1st 11 5/8" GRAPPLE w/ BENT SGL COULD NOT CATCH FISH.

DAYWORK: HOURS 3 RATE POAIR HOURS 1 1/2 RATE DICL HOURS W/D PIPE 1 1/2

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		3 1/2" x 1 1/2" x 1 1/2" x 1 1/2"	
				5675		1/2		MUD CEMENT	
								DRILLER'S SIGNATURE	

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN M.D. ETC.
FROM	TO		FROM	TO	
8:15	17:45	17:45	5889	5889	King Service
9:30	17:45	17:45			Finish cut of hole
11:30					1st 1/2 fishing - 1st 5 min - 1st bent
					about 100 ft over shot
1:00					2nd 1/2 fishing - 1st 5 min - 1st bent
1:30					about 100 ft over shot
4:00					2nd 1/2 fishing - 1st 5 min - 1st bent
4:00					about 100 ft over shot

DAYWORK: HOURS 2 RATE W/O PIPE HOURS 2 1/2 RATE DEL HOURS W/D PIPE 2 1/2

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
								0188	12 1/4	S - c S - H
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Rough Fireman's		
				5675				100 ft / 100 ft		
								DRILLER'S SIGNATURE		

THIRD TOUR FROM 400 P M. TO 1200 M. N

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
100	1415	point		5839	Rig Size R NICE
315	1000	Cia			C-20, 6' to 10' Volume + Corrosion mud
700	1700	Thy?			TIR, 2 OUT TO COLLARS
					WAIT ON 10% offshot extension.
					55 STD + 5 inch 16 DE TENG DITH #

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

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APPROVED _____ CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER _____ CONTRACTOR'S NAME NEW TANK 24 HOUR PERIOD
ENDING AT MIDNIGHT _____ 19____

LEASE NAME AND OTHER WELL NO. 101 FIELD 110

FIRST TOUR FROM 12 M. TO 1 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
		Secured	5289		Service } CLEAN 4075 ft w/12 1/4 bit
		Circ			
		Trip			
		Hole tests			
		Trip			

DAYWORK: HOURS 2 RATE DEL HOURS _____ RATE _____ HOURS W/D PIPE 2

DATUM WORK: HOURS										DATE		TIME		KIND	
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE						
10	FL	12 50	11.2	4	1.3	72		21	12 1/4	Sec 5-4 460577					
5	DRILL MUD														
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		WILEY 4 FIRE ARMS							
				5675		1/8		JOHN CREW							
								DRILLER'S SIGNATURE J. J. J.							

SECOND TOUR FROM 8:00 A.M. TO 12:00 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	Waint	5226	5889	Big Service
8:15	9:30	Trip			Finish in hole
9:30	11:00	Fishing			Fishing w/Homco
					TOP OF FISH 5478.

DAYWORK: HOURS 8 RATE 221 HOURS _____ RATE _____ HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
200 lbs	Gel								
100 lbs	D-Isosoz								
100 lbs	Caustic	DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Ripon & Finnerman 8 hrs.	
100 lbs	R.X.			5675		1/8		Horse Island Cement	
								DRILLER'S SIGNATURE: [Signature]	

THIRD TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS. OIL OR GAS SHOW IN MUD. ETC.
FROM	TO		FROM	TO	
2:00	4:15	moist			5889 RIG SERVICE
4:15	1:15	TRIP			TRIP OUT w/ Fishing Tool
6:15	9:45	TRIP			RE-Design Fishing Tool
7:45	1:15	TRIP			TRIP IN w/ Fishing Tool
11:00	11:00	Cure			CURE TO FISH
12:00	12:00	Fishing			Fishing w/ Horn 60' BENT SGL ABOVE slot

DAYWORK: HOURS 8 RATE \$24.00 HOURS 10 RATE \$15.00 HOURS W/D PIPE 2

[illegible]

APPROVED *[Signature]*
PAN AMERICAN REPRESENTATIVE

APPROVED _____
CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME WILLIAMSON & SONS 24 HOUR PERIOD ENDING AT MIDNIGHT JAN 12 1960
 LEASE NAME W-117 WELL NO. 1 FIELD W-117

FIRST TOUR FROM 12 AM. TO 3 PM.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12 ⁰⁰	12 ⁰⁵		5839		WICK UP D/C 10-6 1/2" DC - 2274B
12 ⁰⁵	12 ¹⁰				WICK UP D/C 10-6 1/2" DC - 2274B
12 ¹⁰	12 ¹⁵				WICK UP D/C 10-6 1/2" DC - 2274B
12 ¹⁵	12 ²⁰				WICK UP D/C 10-6 1/2" DC - 2274B
12 ²⁰	12 ²⁵				WICK UP D/C 10-6 1/2" DC - 2274B
12 ²⁵	12 ³⁰				WICK UP D/C 10-6 1/2" DC - 2274B
12 ³⁰	12 ³⁵				WICK UP D/C 10-6 1/2" DC - 2274B
12 ³⁵	12 ⁴⁰				WICK UP D/C 10-6 1/2" DC - 2274B
12 ⁴⁰	12 ⁴⁵				WICK UP D/C 10-6 1/2" DC - 2274B
12 ⁴⁵	12 ⁵⁰				WICK UP D/C 10-6 1/2" DC - 2274B
12 ⁵⁰	12 ⁵⁵				WICK UP D/C 10-6 1/2" DC - 2274B
12 ⁵⁵	1 ⁰⁰				WICK UP D/C 10-6 1/2" DC - 2274B
1 ⁰⁰	1 ⁰⁵				WICK UP D/C 10-6 1/2" DC - 2274B
1 ⁰⁵	1 ¹⁰				WICK UP D/C 10-6 1/2" DC - 2274B
1 ¹⁰	1 ¹⁵				WICK UP D/C 10-6 1/2" DC - 2274B
1 ¹⁵	1 ²⁰				WICK UP D/C 10-6 1/2" DC - 2274B
1 ²⁰	1 ²⁵				WICK UP D/C 10-6 1/2" DC - 2274B
1 ²⁵	1 ³⁰				WICK UP D/C 10-6 1/2" DC - 2274B
1 ³⁰	1 ³⁵				WICK UP D/C 10-6 1/2" DC - 2274B
1 ³⁵	1 ⁴⁰				WICK UP D/C 10-6 1/2" DC - 2274B
1 ⁴⁰	1 ⁴⁵				WICK UP D/C 10-6 1/2" DC - 2274B
1 ⁴⁵	1 ⁵⁰				WICK UP D/C 10-6 1/2" DC - 2274B
1 ⁵⁰	1 ⁵⁵				WICK UP D/C 10-6 1/2" DC - 2274B
1 ⁵⁵	2 ⁰⁰				WICK UP D/C 10-6 1/2" DC - 2274B
2 ⁰⁰	2 ⁰⁵				WICK UP D/C 10-6 1/2" DC - 2274B
2 ⁰⁵	2 ¹⁰				WICK UP D/C 10-6 1/2" DC - 2274B
2 ¹⁰	2 ¹⁵				WICK UP D/C 10-6 1/2" DC - 2274B
2 ¹⁵	2 ²⁰				WICK UP D/C 10-6 1/2" DC - 2274B
2 ²⁰	2 ²⁵				WICK UP D/C 10-6 1/2" DC - 2274B
2 ²⁵	2 ³⁰				WICK UP D/C 10-6 1/2" DC - 2274B
2 ³⁰	2 ³⁵				WICK UP D/C 10-6 1/2" DC - 2274B
2 ³⁵	2 ⁴⁰				WICK UP D/C 10-6 1/2" DC - 2274B
2 ⁴⁰	2 ⁴⁵				WICK UP D/C 10-6 1/2" DC - 2274B
2 ⁴⁵	2 ⁵⁰				WICK UP D/C 10-6 1/2" DC - 2274B
2 ⁵⁰	2 ⁵⁵				WICK UP D/C 10-6 1/2" DC - 2274B
2 ⁵⁵	3 ⁰⁰				WICK UP D/C 10-6 1/2" DC - 2274B
3 ⁰⁰	3 ⁰⁵				WICK UP D/C 10-6 1/2" DC - 2274B
3 ⁰⁵	3 ¹⁰				WICK UP D/C 10-6 1/2" DC - 2274B
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3 ¹⁵	3 ²⁰				WICK UP D/C 10-6 1/2" DC - 2274B
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3 ³⁵	3 ⁴⁰				WICK UP D/C 10-6 1/2" DC - 2274B
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3 ⁴⁵	3 ⁵⁰				WICK UP D/C 10-6 1/2" DC - 2274B
3 ⁵⁰	3 ⁵⁵				WICK UP D/C 10-6 1/2" DC - 2274B
3 ⁵⁵	4 ⁰⁰				WICK UP D/C 10-6 1/2" DC - 2274B
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4 ⁵⁰	4 ⁵⁵				WICK UP D/C 10-6 1/2" DC - 2274B
4 ⁵⁵	5 ⁰⁰				WICK UP D/C 10-6 1/2" DC - 2274B
5 ⁰⁰	5 ⁰⁵				WICK UP D/C 10-6 1/2" DC - 2274B
5 ⁰⁵	5 ¹⁰				WICK UP D/C 10-6 1/2" DC - 2274B
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6 ⁵⁵	7 ⁰⁰				WICK UP D/C 10-6 1/2" DC - 2274B
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7 ⁵⁵	8 ⁰⁰				WICK UP D/C 10-6 1/2" DC - 2274B
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11 ⁴⁵	11 ⁵⁰				WICK UP D/C 10-6 1/2" DC - 2274B
11 ⁵⁰	11 ⁵⁵				WICK UP D/C 10-6 1/2" DC - 2274B
11 ⁵⁵	12 ⁰⁰				WICK UP D/C 10-6 1/2" DC - 2274B

SECOND TOUR FROM 8:00 AM. TO 1:00 PM.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	mant	5839		H. & S. Service FISH AT 5478
8:15	9:00	Tip			Break in w/ Fishing Line
9:00	10:30	Circ.			Circulate on Bridge 3rd Hole Fish
10:30	11:00	Tip			Pull out
11:00	2:30	Tip			lay down Fishing Line run in 11:00
2:30	3:00	mant			cut 100' slip 35' line
3:00	4:00				Run in w/ bit #21
DAYWORK: HOURS <u>6</u>		RATE <u>2.00</u>		HOURS <u>6</u>	
RATE <u>2.00</u>		HOURS <u>6</u>		RATE <u>2.00</u>	
HOURS <u>6</u>		RATE <u>2.00</u>		HOURS <u>6</u>	
RATE <u>2.00</u>		HOURS <u>6</u>		RATE <u>2.00</u>	
HOURS <u>6</u>		RATE <u>2.00</u>		HOURS <u>6</u>	
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HOURS <u>6</u>		RATE <u>2.00</u>		HOURS <u>6</u>	
RATE <u>2.00</u>		HOURS <u>6</u>		RATE <u>2.00</u>	
HOURS <u>6</u>		RATE <u>2.00</u>		HOURS <u>6</u>	
RATE <u>2.00</u>		HOURS <u>6</u>		RATE <u>2.00</u>	
HOURS <u>6</u>		RATE <u>2.00</u>		HOURS <u>6</u>	
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HOURS <u>6</u>		RATE <u>2.00</u>		HOURS <u>6</u>	
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HOURS <u>6</u>		RATE <u>2.00</u>		HOURS <u>6</u>	
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RATE <u>2.00</u>		HOURS <u>6</u>		RATE <u>2.00</u>	
HOURS <u>6</u>		RATE <u>2.00</u>		HOURS <u>6</u>	
RATE <u>2.00</u>		HOURS <u>6</u>		RATE <u>2.00</u>	
HOURS <u>6</u>		RATE <u>2.00</u>		HOURS <u>6</u>	
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HOURS <u>6</u>		RATE <u>2.00</u>		HOURS <u>6</u>	
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HOURS <u>6</u>		RATE <u>2.00</u>		HOURS <u>6</u>	
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HOURS <u>6</u>		RATE <u>2.00</u>		HOURS <u>6</u>	
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RATE <u>2.00</u>		HOURS <u>6</u>		RATE <u>2.00</u>	
HOURS <u>6</u>		RATE <u>2.00</u>		HOURS <u>6</u>	
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HOURS <u>6</u>		RATE <u>2.00</u>		HOURS <u>6</u>	
RATE <u>2.00</u>		HOURS <u>6</u>		RATE <u>2.00</u>	
HOURS <u>6</u>		RATE <u>2.00</u>		HOURS <u>6</u>	
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HOURS <u>6</u>		RATE <u>2.00</u>		HOURS <u>6</u>	
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HOURS <u>6</u>		RATE <u>2.00</u>		HOURS <u>6</u>	
RATE <u>2.00</u>		HOURS <u>6</u>		RATE <u>2.00</u>	
HOURS <u>6</u>		RATE <u>2.00</u>			

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME SAINT JOHN 24 HOUR PERIOD ENDING AT MIDNIGHT 7/24/60
 LEASE NAME SAAND RIVER WELL NO. 4-1 FIELD W-2

FIRST TOUR FROM 12 A.M. TO 7 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:30				WELL ON AIR COMP REGULATOR
12:30	1:00				WELL SERVICE
1:00	1:30				WELL SERVICE

DAYWORK: HOURS 3 RATE DRL HOURS 3 RATE DRL HOURS W/D PIPE 3

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
10.00	DRILL	12:00	105	110	6.2	4.5	20	12 1/4	SMITH DT	27452
3.00	R.X.	330	105	110	50	4.5	20			

DEVIATION INSTRUMENT DEPTH DEGREES OFF

5770 3/4

DRILLER'S SIGNATURE

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	Maing	5838		Big Service
8:15	8:30	Drilled	5877		Drilling
8:30	8:45	Drilled	5889		Twisted and irregular - S.M. & M. d.

58 1/2 STD. D.P.
141 D.C.

DAYWORK: HOURS 3 RATE DRL HOURS 3 RATE DRL HOURS W/D PIPE 3

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	RH	BIT NO.	SIZE	KIND
10.00	G.L.	10:00	105	110	6.2	4.5	20	12 1/4	Smith DT	
3.00	R.X.	330	105	110	50	4.5	20			27452

DEVIATION INSTRUMENT DEPTH DEGREES OFF

5770 3/4

DRILLER'S SIGNATURE

THIRD TOUR FROM 4:00 P.M. TO 6:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	7:00	Set	5889		Circ Hole To Fish Circ 30' Above
7:00	10:00	TRIP OUT			FISH
10:00	11:00	TRIP IN			Pick up 6 1/2 DR. L. COLLARS

DAYWORK: HOURS 2 RATE DRL HOURS 2 RATE DRL HOURS W/D PIPE 6

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
								20	12 1/4	STC. DR 27

DEVIATION INSTRUMENT DEPTH DEGREES OFF

DRILLER'S SIGNATURE

APPROVED W. H. M. L. H. PAN AMERICAN REPRESENTATIVE

APPROVED W. H. M. L. H. CONTRACTOR REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 10 CONTRACTOR'S NAME SINKER & SONS 24 HOUR PERIOD ENDING AT MIDNIGHT 12 1960
 LEASE NAME ISLAND RIVER WELL NO. 4-1 FIELD W/C

FIRST TOUR FROM 12 AM. TO 2 PM.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12 ⁰⁰	2 ⁰⁰	DRLG	5713	5729	
2 ⁰⁰	2 ¹⁵	RIG SERVICE			
2 ¹⁵	2 ³⁰	DRLG	5729	5761	
					57 STD. 14 DRLG

DAYWORK: HOURS 8 RATE DRL HOURS 8 RATE DRL HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
100 ⁰⁰	DRLG	11.5	110	6.2			19	12 ¹ / ₂	5-10/64 74
200 ⁰⁰	DRLG	0	6.5	142	6.0	32			
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF	DRILLER'S SIGNATURE			
		FAST		6675	2 1/2	5 MAR 1960			

SECOND TOUR FROM 2 PM. TO 1 PM.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
2 ⁰⁰	2 ¹⁵	Manit	5761		Rig Service.
2 ¹⁵	2 ³⁰	DRLG	5761	5790	Drill 12 1/2 hole.
2 ³⁰	2 ⁴⁵	Manit	5790		Drill
2 ⁴⁵	3 ⁰⁰	Manit			Third Con. Bit. Tight 5 ft @ H 770
					57 1/3 STD. D.R.
					14 D.R.

DAYWORK: HOURS 8 RATE DRL HOURS 8 RATE DRL HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		11.00	105	156	6.0	432	85	19	12 ¹ / ₂ 5-10/64 74
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF	DRILLER'S SIGNATURE			
		FAST		6675	2 1/2	5 MAR 1960			

THIRD TOUR FROM 1 PM. TO 1 PM.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4 ⁰⁰	4 ³⁰	TRIP			Finish Trip out 57 STD 15 1/2 H 770
4 ³⁰	4 ⁴⁵	Manit			Rig Service
4 ⁴⁵	5 ¹⁵	Manit			Temp @ 4 1/2 ft
5 ¹⁵	9 ⁰⁰	TRIP			Shut 33' Drilling leave
9 ⁰⁰	10 ⁰⁰	Manit			Run in w/ B.T.
10 ⁰⁰	11 ⁰⁰	Manit			The Place Low Change
11 ⁰⁰	11 ³⁰	Manit	5790	5794	Drill w/ 20 1/2 180 RPM 11 1/2 ft
11 ³⁰	12 ⁰⁰	Manit	5794	5795	W/ pump
					DRILLER'S SIGNATURE

DAYWORK: HOURS 8 RATE DRL HOURS 1 RATE W/ PUMP HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							20	12 ¹ / ₂	Smith DT 27452
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF	DRILLER'S SIGNATURE			
		FAST				5 MAR 1960			

APPROVED W. Mack PAN AMERICAN REPRESENTATIVE

APPROVED W. Mack CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF 24 HOUR PERIOD ENDING AT MIDNIGHT JAN 14 1952
LEASE NAME LEONARD RIVER WELL NO. A-1 FIELD W/10

FIRST TOUR FROM 12:00 A.M. TO 5:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:15	12:45	MAINT.			W/ SERVO
12:45	3:45	DRILL			DRILLING W/ 1500 RPM 1100 PSI
3:45	4:00	CIRC	5641		CIRC CORR HOLE FOR TRIP
4:00	4:30	SURVEY			SURVEY
4:30	5:00	TRIP			HOIST TO 5017 - BRIDGED HOLE
5:00		TRIP			CIRC & DRAG UP THROUGH TITE SPOT 5017-5005'

DAYWORK: HOURS 2 RATE 20.19 HOURS 2 RATE 20.19 HOURS W/D PIPE 3

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH.	BIT NO.	SIZE	KIND
20*	CAUSTIC	3:00 PM 124	148	5.0	3/4		8.9/18	12/14	15016	43155
50*	QF									
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF	DRILLER'S SIGNATURE				
		EAST		5506	1	HOLLER & FIREMAN 8 HRS				
		EAST		5675		50001 CREW				

SECOND TOUR FROM 5:00 A.M. TO 1:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	12:00	T.O.	3690		DRILL CUT - TIGHT HOLE
12:00	12:15	MAINT			R. & S. SERVICE
12:15	1:00	TRIP			RUN IN DRILL COLLARS
1:00		MAINT.			W/ 1000 P.O.P. CONTROL UNIT
					56 1/2 to D.P.
					W/ 1000 P.O.P. COLLARS

DAYWORK: HOURS 3 RATE 20.19 HOURS 2 3/4 RATE 20.19 HOURS W/D PIPE 7 3/4

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH.	BIT NO.	SIZE	KIND
								19	12/14	C.P. 53-10
										164674
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF	DRILLER'S SIGNATURE				
		EAST		5675	0	HOLLER & FIREMAN 8 HRS				

THIRD TOUR FROM 4:00 P.M. TO 12:00 M.N.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:30				W/ 1200 P.O.P. CONTROL UNIT
4:30	4:45	MAINT			R. & S. SERVICE
4:45	6:30	TRIP			TRIP IN HOLE (TRIP IN GOOD 4' FILL)
6:30	12:00	DRILL	5641 5713		DRILL W/ 38000 RPM 120 PSI 1100

DAYWORK: HOURS 8 RATE 20.19 HOURS 3 1/2 RATE 20.19 HOURS W/D PIPE 14 1/2

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH.	BIT NO.	SIZE	KIND
50*	CHISEL	8:00	165	170	62	3/2	8	19	12/14	C.P. 53-10 164674
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF	DRILLER'S SIGNATURE				
						BOILER W/ FIREMAN 8 HRS				
						CREW				

APPROVED [Signature] PAN AMERICAN REPRESENTATIVE

APPROVED [Signature] CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME Robert King H. K. Filler 24 HOUR PERIOD ENDING AT MIDNIGHT Jan 13 1962
LEASE NAME Palom Island Tract WELL NO. D-1 FIELD

FIRST TOUR FROM 1200 M. TO 500 A.M.

[illegible]

DAYWORK: HOURS 6 RATE 12.50 HOURS RATE HOURS W/D PIPE

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
2000	Gel	1'00	10.7	150	5.1	3/2	8.8	19	12 1/4	HIP 610-10 H3135
50	Dry scale	2'15	10.4	125	5.0	3/2	8.5			
30	Caustic									BOILER W/ FIRE MAN THE
50	G X									c 3 Man CRAN +
										DRILLER'S SIGNATURE John C. ...

SECOND TOUR FROM 9:00 A.M. TO 4:00 P.M.

[illegible]

DAYWORK: HOURS 8 RATE 2.00 HOURS RATE HOURS W/D PIPE 0

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
150#	C.E.L.	10.00	10.7	10.5	5.4	3/4	8.5	18	12 1/2	HTE 05216
100#	DAISCOSE	2.00	10.5	162	612	3/4	8.5			
20#	CAUSTIC	DEVIATION INSTRUMENT			DEPTH		DEGREES OFF		DRILLER'S SIGNATURE 11/20/41	
100#	G X	EAST.			5500		1°			

THIRD TOUR FROM 4:00 P. M. TO 12:00 M. N.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4/15	4/15	Moist	5620		Rip & Screen
4/15	12.00	Drilling		5640	12 1/4" hole
					50 strands size
					14 drill on string

DAYWORK: HOURS 2 RATE 1.26 HOURS _____ RATE _____ HOURS W/D PIPE 1

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	RH.	BIT NO.	SIZE	KIND
2.000	GFL	6.00	10.5	142	1.2	3/32	30	18	12 1/2	OSC-1G 4 1/2" 5-5"
5.00	DRIST-SE	16.00	10.5	163	5.8	3/32	30			
		DEVIATION INSTRUMENT			DEPTH		DEGREES OFF		Bore hole is in line with the	
		Eoster			5500		1		3 man 5'	
								DRILLER'S SIGNATURE D. E. K. inter		

APPROVED

PAN AMERICAN REPRESENTATIVE

APPROVED

CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF DRILLING 24 HOUR PERIOD JAN 12 1962
ENDING AT MIDNIGHT
LEASE NAME Pan Am Island RIVER WELL NO. B-1 FIELD .

FIRST TOUR FROM 1200 M. TO 840 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
1200	1215	MAINT			FIG SERVICE
1215	800	DRILL	5384	5450	DRILL w/40000 RPM 185 PSI 1100
					53 SINS 25-150 11 D.C. T-2 1200 mtd + 120

DAYWORK: HOURS 0 RATE DELY. HOURS _____ RATE _____ HOURS W/D PIPE 0

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
74.00	Gel.	12 ⁴⁵	10.3	136	5.5	1/2 8.5	17	12 1/4	C.P. ES-40 164476
14.0	T.R.S.O. & E	7 ⁰⁰	10.1	132	5.6	1/2 8.5			
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	BOILER W/FIREMAN 8 HRS DR MAN CREW + DRILLER'S SIGNATURE J. M. T. Millett				

SECOND TOUR FROM 7:30 M. TO 4:00 M.

[illegible]

DAYWORK: HOURS 0 RATE DELY. HOURS 1 RATE 1 HOURS W/D PIPE 0

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	TL LOSS	CAKE	AH	BIT NO.	SIZE	KIND
			10.4	175	5.6	3/32	8.5	17	12 1/4	CPEST-O 11.46 TL
			13.4	142	5.6	3/32	8.5			
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	BUILT UP FIREMAN XNRS.					
		EAST	5345	1°	MANCREW. 2 LENSE HANDS					
								DRILLER'S SIGNATURE	1.4.11	

THIRD TOUR FROM 4:00 P. M. TO 2:00 P. M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	5:15	Drilling	550	5506	Drill 12 1/2" hole.
5:15	6:15	Circulate	5506		Circulate - Lost on hole. For trip
6:15	6:30	Survey			Deviation Survey & log service
6:30	7:00	Trip			Trips lost bit #17
7:00	9:15	Maint.			Check Blank Runns.
9:15	11:30	Trip			Run in bit # 18. Clear 5' to bottom.
11:30	12:00	Drilling	5510		Drill 12 1/2" hole.

DAYWORK: HOURS 0 RATE 0.219 HOURS 0 RATE 0 HOURS W/D PIPE 0

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
15		T	R	1	P.		17	12 1/4	CP ES-10
18							18	12 1/4	HTC. OSC-16
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Bailer & Fireman	
		E-100		5481		1°		3' on E	
								DRILLER'S SIGNATURE	

APPROVED [Signature]
PAN AMERICAN REPRESENTATIVE

APPROVED [Signature]
CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF DRILLING 24 HOUR PERIOD ENDING AT MIDNIGHT JAN 11 1962
LEASE NAME ISLAND RIVER WELL NO. 17-1 FIELD

FIRST TOUR FROM 1200 MTO 800 AM.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
1200	1215	MAINT.			RIG SERVICE
1215	130	DRILL	5243	5258	DRILLING w/ 40000 RPM 200 PSI 1100
130	230				CHANGE WASH & PACKING IN SWIRL
230	500	DRILL	5258	5317	DRILLING.

52 ST 1 single 14DC Tena 21200 mml +25°

DAYWORK: HOURS 6 RATE 224 HOURS 18 RATE REPAIR HOURS W/D PIPE 7

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
1700	GEL	1245	10.3	128	5.7	3/2	7.5	16	12 1/4 Smith DT 27260
100	DRISCO 215								
30	CAUSTIC								
100	QX								
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF	DRILLER'S SIGNATURE			
						Bullied w/ FIREMAN 8 hrs 4 MAN CREW + DRILLER'S SIGNATURE <i>[Signature]</i>			

SECOND TOUR FROM 800 A.M. TO 400 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
800	1015	DRILL	5317		DRILL w/ 35,40000 170 RPM 1100 PSI
1015	1030	MAINT.			RIG SERV. CHECK HOLES
1030	1230	DRILL	5350		DRILL
1230	1245	SURVEY			SURVEY
1245	200	TRIP			HOIST HOLE TIGHT PIPE OUT 1 SINGLE 5020 TIGHT 5040-4300

DAYWORK: HOURS 8 RATE 224 HOURS 8 RATE 224 HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
200	GEL	10.0	4.5	136	5.9	4/32	16	12 1/4 DT 27260	
50	DRISCO 215								
30	CAUSTIC								
100	QX								
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF	DRILLER'S SIGNATURE			
		EAST.		5345	1	BOILER + FIREMAN 8 HRS. 4 MAN CREW + LEASE HAND DRILLER'S SIGNATURE <i>[Signature]</i>			

THIRD TOUR FROM 400 P.M. TO 1200 M.N.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	MAINT.	5350		RIG SERVICE
4:15	4:30	MAINT.			CHECK PLANK KAMS.
4:30	6:00	TRIP			RUN IN
6:00	8:15	RUN			RUN BUREAU FROM 4850 TO 5250 (1000 35' to 1000)
8:15	12:00	DRILLING	5384		DRILL 12 1/4 HOLE. 5384 to 5385 D.C.

DAYWORK: HOURS 8 RATE 224 HOURS 8 RATE 224 HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
1300	GEL						17	12 1/4 C.P. - F5-10	
50	DRISCO 215	11:00	11.3	160	5.5	4/32	8.5		11046 96
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF	DRILLER'S SIGNATURE			
		EAST.		5345	1°	Bullied w/ FIREMAN 8 HRS. 4 MAN CREW + DRILLER'S SIGNATURE <i>[Signature]</i>			

APPROVED U. Thach.
PAN AMERICAN REPRESENTATIVE

APPROVED [Signature]
CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOF DRILLING 24 HOUR PERIOD ENDING AT MIDNIGHT JAN 10 1962
 LEASE NAME Pan Am Island River WELL NO. A1 FIELD

FIRST TOUR FROM 12⁰⁰ M TO 8⁰⁰ A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12 ⁰⁰	12 ¹⁵	MAINT			RIG SERVICE
12 ¹⁵	1 ⁰⁰	DRILL	4996	5050	DRILL W/ 40000 RPN 170 11 ⁰⁰ PSI
1 ⁰⁰	1 ¹⁵	SURVEY			Survey
1 ¹⁵	8 ⁰⁰	TRIP			Hoist - Hole file TD - 4300

DAYWORK: HOURS 8 RATE DRY HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
1200	GEL	12 ⁴⁵	10.3	109	65	342	8	15	12 1/4 REEDYTS 412733
50	DRISCOSE								
30	CAUSTIC								
100	Q-X								
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF					
		East	5050	1/2	Boiler w/ FIRE MAN 8 hrs				
					4 MAN CREW +				
					DRILLER'S SIGNATURE <u>John S. Walker</u>				

SECOND TOUR FROM 8⁰⁰ A.M. TO 4⁰⁰ P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8 ⁰⁰	8 ¹⁵	MAINT			RIG SERV. CHECK HOSE
8 ¹⁵	10 ¹⁵	TRIP			Run N.
10 ¹⁵	10 ³⁰	HEAVY			CLEAN 12' to 15' M.
10 ³⁰	4 ⁰⁰	DRILL	5050	5123	DRILL 27000 180 RPM 1100 PSI

HOLE SLOUGHING
50/3500. 14 DCS.

DAYWORK: HOURS 8 RATE DRY HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
1200	GEL	11 ⁰⁰	10.2	99			16	12 1/4	DT-SWIM 27260
150	DRISCOSE	330	10.2	195					
100	Q-X								
30	CAUSTIC								
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF					
		East	5050	1/2	Boiler & FIREMAN 8 HRS.				
					4 MAN CREW + LEASE HAND.				
					DRILLER'S SIGNATURE <u>Walker</u>				

THIRD TOUR FROM 4⁰⁰ P.M. TO 12⁵⁰ A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4 ⁰⁰	4 ¹⁵	MAINT	5123		
4 ¹⁵	12 ⁵⁰	Drilling	5043		Drill 12 1/4" hole.

5 1/2 std pipe
1 1/2 d p p l h s

DAYWORK: HOURS 8 RATE DRY HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
2000	GEL	430	10.2	114			85	16	12 1/4 T 27260
1000	DRISCOSE	11.00	10.3	137			85		
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF					
		East	5050	1/2	Boiler & FIREMAN 8 HRS.				
					3 MAN CREW				
					DRILLER'S SIGNATURE <u>Walker</u>				

APPROVED Ed. Thack
PAN AMERICAN REPRESENTATIVE

APPROVED Walker
CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 11 CONTRACTOR'S NAME Franklin - Inc. 24 HOUR PERIOD ENDING AT MIDNIGHT Nov 1 1962
LEASE NAME Island River WELL NO. A-1 FIELD N. 11. T.

FIRST TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
1200	1215	TRIP			FINISH TRIP OUT
1215	1230	MAINT			Rig SERVICE
1230	1300				WIDENAPPER UNIT CHECK BLANK RAMS
1300	3:00	TRIP			TRIP IN W/IR
3:00	3:45	Clearing unit			CLEAN HO' TO BOTTOM
3:45	8:00	DRUG	4793	4927	DRUG w/30000 RPM 140 PSE 1100 47 STD 1400. TEMP @ 1200 - 24°

DAYWORK: HOURS 8 RATE DRUG HOURS 1 RATE REPAIR HOURS W/D PIPE 7

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
1300	GEL	200	10.3	101	6.0	1/2	8.5	15	12 1/4 REED YTS N12732
50	DRISCOSE								
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		DRILLER'S SIGNATURE	
		Euler		4793		1		Boiler Fireman 8 hrs 4 man CREW + John C. Nelson	

SECOND TOUR FROM 8:00 M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	9:30	DRUG	4827		DRUG
9:30	9:45	MAINT			RIG SERV CHECK HO'S
9:45	9:00	DRUG	4804		DRUG

DAYWORK: HOURS 8 RATE DRUG HOURS _____ RATE _____ HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
1500	GEL	10:00	10.3	105	6.0	1/2	8.0	15	12 1/4 YTS N12732
50	DRISCOSE	200	10.3	100	6.2	1/2	8.0		
30	CAUSTIC								
100	EX.								
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		DRILLER'S SIGNATURE	
								Boiler 3 FIREMAN 8 hrs 4 man CREW + LEASEMAN 11 hrs	

THIRD TOUR FROM 4:00 M. TO 12:00 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	MAINT	4871		Rig SERVICE
4:15	12:00	Drilling	4896		Drilling 12 1/4 hole

DAYWORK: HOURS 8 RATE DRUG HOURS _____ RATE _____ HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
2000	GEL	5.00	10.2	95	6.4	21	8.0	15	12 1/4 YTS
100	DRISCOSE	11.30	10.3	110	6.4	21	8.0		
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		DRILLER'S SIGNATURE	
		Euler		4793		1		Boiler 3 Fireman 8 hrs 3 men	

APPROVED E. L. Throck
PAN AMERICAN REPRESENTATIVE

APPROVED James H. Hurling
CONTRACTOR'S REPRESENTATIVE

LEASE NAME Bob Lee and P. W. R. WELL NO. 9-1 FIELD 0

FIRST TOUR FROM 1200 M. TO 2000 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
1700	1715	Maint.			Rig Service
1715	800	DRLG	4634	4698	DRLG 12 1/4 Hole w/ 30' 00" 120 RPM 8'' PSF w/ MOTOR.
					475 TD 2 sample - 11 D & = 2 1/2' 1/2"

DAYWORK: HOURS 5 RATE DAILY HOURS _____ RATE _____ HOURS W/D PIPE 5

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
3000	GEL	100	10.7	80	5.6	3/2	93	14	12 1/4 SEC SH 462362
100	D.R.S.C.U.E	700	10.3	112	5.2	3/2	9.5		
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Backer w/ Freeman Sh	
								4 MOD CREW +	
								DRILLER'S SIGNATURE T.L. Smith	

SECOND TOUR FROM 12 M. TO 4:30 M.

[illegible]

DAYWORK: HOURS 6 RATE 12.00 HOURS 6 RATE 12.00 HOURS W/D PIPE 6

[illegible]

THIRD TOUR FROM 4:00 M. TO 2:00 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:15	4:45	Abandon	1742		High pressure
7:15	9:45	Drilling	1743		Drilling 12 1/4 ft w/ motor.
7:45	10:00	Survey	1748		Geological Survey
7:50	8:00	Drill			Drill bit
					2 1/2 ft - 1 1/2 ft
					1 1/2 ft - 1 1/2 ft

DAYWORK: HOURS 6 RATE 26.19 HOURS _____ RATE _____ HOURS W/D PIPE: 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	P.H.	BIT NO.	SIZE	KIND
10-1	10-1	10-1	10-1	10-1	10-1	10-1	10-1	10-1	10-1	10-1
9-8	9-8	9-8	9-8	9-8	9-8	9-8	9-8	9-8	9-8	9-8
7-4	R X	DEVIATION INSTRUMENT	DEPTH	DEGREES OFF						
3-0	SR TYP	1-93	1°							
					DRILLER'S SIGNATURE					

APPROVED Ed. Rupp
PAN AMERICAN REPRESENTATIVE

APPROVED *James H. Hartley*
CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME GRUBERHOLE DRAG 24 HOUR PERIOD ENDING AT MIDNIGHT Nov 7 1962
 LEASE NAME Parson Island River WELL NO. A-1 FIELD

FIRST TOUR FROM 12⁰⁰ MDT TO 8⁰⁰ AM

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12 ⁰⁰	12 ¹⁵	Maint.			Rig Service
12 ¹⁵	8 ⁰⁰	DRIG	4580	4607	DR. Line 12 1/4 H. hole w/ 36000 RPM 75 650 PSI w/ 1 motor.
					Temp @ 12 ⁰⁰ MN - 14°
					44 STDs + 2 singles 14 Drill Collars

DAYWORK: HOURS 6 RATE DRIG HOURS RATE HOURS W/D PIPE 6

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
600	GEL	100	103	98	62	1/2		13	12 1/4	HTC OSC-18 32959
100	REF DRISCOSE	600	103	106	58	2 1/2				
										Boiler w/ Fireman 8 hrs
										1 man CREW +
										DRILLER'S SIGNATURE <u>John E. Williams</u>

SECOND TOUR FROM 8⁰⁰ A. M. TO 4⁰⁰ P. M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8 ⁰⁰	8 ¹⁵	Maint.			44 STDs
8 ¹⁵	8 ³⁰	TEST			CHECK DRIG OK
8 ³⁰	12 ¹⁵	DRIG	4607-20		DRIG 38000, 65 RPM 850 PSI 48 STD w/ 1 motor.
12 ¹⁵	12 ³⁰	SURVEY			SURVEY
12 ³⁰	4 ⁰⁰	TRIP			Hoist (motor)

DAYWORK: HOURS 6 RATE DRIG HOURS RATE HOURS W/D PIPE 6

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
300	GEL	10:00 AM	103	91	52	3/32	7	13	12 1/4	OSC-18 32959
100	DRISCOSE	TRIP						14	12 1/4	54 462362
										Boiler & Fireman 8 hrs
										2 man CREW 12 hrs
										DRILLER'S SIGNATURE <u>John E. Williams</u>

THIRD TOUR FROM 4:00 P. M. TO 12:00 A. M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	Maint.	4600		Rig Service
4:15	6:00	TRIP			Run in bit + 14
6:00	12:00	DRIG	4604		Drilling w/ motor. install pump nipple on choke manifold & complete test line
					14 drill pipe
					Clean Choke Tank

DAYWORK: HOURS 6 RATE DRIG HOURS RATE HOURS W/D PIPE 6

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
1000	GEL	8:00	103	100	5	3/32	30	11	12 1/4	462362
100	DRISCOSE	11:30	100	85	58	3/32	25			
100	GEL									Boiler & Fireman 8 hrs
100	CASTER	Fasten								2 man CREW
										DRILLER'S SIGNATURE <u>John E. Williams</u>

APPROVED

Cliff Mack

PAN AMERICAN REPRESENTATIVE

APPROVED

Kenneth L. Linder

CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 100 CONTRACTOR'S NAME Brunswick Drilling 24 HOUR PERIOD ENDING AT MIDNIGHT 1962
 LEASE NAME Lease 1500 WELL NO. 101 FIELD 101

FIRST TOUR FROM 12 M. TO 5 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:15	Drilling	4477		Big Service
12:15	12:30	Drilling	4528		Drilling w/ motor
					42% - 14.000
					14.000 collars

DAYWORK: HOURS 8 RATE Drilling HOURS 8 RATE Drilling HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	RF.	BIT NO.	SIZE	KIND
1000	GEL	7.00	10.0	27	1.0	3	85			
50	DRISCOSE	7.30	10.3	103	1.2	4	85			
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Drilling 12.000 w/ 3500 80 ft. 60 ft. w/ motor		
		Eadie		4477		1/1		3000 ft.		
								DRILLER'S SIGNATURE <u>D. F. Jones</u>		

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	Drilling			Fig 5 - 2100, Check 3000 - Kelly Calk
8:15	4:00	Drilling	4528	4536	Drilling 12.000 w/ 3500 80 ft. 60 ft. w/ motor
					44 STD - 14 Drill collars
					Temp @ 800 - 10°

DAYWORK: HOURS 8 RATE Drilling HOURS 8 RATE Drilling HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	RF.	BIT NO.	SIZE	KIND
1000	GEL	10:00	10.3	103	7 1/2	2		13	12 1/4	400 32959
50	DRISCOSE	3:00	10.2	110	6.1	3/2				
40	CAUSTIC	DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Drilling 12.000 w/ 3500 80 ft. 60 ft. w/ motor		
100	G X							DRILLER'S SIGNATURE <u>D. F. Jones</u>		

THIRD TOUR FROM 4:00 P.M. TO 12:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	Drilling			Fig 5 - 2100
4:15	12:00	Drilling	4528	80	11.000 51.000 75 6500 w/ motor

DAYWORK: HOURS 8 RATE Drilling HOURS 8 RATE Drilling HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	RF.	BIT NO.	SIZE	KIND
700	GEL	6:00	10.2	109	6.2	3/2		13	12 1/4	400 32959
50	DRISCOSE	10:00	10.3	103	6.4	3/2				
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Drilling 12.000 w/ 3500 80 ft. 60 ft. w/ motor		
								DRILLER'S SIGNATURE <u>D. F. Jones</u>		

APPROVED Ed Mark
PAN AMERICAN REPRESENTATIVE

APPROVED Henry Shuler
CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

TAN-5

RIG NUMBER 21 CONTRACTOR'S NAME W. A. D. 118 24 HOUR PERIOD ENDING AT MIDNIGHT 11/18 1972
LEASE NAME W. A. D. 118 WELL NO. 118 FIELD W. A. D. 118

LEASE NAME _____ WELL NO. _____ FIELD _____
FIRST TOUR FROM _____ M. TO _____ M.

FIRST TOUR FROM 1954 M. TO 1955 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.					
FROM	TO		FROM	TO						
11:00	12:00	Mount	125		11:00 - 12:00					
12:00	1:00	Run	444		12:00 - 1:00					
Change to Krimberlin 11:00										
14' - 7" cas. cond 4 - no deser. (mud line) 11:30 - 12:00										
30' - 2 1/2" cas. " 3 - JSS EVESTIC (mud line) 12:00 - 1:00										
3:00 - 4:00 over 4 hrs. 11:00 - 12:00										
DAYWORK: HOURS		RATE		HOURS						
8		12.00		8						
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	RH.	BIT NO.	SIZE	KIND
10.00	GEL.	5.00	100	83	5.4	52	85			
		7.00	103	82	5.4	52	85			
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		3 - 100' & 100' over 2 hrs		
		1 - 100'		113'		1/2		4 - 100'		
								DRILLER'S SIGNATURE: [Signature]		

SECOND TOUR FROM 800 AM TO 400 PM

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.					
FROM	TO		FROM	TO						
800	815	MAINT			REG SERVICE					
815	817	DRLG	4449	4459	DRLG 12 1/4 HOLE w/ 4400 130 RPM 1100 PSI					
115	230	SURVEY			WELDING WATER LEAK & BREAKS					
200	245	SURVEY			SURVEY					
205	400	TRIP			TRIPPING FOR BIT					
					44 STD: 1 sample 11 Drill Collars					
					Repture 12 1/4 @ 806 900 + 20°					
DAYWORK: HOURS		RATE	HOURS		RATE	HOURS W/D PIPE				
8						6 3/4				
QUANTITY	MUD MATERIAL ADDED		TIME	WT.	VIS.	FL LOSS	CAKE	BIT NO.	SIZE	KIND
1000	GEL		830	1688	2.4	3/2		12	12 1/4	SEE SH 449206
100	C.Y.		200	104	10.4	7.0				
40	CAUSTIC		DEVIATION INSTRUMENT			DEPTH		DEGREES OFF		
40	DRISCOE		EAST CO.			4499		1/8°		
								DRILLER'S SIGNATURE		

THIRD TOUR FROM 4⁰⁰ P.M. TO 12⁰⁰ P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.					
FROM	TO		FROM	TO						
4 ⁰⁰	7 ⁰⁰	Trip In	4489		HOLE SET 5 L.M. NO CORR.					
7 ⁰⁰	7 ¹⁵	Reinst			RIG SET. CHECK TUNING RANGE.					
7 ¹⁵	8 ⁰⁰	Trip Out			PICK UP N.D.P.					
8 ⁰⁰	7 ¹⁵				Pick up 3-6 1/2" D.C.					
7 ¹⁵	11 ³⁰	10.10			Hole N (2 MOTOR DOWN)					
11 ³⁰	12 ⁰⁰	Return			CREATING = CLEAR AT					
		8	Duty. HOLE GOOD 4 3/4 S.F.S. 14 DCS.							
DAYWORK: HOURS		RATE	HOURS		RATE	HOURS W/D PIPE				
QUANTITY	MUD MATERIAL ADDED		TIME	WT.	VIS.	FL. LOSS	CAGE	BIT NO.	SIZE	KIND
Ferric - 15°F								13	12 1/4	OSE IG 32934
			DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		DRILLER'S SIGNATURE	
									JAN 1961	

APPROVED

PAN AMERICAN REPRESENTATIVE

APPROVED

CONTRACTOR'S REPRESENTATIVE

LEASE NAME ISLAND KID WELL NO. A. 1 FIELD W. 1

FIRST TOUR FROM 12.00 A.M. TO 8.00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.						
FROM	TO		FROM	TO							
12-00	12-15	1 hour	4257		SURVEY 5519 S.D.V.C.V.						
12-15	12-30	1 hour	4269		W/56,000, 100 RPM, H.P. 1100 PSI						
					4 1/2 ST-10 2100						
					11 1100 - 1100						
B DRL B											
DAYWORK: HOURS		RATE	HOURS		RATE	HOURS W/D PIPE					
QUANTITY	MUD MATERIAL ADDED		TIME	WT.	VIS.	FL. LOSS	CAKE	P.H.	BIT NO.	SIZE	KIND
1000	GEL.		2.30	10.1	72	6.6	7/32	X.5	11	12 1/4	Spec S-6
			7.30	10.6	83	6.2	8.5				STH-XL
			DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		P.L.O. = 1100 rpm 1100			
			Foster		216	1/2		S.D.V.C.V.			
								DRILLER'S SIGNATURE			

SECOND TOUR FROM 800 A.M. TO 400 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.					
FROM	TO		FROM	TO						
800	815	MAINT	7309		REPAIR SERVICE					
915	930	R.P.R.			REPAIR LOW CHAIN					
930	1700	TRIP			TRIP OUT FOR R.T					
1200	100				CLEAN MUD TANKS					
100	120				SLIP 33' TIME					
130	345	TRIP			TRIP IN W/ B.I. TEMP @ 800 AM -16°					
345	400	Clearing			1 1/4 Spinning the Bottom off p/f					
DAYWORK: HOURS		RATE		HOURS		RATE		HOURS W/D PIPE		
QUANTITY	MUD MATERIAL ADDED		TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
			DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		Bobber / SPIDERMAN 8AM		
								LUGGED NEW FLANGE MAN		
								DRILLER'S SIGNATURE		

THIRD TOUR FROM 12:00 M. TO 1:00 P. M.

[illegible]

1. Remain El. Tracks
APPROVED _____ PAN AMERICAN R

PAN AMERICAN REPRESENTATIVE

APPROVED

CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 2 CONTRACTOR'S NAME Winkhoff Drilling 24 HOUR PERIOD ENDING AT MIDNIGHT Jan 3 1962
 LEASE NAME East River WELL NO. 11 FIELD 11.1.17

FIRST TOUR FROM 12:00 M. TO 5:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:05	MAINT.	4118		Big Service
12:15	12:45	DRILL		4123	Drilling
12:45	1:00	SURVEY	4123		Survey
1:00	2:00	TRIP			Drill bit tight 1 1/2" in hole
2:00	5:00				Stop and 3" Circulate
5:00	5:00				Finish out
5:00	5:00				2122 1 1/2" in hole

DAYWORK: HOURS 8 RATE DRG HOURS 8 RATE DRG HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		3:30	107	63	7.2	3/4	10	12 1/4	SEC 3 110' 11 1/4"
									90% fill.
									2 1/2" in hole
									Driller's Signature

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:30	8:30	DRILL			Finish cleaning to bottom 20'
8:30	8:45	MAINT.			Big Service
8:45	4:00	DRILL	4123	4183	DRILL 12 1/4" HOLE W/ 40° 120 RPM 1100 PSI
					41 STDs DRILL PIPE 11 DRILL COLLARS
					Temp @ 8:00 AM - 8°

DAYWORK: HOURS 8 RATE DRG HOURS 8 RATE DRG HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
2000	GEL	11:00	107	69	7.2	3/4	11	12 1/4	SEC 56 376386
		3:00	107	69	7.2	3/4			
									Driller's Signature

THIRD TOUR FROM 4:00 P.M. TO 7:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	5:30	DRILL	4183		DRILL W/ 30000, 150, 1100 PSI
5:30	5:45	MAINT.			Big Service
5:45	11:45	DRILL	4237		DRILL CLEANED SETTLING TANK.
11:45	7:00	SURVEY			SURVEY

DAYWORK: HOURS 8 RATE DRG HOURS 8 RATE DRG HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
1800	GEL	6:00	107	65	6.4	3/4	8.5	11 1/4	56 376386
900	GEL (HIGH)	7:00	107	75	6.0	3/4	8.5		
									Driller's Signature

APPROVED Ed. Muck PAN AMERICAN REPRESENTATIVE

APPROVED Winkhoff CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 21 CONTRACTOR'S NAME Franklin 24 HOUR PERIOD ENDING AT MIDNIGHT Jan 2 1962
 LEASE NAME 1st River WELL NO. A-1 FIELD W. 1st

FIRST TOUR FROM 12:15 M. TO 2:15 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:15	12:45	Mount	4016		Big Service
2:15	2:45	Shut Down			W. O. Pump Parts
2:45	3:45	Repair			Repair Pump
3:45	6:30	Tip			Tip in hole. Clean 6" bit.
6:30	7:15	Shut			Shut down 6" bit. 1st run 30 ball bit.
7:15	8:00	Drill	4024		Drill 11' 3 1/2" pipe

DAYWORK: HOURS 8 RATE 5 1/2 HOURS 5 1/2 RATE STBY 4/CRS HOURS W/D PIPE 2 1/2

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
11	men worked	6:00	115	67			10	12 1/4	OSC-3
	men 4 hrs								#76.1.86
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	DRILLER'S SIGNATURE				
		Eastco	4023	1 1/2	John C. ...				

SECOND TOUR FROM 8:00 P.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	Mount			Big Service
8:15	4:00	DRAG	4024	4082	DRAG 12 1/4 Hole w/ 25' 180 2PM 1150 PSI
NO STD. DRILL PIPE 11 DRILL COLLARS					
4 MEN STAYED OVERSLEAVED W/ KERSIE 422					

DAYWORK: HOURS 8 RATE DRAG HOURS 8 RATE DRAG HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
1200	Gel	9:30	107	55	7	3/2	10	12 1/4	OSC-3 76686
25	Caustic	3:00	107	48					
50	G.X.								
50	DR. SCOS								
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	DRILLER'S SIGNATURE				
					Boiler w/ Freeman 9 hr. ...				

THIRD TOUR FROM 4:00 P.M. TO 12:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	Mount			Big Service
4:15	4:30	Shut Down			Shut down 12 1/4 hole w/ 25' 180 2PM 1150 PSI
4:30	12:00	DRAG	4024	4118	DRAG 12 1/4 hole w/ 25' 180 2PM 1150 PSI
Fire & mud mud with #1 pump - standby					
pump will not build up enough press to mud mud					
Cleanup Rig					
3 men worked 4 hrs 0 min 40 13 STD. 11 DE.					

DAYWORK: HOURS 8 RATE DRAG HOURS 8 RATE DRAG HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
3000	Hell	7:00	107	60	7 1/2	3/2	10	12 1/4	OSC-3 76686
50	Caustic	10:00	107	77	7 1/2	3/2			
50	G.X.								
50	DR. SCOS								
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	DRILLER'S SIGNATURE				
					John C. ...				

APPROVED CC. Mack
 PAN AMERICAN REPRESENTATIVE

APPROVED James ...
 CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER _____ CONTRACTOR'S NAME _____ 24 HOUR PERIOD
ENDING AT MIDNIGHT _____ 19__

LEASE NAME _____ WELL NO. _____ FIELD _____

FIRST TOUR FROM 12 M^{TO} 1 M

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12	1	Run	4012		Run 12 1/2' hole
12:15	1:15	Run			Run 12 1/2' hole
2:15	4:15	Run			Run 12 1/2' hole
4:15	6:15	Run			Run 12 1/2' hole
6:45	7:15	Run	4016		Run 12 1/2' hole
7:15	8:15	Run	4016		Run 12 1/2' hole

DAYWORK: HOURS 8 RATE 216 HOURS 2 RATE 108 HOURS W/D PIPE 1

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	SP. GR.	BIT NO.	SIZE	KIND
								11	12 1/4	100-3
									100-116	
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		BOTHER 2 1/2 HRS.		
		Kestrel		100		1 1/2		BOTHER 2 1/2 HRS.		
								DRILLER'S SIGNATURE		

SECOND TOUR FROM 2004 M. TO 4002 M.

[illegible]

DAYWORK: HOURS 18 RATE \$12.50 HOURS 5 RATE \$12.50 HOURS W/D PIPE 1

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT			DEPTH		DEGREES OFF			
									<i>S.W. GORTER - FIREMAN</i>	
									<i>J. H. CRAN - DRILLER</i>	
									DRILLER'S SIGNATURE <i>[Signature]</i>	

THIRD TOUR FROM 11 M. TO 1 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
		SURF			White sand & pebbles. For down pump.
					Pipes worked over 8 hrs. In mud 4 hrs.

DAYWORK: HOURS 10.14 RATE 12.25 HOURS 1.14 RATE 12.25 HOURS W/D PIPE 1.14

QUANTITY		MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	HOURS W/D PIPE	KIND
								10 12/4/50 3	WL BL
						DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	
							4013	1 1/2	
									DRILLER'S SIGNATURE

3-5/4
APPROVED [Signature]
PAN AMERICAN REPRESENTATIVE

APPROVED _____
CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME Franklin D. Co. 24 HOUR PERIOD ENDING AT MIDNIGHT 8/10/61 1961
LEASE NAME Grand River WELL NO. A-1 FIELD N.W.T.

FIRST TOUR FROM 12:00 M. TO 2:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:15	Maint.	3751		Rig Service
12:15	3:00	Drilling			Will Stick 12 1/4" Hole. Run in.
3:00	7:45	Drilling	3550		Drill 12 1/4" hole
7:45	8:00	Repair	2850		Repair Low Chain 837 1/2 lbs. 11' hole

DAYWORK: HOURS 8 RATE DRG HOURS 1 1/2 REPAIR RATE 40/HR HOURS W/D PIPE 7 1/2

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
200	200 lb.	5:00	10.3	57	6.2		1	12 1/4	117.C. SC-3
50	50 lb.								53333
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		DRILLER'S SIGNATURE		
		Eastco		3731	1		S. L. & Fireman 8 hrs 4 men		

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	Maint.			Rig Serv.
8:15	8:45	Repair			Finish Repairing Low Chain
8:45	2:30	DRIG	3856	3940	DRIG 12 1/4" HOLE w/35000 150 RPM 900 PSI
2:30	3:00	W/Pump			CHANGE HEAD IN D-500
3:00	4:00	DRIG	3940	3970	DRIG
38 STD. 1 single 11 DRILL COLLARS					

DAYWORK: HOURS 8 RATE DRG HOURS 1 1/2 REPAIR RATE 40/HR HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	PH	BIT NO.	SIZE	KIND
		930	164	60	6.4	3 1/2	7.6	9	12 1/4	HIC OSC-3 53333
		300	104	61						
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Boiler w/ Fireman 8 Hr		
ONE MAN 4 HRS OTHER WORK ON BOP MANIFOLD.								3 man crew, Lease man		
								DRILLER'S SIGNATURE		

ONE MAN 4 HRS. OTH. WORKED W/ BOP MANIFOLD

THIRD TOUR FROM 4:00 P.M. TO 12:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	Maint.			Rig Serv.
4:15	4:30	DRIG	3950		DRIG (LINE)
4:30	5:00	Repair			CHANGE HEAD Pump
5:00	10:15	DRIG			DRIG w/35000, 1000 PSI 150 RPM. 50 SPH.
10:15	10:30	SURVEY			SURVEY
10:30	12:00	TRIP	4013		TRIP. HOLE TIRE @ 1000 3 SURVEY CUT OFF. 2000

DAYWORK: HOURS 8 RATE DRG HOURS 1 1/2 REPAIR RATE 40/HR HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND	
400	GEL	6 ⁰⁰	10.6	54	6.2	2	B.0	9	12 1/4	OSC3 53333
25	CAUSTIC	10 ⁰⁰	10.4	57	6.4	3.2	"			
50	9% K									
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		FORGED & FIREMAN: 8 HRS.		
		EASTCO		4013		1 1/2		4 man crew		
ONE MAN 4 HRS. 8 TIME WORKED FROM							DRILLER'S SIGNATURE		J. H. HARRIS	

ONE MAN 4 HRS. OTH. WORKED W/ BOP MANIFOLD

PAN AMERICAN REPRESENTATIVE

APPROVED

CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BANDERHOFF 24 HOUR PERIOD ENDING AT MIDNIGHT Dec 30 1964
LEASE NAME ISLAND RIVER WELL NO. A-1 FIELD WIC

FIRST TOUR FROM 12⁰⁰ P.M. TO 5⁰⁰ P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
1200	1245	TRIP			FINISH CUT
1245	100	MAINT			RIG SERV
100	300	TRIP			RUNNING N
300	500	REPAIR			REPAIR LOW CLUTCH CHAIN
500	530	TRIP			FINISH N
530	545	REPAIR			REPAIR STAND PIPE VALVE
545	500	DRUG	3390	3452	DRUG w/30000' 170 RPM 1100 PSI

DAYWORK: HOURS 8 RATE DELEG HOURS 2 3/4 RATE REPAIR HOURS W/D PIPE 8 1/4

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
100	GEL	700	10.5	53	7.8	2	8	12 1/4	HTCOSE-3 76683
35	WATER								
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	DRILLER'S SIGNATURE				
			3390	12	COILER & FREEMAN				

SECOND TOUR FROM 8 M. TO 1:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	MAINT	3452		Rig Service
8:15	130	REPAIR			REPAIR bit valve
8:30		TRIP	3452		D-11 12 1/4 hole

DAYWORK: HOURS 8 RATE DELEG HOURS 1 1/4 RATE REPAIR HOURS W/D PIPE 6 1/4

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
200	GEL	1100	10.5	58	7		8	12 1/4	HTCOSE-3 76683
150	WATER								
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	DRILLER'S SIGNATURE				
		Fastco	3390	12	COILER & FREEMAN				

THIRD TOUR FROM 4:00 P.M. TO 12:00 M.N

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	MAINT	3608	3731	Rig Service
4:15	10:30	DRUG			DRUG 12 1/4 hole w/40000' RPM 120 PSI 1000
4:30	10:30	SURVEY			SURVEY
10:30	12:00	TRIP			TRIP OUT FOR BIT

DAYWORK: HOURS 6 RATE DELEG HOURS RATE HOURS W/D PIPE 6

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
100	GEL	5:30	10.5	26	5.2	3 1/2	7	8	12 1/4 HTCOSE-3 76683
15	CAUSTIC	9:00	10.5	20					
50	QX								
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	DRILLER'S SIGNATURE				
		Fastco	3731	1	8 HZ BAKER W/SPIN				

APPROVED Ed Mack
PAN AMERICAN REPRESENTATIVE

APPROVED Dennis D. D.
CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME DANKERHOF 24 HOUR PERIOD ENDING AT MIDNIGHT DEC 29 1961
LEASE NAME ISLAND RIVER WELL NO. 411 FIELD WVE

FIRST TOUR FROM 1200 A.M. TO 800 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
1200	1215	MAINT.			RESERV.
1215	1300	TRIP			FINISH IN.
1300	1330	DRIG			DRIG
1330	215	REPAIR			WORK ON SWIVEL
215	800	DRIG	3040		DRIG 32-3400-170 RPM 1100 PSI

DAYWORK: HOURS 8 RATE D.W. HOURS 3 1/4 RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
2200	GEL	200	9.9	44	9.4		7	12 1/4	OSC-3 79951
200	DRISCOES	700	9.9	53	9.2				
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF					
			2959	1/4°	DRILLER'S SIGNATURE <u>[Signature]</u>				

SECOND TOUR FROM 800 A.M. TO 400 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
800	815	MAINT.	3040		RESERV.
815	2:00	TRIP	2359		TRIP 12' to 14'
2:00	4:00	DRIG	2359		DRIG 32-3400-170 RPM 1100 PSI

DAYWORK: HOURS 8 RATE D.W. HOURS 1 RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
800 lb		900	9.9	49	9.2				
DRISCOES		200	102	49	9.6				
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF					
			2959	1/4	DRILLER'S SIGNATURE <u>[Signature]</u>				

THIRD TOUR FROM 1000 P.M. TO 1200 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
400	530	REPAIR			FINISH REPAIRING HIGH CHAIN
530	545	MAINT.			SCR TRIP
545	1000	DRIG	3390		DRIG 30000 140 RPM PSI 600
1000	1030	SURVEY			RUN WIRE LINE SURVEY
1030	1200	TRIP			TRIP FOR BIT

DAYWORK: HOURS 8 RATE D.W. HOURS 1 1/2 RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
430		100	102	6.7	3/2	80	7	12 1/4	OSC-3 79951
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF					
					DRILLER'S SIGNATURE <u>[Signature]</u>				

APPROVED

[Signature]
PAN AMERICAN REPRESENTATIVE

APPROVED

[Signature]
CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME PANKEHOFF 24 HOUR PERIOD ENDING AT MIDNIGHT 12:30 61
LEASE NAME ISLAND RIVER WELL NO. H 1 FIELD WIC

FIRST TOUR FROM 2:00 P.M. TO 5:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
1:00	1:15	MAINT.			SEE DRILL.
1:15	1:30	TRIP			WATER N.
1:30	4:30	DRILL	2464		DRILL W/ 30000 150 RPM 900 PSI
4:30	4:45	REPAIR			WORK ON PUMP
4:45	8:00	DRILL	2534		DRILL
7:45	8:00	REPAIR			WORK ON PUMP

DAYWORK: HOURS 8 RATE D.W. HOURS 1/2 RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
3000	GEL	200	9.9	44	12.5		6	12 1/4	YT 1 173065
75	DRISCOE	100	9.7	62	11.4				
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		DRILLER'S SIGNATURE		
							<u>DRILLER & FREEMAN</u>		
							<u>DRILLER</u>		

SECOND TOUR FROM 8:00 P.M. TO 1:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	MAINT.	2624		Rig Service
8:15	12:00	DRILLING	2717		DRILL W/ 12 1/4" bit

DAYWORK: HOURS 8 RATE D.W. HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
Sell 1000		10:00	9.6	41	13		6	12 1/4	2001 Y.T. 1
100		3:00	9.6	51	9.2				
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		DRILLER'S SIGNATURE		
DRISCOE 100		Encl 10		2464	1/2		<u>DRILLER & FREEMAN</u>		
							<u>DRILLER</u>		

THIRD TOUR FROM 4:00 P.M. TO 12:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	MAINT.			SEA RIG
4:15	7:15	DRILL	2767	2857	DRILL W/ 35000 180 RPM PSI 9.50
7:15	7:45	SURVEY			TRIP W/ LINE SURVEY
7:45	9:00	TRIP			TRIP OUT FOR BIT
9:30	11:00	REPAIR			WORK ON FRANCHISING BLOCKS
11:00	12:00	TRIP			FRANCHISING IN W/ 13.1

DAYWORK: HOURS 8 RATE D.W. HOURS 1 1/2 RATE HOURS W/D PIPE 6 1/2

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		5:00	9.6	48	10 1/2		6	12 1/4	REED Y.T. 1
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		DRILLER'S SIGNATURE		
				2857	1/4		<u>DRILLER & FREEMAN</u>		
							<u>DRILLER</u>		

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PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF 24 HOUR PERIOD ENDING AT MIDNIGHT DEC 27 1961
LEASE NAME ISLAND RIVER WELL NO. _____ FIELD WIC

FIRST TOUR FROM 12:00 A.M. TO 8:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	1:15	MAINT.			R.G. SERV.
1:15	3:30	DRILL	2256	2300	DRILL 25-38000 150 RPM 900 PSI TRIP
3:30	8:00	TRIP			

DAYWORK: HOURS 8 RATE D.W. HOURS _____ RATE _____ HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		1:00 PM	9.6	40	14.4		4	12 1/4	56 474 437
		2:00 PM	9.7	41	14.1		5	12 1/4	56 486 441
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		DRILLER'S SIGNATURE	
		Eastco		2083		0°		Boiler & Fireman 5 HR 4 MEN	

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	9:15	MAINT.	2300		Rig Service
9:15	11:30	DRILL	2344		Drill 12 1/4 hole
11:30	12:00	REPAIR	2344		Re drill Pump
12:00	12:45	DRILL	2352		Drill 12 1/4 hole
12:45	1:15	MAINT.	2352		Re drill 12 1/4 hole
1:15	4:00	DRILL	2375		Drill 12 1/4 hole

DAYWORK: HOURS 8 RATE D.W. HOURS 12 RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		9:00	9.7	40	13	2	5	12 1/4	56 486 441
		3:00 PM	9.7	35	13	2			
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		DRILLER'S SIGNATURE	
								Re drill 12 1/4 hole	

THIRD TOUR FROM 4:00 P.M. TO 12:00 M.N.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:30	DRILL	2375	2393	DRILL 12 1/4 HOLE
4:30	4:45	MAINT.			SER. RIG
4:45	5:15	REPAIR			WORK ON Rotary CLUTCH
5:15	9:00	DRILL	2393	2464	DRILL 12 1/4 HOLE
9:00	9:30	SURVEY			Run wire line survey
9:30	12:00	TRIP			TRIP FOR BIT

DAYWORK: HOURS 8 RATE D.W. HOURS 12 RATE _____ HOURS W/D PIPE 180

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
700	DRILL	5:00	9.9	42	13	2 1/2	5	12 1/4	56 500 56
250	DRILL	5:00	9.9	47			6	"	REED YFI
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		DRILLER'S SIGNATURE	
				2464		12		Boiler & Fireman 8 HR w/ Fireman	

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PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF 24 HOUR PERIOD ENDING AT MIDNIGHT Dec 26 1961
LEASE NAME ISLAND-RIVER WELL NO. A-1 FIELD WIL

FIRST TOUR FROM 12:00 A.M. TO 8:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:15	MAINT.			RIG SERV. 18-2 SCLs D.P.
12:15	12:45	DRLG	1838		DRLG. 3-9"-5-7 1/4 D.C.
12:45	1:15	REPAIR			WORK ON PUMP, GENERAL MAINTENANCE.
1:15	6:00	DRLG	2025		DRLG R.P.M.-180-800 P.S.I.-24 HOURS C.B.
6:00	8:00	Trip	7		HOLST. HOLE CASE

DAYWORK: HOURS 8 RATE D.W. HOURS 8 RATE — HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		2:00	9.4	39	15.4		3	12 1/4	53 516959
		4:00	9.5	41	14.2				
50	DRISSENG	DEVIATION INSTRUMENT		DEPTH	DEGREES OFF	BOILER & FIREMAN 8 HRS.			
		EAST		1682	1/4"	4 MAN CREW.			
						DRILLER'S SIGNATURE <u>W. Brinkerhoff</u>			

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	MAINT.	2120		RIG SERVICE
8:15	11:00	Trip			Run in Pick up 2-6 1/2" Casing. Clean 10' 1.6 ft
11:00	2:30	Drilling	2083		Drill 1 1/2" hole R.P.M.-180-800 P.S.I.-35 HOURS C.B.
2:30	3:00	Survey	2083		Deviation Survey
3:00	4:00	Drilling	2120		Drill 1 1/2" hole 19 SCLs. D.P.
					3-9" D.C.
					5-7 1/4 - 3-6 1/4 D.C.

DAYWORK: HOURS 8 RATE D.W. HOURS — RATE — HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
2000	Gel.	1:00	9.6	41			4	12 1/4	56 474437
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF	Boiler & Fireman 8 Hrs.			
		East		2083	0	Hazen & Leasing man.			
						DRILLER'S SIGNATURE <u>W. Brinkerhoff</u>			

THIRD TOUR FROM 4:00 P.M. TO 12:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	MAINT.	2120		RIG SERVICE 20 1/3 SCLs.
4:15	6:30	DRLG			Drill 1 1/2" hole 11- D.C.s.
6:30	7:00	REPAIR			WORK ON PUMP.
7:00	10:45	DRLG			DRLG.
10:45	11:30	REPAIR			WORK ON PUMP.
11:30	12:00	DRLG	2256		DRLG w/ 30,000, 100-150 RPM 700 psi

DAYWORK: HOURS 8 RATE D.W. HOURS 11 1/4 RATE — HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		6:00	9.6	45			4	12 1/4	56 474437
		10:00	9.7	42	14.0	2 1/2			
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF	Boiler & Fireman 8 HRS			
		EAST		2083	0	5 MEN			
						DRILLER'S SIGNATURE <u>W. Brinkerhoff</u>			

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PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME DRINKERHOFF, DREG. 24 HOUR PERIOD ENDING AT MIDNIGHT DEC, 25/61
LEASE NAME ISLAND RIVER WELL NO. A-1 FIELD W/P

LEASE NAME ISLAND RIVER WELL NO. H-1 FIELD Wye
FIRST TOUR FROM 700 A.M. TO 800 A.M.

FIRST TOUR FROM 7:00 A.M. TO 8:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
1200	430	DRILL OUT	1245	85	DRILL PLUG FLOAT CEMENT & SHOE
430	445	Test			PRESS PIPE RAMS TO 300 PSI
445	800	DRLG.	1285	1450	DRLG. CONTROLLED RATE 60' PER HOUR.
					3 - 9" Drill Collars
					3 - 7 1/4" " "
					3 - 6" Drill Collars

DAYWORK: HOURS 0 RATE L.W. HOURS _____ RATE _____ HOURS W/O PIPE 8

[illegible]

SECOND TOUR FROM 10 M. TO 4 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	8:15	Mud	1450		Rig Service 16 1/2" std pipe
8:15	11:00	Drilling			Drill 12 1/4" hole 28 1/4" in 50 ft. casing.
11:00	11:30	Repair.			Repair Compound
11:30	1:30	Drilling			1682 Drill 12 1/4" hole
1:30	1:45	Survey	1682		Deviation Survey
1:45	3:00	Drilling		1806	Drill 12 1/4" hole
3:00	4:00	Mud	1806		Repair Stand pipe valve. Unplug 4' in casing

DAYWORK: HOURS 8 RATE D.W HOURS 12 RATE 1 HOURS W/D PIPE 8

[illegible]

THIRD TOUR FROM 7:00 M. TO 12:00 M. N.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:15	4:15	MAINT	1806		KISS SERVICE 16/25. D.P.
4:15		CIR.			Under line 3-9" - 5-73/4
10:00	10:00				3 BREAK 110 = CIR CUT MUD KING
10:00	11:15	COND.			MIX 2 COND MUD BUILD VOLUME.
11:15	12:00	D.R.G.	1806-38		D.R.G. R.P.m. 180-800 P.S.I. 74600 ATTEN PIT

DAYWORK: HOURS 0 RATE D.W HOURS _____ RATE _____ HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
1600	GEL.	6:00	9.0	60				3	12 1/4	S3 511959
200	PILARS	10:00	89	40						
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		JONES & FIREMAN BHEL'S KAMAN CAUL DRILLER'S SIGNATURE		

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PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 21 CONTRACTOR'S NAME ISLAND RIVER 24 HOUR PERIOD ENDING AT MIDNIGHT Dec 27 1981
LEASE NAME ISLAND RIVER WELL NO. A1 FIELD W1E

FIRST TOUR FROM 12⁰⁰ P.M. TO 8⁰⁰ A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.									
FROM	TO		FROM	TO										
1200	800	HEADING UP CLEANED TANKS & SCREEN ON SAME.	1283		WORK ON SHAFTER HYDRAULIC UNIT									
DAYWORK: HOURS		8	RATE		HOURS		RATE		HOURS W/D PIPE	0				
QUANTITY	MUD MATERIAL ADDED			TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND		
				DEVIATION INSTRUMENT		DEPTH		DEGREES OFF.		BOILER & FIREMAN 8 HRS.				
										5 MAN CREW				
										DRILLER'S SIGNATURE John T. Hillman				

SECOND TOUR FROM 8:00 A.M. TO 9:00 P.M.

[illegible]

THIRD TOUR FROM 4:00 M. TO 12:00 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.				
FROM	TO		FROM	TO					
4:00	4:15	Maint	1283		K-6 Service				
4:15	4:30				D-TM Main hole				
5:30	8:00	T.P.			Lay down hammer & 7 1/2 h.m. h.k. collar.				
8:00	11:30	T.P.			Hole in w/bit d3.				
11:30	12:00	P.D.M.			Pressure hydnl 1000 P.S.I. OK				
					2 drill collars				
					10 1/2 stds. 9:00				
DAYWORK: HOURS		8	RATE		D.W.	HOURS W/D PIPE			
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
							3	12 1/2	S.C.-S.B.
									3 1/2 757
		DEVIATION INSTRUMENT			DEPTH	DEGREES OFF		5' below surface 8 hrs	
								4 noon crew	
								DRILLER'S SIGNATURE D. J. Kristine	

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PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

RIG NUMBER 20 CONTRACTOR'S NAME Franklin Drilling Co. 24 HOUR PERIOD ENDING AT MIDNIGHT 12-23-61 1961
LEASE NAME Barren Island Tract WELL NO. A-1 FIELD

FIRST TOUR FROM 12:00 M. TO 8:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
11:15	1:00	Wd	1273	1280	Wd
1:00	8:00				Cut off conductor pipe, lay down same Cut off casing, weld on casing head mud Cement staged at ground level

DAYWORK: HOURS <u>8</u>		RATE <u>Day Work</u>		HOURS <u>0</u>		RATE <u>0</u>		HOURS W/D PIPE <u>0</u>	
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
<u>2500</u>	<u>Gel.</u>			<u>3L</u>					
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		<u>This Boiler & Fireman</u> <u>4 Man Crew &</u> DRILLER'S SIGNATURE <u>T. Nelson</u>	

SECOND TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	11:00	Head up	1283		Wip up Scaffers - Spot - H. Drill - Making up BOP &
					Manif. & BOP

DAYWORK: HOURS		5		RATE		Day Work		HOURS		3		RATE		500		HOURS W/D PIPE		0	
QUANTITY	MUD MATERIAL ADDED			TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND							
				DEVIATION INSTRUMENT			DEPTH		DEGREES OFF		Boiker & Fireman & his 5 Man Crew & G. WAKER								
											DRILLER'S SIGNATURE								

THIRD TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	12:00	Head up	1283		Head up
					Two men stayed over to help wip up MANIFOLD.

DAYWORK: HOURS <u>8</u> RATE <u>Sto by with crew</u>		HOURS _____ RATE _____		HOURS W/D PIPE _____					
QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		Boice & Fireman 8 hr	
								4 Men &	
								DRILLER'S SIGNATURE <u>D Christie</u>	

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PAN AMERICAN REPRESENTATIVE

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CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

STANOLIND RIG NUMBER 20 CONTRACTOR'S NAME Brunswick Drilling 24 HOUR PERIOD Dec 22 1941
 LEASE NAME Island River WELL NO. A-1 FIELD

FIRST TOUR FROM 12:00 M. TO 8:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:15				SER RT
12:15	8:00	KUN Csg	1.0	12.83	Run 13 3/4 Casing
					Run 39 1/2 13 3/4 OD 54 1/2 JSS
					STIC 7 1/2 Casing. Landed at 12.83

DAYWORK: HOURS 8 RATE Day Work HOURS Plugging 100 ft of 12" PIPE 23 0

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
									HIMEN STAYED
									over to Run Casing
									2 HR. BOILER + 1 FIREMAN
									5 MAN CREW
									DRILLER'S SIGNATURE <u>Ruben S. S. S.</u>

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	10:00	KUN Csg	12.83		Run Casing
10:00	11:30	CIRC			CIRC Csg
11:30	1:00	Cement			RIG TO CEMENT & CEMENTING
1:00	4:00	WOC			WOC
					30 Bbl. cement returned

DAYWORK: HOURS 8 RATE D.W. HOURS — RATE — HOURS W/D PIPE 0

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
									DRILLER'S SIGNATURE <u>Ruben S. S. S.</u>

THIRD TOUR FROM 4:00 P.M. TO 12:00 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	12:00	W.O.C.	12.83		W.O.C.
					The 4 Man crew includes
					driller.

DAYWORK: HOURS 8 RATE D.W. HOURS — RATE — HOURS W/D PIPE 0

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
									DRILLER'S SIGNATURE <u>Ruben S. S. S.</u>

APPROVED

G. Mitchell
 PAN AMERICAN REPRESENTATIVE

APPROVED

Vernis S. S. S.
 CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORTSTANOLIND RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF DRILLING 24 HOUR PERIOD ENDING AT MIDNIGHT DEC 21 1961
LEASE NAME PANAM ISLAND REVER WELL NO. A-1 FIELDFIRST TOUR FROM 12⁰⁰ M. TO 8⁰⁰ A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12 ⁰⁰	12 ¹⁵	Start			SEA RIG
12 ¹⁵	8 ⁰⁰	Reaming	929	1185	Reaming 12 1/4 Hole To 17 1/2

DAYWORK: HOURS 8 RATE DRL HOURS HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
1000	GEL	100	102	60			2A	17 1/2	Reed Pilot Reamer
		700	102	65					
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		DRILLER'S SIGNATURE		
							8 hr w/Boiler + 1 Fireman		
							5 man Rig Crew		

SECOND TOUR FROM 8⁰⁰ A.M. TO 2⁰⁰ P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8 ⁰⁰	9 ¹⁵	Ream	1185	1211	Ream To 17 1/2
9 ¹⁵	11 ¹⁵	TRIP			HOIST CLEAR CHECK Tools S, L, M,
11 ¹⁵	11 ³⁰	TRIP			RIG SECURE
11 ³⁰	12 ⁴⁵	TRIP			Run N
12 ⁴⁵	1 ¹⁵	Survey			Run Survey
1 ¹⁵	1 ³⁰	Ream	1211		Reaming Reamer Running
1 ³⁰	1 ⁴⁵	Ream	1249		Check on Pump

DAYWORK: HOURS 8 RATE DRL HOURS HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
145	400 Reaming	10 AM	11.1	59			2A	17 1/2	Reed H.A.
		2 PM	10.9	54					
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		DRILLER'S SIGNATURE		
							DORCE 3 hr + Fireman		
							4 man 1 hr Leaseman		

THIRD TOUR FROM 5¹⁵ M. TO 1¹⁵ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4 ⁰⁰	4 ¹⁵	Ream	1247		Ream Service
4 ¹⁵	5 ¹⁵	Ream	1285		Ream To 17 1/2
5 ¹⁵	6 ¹⁵	Circulate	1285		Circulate To 17 1/2
6 ³⁰	7 ³⁰	TRIP			TRIP To 17 1/2
7 ³⁰	12 ⁰⁰	Ream			Ream To 17 1/2

DAYWORK: HOURS 8 RATE 5 1/2 HOURS HOURS W/D PIPE 2 1/2

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		5 AM	10.9	80			2A	17 1/2	Reed H.A. Reamer
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF		DRILLER'S SIGNATURE		
							Ream 5 Fireman 8 hr + 3		
							4 man crew		

APPROVED W. Mack
PAN AMERICAN REPRESENTATIVEAPPROVED W. Mack
CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

STANGLIND RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF DRILLING 24 HOUR PERIOD ENDING AT MIDNIGHT DEC 20 1961
 LEASE NAME PANAMA ISLAND RIVER WELL NO. A-1 FIELD _____

FIRST TOUR FROM 12:00 MW TO 8:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	12:15	MAINTENANCE			SEA RIG
					THROW OUT OIL LINES + PUMPS IN
12:15	1:30				COMPOUND + DRABWORKS
1:30	2:00	Reaming	220	533	Reaming 12 1/4" Hole To 17 1/2"

DAYWORK: HOURS 8 RATE DRL HOURS _____ RATE _____ HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
17:00	GEL	100	10.43				1A	17 1/2	Pilot Reamer.
		200	95.65						
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF	DRILLER'S SIGNATURE			
				1242	1/2	8th BOILER W/ FIREMAN 4 MAN CREW			

SECOND TOUR FROM 5:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
5:00	5:15	MAINT.			RIG SERV.
5:15	11:15	Ream	533	659	Ream Rpm 180 WOB 300. King String 6-7 1/4 D.C.
11:15	11:45	TRIP			TRIP OUT CHANGE REAMER 55703. 4120 P.
11:45	12:45	Ream			Ream STAND PIPE USING TONGS CLEAN SHAKER TANK
12:45	1:45	TRIP			Run N.

DAYWORK: HOURS 8 RATE DRL HOURS _____ RATE _____ HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
	Water	10:00	10.560				1A	17 1/2	Ream R
							2A	17 1/2	Ream R
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF	DRILLER'S SIGNATURE			
				1242	1/2	BOILER + FIREMAN TAKE 5 MEN + LEASE HAND			

THIRD TOUR FROM 4:00 P.M. TO 12:00 M.W.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	Maint.	659		Rig Service
4:15	9:15	Reaming		840	Ream To 17 1/2"
9:15	9:45	Maint.	840		Work on Mud Pump
9:45	12:00	Reaming		929	Ream To 17 1/2"

DAYWORK: HOURS 8 RATE DRL HOURS _____ RATE _____ HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		7:00	10.255				1A	17 1/2	Ream R
		11:00	10.360						
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF	DRILLER'S SIGNATURE			
						Boiler + Fireman Take 4 Man Crew			

APPROVED

PAN AMERICAN REPRESENTATIVE

APPROVED

CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

STANOLIND RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF DRILLING 24 HOUR PERIOD ENDING AT MIDNIGHT DEC 19 1961
LEASE NAME PANAM ISLAND RIVER WELL NO. A-1 FIELD

FIRST TOUR FROM 1200 M. TO 800 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
1200	1230	DRILL	1212	1242	DRILLING 12 1/4 HOLE
1230	1245	SURVEY			RUN WIRE LINE SURVEY
1245	100	DRILL			SEE LOG CHECK R.O.P.
100	100	DRILL	1242	1275	DRILLING 12 1/4 HOLE
200	230	CIRC			CIRC. HOLE CLEAN
230	430	TRIP			TRIP OUT TO GET DOWN 300' TO RUN BEAMER.
430	430				LAY DOWN 300'
430	800				WORK TO GET WELDER STARTED.

DAYWORK: HOURS 8 RATE DRL HOURS 4 1/2 RATE 4 1/2 HOURS W/D PIPE 4 1/2

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
600	GEL	100	10.1	53			2	12 1/4	HCC - OSC-3
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		8 in. Boiler + 1 Fireman	
		EASTMAN		1242		1/2		4 MAN RIG CREW	
						DRILLER'S SIGNATURE		John Smith	

SECOND TOUR FROM 900 A.M. TO 400 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
900		WIPPER	1275		CUT OFF RECTOR HOLE
200		up	1275		BUILD CONDUCTOR PIPE & WELDED ON SOME
300					CHANGE BIT AND PILOT BEAMER & PUT ON
400					Flow line

DAYWORK: HOURS 8 RATE 4 1/2 HOURS 4 1/2 RATE 4 1/2 HOURS W/D PIPE 4 1/2

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
BRINKERHOFF WELDER									
6 in. cut off casing bowl									
WELD UP CONDUCTOR									
PIPE.									
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		DRILLER'S SIGNATURE	
								1/16	

THIRD TOUR FROM 400 P.M. TO 1200 M.N.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
400	415	WIPPER	1275		Change Bit & Run Beamer
415	600	Run			Change Bit & Run Beamer
600	700	Run			Change Bit & Run Beamer
700	1200	Run	220		Run Beamer - 17 1/2" Hole

DAYWORK: HOURS 8 RATE 4 1/2 HOURS 3 RATE 4 1/2 HOURS W/D PIPE 5

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	SIT NO.	SIZE	KIND
1		8:00	10	49				17 1/2	Run Beamer + 1 Fireman
		11:00	9.9	45				# 7 1/4	
		DEVIATION INSTRUMENT			DEPTH	DEGREES OFF		Run Beamer + 1 Fireman	
								5 man crew	
								DRILLER'S SIGNATURE <u>[Signature]</u>	

APPROVED [Signature] PAN AMERICAN REPRESENTATIVE

APPROVED [Signature] CONTRACTOR REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

STANOLIND RIG NUMBER _____ CONTRACTOR'S NAME BRINKERHOFF DRAG 24 HOUR PERIOD ENDING AT MIDNIGHT DEC 18 1961
 LEASE NAME TANAM Island River WELL NO. 1-1 FIELD W/C

FIRST TOUR FROM 1200 M. TO 800 A.M.

TIME FROM	TO	OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
			FROM	TO	
1200	200	DRAG	466	528	DRILLING 12 1/4 HOLE
200	215	SURVEY	5	528	RUN WIRE LINE SURVEY
215	232	DRAG	528	622	SPR. FIG. CHECK B.O.P. D.C. STRING.
232	430	DRAG	529	622	DRILLING 12 1/4 HOLE
430	445	SURVEY		622	RUN WIRE LINE SURVEY 3-9" D.C.
445	615	DRAG	622	632	DRILLING 12 1/4 HOLE 5-7 1/4 D.C.
615	630	SURVEY	622	632	RUN WIRE LINE SURVEY
630	800	DRAG	632	686	DRILLING 12 1/4 HOLE Rpm 180 - WOB 20m.

DAYWORK: HOURS 8 RATE DRG HOURS 8 RATE DRG HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
1500	CEL	100	8749				1	12 1/4	HTC OSC-3
25	LIME	500	8742						
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF.					
		EASTMAN	528	1/2	DRILLER'S SIGNATURE <u>John C. Smith</u>				
		"	632	1/2	MAN CREW				

SECOND TOUR FROM 800 A.M. TO 400 P.M.

TIME FROM	TO	OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
			FROM	TO	
800	830	DRAG	686	712	DRAG D.C. STRING
830	1100	TRAP			3-9" D.C.
1100	1115	PLANT			5-7 1/4 D.C.
1115	1200	TRAP			Rpm 180 - WOB 20m.
1200	230	DRAG	712	745	DRAG 3-9" D.C.
230	245	REPAIR			WORK ON PUMP
245	330	DRAG	745	775	DRAG CLEAN UP HOLE & TRAP

DAYWORK: HOURS 8 RATE DRG HOURS 8 RATE DRG HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
330	CEL	330	9047				1	12 1/4	OSC 3 43066
							2	12 1/4	OSC 3 77735
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF.					
		EASTCO	765	1/4	DRILLER'S SIGNATURE <u>John C. Smith</u>				

THIRD TOUR FROM 400 P.M. TO 1200 M.

TIME FROM	TO	OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
			FROM	TO	
400	445	TRAP	775		DRAG D.C. STRING
445	530	DRILLING		860	DRILLING 12 1/4 HOLE 3-9" D.C.
530	545	SURVEY	860		5-7 1/4 D.C.
545	800	DRILLING		1020	DRILLING 12 1/4 HOLE Rpm 180 - WOB 20m.
800	830	SURVEY	1020		DEVIATION SURVEY
830	1015	DRILLING		1140	DRILLING 12 1/4 HOLE
1015	1030	SURVEY	1140		DRAG 12 1/4 HOLE

DAYWORK: HOURS 8 RATE DRG HOURS 8 RATE DRG HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
400	CEL	400	9052				2	12 1/4	OSC 3 77735
	Water	1100	9152						
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF.					
		EASTCO	860	1/4	DRILLER'S SIGNATURE <u>John C. Smith</u>				
		"	1140	1/4	MAN CREW				

APPROVED

PAN AMERICAN REPRESENTATIVE

APPROVED

CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

 STANOLIND RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF DRILLING 24 HOUR PERIOD ENDING AT MIDNIGHT DEC 17 1961

 LEASE NAME Paradise Island River WELL NO. A-1 FIELD

 FIRST TOUR FROM 1200 M. TO 800 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
1200	230	Rig up			Rig up to SPUD w/ SHALE SHAKING GIRL
230	430	DRILL	60		DRILL
430	530				Pick up + make up 9" DC #2
530	545				SURVEY
545	800		60	105	DRILL
SPUD IN 12 1/4 hr @ 2:30 AM					
12-17-61					

 DAYWORK: HOURS 8 RATE DRL HOURS RATE HOURS W/D PIPE 8 1/2

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
K.B	to GROUND	17.40	40				1	12 1/4	HTC-OSC-3
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	After Boiler of 1 fireman				
		Eastman	60'	1/2	4 man crew				
				DRILLER'S SIGNATURE	[Signature]				

 SECOND TOUR FROM 700 A.M. TO 400 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
700	800				Pick up DC #3 9"
800	915	Survey			Run Survey @ 90'
915	1145	Drill			40' F
1145	1155	Drill			40' F
1155	1200	Drill			40' F
1200	1215	Drill			40' F
1215	1230	Drill			40' F
1230	1245	Drill			40' F
1245	1255	Drill			40' F
1255	1300	Drill			40' F
1300	1315	Drill			40' F
1315	1330	Drill			40' F
1330	1345	Drill			40' F
1345	1355	Drill			40' F
1355	1400	Drill			40' F
1400	1415	Drill			40' F
1415	1430	Drill			40' F
1430	1445	Drill			40' F
1445	1455	Drill			40' F
1455	1500	Drill			40' F
1500	1515	Drill			40' F
1515	1530	Drill			40' F
1530	1545	Drill			40' F
1545	1555	Drill			40' F
1555	1600	Drill			40' F
1600	1615	Drill			40' F
1615	1630	Drill			40' F
1630	1645	Drill			40' F
1645	1655	Drill			40' F
1655	1700	Drill			40' F
1700	1715	Drill			40' F
1715	1730	Drill			40' F
1730	1745	Drill			40' F
1745	1755	Drill			40' F
1755	1800	Drill			40' F
1800	1815	Drill			40' F
1815	1830	Drill			40' F
1830	1845	Drill			40' F
1845	1855	Drill			40' F
1855	1900	Drill			40' F
1900	1915	Drill			40' F
1915	1930	Drill			40' F
1930	1945	Drill			40' F
1945	1955	Drill			40' F
1955	2000	Drill			40' F
2000	2015	Drill			40' F
2015	2030	Drill			40' F
2030	2045	Drill			40' F
2045	2055	Drill			40' F
2055	2100	Drill			40' F
2100	2115	Drill			40' F
2115	2130	Drill			40' F
2130	2145	Drill			40' F
2145	2155	Drill			40' F
2155	2200	Drill			40' F
2200	2215	Drill			40' F
2215	2230	Drill			40' F
2230	2245	Drill			40' F
2245	2255	Drill			40' F
2255	2300	Drill			40' F
2300	2315	Drill			40' F
2315	2330	Drill			40' F
2330	2345	Drill			40' F
2345	2355	Drill			40' F
2355	2400	Drill			40' F

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
330	to GROUND	17.40	40				1	12 1/4	OSC 430LL
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	Drill 12 1/4 hole 5' every 100'				
		Eastman	40'	1/2	Pressure killed back 1000 psi				
				DRILLER'S SIGNATURE	[Signature]				

 THIRD TOUR FROM 1200 M. TO 1200 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	4:15	Maintenance	162		High Service
4:15	9:00	Drilling	341		Drill 12 1/4 hole 5' every 100'
9:00	9:45	Pressure	341		Pressure killed back 1000 psi
9:45	12:00	Drilling	416		Drill 12 1/4 hole 5' every 100'
TEST HYDRIC - OK					

 DAYWORK: HOURS 8 RATE DRL HOURS RATE HOURS W/D PIPE 8

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
150 lbs	Gel	7:00	28	17				12 1/4	HTC-OSC-3
75 lbs	lime	11:00	24	50					12 1/4
		DEVIATION INSTRUMENT	DEPTH	DEGREES OFF	Drill 12 1/4 hole 5' every 100'				
		Eastman	27'	1/2	Pressure killed back 1000 psi				
				DRILLER'S SIGNATURE	[Signature]				

APPROVED

PAN AMERICAN REPRESENTATIVE

APPROVED

CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

STANOLIND RIG NUMBER _____ CONTRACTOR'S NAME Bunkoff, II 2 24 HOUR PERIOD ENDING AT MIDNIGHT Dec 11 1961
 LEASE NAME Island River WELL NO. 0-1 FIELD N.W.T.

FIRST TOUR FROM 12:00 M. TO 8:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
					<u>Rig up. Build drill pipe on sub.</u>

DAYWORK: HOURS 8 RATE KU HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF					
							<u>8 hrs boiler</u>			
							<u>4 men E.I. fireman</u>			
							DRILLER'S SIGNATURE <u>D. E. Kuster</u>			

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
<u>8:00</u>	<u>4:00</u>	<u>Rig up</u>			<u>Rigging up HEAD up Conductor</u>
					<u>PIPE WITH HYDRIL MIX MUD</u>

DAYWORK: HOURS 8 RATE KU HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF					
							<u>8 hrs boiler</u>			
							<u>4 men E.I. fireman</u>			
							DRILLER'S SIGNATURE <u>D. E. Kuster</u>			

THIRD TOUR FROM 4:00 P.M. TO 12:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
<u>4:00</u>		<u>Rig up</u>			<u>RIGGING UP</u>
					<u>PICK UP KELLY & RAT HOLE C&R</u>
					<u>PICK UP 1-1/2" DC. MAKE UP 12 1/2' WRT.</u>
					<u>DRIVE PUMP</u>

DAYWORK: HOURS 8 RATE KU HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF					
							<u>1 12 1/2" HIGHGOSC, 4306L</u>			
							<u>Boiler. Turn E.I. fireman</u>			
							<u>TURN C&R</u>			
							DRILLER'S SIGNATURE <u>W. L. Kuster</u>			

APPROVED

PAN AMERICAN REPRESENTATIVE

APPROVED

CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION

DAILY DRILLING REPORT

STANOLIND RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF 24 HOUR PERIOD ENDING AT MIDNIGHT Dec 15 1961
 LEASE NAME ISLAND RIVER WELL NO. A-1 FIELD WILK

FIRST TOUR FROM 12:00 P.M. TO 8:00 A.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
12:00	8:00				R.G. & P. SET IN RAMP & TABLE - BUILD FALSE FLOOR

DAYWORK: HOURS 8 RATE RU HOURS RATE HOURS W/D PIPE

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF	B.H.S. Butler 4 men & 1 Foreman DRILLER'S SIGNATURE <u>Don Christie</u>				

SECOND TOUR FROM 8:00 A.M. TO 4:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
8:00	4:00				R.G. & P. SPLIT TO B.O.P. R.G. & P. mud tanks WELDER WORKING ON mud tanks

DAYWORK: HOURS 8 RATE RU HOURS RATE HOURS W/D PIPE

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF	B.H.S. Butler 4 men & 1 Foreman DRILLER'S SIGNATURE <u>John J. Nielsen</u>				

THIRD TOUR FROM 4:00 P.M. TO 12:00 P.M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
4:00	12:00				R.G. & P. WORK ON mud tanks & pumps

DAYWORK: HOURS 8 RATE RU HOURS RATE HOURS W/D PIPE

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF	B.H.S. Butler 4 men & 1 Foreman DRILLER'S SIGNATURE <u>George Walker</u>				

APPROVED lll. Brinkerhoff
 PAN AMERICAN REPRESENTATIVE

APPROVED
 CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

STANOLIND RIG NUMBER _____ CONTRACTOR'S NAME Shookerhoff #20 24 HOUR PERIOD ENDING AT MIDNIGHT Dec 1st 1961
LEASE NAME Island River WELL NO. A-1 FIELD N.W.T.

FIRST TOUR FROM 8:00 A.M. TO 5:00 P.M.

[illegible]

DAYWORK: HOURS 8 RATE 20 HOURS _____ RATE _____ HOURS W/D PIPE _____

[illegible]

SECOND TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
					Running up START FLOOR
					MOTOR - RAISE DERRICK
					15 men crew worked total 161 man hrs.

DAYWORK: HOURS 8 RATE 20 HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		8 hrs boiler	
								4 men & 1 fireman	
								DRILLER'S SIGNATURE <i>[Signature]</i>	

THIRD TOUR FROM 7 M. TO 12 M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
					RIGGING UP CHANGE HEADS & LINERS RIGGING PUMPS & PREPARE (16 HRS)
		b today	P.U. A.M.		

DAYWORK: HOURS 8 RATE 20 HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		8 hrs boiler	
								4 man, 1 foreman	
								DRILLER'S SIGNATURE J. H. Allen	

APPROVED [Signature]
PAN AMERICAN REPRESENTATIVE

APPROVED [Signature]
CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

STANOLIND RIG NUMBER _____ CONTRACTOR'S NAME Brinkerhoff Drilling 24 HOUR PERIOD Dec 12 1961
ENDING AT MIDNIGHT _____
LEASE NAME Island River WELL NO. A-1 FIELD N.W.T.

FIRST TOUR FROM 8:00 A.M. TO 4:00 P.M.

[illegible]

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF				
								DRILLER'S SIGNATURE <i>D. Christie</i>		

SECOND TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
					Drilling up. Finish laying water + steam lines. Start boiler.
					12 men crew & 2 firemen total 134 men hrs

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND	
								<i>8 hrs boiler w/1 fireman</i>			
		DEVIATION INSTRUMENT		DEPTH		DE-- OFF.					
								DRILLER'S SIGNATURE <i>[Signature]</i>			

THIRD TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
					Rigging up
					Weathered below.

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		8 hrs boiler w/ 1 fireman	
							DRILLER'S SIGNATURE: Arthur T. Hall		

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CONTRACTOR'S REPRESENTATIVE

LEASE NAME HAY HILL ISLAND #1 WELL NO. A-1 FIELD _____

FIRST TOUR FROM _____ M. TO _____ M.

[illegible]

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

[illegible]

SECOND TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
					RIGGING UP LAYING WATER, STEAM + FUEL LINES
					17 man crew worked total 136 man hrs

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

[illegible]

THIRD TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
		4 ⁵ day Log up,			Regressing up Putting up
					PREPABS ON STAND BY PUMP
					MAIN PUMP & P.S. FLOOR

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF			
								DRILLER'S SIGNATURE <i>Patterson T. Hall</i>	

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PAN AMERICAN REPRESENTATIVE

APPROVED [Signature]
CONTRACTOR'S REPRESENTATIVE

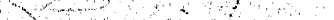
PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

STANOLIND RIG NUMBER 20 CONTRACTOR'S NAME Lowndes & Sons 24 HOUR PERIOD ENDING AT MIDNIGHT DEC 11 1961
LEASE NAME Pan Am Island River WELL NO. A-1 FIELD

FIRST TOUR FROM _____ M. TO _____ M.

[illegible]

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT			DEPTH		DEGREES-OFF			
									DRILLER'S SIGNATURE 	

SECOND TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION. WORK PERFORMED. CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED. UNUSUAL WEATHER CONDITIONS. OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
					Rigging up Cement Conductor
					PIPE.
					Run 40' of 20" conductor pipe cement & 85.04
					oilwell cement + 2% CaSO ₄
					Cementing X Halliburton
					17 man crew worked total 136 man hrs

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF				
								DRILLER'S SIGNATURE	<i>Rh. [Signature]</i>	

THIRD TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
					Rigging up Side Pumps + MUD TANKS + Rig up SAME.
					HRT Gordon Welding Service invoice #807 - 10 hrs welding on 20" conductor pipe for PAN-AM.

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF				
		DRILLER'S SIGNATURE								

APPROVED [Signature]
PAN AMERICAN REPRESENTATIVE

APPROVED _____
CONTRACTOR'S REPRESENTATIVE

FIRST TOUR FROM _____ M. TO _____ M.

[illegible]

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF				
								DRILLER'S SIGNATURE		

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
					RIGGING UP PINDERBICK
					17 men crew worked total 136 man hrs

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT			DEPTH		DEGREES OFF			
								DRILLER'S SIGNATURE 		

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
					RIGGING UP PIN DERRICK.
		End Day Rigging			ART GORDON'S WELDING SERVICE Bldg arriving 4:30 P.
					welding on conductor pipe for PAN-AM.

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF			
							DRILLER'S SIGNATURE <i>Arthur J. Holt</i>		

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CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

STANOLIND RIG NUMBER 20 CONTRACTOR'S NAME DRINKERHOFF INC 24 HOUR PERIOD ENDING AT MIDNIGHT DEC 9 1961
LEASE NAME PAN AM ISLAND RIVER WELL NO. A-1 FIELD

FIRST TOUR FROM _____ M. TO _____ M.

[illegible]

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF				
								DRILLER'S SIGNATURE		

SECOND TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW, IN MUD, ETC.
FROM	TO		FROM	TO	
					lay matting on load trucks. fine sub structure report.
					19 man crew total 170 man hrs.

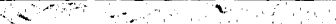
DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF				
								DRILLER'S SIGNATURE <i>R. L. H. T. Hall</i>		

THIRD TOUR FROM _____ M. TO _____ M.

[illegible]

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF			
								DRILLER'S SIGNATURE 	

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PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

STANOLIND RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF INC 24 HOUR PERIOD ENDING AT MIDNIGHT DEC 8 1961
LEASE NAME PAN AM ISLAND RIVER WELL NO. A-1 FIELD _____

FIRST TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
					loading out at Machine #1

DAYWORK: HOURS 8 RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF				
						DRILLER'S SIGNATURE <u>[Signature]</u>			

SECOND TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	

DAYWORK: HOURS _____ RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF				
						DRILLER'S SIGNATURE _____			

THIRD TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
					Load Trucks at Island River A-1
					Set up trailer - level site - chg. path

DAYWORK: HOURS 8 RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE	BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH	DEGREES OFF				
						11-man crew			
						DRILLER'S SIGNATURE _____			

APPROVED [Signature]
PAN AMERICAN REPRESENTATIVE

APPROVED [Signature]
CONTRACTOR'S REPRESENTATIVE

PAN AMERICAN PETROLEUM CORPORATION
DAILY DRILLING REPORT

STANOLIND RIG NUMBER 20 CONTRACTOR'S NAME BRINKERHOFF DELG 24 HOUR PERIOD ENDING AT MIDNIGHT DEC 7 1961
LEASE NAME Pan Am Island River WELL NO. A-1 FIELD

FIRST TOUR FROM _____ M. TO _____ M.

[illegible]

DAYWORK: HOURS 8 RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

[illegible]

SECOND TOUR FROM _____ M. TO _____ M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
					Set up camp at Island River A-1

DAYWORK: HOURS 2 RATE HOURS RATE HOURS W/D PIPE

[illegible]

THIRD TOUR FROM CV M. TO M.

TIME		OPERATION	DEPTH		DESCRIPTION OF FORMATION, WORK PERFORMED, CONDITION OF HOLE, DIFFICULTIES ENCOUNTERED, UNUSUAL WEATHER CONDITIONS, OIL OR GAS SHOW IN MUD, ETC.
FROM	TO		FROM	TO	
					2-4-56 at Island Tower H-1
					8 man crew 10 hrs

DAYWORK: HOURS 0 RATE _____ HOURS _____ RATE _____ HOURS W/D PIPE _____

QUANTITY	MUD MATERIAL ADDED	TIME	WT.	VIS.	FL. LOSS	CAKE		BIT NO.	SIZE	KIND
		DEVIATION INSTRUMENT		DEPTH		DEGREES OFF		<i>Bitter Creek.</i>		
								DRILLER'S SIGNATURE:		

APPROVED

Old Link #8

PAN AMERICAN REPRESENTATIVE

APPROVED

E. lewinii

CONTRACTOR'S REPRESENTATIVE