

Drilling Authority No. 372
Date issued 2 May 1969

WELL NAME Pan Az Flott 2-19

FIELD
LOCATION: U.M.S. N Area Section 19 Grid 60-40-123-45
Latitude 60-38-48.25 Longitude 123-48-06.54
U.M.L.R. 60.64673 --- 123.80182
U.M.I. 3000196040123450

Rig Release Date:

Status:

Information Release Date:

CHANGE OF NAME

DATE RECEIVED	INDEX
2/5/69	Application for a Drilling Authority. Well Completion Data. Well History Report. Application to Amend a Drilling Authority.
22-7-69	Application to change a Well Name.
1/12/69	Application to Abandon a Well or Suspend Drilling.
7/1/70	Application to Alter Condition of a Well. Well History Supplement. Well Completion Data. Work-over Report No. Application to Commingle Production before Measurement. Data for Back Pressure Test on Natural Gas Wells -- Monograph 7 Method. Data for Back Pressure Test on Natural Gas Wells -- Vittori's Method. M.P.R. - Oil - Calculations. New Oil Well Report. New Gas Well Report. Well Inspection Report. Rig Inspection Report. Battery Inspection Report. Equipment Report. Well Card. New Service Well Report. Monthly Water Flood Operations Report Monthly Water Receipts and Disposal of Fluids Report Logs. Large scale..... Small scale.....



Drilling Authority No. 372
Date Issued May 2, 1969

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Page 1 of 2

WELL COMPLETION DATA

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

Well name and number **Amoco Flatz N-19**
Permit No. **2520** Lease No. **3772 (Company)**
Pan American Petroleum Corporation Exploratory Licence No. **1231**
(Permitter, Licensee, Lessee)
Amoco Canada Petroleum Co. Ltd. Exploratory Licence No. **1335**
(Operator)
Location: Unit **N** Section **19** Grid **60°49'; 123°49'**
Latitude **60°38'48.25"** Longitude **123°48' 06.54"**
From Established Reference Marker **Trig Station Sully**
Universal Well Location Reference Lat. **60.64673°N** Long. **123.80182°W**
Position **Middle Devonian Carbonate**
Interval(s) open to production
Spudded **Aug 11/69**
Suspended **-----** **N/A**
Resumed Operations **-----**
Finished Drilling **Nov 10/69 4900**
Deepened **-----** Elevation: Gr. **2535** K.B. **2553.25**
Complete (gas/oil) **-----** Rig No. **2**
Abandoned **Nov 16/69** Drilling Contractor **Keen Drilling Limited**
Rig released **Nov 17/69** Contractor's Business Licence No. **0594**

CASING RECORD

Casing Size (Inches)	Grade	Weight	Amount	Set at -	Sacks of Cement and Additives
1. 13 3/8	J-55	54.5	1038.09	1046	100 sx N.O.W. + 2% CaCl ₂
2. 9 5/8	J-55	40	4600.39	4590	500 sx N.O.W.
3.					
4.					
5.					
6.					

GEOLOGICAL TOPS

ELEVATION

CORE RECORD

	Depth	Sub-Sea	From	To	Rec.	From	To	Rec.
KB	0	-2553	4730	4740	9.3'			
Gr.	18	-2535	4770	4775	5'			
1st Black	2020	-533	4775	4800	25'			
2nd Black	3915	-1362	4840	4847	7'			
Mid Dev. Carbonate	4693	-2140						
TD	4900	-2347						

LOG RECORD

Run No.	Type of Log	From	To
1	Gamma Ray-Neutron	4902	50
1	Continuous Dipmeter (Computed)	4892	4587
1	Borehole Compensated Sonic Log	4894	4587
1	Velocity Survey	4894	4587

CEMENTING RECORD (Plug, Squeeze, etc.)				PERFORATING RECORD (Bullet, Jet)				SERVICING RECORD (Acidizing, Fishing, etc.)			
Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
Nov 14/69	4900	4704	100 sz N.O.W.								
Nov 16/69	4530	4330	103 sz N.O.W.								
Nov 17/69	Surface		5 sz in 9 5/8" casing								
			5 sz btwn 9 5/8" casing								
			& 13 3/8" casing								
Oct 10/69			120 sz cement + 25% sand								
			tagged plug at 4502'								
			drill out cement to 4600'								

DRILL STEEL TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	P.S.I. Mins.	I.S.I.R.P. F.S.I.R.H.P.	LF.R.H.P.	F.F.R.H.P.	I.H.P.	F.H.P.	REMARKS
1	Nov 13/69	Nahanni	4780	4900	180	100	60	1334	1326	1313	1342	1344	PP - 3 mins., good air blow within 5 mins., decreasing to nil within 75 mins. recovered 2732' of salt water - 120' inhibited water.

ANALYSIS

Lab. No.	Sample	From	To	Source	Breaks	PRESENT STATUS OF WELL
GNP-4-4903	Core	4730	4740	Core #1		Oil
" " "	"	4770	4800	Core #2 & #3	See Analysis	nil (Interval)
" " "	"	4840	4847	Core #4	"	Gas
E69-11621-1	Water	4780	4900	DGT #1 (make up water from creek)	"	nil (Interval)
" " -2	"	"	"	DST #1 (top)	"	Dry
						Susp.

Company **Assico Canada Petroleum Company Limited**

Signed by *[Signature]*

Title **Area Foreman**

Date **Nov 7, 1969**

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

THE UNIVERSITY OF CHICAGO

Date	From	To	Remarks
Oct. 12/69	4600	4450	775 ex cement 160x wash 20-40 sand tagged at 4461'
Oct. 15/69			80 ex cement (red plug) + 40 ex N.O.W. tagged at 4560 drill cement to 4579'
Nov. 3/69	4626	4576	50 sacks cement.

Oct. 15/69

Nov: 3/69 4626 4576 50 sacks cement.

DRILL & TEST PLATS

[illegible]

ANALYSIS

Lab. No.	Sample	From	To	Source
E69-11621-3	Water	4780	4900	DST #1 (middle)
" "	"	"	"	DST #1 (bottom)

PRESBYTERIAN CHURCH OF AMERICA

Oil	nil	(Interest)
Gas	nil	(Interest)
Dry	x	abandoned
Susp.	N/A	

Company Assoc Canada Petroleum Company Limited

Signed by _____

Title: ALAN LUTHER

1111

Forms to be prepared in duplicate and forwarded to the Civil
Construction Engineer, Calgary, Alberta.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

RESOURCE MANAGEMENT DIVISION

OIL AND GAS REGULATION

Application to Abandon a Well

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

Name and number of well Amoco Fleet H-19
Location: Unit M Section 19 Grid 60°40'N; 123°45'W
Latitude 60°36' 42.13" Longitude 123°45' 06.54"
From Established Reference Marker Trig Station Bully
Universal Well Location Reference Lat. 60.61171° N Long. 123.80182° W
Permit No. 2320 Lease No.

Pan American Petroleum Corporation
(Production, Leasehold, Interest)

Date of commencement of proposed program November 15, 1969

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at nil

Gas at nil

Water at nil

Total Depth 4900

Date of last operations November 17, 1969

Present condition of well Abandoned

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At	Notes of Cement and Additives	Amount Packed
1. <u>13 3/8</u>	<u>54.5</u>	<u>32 jts.</u>	<u>1046</u>	<u>1000 sac + 21 CaCl₂</u>	<u>Nil</u>
2. <u>9 5/8</u>	<u>40</u>	<u>100 jts.</u>	<u>4390</u>	<u>500 sac cement</u>	<u>Nil</u>
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

No.	Flag Position	Geological Formation	Number of Sections of Cement	Remarks
<u>1</u>	<u>4900 - 4704</u>	<u>H1d Devonian Carbonate</u>	<u>100 sec</u>	
<u>2</u>	<u>4530 - 4330</u>	<u>Bottom of 9 5/8" casg.</u>	<u>105 sec</u>	
<u>3</u>	<u>top</u>	<u>casg top</u>	<u>100 plus 100 in samples</u>	
	<u>cut off casg 4' below grd. weld on cover plate, erect marker</u>			

The following logs have been run SHC Sonic Gr Cal, 4 are Dipmeter, Velocity survey
Other operations proposed nil

Operations to be carried out by Keen Drilling Ltd. Contractor Licence No. 0594
Address Edmonton, Alberta Address
Responsible Agent in field A.F. Eslen 9916A Richmond Avenue, Grande Prairie
Dated at Grande Prairie, this 25 Day of November, 19 69
Signed by G.F. Holman (Signature) Company Amoco Canada Petroleum Co. Ltd.
Title Area Foreman Operator's Exploratory Licence No. 1335
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:

Confirming oral approval given by Mr. B.H.J. Thoms
on the 13th November 1969.

Dated 1st December, 19 69

B.H.J. Thoms
Oil Conservation Engineer

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



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

Application to Change a Well Name

Application is made hereby to change the name of the well, recorded in the Well-names Register as—

Pan Am Flatt H-19

(Old name)

to

Amoco Flatt H-19

(Proposed new name)

Well Location

Location: Unit N Section 19 Grid 60°40'; 123°45'
Latitude 60° 38' 46.25" Longitude 123° 48' 06.54"
From Established Reference Marker Trig Station Sully
Universal Well Location Reference Lat. 60.64671°N, Long. 123.80184°W

Reason for Changing Well Name

To reflect Pan American Petroleum Corporation's change in name to
Amoco Canada Petroleum Company Ltd. effective July 1, 1969 on the well
name.

Dated at Grande Prairie this 11 day of July 19 69

Signed by [Signature]

Title Drilling Foreman

Company Amoco Canada Petroleum Company Ltd.

(For Resource Management Division use only)

APPROVED

This application has been examined and approved:

Date 22nd July, 19 69

[Signature]
Oil Conservation Engineer

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



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

Application for a Drilling Authority

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

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

Name and number of well **Pan Am Flatt E-19**

Location Unit **II** Section **19** Grid **123°45'W 60°40'N**

Latitude **60° 38' 48.35"** Longitude **123° 48' 06.54"**

From Established Reference Marker **Trig Station Sully**

Universal Well Location Reference **Lat. 60.64673° N., Long. 123.80152° W.**

Elevation Ground **2335** K.B. **N/A**

Feet above sea level.

Well is expected to produce from **Middle Devonian Carbonate**

formation at a depth

of about **8500**

feet

Expected total final depth

8500

Area assigned to well

(For Oil Conservation Engineer's use only)

Permit No. **2520**

Lease No.

Acres **31405**

Permitter, licensee, or lease **Pan American Petroleum Corporation**

Exploratory Licence No. **1231**

Surface owned by Crown or

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

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

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

Casing Size O.D. (Inches)	Weight (Lb./Yd.)	Size	Material	Estimated Depth	Notes of Cement
1. 20	54	N-40	Box	10	To surface
2. 13 3/8	54.5	N-55	Box	1000	"
3. 9 5/8	40	"	"	5048	As req'd
4. 7	26	N-80	"	Top of last	"
5. 7	23	"	"	8-7150	"
6. 7	26	"	"	7150-8500	"

Expected water, gas, and oil horizons and type of control equipment

Middle Devonian Carbonate Gas

Drilling Mud & Blowout preventors

1 hydril & 1 double gate Schaeffer Hydril with remote control

Well will be drilled with Rotary Rig No.

by

N/A

(Drilling Contractor or company)

Responsible agent of applicant:

Contractor's business Licence No.

At well **J.A. Scharff**

At registered office **34832**

Address **9916A Richardson Avenue**

Address **34832**

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

Dated at **Grande Prairie**

this **23**

day of

April

19 69

Signed by

Company **Pan American Petroleum Corporation**

Title **Drilling Foreman**

Operator's Licence No. **1231**

(For Resource Management Division use only)

APPROVED

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

1. The Company will submit to this office, on Tuesday of each week, the latest reports received by radio on the progress of the well.
2. During well drilling and testing operations every effort shall be made to ensure that

Dated **2nd May**

1969

(for)

Oil Conservation Engineer

(over)

Forms to be submitted to Oil Conservation Engineer,

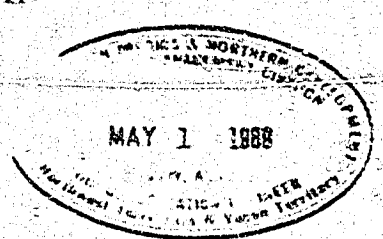
Department of Indian Affairs and Northern Development, Calgary, Alberta.

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PLAN OF SURVEY OF
PAN AM FLETT N - 19
WELL SITE
IN THEOR.

UNIT N, SECTION 19, GRID 60°40'N 123°45'W

PAN AMERICAN PETROLEUM CORPORATION

SIGNATURES

Victor P. Pater, P. Eng. *R. B. Warshaw*
PAN AMERICAN PETROLEUM CORPORATION

I certify that the survey represented by this plan is correct and true and was carried out between APRIL 7, and APRIL 10, 1968.

[Signature] D.L.S.
[Signature] Witness

ELEVATION

on ground in center of Well Site
TOP OF I.B. CORNER WELL SITE TO FOLLOW
TOP OF I.B. CORNER WELL SITE
REV. ELEV.

CO ORDINATES

Well is located
330' 100' NORTH OF SOUTH Bdy
and 315' 100' EAST OF WEST Bdy
OF THEOR. UNIT N, SEC. 19, GRID 60°40'N 123°45'W

WHITE, HOSFORD & IMPEY LTD.
GRANDE PRAIRIE WHITEHORSE

AREAS REQUIRED

Well Site Acres
Access Road Acres

LEGEND

Planted Iron Bars
Found Iron Bars
Found Survey Monuments

Job No 6745 Date APRIL 21, 1969

Total Acres

SCALE 1" = 400'



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

Application for a Drilling Authority

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

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

Name and number of well **Perm Am Fleet B-19**

Location Unit **B** Section **19** Grid **123°45'W 60°40'N**

Latitude **60° 38'48.25"** Longitude **123° 42' 06.54"**

From Established Reference Marker **Trig Station Sully**

Universal Well Location Reference **Lat. 60.64673° N., Long. 123.80192° W.**

Elevation Ground **2535** **K.B.** **N/A** feet above sea level.

Well is expected to produce from **Middle Devonian Carbonate** formation at a depth of about **5500** feet. Expected total final depth **5500**

Area assigned to well

(See Oil Conservation Engineer's use only)

Permit No. **2520** Lease No. **31405** Acreage **31405**

Permitter, licensee, or lease **Perm American Petroleum Corporation**

Exploratory Licence No. **1231**

Surface owned by Crown or

(If obtained submit name and address of owner and occupant)

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

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

Casing Size O.D. (Inches)	Weight (Lb./Yr.)	Grade	New or Used	Estimated Depth	Notes or Comments
1. 20	94	H-40	New	30	To surface
2. 13 3/8	54.5	K-55	New	1000	"
3. 9 5/8	40	"	"	5048	As req'd
4. 7	25	H-80	"	Top total	"
5. 7	26	"	"	0-7150	"
				7150-8500	"

Expected water, gas, and oil horizons and type of control equipment

Middle Devonian Carbonate Gas

Drilling Mud & Blowout preventors

1 hydral & 1 double gate Schaeffer Hydral with remote control

Well will be drilled with Rotary Rig No. **by** **N/A**

(Drilling Contractor or company)

Responsible agent of applicant:

Contractor's business Licence No.

At well **J.A. Scharff**

At registered office **N/A**

Address **9916A Richardson Avenue**

Address **N/A**

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

Dated at **Grande Prairie** this **25** day of **April** 1969

Signed by **J.A. Scharff** Company **Perm American Petroleum Corporation**

Title **Drilling Foreman** Operator's Licence No. **1231**

(For Resource Management Division use only)

APPROVED

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

- The Company will submit to this office, on Tuesday of each week, the latest reports received by radio on the progress of the well.
- During well drilling and testing operations every effort shall be made to ensure that

Dated **2nd May** 1969 (for) Oil Conservation Engineer (over)

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

drilling fluid, chemicals and wastes shall be disposed of or contained in a manner that will prevent the contamination of adjacent vegetation and surface or sub-surface waters.

3. We draw your attention to Sections 94 and 96 of the Canada Oil and Gas Land Regulations.

(For) Oil Conservation Engineer

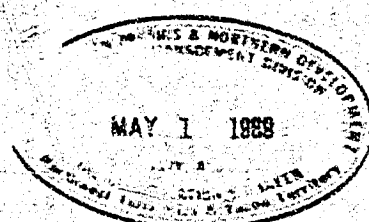
M

N

O

K

LOCATED BY TRAVERSE FROM IRIG STATION



PLAN OF SURVEY OF
PAN AM FLETT N - 19
WELL SITE
IN THEOR.

UNIT N, SECTION 19, GRID 60°40'N 123°45'W

PAN AMERICAN PETROLEUM CORPORATION

SIGNATURES

Victor P. Pong *R. L. Warshaw*
PAN AMERICAN PETROLEUM CORPORATION

Certify that the survey represented by this plan was made and true and was carried out between APRIL 7 and APRIL 10, 1969.

[Signature] D.I.S.
[Signature] Witness

ELEVATION

on ground in center of Well Site
TOP OF I.R. CORNER WELL SITE
TOP OF I.R. CORNER WELL SITE
MEAN ELEV. TO FOLLOW

CO ORDINATES

Well is located
330' feet NORTH of SOUTH Bdy.
and 515' feet EAST of WEST Bdy.
OF THEOR. UNIT N, SEC. 19, GRID 60°40'N 123°45'W

WHITE, HOSFORD & IMPEY LTD.
GRANDE PRAIRIE WHITEHORSE

Well Site
Access Road

AREAS REQUIRED

Acres
Acres

Planted Iron Bars
Found Iron Bars
Found Survey Monuments

Job No. 6945

Date APRIL 21, 1969

Total Acres

Acres

SCALE 1"=400'

AMCO PLATT N-19

UNIT N SEC. 19 GRID 50 40 1 12 4 1

NORTHWEST TERRITORIES

Amco.

AMOCO FLETT N-19
UNIT N SEC. 19 GRID 60°40'; 122°45'
NORTHWEST TERRITORIES

Amoco.

WELL HISTORY REPORT

AMOCO WELL N-19
UNIT N SEC. 19 GRID 60° 40'; 123° 45'
NORTHWEST TERRITORIES

BY:
M.N. Greer
Professional Assistant

Approved by:

A.P. Holan
Area Foreman



AMOCO CANADA PETROLEUM COMPANY LTD.
444 - 7th Ave. S.W.
Calgary 2, Alberta

I N D E X

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A T T A C H M E N T S

Geological Summary

Core Analysis

Water Analysis

WELL HISTORY
REPORT

Section I - Summary of Well Data

(a) Well Name and Number

Amoco Flett N-19

(b) Permittee

Pan American Petroleum Corporation

(c) Operator

Amoco Canada Petroleum Company Ltd.

(d) Location

Unit N Section 19 Grid 60°40'; 123°45'

Latitude 60°38'48.25" Longitude 123°48'06.54"

From established reference marker "Trig Station Sully"

Universal Well Location Reference - Lat. 60.64673°N Long. 123.80182°W

Unique Well Identifier - 300N196040123450

(e) Co-ordinates

330' North of South Boundary 515' East of West Boundary of Unit N
Section 19 Grid 123°45'W 60°40'N.

(f) Permit No.

2520

(g) Drilling Contractor

Name: Keen Drilling Limited

Rig: #2

Type: Rotary

(h) Drilling Authority

No. 372

Date of issue May 2, 1969

(i) Classification

Wildcat Exploratory

(j) Elevation

Ground: 2535
K.B.: 2551.25

(k) Spudded

August 11, 1969

(l) Completed Drilling

November 10, 1969

(m) Depth

T.D. 4900'
Loggers T.D. 4902' (Gamma Ray-Neutron log)

(n) Well Status

Abandoned

(o) Rig Released

November 17, 1969

(p) Hole Size

17 1/2" 0' - 1046'
12 1/4" 1046' - 4725' (plugged off & whipstocked to 4740')
8 1/2" 4740' - 4900'

(q) Casing

Casing Size:	10 5/8"	Casing Size:	9 5/8"
Grade:	J-55	Grade:	J-55
Weight:	54.5#	Weight:	40#
Amount:	1038.09' (includes 3.27' for shoe and collar)	Amount:	4600.39'
Set at:	1046'	Set at:	4590'

Section II - Geological Summary

GEOLOGICAL TOPS

ELEVATION

	<u>DEPTH</u>	<u>SUB-SEA</u>
KB	0	2553.25'
1st Black	2020	553
2nd Black	3915	-1362
Mid Devonian Carbonate	4693	-2140
TD	4900	

Section III - Engineering Summary

(a) Drill Stem Tests

DST #1 November 13, 1969 4780' - 4900'

PF - 5 mins., VO - 180 mins., ISI 100 mins., ISIP - 1334, IFP - 434,
IHP - 1342, FSI - 60 mins., FSIP - 1326, FFF - 1313, FHF - 1344

Remarks - Good air blow within 5 mins. decreasing to nil in 75 mins.,
recovered 2732' of salt water - 120' of inhibited water.

(b) Casing Record

Surface Casing

Hole Size: 17 1/2"
Casing size 13 3/8"
Weight: 54.5#
Grade: J-55
Joints run 32
KB setting depth 1046'
Cement & additives 100 sx + 2% CaCl₂
Date run: August 19, 1969 - August 20, 1969
Date cemented: August 20, 1969

Intermediate Casing

Hole size: 12 1/4"
Casing size: 9 5/8"
Weight 40#
Grade: J-55
Joints run 100
KB setting depth 4590'
Cement & additives 500 sx N.O.W.
Date run: November 4, 1969
Date cement: November 5, 1969

(c) Bit Record

BIT NO.	SIZE	TYPE	MAKE	IN	OUT	FT.	HOURS
1	12 1/4"	SSIG-J	Reed	0	133	133	13 1/2
2	12 1/4	SSIG-J	Reed	133	249	116	10
3	17 1/2	H-7-J	Reed	133	720	471	43 1/4
						1168	
4	17 1/2	H-7-J	Reed	720	1046	326	34 1/4
5	12 1/4	STIAG-J	Reed	1046	1248	202	23 3/4
6	12 1/4	STIAG-J	Reed	1248	2016	768	73
7	12 1/4	STIAG-J	Reed	2016	2198	182	20 1/2
8	12 1/4	M4N	Security		Clean out fill		
GRR	12 1/4	STIAG-J	Reed		Condition hole		
GRR	12 1/4	STIAG-J	Reed	2198	2391	193	27 3/4
9	12 1/4	SSIG-J	Reed	2391	2737	346	48 3/4
10	12 1/4	S4TG	Security	2737	3086	349	35 3/4
11	12 1/4	S4TG	Security	3086	3455	369	36
12	12 1/4	M4NG	Security	3455	3832	377	43 1/2
13	12 1/4	S44	Security	3832	4100	268	31 1/4
14	12 1/4	SSIG-J	Reed	4100	4147	47	30 1/4
15	12 1/4	M86	Security	4147	4459	312	59 1/4
16	12 1/4	X55R	H.W.	4459	4610	151	37 1/4
	This Section of Hole is Plugged				4725	115	
10RR	12 1/4	S4TG	Security		Clean hole & circulate		
17	8 1/2	YSIG-J	Reed		Drill past whipstock to 2935'		
10RR	12 1/4	S4TG	Security		Chase whipstock to 3124'		
17RR	8 1/2	YSIG-J	Reed		Chase whipstock to 4640'		
10RR	12 1/4	S4TG	Security		Circulate hole		
12RR	12 1/4	M4NG	Security		Circulate & drill cement		
18	12 1/4	YMG-J	Reed		Condition hole & drill w/ Dyna Drill		
19	8 5/8	YSI	Reed	4610	4634	24	13 1/2
20	12 1/4	opener	Reed	4620	4628	8 R	3 1/2
18RR	12 1/4	YMG-J	Reed	4620	4635	1	1 1/4
						14 R	
16RR	12 1/4	YMG-J	Reed		Circulate hole		
21	8 5/8	YSI	Reed	4635	4651	16	14
22	8 1/2	YHG	Reed	4651	4679	28	7
20RR	12 1/4	hole opener	Reed	4640	4662	22 R	5
21RR	8 5/8	YSI	Reed	4662	4664	2 R	1
23	12 1/4	YHG-J	Reed	4664	4704	25	17 3/4
						15 R	
24	8 1/2	YHG	Reed	4704	4730	26	11
25	6 3/16	Dia	Christensen	4730	4740	10	3
23RR	12 1/4	YHG-J	Reed	4740	Clean hole		

BIT NO.	SIZE	TYPE	MAKE	IN	OUT	FT.	HOURS
6RR	12 1/4	STIAG	Reed	Circulate hole			
26	8 1/2	YHWC-J	Reed	4740	4770	30	6 1/2
25RA	6 3/16	Dia	Christensen	4770	4775	5	1
25RR	6 3/16	Dia	Christensen	4775	4800	25	5 3/4
26RR	8 1/2	YHWC-J	Reed	4770	4840	40. 30 R	6
25RR	6 3/16	Dia	Christensen	4840	4850	10	1 3/4
26RR	8 1/2	YHWC-J	Reed	4850	4900	50	3 3/4
26RR	8 1/2	YHWC-J	Reed	Tag Bottom			
Total						4900	672 3/4

*R - Reamed hole.

(d) Mud Report

Type: Aquagel (bentonite) Ben-Ex
Quantity: 3105 sxs (100# units) 130 sxs

(e) Deviation Record

DEPTH	DEVIATION (Degrees)	DEPTH	DEVIATION (Degrees)
70	1/2	815	1 1/8
100	1	844	7/8
133	1	874	1 1/8
161	7/8	934	1/2
189	1	965	1 1/4
208	1	1139	7/8
253	1 1/4	1229	1
294	1 1/8	1319	1
325	3/4	1411	3/4
350	3/4	1625	7/8
410	1	1716	1 1/2
470	1 3/4	1806	1
507	1 1/4	1897	1
538	1 1/2	1986	1
570	1 1/2	2015	1 1/8
600	1 3/4	2106	1
630	1 1/4	2263	1 7/8
660	1	2293	2 1/2
692	1 1/4	2320	2 1/4
720	1 1/2	2350	1 3/4
784	1 1/8	2360	2 1/4

DEPTH	DEVIATION (Degrees)	DEPTH	DEVIATION (Degrees)
2414	2	3498	1 1/2
2444	2 1/2	3559	2
2474	2 1/4	3621	2 3/4
2500	2 1/2	3681	1 7/8
2530	2 1/4	3742	1 1/2
2565	2 1/2	3802	2
2595	2 1/8	3832	2
2626	1 1/2	3894	1 7/8
2680	3	3923	2
2710	3 1/8	3984	3
2737	3 1/4	4075	3
2773	2 7/8	4135	2 1/2
2800	3	4195	2 3/4
2830	1 7/8	4317	2
2863	3	4386	1 1/2
2893	2 7/8	4438	1 3/4
2924	2 1/2	4529	1 5/8
2954	2 3/4	4618	1 3/4
2984	2 1/2	4677	1/2
3015	3	4628	5
3135	2 1/4	4635	2 1/2
3196	3	4640	4 1/2
3250	2 3/4	4650	6 1/2
3318	2 1/8	4667	6 3/4
3378	2 1/4	4679	7 1/4
3430	1 3/4		

(f) Abandonment Plugs

November 3, 1969 - 4526 - 4576' - 50 sxs cement drill out to 4590'
(this plug was set to separate lower hole lost circulation zone before cementing 9 5/8" casing.

November 14, 1969 4900 - 4704 - 100 sx N.O.W.

November 15, 1969 Bridge plug lost in hole

November 15, 1969 4530 - run bridge plug

November 16, 1969 4530 - 4330 - 105 sxs N.O.W.

November 17, 1969 surface 5 sxs in 9 5/8" casing

" 5 sxs between 9 5/8" & 13 3/8" casing

October 10, 1969 120 sxs cement + 25% sand tagged plug at 4502'
drill out to 4600'

October 12, 1969 4600 - 4450' - 77 sxs cement + 16 sxs mesh 20 - 40
sand tagged at 4441'

October 15, 1969 - 80 sxs cement (red plug) + 40 sxs N.O.W. tagged at
4560' drill out to 4379'

(g) Lost Circulation Zones

4725' - diesel gel plug #1 150 sxs gel + 40 bbls diesel
#2 160 sxs gel + 60 bbls diesel
#3 156 sxs gel + 55 bbls diesel

4704' - (complete) corrected with the use of sawdust & Kwikseal
2590 - 2620'

4705 - Corrected with the use of Kwikseal & Sawdust (lost circulation
material dropped through rotary table.)

(h) Report of Blowouts

NIL

Section IV - Logs

<u>DATE</u>	<u>RUN NO.</u>	<u>TYPE</u>	<u>INTERVAL</u>
Nov. 11, 1969	1	Gamma Ray-Neutron	4902 - 50
Nov. 14, 1969	1	Continuous Dipmeter computed	4892 - 4587
Nov. 14, 1969	1	Borehole Compensated Sonic log (Gamma Ray-Neutron)	4894 - 4587

NOTE: 1. Loggers are 2' overdepth on Gamma Ray-Neutron Log, possibly due to
elongation of the logging line.
2. Gamma Ray-Neutron Log was run through casing through pipe - as a
result the log is of poor quality.

Section V - Analysis

- (a) Core Analysis - See attached
- (b) Water Analysis - See attached
- (c) Gas Analysis - NIL
- (d) Oil Analysis - NIL

Section VI - Completion Summary

(a) Tubing Record

N/A

(b) Perforation Record

N/A

(c) Cementation Record

N/A

(d) Acidization and Fracturing Record

N/A

(e) Back Pressure and Production Tests

N/A

AMOCO FLEET N-1)
UNIT N SEC. 13 CHD 60°40'; 123°45'
N.W.T.

CORE DESCRIPTIONS

Core #2 4,770 - 4,775' Cut 5.0', recovered 4.5'

4,770 - 4,770.7
Limey dolomite, mottled light gray to gray-white; fine to coarse crystalline; with coarse crystalline sparry Ca crystals; interstices partially infilled with black carbonaceous material; fair vuggy porosity, pin point to $\frac{1}{8}$ "; occasional stylolites; trace of very finely disseminated pyrite; porosity 1 - 3%.

4,770.7 - 4,771.2
Milky white to clear, coarse crystalline, secondary sparry Ca. vug or fracture infilling, fair vuggy porosity with occasional vugs to $\frac{1}{8}$ "; porosity 1 - 3%.

4,771.2 - 4,771.6
Limey dolomite, mottled light gray to milky white; fine to coarse crystalline; interstices partially infilled with black carbonaceous material; trace of very finely disseminated pyrite; occasional stylolite; good vuggy porosity, partially infilled with euhedral sparry Ca crystals; porosity 2 - 4%; vugs partially lined by black carbonaceous coating.

4,771.6 - 4,772.9
Limey dolomite, light gray to gray-white; very fine to fine crystalline, with occasional blebs light brown - gray, very fine crystalline dolomite; milky white to clear, coarse crystalline, sparry Ca infilled vugs and fractures, hairline to $\frac{1}{8}$ "; vugs pin point to $\frac{1}{8}$ "; porosity 0 - 1% from 4,771.6 to 4,772.1'; from 4,772.1 to 4,772.9' occasional isolated vugs pin point to $\frac{1}{8}$ " generally tight; some evidence of brecciation.

4,772.9 - 4,774.5
Limey dolomite, light brown-gray, fine crystalline with abundant (75%) milky white to clear, coarse crystalline limey dolomite and sparry Ca (as vug infilling); occasional stylolite; fair vuggy porosity, pin point to $\frac{1}{8}$ "; partially infilled with euhedral fine to coarse crystalline, sparry Ca crystals; porosity 1 - 3%.

NOTE: No apparent gas bubbles or fetid odor, core has slight salty taste.

Core #3 4,775 - 4,800' Cut 25.0', recovered 25.0'

4,775 - 4,777.5
Limey dolomite, medium brown-gray to gray-white, very fine to coarse crystalline, trace of very finely disseminated pyrite, trace of intercrystalline porosity with occasional vugs pin point to $\frac{1}{8}$ "; interstices mainly infilled with black carbonaceous material (gilsonite?); abundant patchy milky white to clear coarse crystalline, secondary dolomite and sparry Ca infilling; stylolites common; few hairline to thin infilled fractures; generally tight; porosity less than 1%.

Core Descriptions cont. Core #3

- 4,777.5 -
4,780.0
Limy dolomite as above, very fine to medium crystalline, with some coarse crystalline; abundant milky white to clear, coarse crystalline dolomite and sparry Ca patches as vug and fracture infilling; stylolites common; trace of very finely disseminated pyrite; few thin to hairline infilled fractures, trace of intercrystalline porosity but mainly infilled interstices with black carbonaceous material or sparry Ca; trace of vuggy porosity pin point to 1/8" partially lined with euhedral sparry Ca crystals; few vugs to 1/4" at 4,779' but mainly infilled by coarse crystalline euhedral sparry Ca and dolomite, i.e., few secluded vugs but no effective porosity; less than 1%.
- 4,780.0 -
4,782.5
Limy dolomite as above, medium brown-grey, mainly very fine to medium crystalline with some coarse crystalline; stylolites common; trace of very finely disseminated pyrite; abundant milky white to clear, coarse crystalline, dolomite and sparry Ca patches as vug and fracture infilling; fractures hairline to occasional 1/4"; trace of intercrystalline porosity but mainly black carbonaceous material infilling interstices; trace of vuggy porosity pin point to occasionally 1/8" vug, two vugs 1/4" at 4,781.5', lined by euhedral dolomite and Ca crystals; little effective porosity less than 1%.
- 4,782.5 -
4,785.0
Limy dolomite as above, very fine to coarse crystalline; stylolites common; trace of very finely disseminated pyrite; increase in dolomite, slightly argillaceous, micro to very fine crystalline; decrease in patchy secondary milky white to clear dolomite and Ca; trace of intercrystalline porosity; trace of vuggy porosity pin point to occasionally 1/8"; few infilled fractures hairline to 1/4"; generally tight.
- 4,785.0 -
4,787.5
Dolomite, light brown-grey to grey-white, slightly argillaceous, micro to fine crystalline with some medium to coarse crystalline grey-white; stylolites common; trace of very finely disseminated pyrite; patchy secondary milky white to clear, coarse crystalline dolomite and Ca; hairline secondary Ca infilled fractures; trace of pin point and intercrystalline porosity; occasional soft black carbonaceous parting.
- 4,787.5 -
4,790.0
Dolomite as above, light brown-grey to grey-white; trace of very finely disseminated pyrite; abundant patchy-secondary milky white, coarse crystalline dolomite and clear sparry Ca; occasional stylolite; few poorly preserved fossils (crinoids, amphipora?); trace of intercrystalline porosity and vuggy porosity - pin point with occasional vugs to 1/8", generally tight, effective porosity less than 1%.
- 4,790.0 -
4,792.5
Dolomite as above, stylolites common; abundant secondary patchy milky white, coarse crystalline dolomite and clear sparry Ca as vug and fracture infilling; secondary Ca infilled fractures hairline to 1/4"; trace of very finely disseminated pyrite; trace of intercrystalline and vuggy porosity - pin point with occasional vug to 1/8"; effective porosity 0 to 1%.

Core Descriptions cont. Core #3

4,792.5 - Dolomite as above; light brown-gray to gray-white, micro - fine crystalline; argillaceous; trace of very finely disseminated pyrite; abundant patchy secondary milky white, medium to coarse crystalline dolomite and sparry Ca; trace of intercrystalline porosity; occasional poorly preserved shell fragments towards base; decrease in secondary dolomite towards base and dolomite becomes increasingly finer crystalline and slightly argillaceous; trace of galena and sulphur at base; trace of gypsum? white, very soft, sparsely to porcellaneous as coating or infilling in occasional small vugs; porosity 0 - 1%.

4,795.0 - Dolomite, medium brown-gray to gray-white; very fine to medium crystalline; stylolites common; abundant secondary milky white dolomite and Ca; trace of very finely disseminated pyrite, trace galena, trace gypsum? increase in intercrystalline porosity at base, fair vuggy porosity pin point to $\frac{1}{8}$ "; porosity 1 - 2%.

4,797.5 - Dolomite as above, patchy secondary dolomite and Ca as above; trace of sulphur, trace of galena, few poorly preserved fossils (crinoids, arthropods); occasional stylolites; fair intercrystalline and vuggy porosity pin point to $\frac{1}{8}$ ", porosity 1 - 2%; increase in vugs to $\frac{1}{4}$ " at base, porosity 1 - 3%, some vugs partially infilled with gypsum?

Core #4 4,840 - 4,850 Out 10.0', recovered 7.0'

4,840.0 - Limestone, black, mottled white in part, sublitheographic with little very fine crystalline, appears banded; cherty to very siliceous; waxy luster; trace of very finely disseminated pyrite; dense, tight.

4,840.2 - Dolomite, medium gray, micro to coarse crystalline; abundant secondary milky white, coarse crystalline, dolomite and clear sparry Ca; fair vuggy with vugs pin point to $\frac{1}{8}$ ", partially infilled; coarse crystalline dolomite mainly infilled by black carbonaceous material; porosity 1 - 3%; trace of very finely disseminated pyrite; vugs are partially lined by black carbonaceous coating.

4,841.5 - Dolomite, light brown-gray to gray-white; micro to fine crystalline; argillaceous; occasional stylolite; decrease in secondary milky white; coarse crystalline dolomite and clear sparry Ca patches and fracture infilling; trace of very finely disseminated pyrite; little vuggy porosity, pin point to occasionally $\frac{1}{8}$ " generally tight; evidence of brecciation; slight increase in crystal size and vugs to $\frac{1}{4}$ " from 4,842.5 to 4,843.0; some gilsonite as coarse crystalline dolomite interstitial infilling; porosity 0 - 1%; average core piece 5" long.

4,843.0 - Dolomite as above; with black argillaceous dolomite inclusions to $\frac{1}{4}$ "; interstices mainly infilled by black carbonaceous material - gilsonite? (occasional good crystals); trace of pin point vuggy porosity, generally tight; average core piece 2" long - appears to

Core Descriptions cont Cor- #.

4,843.0 - 4,844.5 cont

have turned to barrel; trace of gypsum as thin coating; trace of very finely disseminated pyrite; occasional vug partially lined and infilled by secondary milky white coarse crystalline dolomite; occasional vugs to 1" at base, porosity 1 - 2%.

4,844.5 -

4,847.0

Dolomite, dark brown-gray to grey-white; micro to fine crystalline; argillaceous in part; milky white secondary coarse crystalline dolomite; occasional stylolite; few vugs pin point to 1/4", lined by coarse crystalline dolomite and clear sparry Ca; trace of very finely disseminated pyrite; one vug 1 1/2" at 4,845.2'; porosity 0 - 2%.

CORE LABORATORIES - CANADA, LTD.
CALGARY, ALBERTA

PAGE 2
FILE CNP-4-4003

COMPANY AMOCO CANADA PETROLEUM COMPANY LTD.
WELL AMOCO FLETT N-19

DEPTH	INTERVAL REPRESENTED FEET		PERMEABILITY TO AIR HIGHLIGHTS		FLOW ABILITY FEET	POROSITY %	POSSIBLE FEET	DENSITY		REMARKS	
	THICK	SHAL	CLAY	DOWN				GRAN			
18	4782.0-83.4	1.4	.18	.07	-0.1	25	1.7	2.38	2.71	2.76	1 PPV. STY CALC
19	4783.4-84.8	1.4	.07	-0.1	-0.1	.10	.9	1.26	2.77	2.79	1 STY CALC
20	4784.8-86.4	1.6	-0.1	-0.1	-0.1	.13	.4	.64	2.82	2.83	DENSE STY CALC
21	4786.4-88.2	1.8	.07	-0.1	-0.1	.43	1.0	1.80	2.78	2.81	1 STY CALC
22	4788.2-90.0	1.8	.24	.06	-0.1	.09	1.6	2.88	2.77	2.81	1 STY CALC
23	4790.0-91.6	1.6	6.93	.18	-0.1	8.83	2.0	3.20	2.74	2.80	1 CALCITE
24	4791.6-93.2	1.6	5.52	.52	-0.1	.09	.8	1.28	2.77	2.80	1 CALCITE
25	4793.2-95.0	1.8	-0.1	-0.1	-0.1	-	1.4	2.52	2.76	2.82	1 CALCITE
26	4795.0-96.4	1.4	-0.1	-0.1	-0.1	-	1.0	1.40	2.76	2.78	1 STY CALC
27	4796.4-98.2	1.8	2.75	.63	-0.1	4.95	4.0	7.20	2.72	2.83	1 STY CALC
28	4798.2-100.0	1.8	4.17	3.64	-0.1	7.51	3.4	6.12	2.71	2.81	FEW PPV STY CALC DRILLED
	4800.0-40.0	40.0	-	-	-	-	-	-	-	-	

CORE # 4 4840 - 4847 RES. 7.0' 2 BOXES

29	4840.0-41.4	1.4	9.61	.46	-0.1	13.45	4.2	5.88	2.71	2.83	1 PPV SV CALC
30	4841.4-42.5	1.1	18.80	.40	-0.1	20.68	1.4	1.54	2.77	2.81	1 STY CALC
31	4842.5-44.0	1.5	2.80	.16	.40	4.20	1.6	2.40	2.80	2.84	1 PPV SV STY
32	4844.0-45.3	1.3	1.07	.80	-0.1	1.39	1.0	1.30	2.81	2.84	1 PPV SV STY
33	4845.3-47.0	1.7	.04	.02	-0.1	.07	.5	.85	2.81	2.83	1 PPV SV STY

1990

Core Description

PAN AMERICAN PETROLEUM CORPORATION WILSON'S DAMPLE DESCRIPTION

DATE

GEOLOGIST



CORE ANALYSIS REPORT

FOR

AMOCO CANADA PETROLEUM COMPANY LTD.

AMOCO FLETT N-19
LIARD RIVER AREA
NORTHWEST TERRITORIES

CORE LABORATORIES - CANADA LTD.

Petroleum Research Engineering

CALGARY - EDMONTON - REGINA

CORE LABORATORIES - CANADA, LTD. CALGARY, ALBERTA

AMOCO
CANADA PETROLEUM COMPANY LTD.
AMOCO FLETT N-19
LIARD RIVER AREA, N.W.T.
60° 38' 48.25" N. LAT.
123° 48' 06.54" W. LONG.

FORMATION
DRILLING FLUID
ELEVATION
ANALYSIS
REMARKS

DEVONIAN
WATER BASE MUD

PAGE
FILE
DATE REPORT NOV. 4/69
ANALYSTS
N/A

FULL DIAMETER
ALL SAMPLES SANDBLASTED PRIOR TO KH ANALYSIS

INTERVAL REPRESENTED FEET
DEPTH THICK
PERMEABILITY TO AIR MILLIDARCY
MAX
REC.
PERMEABILITY FEET
POROSITY %
PLASTICITY INDEX
SHRINKAGE %
WATER UPTAKE %
WATER LOSS %
WATER LOSS (15 MIN) %
WATER LOSS (30 MIN) %
WATER LOSS (60 MIN) %
WATER LOSS (120 MIN) %
WATER LOSS (240 MIN) %
WATER LOSS (480 MIN) %
WATER LOSS (960 MIN) %
WATER LOSS (1920 MIN) %
WATER LOSS (3840 MIN) %
WATER LOSS (7680 MIN) %
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WATER LOSS (19938419936773738093557105904205168640 MIN) %
WATER LOSS (39876839873547476187114211808410337280 MIN) %
WATER LOSS (79753679747094952374228423616820674560 MIN) %
WATER LOSS (159507359494189904748456847233641349120 MIN) %
WATER LOSS (319014718988379809496913694467282698240 MIN) %
WATER LOSS (638029437976759618993827388934565396480 MIN) %
WATER LOSS (1276058875953519237987654777869130792960 MIN) %
WATER LOSS (2552117751907038475975309555738261585920 MIN) %
WATER LOSS (5104235503814076951950619111476523171840 MIN) %
WATER LOSS (10208471007628153903901238222953046343680 MIN) %
WATER LOSS (20416942015256307807802476445906092687360 MIN) %
WATER LOSS (40833884030512615615604952891812185374720 MIN) %
WATER LOSS (81667768061025231231209905783624370749440 MIN) %
WATER LOSS (163335536122050462462419811567248741498880 MIN) %
WATER LOSS (326671072244100924924839623134497482997760 MIN) %
WATER LOSS (653342144488201849849679246268994965995520 MIN) %
WATER LOSS (1306684288976403699699358492537989931991040 MIN) %
WATER LOSS (2613368577952807399398716985075979863982080 MIN) %
WATER LOSS (5226737155905614798797433970151959727964160 MIN) %
WATER LOSS (10453474311811229597594867940303919455928320 MIN) %
WATER LOSS (20906948623622459195189735880607838911856640 MIN) %
WATER LOSS (41813897247244918390379471761215677823713280 MIN) %
WATER LOSS (83627794494489836780758943522431355647426560 MIN) %
WATER LOSS (167255588988979673561517887044862711294853120 MIN) %
WATER LOSS (334511177977959347123035774089725422589706240 MIN) %
WATER LOSS (669022355955918694246071548179450845179412480 MIN) %
WATER LOSS (1338044711911837388492143096358901690358824960 MIN) %
WATER LOSS (2676089423823674776984286192717803380717649920 MIN) %
WATER LOSS (5352178847647349553968572385435606761435299840 MIN) %
WATER LOSS (10704357695294699107937144770871213522870599680 MIN) %
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WATER LOSS (342539446249430371453988632667878832731859189760 MIN) %
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WATER LOSS (1370157784997721485815954530671515330927436759040 MIN) %
WATER LOSS (2740315569995442971631909061343030661854873518080 MIN) %
WATER LOSS (5480631139990885943263818122686061323709747036160 MIN) %
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WATER LOSS (21922524559963543773055272490744245294838988144640 MIN) %
WATER LOSS (43845049119927087546110544981488490589677976289280 MIN) %
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WATER LOSS (175380196479708350184442179925953962358711905157120 MIN) %
WATER LOSS (350760392959416700368884359851907924717423810314240 MIN) %
WATER LOSS (701520785918833400737768719703815849434847620628480 MIN) %
WATER LOSS (1403041571837666801475537439407631698869695241256960 MIN) %
WATER LOSS (2806083143675333602951074878815263397739390482513920 MIN) %
WATER LOSS (5612166287350667205902149757630526795478780965027840 MIN) %
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WATER LOSS (22448665149402668823608599030522107181915123860111360 MIN) %
WATER LOSS (44897330298805337647217198061044214363830247720222720 MIN) %
WATER LOSS (89794660597610675294434396122088428727660495440445440 MIN) %
WATER LOSS (179589321195221350588868792244176857455320990880890880 MIN) %
WATER LOSS (359178642390442701177737584488353714910641981761781760 MIN) %
WATER LOSS (718357284780885402355475168976707429821283963523563520 MIN) %
WATER LOSS (1436714569561770804710950337953414859642567927047127040 MIN) %
WATER LOSS (2873429139123541609421900675906829719285135854094254080 MIN) %
WATER LOSS (5746858278247083218843801351813659438570271708188508160 MIN) %
WATER LOSS (11493716556494166437687602703627318877140543416377016320 MIN) %
WATER LOSS (22987433112988332875375205407254637754281086832754032640 MIN) %
WATER LOSS (45974866225976665750750410814509275508562173665508065280 MIN) %
WATER LOSS (91949732451953331501500821629018551017124347331016130560 MIN) %
WATER LOSS (183899464903906663003001642558037102034248694662032261120 MIN) %
WATER LOSS (367798929807813326006003285116074204068497389324064522240 MIN) %
WATER LOSS (735597859615626652012006570232148408136994778648129044480 MIN) %
WATER LOSS (1471195719231253304024013140464296816273989557296258088960 MIN) %
WATER LOSS (2942391438462506608048026280928593632547979114592516177920 MIN) %
WATER LOSS (5884782876925013216096052561857187265095958229185032355840 MIN) %
WATER LOSS (11769565753850026432192105123714374530191916458370064711680 MIN) %
WATER LOSS (23539131507700052864384210247428749060383832916740129423360 MIN) %
WATER LOSS (47078263015400105728768420494857498120767665833480258846720 MIN) %
WATER LOSS (94156526030800211457536840989714996241535331666960517693440 MIN) %
WATER LOSS (188313052061600423015073681979429992483070663333921035386880 MIN) %
WATER LOSS (376626104123200846030147363958859984966141326667842070773760 MIN) %
WATER LOSS (753252208246401692060294727917719969932282653335684141547520 MIN) %
WATER LOSS (1506504416492803384120589455835439939864565306671368283095040 MIN) %
WATER LOSS (3013008832985606768241178911670879879729130613342736566190080 MIN) %
WATER LOSS (6026017665971213536482357823341759759458261226685473132380160 MIN) %
WATER LOSS (12052035331942427072964715646683519518916522453370946264760320 MIN) %
WATER LOSS (24104070663884854145929431293367039037833044906741892529520640 MIN) %
WATER LOSS (48208141327769708291858862586734078075666089813483785059041280 MIN) %
WATER LOSS (96416282655539416583717725173468156151332179626967570118082560 MIN) %
WATER LOSS (192832565311078833167435450346936312302664359253935140236165120 MIN) %
WATER LOSS (385665130622157666334870900693872624605328718507870280472330240 MIN) %
WATER LOSS (771330261244315332669741801387745249210657437015740560944660480 MIN) %
WATER LOSS (1542660522488630665339483602775490498421314874031481121889320960 MIN) %
WATER LOSS (3085321044977261330678967205550980996842629748062962243778641920 MIN) %
WATER LOSS (6170642089954522661357934411101961993685259496125924487557283840 MIN) %
WATER LOSS (12341284179909045322715868822203923987370518992251848975114567680 MIN) %
WATER LOSS (24682568359818090645431737644407847974741037984503697950229135360 MIN) %
WATER LOSS (49365136719636181290863475288815695949482075969007395900458270720 MIN) %
WATER LOSS (98730273439272362581726950577631391898964151938014791800916541440 MIN) %
WATER LOSS (197460546878544725163453901155262783797928303876029583601833082880 MIN) %
WATER LOSS (394921093757089450326907802310525567595856607752059167203666165760 MIN) %
WATER LOSS (789842187514178900653815604621051135191713215504118334407332331520 MIN) %
WATER LOSS (1579684375028357801307631209242102270383426431008236668814664663040 MIN) %
WATER LOSS (3159368750056715602615262418484204540766852862016473337629329326080 MIN) %
WATER LOSS (6318737500113431205230524836968409081533705724032946675258658652160 MIN) %
WATER LOSS (12637475000226862410461049673936818163067411448065893350517317304320 MIN) %
WATER LOSS (25274950000453724820922099347873636326134822896131786701034634608640 MIN) %
WATER LOSS (50549900000907449641844198695747272652269645792263573402069269217280 MIN) %
WATER LOSS (101099800001814899283688393391494553104539291584527146804138538434560 MIN) %
WATER LOSS (202199600003629998567376786782989106209078583169054293608277076869120 MIN) %
WATER LOSS (404399200007259997134753573565978212418157166338108587216554153738240 MIN) %
WATER LOSS (808798400014519994269507147131956424836314332676217174433108307476480 MIN) %
WATER LOSS (1617596800029399888539014294263912849672628665352434348866216614952960 MIN) %
WATER LOSS (3235193600058799777078028588527825699345257330704868697732433229905920 MIN) %
WATER LOSS (6470387200117599554156057177055651398690514661409737395464866459811840 MIN) %
WATER LOSS (12940774400231999108312114354111302797381029322819474790929732919623680 MIN) %
WATER LOSS (25881548800463998216624228708222605594762058645638949581859465839247360 MIN) %
WATER LOSS (51763097600927996433248457416445211189524117291277899163718931678494720 MIN) %
WATER LOSS (103526195201855992866496914832890422379048234582555798327437863356989440 MIN) %
WATER LOSS (207052390403711985732993829665780844758096469165111596654875726713978880 MIN) %
WATER LOSS (414104780807423971465987659331561689516192938330223193309751453427957760 MIN) %
WATER LOSS (828209561614847942931975318663123379032385876660446386619502906855915520 MIN) %
WATER LOSS (1656419123229695885863950637326246758064771753320892773239005813711831040 MIN) %
WATER LOSS (3312838246459391771727901274652493516129543506641785546478011627423662080 MIN) %
WATER LOSS (6625676492918783543455802549304987032259087013283571092956023254847324160 MIN) %
WATER LOSS (13251352985837567086911605098609974064518174026567142185912046509694648320 MIN) %
WATER LOSS (26502705971675134173823210197219948129036348053134284371824093019389296640 MIN) %
WATER LOSS (53005411943350268347646420394439896258072696106268568743648186038778593280 MIN) %
WATER LOSS (106010823886700536695292840788879792516145392212537137487296372077557186560 MIN) %
WATER LOSS (212021647773401073390585681577759585032290784425074274974592744155114373120 MIN) %
WATER LOSS (424043295546802146781171363155519170064581568850148549949185488310228746240 MIN) %
WATER LOSS (848086591093604

CORE LABORATORIES - CANADA, LTD.
CALGARY, ALBERTA

COMPANY AMOCO CANADA PETROLEUM COMPANY LTD.
WELL AMOCO FLETT N-19

PAGE 2 OF 3
FILE CNF-4-4903

SAMPLE NUMBER	INTERVAL REPRESENTED FEET		PERMEABILITY TO AIR MILLIDARCS		EN	PROP	PERMEABILITY FEET	POROSITY %	ABSORPTIVITY (G/G)	DENSITY		LABORATION
	DEPTH	THICK	AMAX	ROP						GRAIN	LIQUID	
18	4782.0-83.4	1.4	.18	.07	-0.1	.25	1.7	2.38	2.71	2.70	1 PPV STY CALCITE	
19	4783.4-84.8	1.4	.07	-0.1	-0.1	.10	.9	1.26	2.77	2.79	1 STY CALCITE	
20	4784.8-86.4	1.6	-0.1	-0.1	-0.1	-	.4	.64	2.82	2.83	DENSE STY CALCITE	
21	4786.4-88.2	1.8	.07	-0.1	-0.1	.17	1.0	1.80	2.78	2.81	1 STY CALCITE	
22	4788.2-90.0	1.8	.24	.06	-0.1	.42	1.6	2.88	2.77	2.81	1 STY CALCITE	
23	4790.0-91.6	1.6	6.93	.18	-0.1	11.05	2.0	3.20	2.74	2.80	1 STY CALCITE	
24	4791.6-93.2	1.6	5.52	.52	.09	8.83	.8	1.26	2.77	2.80	1 CALCITE	
25	4793.2-95.0	1.8	-0.1	-0.1	-0.1	-	1.4	2.52	2.78	2.82	1 CALCITE	
26	4795.0-96.4	1.4	-0.1	-0.1	-0.1	-	1.0	1.40	2.76	2.78	1 STY CALCITE	
27	4796.4-98.2	1.8	2.75	.63	.05	4.95	4.0	7.20	2.72	2.83	1 STY CALCITE	
28	4798.2-40.0	1.8	4.17	3.64	-0.1	7.51	3.4	6.12	2.71	2.81	FEW PPV STY CALC ORILLED	
	4800.0-40.0	40.0	-	-	-	-	-	-	-	-		
	CORE #	4	4840	4847	REC. 7.0'	2 BOXES						
29	4840.0-41.4	1.4	9.61	.46	-0.1	13.45	4.2	5.88	2.71	2.83	1 FEW SV CALCITE	
30	4841.4-42.5	1.1	18.80	.40	-0.1	20.68	1.4	1.54	2.77	2.81	1 STY CALCITE F	
31	4842.5-44.0	1.5	2.80	.16	.40	4.20	1.6	2.40	2.80	2.84	1 PPV	
32	4844.0-45.3	1.3	1.07	.80	-0.1	1.39	1.0	1.30	2.81	2.84	1 FEW SV STY	
33	4845.3-47.0	1.7	.04	.02	-0.1	.07	.5	.85	2.81	2.83	1 FEW SV STY	

CORE # 4 4840 - 4847 REC. 7.0' 2 BOXES

CORE LABORATORIES - CANADA, LTD.

Petroleum Research Engineering

PAGE 3 OF 5
FILE CNP-44-4013

WELL AMOCO FLETT N-19

FORMATION DEVONIAN

SUMMARY INTERVAL 4730.0 - 4847.0

TOTAL FOOTAGE 117.0

FOOTAGE ANALYZED 45.8

FOOTAGE NOT ANALYZED TOTAL 71.2 DENSE .5 LOST .7 GRILLED 70.0 NABH .0 RIGBLE .0

SUMMARY OF ANALYZED CORE:

TOTAL

BY PERM RANGES

LESS THAN 0.10 Md.

0.10 0.49 Md.

0.50 0.99 Md.

1.00 9.99 Md.

GREATER THAN 9.99 Md.

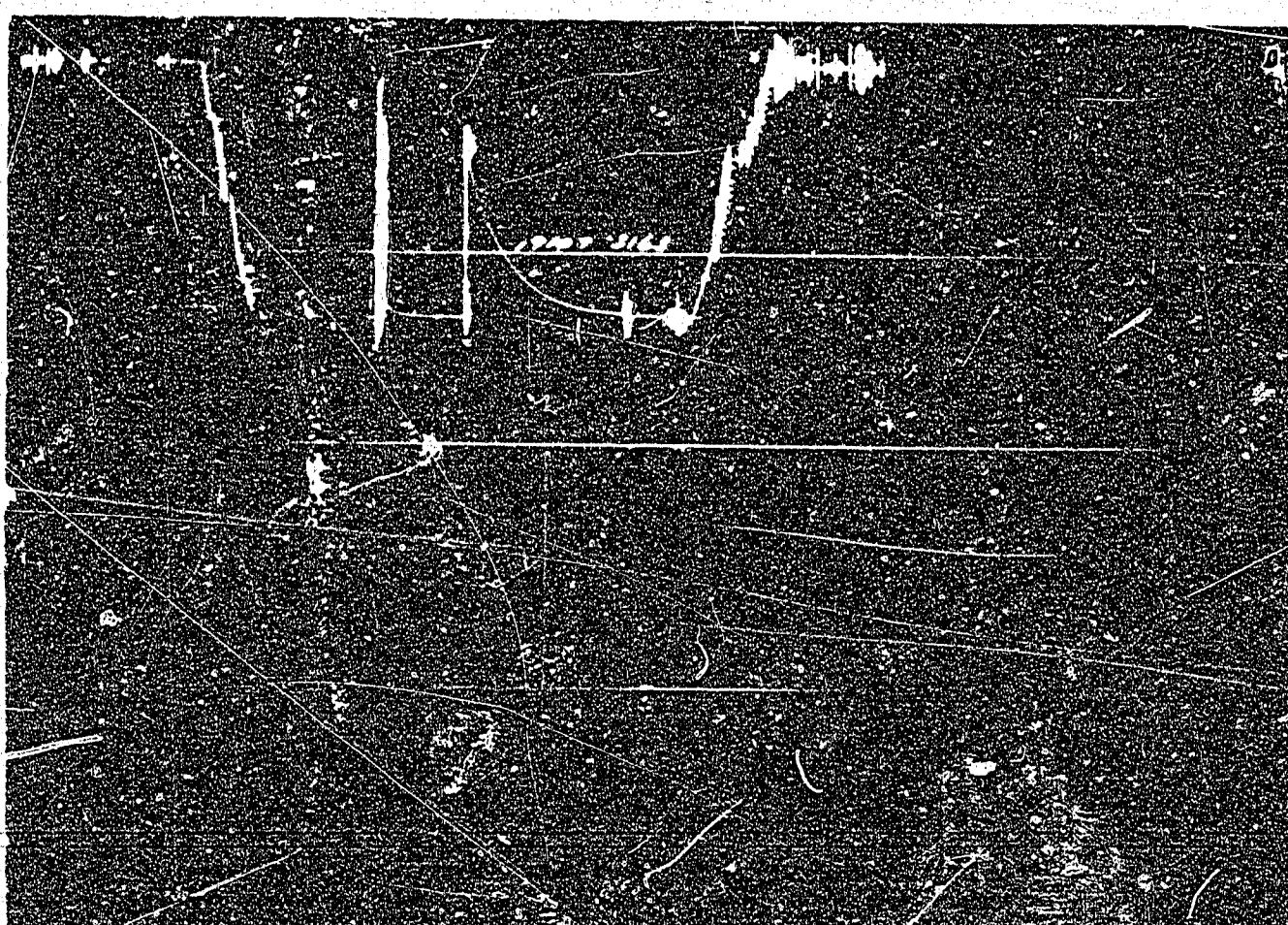
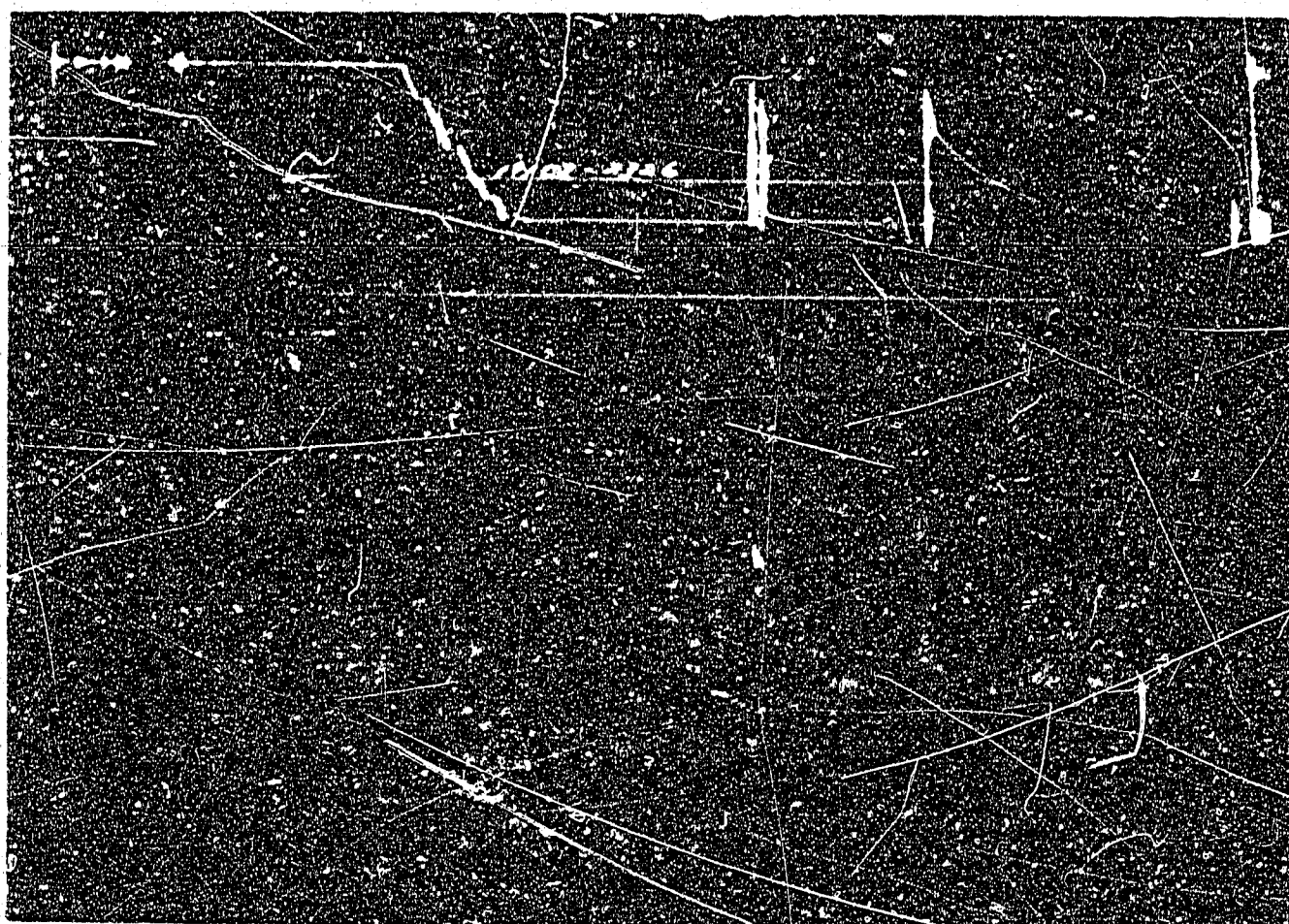
FOOTAGE	% OF ANALYZED CORE	WEIGHTED AVERAGE POROS %	PERMEABILITY (MD)	WEIGHTED AVERAGE PLUG INDEX	PERM (Darcy)	WEIGHTED AVERAGE PLUG INDEX	WEIGHTED AVERAGE PLUG INDEX
45.8	100.00	1.92	88.08	2.45	112.16	.00	.00
12.8	27.95	1.03	13.23	.03	.33	.00	.00
10.0	21.83	1.44	14.42	.27	2.68	.00	.00
1.9	4.15	3.46	6.57	.68	1.28	.00	.00
20.0	43.67	2.62	52.32	4.36	37.20	.00	.00
1.1	2.40	1.40	1.54	18.80	20.68	.00	.00

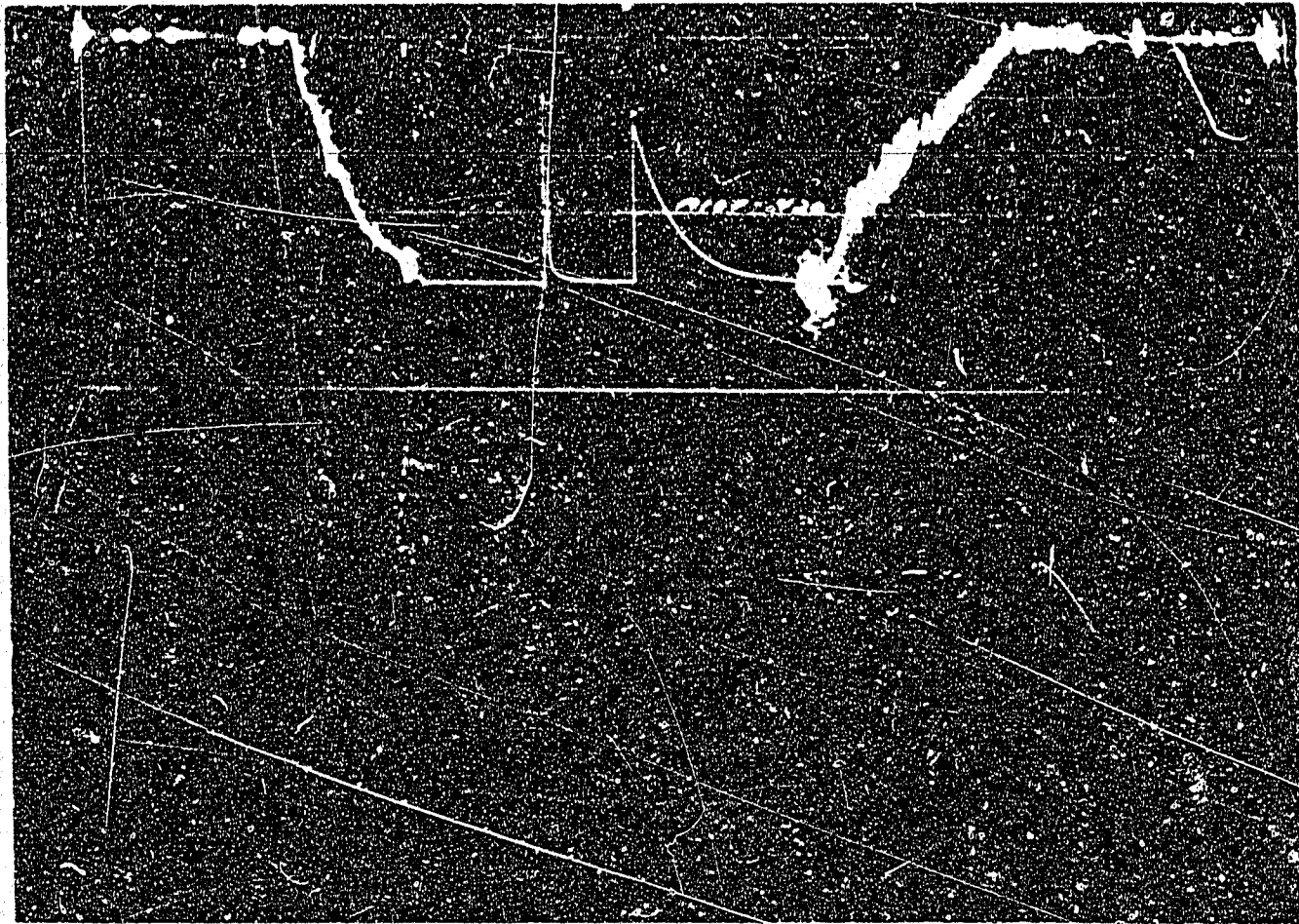
*NOT ANALYZED BY REQUEST

PRESSURE

TIME

Each Horizontal Line Equal to 1000 p.s.i.

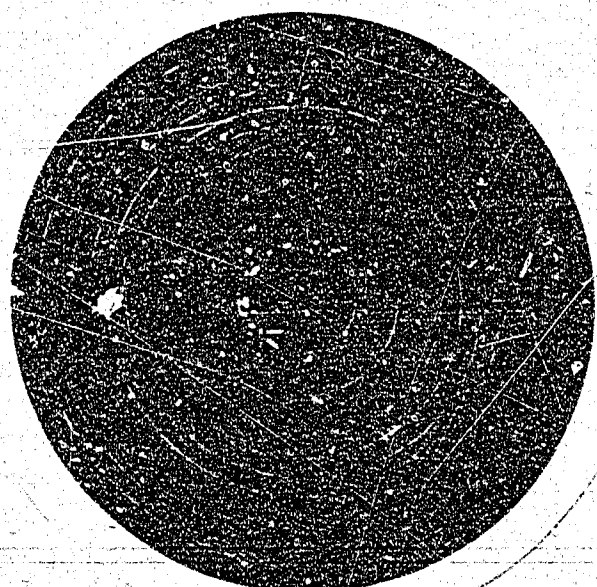




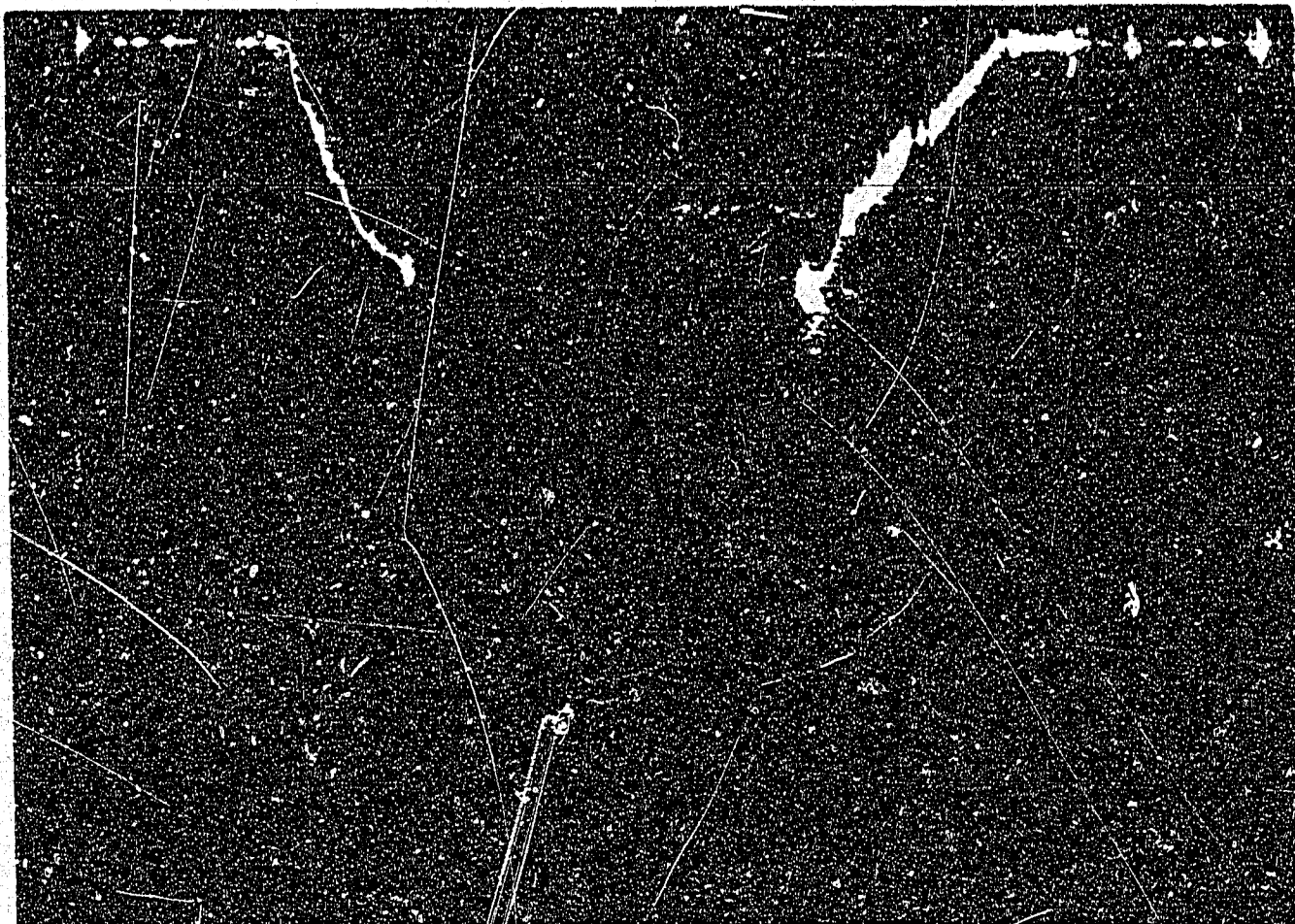
TEMPERATURE
RECORD

1. Date _____
 2. Time _____
 3. Location _____
 4. Name _____
 5. Title _____
 6. Organization _____
 7. Address _____
 8. City _____
 9. State _____
 10. Zip _____

C. MGA 1
 D. 2/0 1



3 Hr



TEMPERATURE RECORD

Each concentric line
equals 10°F.

Temperature increases
outwardly

Ticket No T...19107...

Temperature Range °F

150°F to 250°F

A to B — Initial CIP

B to C — 2nd Flow

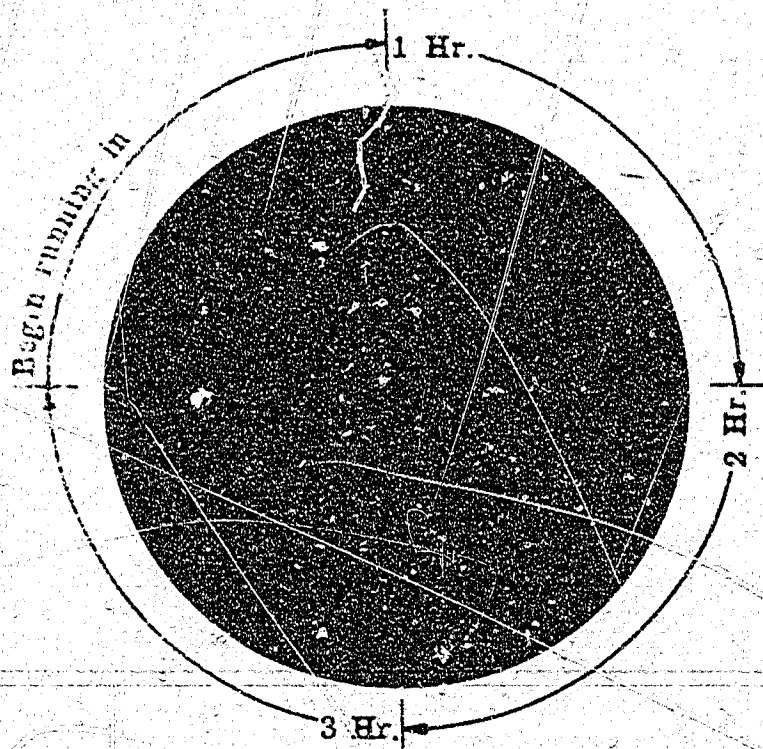
C to D — Final CIP

A °F

B °F

C MAX. °F

D 210 °F



HOWCO 521020

Depth Top Gauge	4761	Blanked Off	No	Date	November 13, 1969	Ticket No.	32-19167	
ST P.R.D. No.	2326		12 Hr. Check	Kind of Job	Bottom Hole	HOWCO	District	Fr. St. John
Pressure Readings	Field	Office Corrected		Tester	J. Sears	Witness	R. Campbell	
Initial Hydro Mud Pressure			1344	Contractor	Keen Drilling Ltd.			
Initial Closed in Pressure			1342	X B Elevation	Top Packer Depth	4760	Bottom Packer Depth	
Initial Flow Pressure			439	Total Depth	4900	Casing Perforations	Top	
Final Flow Pressure			1332	Interval Tested	4760-4900	Formation Tested	Nahanni	
Final Closed in Pressure			1341	Casing or Mud Size	8 1/2	Liner or Rathole Size		
Final Hydro Mud Pressure	Clock ran out			Size Surface Choke	Size Bottom Choke	5/8	Size and Type Well Packer	1 1/2 ES
Depth Centre Gauge	4765	Blanked Off	No	Size Drill Pipe	5" x H	ID and Length Drill Collars	2 1 1/16" x 554'	
ST P.R.D. No.	3163		24 Hr. Check	Anchor I.D.	4"	Amount-Type of Cushion	290' inhibited	
Pressure Readings	Field	Office Corrected		Gauge Depth Temp.	200 °F meas. Mud °F surf. Weight	Mud Viscosity	water	
Initial Hydro Mud Pressure	1605		1342	All Depths Measured From	K.R.	No Folders Reproduced	S	
Initial Closed in Pressure	1337		1334	Time Periods (Minutes)				
Initial Flow Pressure	321		434	1st Flow	5	Initial CIP	100	
Final Flow Pressure	1310		1313	2nd Flow	180	Final CIP	60	
Final Closed in Pressure	1337		1326	Recovered	2732	Feet of	Salt Water	
Final Hydro Mud Pressure	1605		1344	Recovered	120	Feet of	Inhibited water	
Depth Bottom Gauge	4896	Blanked Off	Yes	Oil Recovery Degrees API		Water Recovery Specific Gravity	1.06	
ST P.R.D. No.	420		24 Hr. Check	REMARKS: Valve open at 7:00 am. with fair				
Pressure Readings	Field	Office Corrected		initial blow increasing to good air blow in				
Initial Hydro Mud Pressure			1396	5 mins Valve closed at 7:05 am. Valve open				
Initial Closed in Pressure			1389	for final flow at 8:45 am with good air blow				
Initial Flow Pressure			507	decreasing in 75 mins. to nil. Valve shut				
Final Flow Pressure			1369	at 11:45 Pulled tool loose at 12:45.				
Final Closed in Pressure			1382					
Final Hydro Mud Pressure			1401					

LEGAL DESCRIPTION

FIELD OR AREA

FLDT

PROVINCE

N.W.T.

LESSOR'S NAME

WELL No.

Test No.

Operator's District

MOCO CANADA PETROLEUM CO. LTD.

LESSOR

No.

DAILY DRILLING REPORT

REPORT NO.

DATE

Nov. 17/69

OPERATOR		CONTRACTOR		RIG NO.	DRILL PIPE STRING	TOOL JOINT	O.D.	PUMPS	WELL NO.	FIELD OR DIST.	COUNTY	STATE
mcco		mcco		2	NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6	NO. 7	NO. 8
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		TYPE THD.		TYPE		STROKE LENGTH		LAST CASING TUBING OR LINER		REMARKS
Campbell		Whisher		1. 1-500		2-850		18		178		1590
TIME DISTRIBUTION-HOURS		NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		REMARKS
MORN. DAY EVE		STANDS D.P.		FT. BIT NO.		TIME		FROM TO		FORMATION		REMARKS
RIG UP & TEAR DOWN		SINGLES D.P.		FT. SIZE		WEIGHT		PBD 4330				
DRILLING ACTUAL		D.C.		MFG.		VISC.-SEC						
REAMING		I.D. O.D.		FT. TYPE		W.L.-C.C.						
CONCRETING MUD & CIRCULATING		D.C.		NO.		FLTR. CK.						
TRIPS		I.D. O.D.		FT. NOZZLE		SIZE						
LUBRICATE RIG		STB. BODY O.D.		FT. SER. NO.		SD. CONT. %						
DEVIATION SURVEY		STB. BODY O.D.		FT. DEPTH OUT		PRESSURE GRADIENT						
TEST B.G.P.		RMR. BODY O.D.		FT. DEPTH IN								
CUT OFF DRILLING LINE		SUBS O.D.		FT. TOTAL FTG.		MUD & CHEMICALS ADDED						
REPAIR RIG		BIT OR C.B.		FT. TOTAL HR. RUN		TYPE AMT. TYPE AMT.						
CORING		KELLY DOWN		FT. COND. OF BIT								
WIRE LINE LOGGING		TOTAL		FT. REAMER NO.								
RUNNING CASING & CEMENTING		WT. OF STRING		LBS. REAMER TYPE		DRILLER						
WAITING ON CEMENT		NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		REMARKS
DRILL STEM TEST		STANDS D.P.		FT. BIT NO.		TIME		FROM TO		FORMATION		REMARKS
OTHER		SINGLES D.P.		FT. SIZE		WEIGHT						
FISHING		D.C.		MFG.		VISC.-SEC						
COMPLETION WORK		I.D. O.D.		FT. TYPE		W.L.-C.C.						
A. PERFORATING		D.C.		NO.		FLTR. CK.						
B. TUBING TRIPS		I.D. O.D.		FT. NOZZLE		SIZE						
C. SWABBING		STB. BODY O.D.		FT. SER. NO.		SD. CONT. %						
D. TESTING		STB. BODY O.D.		FT. DEPTH OUT		PRESSURE GRADIENT						
E. ADDITIONAL		RMR. BODY O.D.		FT. DEPTH IN								
TOTALS		SUBS O.D.		FT. TOTAL FTG.		MUD & CHEMICALS ADDED						
TIME SUMMARY (OFFICE USE ONLY)		BIT OR C.B.		FT. TOTAL HR. RUN		TYPE AMT. TYPE AMT.						
DAY WORK		KELLY DOWN		FT. COND. OF BIT								
HRS. W/DP		TOTAL		FT. REAMER NO.								
HRS. WO/DP		WT. OF STRING		LBS. REAMER TYPE		DRILLER						
HRS. STANDBY		NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		REMARKS
TOTAL DAY WORK		STANDS D.P.		FT. BIT NO.		TIME		FROM TO		FORMATION		REMARKS
WIRE LINE RECORD		SINGLES D.P.		FT. SIZE		WEIGHT						
REEL NO.		D.C.		MFG.		VISC.-SEC						
NO. OF LINES		I.D. O.D.		FT. TYPE		W.L.-C.C.						
SIZE		D.C.		NO.		FLTR. CK.						
FEET SLIPPED		I.D. O.D.		FT. NOZZLE		SIZE						
FEET CUT OFF		STB. BODY O.D.		FT. SER. NO.		SD. CONT. %						
PRESENT LENGTH		STB. BODY O.D.		FT. DEPTH OUT		PRESSURE GRADIENT						
TON ML OR TRIPS SINCE LAST CUT		RMR. BODY O.D.		FT. DEPTH IN								
COMULATIVE TON ML OR TRIPS		SUBS O.D.		FT. TOTAL FTG.		MUD & CHEMICALS ADDED						
NO. OF DAYS FROM SPUD		BIT OR C.B.		FT. TOTAL HR. RUN		TYPE AMT. TYPE AMT.						
COMULATIVE ROTATING HRS.		KELLY DOWN		FT. COND. OF BIT								
		TOTAL		FT. REAMER NO.								
		WT. OF STRING		LBS. REAMER TYPE		DRILLER						

PBD 4330

DEVIATION RECORD

TIME LOG

FROM TO

ELAPSED TIME

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

10:00 11:00 4

11:00 12:00 2

12:00 1:00 2

1:00 2:00 2

2:00 3:00 2

3:00 4:00 2

4:00 5:00 2

5:00 6:00 2

6:00 7:00 2

7:00 8:00 2

8:00 9:00 2

9:00 10:00 2

10:00 11:00 2

11:00 12:00 2

12:00 1:00 2

1:00 2:00 2

2:00 3:00 2

3:00 4:00 2

4:00 5:00 2

5:00 6:00 2

6:00 7:00 2

7:00 8:00 2

8:00 9:00 2

9:00 10:00 2

10:00 11:00 2

11:00 12:00 2

12:00 1:00 2

1:00 2:00 2

2:00 3:00 2

3:00 4:00 2

4:00 5:00 2

5:00 6:00 2

6:00 7:00 2

7:00 8:00 2

8:00 9:00 2

9:00 10:00 2

10:00 11:00 2

11:00 12:00 2

12:00 1:00 2

1:00 2:00 2

2:00 3:00 2

3:00 4:00 2

4:00 5:00 2

5:00 6:00 2

6:00 7:00 2

7:00 8:00 2

8:00 9:00 2

9:00 10:00 2

10:00 11:00 2

11:00 12:00 2

12:00 1:00 2

1:00 2:00 2

2:00 3:00 2

3:00 4:00 2

4:00 5:00 2

5:00 6:00 2

6:00 7:00 2

7:00 8:00 2

8:00 9:00 2

9:00 10:00 2

10:00 11:00 2

11:00 12:00 2

12:00 1:00 2

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2:00 3:00 2

3:00 4:00 2

4:00 5:00 2

5:00 6:00 2

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11:00 12:00 2

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12:00 1:00 2

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4:00 5:00 2

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6:00 7:00 2

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11:00 12:00 2

12:00 1:00 2

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2:00 3:00 2

3:00 4:00 2

4:00 5:00 2

5:00 6:00 2

6:00 7:00 2

7:00 8:00 2

8:00 9:00 2

9:00 10:00 2

10:00 11:00 2

11:00 12:00 2

12:00 1:00 2

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2:00 3:00 2

3:00 4:00 2

4:00 5:00 2

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7:00 8:00 2

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4:00 5:00 2

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10:00 11:00 2

11:00 12:00 2

12:00 1:00 2

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2:00 3:00 2

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4:00 5:00 2

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7:00 8:00 2

8:00 9:00 2

9:00 10:00 2

10:00 11:00 2

11:00 12:00 2

12:00 1:00 2

1:00 2:00 2

2:00 3:00 2

3:00 4:00 2

4:00 5:00 2

5:00 6:00 2

6:00 7:00 2

7:00 8:00 2

8:00 9:00 2

9:00 10:00 2

10:00 11:00 2

11:00 12:00 2

12

Nº

DAILY DRILLING REPORT

REPORT NO.

DATE NOV 18, 1969

OPERATOR

LEASE

WELL NO.
A-1

FIELD OR DIST.

COUNTY

STATE

CONTRACTOR

RIG NO.

DRILL PIPE
STRINGTOOL
JOINT

O.D.

PUMPS

SIZE

MAKE

WT. & GR.

NO. JOINTS

FEET

RKB. TO
CSG. HD.

SET AT

REMARKS

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

TYPE THD.

NO.

MANUFACTURER

TYPE

STROKE
LENGTHLAST
CASING
TUBING
OR LINER

TIME DISTRIBUTION—HOURS

MORN DAY EVE

NO.

DRILLING ASSEMBLY
AT END OF TOUR

BIT RECORD

MUD RECORD

FOOTAGE

DR. D
RM. R
CORE. CCORE
NO.FORMATION
(SHOW CORE RECOVERY)ROTARY
RPMWT. ON
BIT
1000#PUMP
PRESS

PUMP NO.

PUMP NO.

PUMP NO.

METHOD
RUNSGL. S
PAR. L
COM. DRIG UP &
TEAR DOWN

DRILLING ACTUAL

REAMING

CONDITIONING MUD
& CIRCULATING

TRIPS

LUBRICATE RIG

DEVIATION SURVEY

TEST B.O.P.

CUT OFF
DRILLING LINE

REPAIR RIG

CORING

WIRE LINE
LOGGINGRUNNING CASING
& CEMENTINGWAITING ON
CEMENT

DRILL STEM TEST

OTHER

FISHING

A. PERFORATING

B. TUBING TRIPS

C. SWABBING

D. TESTING

E. ADDITIONAL

TOTALS

TIME SUMMARY
(OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES

SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS
SINCE LAST OUTCUMULATIVE
TON MI. OR TRIPSNO. OF DAYS
FROM SPUDCUMULATIVE
ROTATING HRS.

MORNING TOUR

DAY TOUR

EVENING TOUR

NO.

DRILLING ASSEMBLY
AT END OF TOUR

BIT NO.

TIME

WEIGHT

MFG.

VISC.—SEC

W.L.—C.C.

FLTR. CK.

PH

SD.
CONT. %PRESSURE
GRADIENT

TOTAL FTG.

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

STANDS D.P.

SINGLES D.P.

D.C.

I.D. O.D.

D.C.

I.D. O.D.

STB.
BODY O.D.STB.
BODY O.D.STB.
BODY O.D.RMR.
BODY O.D.SUBS
O.D.

BIT OR C.B.

KELLY DOWN

TOTAL

WT. OF STRING

LBS.

REAMER TYPE

DRILLER

NO.

DRILLING ASSEMBLY
AT END OF TOUR

BIT NO.

TIME

WEIGHT

MFG.

VISC.—SEC

W.L.—C.C.

FLTR. CK.

PH

SD.
CONT. %PRESSURE
GRADIENT

TOTAL FTG.

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

STANDS D.P.

SINGLES D.P.

D.C.

I.D. O.D.

D.C.

I.D. O.D.

STB.
BODY O.D.STB.
BODY O.D.STB.
BODY O.D.RMR.
BODY O.D.SUBS
O.D.

BIT OR C.B.

KELLY DOWN

TOTAL

WT. OF STRING

LBS.

REAMER TYPE

DRILLER

NO.

DRILLING ASSEMBLY
AT END OF TOUR

BIT NO.

TIME

WEIGHT

MFG.

VISC.—SEC

W.L.—C.C.

FLTR. CK.

PH

SD.
CONT. %PRESSURE
GRADIENT

TOTAL FTG.

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

STANDS D.P.

SINGLES D.P.

D.C.

I.D. O.D.

D.C.

I.D. O.D.

STB.
BODY O.D.STB.
BODY O.D.STB.
BODY O.D.RMR.
BODY O.D.SUBS
O.D.

BIT OR C.B.

KELLY DOWN

TOTAL

WT. OF STRING

LBS.

REAMER TYPE

DRILLER

FROM

TO

DEVIATION
RECORD

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

TIME LOG

FROM

TO

ELAPSED
TIME

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

TEAR OUT.

FROM

TO

DEVIATION
RECORD

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

TIME LOG

FROM

TO

ELAPSED
TIME

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

PELLETYPE MUD TEAR OUT.

FROM

TO

DEVIATION
RECORD

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

TIME LOG

FROM

TO

ELAPSED
TIME

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

CLEAN ICE & SHALE OUT OF MUD TANKS
& TEAR OUT RIG.

FORM 17-A



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

DATE Nov 19

OPERATOR		LEASE		WELL NO.		FIELD OR DIST.		COUNTY		STATE	
CONTRACTOR		RIC NO.		DRILL PIPE STRING		TOOL JOINT		PUMPS		REMARKS	
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		NO.		MANUFACTURER		TYPE		STROKE LENGTH	
TIME DISTRIBUTION - HOURS		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
MORN. DAY EVE		STANDS D.P.		FT.		BIT NO.		TIME		FROM TO	
RIG UP & TEAR DOWN		SINGLES D.P.		FT.		SIZE		WEIGHT		R.M.R. CORE C.	
DRILLING ACTUAL		D.C.		MFG.		VISC. - SEC		W.L. - C.C.		CORE NO.	
REAMING		I.D. O.D.		FT.		TYPE		FLTR. CK.		FORMATION (SHOW CORE RECOVERY)	
CONDITIONING MUD & CIRCULATING		D.C.		NO.		PH		SD. CONT. %		ROTARY RPM	
TRIPS		I.D. O.D.		FT.		NOZZLE		PRESSURE GRADIENT		WT. ON BIT 1000'	
LUBRICATE RIG		STB. BODY O.D.		FT.		SER. NO.		MUD & CHEMICALS ADDED		PUMP PRESS	
DEVIATION SURVEY		STB. BODY O.D.		FT.		DEPTH OUT		TYPE AMT. TYPE AMT.		PUMP NO. LINER SIZE S.P.M.	
TEST B.O.P.		RMR. BODY O.D.		FT.		DEPTH IN		COND. OF BIT		PUMP NO. LINER SIZE S.P.M.	
CUT OFF DRILLING LINE		SUBS O.D.		FT.		TOTAL FTG.		DRILLER		METHOD RUN SGL'S PAR'EL COM'D	
REPAIR RIG		BIT OR C.B.		FT.		TOTAL HR. RUN					
CORING		KELLY DOWN		FT.		COND. OF BIT					
WIRE LINE LOGGING		TOTAL		FT.		REAMER NO.					
RUNNING CASING & CEMENTING		WT. OF STRING		LBS.		REAMER TYPE					
WAITING ON CEMENT		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
DRILL STEM TEST		STANDS D.P.		FT.		BIT NO.		TIME		FROM TO	
OTHER		SINGLES D.P.		FT.		SIZE		WEIGHT		R.M.R. CORE C.	
FISHING		D.C.		MFG.		VISC. - SEC		W.L. - C.C.		CORE NO.	
COMPLETION WORK		I.D. O.D.		FT.		TYPE		FLTR. CK.		FORMATION (SHOW CORE RECOVERY)	
A. PERFORATING		D.C.		NO.		PH		SD. CONT. %		ROTARY RPM	
B. TUBING TRIPS		I.D. O.D.		FT.		NOZZLE		PRESSURE GRADIENT		WT. ON BIT 1000'	
C. SWABBING		STB. BODY O.D.		FT.		SER. NO.		MUD & CHEMICALS ADDED		PUMP PRESS	
D. TESTING		STB. BODY O.D.		FT.		DEPTH OUT		TYPE AMT. TYPE AMT.		PUMP NO. LINER SIZE S.P.M.	
E. ADDITIONAL		RMR. BODY O.D.		FT.		DEPTH IN		COND. OF BIT		PUMP NO. LINER SIZE S.P.M.	
TOTALS		SUBS O.D.		FT.		TOTAL FTG.		DRILLER		METHOD RUN SGL'S PAR'EL COM'D	
TIME SUMMARY (OFFICE USE ONLY)		BIT OR C.B.		FT.		TOTAL HR. RUN					
DAY WORK		KELLY DOWN		FT.		COND. OF BIT					
HRS. W/DP		TOTAL		FT.		REAMER NO.					
HRS. WO/DP		WT. OF STRING		LBS.		REAMER TYPE					
HRS. STANDBY		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
TOTAL DAY WORK		STANDS D.P.		FT.		BIT NO.		TIME		FROM TO	
WIRE LINE RECORD		SINGLES D.P.		FT.		SIZE		WEIGHT		R.M.R. CORE C.	
REEL NO.		D.C.		MFG.		VISC. - SEC		W.L. - C.C.		CORE NO.	
NO. OF LINES		I.D. O.D.		FT.		TYPE		FLTR. CK.		FORMATION (SHOW CORE RECOVERY)	
SIZE		D.C.		NO.		PH		SD. CONT. %		ROTARY RPM	
FEET SLIPPED		I.D. O.D.		FT.		NOZZLE		PRESSURE GRADIENT		WT. ON BIT 1000'	
FEET CUT OFF		STB. BODY O.D.		FT.		SER. NO.		MUD & CHEMICALS ADDED		PUMP PRESS	
PRESENT LENGTH		STB. BODY O.D.		FT.		DEPTH OUT		TYPE AMT. TYPE AMT.		PUMP NO. LINER SIZE S.P.M.	
TON MI. OR TRIPS SINCE LAST CUT		RMR. BODY O.D.		FT.		DEPTH IN		COND. OF BIT		PUMP NO. LINER SIZE S.P.M.	
CUMULATIVE TON MI. OR TRIPS		SUBS O.D.		FT.		TOTAL FTG.		DRILLER		METHOD RUN SGL'S PAR'EL COM'D	
NO. OF DAYS FROM SPUD		BIT OR C.B.		FT.		TOTAL HR. RUN					
CUMULATIVE ROTATING HRS.		KELLY DOWN		FT.		COND. OF BIT					
		TOTAL		FT.		REAMER NO.					
		WT. OF STRING		LBS.		REAMER TYPE					



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

No.

DAILY DRILLING REPORT

REPORT NO.

DATE Nov. 20

OPERATOR

LEASE

CONTRACTOR

RIG NO.

DRILL PIPE

STRING

TOOL JOINT

O.D.

PUMPS

WELL NO.

FIELD OR DIST.

COUNTY

STATE

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

1.

2.

3.

MANUFACTURER

TYPE

STROKE LENGTH

LAST CASING
TUBING
OR LINER

SIZE

MAKE

WT. & GR.

NO. JOINTS

FEET

RKB TO
CSG. HD.

SET AT

REMARKS

TIME DISTRIBUTION—HOURS

MORN DAY EVE

RIG UP & TEAR DOWN

DRILLING ACTUAL

REAMING

CONDITIONING MUD
& CIRCULATING

TRIPS

LUBRICATE RIG

DEVIATION SURVEY

TEST B.O.P.

CUT OFF
DRILLING LINE

REPAIR RIG

CORING

WIRE LINE
LOGGINGRUNNING CASING
& CEMENTINGWAITING ON
CEMENT

DRILL STEM TEST

OTHER

FISHING

COMPLETION WORK

A. PERFORATING

B. TUBING TRIPS

C. SWABBING

D. TESTING

E. ADDITIONAL

TOTALS

TIME SUMMARY
(OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WD/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON ML OR TRIPS
SINCE LAST CUTCUMULATIVE
TON ML OR TRIPSNO. OF DAYS
FROM SPUDCUMULATIVE
ROTATING HRS.

NO.

DRILLING ASSEMBLY
AT END OF TOUR

STANDS D.P.

SINGLES D.P.

D.C.

I.D. O.D.

D.C.

I.D. O.D.

STB. BODY

STB. BODY

RMR. BODY

SUBS

BIT OR C.B.

KELLY DOWN

TOTAL

WT. OF STRING

LBS.

REAMER TYPE

DRILLER

TIME

WEIGHT

VISC.—SEC

W.L.—C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

TIME

WEIGHT

VISC.—SEC

W.L.—C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

TIME

WEIGHT

VISC.—SEC

W.L.—C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

TIME

WEIGHT

VISC.—SEC

W.L.—C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

TIME

WEIGHT

VISC.—SEC

W.L.—C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

TIME

WEIGHT

VISC.—SEC

W.L.—C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

TIME

WEIGHT

VISC.—SEC

W.L.—C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

TIME

WEIGHT

VISC.—SEC

W.L.—C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

TIME

WEIGHT

VISC.—SEC

W.L.—C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

TIME

WEIGHT

VISC.—SEC

W.L.—C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

TIME

WEIGHT

VISC.—SEC

W.L.—C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

TIME

WEIGHT

VISC.—SEC

W.L.—C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

TIME

WEIGHT

VISC.—SEC

W.L.—C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

TIME

WEIGHT

VISC.—SEC

W.L.—C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

TIME

WEIGHT

VISC.—SEC

W.L.—C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

TIME

WEIGHT

VISC.—SEC

W.L.—C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

TIME

No.

DAILY DRILLING REPORT

REPORT NO.

DATE

Nov 19/69

OPERATOR		LEASE		REPORT NO.		DATE		WELL NO.		FIELD OR DIST.		COUNTY		STATE					
Amoco		A-1 F111-N19-6540 12345		A-1		Nov 19/69		A-1						N. J.					
CONTRACTOR		RIG NO.	DRILL PIPE STRING	TOOL JOINT	PUMPS	SIZE	MAKE	WT. & CR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS						
Keen Drilling		2	3" 1/2	4 1/2		9 1/2				4540									
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		1. EMSCO		D-850 18		LAST CASING TUBING OR LINER											
Campbell		J. H. Hatcher		2. "		D-A-700 1/2													
3. "																			
TIME DISTRIBUTION-HOURS		NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		PUMP NO.		PUMP NO.		METHOD RUN	
MORN DAY EVE		STANDS D.P.		FT. BIT NO.		TIME		FROM TO		CORE NO.		DEPTH		DEV.		DIRECTION		DEPTH	
RIG UP & TEAR DOWN		SINGLES D.P.		FT. SIZE		WEIGHT													
DRILLING ACTUAL		D.C.		MFG.		VISC.-SEC													
REAMING		I.D. O.D.		FT. TYPE		W.L.-C.C.													
CONDITIONING MUD & CIRCULATING		D.C.		NO.		FLTR. CK.													
TRIPS		I.D. O.D.		FT. NOZZLE		SIZE													
LUBRICATE RIG		STB. BODY O.D.		FT. SER. NO.		SD. CONT. %													
DEVIATION SURVEY		STB. BODY O.D.		FT. DEPTH OUT		PRESSURE GRADIENT													
TEST B.O.P.		RMR. BODY O.D.		FT. DEPTH IN															
CUT OFF DRILLING LINE		SUBS O.D.		FT. TOTAL FTG.		MUD & CHEMICALS ADDED													
REPAIR RIG		BIT OR C.B.		FT. TOTAL HR. RUN		TYPE AMT. TYPE AMT.													
CORING		KELLY DOWN		FT. COND. OF BIT															
WIRE LINE LOGGING		TOTAL		FT. REAMER NO.															
RUNNING CASING & CEMENTING		WT. OF STRING		LBS. REAMER TYPE		DRILLER													
WAITING ON CEMENT																			
DRILL STEM TEST																			
OTHER																			
FISHING																			
A. PERFORATING																			
B. TUBING TRIPS																			
C. SWABBING																			
D. TESTING																			
E. ADDITIONAL																			
TOTALS																			
TIME SUMMARY (OFFICE USE ONLY)																			
DAY WORK																			
HRS. W/DP																			
HRS. WO/DP																			
HRS. STANDBY																			
TOTAL DAY WORK																			
WIRE LINE RECORD																			
REEL NO.																			
NO. OF LINES																			
FEET SLIPPED																			
FEET CUT OFF																			
PRESENT LENGTH																			
TON ML OR TRIPS SINCE LAST CUT																			
CUMULATIVE TON ML OR TRIPS																			
NO. OF DAYS FROM SPUD																			
CUMULATIVE ROTATING HRS.																			

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

Nº

DAILY DRILLING REPORT

REPORT NO.

DATE Nov. 15/69

OPERATOR		LEASE		WELL NO.		FIELD OR DIST.		COUNTY		STATE	
Amoco		A-1-F-H N19-6040 123 45		A-1				N.W.T.			
CONTRACTOR		RIG NO.	DRILL PIPE STRING	TOOL JOINT	PUMPS	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	REMARKS
Keen Drilling		2	6 7/8 O.D.	6 7/8 O.D.		9 7/8				4590	
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL-PUSHER		NO.		MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING TUBING OR LINER		
R. Campbell		J. Wessinger		1.		Em 500	D-850	18			
				2.		Em 500	D-1-700	16			
				3.							
TIME DISTRIBUTION-HOURS		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)	
MORN DAY EVE		STANDS D.P. FT.		BIT NO.		TIME		FROM TO		ROTARY RPM	
RIG UP & TEAR DOWN		SINGLES D.P. FT.		SIZE		WEIGHT				PUMP NO.	
DRILLING ACTUAL		D.C.		MFG.		VISC.-SEC				PUMP NO.	
REAMING		I.D. O.D. FT.		TYPE		W.L.-C.C.				PUMP NO.	
CONDITIONING MUD & CIRCULATING		D.C.		NO.		FLTR. CK.				PUMP NO.	
TRIPS 1/6		I.D. O.D. FT.		NOZZLE		SIZE				PUMP NO.	
LUBRICATE RIG		STB. BODY O.D. FT.		SER. NO.		SD. CONT. %				PUMP NO.	
DEVIATION SURVEY		STB. BODY O.D. FT.		DEPTH OUT		PRESSURE GRADIENT				PUMP NO.	
TEST B.O.P.		RMR. BODY O.D. FT.		DEPTH IN						PUMP NO.	
CUT OFF DRILLING LINE		SUBS O.D. FT.		TOTAL FTG.		MUD & CHEMICALS ADDED				PUMP NO.	
REPAIR RIG		BIT OR C.B. FT.		TOTAL HR. RUN		TYPE AMT. TYPE AMT.				PUMP NO.	
CORING		KELLY DOWN FT.		COND. OF BIT						PUMP NO.	
WIRE LINE LOGGING 6 1/2		TOTAL FT.		REAMER NO.						PUMP NO.	
RUNNING CASING & CEMENTING		WT. OF STRING LBS.		REAMER TYPE		DRILLER				PUMP NO.	
WASTING ON CEMENT										PUMP NO.	
DRILL STEM TEST		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
OTHER		STANDS D.P. FT.		BIT NO.		TIME		FROM TO		ROTARY RPM	
FISHING		SINGLES D.P. FT.		SIZE		WEIGHT				PUMP NO.	
COMPLETION WORK		D.C.		MFG.		VISC.-SEC				PUMP NO.	
A. PERFORATING		I.D. O.D. FT.		TYPE		W.L.-C.C.				PUMP NO.	
B. TENDING TRIPS		D.C.		NO.		FLTR. CK.				PUMP NO.	
C. SWABBING		I.D. O.D. FT.		NOZZLE		SIZE				PUMP NO.	
D. TESTING		STB. BODY O.D. FT.		SER. NO.		SD. CONT. %				PUMP NO.	
E. ADDITIONAL		STB. BODY O.D. FT.		DEPTH OUT		PRESSURE GRADIENT				PUMP NO.	
TOTALS 8		RMR. BODY O.D. FT.		DEPTH IN						PUMP NO.	
TIME SUMMARY (OFFICE USE ONLY)		SUBS O.D. FT.		TOTAL FTG.		MUD & CHEMICALS ADDED				PUMP NO.	
DAY WORK		BIT OR C.B. FT.		TOTAL HR. RUN		TYPE AMT. TYPE AMT.				PUMP NO.	
HRS. W/DP 24 HRS		KELLY DOWN FT.		COND. OF BIT						PUMP NO.	
HRS. W/DP		TOTAL FT.		REAMER NO.						PUMP NO.	
HRS. STANDBY		WT. OF STRING LBS.		REAMER TYPE		DRILLER				PUMP NO.	
TOTAL DAY WORK		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
WIRE LINE RECORD		STANDS D.P. FT.		BIT NO.		TIME		FROM TO		ROTARY RPM	
REEL NO.		SINGLES D.P. FT.		SIZE		WEIGHT				PUMP NO.	
NO. OF LINES		D.C.		MFG.		VISC.-SEC				PUMP NO.	
SIZE		I.D. O.D. FT.		TYPE		W.L.-C.C.				PUMP NO.	
FEET SLIPPED		D.C.		NO.		FLTR. CK.				PUMP NO.	
FEET CUT OFF		I.D. O.D. FT.		NOZZLE		SIZE				PUMP NO.	
PRESENT LENGTH		STB. BODY O.D. FT.		SER. NO.		SD. CONT. %				PUMP NO.	
TON ML OR TRIPS SINCE LAST CUT		STB. BODY O.D. FT.		DEPTH OUT		PRESSURE GRADIENT				PUMP NO.	
CUMULATIVE TON ML OR TRIPS		RMR. BODY O.D. FT.		DEPTH IN						PUMP NO.	
NO. OF DAYS FROM SPUD		SUBS O.D. FT.		TOTAL FTG.		MUD & CHEMICALS ADDED				PUMP NO.	
CUMULATIVE ROTATING HRS.		BIT OR C.B. FT.		TOTAL HR. RUN		TYPE AMT. TYPE AMT.				PUMP NO.	
		KELLY DOWN FT.		COND. OF BIT						PUMP NO.	
		TOTAL FT.		REAMER NO.						PUMP NO.	
		WT. OF STRING LBS.		REAMER TYPE		DRILLER				PUMP NO.	

NOVEMBER 14/69
R. Campbell

SHIPPED 2X GAMMA RAY NEUTRON + FILM 2X BCSGR AND FILM ON OYE TO L. HORST CALGARY
DST SAMPLES TO CHEMICAL + GEOLOGICAL EDMONTON ALCO
DST SAMPLES FOR TULSA LAB TO DICK FORGANS ON GRANDE PRAIRIE
DST CHARTS + DATA SHIPPED TO GRANDE PRAIRIE

CORE #A SHIPPED TO CORE LAB CALGARY
GEOLOGIST SHIPPED CUTTING SAMPLES TO CALGARY

WAIT ON BRIDGE PLUG.
MAKE UP + RUN BRIDGE PLUG

Ran McCullough expandable plug test @ 4530
lost in hole come off running tools.

Set second McCullough expandable Bridge plug @ 4530 K.B. away casing totally
R. Campbell



APPROVED



APPROVED

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

OPERATOR		LEASE		WELL NO.		FIELD OR DIST.		COUNTY		STATE					
Amoco		A-1-111-N19 60°40' 123°45'		11-1											
CONTRACTOR		RIG NO.	DRILL PIPE STRING NO.	TOOL JOINT	O.D.	PUMPS		SIZE	MAKE	WT. & GR.	HD. JOINTS	FEET	RKB. TO CSC. HD.	SET AT	REMARKS
Keen Drilling		2	6	6 3/8	4 1/2			9 7/8						4390	
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		NO.		MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING TUBING OR LINER						
Rampbell		Shuster		1.		Emco	2-850	18							
				2.		Emco	2-9-700	16							
				3.											

[illegible][illegible][illegible]

DATE Nov. 13/49

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

DATE Nov. 1969

[illegible][illegible]

RAN GAMMA RAY NEUTRON LOG THROUGH DRILL PIPE
4900 TO SURFACE RRC

Boiler & Hrs

[illegible]

800	1200	4	WAIT ON TESTERS
1200	115	1/4	HOIST
115	330	2 1/4	GET TEST TROLLOW CHOO & R-G UP FLARE LINE
330	400	1/2	RUN IN. [TOO LATE TO TEST]

[illegible]

CHECK N. 10114 OF DAMS: O.K.	CHECK N. 6 STORES OK BOTTLE 8 HRS
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A.A.O.D.C--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

Nº

DAILY DRILLING REPORT

REPORT NO.

DATE

7/10/11/59

OPERATOR	LEASE	REPORT NO.	DATE	WELL NO.	FIELD OR DIST.	COUNTY	STATE						
Amoco	A-1 Fleet		7/10/11/59	A-1			N.W.T.						
CONTRACTOR	RIG NO.	DRILL PIPE	TOOL JOINT	C.D.	PUMPS	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SEV. AT	REMARKS
Keon Drilling	2	NO. SIZE	TYPE THD.										
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER	NO.	MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING TUBING OR LINER							
W. Farmer	Missner	1. Emsco	2-850 18			1336							
		2. 2-1-700 16				958							
		3.											

TIME DISTRIBUTION-HOURS			NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR. D R.M. R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000 #		PUMP PRESS		PUMP NO. LINER SIZE S.P.M.		PUMP NO. LINER SIZE S.P.M.		METHOD RUN SGL-S PAR-EL-P COM-D-C									
MORN	DAY	EVE			STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FLTR. CK.	PH	SD. CONT. %	PRESSURE GRADIENT	DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION							
RIG UP & TEAR DOWN			33		2		D.C.		MFG.		VISC.-SEC		W.L.-C.C.		FLTR. CK.		PH		SD. CONT. %		PRESSURE GRADIENT		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
DRILLING ACTUAL			2		D.C.		MFG.		VISC.-SEC		W.L.-C.C.		FLTR. CK.		PH		SD. CONT. %		PRESSURE GRADIENT		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION					
REAMING			I.D. O.D.		FT.		NOZZLE		SIZE		PH		SD. CONT. %		PRESSURE GRADIENT		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
CONDITIONING MUD & CIRCULATING			I.D. O.D.		FT.		NOZZLE		SIZE		PH		SD. CONT. %		PRESSURE GRADIENT		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
TRIPS			STB. BODY O.D.		FT.		SER. NO.		DEPTH OUT		PRESSURE GRADIENT		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION	
LUBRICATE RIG			STB. BODY O.D.		FT.		SER. NO.		DEPTH OUT		PRESSURE GRADIENT		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION	
DEVIATION SURVEY			STB. BODY O.D.		FT.		SER. NO.		DEPTH OUT		PRESSURE GRADIENT		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION	
TEST B.O.P.			RMR. BODY O.D.		FT.		SER. NO.		DEPTH OUT		PRESSURE GRADIENT		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION	
CUT OFF DRILLING LINE			SUBS O.D.		FT.		SER. NO.		DEPTH OUT		PRESSURE GRADIENT		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION	
REPAIR RIG			TOTAL		FT.		REAMER NO.		COND. OF BIT		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION	
CORING			WT. OF STRING		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
WIRE LINE LOGGING			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
RUNNING CASING & CEMENTING			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
WAITING ON CEMENT			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
DRILL STEM TEST			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
OTHER			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
FISHING			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
A. PERFORATING			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
B. TUBING TRIPS			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
C. SWABBING			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
D. TESTING			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
E. ADDITIONAL			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
TOTALS			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
TIME SUMMARY (OFFICE USE ONLY)			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
DAY WORK			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
HRS. W/DP			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
HRS. WO/DP			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
HRS. STANDBY			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
W.D. Loggers			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
TOTAL DAY WORK			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
WIRE LINE RECORD			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
REEL NO.			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
NO. OF LINES			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
SIZE			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
FEET SLIPPED			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
FEET CUT OFF			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
PRESENT LENGTH			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
TON M. OR TRIPS SINCE LAST CUT			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
CUMULATIVE TON M. OR TRIPS			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
NO. OF DAYS FROM SPUD			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			
CUMULATIVE ROTATING HRS.			120.000		LBS.		REAMER TYPE		DRILLER		DEVIATION RECORD		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td></td>		DEV. <td colspan="2">DIRECTION<td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td></td>		DIRECTION <td colspan="2">DEPTH<td colspan="2">DEV.<td colspan="2">DIRECTION</td></td></td>		DEPTH <td colspan="2">DEV.<td colspan="2">DIRECTION</td></td>		DEV. <td colspan="2">DIRECTION</td>		DIRECTION			



APPROVED



APPROVED

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

Nº 3347

DAILY DRILLING REPORT

REPORT NO.

DATE NOV 10, 1969

OPERATOR PMOCO CANADA PETROLEUM		LEASE A-1 FLETT		WELL NO. A-1		FIELD OR DIST. N-19 60°40' 123° 45'		COUNTY N.W.T.		STATE N.W.T.	
CONTRACTOR KEEN DRUG LTD		RIG NO. 2	DRILL PIPE STRING NO. SIZE 15 6 3/4	TOOL JOINT O.D. 4 1/2	PUMPS NO. MANUFACTURER TYPE STROKE LENGTH 1 EMSCO D850 18 2 " DA 700 16		LAST CASING TUBING OR LINER 9 5/8		MAKE 4590		REMARKS
SIGNATURE OF OPERATOR'S REPRESENTATIVE W. Tamm		SIGNATURE OF CONTRACTOR'S TOOL PUSHER [Signature]									

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN		
NORM	DAY	EVE	NO.	STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FLTR. CK.	PH	SD. CONT. %	PRESSURE GRADIENT	FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	
RIG UP & TEAR DOWN																			
DRILLING ACTUAL			3 3/4	15	462.70	4		6 3/4								4840	4850	2	FINISH OUT - PUT RUBBER PROTECTORS ON PIPE
REAMING			1/2																
CONDITIONING MUD & CIRCULATING																			
TRIPS			3 1/2																
LUBRICATE RIG			1/2																
DEVIATION SURVEY																			
TEST B.O.P.																			
CUT OFF DRILLING LINE																			
REPAIR RIG																			
CORING																			
WIRE LINE LOGGING																			
RUNNING CASING & CEMENTING																			
WAITING ON CEMENT																			
DRILL STEM TEST																			
OTHER			W.O.D.	1 1/2	8														
FISHING																			
COMPLETION WORK																			
A. PERFORATING																			
B. TUBING TRIPS																			
C. SWABBING																			
D. TESTING																			
E. ADDITIONAL																			
TOTALS			8																
TIME SUMMARY (OFFICE USE ONLY)																			
DAY WORK																			
HRS. W/DP																			
HRS. WO/DP																			
HRS. STANDBY																			
TOTAL DAY WORK																			
WIRE LINE RECORD																			
REEL NO.																			
NO. OF LINES																			
FEET SLIPPED																			
FEET CUT OFF																			
PRESENT LENGTH																			
TON M. OR TRIPS SINCE LAST CUT																			
CUMULATIVE TON M. OR TRIPS																			
NO. OF DAYS FROM SPUD																			
CUMULATIVE ROTATING HRS.																			

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN		
NORM	DAY	EVE	NO.	STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FLTR. CK.	PH	SD. CONT. %	PRESSURE GRADIENT	FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	
RIG UP & TEAR DOWN																			
DRILLING ACTUAL			1 1/2	15	462.70	20 R.R.		8 1/2								4850	4888	38	FINISH OUT - PUT RUBBER PROTECTORS ON PIPE
REAMING																			
CONDITIONING MUD & CIRCULATING																			
TRIPS																			
LUBRICATE RIG																			
DEVIATION SURVEY																			
TEST B.O.P.																			
CUT OFF DRILLING LINE																			
REPAIR RIG																			
CORING																			
WIRE LINE LOGGING																			
RUNNING CASING & CEMENTING																			
WAITING ON CEMENT																			
DRILL STEM TEST																			
OTHER			W.O.D.	1 1/2	8														
FISHING																			
COMPLETION WORK																			
A. PERFORATING																			
B. TUBING TRIPS																			
C. SWABBING																			
D. TESTING																			
E. ADDITIONAL																			
TOTALS			8																
TIME SUMMARY (OFFICE USE ONLY)																			
DAY WORK																			
HRS. W/DP																			
HRS. WO/DP																			
HRS. STANDBY																			
TOTAL DAY WORK																			
WIRE LINE RECORD																			
REEL NO.																			
NO. OF LINES																			
FEET SLIPPED																			
FEET CUT OFF																			
PRESENT LENGTH																			
TON M. OR TRIPS SINCE LAST CUT																			
CUMULATIVE TON M. OR TRIPS																			
NO. OF DAYS FROM SPUD																			
CUMULATIVE ROTATING HRS.																			

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN		
NORM	DAY	EVE	NO.	STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FLTR. CK.	PH	SD. CONT. %	PRESSURE GRADIENT	FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	
RIG UP & TEAR DOWN																			
DRILLING ACTUAL			1 1/2	15	462.70	20 R.R.		8 1/2								4850	4900	12 1/2	FINISH OUT - PUT RUBBER PROTECTORS ON PIPE
REAMING																			
CONDITIONING MUD & CIRCULATING																			
TRIPS																			
LUBRICATE RIG																			
DEVIATION SURVEY																			
TEST B.O.P.																			
CUT OFF DRILLING LINE																			
REPAIR RIG																			
CORING																			
WIRE LINE LOGGING																			
RUNNING CASING & CEMENTING																			
WAITING ON CEMENT																			
DRILL STEM TEST																			
OTHER			W.O.D.	1 1/2	8														
FISHING																			
COMPLETION WORK																			
A. PERFORATING																			
B. TUBING TRIPS																			

Nº 3348

DAILY DRILLING REPORT										REPORT NO.										DATE NOV 9, 1965									
OPERATOR AMOCO CANADA PETROLEUM										LEASE A-1 FLETT										WELL NO. A-1									
CONTRACTOR KEEN DRUG. LTD										RIG NO. 2										FIELD OR DIST. N-9 60° 40' 123° 45'									
SIGNATURE OF OPERATOR'S REPRESENTATIVE W. Fanner										SIGNATURE OF CONTRACTOR'S TOOL PUSHER Fred Hodges										COUNTY N.W.T.									
TIME DISTRIBUTION—HOURS										DRILLING ASSEMBLY AT END OF TOUR										BIT RECORD									
MORN: DAY EVE										NO. STANDS D.P. 42585 FT.										MUD RECORD									
RIG UP & TEAR DOWN										2 SINGLES D.P. 462.70 FT.										FOOTAGE									
DRILLING ACTUAL 1 1/2										15 D.C. 6 3/4 462.70 FT.										FROM TO									
REAMING 2										D.C. 6 3/4 462.70 FT.										DR. D RM. R CORE. C									
CONDITIONING MUD & CIRCULATING										D.C. 6 3/4 462.70 FT.										CORE NO.									
TRIPS 1 1/4 1 1/2										D.C. 6 3/4 462.70 FT.										FORMATION (SHOW CORE RECOVERY)									
LUBRICATE RIG 1 1/4										D.C. 6 3/4 462.70 FT.										ROTARY RPM									
DEVIATION SURVEY										D.C. 6 3/4 462.70 FT.										WT. ON BIT 1000#									
TEST B.O.P.										D.C. 6 3/4 462.70 FT.										PUMP PRESS									
CUT OFF DRILLING LINE										D.C. 6 3/4 462.70 FT.										PUMP NO.									
REPAIR RIG										D.C. 6 3/4 462.70 FT.										PUMP NO.									
CORING 5 1/4										D.C. 6 3/4 462.70 FT.										METHOD RUN									
WIRE LINE LOGGING										D.C. 6 3/4 462.70 FT.										SGL. S PAR. EL. P COM. D.C.									
RUNNING CASING & CEMENTING										D.C. 6 3/4 462.70 FT.																			
WAITING ON CEMENT										D.C. 6 3/4 462.70 FT.																			
DRILL STEM TEST										D.C. 6 3/4 462.70 FT.																			
OTHER 1 1/2 2 1/4										D.C. 6 3/4 462.70 FT.																			
FISHING										D.C. 6 3/4 462.70 FT.																			
COMPLETION WORK										D.C. 6 3/4 462.70 FT.																			
A. PERFORATING										D.C. 6 3/4 462.70 FT.																			
B. TUBING TRIPS										D.C. 6 3/4 462.70 FT.																			
C. SWABBING										D.C. 6 3/4 462.70 FT.																			
D. TESTING										D.C. 6 3/4 462.70 FT.																			
E. ADDITIONAL										D.C. 6 3/4 462.70 FT.																			
TOTALS 8 8 8										D.C. 6 3/4 462.70 FT.																			
TIME SUMMARY (OFFICE USE ONLY)										D.C. 6 3/4 462.70 FT.																			
DAY WORK										D.C. 6 3/4 462.70 FT.																			
HRS. W/DP										D.C. 6 3/4 462.70 FT.																			
HRS. WO/DP										D.C. 6 3/4 462.70 FT.																			
HRS. STANDBY										D.C. 6 3/4 462.70 FT.																			
TOTAL DAY WORK										D.C. 6 3/4 462.70 FT.																			
WIRE LINE RECORD										D.C. 6 3/4 462.70 FT.																			
REEL NO.										D.C. 6 3/4 462.70 FT.																			
NO. OF LINES										D.C. 6 3/4 462.70 FT.																			
SIZE										D.C. 6 3/4 462.70 FT.																			
FEET SLIPPED										D.C. 6 3/4 462.70 FT.																			
FEET CUT OFF										D.C. 6 3/4 462.70 FT.																			
PRESENT LENGTH										D.C. 6 3/4 462.70 FT.																			
TON. M.L. OR TRIPS SINCE LAST CUT										D.C. 6 3/4 462.70 FT.																			
CUMULATIVE TON. M.L. OR TRIPS										D.C. 6 3/4 462.70 FT.																			
NO. OF DAYS FROM SPUD										D.C. 6 3/4 462.70 FT.																			
CUMULATIVE ROTATING HRS.										D.C. 6 3/4 462.70 FT.																			

Nº 3045

DAILY DRILLING REPORT

REPORT NO.

DATE NOV 8, 1969

OPERATOR AMOCO CANADA PETROLEUMS.		LEASE 9-1 FLETT		DATE NOV 8, 1969	
CONTRACTOR KEEN DRUG. LTD		RIG NO. 2		WELL NO. A-1	
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>		FIELD OR DIST. WILDCAT	
DRILL PIPE STRING NO. 1 SIZE 4 1/2		TOOL JOINT 6 3/8 O.D.		COUNTY NWT	
TYPE THD. 4 1/2 IF.		PUMPS		STATE NWT	
NO. 1 MANUFACTURER EMSCO		TYPE D850		SIZE 9 5/8	
NO. 2 MANUFACTURER "		TYPE DA700		STROKE LENGTH 18	
NO. 3 MANUFACTURER "		TYPE "		STROKE LENGTH 16	
LAST CASING TUBING OR LINER		SIZE 9 5/8		MAKE "	
WT. & GR.		NO. JOINTS		FEET	
RKB. TO CSG. HD.		SET AT 4590		REMARKS	

TIME DISTRIBUTION—HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000'		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
MORN	DAY	EVE	NO.	STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	FROM	TO	DR. D. RM. R. CORE C.	CORE NO.	FORMATION	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.
RIG UP & TEAR DOWN			49		4457.65	20			4770															
DRILLING ACTUAL			9		277.25	8 1/2																		
CONDITIONING MUD & CIRCULATING			1		3.10	3																		
TRIPS			2		3.10	12																		
LUBRICATE RIG			1		3.10	12																		
DEVIATION SURVEY			1		3.10	12																		
TEST B.O.P.			1		3.10	12																		
CUT OFF DRILLING LINE			1		3.10	12																		
REPAIR RIG			1		3.10	12																		
CORING			1		3.10	12																		
WIRE LINE LOGGING			1		3.10	12																		
RUNNING CASING & CEMENTING			1		3.10	12																		
WAITING ON CEMENT			1		3.10	12																		
OTHER			1		3.10	12																		
FISHING			1		3.10	12																		
COMPLETION WORK			1		3.10	12																		
TOTALS			1		3.10	12																		
TIME SUMMARY (OFFICE USE ONLY)			1		3.10	12																		
DAY WORK			1		3.10	12																		
HRS. W/DP			1		3.10	12																		
HRS. WO/DP			1		3.10	12																		
HRS. STANDBY			1		3.10	12																		

TIME DISTRIBUTION—HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000'		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
MORN	DAY	EVE	NO.	STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	FROM	TO	DR. D. RM. R. CORE C.	CORE NO.	FORMATION	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	
RIG UP & TEAR DOWN			46		4770	21			4770															
DRILLING ACTUAL			2		4770	6 3/4																		
CONDITIONING MUD & CIRCULATING			15		10.35	3907																		
TRIPS			1		35.85	4770																		
LUBRICATE RIG			1		7.60	4770																		
DEVIATION SURVEY			1		7.60	4770																		
TEST B.O.P.			1		7.60	4770																		
CUT OFF DRILLING LINE			1		7.60	4770																		
REPAIR RIG			1		7.60	4770																		
CORING			1		7.60	4770																		
WIRE LINE LOGGING			1		7.60	4770																		
RUNNING CASING & CEMENTING			1		7.60	4770																		
WAITING ON CEMENT			1		7.60	4770																		
OTHER			1		7.60	4770																		
FISHING			1		7.60	4770																		
COMPLETION WORK			1		7.60	4770																		
TOTALS			1		7.60	4770																		
TIME SUMMARY (OFFICE USE ONLY)			1		7.60	4770																		
DAY WORK			1		7.60	4770																		
HRS. W/DP			1		7.60	4770																		
HRS. WO/DP			1		7.60	4770																		
HRS. STANDBY			1		7.60	4770																		

TIME DISTRIBUTION—HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000'		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
MORN	DAY	EVE	NO.	STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	FROM	TO	DR. D. RM. R. CORE C.	CORE NO.	FORMATION	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	
RIG UP & TEAR DOWN			46		4770	21			4770															
DRILLING ACTUAL			2		4770	6 3/4																		
CONDITIONING MUD & CIRCULATING			15		10.35	3907																		
TRIPS			1		35.85	4770																		
LUBRICATE RIG			1		7.60	4770																		
DEVIATION SURVEY			1		7.60	4770																		
TEST B.O.P.			1		7.60	4770																		
CUT OFF DRILLING LINE			1		7.60	4770																		
REPAIR RIG			1		7.60	4770																		
CORING			1		7.60	4770																		
WIRE LINE LOGGING			1		7.60	4770																		
RUNNING CASING & CEMENTING			1		7.60	4770																		
WAITING ON CEMENT			1		7.60	4770																		
OTHER			1		7.60	4770																		
FISHING			1		7.60	4770																		
COMPLETION WORK			1		7.60	4770																		
TOTALS			1		7.60	4770																		
TIME SUMMARY (OFFICE USE ONLY)			1		7.60	4770																		
DAY WORK			1		7.60	4770																		
HRS. W/DP			1		7.60	4770																		
HRS. WO/DP			1		7.60	4770																		
HRS. STANDBY			1		7.60	4770																		

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Nº

DAILY DRILLING REPORT

REPORT NO.

DATE NOV 7, 1969

OPERATOR AMOCO CANADA PETROLEUM		LEASE D-1 FLETT		WELL NO. H-1		FIELD OR DIST. WILDCAT		COUNTY		STATE N.W.T.				
CONTRACTOR KEEN DRG LTD		RIG NO. 2	DRILL PIPE STRING NO. 1 SIZE 4 1/2 I.D.	TOOL JOINT 3 1/2 O.D.	PUMPS		SIZE 9 5/8	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
SIGNATURE OF OPERATOR'S REPRESENTATIVE W. Fanner		SIGNATURE OF CONTRACTOR'S TOOL PUSHER Fred Hodgkin		1. EMSCO		TYPE D850 18		LAST CASING TUBING OR LINER						
				2. "		DA 700 16								
				3.										

TIME DISTRIBUTION—HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN				
MORN	DAY	EVE	NO.	STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	VISC.-SEC	W.L.-CC.	FLTR. CK.	PH	SD. CONT. %	PRESSURE GRADIENT	FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	
			48	STANDS D.P.	4367.40	FT.	20									4740	4745	0							
			2	SINGLES D.P.	60.25	FT.	8 1/2																		
			9	D.C.	277.25	FT.	Reed																		
				I.D.	O.D.	FT.	YHWC																		
				D.C.																					
				I.D.	O.D.	FT.	NOZZLE	NO. 3																	
				STB. BODY	O.D.	FT.	SER. NO.	652105																	
				STB. BODY	G.D.	FT.	DEPTH OUT																		
				RMR. BODY	O.D.	FT.	DEPTH IN	4740																	
				SUBS	O.D.	FT.	TOTAL FTG.	5																	
				BIT OR C.B.		FT.	TOTAL HR. RUN	3 1/4																	
						FT.	COND. OF BIT																		
				KELLY DOWN	37.00	FT.	REAMER NO.																		
				TOTAL	4745.00	FT.	REAMER TYPE																		
				WT. OF STRING	175000	LBS.	DRILLER	J. R. Ruston																	
				BOILER & HRS.																					
			49	STANDS D.P.	4457.08	FT.	20									4745	4770	25							
			9	SINGLES D.P.		FT.	8 1/2																		
				D.C.	277.25	FT.	Reed																		
				I.D.	O.D.	FT.	YHWC																		
				D.C.																					
				I.D.	O.D.	FT.	NOZZLE	NO. 3																	
				STB. BODY	O.D.	FT.	SER. NO.	652105																	
				STB. BODY	O.D.	FT.	DEPTH OUT	4770																	
				RMR. BODY	O.D.	FT.	DEPTH IN	4740																	
				SUBS	O.D.	FT.	TOTAL FTG.	30																	
				BIT OR C.B.		FT.	TOTAL HR. RUN	6 1/2																	
						FT.	COND. OF BIT	1-1-1																	
				KELLY DOWN	9	FT.	REAMER NO.																		
				TOTAL		FT.	REAMER TYPE																		
				WT. OF STRING	175000	LBS.	DRILLER	Bob To... ..																	
				BOILER & HRS.																					
			49	STANDS D.P.	4457.08	FT.	20									4770									
			9	SINGLES D.P.		FT.	8 1/2																		
				D.C.	277.25	FT.	Reed																		
				I.D.	O.D.	FT.	YHWC																		
				D.C.																					
				I.D.	O.D.	FT.	NOZZLE	NO. 3																	
				STB. BODY	O.D.	FT.	SER. NO.	652105																	
				STB. BODY	O.D.	FT.	DEPTH OUT																		
				RMR. BODY	O.D.	FT.	DEPTH IN																		
				SUBS	O.D.	FT.	TOTAL FTG.																		
				BIT OR C.B.		FT.	TOTAL HR. RUN																		
						FT.	COND. OF BIT																		
				KELLY DOWN	9	FT.	REAMER NO.																		
				TOTAL	4770	FT.	REAMER TYPE																		
				WT. OF STRING	175000	LBS.	DRILLER	Bob To... ..																	
				BOILER & HRS.																					
			49	STANDS D.P.	4457.08	FT.	20									4770									
			9	SINGLES D.P.		FT.	8 1/2																		
				D.C.	277.25	FT.	Reed																		
				I.D.	O.D.	FT.	YHWC																		
				D.C.																					
				I.D.	O.D.	FT.	NOZZLE	NO. 3																	
				STB. BODY	O.D.	FT.	SER. NO.	652105																	
				STB. BODY	O.D.	FT.	DEPTH OUT																		
				RMR. BODY	O.D.	FT.	DEPTH IN																		
				SUBS	O.D.	FT.	TOTAL FTG.																		
				BIT OR C.B.		FT.	TOTAL HR. RUN																		
						FT.	COND. OF BIT																		
				KELLY DOWN	9	FT.	REAMER NO.																		
				TOTAL	4770	FT.	REAMER TYPE																		
				WT. OF STRING	175000	LBS.	DRILLER	Bob To... ..																	
				BOILER & HRS.																					



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TON MI. OR TRIPS
SINCE LAST CUT

CUMULATIVE
TON MI. OR TRIPS

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO. LINER SIZE S.P.M.	PUMP NO. LINER SIZE S.P.M.	METHOD RUN SCL-5 PART-P COM-EC
FROM	TO									
MORNING TOUR										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
FROM	TO									
12 ⁰⁰	8 ⁰⁰	8		NIPPLE UP B.O.P.S						
BOILER 8 HRS.										
DRILLER M. L. ...										
FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO. LINER SIZE S.P.M.	PUMP NO. LINER SIZE S.P.M.	METHOD RUN SCL-5 PART-P COM-EC
FROM	TO									
DAY TOUR										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
FROM	TO									
8 ⁰⁰	4 ⁰⁰	8		Heading up B.O.P.S change seal in fly joint						
PRESSURE TEST 6" BLIND Roms. @ 2000 Psi FOR 15 MIN HELD O.K.										
DRILLER Low ...										
FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO. LINER SIZE S.P.M.	PUMP NO. LINER SIZE S.P.M.	METHOD RUN SCL-5 PART-P COM-EC
FROM	TO									
EVENING TOUR										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
FROM	TO									
4 ⁰⁰	6 ³⁰	2 1/2		THAW OUT FLOOR: R.C. UP TO RUN IN HO						
6 ³⁰	9 ⁰⁰	2 1/2		RUN IN w/ B.T.						
9 ⁰⁰	10 ³⁰	1 1/2		THAW OUT KELLY: PRESSURE TEST P.P.T.H.M & HYDRAUL.						
10 ³⁰	11 ¹⁵	3/4		BLOW OUT FLAME LINE: REPAIR POP VALVE						
11 ¹⁵	12 ⁰⁰	3/4		DRILL OUT FLOAT						
PRESSURE TEST HYDRAULIC 5" PIPE Roms. to 2000 PSI FOR 15 MIN.										
HARD W. PRESSURE TEST DOWN WITH M.M. COLLAR										

No. 1262

DAILY DRILLING REPORT

REPORT NO.

LEASE

WELL NO. API WELL NUMBER

DATE

OPERATOR *FLUETT**A-1**N-19-60°40' 123°45'**NOV 5, 1969*SIGNATURE OF OPERATOR'S REPRESENTATIVE *ADOLFO CANADA PETROLEUM*SIGNATURE OF CONTRACTOR'S TOOL PUSHER *KEEN DRUG LTD**2*

D.P. SIZE	WT. FT.	GRADE	TOOL JOINT	TYPE	THREAD	STRING	PUMP NO.	MANUFACTURER	TYPE	STOCK LENGTH
5"	19.50	E	6 3/4	1/2	E	1	1	EMSCO	D 850	18
							2		DA 700	16

LAST CASING TUBING OR LINDER

9 5/8

WIRE LINE RECORD

REEL NO.

NO. OF LINES

FT. CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS

SINCE LAST CUT

CUMULATIVE

TON MI. OR TRIPS

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

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT	
15.	TEST B.Q.P.			STB RMR	OD	FT. MFG.	WEIGHT	PRESSURE GRADIENT	
16.	DRILL STEM TEST			D.C. ID	OD	FT. TYPE	VISC. SEC.		
17.	PLUG BACK			STB RMR	OD	FT. JETS 1/32"	PV. YP		
18.	SQUEEZE CEMENT			D.C. ID	OD	FT. SER. NO.	GELS		
19.	FISHING			STB RMR	OD	FT. DEPTH OUT	WL -CC'S		
20.	DIR. WORK					DEPTH IN	pH		
21.						TOTAL FTG.	SOLIDS %		
22.						TOTAL HRS. RUN			
COMPLETION	A. PERF'RT'N			STANDS DP	FT.	COND. 1/8" T.B. GAGE	MUD & CHEMICALS ADDED		
	B. TBG TRIPS			SINGLES DP	FT.	GPM. PD-PSI	TYPE	AMT.	TYPE
	C. TREATING			KELLY DOWN	FT.				
	D. SWABBING			TOTAL	FT.				
	E. TESTING								
	F. ADDIT'N'L			WT. OF STRING	LBS.				

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT	
23.				STB RMR	OD	FT. MFG.	WEIGHT	PRESSURE GRADIENT	
24.				D.C. ID	OD	FT. TYPE	VISC. SEC.		
25.				STB RMR	OD	FT. JETS 1/32"	PV. YP		
26.				D.C. ID	OD	FT. SER. NO.	GELS		
27.				STB RMR	OD	FT. DEPTH OUT	WL -CC'S		
28.						DEPTH IN	pH		
29.						TOTAL FTG.	SOLIDS %		
30.						TOTAL HRS. RUN			
COMPLETION	A. PERF'RT'N			STANDS DP	FT.	COND. 1/8" T.B. GAGE	MUD & CHEMICALS ADDED		
	B. TBG TRIPS			SINGLES DP	FT.	GPM. PD-PSI	TYPE	AMT.	TYPE
	C. TREATING			KELLY DOWN	FT.				
	D. SWABBING			TOTAL	FT.				
	E. TESTING								
	F. ADDIT'N'L			WT. OF STRING	LBS.				

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT	
31.				STB RMR	OD	FT. MFG.	WEIGHT	PRESSURE GRADIENT	
32.				D.C. ID	OD	FT. TYPE	VISC. SEC.		
33.				STB RMR	OD	FT. JETS 1/32"	PV. YP		
34.				D.C. ID	OD	FT. SER. NO.	GELS		
35.				STB RMR	OD	FT. DEPTH OUT	WL -CC'S		
36.						DEPTH IN	pH		
37.						TOTAL FTG.	SOLIDS %		
38.						TOTAL HRS. RUN			
COMPLETION	A. PERF'RT'N			STANDS DP	FT.	COND. 1/8" T.B. GAGE	MUD & CHEMICALS ADDED		
	B. TBG TRIPS			SINGLES DP	FT.	GPM. PD-PSI	TYPE	AMT.	TYPE
	C. TREATING			KELLY DOWN	FT.				
	D. SWABBING			TOTAL	FT.				
	E. TESTING								
	F. ADDIT'N'L			WT. OF STRING	LBS.				

MORNING TOUR

DAY TOUR

EVENING TOUR

FOOTAGE		DR. D RM-R CORE. C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000'		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO																		
1200	1230																		
1230	200																		
200	230																		
230	900																		
400	800																		

FOOTAGE		DR. D RM-R CORE. C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000'		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO																		
800	700																		

FOOTAGE		DR. D RM-R CORE. C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000'		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO																		
400	800																		
800	1000																		
1000	1200																		

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

No. 4260

DAILY DRILLING REPORT

REPORT NO.

LEASE
A-1 FLETT
WELL NO. A-1
API WELL NUMBER FLETT N19-60°40' 123°45'
DATE NOV 4, 1969AMOCO CANADA PETROLEUM
SIGNATURE OF OPERATOR'S REPRESENTATIVE
KEEN DRILLING LTD
SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE 5" WT. FT. 19.50 GRADE 15 TOOL JT Q.D. TYPE 6 3/8 4 1/2 LF STRING NO. 1 PUMP NO. 2 PUMP MANUFACTURER EMSCO TYPE D850 STROKES PER MIN 18 DA 700 16

FIELD OR DIST. COUNTY STATE
WIRE LINE RECORD
WIRE LINE NO. 1336
WIRE LINE DATE 10/46
WIRE LINE CUT OFF 8
WIRE LINE PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION - HOURS					NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC.-SEC.	PV-YP	GELS.
1	RIG UP AND TEAR DOWN				STB RMR	OD	FT. MFG.	REED	2.00	4.30	7.30	9.1	9.4	9.3
2	DRILL ACTUAL				D.C. ID	OD	FT. TYPE	STAG	90	132	14.2			
3	REAMING				STB RMR	OD	FT. JETS 1/32"	24 24 20						
4	CORING				D.C. ID	OD	FT. SER. NO.	2.90 380						
5	CONDITION MUD & CIRCULATE	1			STB RMR	OD	FT. DEPTH OUT		WL -CC'S	11.2				
6	TRIPS	2					DEPTH IN		pH	11				
7	LUBRICATE RIG	1/2					TOTAL FTG.		SOLIDS %					
8	REPAIR RIG						TOTAL HRS. RUN							
9	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1/8" T.B. GAGE		MUD & CHEMICALS ADDED					
10	DEVIATION SURVEY				SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.		
11	WIRE LINE LOGS				KELLY DOWN	FT.			GEL	4000				
12	RUN CASING & CEMENT	3/4			TOTAL	FT.			RENEW	14"				
13	WAIT ON CEMENT				WT. OF STRING	LBS.								
14	NIPPLE UP B.O.P.													

TIME DISTRIBUTION - HOURS					NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC.-SEC.	PV-YP	GELS.
15	TEST B.O.P.				STB RMR	OD	FT. MFG.							
16	DRILL STEM TEST				D.C. ID	OD	FT. TYPE							
17	PLUG BACK				STB RMR	OD	FT. JETS 1/32"							
18	SQUEEZE CEMENT				D.C. ID	OD	FT. SER. NO.							
19	FISHING				STB RMR	OD	FT. DEPTH OUT		WL -CC'S					
20	DIR. WORK						DEPTH IN		pH					
21	Run 10 Run Csg.	1/4					TOTAL FTG.		SOLIDS %					
22							TOTAL HRS. RUN							
23					STANDS DP	FT.	COND. 1/8" T.B. GAGE		MUD & CHEMICALS ADDED					
	A. PERF'KT'N				SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.		
	B. TBG TRIPS				KELLY DOWN	FT.								
	C. TREATING				TOTAL	FT.								
	D. SWABBING				WT. OF STRING	LBS.								
	E. TESTING													
	F. ADDIT'L													
	G.													

TIME DISTRIBUTION - HOURS					NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC.-SEC.	PV-YP	GELS.
	TOTALS	8			STB RMR	OD	FT. MFG.							
	DAY WORK TIME SUMMARY (OFFICE USE ONLY)				D.C. ID	OD	FT. TYPE							
	HRS. W/ CONTR. D.P.				STB RMR	OD	FT. JETS 1/32"							
	HRS. W/ D.P.				D.C. ID	OD	FT. SER. NO.							
	HRS. W/ D.P.				STB RMR	OD	FT. DEPTH OUT		WL -CC'S					
	HRS. STANDBY						DEPTH IN		pH					
							TOTAL FTG.		SOLIDS %					
							TOTAL HRS. RUN							
					STANDS DP	FT.	COND. 1/8" T.B. GAGE		MUD & CHEMICALS ADDED					
					SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.		
					KELLY DOWN	FT.								
					TOTAL	FT.								
					WT. OF STRING	LBS.								

FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.		PUMP NO.	PUMP NO.	METHOD RUN						
FROM	TO			LINER SIZE	S.P.M.				LINER SIZE	S.P.M.	SO. S PART CONC.								
4740																			
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION									
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS															
FROM	TO																		
1200	530	5 1/2		CIRC. & CONDITION MUD															
530	715	1 3/4		DUMMY TRIP 26 STDS - FEW TIGHT SPOTS															
715	800	3/4		CIRC. HOLE CLEAN															

DAY FOUR

FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	W. ON BIT 1000+	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO								LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION			
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS									
FROM	TO												
8:00	9:00	1		Work Done Circ Hole.									
9:00	9:30	1/2		Service Rig & B.O.P.S									
9:30	11:30	2		Trip Out to Pad Csg.									
11:30	12:45	1 1/4		Rig to Run Csg.									
12:45	4:00	3 1/4		Weld Boils on Float & Shoe Run 9 1/2 Csg.									
Boiler 8 Hrs. DRILLER J.M. Costello													

EVENING TOUR

FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000+	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN SGT PAGE CONT
FROM	TO			LINER SIZE	S.P.M.				LINER SIZE	S.P.M.			
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION			
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS									
FROM	TO												
400	8200	8		Run 9 1/2 Csg									
			</										



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

No 4258

DAILY DRILLING REPORT

REPORT NO.

WELL NO. A-1
API WELL NUMBER H-11-19, 60°40'13"45"
DATE 7/23/69
CONTRACTOR KEEN DMLC
RIG NO. 2OPERATOR
Amoco Can. Petr.
SIGNATURE OF OPERATOR'S REPRESENTATIVE
L. J. JannerSIGNATURE OF CONTRACTOR'S TOOL PUSHER
Fred G. GroganD.P. SIZE 5 WT. 19.50 GRADE E TOOL JO. 1/4" TYPE 4 1/2" PUMP NO. 1 PUMP MANUFACTURED Emsco TYPE P. 950 STROK. LENGTH 18
2 DA 720 16WIRE LINE RECORD
SIZE 1 1/4 IN. LINES 8 FT. CLIPPED
FT. CUT OFF
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT	VISC. SEC.
1.	RIG UP AND TEAR DOWN										
2.	DRILL		1/4		STB RMR OD	FT.	MFG.	12 1/4	9.5		
3.	REAMING				D.C. ID OD	FT.	TYPE	STAG	130		
4.	CORING				STB RMR OD	FT.	JETS 1/32"	24 24 20			
5.	CONDITION MUD & CIRCULATE	2 1/4	3 1/4		D.C. ID OD	FT.	SER. NO.	280380			
6.	TRIPS	3 3/4	1		STB RMR OD	FT.	DEPTH OUT				
7.	LUBRICATE RIG						DEPTH IN				
8.	REPAIR RIG						TOTAL FTG.				
9.	CUT OFF DRILLING LINE						TOTAL HRS. RUN				
10.	DEVIATION SURVEY				50 STANDS DP	459258	COND. 1/8" T.B. GAGE				
11.	WIRE LINE LOGS				1 SINGLES DP		GPM PD-PSI				
12.	RUN CASING & CEMENT				KELLY DOWN	34	FT.				
13.	WAIT ON CEMENT				TOTAL	4626	FT.				
14.	NIPPLE UP B.O.P.				WT. OF STRING		LBS.				
15.	TEST B.C.P.										
16.	DRILL STEM TEST										
17.	PLUG BACK										
18.	SQUEEZE CEMENT										
19.	FISHING										
20.	DIR. WORK										
21.	1 1/2" B.P.		2								
22.											
23.											
COMPLETION											
A. PERFORATION											
B. T.B. TRIPS											
C. TREATING											
D. SWABBING											
E. TESTING											
F. ADDITIONAL											
G.											
TOTALS				8							
DAY WORK TIME SUMMARY (OFFICE USE ONLY)											
HRS. W. CONTG. D.P.											
HRS. W. OPR. D.P.											
HRS. W. O.D.P.											
HRS. STANDBY											
TOTAL DAY WORK				14							
NO. OF DAYS FROM SPUD											
CUMULATIVE ROTATING HRS.											
TOTAL MUD COST											

FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000+	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
MORNING TOUR										
DEVIATION RECORD										
TIME LOG										
FROM TO ELAPSED TIME CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS										
1200 1 1/4 1 1/4 CIRC CLEAN HOLE Mix mud.										
145 5 15 3 1/2 HOIST Windy										
5 15 7 20 2 1/4 RUN IN Windy										
7 20 8 00 1/2 CIRC										
BOILER 8 HRS.										
DAY TOUR										
FOOTAGE										
DR. D RM-R CORE C										
CORE NO.										
FORMATION (SHOW CORE RECOVERY)										
ROTARY RPM										
WT. ON BIT 1000+										
PUMP PRESS										
PUMP NO.										
PUMP NO.										
METHOD RUN										
DEVIATION RECORD										
TIME LOG										
FROM TO ELAPSED TIME CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS										
8 00 8 45 3/4 CIRC. Run 50 sacks cement Aug 4576										
8 45 9 15 1/2 RUN CEMENT PLUG. 4626. Down 9:15 A.M. 1613.69										
9 15 11 40 2 1/2 HOIST										
11 45 12 10 1/2 SERVICE RIG & B.O.P.										
12 15 1 00 3/4 RUN IN W/ BIT D.C. & 3 STDS.										
1 00 4 00 3 W.O.C.										
BOILER 8 HRS.										
EVENING TOUR										
FOOTAGE										
DR. D RM-R CORE C										
CORE NO.										
FORMATION (SHOW CORE RECOVERY)										
ROTARY RPM										
WT. ON BIT 1000+										
PUMP PRESS										
PUMP NO.										
PUMP NO.										
METHOD RUN										
DEVIATION RECORD										
TIME LOG										
FROM TO ELAPSED TIME CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS										
4 00 5 30 1 1/2 W.O.C. Plug Firm. Pulling off to 4590 L.B.										
5 30 6 30 1 RUN IN										
6 30 8 30 2 Clean 150' to top of Plug 4570										
8 30 8 45 1/4 Drill 26' Cement to 4590										
8 45 12 00 3 1/4 Circ Hole & Conduction Mud										
Boiler 8 Hrs. Driller James F. Janner										

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

[illegible][illegible][illegible][illegible]

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No. 4253

DAILY DRILLING REPORT REPORT NO.

LEASE **FLETT** WELL NO. **A-1** API WELL NUMBER **FLETT N-19, 160°-140' 123°-45'** DATE **08/21/69**
 OPERATOR **Amoco Can Pete** CONTRACTOR **KEEN DRILL** RIG NO. **2**

SIGNATURE OF OPERATOR'S REPRESENTATIVE **W. Janner**
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER **Fred Ziegler**

SIZE **5** WT. **14.50** GRADE **E** TOOL JT. Q.D. **68** TYPE **HEIP** 1 **1** PUMP NO. **2** MFG. MANUFACTURER **Emaco** TYPE **D.950** STOCK LENGTH **19**
DA700 **16**

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	500	720
1	RIG UP AND TEAR DOWN										
2	DRILL ACTUAL				STB RMR	OD	FT.	MFG.	REED		
3	REAMING	5 1/4	5 3/4		D.C. ID	OD	462.70	FT.	TYPE	HGJ	
4	CORING				STB RMR	OD	FT.	JETS 1.32"	16 16 16		
5	CONDITION MUD & CIRCULATE				D.C. ID	OD	FT.	SER. NO.	288056		
6	TRIPS	2			STB RMR	OD	FT.	DEPTH OUT			
7	LUBRICATE RIG	1/4			2	5455	3.10	DEPTH IN			
8	REPAIR RIG	1/2						TOTAL F.T.G.			
9	CUT OFF DRILLING LINE				11	STANDS DP	FT.	COND. 1.8" T.B. GAGE			
10	DEVIATION SURVEY				1	SINGLES DP	FT.	GPM PD-PSI			
11	WIRE LINE LOGS					KELLY DOWN	FT.				
12	RUN CASING & CEMENT					TOTAL	FT.				
13	WAIT ON CEMENT					WT. OF STRING	LBS.				
14	NIPPLE UP B.O.P.										

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	500	720
15	TEST B.O.P.										
16	DRILL STEM TEST										
17	PLUG BACK				STB RMR	OD	FT.	MFG.	REED		
18	SQUEEZE CEMENT				D.C. ID	OD	FT.	TYPE	HGJ		
19	FISHING				STB RMR	OD	FT.	JETS 1.32"	16 16 16		
20	DIR. WORK				D.C. ID	OD	FT.	SER. NO.	288056		
21	WORK STUCK PIPE	1 3/4			STB RMR	OD	FT.	DEPTH OUT			
22	CLEAN MUD TANK	1/2						DEPTH IN			
23								TOTAL F.T.G.			
	A. PERF'TN							COND. 1.8" T.B. GAGE			
	B. TBG TRIPS							GPM PD-PSI			
	C. TREATING										
	D. SWABBING										
	E. TESTING										
	F. ADDIT'L										
	G.										

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	500	720
24	TOTAL DAY WORK	8									
25	NO. OF DAYS FROM 1950										
26	CUMULATIVE ROTATING HRS.										
27	TOTAL MUD COST										

FIELD OF DIST.	COUNTY	WELL	WIRE LINE RECORD	RECORD NO.
		NWT	114	8
SIZE	WIRE	WT. OF	DEPT.	WIRE TO
13 3/4				1046
				1046

FOOTAGE		DR. D	CORE	FORMATION	ROTARY	WT. ON	PUMP	PUMP NO.	PUMP NO.	METHOD
FROM	TO	IN. D	NO.	(SHOW CORE RECOVERY)	RPM	BIT 1000	PRESS	NO.	NO.	RUN

FOOTAGE		DR. D	CORE	FORMATION	ROTARY	WT. ON	PUMP	PUMP NO.	PUMP NO.	METHOD
FROM	TO	IN. D	NO.	(SHOW CORE RECOVERY)	RPM	BIT 1000	PRESS	NO.	NO.	RUN

FOOTAGE		DR. D	CORE	FORMATION	ROTARY	WT. ON	PUMP	PUMP NO.	PUMP NO.	METHOD
FROM	TO	IN. D	NO.	(SHOW CORE RECOVERY)	RPM	BIT 1000	PRESS	NO.	NO.	RUN



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

No. 4245

DAILY DRILLING REPORT

REPORT NO.

LEASE FLETT
 OPERATOR A.M.O.C.O. CAN PETE
 SIGNATURE OF OPERATOR'S REPRESENTATIVE *h.o. tanner*
 WELL NO. H1
 API WELL NUMBER FLETT N4960°40'123°45
 CONTRACTOR KEEN
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER *Erin Kelly*
 DATE 08/28/19
 PUMP NO. 2
 PUMP MANUFACTURER Emsco
 TYPE D850
 LENGTH 18
 LAST CASING JOINT OR LINE 1334
 SIZE 1046
 WT. ON BIT 1046

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT
1	RIG UP AND TEAR DOWN								
2	DRILL ACTUAL				STB RMR OD	FT.	MFG.	REED	PRESSURE GRADIENT
3	REAMING & CIRCULATING	1			D.C. ID 6 3/4 OD	462.70	FT.	TYPE	YHG
4	CORING				STB RMR OD	FT.	JETS 1 3/32"	2 12 12	PV/YP
5	CONDITION MUD & CIRCULATE				D.C. ID	OD	FT.	SER. NO.	556188
6	TRIPS	3			STB RMR OD	FT.	DEPTH OUT	WL - CC'S	GELS
7	LUBRICATE RIG				2 SUBS	3.10	DEPTH IN	PH	SOLIDS %
8	REPAIR RIG						TOTAL FTG.		
9	CUT OFF DRILLING LINE						TOTAL HRS. RUN		
10	DEVIATION SURVEY				46 STANDS DP	4182.85	FT.	COND. 1 8" T-B GAGE	
11	WIRE LINE LOGS				1 SINGLES DP	30.45	FT.	GPM. PD-PSI	
12	RUN CASING & CEMENT				KELLY DOWN	40	FT.		
13	WAIT ON CEMENT				TOTAL	4719	FT.		
14	RIPPLE UP B.O.P.				WT. OF STRING	180	LBS.		
15	TEST B.O.P.								
16	DRILL STEM TEST								
17	PLUG BACK								
18	SQUEEZE CEMENT								
19	FISHING				15 D.C. 6 3/4 OD	46270	FT.	TYPE	YHG
20	DIR. WORK				STB RMR OD	FT.	JETS 1 3/32"	12 12 12	PV/YP
21	CHANGE KELLY	2			D.C. ID	OD	FT.	SER. NO.	556188
22					STB RMR OD	FT.	DEPTH OUT	WL - CC'S	GELS
23					2 SUBS	3.10	DEPTH IN	PH	SOLIDS %
24							TOTAL FTG.		
25							TOTAL HRS. RUN		
26					46 STANDS DP	4182.85	FT.	COND. 1 8" T-B GAGE	
27					2 SINGLES DP	58.90	FT.	GPM. PD-PSI	
28					KELLY DOWN	22.45	FT.		
29					TOTAL	473000	FT.		
30					WT. OF STRING	190000	LBS.		
31									
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FOOTAGE		DR. D. RMR. CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
1200	200									
200	400									
400	700									
700	800									
DEVIATION RECORD TIME LOG FROM TO ELAPSED TIME CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS 1200 200 2 FINISH OUT 200 400 3 CHANGE KELLYS 400 700 3 RUN IN CLEAN BRIDGES @ 2262 @ 2700 @ 4200 700 800 1 CLEAN TO BOTTOM Boiler 8 HRS DRILLER <i>Pat</i>										
4719	4730									
DEVIATION RECORD TIME LOG FROM TO ELAPSED TIME CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS 800 815 1/4 CLEAN TO BOTTOM 815 845 1/2 DRUG FROM 4719 TO 4724 845 900 1/4 PULL 2 STDS 900 1130 2 1/2 BUILD VOLUME IN MUD TANKS 1130 1200 1/2 RUN IN & CLEAN TO BOTTOM 1200 1230 1/2 DRUG FROM 4724 TO 4730 1230 330 3 HOIST 330 400 1/2 CUT & SLIP LINE 50' Boiler 8 HRS DRILLER <i>M. R. R.</i>										
DEVIATION RECORD TIME LOG FROM TO ELAPSED TIME CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS 4100 4130 1/2 Slip 50' Pull Line 4130 4145 1/4 Service Line - B.O.P. 4145 700 2 1/4 Pick up & Move the joint down to the 700 800 1 Try to work - over all through bridges @ 2700 800 900 1 Hoist up down over bit & joint 900 1100 2 Run 2nd up 5/8 bit & joint through 1100 1130 1/2 Trip out to outside cage 1130 1145 1/4 by a mix water DRILLER <i>Pat</i>										



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

OPERATOR
Amoro (CMA) (ETA)
SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

FIELD OR DIST.		COUNTY	DATE	WIRE LINE RECORD	REMARKS
			AWT		
SIZE	MAKE	WT. & DR.	NO. PORTS	FEET	REMARKS
				1 1/4	WIRE LINE RECORD
				ST. OUT DIPS	PRESENT LENGTH

D.P. SIZE	WT. LBS.	GRADE	TOOL J.T. Q.D.	TYPE	THREAD	STAMP NO.	SUMP NO.	PUMP MANUFACTURER
5	19.50	F	6 3/4"	4 1/2"	1	1	3	Emeco

TYPE	STROK LENGTH
DA50	18
DA700	16

WIRE LINE RECORD REEL NO. _____

WIRE _____ TWO LINE _____ PRESENT LENGTH _____

1 1/4

FT. CUT OFF _____

TOTAL QS THIS _____

SINCE LAST CUT _____

CUMULATIVE _____

TOTAL QS TRIPS _____

TIME DISTRIBUTION - HOURS					NO.		DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD					
CODE NO.	OPERATION	WGRN.	DAY	EVE.		BIT		FT.	BIT NO.		TIME					
1.	RIG UP AND TEAR DOWN								19	SIZE	7 1/4	WEIGHT				
2.	DRILL ACTUAL					STB RMR	OD	FT.	MEG	RRR7		PRESSURE GRADIENT				
3.	REAMING	5 1/2		7	15	D.C. ID	OD	462.70	FT.	TYPE	1 1/2 C	VISC - SEC				
4.	CORING					STB RMR	OD	FT.	JEYS 1 32"	RRR7		PV VP				
5.	CONDITION MUD & CIRCULATE	2				D.C. ID	OD	FT.	SER. NO.	RRR7		GELS				
6.	TRIPS	1 1/4				STB RMR	OD	FT.	DEPTH OUT			WL - CCS				
7.	LUBRICATE RIG		1/4		2	Subs		3.10	DEPTH IN			PH				
8.	REPAIR RIG		1/4						TOTAL F.T.			SOLIDS %				
9.	CUT OFF DRILLING LINE								TOTAL MRS. RUN							
10.	DEVIATION SURVEY				17.	STANDS DP		FT.	COND. 1 1/2" T.B. GAGE			MUD & CHEMICALS ADDED				
11.	WIRE LINE LOGS					SINGLES DP		FT.	GPM. PD. PSI			TYPE	AMT.	TYPE	AMT.	
12.	RUN CASING & CEMENT					KELLY DOWN		FT.	P.O.T. STRING							
13.	WAIT ON CEMENT					TOTAL		2030	FT.	46 STDS						
						WT. OF STRING		LBS.	2 SIMPLIES							

FOOTAGE		DR. D RM. R CORE. C	COPE NO.	FORMATION (SHOW CORE RECOVER)	ROTARY RPM	WT. ON BIT TGM	PUMP PRESS	PUMP NO.	PUMP NO.	PUMP NO.	SC. L INCH
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.
							1600				

[illegible]

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
12 ⁰⁰	12 ¹⁵	1/4		V. 6 TORMIXMUD S. 6. - 1 HALLIBURTON.
12 ¹⁵	2 ¹⁵	2		MIXMUD.
2 ¹⁵	2 ³⁰	1/4		KUD IN
2 ³⁰	4 ⁰⁰	5 1/2		MIXMUD Clean Out 1992-2020

DRILLER *Epilix TNR*

14. NIPPLE UP B.O.P.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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[illegible]

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
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TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
800	300	7		CLEAN OUT TO 2050
300	330	1/2		WELD MUD LINE
330	400	1/2		CLEAN OUT

BOILER & HRS

G.		NO.		DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
TOTALS		BIT		FT. BIT NO.		19		TIME 6:00 7:00	
DAY WORK TIME SUMMARY (OFFICE USE ONLY)		STB RMR		OD		SIZE		WEIGHT 9.2 9.2	
HRS. W/ CONTR. D.P.		D.C. ID		OD 462.00		FT. TYPE		PRESSURE GRADIENT	
HRS. W/ OPR. D.P.		STB RMR		OD		FT. JET: 1 32"		VISC. SEC. 180 180	
HRS. W/ D.P.		D.C. ID		OD		FT. SER. NO.		PV. YP	
HRS. STANDBY		STB RMR		OD		FT. DEPTH OUT		GELS	
		2 7469		3.10		DEPTH IN		WL -CC-L-	
						TOTAL FTG.		PH	
						TOTAL HRS. RUN		SOLIDS %	
TOTAL DAY WORK		STANDS CP		FT.		COND. 1-8" T-B CAGE		MUD & CHEMICALS ADDED	
		SINGLES DP		FT.		GPM. PD-PSI		TYPE AMT. TYPE AMT.	
NO. OF DAYS FROM SPUD		KELLY DOWN		FT.					
CUMULATIVE ROTATING HRS.		TOTAL		FT.					
TOTAL MUD COST		WT. OF STRING		LBS.					

[illegible][illegible]

EVENING TO

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
4:00	4:15	1/4		Collected 2.9 " R.O.P."
4:15	4:30	1/4		Worked on 10" Pump
4:30	10:00	5 1/2		clean out
10:00	10:30	1/2		clean mud tank
10:30	12:00	1 1/2		clean out 2080'

DRIVER *[Signature]*

No. 4243

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
OPERATOR	CONTRACTOR		RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
D.P. SIZE	WT. & GR.	GRADE	TOOL JOINT
WT. & GR.	GRADE	TOOL JOINT	TYPE
WT. & GR.	GRADE	TOOL JOINT	STROKE LENGTH

FIELD OR DIST.	COUNTY	STATE	WIRE LINE RECORD	REEL NO.
SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET
LAST CASING TUBING OR LINER	NO. JOINTS	FEET	SET AT	FT. CUT OFF
TOH MI. OR TRIPS SINCE LAST CUT				PRESENT LENGTH
CUMULATIVE TOH MI. OR TRIPS				

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

MORNING TOUR

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT	VISC. SEC.
15.	TEST B.O.P.				STB RMR	OD	FT.	MFG.			
16.	DRILL STEM TEST				D.C. ID	OD	FT.	TYPE			
17.	PLUG BACK				STB RMR	OD	FT.	JETS 1/32"			
18.	SQUEEZE CEMENT				D.C. ID	OD	FT.	SER. NO.			
19.	FISHING				STB RMR	OD	FT.	DEPTH OUT			
20.	DIR. WORK							DEPTH IN			
21.								TOTAL FTG.			
22.								TOTAL HRS. RUN			
23.					STANDS DP	FT.	COND. 1/8" T.B. GAGE				
24.					SINGLES DP	FT.	GPM/ PD-PSI				
25.					KELLY DOWN	FT.					
26.					TOTAL	FT.					
27.					WT. OF STRING	LBS.					

DAY TOUR

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT	VISC. SEC.
28.					STB RMR	OD	FT.	MFG.			
29.					D.C. ID	OD	FT.	TYPE			
30.					STB RMR	OD	FT.	JETS 1/32"			
31.					D.C. ID	OD	FT.	SER. NO.			
32.					STB RMR	OD	FT.	DEPTH OUT			
33.								DEPTH IN			
34.								TOTAL FTG.			
35.								TOTAL HRS. RUN			
36.					STANDS DP	FT.	COND. 1/8" T.B. GAGE				
37.					SINGLES DP	FT.	GPM/ PD-PSI				
38.					KELLY DOWN	FT.					
39.					TOTAL	FT.					
40.					WT. OF STRING	LBS.					

EVENING TOUR

PRINTED IN U.S.A.
Form 374

APPROVED



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

No. 4239

DAILY DRILLING REPORT

REPORT NO.

LEASE **FIAT** WELL NO. **A-1** API WELL NUMBER **FIETN-19 60°-40' 123° 45'** DATE **02/24/69**

OPERATOR **Amoco Can. PTE** CONTRACTOR **KREN**

SIGNATURE OF OPERATOR'S REPRESENTATIVE **W. Janner** SIGNATURE OF CONTRACTOR'S TOOL PUSHER **[Signature]**

O.P. SIZE **5** WT. **19.50** GRADE **F** TOOL JT. **6 1/2** TYPE **WHP** STRING NO. **1** PUMP NO. **10** PUMP MANUFACTURER **Emeco** PUMP TYPE **DET** PUMP LENGTH **18**

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORN	DAY	EVE.	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	
1	RIG UP AND TEAR DOWN								
2	DRILL ACTUAL								
3	REAMING								
4	CORING								
5	CONDITION MUD & CIRCULATE								
6	TRIPS	3 1/4							
7	LUBRICATE RIG	1/4							
8	REPAIR RIG								
9	CUT OFF DRILLING LINE								
10	DEVIATION SURVEY								
11	WIRE LINE LOGS								
12	RUN CASING & CEMENT								
13	WAIT ON CEMENT								
14	NIPPLE UP B.O.P.								
15	TEST B.O.P.								
16	DRILL STEM TEST								
17	PLUG BACK								
18	SQUEEZE CEMENT								
19	FISHING	1 1/4							
20	DIR. WORK								
21	ILLING	2							
22	Tubing out	1 1/4							
23									
COMPLETION				DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
A. PERFORATION									
B. TBG TRIPS									
C. TREATING									
D. SWABING									
E. TESTING									
F. ADDITIONAL									
G.									
TOTALS									
DAY WORK TIME SUMMARY (OFFICE USE ONLY)									
HRS. W/ CONTR. D.P.									
HRS. W/ OPR. D.P.									
HRS. W/ O.D.P.									
HRS. STANDBY									
TOTAL DAY WORK									
NO. OF DAYS FROM SPUD									
CUMULATIVE ROTATING HRS.									
TOTAL MUD COST									

FOOTAGE		DR. D. RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
MORNING TOUR										
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
FROM	TO									
1200	1100	1 1/4		TUBESCOPE D.C. - KELLY (KELLY CRACKED)						
1100	1000	1 1/4		R.G. SERVO 180°						
1000	900	2		MAKE UP CIRC. H2O						
900	800	2		MERGURE IN HOLE						
800	700	1 1/4		CIRC. ABOVE FISH						
700	600	1 1/4		WORK OVERSIGHT						
600	500	1 1/4		HOIST CHAIN OUT						
BOILER 7 HRS.										
DAY TOUR										
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
FROM	TO									
900	1000	2		HOIST CHAIN OUT						
1000	1100	1 1/2		BREAK DOWN OVERSHOT W/ FISH						
1100	1200	1 1/2		R.G. OUT BRAR TOOL						
1200	1300	4000		BREAK & LET DOWN KELLY & WAIT ON NAME						
BOILER 8 HRS.										
EVENING TOUR										
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
FROM	TO									
400	700	3		PICK UP & RIG UP KELLY & PUT OLD KELLY IN SOCK & LAY DOWN - SERVICE RIG						
700	900	2 1/2		RUN IN W/ 12 1/4 BIT						
900	905	1/4		BREAK CIRC						
905	1200	2 1/4		DRUGS (REARM) 8 1/4 to 11 1/4						
BOILER 2 HRS.										

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

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

69

LEASE	WELL NO.	APPROX. WELL NUMBER	DATE
		FLETT N 19	
OPERATOR		CONTRACTOR	
FLETT	A1	120° 45' E 60° 40' W	OCT 22/69
			RIG NO.

SIGNATURE OF OPERATOR'S REPRESENTATIVE *A.M.O.C. CANADA PETROLEUM KERN. DRILLING.* 2

G Campbell
 G Vassler

CH	1450	E	6712	441 F.	2	EMSCO	DBSE
						EMSCO	DBSE

TIME DISTRIBUTION - HOURS				NO.	DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE	BIT	FT.	BIT NO.	TIME		
1.	RIG UP AND TEAP DOWN						18			6:00 730
2.	DRILL ACTUAL	4			STR RMR OD	FT.	18 1/2	WEIGHT		36 86
3.	REAMING	1			D.C. ID OD	FT.	REED	PRESSURE GRADIENT		445 44
4.	CORING				STR RMR OD	FT.	Y.H.C.	VISC. - SEC	Q	120 135
5.	CONDITION MUD & CIRCULATE				D.C. ID OD	FT.	OPEN	GELS	X	
6.	TRIPS	1:34			STR RMR OD	FT.	534187	WL. CC'S	Q	10
7.	LUBRICATE RIG	1:14 1/4			MANUEL	1766	DEPTH IN	PH	K	11
8.	REPAIR RIG				STUB	225	TOTAL FTG.	SOLIDS %		2/3
9.	CUT OFF DRILLING LINE				2 SUB	355	TOTAL HRS. RUN			
10.	DEVIATION SURVEY				15 STANDS OF	409.2	CONDU. 1-5" T.P. GAGE	MUD & CHEMICALS ADDED		
11.	WIRE LINE LOGS				2 SINGLES DP	5719	CONDU. PD-BSI	TYPE	AMT.	TYPE
12.	RUN CASING & CEMENT				KELLY DOWN	29		COLLIER	100 #	
13.	WAIT ON CEMENT				TOTAL	4647		BEH	400 #	
14.	NIPPLE UP				OF STRING	15-600		BEVEX	6 #	

NO.		DRILLING ASSEMBLY (A = end of tool)		BIT RECORD		MUD RECORD	
15.	TEST B.O.P.						
16.	DRILL STEM TEST			BIT	FT.	BIT NO.	TIME
17.	PLUG BACK					SIZE	WEIGHT
18.	SQUEEZE CEMENT	STB RMR	OD	FT.	WFG		PRESSURE GRADIENT
19.	FISHING	D.C. ID	OD	FT.	TYPE		VISC-SEC
20.	DIR. WORK	STB RMR	OD	FT.	JET, 1/2"		IN/YP
21.		D.C. ID	OD	FT.	SER. NO.		GELS
22.		STB RMR	OD	FT.	DEPTH CUT		ML-CC'S
23.					DEPTH IN		CM
COMPLETION	A. PERFORIN	STUB	205	TOTAL FTS	28		SOLIDS %
	B. TBG TRIPS	2. SUBS	3.53	TOTAL MRS RUN	7		
	C. TREATING	45 STANDS OF	4092.65	COND. 180 T'S GAGE	21		MUD & CHEMICAL ADDED
	D. SWABBING	2 SINGLES	57.49	FT.	200 PD-PSI	490.600	TYPE
	E. TESTING	KELLY DOWN	64.60	FT.			AMT.
	F. ADDIT'L	TOTAL	446.79	FT.			TYPE
	WT. OF STRING	156	LBS.				

NO.		DRILLING ASSEMBLY		BIT RECORD		MISC RECORD	
TOTALS		BIT		BIT REC.		TIME	
DAY WORK TIME SUMMARY (OFFICE USE ONLY)		H. OVERALL TO CORRAL 1.00		H. 0.152		7.50 18.00 12.00	
MRS. W. CONTR. D.P.		STB 1.00 0.05 0.05		SIZE 12 1/4		WEIGHT 8.6 8.6 8.6	
MRS. W. CONTR. D.P.		D.C. 1.5 0.05 0.05		REED		PRESSURE GRADIENT	
MRS. W. CONTR. D.P.		STB 1.5 0.05 0.05		FT. TYPE		VISC. SEC 155 105 135	
MRS. W. CONTR. D.P.		D.C. 1.5 0.05 0.05		FT. D.C. 1.5 0.05 0.05		PV. VP	
MRS. STANDBY		STB 1.5 0.05 0.05		FT. SER. NO.		SEGS	
		D.C. 1.5 0.05 0.05		FT. CERT. NO.		W. CC'S	
		STB 1.5 0.05 0.05		SEVEN IN		SH	
				TOTAL FTG.		TOTAL LOG	
				TOTAL MRS.			
				TOTAL LOG			
TOTAL DAY WORK		STANDS ON 24.8 13.3		TOTAL LOG		MRS. D. CHEMICALS ADDED	
		STANDS ON 24.8 13.3		TOTAL LOG		TYPE	
		STANDS ON 24.8 13.3		TOTAL LOG		TYPE	
MRS. OF DAYS FROM MRS.		KELLY DOWN 12.35		TOTAL LOG		CEL 1600H	
QUANTITATIVE ROTATING MRS.		TOTAL 12.35		TOTAL LOG		CEL 1600H	
TOTAL MRS. COST		TOTAL 12.35		TOTAL LOG		PENEX 6.7	

FIELD OR DIST.		COUNT		WIRE LINE RECORD		FEET MI.	
SIZE	WAND	W. R. CH.	NET TONNAGE	FEET	WIRE LINE	FEET	NET LINE
LAST CASING LUBING OR LINER	13 3/8				1046	14	8
				FT. OR OFF		WEIGHTED OR	
				TON MI. OR TRIPS		CUMULATIVE	
				CUMULATIVE		TON MI. OR TRIPS	

OUTAGE		DR. D Rm-R	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ACTARY RPM	WT ON BIT 1000	PUMP PRESS	LINE NO. SPM	PUMP NO. LINE SIZE	SPM	SEC. PAS. PER MIN.
FROM	TO										
4651	4667										
				5430	600	6 3/4	50				
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	
		4650	6 1/2								
TIME LOG		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS									
FROM	TO	ELAPSED TIME	CODE NO.								
1200	1215	1 1/4		RIG SERVICE							
1215	1230	1 1/4		✓ BOPS							
1230	215	2 3/4		RUN IN MEASURE + CALIBR. EACH THRU COLLAR							
215	315	1		BACK OFF CLEAN RAT HOLE							
315	400	3/4		SURVEY SAND LINE							
400	800	4		DRILL 3 1/2 HOLE							
				Boiler 8 HRS							
				Boiler 4							
				DRILL UNDER							

FOOTAGE		DR. D. RM. R. CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	POT. IRY Feet	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1 LINER SIZE S.P.M.	PUMP NO. LINER SIZE S.P.M.	METHO RUN S.P.M. PARTIAL COWD
FROM	TO									
4667	4679	12			58	30		634	58	
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
		4667	634	A679	7 1/4					
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
FROM	TO									
8:00	8:15	14		A.C. SURF VBOPS						
8:15	9:00	34		SURVEY SANDLINE.						
9:05	12:00	3		DRILL 8 1/2 HOLES.						
12:00	12:55	14		SURVEY @ A679 7 1/4						
12:55	4:00	3 1/2		HOIST LAYDOWN MENRI PICKUP HOLES OPENED						
				PULLED 4 KPS						
				2 1/2 HRS						

FOOTAGE		DRILL RPM	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT LBS.	PUMP PRESS.	FORMING		PUMP NO.		METHOD SUMP
FROM	TO							LINER SIZE	SPIN	LINER SIZE	SPIN	
4679			R ₁			60	12	600	6 1/4	60		
4640	4662		R									
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION		
TIME LOG		ELAPSED TIME	CORE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
FROM	TO			8 1/2" BIT BY 310 JETS CANNON								
400	700	3		WELD BIT ON REAMER & RUN IN								
700	1200	5		OPEN HOLE FROM 4640' TO 4662'								
				REAM 8 1/2" HOLE TO 12 1/2"								
				ROILED & LIT								
				END								

No. 4328

DAILY DRILLING REPORT REPORT NO.

LEASE FLETT
WELL NO. A1. FLETT N 19
CONTRACTOR 120° 45' E 60° 40' W. OCT 21/69

SIGNATURE OF OPERATOR'S REPRESENTATIVE

C. Campbell

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

KERN DRILLING

D. SIZE 8 1/2" WT. 150 LBS. GRADE E. 13/8" 4 1/2" 1" 2" PUMP MANUFACTURER EMSCO D 850 78 16

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD		
CODE NO.	OPERATION	WORN	DAY	EVE	BIT	FT.	BIT NO.	TIME	WEIGHT	GRADIENT
1	RIG UP AND TEAR DOWN						17	12:00 300 600	8.6	8.6 8.6
2	DRILL ACTUAL				STB RMR	OD	CT. MFG. REED	PRESSURE GRADIENT	445	445 445
3	REAMING				D.C. ID	OD	FT. TYPE Y51	VISC-SEC	160	155 165
4	CORING				STB RMR	OD	FT. JET 1 3/2" CON.	PV-YP		
5	CONDUIT & CIRCULATE				D.C. ID	OD	FT. SER. NO. FISHO1	CELLS		
6	TRIPS				STB RMR	OD	FT. DEPTH OUT	ML-CCS		
7	LUBRICATE RIG				Whip Stock	49.70	DEPTH IN	4635		
8	REPAIR RIG				SUBS	7.91	TOTAL FTG.	8		
9	CUT OFF DRILLING LINE				Model	17.66	TOTAL HRS. RUN	9 1/2		
10	DEVIATION SURVEY				STANDS DP	45.49.15	COND. 1 1/8" S.E. GAGE			
11	WIRE LINE LOGS				SINGLES DP		CPM PD-PSI			
12	RUN CASING & CEMENT				KELLY DOWN			112" STAG		
13	WAIT ON CEMENT				TOTAL	46.42		WATER		
14	NIPPLE UP & O.P.				WT. OF STRING	130M	LBS.			

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD		
CODE NO.	OPERATION	WORN	DAY	EVE	BIT	FT.	BIT NO.	TIME	WEIGHT	GRADIENT
15	TEST B.O.P.						17	8:00 10:00 12:00	8.6	8.6 8.6
16	DRILL STEM TEST				STB RMR	OD	CT. MFG. REED	PRESSURE GRADIENT	124	118 184
17	PLUG BACK				D.C. ID	OD	FT. TYPE Y51	VISC-SEC		
18	SQUEEZE CEMENT				STB RMR	OD	FT. JET 1 3/2" CON.	PV-YP		
19	FISHING				D.C. ID	OD	FT. SER. NO. FISHO1	CELLS		
20	DIE WORK				STB RMR	OD	FT. DEPTH OUT	ML-CCS	12.8	
21	WIRE LINE LOGS				Whip Stock	11.35	DEPTH IN	4635		
22	REPAIR RIG				SUBS	11.35	TOTAL FTG.	16		
23	CUT OFF DRILLING LINE				STANDS DP	45.49.15	COND. 1 1/8" S.E. GAGE	7 5/11		
24	CONDUIT & CIRCULATE				SINGLES DP	29.05	CPM PD-PSI	470 600		
25	WIRE LINE LOGS				KELLY DOWN			HOLE OPENER RR-12 1/2"		
26	WAIT ON CEMENT				TOTAL	46		5 FT. 4 1/2 HRS 4-3-1		
27	NIPPLE UP & O.P.				WT. OF STRING		LBS.			

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD		
CODE NO.	OPERATION	WORN	DAY	EVE	BIT	FT.	BIT NO.	TIME	WEIGHT	GRADIENT
28	TEST B.O.P.						18	6:00	8.6	
29	DRILL STEM TEST				STB RMR	OD	CT. MFG. REED	PRESSURE GRADIENT	118	
30	PLUG BACK				D.C. ID	OD	FT. TYPE Y51	VISC-SEC		
31	SQUEEZE CEMENT				STB RMR	OD	FT. JET 1 3/2" CON.	PV-YP		
32	FISHING				D.C. ID	OD	FT. SER. NO. FISHO1	CELLS		
33	DIE WORK				STB RMR	OD	FT. DEPTH OUT	ML-CCS		
34	WIRE LINE LOGS				Whip Stock	11.35	DEPTH IN	4635		
35	REPAIR RIG				SUBS	11.35	TOTAL FTG.	16		
36	CUT OFF DRILLING LINE				STANDS DP	45.49.15	COND. 1 1/8" S.E. GAGE	7 5/11		
37	CONDUIT & CIRCULATE				SINGLES DP	29.05	CPM PD-PSI	470 600		
38	WIRE LINE LOGS				KELLY DOWN			HOLE OPENER RR-12 1/2"		
39	WAIT ON CEMENT				TOTAL	46		5 FT. 4 1/2 HRS 4-3-1		
40	NIPPLE UP & O.P.				WT. OF STRING		LBS.			

TOTALS	8									
DAY WORK TIME SUMMARY (OFFICE USE ONLY)										
HRS. W. CONTR. D.P.										
HRS. A. O.P. D.P.										
HRS. W. D.P.										
HRS. STANDS										
TOTAL DAY WORK										
NO. OF DAYS FROM 1960										
CUMULATIVE ROTATING HRS.										
TOTAL MUD COST										

WIRE LINE RECORD

LAST Casing 1330. 1046

TOMAL CR TRIPS SINCE LAST CUT CUMULATIVE JOURNAL OR TRIPS

FOOTAGE		DR. D. RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 100'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO										
4635	4643		8			50	12	600	24	58	
DEVIATION RECORD											
TIME LOG											
FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
2:00	2:45	2 1/2		DRILL OFF FACE WHIP STOCK							
2:45	8:00	5 1/4		DRILL RAT HOLE							

FOOTAGE		DR. D. RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 100'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO										
4603	4651		8			50	12	600	24	58	
DEVIATION RECORD											
TIME LOG											
FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
6:00	12:00	4 1/2		DRILL 8 1/2" HOLE							
12:00	2:00	1 3/4		HOIST							
2:00	3:00	1 1/4		LAY DOWN WHIP STOCK - MODEL PICK UP HOLE AND RIG STINGER							
3:00	4:00	1 1/2		PICK UP STINGER							

FOOTAGE		DR. D. RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT (100')	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO							LINE SIZE	S.P.M.	LINE SIZE	S.P.M.	
4635	4640	R				50	4	600	24	58		
REAM 4635 - 4640 From 8 1/2" TO 12 1/2" W/ 12 1/2" HOLE OPENER												
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION		
8640		4 1/2										
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
4:00		3:55	1			RUN IN W/ HOLE OPENER 12 1/2"						
5:00		3:15	4 1/4			OPEN HOLE TO 4640						
5:15		4:30	1 1/4			DROP TOTAL @ 4640 4 1/2"						
7:30		11:15	1 3/4			HOIST						
11:15		12:00	3/4			LAY DOWN HOLE OPENER & PICK UP MODEL COLLAR.						
8 1/2"		BIT, EASTMAN STEEL MODEL COLLAR 15 COLLARS										



APPROVED



APPROVED

A.A.O.

-A.D.

OFFICIAL DAILY DRILLING REPORT FORM

No. 4327

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Operator <i>Flett</i>	<i>1</i>	<i>FLETT N19</i>	<i>120° 45 E 60° 40 00 Oct. 20/64</i>
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S REPRESENTATIVE	
<i>[Signature]</i>		<i>[Signature]</i>	
D.P. SIZE	WT. FT.	GRADE	TOOL JOINT TYPE THREADED JOINTING NO.
<i>2</i>	<i>14.50</i>	<i>2 3/4</i>	<i>1</i>
PUMP MANUFACTURER		TYPE	
<i>Emeco</i>		<i>D-8500 18</i>	
PUMP NO.		PUMP PRESS	
<i>2</i>		<i>500</i>	

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT
1	RIG UP AND TEAR DOWN				STB RMR OD	FT.	SIZE	8.00 4.00 6.00	8.6 8.6 8.6
2	DRILL ACTUAL				D.C. ID OD	FT.	MFG.	445 445 445	445 445 445
3	REAMING				STB RMR OD	FT.	TYPE	142 151 158	142 151 158
4	CORING				D.C. ID OD	FT.	JETS 1 32"		
5	CONDITION MUD & CIRCULATE				STB RMR OD	FT.	SER. NO.		
6	TRIPS				STB RMR OD	FT.	DEPTH OUT		
7	LUBRICATE RIG				STB RMR OD	FT.	DEPTH IN		
8	REPAIR RIG				STB RMR OD	FT.	TOTAL TWS RUN		
9	CUT OFF DRILLING LINE				STB RMR OD	FT.	COND. 1/8" T.B. GAGE		
10	DEVIATION SURVEY				STB RMR OD	FT.	GPM. PD-PSI		
11	WIRE LINE LOGS				STB RMR OD	FT.	TYPE		
12	RUN CASING & CEMENT				STB RMR OD	FT.	AMT.		
13	WAIT ON CEMENT				STB RMR OD	FT.	TYPE		
14	NIPPLE UP B.O.P.				STB RMR OD	FT.	AMT.		
15	TEST B.O.P.				STB RMR OD	FT.	AMT.		
16	DRILL STEM TEST				STB RMR OD	FT.	AMT.		
17	PLUG BACK				STB RMR OD	FT.	AMT.		
18	SQUEEZE CEMENT				STB RMR OD	FT.	AMT.		
19	FISHING				STB RMR OD	FT.	AMT.		
20	DIR. WORK				STB RMR OD	FT.	AMT.		
21	WORK WITH TRIPS				STB RMR OD	FT.	AMT.		
22	COMPLETION				STB RMR OD	FT.	AMT.		
23	A. PERF'RTN				STB RMR OD	FT.	AMT.		
24	B. TBG TRIPS				STB RMR OD	FT.	AMT.		
25	C. TREATING				STB RMR OD	FT.	AMT.		
26	D. SWABBING				STB RMR OD	FT.	AMT.		
27	E. TESTING				STB RMR OD	FT.	AMT.		
28	F. ADDIT'L				STB RMR OD	FT.	AMT.		
29	G.				STB RMR OD	FT.	AMT.		
30	TOTALS				STB RMR OD	FT.	AMT.		

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT
1	RIG UP AND TEAR DOWN				STB RMR OD	FT.	SIZE	10.6 10.6 10.7	11.0 11.0 11.0
2	DRILL ACTUAL				D.C. ID OD	FT.	MFG.	142 151 158	142 151 158
3	REAMING				STB RMR OD	FT.	TYPE		
4	CORING				D.C. ID OD	FT.	JETS 1 32"		
5	CONDITION MUD & CIRCULATE				STB RMR OD	FT.	SER. NO.		
6	TRIPS				STB RMR OD	FT.	DEPTH OUT		
7	LUBRICATE RIG				STB RMR OD	FT.	DEPTH IN		
8	REPAIR RIG				STB RMR OD	FT.	TOTAL TWS RUN		
9	CUT OFF DRILLING LINE				STB RMR OD	FT.	COND. 1/8" T.B. GAGE		
10	DEVIATION SURVEY				STB RMR OD	FT.	GPM. PD-PSI		
11	WIRE LINE LOGS				STB RMR OD	FT.	TYPE		
12	RUN CASING & CEMENT				STB RMR OD	FT.	AMT.		
13	WAIT ON CEMENT				STB RMR OD	FT.	TYPE		
14	NIPPLE UP B.O.P.				STB RMR OD	FT.	AMT.		
15	TEST B.O.P.				STB RMR OD	FT.	AMT.		
16	DRILL STEM TEST				STB RMR OD	FT.	AMT.		
17	PLUG BACK				STB RMR OD	FT.	AMT.		
18	SQUEEZE CEMENT				STB RMR OD	FT.	AMT.		
19	FISHING				STB RMR OD	FT.	AMT.		
20	DIR. WORK				STB RMR OD	FT.	AMT.		
21	WORK WITH TRIPS				STB RMR OD	FT.	AMT.		
22	COMPLETION				STB RMR OD	FT.	AMT.		
23	A. PERF'RTN				STB RMR OD	FT.	AMT.		
24	B. TBG TRIPS				STB RMR OD	FT.	AMT.		
25	C. TREATING				STB RMR OD	FT.	AMT.		
26	D. SWABBING				STB RMR OD	FT.	AMT.		
27	E. TESTING				STB RMR OD	FT.	AMT.		
28	F. ADDIT'L				STB RMR OD	FT.	AMT.		
29	G.				STB RMR OD	FT.	AMT.		
30	TOTALS				STB RMR OD	FT.	AMT.		

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT
1	RIG UP AND TEAR DOWN				STB RMR OD	FT.	SIZE	10.6 10.6 10.7	11.0 11.0 11.0
2	DRILL ACTUAL				D.C. ID OD	FT.	MFG.	142 151 158	142 151 158
3	REAMING				STB RMR OD	FT.	TYPE		
4	CORING				D.C. ID OD	FT.	JETS 1 32"		
5	CONDITION MUD & CIRCULATE				STB RMR OD	FT.	SER. NO.		
6	TRIPS				STB RMR OD	FT.	DEPTH OUT		
7	LUBRICATE RIG				STB RMR OD	FT.	DEPTH IN		
8	REPAIR RIG				STB RMR OD	FT.	TOTAL TWS RUN		
9	CUT OFF DRILLING LINE				STB RMR OD	FT.	COND. 1/8" T.B. GAGE		
10	DEVIATION SURVEY				STB RMR OD	FT.	GPM. PD-PSI		
11	WIRE LINE LOGS				STB RMR OD	FT.	TYPE		
12	RUN CASING & CEMENT				STB RMR OD	FT.	AMT.		
13	WAIT ON CEMENT				STB RMR OD	FT.	TYPE		
14	NIPPLE UP B.O.P.				STB RMR OD	FT.	AMT.		
15	TEST B.O.P.				STB RMR OD	FT.	AMT.		
16	DRILL STEM TEST				STB RMR OD	FT.	AMT.		
17	PLUG BACK				STB RMR OD	FT.	AMT.		
18	SQUEEZE CEMENT				STB RMR OD	FT.	AMT.		
19	FISHING				STB RMR OD	FT.	AMT.		
20	DIR. WORK				STB RMR OD	FT.	AMT.		
21	WORK WITH TRIPS				STB RMR OD	FT.	AMT.		
22	COMPLETION				STB RMR OD	FT.	AMT.		
23	A. PERF'RTN				STB RMR OD	FT.	AMT.		
24	B. TBG TRIPS				STB RMR OD	FT.	AMT.		
25	C. TREATING				STB RMR OD	FT.	AMT.		
26	D. SWABBING				STB RMR OD	FT.	AMT.		
27	E. TESTING				STB RMR OD	FT.	AMT.		
28	F. ADDIT'L				STB RMR OD	FT.	AMT.		
29	G.				STB RMR OD	FT.	AMT.		
30	TOTALS				STB RMR OD	FT.	AMT.		

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT
1	RIG UP AND TEAR DOWN				STB RMR OD	FT.	SIZE	10.6 10.6 10.7	11.0 11.0 11.0
2	DRILL ACTUAL				D.C. ID OD	FT.	MFG.	142 151 158	142 151 158
3	REAMING				STB RMR OD	FT.	TYPE		
4	CORING				D.C. ID OD	FT.	JETS 1 32"		
5	CONDITION MUD & CIRCULATE				STB RMR OD	FT.	SER. NO.		
6	TRIPS				STB RMR OD	FT.	DEPTH OUT		
7	LUBRICATE RIG				STB RMR OD	FT.	DEPTH IN		
8	REPAIR RIG				STB RMR OD	FT.	TOTAL TWS RUN		
9	CUT OFF DRILLING LINE				STB RMR OD	FT.	COND. 1/8" T.B. GAGE		
10	DEVIATION SURVEY				STB RMR OD	FT.	GPM. PD-PSI		
11	WIRE LINE LOGS				STB RMR OD	FT.	TYPE		
12	RUN CASING & CEMENT				STB RMR OD	FT.	AMT.		
13	WAIT ON CEMENT				STB RMR OD	FT.	TYPE		
14	NIPPLE UP B.O.P.				STB RMR OD	FT.	AMT.		
15	TEST B.O.P.				STB RMR OD	FT.	AMT.		
16	DRILL STEM TEST				STB RMR OD	FT.	AMT.		
17	PLUG BACK				STB RMR OD	FT.	AMT.		
18	SQUEEZE CEMENT				STB RMR OD	FT.	AMT.		
19	FISHING				STB RMR OD	FT.	AMT.		
20	DIR. WORK				STB RMR OD	FT.	AMT.		
21	WORK WITH TRIPS				STB RMR OD	FT.	AMT.		
22	COMPLETION				STB RMR OD	FT.	AMT.		
23	A. PERF'RTN				STB RMR OD	FT.	AMT.		
24	B. TBG TRIPS				STB RMR OD	FT.	AMT.		
25	C. TREATING				STB RMR OD	FT.	AMT.		
26	D. SWABBING				STB RMR OD	FT.	AMT.		
27	E. TESTING				STB RMR OD	FT.	AMT.		
28	F. ADDIT'L				STB RMR OD	FT.	AMT.		
29	G.				STB RMR OD	FT.	AMT.		
30	TOTALS				STB RMR OD	FT.	AMT.		

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT
1	RIG UP AND TEAR DOWN				STB RMR OD	FT.	SIZE	10.6 10.6 10.7	11.0 11.0 11.0
2	DRILL ACTUAL				D.C. ID OD	FT.	MFG.	142 151 158	142 151 158
3	REAMING				STB RMR OD	FT.	TYPE		
4	CORING				D.C. ID OD	FT.	JETS 1 32"		
5	CONDITION MUD & CIRCULATE				STB RMR OD	FT.	SER. NO.		
6	TRIPS				STB RMR OD	FT.	DEPTH OUT		
7	LUBRICATE RIG				STB RMR OD	FT.	DEPTH IN		
8	REPAIR RIG				STB RMR OD	FT.	TOTAL TWS RUN		
9	CUT OFF DRILLING LINE				STB RMR OD	FT.	COND. 1/8" T.B. GAGE		
10	DEVIATION SURVEY				STB RMR OD	FT.	GPM. PD-PSI		
11	WIRE LINE LOGS				STB RMR OD	FT.	TYPE		
12	RUN CASING & CEMENT				STB RMR OD	FT.	AMT.		
13	WAIT ON CEMENT				STB RMR OD	FT.	TYPE		
14	NIPPLE UP B.O.P.				STB RMR OD	FT.	AMT.		
15	TEST B.O.P.				STB RMR OD	FT.	AMT.		
16	DRILL STEM TEST				STB RMR OD	FT.	AMT.		
17	PLUG BACK				STB RMR OD	FT.	AMT.		
18	SQUEEZE CEMENT				STB RMR OD	FT.	AMT.		
19	FISHING				STB RMR OD	FT.	AMT.		
20	DIR. WORK				STB RMR OD	FT.	AMT.		
21	WORK WITH TRIPS				STB RMR OD	FT.	AMT.		
22	COMPLETION				STB RMR OD	FT.	AMT.		
23	A. PERF'RTN				STB RMR OD	FT.	AMT.		
24	B. TBG TRIPS				STB RMR OD	FT.	AMT.		
25	C. TREATING				STB RMR OD	FT.	AMT.		
26	D. SWABBING				STB RMR OD	FT.	AMT.		
27	E. TESTING				STB RMR OD	FT.	AMT.		
28	F. ADDIT'L				STB RMR OD	FT.	AMT.		
29	G.				STB RMR OD	FT.	AMT.		
30	TOTALS				STB RMR OD	FT.	AMT.		

FOOTAGE		SQ. D SWAB CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. IN BIT 100'	PUMP PRESS	PUMP NO. 1	PUMP NO.	METHOD RUN
FROM	TO									
16	35				52			500	634	58

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
10:00	5:30	5 1/2		Core. Hole w/ Pipe
5:30	6:30	1		Survey w/ Swabbing Unit
6:30	8:00	1 1/2		Core. Hole w/ Pipe

No. 4325

DAILY DRILLING REPORT

REPORT NO.

LEASE: *Flett A-1* WELL NO. *A-1* API WELL NUMBER: *120° 45 E 60° 40 W* DATE: *Oct. 14/64*

OPERATOR: *Flett A-1* CONTRACTOR: *2*

SIGNATURE OF OPERATOR'S REPRESENTATIVE: *Fred Benda* SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *W. M. M. M.*

D.P. SIZE: *5" 1950 E* TOOL IT. C.D. TYPE: *4 1/2"* STR. NO.: *1* PUMP NO.: *2* PUMP MANUFACTURER: *Emasco* TYPE: *D-850* STR. LENGTH: *16*

FIELD NO. *1336* COUNTY: *N.W.T.* STATE: *114* WIRE LINE RECORD: *1046*

TIME DISTRIBUTION - HOURS: *2 1/2 3/4*

CODE NO.	OPERATION	MORN.	DAY	EVE.	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	RIG UP AND TEAR DOWN							
2	DRILL ACTUAL							
3	REAMING							
4	CORING							
5	CONDITION MUD & CIRCULATE							
6	TRIPS							
7	LUBRICATING							
8	REPAIR RIG							
9	CUT OFF DRILLING LINE							
10	DEVIATION SURVEY							
11	WIRE LINE LOGS							
12	RUN CASING							
13	WAIT ON CEMENT							
14	NIPPLE UP B.O.P.							
15	TEST B.O.P.							
16	DRILL STEM TEST							
17	PLUG BACK							
18	SQUEEZE CEMENT							
19	FISHING							
20	DIR. WORK							
21	WORKING							
22								
23								

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	STB RMR OD	FT. BIT NO. <i>16 RR</i>	TIME <i>8:00</i>
2	D.C. ID OD	FT. MFG. <i>12 1/4</i>	WEIGHT <i>8.6</i>
3	STB RMR OD	FT. TYPE <i>YMG</i>	PRESSURE GRADIENT <i>445</i>
4	D.C. ID OD	FT. JETS <i>1 3/4"</i>	VISC. SEC. <i>120</i>
5	STB RMR OD	FT. SER. NO. <i>650328</i>	PV. YP
6	D.C. ID OD	FT. DEPTH OUT <i>4628</i>	GELS
7	STB RMR OD	FT. DEPTH IN <i>4620</i>	ML. CC'S <i>12.6</i>
8	D.C. ID OD	FT. TOTAL FTG. <i>4620</i>	PH <i>11.0</i>
9	STB RMR OD	FT. TOTAL HRS. RUN <i>1/2</i>	SOLIDS FC <i>402</i>
10	D.C. ID OD	FT. COND. 1.8" T.B. GAGE	
11	STB RMR OD	FT. GPM. PD. PSI	
12	D.C. ID OD	FT. KELLY DOWN <i>87</i>	
13	STB RMR OD	FT. TOTAL <i>4628</i>	
14	D.C. ID OD	FT. WT. OF STRING <i>132.000</i>	
15	STB RMR OD	FT. BIT NO. <i>16 RR</i>	TIME <i>8:00</i>
16	D.C. ID OD	FT. MFG. <i>12 1/4</i>	WEIGHT <i>8.6</i>
17	STB RMR OD	FT. TYPE <i>YMG</i>	PRESSURE GRADIENT <i>445</i>
18	D.C. ID OD	FT. JETS <i>1 3/4"</i>	VISC. SEC. <i>120</i>
19	STB RMR OD	FT. SER. NO. <i>650328</i>	PV. YP
20	D.C. ID OD	FT. DEPTH OUT <i>4635</i>	GELS
21	STB RMR OD	FT. DEPTH IN <i>4620</i>	ML. CC'S
22	D.C. ID OD	FT. TOTAL FTG. <i>15</i>	PH
23	STB RMR OD	FT. TOTAL HRS. RUN <i>1 1/4</i>	SOLIDS %
24	D.C. ID OD	FT. COND. 1.8" T.B. GAGE	
25	STB RMR OD	FT. GPM. PD. PSI	
26	D.C. ID OD	FT. KELLY DOWN <i>15</i>	
27	STB RMR OD	FT. TOTAL <i>4635</i>	
28	D.C. ID OD	FT. WT. OF STRING <i>130.11</i>	

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	STB RMR OD	FT. BIT NO. <i>16 RR</i>	TIME <i>8:00</i>
2	D.C. ID OD	FT. MFG. <i>12 1/4</i>	WEIGHT <i>8.6</i>
3	STB RMR OD	FT. TYPE <i>YMG</i>	PRESSURE GRADIENT <i>445</i>
4	D.C. ID OD	FT. JETS <i>1 3/4"</i>	VISC. SEC. <i>135</i>
5	STB RMR OD	FT. SER. NO. <i>650328</i>	PV. YP
6	D.C. ID OD	FT. DEPTH OUT <i>4635</i>	GELS
7	STB RMR OD	FT. DEPTH IN <i>4620</i>	ML. CC'S <i>10</i>
8	D.C. ID OD	FT. TOTAL FTG. <i>15</i>	PH <i>11</i>
9	STB RMR OD	FT. TOTAL HRS. RUN <i>1 1/4</i>	SOLIDS <i>2/32</i>
10	D.C. ID OD	FT. COND. 1.8" T.B. GAGE	
11	STB RMR OD	FT. GPM. PD. PSI	
12	D.C. ID OD	FT. KELLY DOWN <i>15</i>	
13	STB RMR OD	FT. TOTAL <i>4635</i>	
14	D.C. ID OD	FT. WT. OF STRING <i>130.11</i>	
15	STB RMR OD	FT. BIT NO. <i>16 RR</i>	TIME <i>8:00</i>
16	D.C. ID OD	FT. MFG. <i>12 1/4</i>	WEIGHT <i>8.6</i>
17	STB RMR OD	FT. TYPE <i>YMG</i>	PRESSURE GRADIENT <i>445</i>
18	D.C. ID OD	FT. JETS <i>1 3/4"</i>	VISC. SEC. <i>145</i>
19	STB RMR OD	FT. SER. NO. <i>650328</i>	PV. YP
20	D.C. ID OD	FT. DEPTH OUT <i>4635</i>	GELS
21	STB RMR OD	FT. DEPTH IN <i>4620</i>	ML. CC'S <i>10</i>
22	D.C. ID OD	FT. TOTAL FTG. <i>15</i>	PH <i>11</i>
23	STB RMR OD	FT. TOTAL HRS. RUN <i>1 1/4</i>	SOLIDS <i>2/32</i>
24	D.C. ID OD	FT. COND. 1.8" T.B. GAGE	
25	STB RMR OD	FT. GPM. PD. PSI	
26	D.C. ID OD	FT. KELLY DOWN <i>15</i>	
27	STB RMR OD	FT. TOTAL <i>4635</i>	
28	D.C. ID OD	FT. WT. OF STRING <i>130.11</i>	

TIME DISTRIBUTION - HOURS: *2 1/2 3/4*

MORNING TOUR

DAY TOUR

EVENING TOUR

FOOTAGE	DR. D. RMR. CORE. C.	CORE NO.	FORMATION	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
4623	4628		Reaming	50	15	700	6 3/4	56	
4628	4635		Reaming	50	15	700	6 3/4	56	
4635	4640		Reaming	50	15	700	6 3/4	56	
4640	4645		Reaming	50	15	700	6 3/4	56	
4645	4650		Reaming	50	15	700	6 3/4	56	
4650	4655		Reaming	50	15	700	6 3/4	56	
4655	4660		Reaming	50	15	700	6 3/4	56	
4660	4665		Reaming	50	15	700	6 3/4	56	
4665	4670		Reaming	50	15	700	6 3/4	56	
4670	4675		Reaming	50	15	700	6 3/4	56	
4675	4680		Reaming	50	15	700	6 3/4	56	
4680	4685		Reaming	50	15	700	6 3/4	56	
4685	4690		Reaming	50	15	700	6 3/4	56	
4690	4695		Reaming	50	15	700	6 3/4	56	
4695	4700		Reaming	50	15	700	6 3/4	56	
4700	4705		Reaming	50	15	700	6 3/4	56	
4705	4710		Reaming	50	15	700	6 3/4	56	
4710	4715		Reaming	50	15	700	6 3/4	56	
4715	4720		Reaming	50	15	700	6 3/4	56	
4720	4725		Reaming	50	15	700	6 3/4	56	
4725	4730		Reaming	50	15	700	6 3/4	56	
4730	4735		Reaming	50	15	700	6 3/4	56	
4735	4740		Reaming	50	15	700	6 3/4	56	
4740	4745		Reaming	50	15	700	6 3/4	56	
4745	4750		Reaming	50	15	700	6 3/4	56	
4750	4755		Reaming	50	15	700	6 3/4	56	
4755	4760		Reaming	50	15	700	6 3/4	56	
4760	4765		Reaming	50	15	700	6 3/4	56	
4765	4770		Reaming	50	15	700	6 3/4	56	
4770	4775		Reaming	50	15	700	6 3/4	56	
4775	4780		Reaming	50	15	700	6 3/4	56	
4780	4785		Reaming	50	15	700	6 3/4	56	
4785	4790		Reaming	50	15	700	6 3/4	56	
4790	4795		Reaming	50	15	700	6 3/4	56	
4795	4800		Reaming	50	15	700	6 3/4	56	
4800	4805		Reaming	50	15	700	6 3/4	56	
4805	4810		Reaming	50	15	700	6 3/4	56	
4810	4815		Reaming	50	15	700	6 3/4	56	
4815	4820		Reaming	50	15	700	6 3/4	56	
4820	4825		Reaming	50	15	700	6 3/4	56	
4825	4830		Reaming	50	15	700	6 3/4	56	
4830	4835		Reaming	50	15	700	6 3/4	56	
4835	4840		Reaming	50	15	700	6 3/4	56	
4840	4845		Reaming	50	15	700	6 3/4	56	
4845	4850		Reaming	50	15	700	6 3/4	56	
4850	4855		Reaming	50	15	700	6 3/4	56	
4855	4860		Reaming	50	15	700	6 3/4	56	
4860	4865		Reaming	50	15	700	6 3/4	56	
4865	4870		Reaming	50	15	700	6 3/4	56	
4870	4875		Reaming	50	15	700	6 3/4	56	
4875	4880		Reaming	50	15	700	6 3/4	56	
4880	4885		Reaming	50	15	700	6 3/4	56	
4885	4890		Reaming	50	15	700	6 3/4	56	
4890	4895		Reaming	50	15	700	6 3/4	56	
4895	4900		Reaming	50	15	700	6 3/4	56	
4900	4905		Reaming	50	15	700	6 3/4	56	
4905	4910		Reaming	50	15	700	6 3/4	56	
4910	4915		Reaming	50	15	700	6 3/4	56	
4915	4920		Reaming	50	15	700	6 3/4	56	
4920	4925		Reaming	50	15	700	6 3/4	56	
4925	4930		Reaming	50	15	700	6 3/4	56	
4930	4935		Reaming	50	15	700	6 3/4	56	
4935	4940		Reaming	50	15	700	6 3/4	56	
4940	4945		Reaming	50	15	700	6 3/4	56	
4945	4950		Reaming	50	15	700	6 3/4	56	
4950	4955		Reaming	50	15	700	6 3/4	56	
4955	4960		Reaming	50	15	700	6 3/4	56	
4960	4965		Reaming	50	15	700	6 3/4	56	
4965	4970		Reaming	50	15	700	6 3/4	56	
4970	4975		Reaming	50	15	700	6 3/4	56	
4975	4980		Reaming	50	15	700	6 3/4	56	
4980	4985		Reaming	50	15	700	6 3/4	56	
4985	4990		Reaming	50	15	700	6 3/4	56	
4990	4995		Reaming	50	15	700	6 3/4	56	
4995	5000		Reaming	50	15	700	6 3/4	56	

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

DAILY DRILLING REPORT DATE REPORTING

12-15-55

WELL NO. 1 EAST WELL NUMBER

FLATT A-1 A-1 120° 45 E 10° 40 W Oct 18/64

Amro

SIGNATURE OF CONTRACTOR: [Signature]

SIGNATURE OF OPERATOR'S REPRESENTATIVE

Fred A. Bondar

SIGNATURE OF CONTRACTOR: [Signature]

DR. VALVE	SIZE	TYPE	THREADS	STARTING NO.	STOPPING NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 3/4"	4 1/2"	1	Emasco	D-850	18"
					2		D-850	18"

FIELD DIST.						COUNTY	STATE	WIRE LINE RECORD		P.EEL NO.
DATE	TIME	PLACE	MAKE	ST. & WIND	DIRECTION	FEET	RND TO LOGG NO.	SET BY	NO OF LINES	PERCENT LENGTH
1947		13 3/8						1046		
						TOTAL OF TAPS SINCE LAST CUT				
						CUMULATIVE				

[illegible]

FOOTAGE		DR. D R.A. R CORE	CORE NO.	FORMA	ROTARY RPM	WT ON BIT 1000	PUMP PRESS	PUMP NO.	LINE SIZE	S.P.W.	LINE SIZE
4620	4626										

DEVIATION RECORD		DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV.
TIME LOG									
FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
19:00	19:45	3/4		Landed T.W. off whipstock					
19:45	20:15	1/2		Whip DWT 5' E.L.					
20:15	20:45	1/2		Trill off whipstock. Flare.					
20:45	21:00	2/4		Trill 2 3/8 bit flange					
4620 - 4626									

12. B.Q.P.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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[illegible][illegible]

FOOTAGE		DR. D RM-R CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT TONS	CUMULATIVE PRESS.	PUMP NO.	CHILLER	WATER
FROM	TO							LINE IN SIZE	S.P.M.	LINE IN SIZE
DEVIATION RECORD										
TIME LOST		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	
TIME LOST	TO	TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
4:00	4:20	1/2		HOIST						
4:20	5:30	1		LAY DOWN WHIRLSTICK - 1/2 HOLE OPER.						
5:30	6:45	1 1/4		LAY DOWN WHIRLSTICK - 1/2 HOLE OPER.						
6:45	10:00	3 1/4		REARM HAT HOLE UP HOLE OPER 4620 - 4623						
10:00	10:30	1/4		SURVEY						
10:30	12:00	1 1/2		HOIST						

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

SIGNATURE OF OPERATOR REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL-PUSHER

SIZE IN FT. GRADE 703117 C.D. TYPE TREAD LINDING NO. 1008111 MANUFACTURER

6	19.50	E ^o	6 7/8	to 10	I	F=580	8.50	1/8
					I	F=510	T-4. 700	1/8

LAST
CLASS
TO BE
HOLD

1334

1546

CH 111-14-307

TOTAL IN-TRIP
HATELAST CUM
CUMULATIVE
TOTAL OF ITEM

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORK	DATE	EYE	BIT	FT	BIT NO.	SIZE	TIME	WEIGHT	TIME
1	RIG UP AND TEAR DOWN				STE RMP	OD	FT	MFG.	16 RR	12.14	8.6
2	DRILL ACTUAL				D.C. ID	OD	FT	TYPE	Reed	445	445
3	REAMING				STB RMP	OD	FT	SETS 1 3/4"	VME	92	90
4	CORING				D.C. ID	OD	FT	SER. NO.	CUT	14.8	15.0
5	CONDITION MUD & CIRCULATE				STB RMP	OD	FT	DEPTH OUT	650528	10.5	10.5
6	TRIPS							DEPTH IN		7.32	7.32
7	LUBRICATE RIG							TOTAL FTG.			
8	REPAIR RIG							TOTAL HRS. RUN			
9	CUT OFF DRILLING LINE							COND. 1 3/4" T.B. GAGE			
10	DEVIATION SURVEY							CPM PD PSI			
11	WIRE LINE LOS										
12	RUN CASING & CEMENT										
13	WAIT ON CEMENT										
					STANDS DP	FT			MUD & CHEMICALS ADDED		
					SINGLES	CP	FT			TYPE	AMT.
					KELLY DOWN	27	FT			PEELER	1000 LB
					TOTAL		FT			PEELER	1000 LB
					WT. OF STRING	172.000	LBS			PEELER	1000 LB

14. NIPPLE UP B.C.P.		NO.		DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
15. TEST B.O.P.		BIT		FT.		BIT NO.		TIME	
16. DRILL STEM TEST		SIZE		FT.		SIZE		WEIGHT	
17. PLUG BACK		STB		DO		FT.		PRESSURE GRADIENT	
18. SQUEEZE CEMENT		U.C.		DO		FT.		VISC. SEC.	
19. FISHING		STB		DO		FT.		PV/YP	
20. DIP WORK		RMR		DO		FT.		GELS.	
21.		U.C.		DO		FT.		ML. CC'S	
22.		STB		DO		FT.		PH	
23.		RMR		DO		FT.		SOLIDS %	
COMPLETION		TOTAL FTG.		TOTAL MRS. RUN		TOTAL MRS. RUN		MUD & CHEMICALS ADDED	
A. PERFR'TN		STANDS		DO		DO		TYPE	
B. TSG TRIPS		SINGLES		DO		DO		AMT.	
C. TREATIN		KELLY DOWN		DO		DO		TYPE	
D. SHABB AG		TOTAL		DO		DO		AMT.	
E. TESTING		TOTAL		DO		DO		TYPE	
F. ADDITN		TOTAL		DO		DO		AMT.	
G. ADDITN		TOTAL		DO		DO		TYPE	
H. ADDITN		TOTAL		DO		DO		AMT.	
I. ADDITN		TOTAL		DO		DO		TYPE	
J. ADDITN		TOTAL		DO		DO		AMT.	
K. ADDITN		TOTAL		DO		DO		TYPE	
L. ADDITN		TOTAL		DO		DO		AMT.	
M. ADDITN		TOTAL		DO		DO		TYPE	
N. ADDITN		TOTAL		DO		DO		AMT.	
O. ADDITN		TOTAL		DO		DO		TYPE	
P. ADDITN		TOTAL		DO		DO		AMT.	
Q. ADDITN		TOTAL		DO		DO		TYPE	
R. ADDITN		TOTAL		DO		DO		AMT.	
S. ADDITN		TOTAL		DO		DO		TYPE	
T. ADDITN		TOTAL		DO		DO		AMT.	
U. ADDITN		TOTAL		DO		DO		TYPE	
V. ADDITN		TOTAL		DO		DO		AMT.	
W. ADDITN		TOTAL		DO		DO		TYPE	
X. ADDITN		TOTAL		DO		DO		AMT.	
Y. ADDITN		TOTAL		DO		DO		TYPE	
Z. ADDITN		TOTAL		DO		DO		AMT.	

TOTALS		DRILLING ASSEMBLY (A record of hour)		BIT RECORD		MUD RECORD	
DAY WORK TIME SUMMARY (OFFICE USE ONLY)		BIT		FT. BIT NO.		TIME	
HRS. W/ CONTR. D.P.		FT. RMP		SIZE		WEIGHT	
HRS. W/ D.P.		DC 10		FT. WFG		PRESSURE GRADIENT	
HRS. W/ D.P.		DC 10		FT. TYPE		VISC. SEC.	
HRS. STANDBY		DC 10		FT. JETS W/ST		RMP	
		DC 10		FT. SER. NO.		GELS	
		DC 10		FT. DTH		ML CCS	
		DC 10		DEPTH IN		SOLIDS #	
TOTAL DAY WORK		STANDS OF		TOTAL HRS. RUN		MUD & CHEMICALS ADDED	
		SINGLES		COND. IN AGE		TYPE	
NO. OF DAYS		KELLY DOWN		POLPS		TYPE	
CUMULATIVE		TOTAL		FT.		TYPE	
ROTATING HRS.		WT. OF STRING		LBS.		TYPE	

[illegible]

DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
FROM	TO									
7:00	7:15	3 1/4		Double up to 1000 ft						
7:15	7:45	4		Trip log down to 1000 ft						
7:45	8:00	3 1/4		Close out						

Boiler 6 HRS

[illegible]

DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
FROM	TO	ELAPSED TIME	CODE NO.							
8:00	8:30	1/2		DRILL 5' CEMENT FROM						
8:30	10:15	1 3/4	9	CIRC. COND. MUD						
10:15	11:00	3/4		SURFING 12 H. E. V. MUD						
11:00	2:30	3 1/2		CIRC. COND. MUD						
2:30	3:30	1/2		DRAINING TRIP 20 STANDS. CLEAN 5' TEST M						
3:30	4:00	1/2		CIRC. COND. MUD						
				RILLER 8 H. 23						

[illegible]

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG	ELAPSED	CODE NO.	DETAILS OF OPERATION	SEQUENCE AND REMARKS					
FROM	TO								
400	500	1/4	CIRCUIT - LOW - 1140						
500	700	1/4	Dumping 12, 1050	(W = FIN)					
700	900	1/2	CORE DRILLING - HOLE						
900	1000	1/2	HAIST - SKM						
1000	1100	1/2	HAIST - SKM						
1100	1200	1/2	HAIST - SKM						
1200	1300	1/2	HAIST - SKM						
1300	1400	1/2	HAIST - SKM						
1400	1500	1/2	HAIST - SKM						
1500	1600	1/2	HAIST - SKM						
1600	1700	1/2	HAIST - SKM						
1700	1800	1/2	HAIST - SKM						
1800	1900	1/2	HAIST - SKM						
1900	2000	1/2	HAIST - SKM						
2000	2100	1/2	HAIST - SKM						
2100	2200	1/2	HAIST - SKM						
2200	2300	1/2	HAIST - SKM						
2300	2400	1/2	HAIST - SKM						
2400	2500	1/2	HAIST - SKM						
2500	2600	1/2	HAIST - SKM						
2600	2700	1/2	HAIST - SKM						
2700	2800	1/2	HAIST - SKM						
2800	2900	1/2	HAIST - SKM						
2900	3000	1/2	HAIST - SKM						
3000	3100	1/2	HAIST - SKM						
3100	3200	1/2	HAIST - SKM						
3200	3300	1/2	HAIST - SKM						
3300	3400	1/2	HAIST - SKM						
3400	3500	1/2	HAIST - SKM						
3500	3600	1/2	HAIST - SKM						
3600	3700	1/2	HAIST - SKM						
3700	3800	1/2	HAIST - SKM						
3800	3900	1/2	HAIST - SKM						
3900	4000	1/2	HAIST - SKM						
4000	4100	1/2	HAIST - SKM						
4100	4200	1/2	HAIST - SKM						
4200	4300	1/2	HAIST - SKM						
4300	4400	1/2	HAIST - SKM						
4400	4500	1/2	HAIST - SKM						
4500	4600	1/2	HAIST - SKM						
4600	4700	1/2	HAIST - SKM						
4700	4800	1/2	HAIST - SKM						
4800	4900	1/2	HAIST - SKM						
4900	5000	1/2	HAIST - SKM						
5000	5100	1/2	HAIST - SKM						
5100	5200	1/2	HAIST - SKM						
5200	5300	1/2	HAIST - SKM						
5300	5400	1/2	HAIST - SKM						
5400	5500	1/2	HAIST - SKM						
5500	5600	1/2	HAIST - SKM						
5600	5700	1/2	HAIST - SKM						
5700	5800	1/2	HAIST - SKM						
5800	5900	1/2	HAIST - SKM						
5900	6000	1/2	HAIST - SKM						
6000	6100	1/2	HAIST - SKM						
6100	6200	1/2	HAIST - SKM						
6200	6300	1/2	HAIST - SKM						
6300	6400	1/2	HAIST - SKM						
6400	6500	1/2	HAIST - SKM						

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

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



 UNITED STATES DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 WASHINGTON, D. C. 20540

100

No. 4310

DAILY DRILLING REPORT

REPORT NO.

LEASE: A-1 FLETT
WELL NO: A-1
API WELL NUMBER: 120°45' E 60°40' W
DATE: OCT 12, 1965
CONTRACTOR: KEEN DRUG. LTD
RIG NO: 2OPERATOR: AMOCO
SIGNATURE OF OPERATOR'S REPRESENTATIVE: Fred R. ...
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Fred R. ...D.P. SIZE: 5" 19.5 IE
GRADE: 6 3/8 4 1/2 IF
TOOL JOINT: 1
PUMP NO: 1
PUMP MANUFACTURER: EMSCO
TYPE: D 850
STROKE LENGTH: 18
DA 700 16WIRE LINE RECORD
SIZE: 13 3/8
NO. LINES: 1046
FT. CUT OFF: 60 10/20/450 6 1/4 58
FORM. ML. OF TRIPS SINCE LAST CUT: 60 10/20/450 6 1/4 58
CUMULATIVE TON MI. OR TRIPS: 60 10/20/450 6 1/4 58

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT
1.	RIG UP AND TEAR DOWN								
2.	DRILL ASSEMBLY	8 1/4			STB RMR OD	FT.	MFG.	2 5 7	8.8 8.2 8.8
3.	REAMING				D.C. ID OD	FT.	TYPE		
4.	CORING				STB RMR OD	FT.	JETS 1 3/2"		
5.	CONDITION MUD & CIRCULATE	4 1/4			D.C. ID OD	FT.	SER. NO.		
6.	TRIPS	3			STB RMR OD	FT.	DEPTH OUT		6.3
7.	LUBRICATE RIG						DEPTH IN		10
8.	REPAIR RIG						TOTAL FTG.		
9.	CUT OFF DRILLING LINE						TOTAL HRS. RUN		
10.	DEVIATION SURVEY				STANDS DP	454688	COND. 1 1/8" T.B. GAGE		
11.	WIRE LINE LOGS				SINGLES DP		GPM. PD.-PSI		
12.	RUN CASING & CEMENT				KELLY DOWN	41.00	FT.		
13.	WAIT ON CEMENT				TOTAL	4585.00	FT.		
14.	NIPPLE UP B.O.P.				WT. OF STRING	130000	LBS.		
15.	TEST B.P.								
16.	DRILL STEM TEST								
17.	PLUG BACK	1 1/2							
18.	SQUEEZE CEMENT								
19.	FISHING								
20.	GR. WORK								
21.									
22.									
COMPLETION									
A.	PERF'RT'N								
B.	TBG TRIPS								
C.	TREATING								
D.	SWABING								
E.	TESTING								
F.	ADDIT'N'L								
G.									
TOTALS									
DA. WORK TIME SUMMARY (OFFICE USE ONLY)									
HRS. W/CONTR. D.P.									
HRS. W/OPR. D.P.									
HRS. WD/D.P.									
HRS. STANDBY									
TOTAL DAY WORK									
NO. OF DAYS FROM SPUD									
CUMULATIVE ROTATING HRS.									
TOTAL MUD COST									
WT. OF STRING									

FOOTAGE		DR. D. RM. R. CORE. C.		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO																		
4725																			
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
1205		645		6 3/4		W.O.C.													
645		700		1 1/4		DRILL 15' OF CEMENT - 7 MIN.													
700		715		1 1/4		CIRC.													
715		730		1 1/4		DRILL 30' OF CEMENT													
730		745		1 1/4		CIRC.													
745		805		1 1/4		DRILL 15' OF CEMENT TO 4585'													
						Boiler 8 HRS.													
						Boiler 8 HRS.													
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
8:00		8:15		1 1/4		Drill 15' Cement to 4600'													
8:15		9:45		1 1/2		Circ. Hole													
9:45		10:45		3		Trip Out Run IN Open End.													
10:45		1:00		1 1/4		Circ.													
1:00		1:30		1 1/2		Cementing													
1:30		4:00		2 1/2		Run Sand Plug = 2 77 sk Cement - 1 1/2 Sk													
4:00		4:15		1 1/2		30-40-Sand Max Plug Down - 1 1/2 PM													
4:15		4:45		1 1/2		Circ. 3 stabs top of Plug													
4:45		4:50		1 1/2		Boiler 4600 - 4450													
						Boiler 8 HRS.													
						Boiler 8 HRS.													
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
4:00		10:15		6 1/4		Circ. Top of Plug. W.O.C.													
10:15		11:30		1 1/4		Hoist													
11:30		12:00		1 1/2		W.O.C.													
						Boiler 8 HRS.													
						Boiler 8 HRS.													
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
4:00		10:15		6 1/4		Circ. Top of Plug. W.O.C.													
10:15		11:30		1 1/4		Hoist													
11:30		12:00		1 1/2		W.O.C.													
						Boiler 8 HRS.													
						Boiler 8 HRS.													
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
4:00		10:15		6 1/4		Circ. Top of Plug. W.O.C.													
10:15		11:30		1 1/4		Hoist													
11:30		12:00		1 1/2		W.O.C.													
						Boiler 8 HRS.													
						Boiler 8 HRS.													
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
4:00		10:15		6 1/4		Circ. Top of Plug. W.O.C.													
10:15		11:30		1 1/4		Hoist													
11:30		12:00		1 1/2		W.O.C.													
						Boiler 8 HRS.													
						Boiler 8 HRS.													
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
4:00		10:15		6 1/4		Circ. Top of Plug. W.O.C.													
10:15		11:30		1 1/4		Hoist													
11:30		12:00		1 1/2		W.O.C.													
						Boiler 8 HRS.													
						Boiler 8 HRS.													
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
4:00		10:15		6 1/4		Circ. Top of Plug. W.O.C.													
10:15		11:30		1 1/4		Hoist													
11:30		12:00		1 1/2		W.O.C.													
						Boiler 8 HRS.													
						Boiler 8 HRS.													
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
4:00		10:15		6 1/4		Circ. Top of Plug. W.O.C.													
10:15		11:30		1 1/4		Hoist													
11:30		12:00		1 1/2		W.O.C.													
						Boiler 8 HRS.													
						Boiler 8 HRS.													
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
4:00		10:15		6 1/4		Circ. Top of Plug. W.O.C.													
10:15		11:30		1 1/4		Hoist													
11:30		12:00		1 1/2		W.O.C.													
						Boiler 8 HRS.													
						Boiler 8 HRS.													
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
4:00		10:15		6 1/4		Circ. Top of Plug. W.O.C.													
10:15		11:30		1 1/4		Hoist													
11:30		12:00		1 1/2		W.O.C.													
						Boiler 8 HRS.													
						Boiler 8 HRS.													
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
4:00		10:15		6 1/4		Circ. Top of Plug. W.O.C.													
10:15		11:30		1 1/4		Hoist													
11:30		12:00		1 1/2		W.O.C.													
						Boiler 8 HRS.													
						Boiler 8 HRS.													
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
4:00		10:15		6 1/4		Circ. Top of Plug. W.O.C.													
10:15		11:30		1 1/4		Hoist													
11:30		12:00		1 1/2		W.O.C.													
						Boiler 8 HRS.													
						Boiler 8 HRS.													
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
4:00		10:15		6 1/4		Circ. Top of Plug. W.O.C.													
10:15		11:30		1 1/4		Hoist													
11:30		12:00		1 1/2		W.O.C.													
						Boiler 8 HRS.													
						Boiler 8 HRS.													
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
4:00		10:15		6 1/4		Circ. Top of Plug. W.O.C.													
10:15		11:30		1 1/4		Hoist													
11:30		12:00		1 1/2		W.O.C.													
						Boiler 8 HRS.													
						Boiler 8 HRS.													
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
4:00		10:15		6 1/4		Circ. Top of Plug. W.O.C.													
10:15		11:30		1 1/4		Hoist													
11:30		12:00		1 1/2		W.O.C.													
						Boiler 8 HRS.													
						Boiler 8 HRS.													
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
4:00		10:15		6 1/4		Circ. Top of Plug. W.O.C.													
10:15		11:30		1 1/4		Hoist													
11:30		12:00		1 1/2		W.O.C.													
						Boiler 8 HRS.													
						Boiler 8 HRS.													
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
4:00		10:15		6 1/4		Circ. Top of Plug. W.O.C.													
10:15		11:30		1 1/4		Hoist													
11:30		12:00		1 1/2		W.O.C.													
						Boiler 8 HRS.													
						Boiler 8 HRS.													
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
4:00		10:15		6 1/4		Circ. Top of Plug. W.O.C.													
10:15		11:30		1 1/4		Hoist													
11:30		12:00		1 1/2		W.O.C.													
						Boiler 8 HRS.													
						Boiler 8 HRS.													
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM		TO																	
4:00																			

No. 4308

DAILY DRILLING REPORT REPORT NO.

LEASE
A-1 FLETT
WELL NO. A-1
API WELL NUMBER 120° 45' E 60° 40' W
DATE OCT 11, 1968
CONTRACTOR KEEN DRUG LTD
RIG NO. 2SIGNATURE OF OPERATOR'S REPRESENTATIVE
Fred Smadar
SIGNATURE OF CONTRACTOR'S TOOL PUSHER
Fred Gladys
D.P. SIZE 5" WT. FT. 19.5 GRADE E TOOL JOINT TYPE 6 1/2 4 1/2 E ST. NO. 1 PUMP NO. 2 PUMP MANUFACTURER EMSCO TYPE D 850 18 STROKE LENGTH 16FIELD OR DIT. HWT. 104/6
WIRE LINE RECORD REEL NO. 8
SIZE 1 1/2
FT. CUT OFF
PRESENT LENGTH
TON ML. OF TRIPS SINCE LAST CUT
CUMULATIVE TON ML. OF TRIPS

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

MORNING TOUR

DAY TOUR

EVENING TOUR

FOOTAGE		DR. D RM-R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METH RUN		
FROM	TO								LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SC PAGE COM
4725													

No. 4306

DAILY DRILLING REPORT

REPORT NO.

LEASE OPERATOR **A-1 FLETT** WELL NO. **A-1** API WELL NUMBER **120°45' E 60°40' W** DATE **OCT 10 1985**

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

*Fred Borden**KEEN DRILLING LTD*
John Hadglin

TOOL JO. OLD. TYPE THREAD STRING NO. **5" 19.5 E 6 3/8 4 1/2 IF 1** PUMP NO. **2** PUMP MANUFACTURER **EMSCO** TYPE **V.850** STROKES PER MIN. **18**

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	
1	RIG UP AND TEAR DOWN				STB RMR	OD	FT. MFG.	REED			
2	DRILL ACTUAL				D.C. ID	6 3/4	OD	FT. TYPE	YSIG		
3	REAMING				STB RMR	OD	FT. JETS 1/32"	OPEN			
4	CORING				D.C. ID	OD	FT. SER. NO.	355250			
5	CONDUCTIVITY & CIRCULATE				STB RMR	OD	FT. DEPTH OUT				
6	TRIPS						DEPTH IN				
7	LUBRICATE RIG						TOTAL FTG.				
8	REPAIR RIG						TOTAL HRS. RUN				
9	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1/8" T.B. GAGE				
10	DEVIATION SURVEY				SINGLES DP	FT.	GPM PD-PSI				
11	WIRE LINE LOGS				KELLY DOWN	FT.					
12	CEMENT				TOTAL	FT.					
13	WAIT ON CEMENT				WT. OF STRING	LBS.					
14	NIPPLE UP B.O.P.										
15	TEST B.O.P.										
16	DRILL STEM TEST										
17	PLUG BACK										
18	SQUEEZE CEMENT										
19	FISHING										
20	DIR. WORK										
21											
22											
23											

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

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

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

FIELD OR DIST. COUNTY STATE WIRE LINE RECORD REEL NO. 1/4 8

FOOTAGE		DR. D. RMR. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
4725										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
12:00	100	1	FINISH OUT & LAY DOWN WASH OVER PIPE							
1:00	2:45	1 3/4	RUN IN W/ 8 1/2" BIT							
2:45	6:30	3 3/4	CHASE WHIPSTOCK TO 4640'							
6:30	8:00	1 1/2	CIRC. & CONDITION MUD							

FOOTAGE		DR. D. RMR. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
8:00	10:30	2:20	Circ. Condition Mud							
10:30	12:15	1 3/4	Trip Out							
12:15	1:00	3/4	Break a key down Jaws & Subs.							
1:00	2:15	1 1/4	Run in open end Pick up 8 singles.							
2:15	4:00	1 3/4	Circ. Hole to Run Plug Top of Fish.							

FOOTAGE		DR. D. RMR. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
4:00	7:00	3	Circ. To Run Plug Top of Fish							
7:00	8:00	1	Rig Up Hammerhead & Mix 100% SAND							
8:00	8:30	1 1/4	IN 10 Bites H-2D							
8:30	9:45	1 1/4	D's Place Plug							
9:45	12:00	1 1/4	W.O.C.							

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

No. 4305

DAILY DRILLING REPORT REPORT NO.

LEASE
OPERATOR **A-1 FLETT**
WELL NO. **A-1** API WELL NUMBER
CONTRACTOR **120° 45' E 60° 40' W** DATE **OCT 9 1968**SIGNATURE OF OPERATOR'S REPRESENTATIVE **FMOCO**
Fred Douglas
SIGNATURE OF CONTRACTOR'S TOOL PUSHER **KEEN DRUG. LTD**
Fred DouglasPIPE SIZE **5"** WT. **19.5** GRADE **E** TOOL JOINT TYPE **6 7/8** THREAD **11 1/2** STRING NO. **1** PUMP NO. **2** PUMP MANUFACTURER **EMSCO** TYPE **D 850** STROKE LENGTH **18**
DA 700 **16**WIRE LINE RECORD
SIZE **13/8** NAME **1046** WT. **13.5** NO. OF JOINTS **1** SET AT **114** NOT REEL
FT. CUT OFF **8** PRESENT LENGTH
TON ML. OR TRIPS SINCE LAST CUT
CUMULATIVE TON ML. OR TRIPS

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	SIZE	WEIGHT	
1	RIG UP AND TEAR DOWN				STB RMR	OD	FT. MFG.	REED SEC	VSIG 54TG	94	100
2	DRILL ACTUAL				D.C. ID	OD	FT. TYPE	OPEN OPEN			
3	REAMING				STB RMR	OD	FT. JETS 1/32"				
4	CORING				D.C. ID	OD	FT. SER. NO.	355250 909456			
5	CONDITION MUD & CIRCULATE				STB RMR	OD	FT. DEPTH OUT				
6	TRIPS						DEPTH IN				
7	LUBRICATE RIG						TOTAL FTG.				
8	REPAIR RIG						TOTAL HRS. RUN				
9	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1/8" T/B GAGE				
10	DEVIATION SURVEY				SINGLES DP	FT.	GPM/ PD-PSI				
11	WIRE LINE LOGS				KELLY DOWN	FT.					
12	RUN CASING & CEMENT				TOTAL	FT.					
13	WAIT ON CEMENT				WT. OF STRING	LBS.					
14	NIPPLE UP B.G.P.										
15	TEST B.O.P.										
16	DRILL STEM TEST										
17	PLUG BACK										
18	SQUEEZE CEMENT										
19	FISHING										
20	DIE WORK										
21	WORK DIE COLLAR										
22	WORK DIE COLLAR										
23	WORK DIE COLLAR										

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	SIZE	WEIGHT	
1	RIG UP AND TEAR DOWN				STB RMR	OD	FT. MFG.	REED SEC	VSIG 54TG	94	100
2	DRILL ACTUAL				D.C. ID	OD	FT. TYPE	OPEN OPEN			
3	REAMING				STB RMR	OD	FT. JETS 1/32"				
4	CORING				D.C. ID	OD	FT. SER. NO.	355250 909456			
5	CONDITION MUD & CIRCULATE				STB RMR	OD	FT. DEPTH OUT				
6	TRIPS						DEPTH IN				
7	LUBRICATE RIG						TOTAL FTG.				
8	REPAIR RIG						TOTAL HRS. RUN				
9	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1/8" T/B GAGE				
10	DEVIATION SURVEY				SINGLES DP	FT.	GPM/ PD-PSI				
11	WIRE LINE LOGS				KELLY DOWN	FT.					
12	RUN CASING & CEMENT				TOTAL	FT.					
13	WAIT ON CEMENT				WT. OF STRING	LBS.					
14	NIPPLE UP B.G.P.										
15	TEST B.O.P.										
16	DRILL STEM TEST										
17	PLUG BACK										
18	SQUEEZE CEMENT										
19	FISHING										
20	DIE WORK										
21	WORK DIE COLLAR										
22	WORK DIE COLLAR										
23	WORK DIE COLLAR										

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	SIZE	WEIGHT	
1	RIG UP AND TEAR DOWN				STB RMR	OD	FT. MFG.	REED SEC	VSIG 54TG	94	100
2	DRILL ACTUAL				D.C. ID	OD	FT. TYPE	OPEN OPEN			
3	REAMING				STB RMR	OD	FT. JETS 1/32"				
4	CORING				D.C. ID	OD	FT. SER. NO.	355250 909456			
5	CONDITION MUD & CIRCULATE				STB RMR	OD	FT. DEPTH OUT				
6	TRIPS						DEPTH IN				
7	LUBRICATE RIG						TOTAL FTG.				
8	REPAIR RIG						TOTAL HRS. RUN				
9	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1/8" T/B GAGE				
10	DEVIATION SURVEY				SINGLES DP	FT.	GPM/ PD-PSI				
11	WIRE LINE LOGS				KELLY DOWN	FT.					
12	RUN CASING & CEMENT				TOTAL	FT.					
13	WAIT ON CEMENT				WT. OF STRING	LBS.					
14	NIPPLE UP B.G.P.										
15	TEST B.O.P.										
16	DRILL STEM TEST										
17	PLUG BACK										
18	SQUEEZE CEMENT										
19	FISHING										
20	DIE WORK										
21	WORK DIE COLLAR										
22	WORK DIE COLLAR										
23	WORK DIE COLLAR										

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	SIZE	WEIGHT	
1	RIG UP AND TEAR DOWN				STB RMR	OD	FT. MFG.	REED SEC	VSIG 54TG	94	100
2	DRILL ACTUAL				D.C. ID	OD	FT. TYPE	OPEN OPEN			
3	REAMING				STB RMR	OD	FT. JETS 1/32"				
4	CORING				D.C. ID	OD	FT. SER. NO.	355250 909456			
5	CONDITION MUD & CIRCULATE				STB RMR	OD	FT. DEPTH OUT				
6	TRIPS						DEPTH IN				
7	LUBRICATE RIG						TOTAL FTG.				
8	REPAIR RIG						TOTAL HRS. RUN				
9	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1/8" T/B GAGE				
10	DEVIATION SURVEY				SINGLES DP	FT.	GPM/ PD-PSI				
11	WIRE LINE LOGS				KELLY DOWN	FT.					
12	RUN CASING & CEMENT				TOTAL	FT.					
13	WAIT ON CEMENT				WT. OF STRING	LBS.					
14	NIPPLE UP B.G.P.										
15	TEST B.O.P.										
16	DRILL STEM TEST										
17	PLUG BACK										
18	SQUEEZE CEMENT										
19	FISHING										
20	DIE WORK										
21	WORK DIE COLLAR										
22	WORK DIE COLLAR										
23	WORK DIE COLLAR										

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	SIZE	WEIGHT	
1	RIG UP AND TEAR DOWN				STB RMR	OD	FT. MFG.	REED SEC	VSIG 54TG	94	100
2	DRILL ACTUAL				D.C. ID	OD	FT. TYPE	OPEN OPEN			
3	REAMING				STB RMR	OD	FT. JETS 1/32"				
4	CORING				D.C. ID	OD	FT. SER. NO.	355250 909456			
5	CONDITION MUD & CIRCULATE				STB RMR	OD	FT. DEPTH OUT				
6	TRIPS						DEPTH IN				
7	LUBRICATE RIG						TOTAL FTG.				
8	REPAIR RIG						TOTAL HRS. RUN				
9	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1/8" T/B GAGE				
10	DEVIATION SURVEY				SINGLES DP	FT.	GPM/ PD-PSI				
11	WIRE LINE LOGS				KELLY DOWN	FT.					
12	RUN CASING & CEMENT				TOTAL	FT.					
13	WAIT ON CEMENT				WT. OF STRING	LBS.					
14	NIPPLE UP B.G.P.										
15	TEST B.O.P.										
16	DRILL STEM TEST										
17	PLUG BACK										
18	SQUEEZE CEMENT										
19	FISHING										
20	DIE WORK										
21	WORK DIE COLLAR										
22	WORK DIE COLLAR										
23	WORK DIE COLLAR										

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	SIZE	WEIGHT	
1	RIG UP AND TEAR DOWN				STB RMR	OD	FT. MFG.	REED SEC	VSIG 54TG	94	100
2	DRILL ACTUAL				D.C. ID	OD	FT. TYPE	OPEN OPEN			
3	REAMING				STB RMR	OD	FT. JETS 1/32"				
4	CORING				D.C. ID	OD	FT. SER. NO.	355250 909456			
5	CONDITION MUD & CIRCULATE				STB RMR	OD	FT. DEPTH OUT				
6	TRIPS						DEPTH IN				
7	LUBRICATE RIG						TOTAL FTG.				
8	REPAIR RIG						TOTAL HRS. RUN				
9	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1/8" T/B GAGE				
10	DEVIATION SURVEY				SINGLES DP	FT.	GPM/ PD-PSI				
11	WIRE LINE LOGS				KELLY DOWN	FT.					
12	RUN CASING & CEMENT				TOTAL	FT.					
13	WAIT ON CEMENT				WT. OF STRING	LBS.					
14	NIPPLE UP B.G.P.										
15	TEST B.O.P.										
16	DRILL STEM TEST										
17	PLUG BACK										
18	SQUEEZE CEMENT										
19	FISHING										
20	DIE WORK										
21	WORK DIE COLLAR										
22	WORK DIE COLLAR										
23	WORK DIE COLLAR										

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

No. 4303

DAILY DRILLING REPORT

REPORT NO.

LEASE
A-1 FLETT
OPERATOR
WELL NO. A-1
API WELL NUMBER
120° 45' E 60° 40' W
DATE
OCT 8, 1969
CONTRACTOR
KEEN DRILLING LTD
SIGNATURE OF CONTRACTOR'S TOOL PUSHER
Fred Madykin

SIGNATURE OF OPERATOR'S REPRESENTATIVE
Fred Madykin

D.P. SIZE 5" WT. 19.5 GRADE E TOOL JT. 6 7/8 TYPE 4 1/2 LF STRING NO. 1 PUMP NO. 1 EMSCO D 850 18 DA 700 16

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORN	DAY	EVE	BIT	FT.	BIT NO.	TIME	
1.	RIG UP AND TEAR DOWN				STB RMR OD	FT.	SIZE	WEIGHT	
2.	DRILL ACTUAL				D.C. ID OD	FT.	MFG.	PRESSURE GRADIENT	
3.	REAMING				STB RMR OD	FT.	TYPE	VISC. SEC.	
4.	CORING				D.C. ID OD	FT.	JETS 1 3/2"	PV. YP	
5.	CONDITION MUD & CIRCULATE				STB RMR OD	FT.	SER. NO.	GELS	
6.	TRIPS					FT.	DEPTH OUT	WL. CC'S	
7.	LUBRICATE RIG						DEPTH IN	pH	
8.	REPAIR RIG						TOTAL FTG.	SOLIDS %	
9.	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1 3/2" T.B. GAGE		
10.	DEVIATION SURVEY				SINGLES DP	FT.	GPM. PD-PSI		
11.	WIRE LINE LOGS				KELLY DOWN	FT.			
12.	RUN CASING & CEMENT				TOTAL	FT.			
13.	WAIT ON CEMENT				WT. OF STRING	LBS.			
14.	NIPPLE UP B.O.P.								

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORN	DAY	EVE	BIT	FT.	BIT NO.	TIME	
15.	TEST B.O.P.				STB RMR OD	FT.	SIZE	WEIGHT	
16.	DRILL STEM TEST				D.C. ID OD	FT.	MFG.	PRESSURE GRADIENT	
17.	PLUG BACK				STB RMR OD	FT.	TYPE	VISC. SEC.	
18.	JOUEE CEMENT				D.C. ID OD	FT.	JETS 1 3/2"	PV. YP	
19.	FISHING				STB RMR OD	FT.	SER. NO.	GELS	
20.	DIR. WORK					FT.	DEPTH OUT	WL. CC'S	
21.							DEPTH IN	pH	
22.							TOTAL FTG.	SOLIDS %	
23.					STANDS DP	FT.	COND. 1 3/2" T.B. GAGE		
24.					SINGLES DP	FT.	GPM. PD-PSI		
25.					KELLY DOWN	FT.			
26.					TOTAL	FT.			
27.					WT. OF STRING	LBS.			

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORN	DAY	EVE	BIT	FT.	BIT NO.	TIME	
28.	PERF'T'N				STB RMR OD	FT.	SIZE	WEIGHT	
29.	TBG TRIPS				D.C. ID OD	FT.	MFG.	PRESSURE GRADIENT	
30.	TREATING				STB RMR OD	FT.	TYPE	VISC. SEC.	
31.	SWABBING				D.C. ID OD	FT.	JETS 1 3/2"	PV. YP	
32.	TESTING				STB RMR OD	FT.	SER. NO.	GELS	
33.	ADDIT'N'L					FT.	DEPTH OUT	WL. CC'S	
34.							DEPTH IN	pH	
35.							TOTAL FTG.	SOLIDS %	
36.					STANDS DP	FT.	COND. 1 3/2" T.B. GAGE		
37.					SINGLES DP	FT.	GPM. PD-PSI		
38.					KELLY DOWN	FT.			
39.					TOTAL	FT.			
40.					WT. OF STRING	LBS.			

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORN	DAY	EVE	BIT	FT.	BIT NO.	TIME	
41.	PERF'T'N				STB RMR OD	FT.	SIZE	WEIGHT	
42.	TBG TRIPS				D.C. ID OD	FT.	MFG.	PRESSURE GRADIENT	
43.	TREATING				STB RMR OD	FT.	TYPE	VISC. SEC.	
44.	SWABBING				D.C. ID OD	FT.	JETS 1 3/2"	PV. YP	
45.	TESTING				STB RMR OD	FT.	SER. NO.	GELS	
46.	ADDIT'N'L					FT.	DEPTH OUT	WL. CC'S	
47.							DEPTH IN	pH	
48.							TOTAL FTG.	SOLIDS %	
49.					STANDS DP	FT.	COND. 1 3/2" T.B. GAGE		
50.					SINGLES DP	FT.	GPM. PD-PSI		
51.					KELLY DOWN	FT.			
52.					TOTAL	FT.			
53.					WT. OF STRING	LBS.			

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORN	DAY	EVE	BIT	FT.	BIT NO.	TIME	
54.	PERF'T'N				STB RMR OD	FT.	SIZE	WEIGHT	
55.	TBG TRIPS				D.C. ID OD	FT.	MFG.	PRESSURE GRADIENT	
56.	TREATING				STB RMR OD	FT.	TYPE	VISC. SEC.	
57.	SWABBING				D.C. ID OD	FT.	JETS 1 3/2"	PV. YP	
58.	TESTING				STB RMR OD	FT.	SER. NO.	GELS	
59.	ADDIT'N'L					FT.	DEPTH OUT	WL. CC'S	
60.							DEPTH IN	pH	
61.							TOTAL FTG.	SOLIDS %	
62.					STANDS DP	FT.	COND. 1 3/2" T.B. GAGE		
63.					SINGLES DP	FT.	GPM. PD-PSI		
64.					KELLY DOWN	FT.			
65.					TOTAL	FT.			
66.					WT. OF STRING	LBS.			

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORN	DAY	EVE	BIT	FT.	BIT NO.	TIME	
67.	PERF'T'N				STB RMR OD	FT.	SIZE	WEIGHT	
68.	TBG TRIPS				D.C. ID OD	FT.	MFG.	PRESSURE GRADIENT	
69.	TREATING				STB RMR OD	FT.	TYPE	VISC. SEC.	
70.	SWABBING				D.C. ID OD	FT.	JETS 1 3/2"	PV. YP	
71.	TESTING				STB RMR OD	FT.	SER. NO.	GELS	
72.	ADDIT'N'L					FT.	DEPTH OUT	WL. CC'S	
73.							DEPTH IN	pH	
74.							TOTAL FTG.	SOLIDS %	
75.					STANDS DP	FT.	COND. 1 3/2" T.B. GAGE		
76.					SINGLES DP	FT.	GPM. PD-PSI		
77.					KELLY DOWN	FT.			
78.					TOTAL	FT.			
79.					WT. OF STRING	LBS.			

FIELD OR DIST. 13 3/8
MAKE 1046
NO. OF LINES 8
PRESENT LENGTH 1046
TONG. OR TRIPS SINCE LAST CUMULATIVE 1046

FOOTAGE		DR. D. RMR. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
4725										

FOOTAGE		DR. D. RMR. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
4725										

FOOTAGE		DR. D. RMR. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
4725										

FOOTAGE		DR. D. RMR. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
4725										

FOOTAGE		DR. D. RMR. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
4725										

FOOTAGE		DR. D. RMR. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
4725										

FOOTAGE		DR. D. RMR. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
4725										

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

No. 4300

DAILY DRILLING REPORT

REPORT NO.

LEASE
A-1 FLETT
WELL NO. A-1
API WELL NUMBER 120°45'W 60°40'E
DATE OCT 7 1965
CONTRACTOR KEEN DRILL LTD
RIG NO. 2SIGNATURE OF OPERATOR'S REPRESENTATIVE
Fred LondonSIGNATURE OF CONTRACTOR'S TOOL PUSHER
Fred LondonD.P. SIZE 19.5 WT. FT. E GRADE 6 3/8 4 1/2 F STRING NO. 1 PUMP NO. 1 PUMP MANUFACTURER EMSCO TYPE D 8.50 18
5' 2 EMSCO DA 700 16

TIME DISTRIBUTION - HOURS					NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	
1	RIG UP AND TEAR DOWN				STB RMR OD	FT.	MFG.	SEC				
2	DRILL ACTUAL				D.C. ID OD	FT.	TYPE	54TG				
3	REAMING				STB RMR OD	FT.	JETS 1.32"	OPEN				
4	CORING				D.C. ID OD	FT.	SER. NO.	909456				
5	CONDITION MUD	4 1/2			STB RMR OD	FT.	DEPTH OUT					
6	TRIPS	3 3 1/2					DEPTH IN					
7	LUBRICATE RIG						TOTAL FTG.					
8	REPAIR RIG						TOTAL HRS. RUN					
9	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1.8" T.B. GAGE					
10	DEVIATION SURVEY				SINGLES DP	FT.	GPM PD-PSI					
11	WIRE LINE LOGS				KELLY DOWN	FT.						
12	RUN CASING & CEMENT				TOTAL	FT.						
13	WAIT ON CEMENT				WT. OF STRING	LBS.						
14	NIPPLE UP B.O.P.											
15	TEST B.O.P.											
16	DRILL STEM TEST											
17	PLUG BACK											
18	SQUEEZE CEMENT											
19	FISHING											
20	DIR. WORK											
21	Fishing Tools	1										
22	Hand Tools	- 3										
23												

TIME DISTRIBUTION - HOURS					NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	
1	RIG UP AND TEAR DOWN				STB RMR OD	FT.	MFG.	SEC				
2	DRILL ACTUAL				D.C. ID OD	FT.	TYPE	54TG				
3	REAMING				STB RMR OD	FT.	JETS 1.32"	OPEN				
4	CORING				D.C. ID OD	FT.	SER. NO.	909456				
5	CONDITION MUD				STB RMR OD	FT.	DEPTH OUT					
6	TRIPS						DEPTH IN					
7	LUBRICATE RIG						TOTAL FTG.					
8	REPAIR RIG						TOTAL HRS. RUN					
9	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1.8" T.B. GAGE					
10	DEVIATION SURVEY				SINGLES DP	FT.	GPM PD-PSI					
11	WIRE LINE LOGS				KELLY DOWN	FT.						
12	RUN CASING & CEMENT				TOTAL	FT.						
13	WAIT ON CEMENT				WT. OF STRING	LBS.						
14	NIPPLE UP B.O.P.											
15	TEST B.O.P.											
16	DRILL STEM TEST											
17	PLUG BACK											
18	SQUEEZE CEMENT											
19	FISHING											
20	DIR. WORK											
21	Fishing Tools	1										
22	Hand Tools	- 3										
23												

TIME DISTRIBUTION - HOURS					NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	
1	RIG UP AND TEAR DOWN				STB RMR OD	FT.	MFG.	SEC				
2	DRILL ACTUAL				D.C. ID OD	FT.	TYPE	54TG				
3	REAMING				STB RMR OD	FT.	JETS 1.32"	OPEN				
4	CORING				D.C. ID OD	FT.	SER. NO.	909456				
5	CONDITION MUD				STB RMR OD	FT.	DEPTH OUT					
6	TRIPS						DEPTH IN					
7	LUBRICATE RIG						TOTAL FTG.					
8	REPAIR RIG						TOTAL HRS. RUN					
9	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1.8" T.B. GAGE					
10	DEVIATION SURVEY				SINGLES DP	FT.	GPM PD-PSI					
11	WIRE LINE LOGS				KELLY DOWN	FT.						
12	RUN CASING & CEMENT				TOTAL	FT.						
13	WAIT ON CEMENT				WT. OF STRING	LBS.						
14	NIPPLE UP B.O.P.											
15	TEST B.O.P.											
16	DRILL STEM TEST											
17	PLUG BACK											
18	SQUEEZE CEMENT											
19	FISHING											
20	DIR. WORK											
21	Fishing Tools	1										
22	Hand Tools	- 3										
23												

TIME DISTRIBUTION - HOURS					NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	
1	RIG UP AND TEAR DOWN				STB RMR OD	FT.	MFG.	SEC				
2	DRILL ACTUAL				D.C. ID OD	FT.	TYPE	54TG				
3	REAMING				STB RMR OD	FT.	JETS 1.32"	OPEN				
4	CORING				D.C. ID OD	FT.	SER. NO.	909456				
5	CONDITION MUD				STB RMR OD	FT.	DEPTH OUT					
6	TRIPS						DEPTH IN					
7	LUBRICATE RIG						TOTAL FTG.					
8	REPAIR RIG						TOTAL HRS. RUN					
9	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1.8" T.B. GAGE					
10	DEVIATION SURVEY				SINGLES DP	FT.	GPM PD-PSI					
11	WIRE LINE LOGS				KELLY DOWN	FT.						
12	RUN CASING & CEMENT				TOTAL	FT.						
13	WAIT ON CEMENT				WT. OF STRING	LBS.						
14	NIPPLE UP B.O.P.											
15	TEST B.O.P.											
16	DRILL STEM TEST											
17	PLUG BACK											
18	SQUEEZE CEMENT											
19	FISHING											
20	DIR. WORK											
21	Fishing Tools	1										
22	Hand Tools	- 3										
23												

TIME DISTRIBUTION - HOURS					NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	
1	RIG UP AND TEAR DOWN				STB RMR OD	FT.	MFG.	SEC				
2	DRILL ACTUAL				D.C. ID OD	FT.	TYPE	54TG				
3	REAMING				STB RMR OD	FT.	JETS 1.32"	OPEN				
4	CORING				D.C. ID OD	FT.	SER. NO.	909456				
5	CONDITION MUD				STB RMR OD	FT.	DEPTH OUT					
6	TRIPS						DEPTH IN					
7	LUBRICATE RIG						TOTAL FTG.					
8	REPAIR RIG						TOTAL HRS. RUN					
9	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1.8" T.B. GAGE					
10	DEVIATION SURVEY				SINGLES DP	FT.	GPM PD-PSI					
11	WIRE LINE LOGS				KELLY DOWN	FT.						
12	RUN CASING & CEMENT				TOTAL	FT.						
13	WAIT ON CEMENT				WT. OF STRING	LBS.						
14	NIPPLE UP B.O.P.											
15	TEST B.O.P.											
16	DRILL STEM TEST											
17	PLUG BACK											
18	SQUEEZE CEMENT											
19	FISHING											
20	DIR. WORK											
21	Fishing Tools	1										
22	Hand Tools	- 3										
23												

TIME DISTRIBUTION - HOURS					NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	
1	RIG UP AND TEAR DOWN				STB RMR OD	FT.	MFG.	SEC				
2	DRILL ACTUAL				D.C. ID OD	FT.	TYPE	54TG				
3	REAMING				STB RMR OD	FT.	JETS 1.32"	OPEN				
4	CORING				D.C. ID OD	FT.	SER. NO.	909456				
5	CONDITION MUD				STB RMR OD	FT.	DEPTH OUT					
6	TRIPS						DEPTH IN					
7	LUBRICATE RIG						TOTAL FTG.					
8	REPAIR RIG						TOTAL HRS. RUN					
9	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1.8" T.B. GAGE					
10	DEVIATION SURVEY				SINGLES DP	FT.	GPM PD-PSI					
11	WIRE LINE LOGS				KELLY DOWN	FT.						
12	RUN CASING & CEMENT				TOTAL	FT.						
13	WAIT ON CEMENT				WT. OF STRING	LBS.						
14	NIPPLE UP B.O.P.											
15	TEST B.O.P.											
16	DRILL STEM TEST											
17	PLUG BACK											
18	SQUEEZE CEMENT											
19	FISHING											
20	DIR. WORK											
21	Fishing Tools	1										
22	Hand Tools	- 3										
23												

FOOTAGE		DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000 LBS.	PUMP PRESS	PUMP NO.	PUMP NO.	PUMP NO.	METHOD RUN	
FROM	TO								LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SCHEMATIC DRAWING
				</									

No. 4298

DAILY DRILLING REPORT

REPORT NO.

LEASE
H-1 A-1
WELL NO. A-1
API WELL NUMBER 120454 60416
CONTRACTOR
DATE 2/16/17
RIG NO. 2

OPERATOR

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE WT. FT. GRADE TOOL JT. C.D. TYPE THREAD STRING NO. PUMP NO. PUMP MANUFACTURER TYPE STROKE LENGTH
E 1900 F 6 1/4 H 1/2 1 1 Emeco 2700 18FIELD OR DIST. COUNTY STATE
1336 1006 1046
WIRE LINE RECORD
SIZE 1 1/4 NO. LINES 8
FT. CUT OFF
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS

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

MORNING TOUR

DAY TOUR

EVENING TOUR

FOOTAGE		DR. D. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN		
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SCHEMATIC
DEVIATION RECORD												
TIME LOG												
FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
12:15	2:15	2 1/4		Circ. Cond. Hole.								
2:15	4:15	2		Hoist.								
4:15	5:15	1		Pick up whip stock.								
5:15				W.O. ORDERS								
DEVIATION RECORD												
TIME LOG												
FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
8:00	4:00	8		WAIT ON CHANGE OVER SUB.								
DEVIATION RECORD												
TIME LOG												
FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
4:00	6:30	2 1/2		Wait ON C/O Sub.								
6:30	7:00	1/2		Make up whip stock								
7:00	8:45	1 3/4		Running IN								
8:45	10:00	1 1/4		Hole tight 19 stds off Bttn.								
10:00	12:00	2		Work - whip stock								
				Trip Out w/ chain								
Boiler 8 HRS.												

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

No. 4296

DAILY DRILLING REPORT

REPORT NO.

LEASE FLET A-1	WELL NO. A-1	API WELL NUMBER 120° 45' 60° 40' E	DATE Oct 5/69
OPERATOR Amoco	CONTRACTOR KEEN	RIG NO. 2	
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>Fred Boudar</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>Fred Boudar</i>	
D.F. SIZE 5	WT. FT. 19.50	GRADE E	TOOL JO. Q.D. TYPE THREAD 6 3/4 H 1/2 IF
STRING NO. 1	PUMP NO. 1	PUMP MANUFACTURER Emasco	TYPE D750
			18
			D700
			16

FIELD OR DIST. 137A	COUNTY 1046	STATE 1046	WIRE LINE RECORD 1/4	FEET CLIPPED 8	PRESENT LENGTH 1046
TON. NO. OF TRIPS SINCE LAST CUT					
CUMULATIVE TON. NO. OF TRIPS					

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

FOOTAGE		DR. D. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
DEVIATION RECORD										
TIME LOG										
FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
17:00	17:45	13/4	TR	SCREW INTO FISH.						
17:45	3:45	2		HOIST						
3:45	5:00	1 1/4		Unplug SCREW IN SUB. REMOVE Pumpout SUB. REPLACE W/ X OVR. REPAIR THREADS ON SCREW IN SUB.						
5:00	6:45	1 3/4		Run IN.						
6:45				Circ. 90° to FISH (BRIDGES) Circ. ABOVE FISH.						
FOOTAGE										
FROM	TO	DR. D. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
DEVIATION RECORD										
TIME LOG										
FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
8:00	9:30	1 1/2		SCREW INTO FISH						
9:30	1:45	4 1/4		JAR. FISH & BACK OFF FISH						
1:45	2:00	1/4		BREAK CIRC.						
2:00	4:00	2		HOIST						
FOOTAGE										
FROM	TO	DR. D. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
DEVIATION RECORD										
TIME LOG										
FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
4:00	5:15	1 1/4		Break & log down Jars, Bumper sub & subs						
5:15	7:00	1 3/4		log down wash pipe, move Bear Tool						
7:00	8:00	1		Cut & slip 50' drill line (equipment off floor)						
8:00	10:00	2		Run IN						
10:00	10:00			Clean 20' to 25th						
10:15	10:15	1 3/4		One hole clean						

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

No. 4295

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE						
FIET A-1	A-1	120°45'W 60°40'E	04/4/69						
OPERATOR	CONTRACTOR	RIG NO.							
Amoco	KEEN.	2							
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER							
<i>Paul Borden</i>		<i>Fred Wadley</i>							
D.P. SIZE	WT. FT.	GRADE	TOOL JT. C.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	10.50	F	6 3/4	4 1/2 IF	1	1	Emsco	D 950	18
						2		D 700	16

FIELD OR SHT	COUNTY	STATE	WIRE LINE RECORD
		NW 1	
SIZE	MAKE	WT. & CM	JOINTS
13 3/8			
LAST CASING TUBING OR LINER	104.6	104.6	
TON. M. OR TRIPS SINCE LAST CUT			
CUMULATIVE TON. M. OR TRIPS			

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD		
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME		
1.	RIG UP AND TEAR DOWN									
2.	DRILL ACTUAL				STB RMR	OD	FT. MFG.	WEIGHT		
3.	REAMING				D.C. ID	OD	FT. TYPE	PRESSURE GRADIENT		
4.	CORING				STB RMR	OD	FT. JETS 1-32"	VISC.-SEC.		
5.	CONDITION MUD & CIRCULATE				D.C. ID	OD	FT. SER. NO.	PV. YP		
6.	TRIPS				STB RMR	OD	FT. DEPTH OUT	GELS.		
7.	LUBRICATE RIG						DEPTH IN	WL.-CC'S.		
8.	REPAIR RIG						TOTAL FTG.	pH		
9.	CUT OFF DRILLING LINE						TOTAL HRS. RUN	SOLIDS %		
10.	DEVIATION SURVEY				STANDS DP	FT.	COND. 1-8" T.B. GAGE	MUD & CHEMICALS ADDED		
11.	WIRE LINE LOGS				SINGLES DP	FT.	GPM PD-PSI	TYPE	AMT.	
12.	RUN CASING & CEMENT				KELLY DOWN	FT.		TYPE	AMT.	
13.	WAIT ON CEMENT				TOTAL	FT.				
14.	NIPPLE UP B.O.P.				WT. OF STRING	LBS.				
15.	TEST B.O.P.				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
16.	DRILL STEM TEST				BIT	FT.	BIT NO.	TIME		
17.	PLUG BACK						SIZE	WEIGHT		
18.	SQUEEZE CEMENT				STB RMR	OD	FT. MFG.	PRESSURE GRADIENT		
19.	FISHING	4	8		D.C. ID	OD	FT. TYPE	VISC.-SEC.		
20.	DIR. WORK				STB RMR	OD	FT. JETS 1-32"	PV. YP		
21.					D.C. ID	OD	FT. SER. NO.	GELS.		
22.					STB RMR	OD	FT. DEPTH OUT	WL.-CC'S.		
23.							DEPTH IN	pH		
COMPLETION				A. PERF'RT'N			TOTAL FTG.	SOLIDS %		
				B. TBG TRIPS			TOTAL HRS. RUN			
				C. TREATING			COND. 1-8" T.B. GAGE	MUD & CHEMICALS ADDED		
				D. SWABBING			TYPE	AMT.	TYPE	AMT.
				E. TESTING			STANDS DP	FT.	GPM PD-PSI	
F. ADDIT'L				SINGLES DP	FT.		GEL 3500			
G.				KELLY DOWN	FT.		BENEX 14			
				TOTAL	FT.		Quick Seal 355 AX			
				WT. OF STRING	LBS.		SANDUST 355 AX			
TOTALS				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD		
DAY WORK TIME SUMMARY (OFFICE USE ONLY)				BIT	FT.	BIT NO.	TIME			
						SIZE	WEIGHT			
				STB RMR	OD	FT. MFG.	PRESSURE GRADIENT			
				D.C. ID	OD	FT. TYPE	VISC.-SEC.			
				STB RMR	OD	FT. JETS 1-32"	PV. YP			
HRS. W/ CONTR. D.P.				D.C. ID	OD	FT. SER. NO.	GELS.			
HRS. W/ OPR. D.P.				STB RMR	OD	FT. DEPTH OUT	WL.-CC'S.			
HRS. W/ D.P.						DEPTH IN	pH			
HRS. STANDBY						TOTAL FTG.	SOLIDS %			
						TOTAL HRS. RUN				
				STANDS DP	FT.	COND. 1-8" T.B. GAGE	MUD & CHEMICALS ADDED			
				SINGLES DP	FT.	GPM PD-PSI	TYPE	AMT.		
				KELLY DOWN	FT.		GEL 8000			
				TOTAL	FT.		General 3000 Water			
				WT. OF STRING	LBS.		Super 2 sks			
							Quick Seal 2 sks			

MORNING TOUR

DAY TOUR

EVENING TOUR

FOOTAGE		DR. D. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000+	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN	
FROM	TO							LINEAR SIZE	S.P.M.	LINEAR SIZE	S.P.M.
DEVIATION RECORD											
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO										
12 00	1 00			SHOOT OFF ABOVE SQ. D.C. MIX MUD							
1 00	3 00			MIX MUD LOSS CIRC MAT							
3 00	3 30			Pump Down Reg. Ring (To Stop/Vaccum)							
3 30	4			Hoist Chain Out							
5011-2 1 HRS											
DRILLER <i>R. Wadley</i>											
FOOTAGE		DR. D. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000+	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN	
FROM	TO							LINEAR SIZE	S.P.M.	LINEAR SIZE	S.P.M.
DEVIATION RECORD											
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO										
8 00	11 00	3		FINISH OUT - UNPLUG & LAYDOWN 9" D.C.							
11 00	1 15	2 1/4		SHOCK SUB & STABILIZER							
1 15	3 15	2		MIX MUD							
3 15	3 30	1/4		RUN IN W/ BIT							
3 30	4 00	1/2		CLEAN 8' OF FILL							
				CIRC. ON TOP OF FISH							
DRILLER											
FOOTAGE		DR. D. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000+	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN	
FROM	TO							LINEAR SIZE	S.P.M.	LINEAR SIZE	S.P.M.
DEVIATION RECORD											
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO										
4 00	5 45	1 3/4		Circ. ON Fish							
5 45	7 45	2		Fish Out							
7 45	8 45	1		AS Service bumper sub							
8 45	9 45	1		Made 1/2 in. 2 in. bumper sub & screw in							
9 45	11 30	1 3/4		Run 7 in.							
11 30	12 00	1/2		Circ. ON Fish							
DRILLER <i>Boiler 8 Hrs</i>											



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

No. 4294

DAILY DRILLING REPORT

REPORT NO.

LEASE: *LAKE A-1* WELL NO.: *A-1* API WELL NUMBER: *120° 45' W 60° 40' E* DATE: *04/2/69*
 OPERATOR: *APSCO* CONTRACTOR: *KERN* RIG NO.: *2*

SIGNATURE OF OPERATOR'S REPRESENTATIVE: *Fred Borden*
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *Fred Borden*

D.P. SIZE: *5* WT. FT.: *19.50* GRADE: *E* TOOL JOINT: *6 3/4* TYPE THREAD: *4 1/2* PIPE NO.: *1* PUMP NO.: *2* PUMP MANUFACTURER: *Emsco* TYPE: *D750* STROKE LENGTH: *18*
D700 *16*

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

FOOTAGE		DR. D. RMR. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 100'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
DEVIATION RECORD										
TIME LOG		ELAPSED TIME	CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO									
12:00	8:00	8	W.O. FISHING TOOLS.							
Bailer 8 Hrs.										
4725										
DEVIATION RECORD										
TIME LOG		ELAPSED TIME	CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO									
8:00	4:00	8	W/O FISHING TOOLS.							
Bailer 8 Hrs.										
DEVIATION RECORD										
TIME LOG		ELAPSED TIME	CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO									
4:00	5:15	1 1/4	Rig Over Shot Fish out Sinkers							
5:15	8:15	3	Run in w/ sinker down to bump then hole shot							
8:15			Run a Red Dummy Run w/ bars							
	8:45	1/2	Loss up Broke Circ.							
8:45			Rig + Red Dummy Run w/ Bars - Fish moved							
	12:00	3 1/4	bump Fish to bottom.							
Bailer 8 Hrs.										

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

DAILY DRILLING REPORT REPORT NO

A MOCO
SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

DE. SIZE	WT. FT.	GRADE	TOOL JT. Q.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	F	6 1/2	1/2 IF	1	1	FMSCO	D 750	18
						2		D 700	16

FIELD OR DIST		COUNTY	STATE		WIRE LINE RECORD		FEET WT.			
SIZE	NAME	WT. & GR.	NO. JOINTS	FEET	DATE TO CSE. LOG	SET AT	SIZE	NO.	FEET	WT.
LAST CUTTING OR LINER	12 3/4			1046		1046	1 1/4	8		
						CUMULATIVE TON MI. OR TRIPS				

TIME DISTRIBUTION - HOURS				NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD								
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC-SEC	PV/YP	GELS	WL-CC'S	pH	SOLIDS %
1.	RIG UP AND TEAR DOWN																
2.	DRILL ACTUAL				STB RMR OD	FT.	MFG.										
3.	REAMING				9 D.C. ID OD	277.90	FT.	TYPE									
4.	CORING				STB RMR OD	FT.	JETS 1 3/4"										
5.	CONDITION MUD & CIRCULATE				D.C. ID OD	FT.	SER. NO.										
6.	TRIPS				STB RMR OD	FT.	DEPTH OUT										
7.	LUBRICATE RIG				FISH 114.15		DEPTH IN										
8.	REPAIR RIG				70015		TOTAL FTG.										
9.	CUT OFF DRILLING LINE				46 STANDS DP	4214.19	FT.	COND. 1 3/4" T.B. GAGE									
10.	DEVIATION SURVEY				1 SINGLES DP	30.50	FT.	GPM/ PD-PSI									
11.	WIRE LINE LOGS				KELLY DOWN 15		FT.										
12.	RUN CASING CEMENT				TOTAL 46.52		FT.										
13.	WAIT ON CEMENT				WT. OF STRING		LBS.										
14.	NIPPLE UP B.O.P.																
15.	TEST B.O.P.																
16.	DRILL STEM TEST																
17.	PLUG BACK				FISHING STRING												
18.	SQUEEZE CEMENT				STB RMR OD	FT.	MFG.										
19.	FISHING	8	8		9 D.C. ID OD	6 3/4 277.90	FT.	TYPE									
20.	DIR. WORK				STB RMR OD	FT.	JET 1 3/4"										
21.					D.C. ID OD	FT.	SER. NO.										
22.					STB RMR OD	FT.	DEPTH OUT										
23.					TOOLS 114.90		DEPTH IN										
COMPLETION	A. PERFORATION						TOTAL FTG.										
	B. TBG TRIPS						TOTAL HRS. RUN										
	C. TREATING				47 STANDS DP	4275.39	FT.	COND. 1 3/4" T.B. GAGE									
	D. SWABBING				SINGLES DP		FT.	GPM/ PD-PSI									
	E. TESTING				KELLY DOWN 22		FT.										
	F. ADDIT'L				TOTAL 4689.00		FT.										
G.				WT. OF STRING 1400.00		LBS.											
TOTALS				8	8												
DAY WORK TIME SUMMARY (OFFICE USE ONLY)																	
HRS. W/ CONTR. D.P.					STB RMR OD	OD	FT.	MFG.									
HRS. W/ OPR. D.P.					D.C. ID OD	648.60	FT.	TYPE									
HRS. WD'D.P.					STB RMR OD	OD	FT.	JETS 1 3/4"									
HRS. STANDBY					D.C. ID OD	OD	FT.	SER. NO.									
					STB RMR OD	OD	FT.	DEPTH OUT									
							DEPTH IN										
							TOTAL FTG.										
							TOTAL HRS. RUN										
TOTAL DAY WORK				43	STANDS DP		FT.	COND. 1 3/4" T.B. GAGE									
				2	SINGLES DP		FT.	GPM/ PD-PSI									
					KELLY DOWN		FT.										
					TOTAL		FT.										
TOTAL MUD COST					WT. OF STRING		LBS.										

[illegible]

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No. 4291

DAILY DRILLING REPORT

REPORT NO.

LEASE FLETT A1 WELL NO. A-7 API WELL NUMBER 120° 45' W 60° 40' E DATE Aug 30
 OPERATOR Amoco CONTRACTOR KERN

SIGNATURE OF OPERATOR'S REPRESENTATIVE Fred Bondar SIGNATURE OF CONTRACTOR'S TOOL PUSHER Fred Hodgkin

D.B. SIZE 5 WT. ST. 19.50 GRADE E TOOL JT Q.D. TYPE THREAD 1 1/2" F STRING NO. 1 PUMP NO. 2 PUMP MANUFACTURER Emco TYPE D950 STROKE LENGTH 18 D700 16

FIELD OF DIST. VINEAT COUNTY FLETT STATE N.W.T. WIRE LINE RECORD REEL NO. 8
 SIZE 13 3/4 MAKE WT. OF SET AT 104.6 REEL TO SET AT 104.6
 LAST CASING TUBING OR LINER 13 3/4
 TON. OF TRIPS SINCE LAST CUT
 CUMULATIVE TON. OF TRIPS

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

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

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

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

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

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

No. 4290

DAILY DRILLING REPORT

REPORT NO.

LEASE FLETT A-1 WELL NO. A-1 API WELL NUMBER 120° 48' 60° 40' DATE Sep 29/69
 OPERATOR Amoco CONTRACTOR KREN

SIGNATURE OF OPERATOR'S REPRESENTATIVE Fred J. Bender SIGNATURE OF CONTRACTOR'S TOOL PUSHER Fred J. Bender

D.E. SIZE 5 I. FT. 1950 GRADE E T.O.D. 6' 3/4 TYPE H/W F STRING NO. 1 PUMP NO. 1 PUMP MANUFACTURER Emeco TYPE D750 STROKE LENGTH 18
 2 2700 16

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	
1.	RIG UP AND TEAR DOWN				STB RMR	OD 7.40	FT. MFG. HW	12 1/4			
2.	DRILL ACTUAL				D.C. ID	OD 347.12	FT. TYPE X55R	14 1/4 14			
3.	REAMING				STB RMR	OD	FT. JETS 1.32"	MA 624			
4.	CORING				D.C. ID	OD	FT. SER. NO.				
5.	CONDITION MUD & CIRCULATE				STB RMR	OD	FT. DEPTH OUT				
6.	TRIPS				SHOCK	9.10	DEPTH IN	4459			
7.	LUBRICATE RIG				SUBS	3.21	TOTAL FTG.	266			
8.	REPAIR RIG						TOTAL HRS. RUN	37 1/4			
9.	CUT OFF DRILLING LINE				STANDS DP	4310.80	FT. COND. 1.8" T.B. GAGE				
10.	DEVIATION SURVEY				SINGLES DP	61.44	FT. GPM/ PD-PSI				
11.	WIRE LINE LOGS				KELLY DOWN	27	FT.				
12.	RUN CASING & CEMENT				TOTAL	4725	FT.				
13.	WAIT ON CEMENT				WT. OF STRING		LBS.				

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	
13.	TEST B.O.P.				STB RMR	OD 7.40	FT. MFG. HW	12 1/4			
14.	DRILL STEM TEST				D.C. ID	OD 347.12	FT. TYPE X55R	14 1/4 14			
15.	PLUG BACK				STB RMR	OD	FT. JETS 1.32"	MA 624			
16.	SQUEEZE CEMENT				D.C. ID	OD	FT. SER. NO.				
17.	FISHING	8		8	STB RMR	OD	FT. DEPTH OUT				
18.	DIR. WORK				SHOCK	9.10	DEPTH IN	4459			
19.					SUBS	3.21	TOTAL FTG.	266			
20.							TOTAL HRS. RUN	37 1/4			
21.					STANDS DP	4310.80	FT. COND. 1.8" T.B. GAGE				
22.					SINGLES DP	61.44	FT. GPM/ PD-PSI				
23.					KELLY DOWN	27	FT.				
					TOTAL	4725	FT.				
					WT. OF STRING		LBS.				

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	
24.	PERF'T'N				STB RMR	OD 7.40	FT. MFG. HW	12 1/4			
25.	TBC TRIPS				D.C. ID	OD 347.12	FT. TYPE X55R	14 1/4 14			
26.	TREATING				STB RMR	OD	FT. JETS 1.32"	MA 624			
27.	SWABBING				D.C. ID	OD	FT. SER. NO.				
28.	TESTING				STB RMR	OD	FT. DEPTH OUT				
29.	ADDIT'L				SHOCK	9.10	DEPTH IN	4459			
30.					SUBS	3.21	TOTAL FTG.	266			
31.							TOTAL HRS. RUN	37 1/4			
32.					STANDS DP	4310.80	FT. COND. 1.8" T.B. GAGE				
33.					SINGLES DP	61.44	FT. GPM/ PD-PSI				
34.					KELLY DOWN	27	FT.				
35.					TOTAL	4725	FT.				
36.					WT. OF STRING		LBS.				

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	
37.	DAY WORK TIME SUMMARY (OFFICE USE ONLY)				STB RMR	OD 7.40	FT. MFG. HW	12 1/4			
38.	HRS. CONTR. D.P.				D.C. ID	OD 347.12	FT. TYPE X55R	14 1/4 14			
39.	HRS. OPR. D.P.				STB RMR	OD	FT. JETS 1.32"	MA 624			
40.	HRS. NO. D.P.				D.C. ID	OD	FT. SER. NO.				
41.	HRS. STANDBY				STB RMR	OD	FT. DEPTH OUT				
42.					SHOCK	9.10	DEPTH IN	4459			
43.					SUBS	3.21	TOTAL FTG.	266			
44.							TOTAL HRS. RUN	37 1/4			
45.					STANDS DP	4310.80	FT. COND. 1.8" T.B. GAGE				
46.					SINGLES DP	61.44	FT. GPM/ PD-PSI				
47.					KELLY DOWN	27	FT.				
48.					TOTAL	4725	FT.				
49.					WT. OF STRING		LBS.				

FIELD OR DIST. NWT COUNTY NWT WIRE LINE RECORD REEL NO. 114 NO. LINES 8
 LAST CASING TUBING OR LINER 133K 1046 1046
 TON MI. OR TRIPS SINCE LAST CUT
 CUMULATIVE TON MI. OR TRIPS

FOOTAGE		DR. D RM-R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO																		
4725																			
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
1200		900				W.O. FISHING TOOLS & MIXING MUD													

FOOTAGE		DR. D RM-R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO																		
4725																			
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
800		900		1		WAIT ON FISHING TOOLS													
900		930		1/2		PUMP MUD DOWN HOLE													
930		1130		2		RIG TO RUN DIESEL GEL PLUG #3													
1130		1230		1		RUN PLUG #3													
1230						MIX MUD & WAIT ON PLUG TO SET													
						Run Diesel Gel plug #3 156 lbs													
						Gel + 55 lb diesel fuel													
						Plug down @ 1230 A.M.													

FOOTAGE		DR. D RM-R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO																		
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
4:30		4:30		1/2		Wait ON Plug													
4:30		5:00		1/2		Pump down Test Circ. Mat. (No Returns)													
5:00		5:15		1/4		Remove Goose Neck													
5:15		8:00		2 3/4		Make up & Run Back off shot													
8:00		10:20		2 1/2		Strip out w/ chain													
10:30		11:00		1/2		Install Goose Neck													
11:00		12:00		1		Build volume Mix Mud													



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

No. 4289

DAILY DRILLING REPORT

REPORT NO.

LEASE GLET A-1	WELL NO. A-1	API WELL NUMBER 120° 45' W 60° 40' E	DATE 8-28
OPERATOR A.M.O.C.O.	CONTRACTOR KERN		RIG NO. 2
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>Fred J. Bondar</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>Fred J. Bondar</i>	
D.P. SIZE 5	T. FT. 19.50	GRADE F	TOOL JT. C.D. TYPE THREAD 6 3/4 1 1/2 F 1
PUMP NO. 1		PUMP MANUFACTURER EMSCO	TYPE D8C0
STROKE LENGTH 15		D700 16	

FIELD OR DIST.	COUNTY	STATE	WIRE LINE RECORD	REF. NO.
		N.W.T.	SIZE 1 1/4	NO. LINES 4
LAST CASING TUBING OR LINER	SIZE 12 3/8	MAKE	WT. & GRADE 104.6	DET. AT 104.6
TOE WL OR TRIPS SINCE LAST CUT		CUMULATIVE TON MI. ON TRIPS		

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
1	RIG UP AND TEAR DOWN								
2	DRILL ACTUAL				1	7.40	15	17 1/4	WEIGHT
3	REAMING				12	347.12	155R	14 14 14	PRESSURE GRADIENT
4	CORING				STB RMR	OD	FT.	JETS 1.32"	VISC.-SEC.
5	CONDITION MUD & CIRCULATE				D.C. ID	OD	FT.	SER. NO.	PV YP
6	TRIPS				STB RMR	OD	FT.	DEPTH OUT	GELS
7	LUBRICATE RIG				STB RMR	OD	FT.	DEPTH IN	ML -CC'S
8	REPAIR RIG				STB RMR	OD	FT.	TOTAL FTG.	PH
9	CUT OFF DRILLING LINE				STB RMR	OD	FT.	TOTAL HRS. RUN	SOLIDS %
10	DEVIATION SURVEY				STB RMR	OD	FT.		
11	WIRE LINE LOGS				STB RMR	OD	FT.		
12	RUN CASING & CEMENT				STB RMR	OD	FT.		
13	WAIT ON CEMENT				STB RMR	OD	FT.		
14	NIPPLE UP B.O.P.				STB RMR	OD	FT.		
15	TEST B.O.P.				STB RMR	OD	FT.		
16	DRILL STEM TEST				STB RMR	OD	FT.		
17	PLUG BACK				STB RMR	OD	FT.		
18	SQUEEZE CEMENT				STB RMR	OD	FT.		
19	FISHING				STB RMR	OD	FT.		
20	DIR. WORK				STB RMR	OD	FT.		
21	LOSS CIRC				STB RMR	OD	FT.		
22					STB RMR	OD	FT.		
23					STB RMR	OD	FT.		

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
1	RIG UP AND TEAR DOWN								
2	DRILL ACTUAL				1	7.40	15	17 1/4	WEIGHT
3	REAMING				12	347.12	155R	14 14 14	PRESSURE GRADIENT
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5	CONDITION MUD & CIRCULATE				D.C. ID	OD	FT.	SER. NO.	PV YP
6	TRIPS				STB RMR	OD	FT.	DEPTH OUT	GELS
7	LUBRICATE RIG				STB RMR	OD	FT.	DEPTH IN	ML -CC'S
8	REPAIR RIG				STB RMR	OD	FT.	TOTAL FTG.	PH
9	CUT OFF DRILLING LINE				STB RMR	OD	FT.	TOTAL HRS. RUN	SOLIDS %
10	DEVIATION SURVEY				STB RMR	OD	FT.		
11	WIRE LINE LOGS				STB RMR	OD	FT.		
12	RUN CASING & CEMENT				STB RMR	OD	FT.		
13	WAIT ON CEMENT				STB RMR	OD	FT.		
14	NIPPLE UP B.O.P.				STB RMR	OD	FT.		
15	TEST B.O.P.				STB RMR	OD	FT.		
16	DRILL STEM TEST				STB RMR	OD	FT.		
17	PLUG BACK				STB RMR	OD	FT.		
18	SQUEEZE CEMENT				STB RMR	OD	FT.		
19	FISHING				STB RMR	OD	FT.		
20	DIR. WORK				STB RMR	OD	FT.		
21	LOSS CIRC				STB RMR	OD	FT.		
22					STB RMR	OD	FT.		
23					STB RMR	OD	FT.		

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
1	RIG UP AND TEAR DOWN								
2	DRILL ACTUAL				1	7.40	15	17 1/4	WEIGHT
3	REAMING				12	347.12	155R	14 14 14	PRESSURE GRADIENT
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8	REPAIR RIG				STB RMR	OD	FT.	TOTAL FTG.	PH
9	CUT OFF DRILLING LINE				STB RMR	OD	FT.	TOTAL HRS. RUN	SOLIDS %
10	DEVIATION SURVEY				STB RMR	OD	FT.		
11	WIRE LINE LOGS				STB RMR	OD	FT.		
12	RUN CASING & CEMENT				STB RMR	OD	FT.		
13	WAIT ON CEMENT				STB RMR	OD	FT.		
14	NIPPLE UP B.O.P.				STB RMR	OD	FT.		
15	TEST B.O.P.				STB RMR	OD	FT.		
16	DRILL STEM TEST				STB RMR	OD	FT.		
17	PLUG BACK				STB RMR	OD	FT.		
18	SQUEEZE CEMENT				STB RMR	OD	FT.		
19	FISHING				STB RMR	OD	FT.		
20	DIR. WORK				STB RMR	OD	FT.		
21	LOSS CIRC				STB RMR	OD	FT.		
22					STB RMR	OD	FT.		
23					STB RMR	OD	FT.		

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
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7	LUBRICATE RIG				STB RMR	OD	FT.	DEPTH IN	ML -CC'S
8	REPAIR RIG				STB RMR	OD	FT.	TOTAL FTG.	PH
9	CUT OFF DRILLING LINE				STB RMR	OD	FT.	TOTAL HRS. RUN	SOLIDS %
10	DEVIATION SURVEY				STB RMR	OD	FT.		
11	WIRE LINE LOGS				STB RMR	OD	FT.		
12	RUN CASING & CEMENT				STB RMR	OD	FT.		
13	WAIT ON CEMENT				STB RMR	OD	FT.		
14	NIPPLE UP B.O.P.				STB RMR	OD	FT.		
15	TEST B.O.P.				STB RMR	OD	FT.		
16	DRILL STEM TEST				STB RMR	OD	FT.		
17	PLUG BACK				STB RMR	OD	FT.		
18	SQUEEZE CEMENT				STB RMR	OD	FT.		
19	FISHING				STB RMR	OD	FT.		
20	DIR. WORK				STB RMR	OD	FT.		
21	LOSS CIRC				STB RMR	OD	FT.		
22					STB RMR	OD	FT.		
23					STB RMR	OD	FT.		

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
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9	CUT OFF DRILLING LINE				STB RMR	OD	FT.	TOTAL HRS. RUN	SOLIDS %
10	DEVIATION SURVEY				STB RMR	OD	FT.		
11	WIRE LINE LOGS				STB RMR	OD	FT.		
12	RUN CASING & CEMENT				STB RMR	OD	FT.		
13	WAIT ON CEMENT				STB RMR	OD	FT.		
14	NIPPLE UP B.O.P.				STB RMR	OD	FT.		
15	TEST B.O.P.				STB RMR	OD	FT.		
16	DRILL STEM TEST				STB RMR	OD	FT.		
17	PLUG BACK				STB RMR	OD	FT.		
18	SQUEEZE CEMENT				STB RMR	OD	FT.		
19	FISHING				STB RMR	OD	FT.		
20	DIR. WORK				STB RMR	OD	FT.		
21	LOSS CIRC				STB RMR	OD	FT.		
22					STB RMR	OD	FT.		
23					STB RMR	OD	FT.		

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
1	RIG UP AND TEAR DOWN								
2	DRILL ACTUAL				1	7.40	15	17 1/4	WEIGHT
3	REAMING				12	347.12	155R	14 14 14	PRESSURE GRADIENT
4	CORING				STB RMR	OD	FT.	JETS 1.32"	VISC.-SEC.
5	CONDITION MUD & CIRCULATE				D.C. ID	OD	FT.	SER. NO.	PV YP
6	TRIPS				STB RMR	OD	FT.	DEPTH OUT	GELS
7	LUBRICATE RIG				STB RMR	OD	FT.	DEPTH IN	ML -CC'S
8	REPAIR RIG				STB RMR	OD	FT.	TOTAL FTG.	PH
9	CUT OFF DRILLING LINE				STB RMR	OD	FT.	TOTAL HRS. RUN	SOLIDS %
10	DEVIATION SURVEY				STB RMR	OD	FT.		
11	WIRE LINE LOGS				STB RMR	OD	FT.		
12	RUN CASING & CEMENT				STB RMR	OD	FT.		
13	WAIT ON CEMENT				STB RMR	OD	FT.		
14	NIPPLE UP B.O.P.				STB RMR	OD	FT.		
15	TEST B.O.P.				STB RMR	OD	FT.		
16	DRILL STEM TEST				STB RMR	OD	FT.		
17	PLUG BACK				STB RMR	OD	FT.		
18	SQUEEZE CEMENT				STB RMR	OD	FT.		
19	FISHING				STB RMR	OD	FT.		
20	DIR. WORK				STB RMR	OD	FT.		
21	LOSS CIRC				STB RMR	OD	FT.		
22					STB RMR	OD	FT.		
23					STB RMR	OD	FT.		

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

No. 4288

DAILY DRILLING REPORT

REPORT NO.

LEASE OPERATOR **FIET A-1** WELL NO. **A-1** API WELL NUMBER **120° 45' W 60° 40' E** DATE **Aug 22/69**

SIGNATURE OF OPERATOR'S REPRESENTATIVE **Amoco** SIGNATURE OF CONTRACTOR'S TOOL PUSHER **KREW**

D.P. **Fred Johnson** TOOLS JO. TYPE THREAD STRING NO. **1** PUMP NO. **1** PUMP MANUFACTURER **EMSCO** TYPE **D 950** STROKE LENGTH **16**

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	NO.	DRILLING ASSEMBLY	BIT RECORD	BIT RECORD	MUD RECORD		
1	RIG UP AND TEAR DOWN				15	BIT	FT. BIT NO.	15	TIME		
2	DRILL ACTUAL					STB RMR	OD: 7.40 FT. MFG.	HW	WEIGHT		
3	REAMING				2	D.C. ID	OD: 347.12 FT. TYPE	XSSR	PRESSURE GRADIENT		
4	CORING					STB RMR	OD: FT. JETS 1/32"	4 1/4 1/4	VISC-SEC		
5	CONDITION MUD & CIRCULATE					D.C. ID	OD: FT. SER. NO.	MA624	PV/YP		
6	TRIPS					STB RMR	OD: FT. DEPTH OUT		GELS		
7	LUBRICATE RIG				1	SHOCK	9.10	DEPTH IN	WL-CC'S		
8	REPAIR RIG				2	SUBS	3.12	TOTAL FTG.	PH		
9	CUT OFF DRILLING LINE								SOLIDS %		
10	DEVIATION SURVEY					STANDS DP	FT. COND. 1/8" T.B. GAGE		MUD & CHEMICALS ADDED		
11	WIRE LINE LOGS					SINGLES DP	FT. GPM/ PD-PSI		TYPE	AMT.	TYPE
12	RUN CASING & CEMENT					KELLY DOWN	FT.				
13	WAIT ON CEMENT					TOTAL	FT.				
14	NIPPLE UP B.O.P.					WT. OF STRING	LBS.				

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	NO.	DRILLING ASSEMBLY	BIT RECORD	BIT RECORD	MUD RECORD		
15	TEST B.O.P.					BIT	FT. BIT NO.		TIME		
16	DRILL STEM TEST					STB RMR	OD: FT. MFG.		WEIGHT		
17	PLUG BACK					D.C. ID	OD: FT. TYPE		PRESSURE GRADIENT		
18	SQUEEZE CEMENT					STB RMR	OD: FT. JETS 1/32"		VISC-SEC		
19	FISHING					D.C. ID	OD: FT. SER. NO.		PV/YP		
20	DIR. WORK					STB RMR	OD: FT. DEPTH OUT		GELS		
21									WL-CC'S		
22									PH		
23									SOLIDS %		
24	PERF'RTN					STANDS DP	FT. COND. 1/8" T.B. GAGE		MUD & CHEMICALS ADDED		
25	TBG TRIPS					SINGLES DP	FT. GPM/ PD-PSI		TYPE	AMT.	TYPE
26	TREATING					KELLY DOWN	FT.				
27	SWABBING					TOTAL	FT.				
28	TESTING					WT. OF STRING	LBS.				
29	ADDITIONAL										

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	NO.	DRILLING ASSEMBLY	BIT RECORD	BIT RECORD	MUD RECORD		
30	TOTALS					BIT	FT. BIT NO.		TIME		
31	DAY WORK TIME SUMMARY (OFFICE USE ONLY)					STB RMR	OD: 7.40 FT. MFG.		WEIGHT		
32	HRS. W/ CONTR. D.P.					D.C. ID	OD: 347.12 FT. TYPE		PRESSURE GRADIENT		
33	HRS. W/ OPR. D.P.					STB RMR	OD: FT. JETS 1/32"		VISC-SEC		
34	HRS. W/ O.D.P.					D.C. ID	OD: FT. SER. NO.		PV/YP		
35	HRS. STANDBY					STB RMR	OD: FT. DEPTH OUT		GELS		
36									WL-CC'S		
37									PH		
38									SOLIDS %		
39						STANDS DP	FT. COND. 1/8" T.B. GAGE		MUD & CHEMICALS ADDED		
40						SINGLES DP	FT. GPM/ PD-PSI		TYPE	AMT.	TYPE
41						KELLY DOWN	FT.				
42						TOTAL	FT.				
43						WT. OF STRING	LBS.				
44											
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TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	NO.	DRILLING ASSEMBLY	BIT RECORD	BIT RECORD	MUD RECORD		
101						BIT	FT. BIT NO.		TIME		
102						STB RMR	OD: 7.40 FT. MFG.		WEIGHT		
103						D.C. ID	OD: 347.12 FT. TYPE		PRESSURE GRADIENT		
104						STB RMR	OD: FT. JETS 1/32"		VISC-SEC		
105						D.C. ID	OD: FT. SER. NO.		PV/YP		
106						STB RMR	OD: FT. DEPTH OUT		GELS		
107									WL-CC'S		
108									PH		
109									SOLIDS %		
110						STANDS DP	FT. COND. 1/8" T.B. GAGE		MUD & CHEMICALS ADDED		
111						SINGLES DP	FT. GPM/ PD-PSI		TYPE	AMT.	TYPE
112						KELLY DOWN	FT.				
113						TOTAL	FT.				
114						WT. OF STRING	LBS.				

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	NO.	DRILLING ASSEMBLY	BIT RECORD	BIT RECORD	MUD RECORD		
115						BIT	FT. BIT NO.		TIME		
116						STB RMR	OD: 7.40 FT. MFG.		WEIGHT		
117						D.C. ID	OD: 347.12 FT. TYPE		PRESSURE GRADIENT		
118						STB RMR	OD: FT. JETS 1/32"		VISC-SEC		
119						D.C. ID	OD: FT. SER. NO.		PV/YP		
120						STB RMR	OD: FT. DEPTH OUT		GELS		
121									WL-CC'S		
122									PH		
123									SOLIDS %		
124						STANDS DP	FT. COND. 1/8" T.B. GAGE		MUD & CHEMICALS ADDED		
125						SINGLES DP	FT. GPM/ PD-PSI		TYPE	AMT.	TYPE
126						KELLY DOWN	FT.				
127						TOTAL	FT.				
128						WT. OF STRING	LBS.				

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	NO.	DRILLING ASSEMBLY	BIT RECORD	BIT RECORD	MUD RECORD		
129						BIT	FT. BIT NO.		TIME		
130						STB RMR	OD: 7.40 FT. MFG.		WEIGHT		
131						D.C. ID	OD: 347.12 FT. TYPE		PRESSURE GRADIENT		
132						STB RMR	OD: FT. JETS 1/32"		VISC-SEC		
133						D.C. ID	OD: FT. SER. NO.		PV/YP		
134						STB RMR	OD: FT. DEPTH OUT		GELS		
135									WL-CC'S		
136									PH		
137									SOLIDS %		
138						STANDS DP	FT. COND. 1/8" T.B. GAGE		MUD & CHEMICALS ADDED		
139						SINGLES DP	FT. GPM/ PD-PSI		TYPE	AMT.	TYPE
140						KELLY DOWN	FT.				
141						TOTAL	FT.				
142						WT. OF STRING	LBS.				

FOOTAGE		DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	W.T. ON BIT 1000'	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
4725												
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION		
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
FROM	TO											
4 ⁰⁰	8 ⁰⁰	4		WAIT ON 25 DIESEL GEL PLUG TO SET								
8 ⁰⁰	8 ¹⁵	1/4		PUMP DOWN MUD TO TEST DIESEL GEL PLUG								
8 ¹⁵	12 ⁰⁰	3 3/4		MIX MUD								

No. 4287

DAILY DRILLING REPORT

REPORT NO.

 LEASE **FLET A-1** WELL NO. **A-1** API WELL NUMBER **120° 45' W 60° 40' E** DATE **2-26-69**
 OPERATOR **AMOCO** CONTRACTOR **KFEW**

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT. FT.	GRADE	TOOL JOINT	C.D. TYPE	THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	TROUBLE
5 1/2	19.50	F	6 1/2	1 1/2	1	1	1	EMSCO	D 850	18
						2	2		D 700	16

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
1	RIG UP AND TEAR DOWN							WEIGHT	
2	DRILL ACTUAL				STB RMR OD	FT.	WFG	PRESSURE GRADIENT	
3	REAMING				D.C. ID OD	FT.	TYPE	VISC. SEC	
4	CORING				STB RMR OD	FT.	JETS 1-32"	PV. VP	
5	CONDITION MUD & CIRCULATE	0			D.C. ID OD	FT.	SER. NO.	GELS	
6	TRIPS				STB RMR OD	FT.	DEPTH OUT	WL. CC'S	
7	LUBRICATE RIG						DEPTH IN	pH	
8	REPAIR RIG						TOTAL FTG.	SOLIDS %	
9	CUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1/8" T.B. GAGE	MUD & CHEMICALS ADDED	
10	DEVIATION SURVEY				SINGLES DP	FT.	GPM. PD-PSI	TYPE	AMT.
11	WIRE LINE LOGS				KELLY DOWN	FT.			
12	RUN CASING & CEMENT				TOTAL	FT.			
13	WAIT ON CEMENT				WT. OF STRING	LBS.			
14	NIPPLE UP B.O.P.								

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
15	TEST B.O.P.							WEIGHT	
16	DRILL STEM TEST				STB RMR OD	FT.	WFG	PRESSURE GRADIENT	
17	PLUG BACK				D.C. ID OD	FT.	TYPE	VISC. SEC	
18	SQUEEZE CEMENT				STB RMR OD	FT.	JETS 1-32"	PV. VP	
19	FISHING				D.C. ID OD	FT.	SER. NO.	GELS	
20	DIR. WORK				STB RMR OD	FT.	DEPTH OUT	WL. CC'S	
21							DEPTH IN	pH	
22							TOTAL FTG.	SOLIDS %	
23					STANDS DP	FT.	COND. 1/8" T.B. GAGE	MUD & CHEMICALS ADDED	
24					SINGLES DP	FT.	GPM. PD-PSI	TYPE	AMT.
25					KELLY DOWN	FT.			
26					TOTAL	FT.			
27					WT. OF STRING	LBS.			

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
28								WEIGHT	
29					STB RMR OD	FT.	WFG	PRESSURE GRADIENT	
30					D.C. ID OD	FT.	TYPE	VISC. SEC	
31					STB RMR OD	FT.	JETS 1-32"	PV. VP	
32					D.C. ID OD	FT.	SER. NO.	GELS	
33					STB RMR OD	FT.	DEPTH OUT	WL. CC'S	
34							DEPTH IN	pH	
35							TOTAL FTG.	SOLIDS %	
36					STANDS DP	FT.	COND. 1/8" T.B. GAGE	MUD & CHEMICALS ADDED	
37					SINGLES DP	FT.	GPM. PD-PSI	TYPE	AMT.
38					KELLY DOWN	FT.			
39					TOTAL	FT.			
40					WT. OF STRING	LBS.			

TOTALS	4								
DAY WORK TIME SUMMARY (OFFICE USE ONLY)									
HRS. W/CONTR. D.P.									
HRS. W/OPR. D.P.									
HRS. W/O D.P.									
HRS. STANDBY									
TOTAL DAY WORK									
NO. OF DAYS FROM SPUD									
CUMULATIVE ROTATING HRS.									
TOTAL MUD COST									

MORNING TOUR

DAY TOUR

EVENING TOUR

FIELD OR DIST		COUNTY		STATE		NW T		WIRE LINE RECORD		SPEL NO.		DATE		TIME		NO. LINES		PAGE NO.	
LAST CASING TUBING OR LINER		13 3/4		1046		1 1/2		8		PRESENT LENGTH									
FOOTAGE		DR. D RM-R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000'		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM TO														LINER SIZE S.P.M.		LINER SIZE S.P.M.		SCHEMATIC	
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM TO																			
1200 200		2				MIX MUD WORK PIPE													
200 230		1/2				PUMP DOWN MUD NO RETURNS													
230						MIX MUD LOST CIRC MAT. WORK PIPE													
FOOTAGE		DR. D RM-R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000'		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM TO														LINER SIZE S.P.M.		LINER SIZE S.P.M.		SCHEMATIC	
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM TO																			
800 1045		2 3/4				MIX MUD WORK STUCK PIPE													
1045 1115		1/2				PUMP DOWN SAME													
1115 100		1 3/4				MIX MUD LOST CIRC MAT.													
100 130		1/2				PUMP MUD DOWN													
130 330		2				FILL MUD TANKS W/WATER													
330 345		1/4				PUMP WATER TO ESTABLISH FEED RATE - 1250 PSI													
345 400		1/4				START TO REMOVE KELLY GOOSE NECK													
FOOTAGE		DR. D RM-R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000'		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM TO														LINER SIZE S.P.M.		LINER SIZE S.P.M.		SCHEMATIC	
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM TO																			
400 600		2				REMOVE KELLY GOOSE NECK													
600 730		1 1/2				RUN IMPRESSION BLOCK													
730 930		2				2 RUNS TO SHOOT TO TCD PIPE & BIT NO22													
930 1045		1 1/4				PUT ON GOOSE NECK													
1045 1100		1/4				PUMP TO ESTABLISH FEED RATE - 275 PSI													
1100 1200		1				AT FULL PUMP													
1200						MIX MUD													
FOOTAGE		DR. D RM-R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000'		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM TO														LINER SIZE S.P.M.		LINER SIZE S.P.M.		SCHEMATIC	
DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG		ELAPSED TIME		CODE NO.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS													
FROM TO																			
400 600		2				REMOVE KELLY GOOSE NECK													
600 730		1 1/2				RUN IMPRESSION BLOCK													
730 930		2				2 RUNS TO SHOOT TO TCD PIPE & BIT NO22													
930 1045		1 1/4				PUT ON GOOSE NECK													
1045 1100		1/4				PUMP TO ESTABLISH FEED RATE - 275 PSI													
1100 1200		1				AT FULL PUMP													
1200						MIX MUD													

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

No 1285

DAILY DRILLING REPORT

REPORT NO.

LEASE NO. 1285
 OPERATOR FLETT A.I.
 CONTRACTOR KEEN DRILLING
 WELL NO. 21
 LOCATION 120° 45' W 60° 40' E
 DATE SEPT 25/69

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

DR. SIZE 5" 1/2
 GRADE 1
 TOOL JOINT TYPE 4 1/2
 STRING NO. 1
 PUMP MANUFACTURER EMSCO
 TYPE DBSD
 DR. NO. 18
 DR. LENGTH 16

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
1.	RIG UP AND TEAR DOWN								
2.	DRILL ACTUAL				1 STB		15		
3.	REAMING				D.C. ID	740	12 1/4	WEIGHT	
4.	CORING				OD	347.12	HW	PRESSURE GRADIENT	
5.	CONDITION MUD & CIRCULATE				STB RMR		TYPE	VISC-SEC	
6.	TRIPS				OD		JETS 1 3/2"	PH. VP	
7.	LUBRICATE RIG				D.C. ID		SER. NO.	GELS	
8.	REPAIR RIG				STB RMR		DEPTH OUT	ML-CC'S	
9.	CUT OFF DRILLING LINE							PH	
10.	DEVIATION SURVEY				STANDS DP	43 10.80	COND. 1 1/2" T.B. GAGE	SOLIDS %	
11.	WIRE LINE LOGS				SINGLES DP	61.44	CPM PD-PSI	MUD & CHEMICALS ADDED TYPE AMT. TYPE AMT.	
12.	RUN CASING & CEMENT				KELLY DOWN	27			
13.	WAIT ON CEMENT				TOTAL	47.25		Gel. 8500# Beneal 20# Sawdust 125 lbs Rink Seal 120 lbs	
14.	NIPPLE UP B.G.P.				WT. OF STRING	15000	LBS.		

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
1.	RIG UP AND TEAR DOWN								
2.	DRILL ACTUAL				1 STB		15		
3.	REAMING				D.C. ID	740	12 1/4	WEIGHT	
4.	CORING				OD	347.12	HW	PRESSURE GRADIENT	
5.	CONDITION MUD & CIRCULATE				STB RMR		TYPE	VISC-SEC	
6.	TRIPS				OD		JETS 1 3/2"	PH. VP	
7.	LUBRICATE RIG				D.C. ID		SER. NO.	GELS	
8.	REPAIR RIG				STB RMR		DEPTH OUT	ML-CC'S	
9.	CUT OFF DRILLING LINE							PH	
10.	DEVIATION SURVEY				STANDS DP	43 10.80	COND. 1 1/2" T.B. GAGE	SOLIDS %	
11.	WIRE LINE LOGS				SINGLES DP	61.44	CPM PD-PSI	MUD & CHEMICALS ADDED TYPE AMT. TYPE AMT.	
12.	RUN CASING & CEMENT				KELLY DOWN	27			
13.	WAIT ON CEMENT				TOTAL	47.25		Gel. 8500# Beneal 20# Sawdust 100 lbs Rink Seal 45 lbs	
14.	NIPPLE UP B.G.P.				WT. OF STRING	15000	LBS.		

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
1.	RIG UP AND TEAR DOWN								
2.	DRILL ACTUAL				1 STB		15		
3.	REAMING				D.C. ID	740	12 1/4	WEIGHT	
4.	CORING				OD	347.12	HW	PRESSURE GRADIENT	
5.	CONDITION MUD & CIRCULATE				STB RMR		TYPE	VISC-SEC	
6.	TRIPS				OD		JETS 1 3/2"	PH. VP	
7.	LUBRICATE RIG				D.C. ID		SER. NO.	GELS	
8.	REPAIR RIG				STB RMR		DEPTH OUT	ML-CC'S	
9.	CUT OFF DRILLING LINE							PH	
10.	DEVIATION SURVEY				STANDS DP	43 10.80	COND. 1 1/2" T.B. GAGE	SOLIDS %	
11.	WIRE LINE LOGS				SINGLES DP	61.44	CPM PD-PSI	MUD & CHEMICALS ADDED TYPE AMT. TYPE AMT.	
12.	RUN CASING & CEMENT				KELLY DOWN	27			
13.	WAIT ON CEMENT				TOTAL	47.25		Gel. 10000# Beneal 40# Sawdust 80 lbs Rink Seal 80 lbs	
14.	NIPPLE UP B.G.P.				WT. OF STRING	15000	LBS.		

NO. OF DAYS FROM 12:00
 CUMULATIVE ROTATING HRS.
 MUD COST

WIRE LINE RECORD
 SIZE 1 1/4
 LENGTH 8
 PRESENT LENGTH
 TONNAGE OF TRIPS SINCE LAST CUT
 CUMULATIVE TONNAGE OF TRIPS

FOOTAGE		DR. D. RM-R CORE C	CORE NO.	FORMATION (50% CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
4725										

DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
1200	200	20		WORK STUCK PIPE MIX LOST CIRC MAT.						
200	230	1/2		PUMP LOST CIRC MAT. NO RETURNS						
230	545	3 1/4		MIX LOST CIRC MAT. WORK TYPE						
545	615	1/2		PUMP LOST CIRC DOWN. HOLE NO RETURNS						
615	800			MIX LOST CIRC MAT.						

FOOTAGE		DR. D. RM-R CORE C	CORE NO.	FORMATION (50% CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
4725										

DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
800	815	1/4		MIX LOST CIRC MAT.						
815	845	1/2		PUMP LOST CIRC MAT. (NO RETURNS)						
845	1145	3		MIX MUD LOST CIRC MAT. WORKSTUCK PIPE						
1145	1215	1/2		PUMP SAME (NO RETURN)						
1215	1300	3 3/4		MIX LOST CIRC MAT. WORK PIPE						

FOOTAGE		DR. D. RM-R CORE C	CORE NO.	FORMATION (50% CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
4725										

DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
400	445	3/4		MIX MUD						
445	515	1/2		PUMP MUD DOWN - NO RETURNS						
515	900	3 3/4		MIX MUD & WORK PIPE						
900	930	1/4		PUMP MUD DOWN - NO RETURNS						
930	1200	2 1/2		MIX MUD						



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

No. 4284

DAILY DRILLING REPORT

REPORT NO.

LEASE OPERATOR **FLETT A.I.** WELL NO. **91** API WELL NUMBER **120°45 W 60°40 E.** DATE **SEPT 24/69**

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOLPUSHER

W.C. SIZE **5"** W.T. **1950** GRADE **E** TOOL JOINT TYPE **6 3/8 4 1/2"** STRING NO. **1** PUMP NO. **2** PUMP MANUFACTURER **EMSCO** TYPE **D 850** STROKE LENGTH **18**

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
CODE	NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
1		RIG UP AND TEAR DOWN				STB	740	15	12 1/4	100	400	600
2		DRILL ACTUAL	7 3/4	7 1/2		DC	247.12	12 1/4	H.W.	460	4.0	460
3		REAMING				STB	740	12 1/4	XSSR	52	60	56
4		CORING				DC	247.12	12 1/4	H.W.			
5		CONDITION MUD & CIRCULATE				STB	740	12 1/4	XSSR			
6		TRIPS				DC	247.12	12 1/4	H.W.			
7		LUBRICATE RIG	14			STB	740	12 1/4	XSSR			
8		REPAIR RIG				DC	247.12	12 1/4	H.W.			
9		CUT OFF DRILLING LINE				STB	740	12 1/4	XSSR			
10		DEVIATION SURVEY	114	14		DC	247.12	12 1/4	H.W.			
11		WIRE LINE LOGS				STB	740	12 1/4	XSSR			
12		RUN CASING & CEMENT				DC	247.12	12 1/4	H.W.			
13		WAIT ON CEMENT				STB	740	12 1/4	XSSR			
14		NIPPLE UP B.O.P.				DC	247.12	12 1/4	H.W.			
15		TEST R.O.P.				STB	740	12 1/4	XSSR			
16		DRILL STEM TEST				DC	247.12	12 1/4	H.W.			
17		PLUG BACK				STB	740	12 1/4	XSSR			
18		SQUEEZE CEMENT				DC	247.12	12 1/4	H.W.			
19		FISHING				STB	740	12 1/4	XSSR			
20		DIR. WORK				DC	247.12	12 1/4	H.W.			
21						STB	740	12 1/4	XSSR			
22						DC	247.12	12 1/4	H.W.			
23						STB	740	12 1/4	XSSR			

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
CODE	NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
1		RIG UP AND TEAR DOWN				STB	740	15	12 1/4	100	400	600
2		DRILL ACTUAL	7 3/4	7 1/2		DC	247.12	12 1/4	H.W.	460	4.0	460
3		REAMING				STB	740	12 1/4	XSSR	52	60	56
4		CORING				DC	247.12	12 1/4	H.W.			
5		CONDITION MUD & CIRCULATE				STB	740	12 1/4	XSSR			
6		TRIPS				DC	247.12	12 1/4	H.W.			
7		LUBRICATE RIG	14			STB	740	12 1/4	XSSR			
8		REPAIR RIG				DC	247.12	12 1/4	H.W.			
9		CUT OFF DRILLING LINE				STB	740	12 1/4	XSSR			
10		DEVIATION SURVEY	114	14		DC	247.12	12 1/4	H.W.			
11		WIRE LINE LOGS				STB	740	12 1/4	XSSR			
12		RUN CASING & CEMENT				DC	247.12	12 1/4	H.W.			
13		WAIT ON CEMENT				STB	740	12 1/4	XSSR			
14		NIPPLE UP B.O.P.				DC	247.12	12 1/4	H.W.			
15		TEST R.O.P.				STB	740	12 1/4	XSSR			
16		DRILL STEM TEST				DC	247.12	12 1/4	H.W.			
17		PLUG BACK				STB	740	12 1/4	XSSR			
18		SQUEEZE CEMENT				DC	247.12	12 1/4	H.W.			
19		FISHING				STB	740	12 1/4	XSSR			
20		DIR. WORK				DC	247.12	12 1/4	H.W.			
21						STB	740	12 1/4	XSSR			
22						DC	247.12	12 1/4	H.W.			
23						STB	740	12 1/4	XSSR			

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
CODE	NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
1		RIG UP AND TEAR DOWN				STB	740	15	12 1/4	100	400	600
2		DRILL ACTUAL	7 3/4	7 1/2		DC	247.12	12 1/4	H.W.	460	4.0	460
3		REAMING				STB	740	12 1/4	XSSR	52	60	56
4		CORING				DC	247.12	12 1/4	H.W.			
5		CONDITION MUD & CIRCULATE				STB	740	12 1/4	XSSR			
6		TRIPS				DC	247.12	12 1/4	H.W.			
7		LUBRICATE RIG	14			STB	740	12 1/4	XSSR			
8		REPAIR RIG				DC	247.12	12 1/4	H.W.			
9		CUT OFF DRILLING LINE				STB	740	12 1/4	XSSR			
10		DEVIATION SURVEY	114	14		DC	247.12	12 1/4	H.W.			
11		WIRE LINE LOGS				STB	740	12 1/4	XSSR			
12		RUN CASING & CEMENT				DC	247.12	12 1/4	H.W.			
13		WAIT ON CEMENT				STB	740	12 1/4	XSSR			
14		NIPPLE UP B.O.P.				DC	247.12	12 1/4	H.W.			
15		TEST R.O.P.				STB	740	12 1/4	XSSR			
16		DRILL STEM TEST				DC	247.12	12 1/4	H.W.			
17		PLUG BACK				STB	740	12 1/4	XSSR			
18		SQUEEZE CEMENT				DC	247.12	12 1/4	H.W.			
19		FISHING				STB	740	12 1/4	XSSR			
20		DIR. WORK				DC	247.12	12 1/4	H.W.			
21						STB	740	12 1/4	XSSR			
22						DC	247.12	12 1/4	H.W.			
23						STB	740	12 1/4	XSSR			

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

SIGNATURE OF OPERATOR'S REPRESENTATIVE *A.M.O.C.B.* SIGNATURE OF COMPANY REPRESENTATIVE *KEEN DRILLING.* 2.

DATE	TIME	LOCATION	WIND	WAVE	SEA	TEMP	DEPTH	REMARKS
5-14-50	E	63/8	4 1/2	1F				
				1	EMSCO			D850
				2	EMSCO			D870

PRINTED IN U.S.A.  APPROVED  APPROVED **A.A.O.D.C.--A.P.I. OFFICIAL RAIL** *DIESEL 1 R.R.*

[illegible][illegible]

No. 4282

DAILY DRILLING REPORT

REPORT NO.

LEASE
Flett A-1
WELL NO. A-1
API WELL NUMBER 12045W 6040E
DATE Sept. 27
CONTRACTOR Keen Drilling
R. P. RinkSIGNATURE OF OPERATOR'S REPRESENTATIVE
Fred Bondar
SIGNATURE OF CONTRACTOR'S TOOL PUSHER
R. P. RinkD.P. SIZE 5" HT. FT. 1950 GRADE E TOOL JT Q.D. TYPE 63/4 41/2" STRING NO. 1 PUMP NO. 1 PUMP MANUFACTURER Emeco TYPE D-850 STROKE LENGTH 18
2 Emeco D-9-200 16

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC.-SEC.
1.	RIG UP AND TEAR DOWN											
2.	DRILL ACTUAL	7 1/2	26	3 1/4	1	STB RMR OD 7.40 FT.	14	12 1/4	12:00 3:00 6:00	8.9	8.9	8.9
3.	REAMING				10	D.C. ID 347.12 FT.	Sec	M88		460	460	460
4.	CORING					STB RMR OD 347.12 FT.	TYPE	M88		56	49	48
5.	CONDITION MUD & CIRCULATE					D.C. ID 347.12 FT.	JETS 1/32"	14 1/4 14				
6.	TRIPS					STB RMR OD 347.12 FT.	SER. NO.	144606R				
7.	LUBRICATE RIG	1/4	1/4			STB RMR OD 347.12 FT.	DEPTH OUT			8.2	8.2	
8.	REPAIR RIG	1/2	3/4			STB RMR OD 347.12 FT.	DEPTH IN	414.7		8.0	8.0	8.0
9.	CUT OFF DRILLING LINE					STB RMR OD 347.12 FT.	TOTAL FTG.	246				
10.	DEVIATION SURVEY	1/4	1/2			STB RMR OD 347.12 FT.	TOTAL HRS. RUN	49 1/4		732	732	732
11.	WIRE LINE LOGS					STB RMR OD 347.12 FT.	COND. 1/8" T.B. GAGE	RUN				
12.	RUN CASING & CEMENT					STB RMR OD 347.12 FT.	GPM PD-PSI					
13.	WAIT ON CEMENT					STB RMR OD 347.12 FT.	TYPE					
14.	NIPPLE UP B.O.P.					STB RMR OD 347.12 FT.	AMT.					
15.	TEST B.O.P.	1/4				STB RMR OD 347.12 FT.	TYPE					
16.	DRILL STEM TEST					STB RMR OD 347.12 FT.	AMT.					
17.	PLUG BACK					STB RMR OD 347.12 FT.	TYPE					
18.	SQUEEZE CEMENT					STB RMR OD 347.12 FT.	AMT.					
19.	FISHING					STB RMR OD 347.12 FT.	TYPE					
20.	DIR. WORK					STB RMR OD 347.12 FT.	AMT.					
21.						STB RMR OD 347.12 FT.	TYPE					
22.						STB RMR OD 347.12 FT.	AMT.					
23.						STB RMR OD 347.12 FT.	TYPE					
COMPLETION						STB RMR OD 347.12 FT.	AMT.					
A.	PERF'RT'N					STB RMR OD 347.12 FT.	TYPE					
B.	T.B.G. TRIPS					STB RMR OD 347.12 FT.	AMT.					
C.	TREATING					STB RMR OD 347.12 FT.	TYPE					
D.	SWABBING					STB RMR OD 347.12 FT.	AMT.					
E.	TESTING					STB RMR OD 347.12 FT.	TYPE					
F.	ADDIT'N'L					STB RMR OD 347.12 FT.	AMT.					
G.						STB RMR OD 347.12 FT.	TYPE					
TOTALS				8 8 8		STB RMR OD 347.12 FT.	AMT.					
DAY WORK TIME SUMMARY (OFFICE USE ONLY)						STB RMR OD 347.12 FT.	TYPE					
HRS. W/ CONTR. D.P.						STB RMR OD 347.12 FT.	AMT.					
HRS. W/ OPR. D.P.						STB RMR OD 347.12 FT.	TYPE					
HRS. W/ D.P.						STB RMR OD 347.12 FT.	AMT.					
HRS. STANDBY						STB RMR OD 347.12 FT.	TYPE					
TOTAL DAY WORK						STB RMR OD 347.12 FT.	AMT.					
NO. OF DAYS FROM SPUD						STB RMR OD 347.12 FT.	TYPE					
CUMULATIVE ROTATING HRS.						STB RMR OD 347.12 FT.	AMT.					
TOTAL MUD COST						STB RMR OD 347.12 FT.	TYPE					

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC.-SEC.
1.	RIG UP AND TEAR DOWN											
2.	DRILL ACTUAL	7 1/2	26	3 1/4	1	STB RMR OD 7.40 FT.	14	12 1/4	12:00 3:00 6:00	8.9	8.9	8.9
3.	REAMING				10	D.C. ID 347.12 FT.	Sec	M88		460	460	460
4.	CORING					STB RMR OD 347.12 FT.	TYPE	M88		56	49	48
5.	CONDITION MUD & CIRCULATE					D.C. ID 347.12 FT.	JETS 1/32"	14 1/4 14				
6.	TRIPS					STB RMR OD 347.12 FT.	SER. NO.	144606R				
7.	LUBRICATE RIG	1/4	1/4			STB RMR OD 347.12 FT.	DEPTH OUT			8.2	8.2	
8.	REPAIR RIG	1/2	3/4			STB RMR OD 347.12 FT.	DEPTH IN	414.7		8.0	8.0	8.0
9.	CUT OFF DRILLING LINE					STB RMR OD 347.12 FT.	TOTAL FTG.	246				
10.	DEVIATION SURVEY	1/4	1/2			STB RMR OD 347.12 FT.	TOTAL HRS. RUN	49 1/4		732	732	732
11.	WIRE LINE LOGS					STB RMR OD 347.12 FT.	COND. 1/8" T.B. GAGE	RUN				
12.	RUN CASING & CEMENT					STB RMR OD 347.12 FT.	GPM PD-PSI					
13.	WAIT ON CEMENT					STB RMR OD 347.12 FT.	TYPE					
14.	NIPPLE UP B.O.P.					STB RMR OD 347.12 FT.	AMT.					
15.	TEST B.O.P.	1/4				STB RMR OD 347.12 FT.	TYPE					
16.	DRILL STEM TEST					STB RMR OD 347.12 FT.	AMT.					
17.	PLUG BACK					STB RMR OD 347.12 FT.	TYPE					
18.	SQUEEZE CEMENT					STB RMR OD 347.12 FT.	AMT.					
19.	FISHING					STB RMR OD 347.12 FT.	TYPE					
20.	DIR. WORK					STB RMR OD 347.12 FT.	AMT.					
21.						STB RMR OD 347.12 FT.	TYPE					
22.						STB RMR OD 347.12 FT.	AMT.					
23.						STB RMR OD 347.12 FT.	TYPE					
COMPLETION						STB RMR OD 347.12 FT.	AMT.					
A.	PERF'RT'N					STB RMR OD 347.12 FT.	TYPE					
B.	T.B.G. TRIPS					STB RMR OD 347.12 FT.	AMT.					
C.	TREATING					STB RMR OD 347.12 FT.	TYPE					
D.	SWABBING					STB RMR OD 347.12 FT.	AMT.					
E.	TESTING					STB RMR OD 347.12 FT.	TYPE					
F.	ADDIT'N'L					STB RMR OD 347.12 FT.	AMT.					
G.						STB RMR OD 347.12 FT.	TYPE					
TOTALS				8 8 8		STB RMR OD 347.12 FT.	AMT.					
DAY WORK TIME SUMMARY (OFFICE USE ONLY)						STB RMR OD 347.12 FT.	TYPE					
HRS. W/ CONTR. D.P.						STB RMR OD 347.12 FT.	AMT.					
HRS. W/ OPR. D.P.						STB RMR OD 347.12 FT.	TYPE					
HRS. W/ D.P.						STB RMR OD 347.12 FT.	AMT.					
HRS. STANDBY						STB RMR OD 347.12 FT.	TYPE					
TOTAL DAY WORK						STB RMR OD 347.12 FT.	AMT.					
NO. OF DAYS FROM SPUD						STB RMR OD 347.12 FT.	TYPE					
CUMULATIVE ROTATING HRS.						STB RMR OD 347.12 FT.	AMT.					
TOTAL MUD COST						STB RMR OD 347.12 FT.	TYPE					

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC.-SEC.
1.	RIG UP AND TEAR DOWN											
2.	DRILL ACTUAL	7 1/2	26	3 1/4	1	STB RMR OD 7.40 FT.	14	12 1/4	12:00 3:00 6:00	8.9	8.9	8.9
3.	REAMING				10	D.C. ID 347.12 FT.	Sec	M88		460	460	460
4.	CORING					STB RMR OD 347.12 FT.	TYPE	M88		56	49	48
5.	CONDITION MUD & CIRCULATE					D.C. ID 347.12 FT.	JETS 1/32"	14 1/4 14				
6.	TRIPS					STB RMR OD 347.12 FT.	SER. NO.	144606R				
7.	LUBRICATE RIG	1/4	1/4			STB RMR OD 347.12 FT.	DEPTH OUT			8.2	8.2	
8.	REPAIR RIG	1/2	3/4			STB RMR OD 347.12 FT.	DEPTH IN	414.7		8.0	8.0	8.0
9.	CUT OFF DRILLING LINE					STB RMR OD 347.12 FT.	TOTAL FTG.	246				
10.	DEVIATION SURVEY	1/4	1/2			STB RMR OD 347.12 FT.	TOTAL HRS. RUN	49 1/4		732	732	732
11.	WIRE LINE LOGS					STB RMR OD 347.12 FT.	COND. 1/8" T.B. GAGE	RUN				
12.	RUN CASING & CEMENT					STB RMR OD 347.12 FT.	GPM PD-PSI					
13.	WAIT ON CEMENT					STB RMR OD 347.12 FT.	TYPE					
14.	NIPPLE UP B.O.P.					STB RMR OD 347.12 FT.	AMT.					
15.	TEST B.O.P.	1/4				STB RMR OD 347.12 FT.	TYPE					
16.	DRILL STEM TEST					STB RMR OD 347.12 FT.	AMT.					
17.	PLUG BACK					STB RMR OD 347.12 FT.	TYPE					
18.	SQUEEZE CEMENT					STB RMR OD 347.12 FT.	AMT.					
19.	FISHING					STB RMR OD 347.12 FT.	TYPE					
20.	DIR. WORK					STB RMR OD 347.12 FT.	AMT.					
21.						STB RMR OD 347.12 FT.	TYPE					
22.						STB RMR OD 347.12 FT.	AMT.					
23.						STB RMR OD 347.12 FT.	TYPE					
COMPLETION						STB RMR OD 347.12 FT.	AMT.					
A.	PERF'RT'N					STB RMR OD 347.12 FT.	TYPE					
B.	T.B.G. TRIPS					STB RMR OD 347.12 FT.	AMT.					
C.	TREATING					STB RMR OD 347.12 FT.	TYPE					
D.	SWABBING					STB RMR OD 347.12 FT.	AMT.					
E.	TESTING					STB RMR OD 347.12 FT.	TYPE					
F.	ADDIT'N'L					STB RMR OD 347.12 FT.	AMT.					
G.						STB RMR OD 347.12 FT.	TYPE					
TOTALS				8 8 8		STB RMR OD 347.12 FT.	AMT.					
DAY WORK TIME SUMMARY (OFFICE USE ONLY)						STB RMR OD 347.12 FT.	TYPE					
HRS. W/ CONTR. D.P.						STB RMR OD 347.12 FT.	AMT.					
HRS. W/ OPR. D.P.						STB RMR OD 347.12 FT.	TYPE					
HRS. W/ D.P.						STB RMR OD 347.12 FT.	AMT.					
HRS. STANDBY						STB RMR OD 347.12 FT.	TYPE					
TOTAL DAY WORK						STB RMR OD 347.12 FT.	AMT.					
NO. OF DAYS FROM SPUD						STB RMR OD 347.12 FT.	TYPE					
CUMULATIVE ROTATING HRS.						STB RMR OD 347.12 FT.	AMT.					
TOTAL MUD COST						STB RMR OD 347.12 FT.	TYPE					

FIELD OR DIST. N.W.T. WIRE LINE RECORD REEL NO. 1646
LAST CASING TUBING OR LINES 13 3/4
CONCRETE OR TRIPS
CONCRETE OR TRIPS

||
||
||

No. 4284

DAILY DRILLING REPORT

REPORT NO.

LEASE
 OPERATOR **Flett A-1**
 WELL NO. **A-1** API WELL NUMBER **120°45'W 60°40'E**
 CONTRACTOR **Keen Drilling** DATE **Sept 21**

SIGNATURE OF OPERATOR'S REPRESENTATIVE
Fred J. Borden

SIGNATURE OF CONTRACTOR'S TOOL PUSHER
L. Rinschuk

D.P. SIZE **5** W. FT. **1950** GRADE **E** TOOL IT. C.D. TYPE **6 3/4 4 1/2 I.P.** STRING NO. **1** PUMP NO. **1** Emsco
 TYPE **D-850 18**
D-A 700 16

FIELD OR DIST **N.W.** COUNTY **1046**
 LAST CASING TUBING OR LINE **13 3/4**
 WIRE LINE RECORD **1046**
 3/4 IN. OR TRIPS SINCE LAST CUT
 CUMULATIVE TON. OF TRIPS

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD			
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT	VISC-SEC.	PV-YP	GELS.
1.	RIG UP AND TEAR DOWN												
2.	DRILL ACTUAL	8	7 1/2		STB RMR	OD	FT. WFG.	12 1/4	9.0	9.0	9.0		
3.	REAMING				D.C. ID	OD	FT. TYPE	347.12	465	465	465		
4.	CORING				STB RMR	OD	FT. JETS 1/32"	7.40	64	61	56		
5.	CONDITION MUD & CIRCULATE				D.C. ID	OD	FT. SER. NO.	1446062					
6.	TRIPS				STB RMR	OD	FT. DEPTH OUT						
7.	LUBRICATE RIG				1 Shock	9.10	DEPTH IN	4147	8.2	8.2	8.0		
8.	REPAIR RIG				Subs	3.21	TOTAL FTG.	97	8.5	8.5	8.5		
9.	CUT OFF DRILLING LINE						TOTAL HRS. RUN	26 3/4	3/32	3/32	3/32		
10.	DEVIATION SURVEY				47 STANDS DP	3859.53	COND. 1/8" T.B. GAGE	RUN					
11.	WIRE LINE LOGS				1 SINGLES DP	31.46	GPM. PD-PSI						
12.	RUN CASING & CEMENT				KELLY DOWN	29	FT.						
13.	WAIT ON CEMENT				TOTAL	4256.88							
14.	NIPPLE UP & Q.P.				WT. OF STRING	140	LBS.						

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD			
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT	VISC-SEC.	PV-YP	GELS.
15.	TEST B.Q.P.												
16.	DRILL STEM TEST												
17.	PLUG BACK												
18.	SQUEEZE CEMENT				STB RMR	OD	FT. WFG.	12 1/4	9.0	9.0	8.9		
19.	FISHING				D.C. ID	OD	FT. TYPE	347.12	55	48	52		
20.	DIR. WORK				STB RMR	OD	FT. JETS 1/32"	7.40					
21.					D.C. ID	OD	FT. SER. NO.	1446062					
22.					STB RMR	OD	FT. DEPTH OUT	1N.					
23.					1 Shock	9.10	DEPTH IN	4147	8.5				
	A. PERF'T'N				2 Subs	3.21	TOTAL FTG.	138					
	B. TBG TRIPS						TOTAL HRS. RUN	30 1/4					
	C. TREATING				42 STANDS DP	3859.53	COND. 1/8" T.B. GAGE	DRILL					
	D. SWABBING				2 SINGLES DP	62.01	GPM. PD-PSI						
	E. TESTING				KELLY DOWN	39	FT.						
	F. ADDIT'L				TOTAL	4285							
	G.				WT. OF STRING	140	LBS.						

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD			
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT	VISC-SEC.	PV-YP	GELS.
24.	TEST B.Q.P.												
25.	DRILL STEM TEST												
26.	PLUG BACK												
27.	SQUEEZE CEMENT				STB RMR	OD	FT. WFG.	12 1/4	9.0	9.0	9.0		
28.	FISHING				D.C. ID	OD	FT. TYPE	347.12	51	49	45		
29.	DIR. WORK				STB RMR	OD	FT. JETS 1/32"	7.40					
30.					D.C. ID	OD	FT. SER. NO.	1446062					
31.					STB RMR	OD	FT. DEPTH OUT	1N.					
32.					1 Shock	9.10	DEPTH IN	4147	8.8				
33.					3 Subs	3.21	TOTAL FTG.	191					
34.							TOTAL HRS. RUN	41 3/4					
35.					42 STANDS DP	3890.03	COND. 1/8" T.B. GAGE						
36.					1 SINGLES DP	30.67	GPM. PD-PSI						
37.					KELLY DOWN	31	FT.						
38.					TOTAL	4338							
39.					WT. OF STRING	140	LBS.						

FOOTAGE		DR. D. CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO	DR. D. CORE NO.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP PRESS	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	METHOD RUN	METHOD RUN
4212	4244	35															
4220	4250	63 1/4															

DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	8:00	8	Drill 12 1/4 Hole	12:00	8:00	8	Drill 12 1/4 Hole	12:00	8:00	8	Drill 12 1/4 Hole	12:00	8:00	8	Drill 12 1/4 Hole	12:00	8:00	8	Drill 12 1/4 Hole

FOOTAGE		DR. D. CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO	DR. D. CORE NO.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP PRESS	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	METHOD RUN	METHOD RUN
4244	4285	41															
4220	4250	63 1/4															

DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	11:00	3	DRILL	8:00	11:00	3	DRILL	8:00	11:00	3	DRILL	8:00	11:00	3	DRILL	8:00	11:00	3	DRILL
11:00	11:15	14	RIG SERVICE & TBORS	11:00	11:15	14	RIG SERVICE & TBORS	11:00	11:15	14	RIG SERVICE & TBORS	11:00	11:15	14	RIG SERVICE & TBORS	11:00	11:15	14	RIG SERVICE & TBORS
11:15	11:30	14	SURVEY	11:15	11:30	14	SURVEY	11:15	11:30	14	SURVEY	11:15	11:30	14	SURVEY	11:15	11:30	14	SURVEY
11:30	4:00	4 1/2	DRILL	11:30	4:00	4 1/2	DRILL	11:30	4:00	4 1/2	DRILL	11:30	4:00	4 1/2	DRILL	11:30	4:00	4 1/2	DRILL

FOOTAGE		DR. D. CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO	DR. D. CORE NO.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP PRESS	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	METHOD RUN	METHOD RUN
4285	4317	53															
4220	4250	63 1/4															

DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	14	R. G. SERV. 180 PS	4:00	4:15	14	R. G. SERV. 180 PS	4:00	4:15	14	R. G. SERV. 180 PS	4:00	4:15	14	R. G. SERV. 180 PS	4:00	4:15	14	R. G. SERV. 180 PS
4:15	8:30	4 1/4	DRILL 12 1/4 HOLE	4:15	8:30	4 1/4	DRILL 12 1/4 HOLE	4:15	8:30	4 1/4	DRILL 12 1/4 HOLE	4:15	8:30	4 1/4	DRILL 12 1/4 HOLE	4:15	8:30	4 1/4	DRILL 12 1/4 HOLE
8:30	8:45	14	SURVEY @ 4317	8:30	8:45	14	SURVEY @ 4317	8:30	8:45	14	SURVEY @ 4317	8:30	8:45	14	SURVEY @ 4317	8:30	8:45	14	SURVEY @ 4317
8:45	12:00	3 1/4	DRILL	8:45	12:00	3 1/4	DRILL	8:45	12:00	3 1/4	DRILL	8:45	12:00	3 1/4	DRILL	8:45	12:00	3 1/4	DRILL

FOOTAGE		DR. D. CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO	DR. D. CORE NO.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP PRESS	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	METHOD RUN	METHOD RUN
4285	4317	53															
4220	4250	63 1/4															

DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		4317	20							
FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
4:00	4:15	15		R. G. SERV. 180 PS.						
4:15	8:30	4 1/4								
8:30	8:45	15								
8:45	12:00	3 1/4								

No. 4278

LEASE A-1 Flett A-1 120°45'W 60°40'E Sept 18/1950

SIGNATURE OF OPERATOR'S REPRESENTATIVE *Emeco* SIGNATURE OF CONTRACTOR'S TOOL PUSHER *Keon Drilling*

DATE 13/8 1546

5" 1950 E 678 4 1/2" 1 1 Emeco D-850 18
Emeco D-8 700 16

TIME DISTRIBUTION - HOURS		NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	NO.	DRILLING ASSEMBLY	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT
1	DRILL ACTUAL	10	347.12	12	12.4	13.4	9.0
2	REAMING	1	7.40	12	14.14	5.44	5.7
3	CORING	1	7.40	12	14.14	5.44	5.7
4	CONDITION MUD & CIRCULATE	1	7.40	12	14.14	5.44	5.7
5	TRIPS	1	7.40	12	14.14	5.44	5.7
6	LUBRICATE	1	7.40	12	14.14	5.44	5.7
7	REPAIR RIG	1	7.40	12	14.14	5.44	5.7
8	CUT OFF DRILLING LINE	1	7.40	12	14.14	5.44	5.7
9	DEVIATION SURVEY	1	7.40	12	14.14	5.44	5.7
10	WIRE LINE LOGS	1	7.40	12	14.14	5.44	5.7
11	RUN CASING	1	7.40	12	14.14	5.44	5.7
12	CEMENT	1	7.40	12	14.14	5.44	5.7
13	CEMENT	1	7.40	12	14.14	5.44	5.7
14	WIPPLE UP	1	7.40	12	14.14	5.44	5.7
15	TEST S.O.P.	1	7.40	12	14.14	5.44	5.7
16	DRILL STEM TEST	1	7.40	12	14.14	5.44	5.7
17	PLUG BACK	1	7.40	12	14.14	5.44	5.7
18	SQUEEZE CEMENT	1	7.40	12	14.14	5.44	5.7
19	FISHING	1	7.40	12	14.14	5.44	5.7
20	DIR. WORK	1	7.40	12	14.14	5.44	5.7
21	DIR. WORK	1	7.40	12	14.14	5.44	5.7
22	DIR. WORK	1	7.40	12	14.14	5.44	5.7
23	DIR. WORK	1	7.40	12	14.14	5.44	5.7
24	DIR. WORK	1	7.40	12	14.14	5.44	5.7
25	DIR. WORK	1	7.40	12	14.14	5.44	5.7
26	DIR. WORK	1	7.40	12	14.14	5.44	5.7
27	DIR. WORK	1	7.40	12	14.14	5.44	5.7
28	DIR. WORK	1	7.40	12	14.14	5.44	5.7
29	DIR. WORK	1	7.40	12	14.14	5.44	5.7
30	DIR. WORK	1	7.40	12	14.14	5.44	5.7
31	DIR. WORK	1	7.40	12	14.14	5.44	5.7
32	DIR. WORK	1	7.40	12	14.14	5.44	5.7
33	DIR. WORK	1	7.40	12	14.14	5.44	5.7
34	DIR. WORK	1	7.40	12	14.14	5.44	5.7
35	DIR. WORK	1	7.40	12	14.14	5.44	5.7
36	DIR. WORK	1	7.40	12	14.14	5.44	5.7
37	DIR. WORK	1	7.40	12	14.14	5.44	5.7
38	DIR. WORK	1	7.40	12	14.14	5.44	5.7
39	DIR. WORK	1	7.40	12	14.14	5.44	5.7
40	DIR. WORK	1	7.40	12	14.14	5.44	5.7
41	DIR. WORK	1	7.40	12	14.14	5.44	5.7
42	DIR. WORK	1	7.40	12	14.14	5.44	5.7
43	DIR. WORK	1	7.40	12	14.14	5.44	5.7
44	DIR. WORK	1	7.40	12	14.14	5.44	5.7
45	DIR. WORK	1	7.40	12	14.14	5.44	5.7
46	DIR. WORK	1	7.40	12	14.14	5.44	5.7
47	DIR. WORK	1	7.40	12	14.14	5.44	5.7
48	DIR. WORK	1	7.40	12	14.14	5.44	5.7
49	DIR. WORK	1	7.40	12	14.14	5.44	5.7
50	DIR. WORK	1	7.40	12	14.14	5.44	5.7
51	DIR. WORK	1	7.40	12	14.14	5.44	5.7
52	DIR. WORK	1	7.40	12	14.14	5.44	5.7
53	DIR. WORK	1	7.40	12	14.14	5.44	5.7
54	DIR. WORK	1	7.40	12	14.14	5.44	5.7
55	DIR. WORK	1	7.40	12	14.14	5.44	5.7
56	DIR. WORK	1	7.40	12	14.14	5.44	5.7
57	DIR. WORK	1	7.40	12	14.14	5.44	5.7
58	DIR. WORK	1	7.40	12	14.14	5.44	5.7
59	DIR. WORK	1	7.40	12	14.14	5.44	5.7
60	DIR. WORK	1	7.40	12	14.14	5.44	5.7
61	DIR. WORK	1	7.40	12	14.14	5.44	5.7
62	DIR. WORK	1	7.40	12	14.14	5.44	5.7
63	DIR. WORK	1	7.40	12	14.14	5.44	5.7
64	DIR. WORK	1	7.40	12	14.14	5.44	5.7
65	DIR. WORK	1	7.40	12	14.14	5.44	5.7
66	DIR. WORK	1	7.40	12	14.14	5.44	5.7
67	DIR. WORK	1	7.40	12	14.14	5.44	5.7
68	DIR. WORK	1	7.40	12	14.14	5.44	5.7
69	DIR. WORK	1	7.40	12	14.14	5.44	5.7
70	DIR. WORK	1	7.40	12	14.14	5.44	5.7
71	DIR. WORK	1	7.40	12	14.14	5.44	5.7
72	DIR. WORK	1	7.40	12	14.14	5.44	5.7
73	DIR. WORK	1	7.40	12	14.14	5.44	5.7
74	DIR. WORK	1	7.40	12	14.14	5.44	5.7
75	DIR. WORK	1	7.40	12	14.14	5.44	5.7
76	DIR. WORK	1	7.40	12	14.14	5.44	5.7
77	DIR. WORK	1	7.40	12	14.14	5.44	5.7
78	DIR. WORK	1	7.40	12	14.14	5.44	5.7
79	DIR. WORK	1	7.40	12	14.14	5.44	5.7
80	DIR. WORK	1	7.40	12	14.14	5.44	5.7
81	DIR. WORK	1	7.40	12	14.14	5.44	5.7
82	DIR. WORK	1	7.40	12	14.14	5.44	5.7
83	DIR. WORK	1	7.40	12	14.14	5.44	5.7
84	DIR. WORK	1	7.40	12	14.14	5.44	5.7
85	DIR. WORK	1	7.40	12	14.14	5.44	5.7
86	DIR. WORK	1	7.40	12	14.14	5.44	5.7
87	DIR. WORK	1	7.40	12	14.14	5.44	5.7
88	DIR. WORK	1	7.40	12	14.14	5.44	5.7
89	DIR. WORK	1	7.40	12	14.14	5.44	5.7
90	DIR. WORK	1	7.40	12	14.14	5.44	5.7
91	DIR. WORK	1	7.40	12	14.14	5.44	5.7
92	DIR. WORK	1	7.40	12	14.14	5.44	5.7
93	DIR. WORK	1	7.40	12	14.14	5.44	5.7
94	DIR. WORK	1	7.40	12	14.14	5.44	5.7
95	DIR. WORK	1	7.40	12	14.14	5.44	5.7
96	DIR. WORK	1	7.40	12	14.14	5.44	5.7
97	DIR. WORK	1	7.40	12	14.14	5.44	5.7
98	DIR. WORK	1	7.40	12	14.14	5.44	5.7
99	DIR. WORK	1	7.40	12	14.14	5.44	5.7
100	DIR. WORK	1	7.40	12	14.14	5.44	5.7

MORNING TOUR

DAY TOUR

EVENING TOUR

FOOTAGE		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
FROM	TO	NO.	DRILLING ASSEMBLY	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT
3855	3932	67	347.12	12	12.4	13.4	9.0
3932	3997	68	347.12	12	14.14	5.44	5.7
3997	4057	69	347.12	12	14.14	5.44	5.7
4057	4107	70	347.12	12	14.14	5.44	5.7
4107	4157	71	347.12	12	14.14	5.44	5.7
4157	4207	72	347.12	12	14.14	5.44	5.7
4207	4257	73	347.12	12	14.14	5.44	5.7
4257	4307	74	347.12	12	14.14	5.44	5.7
4307	4357	75	347.12	12	14.14	5.44	5.7
4357	4407	76	347.12	12	14.14	5.44	5.7
4407	4457	77	347.12	12	14.14	5.44	5.7
4457	4507	78	347.12	12	14.14	5.44	5.7
4507	4557	79	347.12	12	14.14	5.44	5.7
4557	4607	80	347.12	12	14.14	5.44	5.7
4607	4657	81	347.12	12	14.14	5.44	5.7
4657	4707	82	347.12	12	14.14	5.44	5.7
4707	4757	83	347.12	12	14.14	5.44	5.7
4757	4807	84	347.12	12	14.14	5.44	5.7
4807	4857	85	347.12	12	14.14	5.44	5.7
4857	4907	86	347.12	12	14.14	5.44	5.7
4907	4957	87	347.12	12	14.14	5.44	5.7
4957	5007	88	347.12	12	14.14	5.44	5.7
5007	5057	89	347.12	12	14.14	5.44	5.7
5057	5107	90	347.12	12	14.14	5.44	5.7
5107	5157	91	347.12	12	14.14	5.44	5.7
5157	5207	92	347.12	12	14.14	5.44	5.7
5207	5257	93	347.12	12	14.14	5.44	5.7
5257	5307	94	347.12	12	14.14	5.44	5.7
5307	5357	95	347.12	12	14.14	5.44	5.7
5357	5407	96	347.12	12	14.14	5.44	5.7
5407	5457	97	347.12	12	14.14	5.44	5.7
5457	5507	98	347.12	12	14.14	5.44	5.7
5507	5557	99	347.12	12	14.14	5.44	5.7
5557	5607	100	347.12	12	14.14	5.44	5.7

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

No. 4277

LEASE
A-1 Flett
WELL NO. A-1 120° 45' W 60° 40' E
OPERATOR
CONTRACTOR
DATE Sept. 17

SIGNATURE OF OPERATOR REPRESENTATIVE

Fred J. Bondar

SIGNATURE OF CONTRACTOR TOOL PUSHER

L. Rishchuk

2

5 19.50 12 678 4 1/2 1 1 Em 800 2 850 18
2 Em 500 2 700 16

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1. RIG UP AND TEAR DOWN				
2. DRILL ACTUAL	7 1/4	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
3. REAMING	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
4. CORING	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
5. CONDITION AND CIRCULATE	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
6. TRIPS	2 1/4	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
7. LUBRICATE RIG	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
8. REPAIR RIG	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
9. CUT OFF DRILLING LINE	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
10. DEVIATION SURVEY	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
11. WIRE LINE LOGS	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
12. RUN CASING & CEMENT	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
13. WAIT ON CEMENT	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
14. NIPPLE UP B.C.P.	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
15. TEST B.C.P.	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
16. DRILL STEM TEST	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
17. PLUG BACK	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
18. SQUEEZE CEMENT	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
19. FISHING	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
20. DIR. WORK	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
21.	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
22.	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
23.	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
A. PERF. R/TN	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
B. FBG TRIPS	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
C. TREATING	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
D. SWABING	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
E. TESTING	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
F. ADD. W/L	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
G.	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
TOTALS	8 8 8	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
HRS. W. CONTR. D.P.	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
HRS. W. OPER. D.P.	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
HRS. W. O.D.P.	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
HRS. STANDBY	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
TOTAL DAY WORK	8 8 8	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
NO. OF DAYS FROM SPUD	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
CUMULATIVE ROTATING HRS.	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70
TOTAL MUD COST	1 1/2	STB RMR OD 347.12 FT. TYPE 11 12 1/4	TIME 12 1/2 3 1/2	WEIGHT 70 70 70

FIELD NO. 1374
COUNTY N.W.T.
WIRE LINE RECORD
1046

FOOTAGE	DR. D. RMR. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METH. RUN
3671 3742									
3681 1 1/4									
3742 1 1/2									
DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3681	1 1/4			3742	1 1/2				
TIME LOG	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
12:00	1:00	1		Drill					
1:00	1:30	1/2		Survey					
1:30	2:30	6		Drill					
2:30	8:00	1/2		Survey					

FOOTAGE	DR. D. RMR. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METH. RUN
3742 3813 D									
3802 2°									
DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3802	2°								
TIME LOG	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
8:00	10:45	2 1/4		DRILL					
10:45	11:00	1/4		R.C. SERVICE					
11:00	2:15	3 1/4		DRILL					
2:15	2:45	1/2		SURVEY					
2:45	4:00	1 1/4		DRILL					

FOOTAGE	DR. D. RMR. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METH. RUN
3813 3855 1/2									
3832 2									
DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3832	2								
TIME LOG	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
4:00	6:00	2		DRILL					
6:00	6:15	1/4		Survey					
6:15	6:30	1/4		R.C. SERVICE					
6:30	8:00	1 1/4		DRILL					
8:00	9:15	1 1/4		HOISTING FOR BIT					
9:15	10:00	1/4		Run in Hole w/ Bit No 12					
10:00	12:00	2		Reaming to Bottom					



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

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

L. C. P. *Handwritten signature*

DA 850 18
DA 200 16

1378

N. W. T.

WIRE LINE RECORD 2 REFERENCE

44

10-10-68

CUMULATIVE

TONAL OR TBA

FOOTAGE		DR. D RMLR CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT LBS.	PUMP PRESS.	PUMP MC /		PUMP NO.		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LOG PAGE NO.
3488	3547					60 15	1200	6 1/4		6 1/4		

DRILLER 

DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
		35.59	2°							
TIME LOG		ECAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
FROM	TO									
8:00	9:15	1 1/4		DRILL.						

FOOTAGE												DR. D		CORE		FORMATION		ROTARY		WT. ON		PUMP		PUMP NO.		PUMP NO.		METHO			
FROM		TO		CORE C		NO.		(SHOW CORE RECOVERY)		RPM		BIT		1000		PRESS		LINER		SIZE		S.P.M.		LINER		SIZE		S.P.M.		SO	
31.09		36.75		62								60		15		15															

4 ⁰⁰	5 ⁰⁰	1	DRILL 12 14 1801E
5 ⁰⁰	5 ¹⁵	$\frac{1}{4}$	R.C. SPRU. VBOPS
5 ¹⁵	5 ³⁰	$\frac{1}{4}$	SURVEY 00-3621
5 ³⁰	12 ⁰⁰	$6\frac{1}{2}$	DRILL

11/17/19

No 4275

DAILY DRILLING REPORT

REPORT NO.

LEASE: A-1 FLETT
 WELL NO.: A-1
 API WELL NUMBER: 120° 45' W 60° 40' E
 DATE: SEP 15 1956
 CONTRACTOR: KEEN DRILLING LTD.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

9MOCO
 5' 19.50 E 6 1/2" 4 1/2" IF. 1 1 SMSCC D. 850 14
 2 SMSCC DA. 700 16

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD			
CODE NO.	OPERATION	MORN.	EVE.	BIT	FT.	BIT NO.	FT.	BIT NO.	FT.	TIME	WEIGHT	PRESSURE GRADIENT	VISC. SEC.
1	RIG UP AND TEAR DOWN			2 SQUARE	43.65	SIZE	12 1/4	10	12 1/4	12	8.9	8.9	45
2	DRILL ACTUAL	7 1/4	1 1/4	1	7.40	FT. MFG.	SEC.	1	7.40	12	8.9	8.9	45
3	REAMING			7	215.65	FT. TYPE	54TG	1	215.65	12	8.9	8.9	45
4	CORING			3	87.82	FT. SETS 1 3/4"	14 1/4 IN	1	87.82	12	8.9	8.9	45
5	CONDITION MUD & CIRCULATE			3	87.82	FT. SER. NO.	409460	1	87.82	12	8.9	8.9	45
6	TRIPS	2 1/4	1 1/4	1	9.10	FT. DEPTH IN	3086	1	9.10	12	8.9	8.9	45
7	LUBRICATE RIG			1	9.10	TOTAL F.T.	336	1	9.10	12	8.9	8.9	45
8	REPAIR RIG			1	9.10	TOTAL HRS. RUN	3134	1	9.10	12	8.9	8.9	45
9	CUT OFF DRILLING LINE			33	300.37	FT. COND. 1 1/8" T.B. GAGE		1	300.37	12	8.9	8.9	45
10	DEVIATION SURVEY	1/4	1/4	1	30.51	FT. GPM. PD-PSI		1	30.51	12	8.9	8.9	45
11	WIRELINE LOGS			1	23.29	FT. KELLER DOWN		1	23.29	12	8.9	8.9	45
12	RUN CASING & CEMENT			1	3422.00	FT. TOTAL		1	3422.00	12	8.9	8.9	45
13	WAIT ON CEMENT			1	3422.00	FT. WT. OF STRING	36,000	1	3422.00	12	8.9	8.9	45
14	NIPPLE UP E.C.P.			1	3422.00	FT. TOTAL		1	3422.00	12	8.9	8.9	45

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD			
CODE NO.	OPERATION	MORN.	EVE.	BIT	FT.	BIT NO.	FT.	BIT NO.	FT.	TIME	WEIGHT	PRESSURE GRADIENT	VISC. SEC.
15	TEST B.O.P.			2	43.65	SIZE	12 1/4	11	12 1/4	8:00	8.9	8.9	45
16	DRILL STEW TEST			1	7.40	FT. MFG.	SEC.	1	7.40	12	8.9	8.9	45
17	PLUG BACK			7	215.65	FT. TYPE	54TG	1	215.65	12	8.9	8.9	45
18	SQUEEZE CEMENT			1	9.10	FT. DEPTH IN	3086	1	9.10	12	8.9	8.9	45
19	FISHING			3	87.82	FT. SER. NO.	409460	1	87.82	12	8.9	8.9	45
20	DIE WORK			1	9.10	TOTAL F.T.	369	1	9.10	12	8.9	8.9	45
21	other	1	1 1/4	3	87.82	FT. SER. NO.	409460	1	87.82	12	8.9	8.9	45
22				1	9.10	TOTAL HRS. RUN	36	1	9.10	12	8.9	8.9	45
23				33	300.37	FT. COND. 1 1/8" T.B. GAGE	4 1/4	1	300.37	12	8.9	8.9	45
24				2	59.79	FT. GPM. PD-PSI		1	59.79	12	8.9	8.9	45
25				1	29.00	FT. KELLER DOWN		1	29.00	12	8.9	8.9	45
26				1	3455	FT. TOTAL		1	3455	12	8.9	8.9	45
27				1	3455	FT. WT. OF STRING	138,000	1	3455	12	8.9	8.9	45

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD			
CODE NO.	OPERATION	MORN.	EVE.	BIT	FT.	BIT NO.	FT.	BIT NO.	FT.	TIME	WEIGHT	PRESSURE GRADIENT	VISC. SEC.
28				2	43.65	SIZE	12 1/4	11	12 1/4	10:00	8.9	8.9	45
29				1	7.40	FT. MFG.	SEC.	1	7.40	12	8.9	8.9	45
30				7	215.65	FT. TYPE	54TG	1	215.65	12	8.9	8.9	45
31				3	87.82	FT. SETS 1 3/4"	14 1/4 IN	1	87.82	12	8.9	8.9	45
32				1	9.10	FT. DEPTH IN	3086	1	9.10	12	8.9	8.9	45
33				3	87.82	FT. SER. NO.	409460	1	87.82	12	8.9	8.9	45
34				1	9.10	TOTAL F.T.	33	1	9.10	12	8.9	8.9	45
35				34	313.94	FT. COND. 1 1/8" T.B. GAGE		1	313.94	12	8.9	8.9	45
36				1	31	FT. GPM. PD-PSI		1	31	12	8.9	8.9	45
37				1	3498	FT. TOTAL		1	3498	12	8.9	8.9	45
38				1	3498	FT. WT. OF STRING		1	3498	12	8.9	8.9	45

FIELD NO. 134
 DATE 10/4
 TIME 11/4
 8

FOOTAGE		CORE NO.		FORMATION		ROTARY RPM		WT. ON BIT 1000'		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO
3351	3422	D						60	15	1500	6 1/4	61	6 1/4	S	

DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	3:00	3	DRILL	3:00	3:15	1/4	SURVEY @ 3378	3:15	8:00	4 1/4	DRILL	8:00	8:15	1/4	DRILL	8:15	8:30	1/4	DRILL

FOOTAGE		CORE NO.		FORMATION		ROTARY RPM		WT. ON BIT 1000'		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO
3422	3455	D						60	15	1500	6 1/4	61	6 1/4	S	

DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	10:00	2	DRILL	10:00	10:15	1/4	SURVEY @ 3430 - 1 1/4"	10:15	10:30	1/4	DRILL	10:30	10:45	2 1/4	DRILL	10:45	11:00	2 1/4	DRILL

FOOTAGE		CORE NO.		FORMATION		ROTARY RPM		WT. ON BIT 1000'		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO
3455	3480	D						60	15	1500	6 1/4	61	6 1/4	S	

DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	5:45	1 1/4	FINISH CHANGING HOSE	5:45	6:15	1 1/2	SLIP & C.T. DRILL LINE	6:15	7:15	1	RUN IN WITH BIT	7:15	7:30	1 1/4	BREAK OVER CLEAN 25' TO BIT	7:30	12:00	4 1/2	DRILL



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

No. 4274

DAILY DRILLING REPORT

REPORT NO.

LEASE 19-1 FLETT
 OPERATOR A-1
 SIGNATURE OF OPERATOR'S REPRESENTATIVE Fred J. Bender
 WELL NO. A-1
 SIGNATURE OF CONTRACTOR'S TOOL-PUSHER Fred H. Hader
 DATE 120° 45' W 60° 40' E
 CONTRACTOR KEEN DRILLING LTD
 RIG NO. 2
 D.P. SIZE 5" 19.50 E 6 3/8 4 1/2 1 1
 GRADE 19.50 E 6 3/8 4 1/2 1 1
 TOOL JOINT TYPE THREADED STRING NO. 1
 PUMP MANUFACTURER EMSCO
 PUMP NO. 2850 18
 PUMP SIZE DA 200 16

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE	OPERATION	WORM	DAY	LEVE	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
1	RIG UP AND TEAR DOWN				2	Square 43.65	10	12 1/4	8	10	2
2	DRILL ACTUAL	7 1/2	7 1/2	7 1/2	1	7.40	SEC		9	9	9
3	REAMING				7	10 6 3/4	215.65	SEC			
4	CORING				3	9"	87.82	SEC			
5	CONDITION MUD & CIRCULATE										
6	TRIPS										
7	LUBRICATE RIG										
8	REPAIR RIG										
9	CUT OFF DRILLING LINE										
10	DEVIATION SURVEY	2	4	4							
11	WIRE LINE LOGS										
12	RUN CASING & CEMENT										
13	WAIT ON CEMENT										
14	NIPPLE UP B.O.P.										
15	TEST B.O.P.										
16	DRILL STEM TEST										
17	PLUG BACK										
18	SQUEEZE CEMENT										
19	FISHING										
20	DIR. WORK										
21											
22											
23											
COMPLETION											
A	PERF'N										
B	TBG TRIPS										
C	REATING										
D	SWABBING										
E	TESTING										
F	ADDITIONAL										
G											
TOTALS				8	8	8					
DAY WORK TIME SUMMARY (OFFICE USE ONLY)											
HRS. W/CONT'D P.											
HRS. W/OPR. P.											
HRS. W/D.P.											
HRS. STANDBY											
TOTAL DAY WORK											
NO. OF DAYS FROM SPUD											
CUMULATIVE ROTATING HRS.											
TOTAL MUD COST											

FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
3123	3196	D								
73'										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
1200		130	14			DRILL				
130		145	14			SURVEY @ 3135				
145		745	10			DRILL				
745		800	14			SURVEY @ 3196				
BOILER 8 HRS.										
FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
3196	3283	D		SHALE						
60 1/2										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
800		100	500			DRILL				
100		115	14			SER. RIL & BOP CHECK				
115		130	14			SURVEY @ 3250 - 2 3/4				
130		400	2 1/2			DRILL				
DRILLER P. P. Smith										
FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
3283	3358	D		SHALE						
60 7/8										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
400		815	4 1/4			DRILL 12 1/4 HOURS				
815		830	14			SURVEY				
830		1200	3 1/2			DRILL				
DRILLER P. P. Smith										
FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
3358	3433	D		SHALE						
60 7/8										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
400		815	4 1/4			DRILL 12 1/4 HOURS				
815		830	14			SURVEY				
830		1200	3 1/2			DRILL				
DRILLER P. P. Smith										
FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
3433	3508	D		SHALE						
60 7/8										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
400		815	4 1/4			DRILL 12 1/4 HOURS				
815		830	14			SURVEY				
830		1200	3 1/2			DRILL				
DRILLER P. P. Smith										
FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
3508	3583	D		SHALE						
60 7/8										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
400		815	4 1/4			DRILL 12 1/4 HOURS				
815		830	14			SURVEY				
830		1200	3 1/2			DRILL				
DRILLER P. P. Smith										
FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
3583	3658	D		SHALE						
60 7/8										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
400		815	4 1/4			DRILL 12 1/4 HOURS				
815		830	14			SURVEY				
830		1200	3 1/2			DRILL				
DRILLER P. P. Smith										
FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
3658	3733	D		SHALE						
60 7/8										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
400		815	4 1/4			DRILL 12 1/4 HOURS				
815		830	14			SURVEY				
830		1200	3 1/2			DRILL				
DRILLER P. P. Smith										
FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
3733	3808	D		SHALE						
60 7/8										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
400		815	4 1/4			DRILL 12 1/4 HOURS				
815		830	14			SURVEY				
830		1200	3 1/2			DRILL				
DRILLER P. P. Smith										
FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
3808	3883	D		SHALE						
60 7/8										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
400		815	4 1/4			DRILL 12 1/4 HOURS				
815		830	14			SURVEY				
830		1200	3 1/2			DRILL				
DRILLER P. P. Smith										
FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
3883	3958	D		SHALE						
60 7/8										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
400		815	4 1/4			DRILL 12 1/4 HOURS				
815		830	14			SURVEY				
830		1200	3 1/2			DRILL				
DRILLER P. P. Smith										
FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
3958	4033	D		SHALE						
60 7/8										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
400		815	4 1/4			DRILL 12 1/4 HOURS				
815		830	14			SURVEY				
830		1200	3 1/2			DRILL				
DRILLER P. P. Smith										
FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
4033	4108	D		SHALE						
60 7/8										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
400		815	4 1/4			DRILL 12 1/4 HOURS				
815		830	14			SURVEY				
830		1200	3 1/2			DRILL				
DRILLER P. P. Smith										
FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
4108	4183	D		SHALE						
60 7/8										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
400		815	4 1/4			DRILL 12 1/4 HOURS				
815		830	14			SURVEY				
830		1200	3 1/2			DRILL				
DRILLER P. P. Smith										
FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
4183	4258	D		SHALE						
60 7/8										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
400		815	4 1/4			DRILL 12 1/4 HOURS				
815		830	14			SURVEY				
830		1200	3 1/2			DRILL				
DRILLER P. P. Smith										
FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
4258	4333	D		SHALE						
60 7/8										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
400		815	4 1/4			DRILL 12 1/4 HOURS				
815		830	14			SURVEY				
830		1200	3 1/2			DRILL				
DRILLER P. P. Smith										
FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
4333	4408	D		SHALE						
60 7/8										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
400		815	4 1/4			DRILL 12 1/4 HOURS				
815		830	14			SURVEY				
830		1200	3 1/2			DRILL				
DRILLER P. P. Smith										
FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
4408	4483	D		SHALE						
60 7/8										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
400		815	4 1/4			DRILL 12 1/4 HOURS				
815		830	14			SURVEY				
830		1200	3 1/2			DRILL				
DRILLER P. P. Smith										
FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
4483	4558	D		SHALE						
60 7/8										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
400		815	4 1/4			DRILL 12 1/4 HOURS				
815		830	14			SURVEY				
830		1200	3 1/2			DRILL				
DRILLER P. P. Smith										
FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	ON BIT LOG	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	SCALES PARTS COUNT
4558	4633	D		SHALE						
60 7/8										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
400		815	4 1/4			DRILL 12 1/4 HOURS				
815		830	14			SURVEY				
830		1200	3 1/2			DRILL				
DR										

No. 4273

DAILY DRILLING REPORT REPORT NO.

LEASE A-1 FLETT
 OPERATOR
 WELL NO. A-1
 AP. WELL NUMBER 120°45' W 60°40' E
 DATE SEP 13, 1964

SIGNATURE OF OPERATOR'S REPRESENTATIVE
 AMOCO
 Fred J. Bondar
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER
 KEEN OIL CO. LTD.
 Fred J. Bondar

D.B. SIZE 5
 1950 IE 6 3/4 42.1 F
 1 EMSCO
 2 EMSCO
 D 250 18
 DR 200 16

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
CODE NO. - OPERATION MORN. DAY EVE	BIT	FT.	BIT NO.	TIME
1. RIG UP AND TEAR DOWN	2 SQUARE	43.65	SIZE 12 1/4	WEIGHT 54 58
2. DRILL ACTUAL 7 1/2 6 1/2 3 1/4	1 STB	OD 7.40	FT. MFG. SEC	PRESSURE GRADIENT
3. REAMING 1 1/2	7 10 3/4	OD 215.65	FT. TYPE 54TG	VISC. SEC 55 52 54
4. CORING	3 STB	OD 27.82	FT. JETS 1 3/4" 14 14 14	PV YP
5. CONDITION MUD & CIRCULATE	3 9"	OD 87.82	FT. SER. NO. 909456	GELS
6. TRIPS	3 STB	OD 27.82	FT. DEPTH OUT	ML. CC'S 10 16
7. LUBRICATE RIG	SHOCK 9.10	DEPTH IN 2737		PH 8.0 8.0
8. REPAIR RIG	SUBS 3.21	TOTAL FTG. 267		SOLIDS
9. CUT OFF DRILLING LINE	28 STANDS DP	2946.83	CONC. 1 3/4" T.B. GAGE	MUD & CHEMICALS ADDED
10. DEVIATION SURVEY 1/2 1/2	2 L.S. UP	60.37	FT. GPM PD-PSI	TYPE AMT. TYPE AMT.
11. WIRE LINE LOGS	KELLY DOWN	31.97		CELLEX 50
12. RUN CEMENT	TOTAL	3006.00		DRASH 100
13. WAIT ON CEMENT	WT. OF STRING	128 000		VR 130 150
14. NIPPLE UP B.G.P.				Diesel 38615

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
CODE NO. - OPERATION MORN. DAY EVE	BIT	FT.	BIT NO.	TIME
15. TEST B.G.P.	2 SQUARE	43.65	SIZE 12 1/4	WEIGHT 8.80 1100 200
16. DRILL STEM TEST	1 STB	OD 7.40	FT. MFG. SEC	PRESSURE GRADIENT 88 88 88
17. PLUG BACK	7 10 3/4	OD 215.65	FT. TYPE 54TG	VISC. SEC 63 55 50
18. SQUEEZE CEMENT	3 STB	OD 27.82	FT. JETS 1 3/4" 14 14 14	PV YP
19. FISHING	3 9"	OD 87.82	FT. SER. NO. 909456	GELS
20. RIL WORK	3 STB	OD 27.82	FT. DEPTH OUT	ML. CC'S 9.8
21. OTHER	1 SHOCK 9.10	DEPTH IN 2737		PH 8.0
22	3 SUBS 3.21	TOTAL FTG. 347		SOLIDS
23	29 STANDS DP	2635.76	CONC. 1 3/4" T.B. GAGE	MUD & CHEMICALS ADDED
A. PERFORATION	2 SINGLES DP	61.83	FT. GPM PD-PSI	TYPE AMT. TYPE AMT.
B. TSG TRIPS	KELLY DOWN	2100		
C. TREATING	TOTAL	3086		
D. SWABING	WT. OF STRING	130 100		
E. TESTING				
F. ADDITION				

TOTALS		8 8 8	
DAY WORK TIME SUMMARY (OFFICE USE ONLY)			
HRS. W. CONTR. D.P.			
HRS. W. OPR. D.P.			
HRS. W. ID.P.			
HRS. STANDBY			

FOOTAGE	FORMATION	ROTARY	WT. ON BIT	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD
FROM TO	SHOW CORE RECOVERY	RPM	1000	PSI	LINEAR SIZE	SPIN. SIZE	SPIN. SIZE
2936 3006 D	60 15 135 6 1/4 60						

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG	FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
12 00 2 30 2 1/2				DRILL					
2 30 2 45 1/4				SURVEY @ 2954					
2 45 5 45 3				DRILL					
5 45 6 00 1/4				SURVEY @ 2984					

FOOTAGE	FORMATION	ROTARY	WT. ON BIT	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD
FROM TO	SHOW CORE RECOVERY	RPM	1000	PSI	LINEAR SIZE	SPIN. SIZE	SPIN. SIZE
3006 3086 Dr.	SHALE 60 15 1400 6 1/4 61						

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG	FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
8 00 9 00 1				DRILL					
9 00 9 15 1/4				CHECK LOGS & SEC. RIG					
9 15 9 30 1/4				SURVEY @ 3015 - 3°					
9 30 2 00 4 1/2				DRILL					
2 00 2 15 1/4				SURVEY @ 3070 - 2 1/4°					
2 15 3 15 1				DRILL					
3 15 4 00 3/4				TRIP					

FOOTAGE	FORMATION	ROTARY	WT. ON BIT	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD
FROM TO	SHOW CORE RECOVERY	RPM	1000	PSI	LINEAR SIZE	SPIN. SIZE	SPIN. SIZE
3086 3123 Dr.	SHALE 60 15 1400 6 1/4 60						

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG	FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
4 00 5 00 1 1/2				NO. 1					
5 30 6 15 3/4				1 BAND RAMP 1 STR. 2 BAND					
6 15 8 15 2				RUN IN @ RIG #10					
8 15 8 45 1/2				BREAK CORE CLEAN IN TO 7.5 MIN					
8 45 12 00 3 1/4				DRILL 12 1/4 HOLE					



APPROVED



APPROVED

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

No. 1272

DAILY DRILLING REPORT

REPORT NO.

LEASE A-1 FLETT WELL NO. A-1 AFF. WELL NUMBER 120° 45' W 60° 40' E DATE SEPT 12, 1964

OPER. FOR AMOCO KEEN, DRUG. LTD. SIGNATURE OF OPERATOR'S REPRESENTATIVE Fred J. Bondar SIGNATURE OF CONTRACTOR'S TOOL PUSHER Fred H. Adorin

D.P. SIZE 5' 1950 E 6" 4 1/2 IN 1 1 EMSCO D. 850 18 DA 700 16

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT
1	RIG UP AND TEAR DOWN				2 SQUARES	43.65	SIZE 12 1/4	8.8	8.7	8.7
2	DRILL ACTUAL	7:47	7:47		7 D.C. 6 3/4	215.65	TYPE 54TG	VISC-SEC 47	52	50
3	REAMING				1 D.C. 9	7.40	FT. JETS 1 3/2	14 W. 14		
4	CORING				3 D.C. 9	87.82	FT. SER. NO. 909456	GELS.		
5	CONDITION MUD & CIRCULATE				1 STB 9	9.10	FT. DEPTH OUT	WL-CC'S 9.6	10	
6	TRIPS	1 1/2	1/4		1 SHOCK	9.10	DEPTH IN	PH 8.0	8.0	
7	LUBRICATE RIG				3 SUBS	3.21	TOTAL FTG. 61	SOLIDS %		
8	REPAIR RIG						TOTAL HRS. RUN 7 1/4			
9	CUT OFF DRILLING LINE				26 STANDS DP	2407.12	COND. 1 B. T.B. GAGE	MUD & CHEMICALS ADDED		
10	DEVIATION SURVEY	1/4	3/4		1 SINGLES DP	28.67	FT. GPM PD-PSI	TYPE AMT. TYPE AMT.		
11	WIRE LINE LOGS				1 KELLY DOWN	16.38	FT.	GEL 1000 Soda Ash 100		
12	RUN CASING & CEMENT				1 TOTAL	2798.00	FT.	LINEK 4000		
13	WAIT ON CEMENT							PI 37 150		
14	NIPPLE UP B.O.P.				WT. OF STRING 128,000	LBS.		DISC L 8 BLS		

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT
1	RIG UP AND TEAR DOWN				2 SQUARES	43.65	SIZE 12 1/4	8.80	1000	100
2	DRILL ACTUAL				7 D.C. 6 3/4	215.65	TYPE 54TG	8.7	8.7	8.7
3	REAMING				1 D.C. 9	87.82	FT. JETS 1 3/2	VISC-SEC 43	40	45
4	CORING				3 D.C. 9	87.82	FT. SER. NO. 909456	PH 10.0		
5	CONDITION MUD & CIRCULATE				1 STB 9	7.40	FT. DEPTH OUT	8.0		
6	TRIPS				1 SHOCK	9.10	DEPTH IN			
7	LUBRICATE RIG				3 SUBS	3.21	TOTAL FTG. 123			
8	REPAIR RIG				1 SHOCK	9.10	TOTAL HRS. RUN 14 1/2			
9	CUT OFF DRILLING LINE				27 STANDS DP	2496.53	COND. 1 B. T.B. GAGE	MUD & CHEMICALS ADDED		
10	DEVIATION SURVEY				1 SINGLES DP	38.00	FT. GPM PD-PSI	TYPE AMT. TYPE AMT.		
11	WIRE LINE LOGS				1 KELLY DOWN	28.60	FT.	GEL 1000		
12	RUN CASING & CEMENT				1 TOTAL	2860	FT.	S. Ash 100		
13	WAIT ON CEMENT				WT. OF STRING 128,000	LBS.		GEN EX 150		

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT
1	RIG UP AND TEAR DOWN				2 SQUARES	43.65	SIZE 12 1/4	400	800	1100
2	DRILL ACTUAL				7 D.C. 6 3/4	215.65	TYPE 54TG	8.8	8.8	8.8
3	REAMING				1 D.C. 9	87.82	FT. JETS 1 3/2	VISC-SEC 60	50	55
4	CORING				3 D.C. 9	87.82	FT. SER. NO. 909456	PH 10.0		
5	CONDITION MUD & CIRCULATE				1 STB 9	7.40	FT. DEPTH OUT	8.0		
6	TRIPS				1 SHOCK	9.10	DEPTH IN			
7	LUBRICATE RIG				3 SUBS	3.21	TOTAL FTG. 199			
8	REPAIR RIG				1 SHOCK	9.10	TOTAL HRS. RUN 21 3/4			
9	CUT OFF DRILLING LINE				28 STANDS DP	2546.83	COND. 1 B. T.B. GAGE	MUD & CHEMICALS ADDED		
10	DEVIATION SURVEY				1 SINGLES DP	22	FT. GPM PD-PSI	TYPE AMT. TYPE AMT.		
11	WIRE LINE LOGS				1 KELLY DOWN	29.34	FT.	GEL 1000		
12	RUN CASING & CEMENT				1 TOTAL	2934	FT.	GEN EX 150		
13	WAIT ON CEMENT				WT. OF STRING 128,000	LBS.		SODA ASH 100		

N.W.T. 11/4 8 1046 13 3/4

FOOTAGE		DR. D. RM. R. CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
2737	2798	D								
60 12. 1350 6 3/4 60										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2773		2 3/4								
FINISH IN - (NO FILL) DRUG. SURVEY @ 2773 DRUG.										
Boiler & HPS.										

FOOTAGE		DR. D. RM. R. CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
2798	2860	DR								
60 10 1400 6 3/4 61										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2800		3								
DRILL SER. RIG & CHECK BOPS. SURVEY @ 2800' - 3° DRILL SURVEY @ 2830' - 1 1/2° DRILL BOILER STEADY SEPT 10th										

FOOTAGE		DR. D. RM. R. CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
2860	2936	D								
60 9 13 1400 6 3/4 60										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2863		3								
SURVEY 3. DRILLING SURVEY 2 7/8. DRILL SURVEY 2 1/2. DRILLING.										

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

No. 4279

DAILY DRILLING REPORT

REPORT NO.

WELL NO. API WELL NUMBER

DATE

LEASE A-1 FLETT
 OPERATOR A-1 120° 45' W 60° 40' E SEP 11, 1965
 CONTRACTOR KEEN DRILLING LTD

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

Fred J. Gordon

Fred H. Hadykin

D.P. SIZE 5" 1950 E 6 3/8 4 1/2 I.F. 1 1 FMSCO 2 FMSCO
 TYPE 2850 18
 STROKE LENGTH DA 700 16

TIME DISTRIBUTION - HOURS		NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD											
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT	VISC. SEC.	PV. YP	GELS	ML. CC'S	PH	SOLIDS %	
1	RIG UP AND TEAR DOWN				2 SQUARE	43.65	SIZE 12 1/4		8.7	8.8	8.7						
2	DRILL ACTUAL	7 1/2	7 1/2	2 1/4	10 D.C. ID 6 3/8	308.18	FT. TYPE 5516		56	55	52						
3	REAMING				1 STB RMR	7.40	FT. JETS 1 3/2"	14 1/4 12									
4	CORING				3 D.C. ID 9	87.82	FT. SER. NO. 651772							10.5	9.9		
5	CONDITION MUD & CIRCULATE				5 SUBS	7.38	DEPTH IN	2391									
6	TRIPS				24 STANDS DP	2192.06	FT. COND. 1 1/8" T 5 GAGE										
7	LUBRICATE RIG				SINGLES DP	59.84	FT. GPM. PD-PSI										
8	REPAIR RIG				KELLY DOWN	18.00	FT.										
9	CUT OFF DRILLING LINE				TOTAL	2757	FT.										
10	DEVIATION SURVEY	1/2	1/2		WT. OF STRING	1260.00	LBS.										
11	WIRE LINE LOGS																
12	RUN CASING & CEMENT																
13	WAIT ON CEMENT																
14	NIPPLE UP B.O.P.																
15	TEST B.O.P.																
16	DRILL STEM TEST																
17	PLUG BACK																
18	SQUEEZE CEMENT																
19	FISHING																
20	DIR. WORK																
21	CHARLSTON																
22																	
23																	
24																	
COMPLETION		A. PERF'TN		B. TBG TRIPS		C. TREATING		D. SWABBING		E. TESTING		F. ADDIT'N'L		G.			
TOTALS		8 8 8															
DAY WORK TIME SUMMARY (OFFICE USE ONLY)																	
HRS. W. CONTR. D.P.																	
HRS. W. OPR. D.P.																	
HRS. WD. D.P.																	
HRS. STANDBY																	
TOTAL DAY WORK																	
NO. OF DAYS FROM SPUD																	
CUMULATIVE ROTATING HRS.																	
TOTAL MUD COST																	

FOOTAGE		DR. D. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
2602	2660		17							
				60 15 1500	6 1/4	59				
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2626		1 1/2			2757					
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
FROM	TO									
12 00	4 00	1 1/2		DRILL						
4 00	4 15	1 1/4		SURVEY @ 2626						
4 15	7 30	3 1/4		DRILL						
7 30	7 45	1 1/4		SURVEY @ 2657 - MIS RUN						
7 45	8 00	1 1/4		DRILL						
				BOILER 8 HRS						
FOOTAGE		DR. D. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
2660	2725		DR							
				60 15 1500	6 1/4	60				
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2680		3 1/2			2710	3 1/2				
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
FROM	TO									
8 00	10 15	2 1/4		DRILL						
10 15	10 30	1 1/4		SER. RIG & BOP CHECK						
10 30	10 45	1 1/4		SURVEY @ 2680 - 3						
10 45	2 45	4		DRILL						
2 45	3 00	1 1/4		SURVEY @ 2710 - 3 1/2						
3 00	4 00	1		DRILL						
				DRILLER 8 HRS						
FOOTAGE		DR. D. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
2725	2737		D							
				60 15 1500	6 1/4	60				
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2737		3 1/4								
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
FROM	TO									
4 00	6 15	2 1/4		DRILLING						
6 15	6 30	1 1/4		SURVEY						
6 30	8 15	1 1/4		HOIST						
8 15	2 30	1 1/4		CHANGE BIT & PLUG RAM						
2 30	9 30	1		CHANGE STR & 4 SUBS						
9 30	10 30	1		SLIP & CUT DRILL LINE						
10 30	12 00	1 1/2		RUN IN W/ R.T. # 3						

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

No. 4270

DAILY DRILLING REPORT REPORT NO.

WELL NO. API WELL NUMBER

DATE

LEASE A-1 FLETT A-1 120° 45' W 60° 40' E SEPT 10, 1946

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

AMOCO KEEN DRILLING LTD.

5" 19.50 IE 6 3/4 4 1/2 IF 1 1 FMSSCO 850 D 8.50 18

2 EMSSCO 700 DA700 16

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT	VISC-SEC
1	RIG UP AND TEAR DOWN				STB RMR	OD	FT.	MFG.	REED		
2	DRILL ACTUAL	7 3/4	7 1/4	7 1/2	D.C. ID	43.65	FT.	TYPE	SSIC		
3	REAMING				STB RMR	OD	FT.	JETS 1 3/2"	14 14 12		
4	CORING				D.C. ID	6 3/4	OD	308.18	FT.	SER. NO.	651772
5	CONDITION MUD & CIRCULATE				STB RMR	OD	7.40	FT.	DEPTH OUT		
6	TRIPS				3	9"	87.82	FT.	DEPTH IN	2391	
7	LUBRICATE RIG				5	SUBS	738	TOTAL FTG.	107		
8	REPAIR RIG				SHOCK	9.10	TOTAL HRS. RUN	17			
9	CUT OFF DRILLING LINE				22	STANDS DP	2000.29	FT.	COND. 1 5/8" T.B. GAGE		
10	DEVIATION SURVEY	1/4	1/2	1/2	SINGLES	DP	FT.	GPM. PD-PSI			
11	WIRE LINE LOGS				KELLY DOWN	34.18	FT.				
12	RUN CASING & CEMENT				TOTAL	2498.00	FT.				
13	WAIT ON CEMENT				WT. OF STRING	123000	LBS.				
14	NIPPLE UP B.O.F.										

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT	VISC-SEC
15	TEST S.O.P.				STB RMR	OD	43.65	FT.	MFG.	REED	
16	DRILL STEM TEST				D.C. ID	6 3/4	OD	308.18	FT.	TYPE	SSIC-5
17	PLUG BACK				STB RMR	OD	7.40	FT.	JETS 1 3/2"	14 14 12	
18	SQUEEZE CEMENT				D.C. ID	9	OD	87.82	FT.	SER. NO.	651772
19	FISHING				STB RMR	OD	FT.	DEPTH OUT	17		
20	DIR. WORK				1	SHOCK	9.10	DEPTH IN	2391		
21					5	SUBS	738	TOTAL FTG.	145		
22					22	STANDS DP	2000.29	FT.	COND. 1 5/8" T.B. GAGE	DRILL	
23					SINGLES	DP	60.46	FT.	GPM. PD-PSI		
					KELLY DOWN	32.00	FT.				
					TOTAL	2556	FT.				
					WT. OF STRING	125,000	LBS.				

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT	VISC-SEC
24					2	SHOCK	43.65	SIZE	12 1/4		
25					D.C. ID	6 3/4	OD	308.18	FT.	TYPE	SSIC-5
26					STB RMR	OD	7.40	FT.	JETS 1 3/2"	14 14 12	
27					D.C. ID	9	OD	87.82	FT.	SER. NO.	651772
28					STB RMR	OD	FT.	DEPTH OUT	2391		
29					1	SHOCK	9.10	DEPTH IN	2391		
30					5	SUBS	738	TOTAL FTG.	212		
31					23	STANDS DP	2091.17	FT.	COND. 1 5/8" T.B. GAGE	DRILL	
32					SINGLES	DP	3079	FT.	GPM. PD-PSI		
33					KELLY DOWN	17	FT.				
34					TOTAL	2602	FT.				
35					WT. OF STRING	126,000	LBS.				

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

WELL LINE REVIEW

1 1/2 8

13 3/8 1046

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

FOOTAGE	DR. D. 4 1/2" CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
2451 2498 D									
47'									

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2474	2 1/4								
TIME LOG	FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
12°	4°	4			DRILL				
4°	4°	1/4			SURVEY @ 2474				
4°	8°	3 1/4			DRILL				

FOOTAGE	DR. D. 4 1/2" CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
2498 2556 DR.			SHALE						

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2500	2 1/4			2530	2 1/4				
TIME LOG	FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
8°	8°	3/4			DRILL				
8°	9°	1/4			SUR. W. L. CHECK 5" PIPE RINGS & HORIZ. @ 2500				
9°	9°	1/4			SURVEY @ 2500 2 1/4				
9°	13°	1/4			DRILL				
13°	13°	1/4			SURVEY @ 2530 - 2 1/4				
13°	4°	2 1/2			DRILL				

FOOTAGE	DR. D. 4 1/2" CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
2556 2602 D.			SHALE						

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2565	2 1/2			2595	2 1/2				
TIME LOG	FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
4°	4°	1/2			DRILLING				
4°	4°	1/2			SURVEY 2 1/2				
4°	10°	1/4			DRILLING				
10°	11°	1/4			SURVEY 2 1/8				
11°	12°	1			DRILLING				

FOOTAGE	DR. D. 4 1/2" CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
2595 2602 D.			SHALE						

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2595	2 1/2			2595	2 1/2				
TIME LOG	FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
4°	4°	1/2			DRILLING				
4°	4°	1/2			SURVEY 2 1/2				
4°	10°	1/4			DRILLING				
10°	11°	1/4			SURVEY 2 1/8				
11°	12°	1			DRILLING				

FOOTAGE	DR. D. 4 1/2" CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
2602 2602 D.			SHALE						

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2602	2 1/2			2602	2 1/2				
TIME LOG	FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
4°	4°	1/2			DRILLING				
4°	4°	1/2			SURVEY 2 1/2				
4°	10°	1/4			DRILLING				
10°	11°	1/4			SURVEY 2 1/8				
11°	12°	1			DRILLING				

BOILER 8 HRS. DRILLER

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



APPROVED



APPROVED

5"	19.50	E	6 7/8	4 2 1/2	1	1	EMSCO	DB50	18
						2	✓	DA700	16

5 45	10 00	4 1/4	DRILLING
10 00	10 15	1/4	SURVEY 2 1/4
10 15	12 00	1 3/4	DRILLING
			Boiler 6 HRS.
			DRILLER <i>L. H. [Signature]</i>

TOTALS		8		8		8	
DAY WORK TIME SUMMARY (OFFICE USE ONLY)							
HRS. W/ CONTR. D.P.							
HRS. W/ OPR. D.P.							
HRS. WO D.P.							
HRS. STANDBY							
TOTAL DAY WORK							
NO. OF DAYS FROM SPUD							
CUMULATIVE ROTATING HRS.							
TOTAL MUD COST							
2 SQUEEZE 43.45						SIZE 12 1/4	
10 D.C. ID 6 3/4 OD 308.18						FT. MFG. REED.	
3 D.C. ID 9" OD 87.22						FT. JETS 1 32" 121414	
1 SQUEEZE 7.40						FT. DEPTH OUT	
5 SQUEEZE 7.38						DEPTH IN 2391	
1 SQUEEZE 9.10						TOTAL FTG. 60	
21 STANDS DP 201109						COND. 4.8" T B GAUG	
2 SINGLES DP						FT. GPM PD-PSI	
KELLY DOWN 18						FT.	
TOTAL 24 51						FT.	
NO. OF STRIPS 123M						LBS.	
TIME 4 1/2 8 00 10 00							
WEIGHT 8.9 8.8 8.8							
PRESSURE GRADIENT							
VISC-SEC 70 58 54							
PV-VP							
GELS							
WL-CC'S 11							
PH 8							
SOLIDS %							
MUD & CHEMICALS ADDED							
TYPE						AMT.	
TYPE						AMT.	

No. 4267

DAILY DRILLING REPORT

REPORT NO.

LEASE: FLETTA
 WELL NO.: 1
 CONTRACTOR: 12" H₂ W 60 HO E
 DATE: Sept 8

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Fred J. Bondar
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Suea Hadykin

D.P. SIZE: 1450 E
 GRADE: 64 H-IF A
 TOOL JOINT: 1
 TYPE: 1
 THREAD: 1
 STRING NO.: 1
 PUMP MANUFACTURER: 1
 STROKE LENGTH: 18
 D 850
 D 200

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
CODE NO. - OPERATION - MORN. DAY EVE.	BIT	FT. BIT NO.	TIME	
1. RIG UP AND TEAR DOWN			6 AM	
2. DRILL ACTUAL	3 7/4 7 1/2	2 STB RMR OD 43.65 FT. MFG. REED	8.7	
3. PEAMING	1/2	10 D.C. ID 6 3/4 OD 308.18 FT. TYPE ST 116	99	
4. CORING		3 STB RMR OD 87.82 FT. JETS 1.32" 14 1/4 12		
5. CONDITION MUD & CIRCULATE	4	1 D.C. ID 9" OD 7.40 FT. SER. NO. 280380		
6. TRIPS	1/2	1 STB RMR OD 7.40 FT. DEPTH OUT 2198	10.2	
7. LUBRICATE RIG	1/4 1/4	1 5.5 SUB 9.10 DEPTH IN 2198	8.5	
8. REPAIR RIG		1 3/4 SUB 7.38 TOTAL FTG. 46		
9. CUT OFF DRILLING LINE		19 STANDS DP 172850 FT. COND. 1.8" T.B. GAGE		
10. DEVIATION SURVEY	1/2 1/4	1 SINGLES DP 3049 FT. GPM. PD-PSI		
11. WIRE LINE LOGS		1 KELLY DOWN 2200 FT.		
12. RUN CASING & CEMENT		TOTAL 2244 FT.		
13. WAIT ON CEMENT		WT. OF STRING 11800 LBS.		
14. NIPPLE UP B.O.P.				
15. TEST B.O.P.				
16. DRILL STEM TEST				
17. PLUG BACK				
18. SQUEEZE CEMENT				
19. FISHING				
20. DIR. WORK				
21.				
22.				
23.				

COMPLETION	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
A. PERF'RT'N				
B. TBG TRIPS				
C. TREATING				
D. SWABBING				
E. TESTING				
F. ADDIT'N'L				
G.				
TOTALS	8.88			
DAY WORK TIME SUMMARY (OFFICE USE ONLY)				
HRS. W/ CONTR. D.P.				
HRS. W/ OPR. D.P.				
HRS. W/ O.D.P.				
HRS. STANDBY				
TOTAL DAY WORK				
NO. OF DAYS FROM SPUD				
CUMULATIVE ROTATING HRS.				
TOTAL MUD COST				

COMPLETION	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
A. PERF'RT'N				
B. TBG TRIPS				
C. TREATING				
D. SWABBING				
E. TESTING				
F. ADDIT'N'L				
G.				
TOTALS	8.88			
DAY WORK TIME SUMMARY (OFFICE USE ONLY)				
HRS. W/ CONTR. D.P.				
HRS. W/ OPR. D.P.				
HRS. W/ O.D.P.				
HRS. STANDBY				
TOTAL DAY WORK				
NO. OF DAYS FROM SPUD				
CUMULATIVE ROTATING HRS.				
TOTAL MUD COST				

FIELD OR DIST: N.W.E.
 COUNTY: 13 3/4
 WIRE LINE RECORD: 1 1/2
 TONNAGE OF TRIPS SINCE LAST CUT: 1046
 CUMULATIVE TONNAGE OF TRIPS: 1046

FOOTAGE	DR. D. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM TO									
2203 2244 41									
DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2206 1									
TIME LOG	FROM TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
1200 400 4				Mix mud Build Volume					
400 430 1/2				Run IN					
430 500 1/2				Circ to Bottom					
500 800 3				Drill 12" Hole					
BOILER 8 HRS									

FOOTAGE	DR. D. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM TO									
2244 2296 1									
DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2263 1 1/4									
2293 2 1/2									
TIME LOG	FROM TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
800 1100 3				DRLG.					
1100 1115 1/4				SURVEY @ 2263					
1115 1130 1/4				SERVICE RIG.					
1130 300 3 1/2				DRLG.					
300 315 1/4				SURVEY @ 2293					
315 400 3/4				DRLG.					
BOILER 8 HRS.									

FOOTAGE	DR. D. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM TO									
2296 2348 DR.			SHALE	60	1300	6 3/4	58		
DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2320 2 1/4									
TIME LOG	FROM TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
400 730 3 1/2				DRILL					
730 745 1/4				SER. R.L. & CHECK KELLY VALVE OK.					
745 800 1/4				SURVEY @ 2320-2 1/4					
800 1200 4				DRILL					
BOILER									

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

FIELD OF DISC		COUNT	DATE	WELL LOG RECORD		FEELING
WILD CRT			NWT			
LAST CASING TURN OR LINE	13 ³ / ₈	NAME	WEIGHT	TYPE	NO. TO COIL NO.	DETAILS
						PT. CUT OFF
						TOTAL OF TRIPS SINCE LAST SET
						CUMULATIVE TON MI. OF TRIPS

FOOTAGE		DRILL RECORD CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT ON BIT 1000'	PUMP PRESS	PUMP NO. LINER SIZE S.P.M.		PUMP NO. LINER SIZE S.P.M.		METHOD RUN
FROM	TO								LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
MORNING TOUR													
2198													
DEVIATION RECORD													
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS									
FROM	TO												
12.00	5.00	5		Circ Cond hole & mud									
5.00	6.15	1 1/4		Dumny trip									
6.15	6.45	1/2		Jug Circ									
6.45	7.30	3/4		Trip Out									
7.30	8.00	1/2		Wd Rry air lines									
DRILLER J.B. [Signature]													
DAY TOUR													
2198													
DEVIATION RECORD													
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS									
FROM	TO												
8.00	8.30	1/2		SERVICE RIG.									
8.30				LAY DOWN TELEDRIFT - 2-10 3/4" D.C.S. - 1-7" DC									
				= PICK UP NEW TELEDRIFT - 1 SHOCK SUB									
				MEASURE & CALIPER & START IN HOLE									
				Hole 11' 0" 1/2"									
BOILER 8 HRS.													
DRILLER M. [Signature]													
EVENING TOUR													
2198 2203 D													
DEVIATION RECORD													
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS									
FROM	TO												
4.00	5.00	1		CHANGE STAB. RUBBER									
5.00	7.00	2		MAKE UP DRILL COLLAR'S SUBS on New Drill Stem									
7.00	8.00	1		TRIP									
8.00	9.00	1		CLEAN 80 FEET TO BOTTOM									
9.00	10.00	1		DRILLING (LOSING VOLUME)									
10.00	11.00	1		TRIP INTO CSG									
11.00	12.00	1		(Mix Mud Build Volume)									
Boiler 8 hrs.													
DRILLER L.P. [Signature]													

No. 4231

DAILY DRILLING REPORT

REPORT NO.

LEASE

F1231

WELL NO.

A-1

API WELL NUMBER

120° 45 W 60° 40 E

DATE

12/16/69

OPERATOR

AMOCO CANADA

SIGNATURE OF OPERATOR'S REPRESENTATIVE

Amoco Campbell

CONTRACTOR

KEEN

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

Fred Holopier

2

WILDCAT

NWT

WIRE LINE RECORD

124

8

D.P. SIZE 5 1950 E 6 1/4 H&I 1 1 Amoco

1750

2700

18

16

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT
1	RIG UP AND TEAR DOWN							1200 600	8.8 8.8
2	DRILL ACTUAL								
3	REAMING								
4	CORING								
5	CONDITION MUD & CIRCULATE								
6	TRIPS								
7	LUBRICATE RIG								
8	REPAIR RIG								
9	CUT OFF DRILLING LINE								
10	DEVIATION SURVEY								
11	WIRE LINE LOGS								
12	RUN CASING & CEMENT								
13	WAIT ON CEMENT								
14	NIPPLE UP B.O.P.								
15	TEST B.O.P.								
16	DRILL STEM TEST								
17	PLUG BACK								
18	SQUEEZE CEMENT								
19	FISHING	8	8						
20	DIR. WORK								
21									
22									
23									
TOTALS				8					
DAY WORK TIME SUMMARY (OFFICE USE ONLY)									
HRS. W/ CONTR. D.P.									
HRS. W/ OPR. D.P.									
HRS. W/O D.P.									
HRS. STANDBY									
TOTAL DAY WORK									
NO. OF DAYS FROM SPUD									
CUMULATIVE ROTATING HRS.									
TOTAL MUD COST									

FOOTAGE		DEPT. CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 100%		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO	DEPT.	CORE NO.	FORMATION	RECOVERY	RPM	WT. ON BIT	PUMP PRESS	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.
EQUIPMENT DAMAGED FISHING 3 BEKIT 5" DRILL PIPE W/ SURFACE JARS. 2X7" COLLARS TO BE CHECKED FROM BACK OFFSHORE TELE DRIFT TO BE RECT. 6X6 BOX. TOP SECTION OF SHOCK																	
DEVIATION RECORD SUB TO BE REPLACED, NEW SKIRT REQUIRED FOR LUFFLAND BROS OVER SHOT																	
MORNING TOUR																	
1200 1230 1/2 FISHING																	
1230 200 1/2 HOIST																	
200 300 1/4 CHECK OVERSHOT PICK UP SINGLE 484S W/ WORK BENT SINGLE																	
300 500 2 RUN IN (SLOW)																	
500 530 CIRC.																	
530 FISHING																	
2198 RUN IN W/ OVER SHOT BENT SINGLE 5" PIPE BUMPER SUB JARS.																	
DEVIATION RECORD																	
DAY TOUR																	
800 830 1/2 FISHING W/ OVERSHOT																	
830 1000 1/2 HOIST																	
1000 1230 2 1/2 REMODEL OVERSHOT																	
1230 200 1/2 RUN IN W/ OVERSHOT																	
200 230 1/2 CIRC. ON TOP OF FISH CUTT' OFF OF OVERSHOT SKIRT																	
230 330 1 FISHING																	
330 400 1/2 HOIST SLOW																	
2198 CIRC.																	
800 6 1/4 61																	
DEVIATION RECORD																	
EVENING TOUR																	
400 530 1/2 TRIP																	
530 700 1/2 BREAK DOWN FISHING TOOLS																	
700 800 1 TRIP																	
800 1200 4 CIRCULATE & CONDITION MUDS HOLE																	
RECOVERED FISH. SHOCK SUB. + 12 1/2" BIT TOP OF SHOCK SUB CUT W/ WASH OVER SHOT																	

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

OPERATOR

K E E N
SIGNATURE OF CONTRACTOR'S TOOL PUSHER

Fred H. Rice
 JUN 10 1901
 PIONEER MANUFACTURING CO.

1 Fmsco
2 "

BIT RECORD

FT. BIT. NO. 11
SIZE 12 3/4

FT. MFG.	SEE
FT. TYPE	MHN

FT.	SETS: 100	CON 11	P
FT.	SER. NO.	193778	C

[illegible]

TOTAL FTG.		
TOTAL WRS. RUN		
COND. 1 S.		

FT.	TB GAGE		
FT.	CPM 40-10		
FT.			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
BIT RECORD																																																																																																			

FT.	BIT NO.				
	SIZE				

FT.	MFG.
ET	TYPE

FT.	JET 100
FT.	SER NO.

FT.	DEPTH OUT			
	DEPTH IN			

[illegible]

FT.	COND. T.B.'s T.B. GAGE
FT.	GPM. PD-PSI

FT.			
FT.			

LBS

BUS RECORD

	<u>BY RECORD</u>
FT-61T NO.	

SIZE	
FT. MFG.	

4	FT. TYPE	
	FT. JETS	122

FT. SER. NO.	
FT. DEPTH OUT	

DEPT. IN	
TOTAL STD.	5
TOTAL LBS.	

3 FT. CONC. TB GAGE

FT.	GPM	PO	PS
FT.			

FT.			
LBS.			

A.A.O.D.C.-

[illegible]

TOUR	DEVIATION RECORD					
	TIME LOG FROM TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		

3.15 4.15 Dummy Trip 13 STD S
1.15 3.45 C.B.C.

DRILLER *[Signature]*

FROM	TO	SIZE	DATE	COMMENTS
2198	TOP FISH	2190	KB	

	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
DEVIATION RECORD						
TIME LOG	ELAPSED	TIME OF DAY	SUNLIGHT OBSERVATIONS AND REMARKS			

11-	L	L/P	CLEAN TO FISH & WASH OVER 1 - IRON
			CUTTINGS COMING OVER SHAKER & UNABLE

RAM IN WISHAE #1 1134X 4th ONE POINT 1040D WASHA RIVE
BUMPER SUB + JARS WASH OVER 1 1/2 FT. FIRST FT WENT

FROM	TO	RM-R CORE-C	NO.	(SHOW CORE RECOVERY)	RPM	1000+	PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	POST CORE
2198				FISHING				40616966				

CUR	DEVIATION			DEPTH			DEVIATION			DEPTH		
	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	DEVIATION RECORD											

7:20	5:30	1	TRIP	RAN IN w/ BOWEN 11 1/2 OVERTHS
5:20	1:00	1	W/ 9" GRADE	BUMPER SUB + TAPS

800	900	1	W.D. FISHING TOOLS
700	1230	1/4	T.O.P.

DAILY DRILLING REPORT FORM

No. 4229

DAILY DRILLING REPORT

REPORT NO.

LESS AMOCO
FLETT
Campbell
AMOCO

WELL NO. A-1 120° 45' W 60' HOE
CONTRACTOR KEEN
TOOL PUSHER

DATE Sept 19, 1969
RIG NO. 2

FIELD OR DIST. N.W.T.
LAST Casing Tubing or Liner 13 3/4
PUMP NO. 1046
PUMP NO. 1046

PIPE LINE RECORD
LINE NO. 8
LINE LENGTH

D.P. SIZE 3 1/2 WT. 1950 E GRADE 6 1/4 H.S. IE 1 PUMP NO. 1 PUMP MANUFACTURER EMSCO TYPE 10850 18 10900 16

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	BIT	FT.	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT
1	RIG UP AND TEAR DOWN								
2	DRILL ACTUAL	1	8	STB RMR OD 6 3/4	585.99	FT. TYPE SEC	4:30 6:00	8.5	8.5
3	REAMING			D.C. ID 6 3/4	585.99	FT. TYPE 1 3/2" M4N			
4	CORING			STB RMR OD 6 3/4	585.99	FT. TYPE 1 3/2" M4N			
5	CONDITION MUD & CIRCULATE			D.C. ID 6 3/4	585.99	FT. TYPE 1 3/2" M4N			
6	TRIPS	1 1/2		STB RMR OD 6 3/4	585.99	FT. TYPE 1 3/2" M4N			
7	LUBRICATE RIG								
8	REPAIR RIG								
9	CUT OFF DRILLING LINE								
10	DEVIATION SURVEY								
11	WIRE LINE LOGS								
12	RUN CASING & CEMENT								
13	WAIT ON CEMENT								
14	WIPPLE UP B.O.P.								
15	TEST B.O.P.								
16	DRILL STEM TEST								
17	PLUG BACK								
18	SQUEEZE CEMENT								
19	FISHING								
20	DIR. WORK								
21	2 1/2" Non-Air Wash Pipe								
22	2 1/2" up Bit								
23	4 Subs								
COMPLETION				NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
A	PERF'T'N								
B	TBG TRIPS								
C	TREATING								
D	SWABBING								
E	TESTING								
F	ADDIT'N'L								
G									
TOTALS				NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
DAY WORK TIME SUMMARY (OFFICE USE ONLY)									
HRS. W. CONTR. D.P.									
HRS. W. OPR. D.P.									
HRS. W. D.P.									
HRS. STANDBY									
TOTAL DAY WORK									
NO. OF DAYS FROM SPUD									
CUMULATIVE ROTATING HRS.									
TOTAL MUD COST									

FOOTAGE
FROM TO
FORMATION (SHOW CORE RECOVERY)
ROTARY RPM
WT. ON BIT 1000
PUMP PRESS
PUMP NO.
LINER SIZE
S.P.M.
LINER SIZE
S.P.M.
METHOD RUN

DEVIATION RECORD
TIME LOG
FROM TO
ELAPSED TIME
CODE NO.
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

MORNING TOUR
1200 130 1 1/2 Lay Down Wash Pipe
130 230 1 Rigs up with Bit to Clean to Top of Fish
230 400 1 1/2 Running Hole with Bit
400 800 1/4 Clean Hole From 1806 To 1876
70 FT

DAY TOUR
800 900 1 CLEAN FILL
900 930 1/2 SERVICE RIG
930 400 1 1/2 CLEAN FILL FROM 1876 TO 2030
LARGE AMOUNT OF OLD LARGE BIT CUTTING COMING OVER SHAKER WORK PIPE EVERY 5 FT OR STRING
BOILER 8 HRS. WILL HYDROLYSE HYDRAULIC

EVENING TOUR
4:00 12:00 8 Cleaning Fill From 2030 to 2151
Boiler 8 Hrs.

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

No. 4228

DAILY DRILLING REPORT

REPORT NO.

 LEASE **AMOCO TT** WELL NO. **A-1** API WELL NUMBER **120° 45' 060° 40 E** DATE **Aug 31/69**
 OPERATOR **AMOCO** CONTRACTOR **KEEN** RIG NO. **2**

 SIGNATURE OF OPERATOR **AMOCO** SIGNATURE OF CONTRACTOR'S TOOL PUSHER **KEEN**

 D.P. SIZE **5** WT. **1950** GRADE **E** TOOL AT Q.D. TYPE **4 1/4** THREAD **4 1/2** STRING **1** PUMP MANUFACTURER **EMSCO** TYPE **D 950** STROKE LENGTH **16**
2 **D 700** **16**

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT. BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT
1	RIG UP AND TEAR DOWN								
2	DRILL ACTUAL				STB RMR OD	FT. MFG.			
3	REAMING				D.C. ID	FT. TYPE			
4	CORING				STB RMR OD	FT. JETS 1 3/2"			
5	CONDITION MUD & CIRCULATE				D.C. ID	FT. SER. NO.			
6	TRIPS				STB RMR OD	FT. DEPTH OUT			
7	LUBRICATE RIG					DEPTH IN			
8	REPAIR RIG					TOTAL FTG.			
9	CUT OFF DRILLING LINE				0 STANDS DP	FT. COND. 1 1/2" T.B. GAGE			
10	DEVIATION SURVEY				SINGLES DP	FT. GPM. PD-PSI			
11	WIRE LINE LOGS				KELLY DOWN	FT.			
12	RUN CASING & CEMENT				TOTAL	FT.			
13	WAIT ON CEMENT				WT. OF STRING	LBS.			
14	NIPPLE UP B.O.P.								
15	TEST B.O.P.								
16	DRILL STEM TEST								
17	PLUG BACK								
18	SQUEEZE CEMENT				STB RMR OD	FT. MFG.			
19	FISHING				D.C. ID	FT. TYPE			
20	DIR. WORK				STB RMR OD	FT. JETS 1 3/2"			
21					D.C. ID	FT. SER. NO.			
22					STB RMR OD	FT. DEPTH OUT			
23						DEPTH IN			
	A. PERF'TN					TOTAL FTG.			
	B. TBG TRIPS					TOTAL HRS. RUN			
	C. TREATING				STANDS DP	FT. COND. 1 1/2" T.B. GAGE			
	D. SWABBING				SINGLES DP	FT. GPM. PD-PSI			
	E. TESTING				KELLY DOWN	FT.			
	F. ADDIT'L				TOTAL	FT.			
	G.				WT. OF STRING	LBS.			
TOTALS									
DAY WORK TIME SUMMARY (OFFICE USE ONLY)									
HRS. W CONTR. D.P.									
HRS. W OPR. D.P.									
HRS. W O.D.P.									
HRS. STANDBY									
TOTAL DAY WORK									
NO. OF DAYS FROM SPUD									
CUMULATIVE ROTATING HRS.									
TOTAL MUD COST									

FOOTAGE		DR. D RMR CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
1200	1245			CLEAN TO TOP 11" D.C. W/ WASH PIPE						
1245	1255			CIRC PRIOR TO HOISTING						
1255	1300			1601ST						
1300	1330			LAY DOWN TOOLS W/ WASH PIPE						
1330	1400			PICK UP D.C.						
1400	1430			RUN IN						
1430	1445			1601ST						
MORNING TOUR										
2198 RAN IN W/ SCREW IN SUB W/ CIRC PORT C/O SUB 1X 6 3/4" DC										
C/O SUB BUMPER SUB JARS + 19 6 3/4" COLLARS										
BUMP DOWN ON FISH. NO MORE MEAT DULL TO 270,000										
BUMP DOWN + WORK UP MOVE FISH UP HOLE 3 FT										
BREAK CIRC WORK FISH 40 FT										
CIRC. ON TOP OF FISH 95 FT TIGHT										
SCREW IN TO FISH HOLE THEN										
BUMP & WORK FISH LOOSE FISH CAME										
WORK OUT 2 SINGLES LOOSE										
RIGGED 3 HRS.										
RECOVERED 2x 7 1/4" COLLARS C/O SUB 3x 8 1/4" COLLARS										
DRILL STABILIZER 2x 10 3/4" COLLARS 2x 9 1/2" SUBS										
1x 1 1/4" COLLAR 1x 1 1/4" TELEDRIVER										
FISH IN HOLE 8 3/4" SHOCK SUB 12 1/2" B. H. B. H.										
WORK FISH FREE										
Trip Out (slowly) w/ chain										
Break down Fishing rig on derrick										
Move Wash Pipe IN derrick										
Stand 11" D.C. + 5' IN derrick										
Slip 33' Drill Line										
Pick up Wash Pipe + lay down										
clean off Rig Floor.										
EVENING TOUR										



APPROVED



APPROVED

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

WELL NO. API WELL NUMBER

A-1 120°45' W 60°40' E

DATE

Sept 2/69

CONTRACTOR

K.E.W.

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

Fred Madglin

SIGNATURE OF OPERATOR'S REPRESENTATIVE

A.M.O.C.O.

D.P. SIZE	WT. (LBS.)	GRADE	TOOL JOINT TYPE	THREAD	STRIKE	WELL NO.	WELL NAME	WELL TYPE	STRIKE LENGTH
5	19.50	E	6 1/4	4 1/2	1	1	120°45' W 60°40' E	2	18

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORN	DAY	EVE.	BIT	FT.	BIT NO.	TIME	12:00	2:00	
1	RIG UP AND TEAR DOWN							SIZE	8.5	8.5	
2	DRILL ACTUAL				STB RMR	OD	FT.	MFG.			
3	DRILLING				D.C. ID	OD	9308	TYPE	VISC-SEC	153	160
4	CORING				STB RMR	OD	FT.	JETS 1/32"	PV YP		
5	CONDITION MUD & CIRCULATE	3	2 1/2		D.C. ID	OD	FT.	SER. NO.	GELS		
6	TRIPS	1 1/4	2 1/2		STB RMR	OD	FT.	DEPTH OUT	W. CC'S	7.6	
7	LUBRICATE RIG							DEPTH IN	PH		
8	REPAIR RIG							TOTAL FTG.	SOLIDS %		
9	CUT OFF DRILLING LINE							TOTAL HRS. RUN			
10	DEVIATION SURVEY				STANDS DP	12	76.16	COND. 1/8" T.B. GAGE	MUD & CHEMICALS ADDED		
11	WIRE LINE LOGS				SINGLES DP	33.04	FT.	GPM PD-PSI	TYPE	AMT.	TYPE
12	RUN CASING				KELLY DOWN	26	FT.				
13	WAIT ON CEMENT				TOTAL		FT.				
14	NIPPLE UP B.O.P.				WT. OF STRING	7000	LBS.				

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORN	DAY	EVE.	BIT	FT.	BIT NO.	TIME	2	3	
15	TEST B.O.P.							SIZE	8.8	8.8	
16	DRILL STEM TEST				STB RMR	OD	FT.	MFG.			
17	PLUG BACK				D.C. ID	OD	9308	TYPE	VISC-SEC	200	
18	SQUEEZE CEMENT				STB RMR	OD	FT.	JETS 1/32"	PV YP		
19	FISHING				D.C. ID	OD	FT.	SER. NO.	GELS		
20	DIR. WORK				STB RMR	OD	FT.	DEPTH OUT	W. CC'S	6.2	
21	PICK UP WASH							DEPTH IN	PH		
22	Pipe 24							TOTAL FTG.	SOLIDS %		
23								TOTAL HRS. RUN			
	A. PERF'IN				STANDS DP	1366.68	FT.	COND. 1/8" T.B. GAGE	MUD & CHEMICALS ADDED		
	B. TBS TRIPS				SINGLES DP		FT.	GPM PD-PSI	TYPE	AMT.	TYPE
	C. TREATING				KELLY DOWN	25.00	FT.				
	D. SWABBING				TOTAL	1686.00	FT.				
	E. TESTING				WT. OF STRING	72000	LBS.				
	F. ADDIT'L										
	G.										

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORN	DAY	EVE.	BIT	FT.	BIT NO.	TIME	8.7	8.7	
24	TOTALS	8	8					SIZE	4.500	4.500	
25	DAY WORK TIME SUMMARY (OFFICE USE ONLY)				STB RMR	OD	FT.	MFG.			
26	HRS. W. CONTR. D.P.				D.C. ID	OD	9308	TYPE	VISC-SEC		
27	HRS. W. OPR. D.P.				STB RMR	OD	FT.	JETS 1/32"	PV YP		
28	HRS. W. O.P.				D.C. ID	OD	FT.	SER. NO.	GELS		
29	HRS. STANDBY				STB RMR	OD	FT.	DEPTH OUT	W. CC'S	6.8	
30								DEPTH IN	PH		
31								TOTAL FTG.	SOLIDS %		
32								TOTAL HRS. RUN			
33					STANDS DP	1306.50	FT.	COND. 1/8" T.B. GAGE	MUD & CHEMICALS ADDED		
34					SINGLES DP		FT.	GPM PD-PSI	TYPE	AMT.	TYPE
35					KELLY DOWN	23	FT.				
36					TOTAL	1686.00	FT.				
37					WT. OF STRING	72000	LBS.				

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORN	DAY	EVE.	BIT	FT.	BIT NO.	TIME	8.7	8.7	
38	TOTALS	8	8					SIZE	4.500	4.500	
39	DAY WORK TIME SUMMARY (OFFICE USE ONLY)				STB RMR	OD	FT.	MFG.			
40	HRS. W. CONTR. D.P.				D.C. ID	OD	9308	TYPE	VISC-SEC		
41	HRS. W. OPR. D.P.				STB RMR	OD	FT.	JETS 1/32"	PV YP		
42	HRS. W. O.P.				D.C. ID	OD	FT.	SER. NO.	GELS		
43	HRS. STANDBY				STB RMR	OD	FT.	DEPTH OUT	W. CC'S	6.8	
44								DEPTH IN	PH		
45								TOTAL FTG.	SOLIDS %		
46								TOTAL HRS. RUN			
47					STANDS DP	1306.50	FT.	COND. 1/8" T.B. GAGE	MUD & CHEMICALS ADDED		
48					SINGLES DP		FT.	GPM PD-PSI	TYPE	AMT.	TYPE
49					KELLY DOWN	23	FT.				
50					TOTAL	1686.00	FT.				
51					WT. OF STRING	72000	LBS.				

MORNING TOUR

DAY TOUR

EVENING TOUR

FOOTAGE		DR. D. R.M.-R. CORE NO.	CORE NO.	FORMATION		ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO			SHOW CORE RECOVERY							
2198											
DEVIATION RECORD											
TIME LOG											
FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
12:00	3	3		CIRC CLEAN out Hole							
3:00	4	1		Pick up Wash Pipe 3 MORE RINTS							
4:00	7 1/2	3 1/4		Check Wash Pipe							
7:00	8	3/4		Run in with Wash Pipe							
				Bauer 8 hrs.							

FOOTAGE		DR. D. R.M.-R. CORE NO.	CORE NO.	FORMATION		ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO			SHOW CORE RECOVERY							
2198											
DEVIATION RECORD											
TIME LOG											
FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
8:00	10:00	2		FINISH IN + CLEAN TO 1618'							
10:00	13:00	3 1/2		WASH OVER TO 1686'							
13:00	4:00	2 1/2		BRIDGE 1510 1515 CIRC HOLE CLEAN + MIX MUD							
				To 1520 TO 1618 LARGE AMOUNT OF BIG BIT CORINGS							
				NOT MUCH FILL BETWEEN BOTTOM OF STABILIZER RUBBER + BOTTOM OF FISHING NECK ON							
				Bauer 8 hrs 10 1/2" OD COLLAR							

FOOTAGE		DR. D. R.M.-R. CORE NO.	CORE NO.	FORMATION		ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO			SHOW CORE RECOVERY							
2198											
DEVIATION RECORD											
TIME LOG											
FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
4:00	5:30	1 1/2		Circ w/ Pipe							
5:30	7:00	1 1/2		2 stb Dummy trip							
7:00	8:00	1		Clean 90' to top of fish							
8:00	9:00	1		Circ. Hole clean							
9:00	10:00	1		8 stb Dummy Trip							
10:00	11:00	2		Cleaning to top of 11" D.C.							
				Bauer 8 hrs							



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

WELL NO. API WELL NUMBER

DATE

OPERATOR FLETT

A.I.

CONTRACTOR 123° 45' W 60° 40' E

SEPT 1/69

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

AMOCO CANADA

KEEN

D.P. SIZE WT. FT. GRADE

5" 19.50 E 6 1/2 4 1/2 IF 1

PUMP MANUFACTURER

Emoco

TYPE

D 850 18

WIND CAT.

13 1/2

N.W.T.

1046 1046

WIRE LINE RECORD

1 1/4 8

FT. CUT OFF

TONS. OF TRIPS SINCE LAST CUT

CUMULATIVE TONS. OF TRIPS

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	FT.	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT
1	RIG UP AND TEAR DOWN					7	2:00	400	600
2	DRILL ACTUAL					12 1/4	8.4	85	8.6
3	REAMING					322.85	45	60	95
4	CORING					12 1/4			
5	CONDITION MUD & CIRCULATE					2.39			
6	TRIPS					1 SHOCK			
7	LUBRICATE RIG					9.88			
8	REPAIR RIG					13.29			
9	CUT OFF DRILLING LINE					16.84			
10	DEVIATION SURVEY					4.1			
11	WIRE LINE LOGS					21.95			
12	RUN CASING & CEMENT								
13	WAIT ON CEMENT								
14	NIPPLE UP B.O.P.								
15	TEST B.O.P.								
16	DRILL STEM TEST								
17	PLUG BACK								
18	SQUEEZE CEMENT								
19	FISHING								
20	DIR. WORK								
21	DRILL COLL. 13 1/2								
22									
23									
COMPLETION									
A	PERF'RT'N								
B	T&C TRIPS								
C	TREATING								
D	SWABBING								
E	TESTING								
F	ADDIT'NL								
G									
TOTALS									
DAY WORK TIME SUMMARY (OFFICE USE ONLY)									
HRS. W. CONTR. D.P.									
HRS. W. OPR. D.P.									
HRS. NO D.P.									
HRS. STANDBY									
TOTAL DAY WORK									
NO. OF DAYS FROM SPUD									
CUMULATIVE ROTATING HRS.									
TOTAL MUD COST									

FOOTAGE		DR. D R.M.R CORE C		CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO	FROM	TO						LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SCH. 5 PASTEL CON. DR.
2198													
DEVIATION RECORD													
TIME LOG		ELAPSED TIME		CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE								
FROM	TO												
1200	146	134			TRY BREAK IN PUMP OUT 3 SINGLES.								
145					BREAK CIRC. CIRC. MIX. MUD.								
800	6 1/4				CON. HOLE TOP OF FISH.								
RAN STRING SHOT BACK OFF @ 1528 S.L.M. 600 GRAINS													
W/ ONE ROUND LEFT HAND TORQUE CIRCULATION SLOW													
AT FIRST LARGE AMOUNT OF LARGE BIT CUTTINGS.													
SQUEEZED HEAVY MUD INTO TOP OF FISH													
RECOVERED AT SINGLES 5" DRILL PIPE 9/50B.													
3X6 3/4" OD COLLARS 9/50B 1X7 1/8" COLLAR													
DEVIATION RECORD													
TIME LOG		ELAPSED TIME		CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
FROM	TO												
400	1011	214			CIRC COND HOLE ABOVE FISH.								
1011	1215	2			CIRC MIXMUD COND. HOLE								
1215	111	1			CIRC COND HOLE								
111	345	2			HOLEST S.L.M. TIGHT JOINTS								
345	400				FISH IN HOLE. TOP @ 1528 S.L.M. BIT BOTTOM 1804.								
2X7 1/4" OD COLLARS, 9/50B, 3X8 3/4" COLLARS,													
DRILCO STABILIZER, 2X10 1/4" COLLARS													
FOOTAGE													
FROM	TO	FROM	TO						LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SCH. 5 PASTEL CON. DR.
2198					2 9/50B, 12 1/4" COLLAR, 12 1/4" TELIDRIET.								
DRILCO SHOCK SUB, 12 1/4" BIT.													
DEVIATION RECORD													
TIME LOG		ELAPSED TIME		CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
FROM	TO												
400	800	4			PICK UP WASH OVER PIPE JARS & BUMPER SUB								
800	1105	3 1/4			& RUN IN								
1105	1200	3/4			WASHING OVER DRILL COLLARS FROM 1528 TO 1618								
CIRC. HOLE CLEAN LARGE AMOUNT OF													
OLD BIG BIT CUTTING COMING OUT													
OF HOLE													
WAS OVER STRING SHOE #1 11 3/4" X 9 2 1/2" CLUSTERITE													
89 FT 10 3/4" WASH PIPE. 9/50B BUMPER SUB													
JARS 3X6 3/4" COLLARS													



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

No. 4225

DAILY DRILLING REPORT

REPORT NO.

LEASE
Amoco FLETT
OPERATOR

WELL NO. API WELL NUMBER

A.I. 123°45'W 60°40'E. Aug 31/64.

CONTRACTOR

KEEN.

2.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

Fred H. H. H.

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

5

LAST CASING TURNING OR LINE

13 3/8.

WIRE LINE RECORD

FT. OUT OFF

TON IN. OR TRIPS SINCE LAST CUT

CUMULATIVE TON IN. OR TRIPS

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT
1.	RIG UP AND TEAR DOWN								
2.	DRILL ACTUAL			STB RMR OD	FT.	MFG.	REED		
3.	REAMING			D.C. ID	OD 372.85	FT.	TYPE STIAG		
4.	CORING			STB ID	OD 7.39	FT.	JETS 1 3/4"	12 14 14	
5.	CONDITION MUD & CIRCULATE	3		D.C. ID	OD	FT.	SER. NO.	182826	
6.	TRIPS			STB RMR OD	FT.	DEPTH OUT			
7.	LUBRICATE RIG			STB RMR	988	DEPTH IN	2016		
8.	REPAIR RIG			SUBS.	13.29	TOTAL F.T.G.	182		
9.	CUT OFF DRILLING LINE			STANDS DP	148.40	FT.	COND. 1 3/4" T.B. GAGE		
10.	DEVIATION SURVEY			SINGLES DP		FT.	GPM. PD. PSI		
11.	WIRE LINE LOGS			KELLY DOWN	41	FT.			
12.	RUN CASING & CEMENT			TOTAL		FT.			
13.	WAIT ON CEMENT			WT. OF STRING		LBS.			
14.	NEEDLE UP & O.P.								
15.	TEST B.O.P.								
16.	DRILL STEM TEST								
17.	PLUG BACK								
18.	SQUEEZE CEMENT								
19.	FISHING								
20.	DIR. WORK								
21.	W.D. ORDERS								
22.	W.D. ORDERS								
23.	W.D. ORDERS								
COMPLETION									
A.	PERF'R'T'N								
B.	TBG TRIPS								
C.	TREATING								
D.	SWABBING								
E.	TESTING								
F.	ADJUT'N'L								
G.									
TOTALS									
DAY WORK TIME SUMMARY (OFFICE USE ONLY)									
HRS. W/CONTR. D.P.									
HRS. W/OPR. D.P.									
HRS. W/O D.P.									
HRS. STANDBY									
TOTAL DAY WORK									
NO. OF DAYS FROM SPUD									
CUMULATIVE ROTATING HRS.									
TOTAL MUD COST									

MORNING TOUR

DAY TOUR

EVENING TOUR

FOOTAGE		DR. D RMR CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.		METHOD RUN
FROM	TO			LINE SIZE	S.P.M.				LINE SIZE	S.P.M.	
2198											
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO										
1200	145	13 1/4		FINDING FREE POINT W/ BEAR TOOL							
145	200	6 1/4		W/ ON ORDERS							
RAN FREE POINT FOUND FREE POINT @ 1540											
BOTTOM OF FIRST 7/8" COLLAR @ 1530 WIRELINE											
DRILLER											
FOOTAGE		DR. D RMR CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.		METHOD RUN
FROM	TO			LINE SIZE	S.P.M.				LINE SIZE	S.P.M.	
2198											
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO										
700	100	5		W.O. ORDERS							
100	400	3		MIX MUD RAISE UIS							
WAIT ON WASH OVER PIPE											
DRILLER											
FOOTAGE		DR. D RMR CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.		METHOD RUN
FROM	TO			LINE SIZE	S.P.M.				LINE SIZE	S.P.M.	
2198											
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO										
400	1000	6		MIX MUD TO BUILD VOLUME							
1000	1200	2		BACK OFF PIPE & PICK UP KELLY							
DRILLER											

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



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No. 4224

DAILY DRILLING REPORT

REPORT NO.

LEASE

WELL NO.

API WELL NUMBER

DATE

AMOCO
OPERATOR FLETT

01. 123° 45' W 60° 40' E.

Aug. 30/60

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

Campbell

KEEN

Fred R. R. R.

D.P. SIZE WT. ST. GRADE TOOL JOINT TYPE THREAD STRING NO. PUMP NO. PUMP MANUFACTURER TYPE

1	EMSCO	850	18"
2	EMSCO	700	16"

TIME DISTRIBUTION - HOURS				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORN	DAY		BIT	FT.	BIT NO.	TIME		
1	RIG UP AND TEAR DOWN									
2	DRILL ACTUAL				STB RMR	OD	FT. MFG.	WEIGHT		
3	REAMING				D.C. ID	OD	372 85' FT. TYPE	PRESSURE GRADIENT		
4	CORING				STB RMR	OD	739' FT. JETS 1.32"	VISC. SEC.		
5	CONDITION MUD & CIRCULATE				D.C. ID	OD	FT. SER. NO.	PV VP		
6	TRIPS				STB RMR	OD	FT. DEPTH OUT	GELS.		
7	LUBRICATE RIG				STB RMR	OD	FT. DEPTH IN	ML. CC'S		
8	REPAIR RIG				STB RMR	OD	FT. TOTAL FTG.	PH		
9	CUT OFF DRILLING LINE				STB RMR	OD	FT. TOTAL HRS. RUN	SOLIDS %		
10	DEVIATION SURVEY				STB RMR	OD	FT. COND. 1.8" T.B. GAGE	MUD & CHEMICALS ADDED		
11	WIRE LINE LOGS				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
12	RUN CASING & CEMENT				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
13	WAIT ON CEMENT				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
14	NIPPLE UP B.G.P.				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
15	TEST B.O.P.				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
16	DRILL STEM TEST				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
17	PLUG BACK				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
18	SQUEEZE CEMENT				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
19	FISHING				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
20	DIR. WORK				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
21	Work on stuck pipe				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
22	Tools				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
23					STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE

TIME DISTRIBUTION - HOURS				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORN	DAY		BIT	FT.	BIT NO.	TIME		
1	RIG UP AND TEAR DOWN									
2	DRILL ACTUAL				STB RMR	OD	FT. MFG.	WEIGHT		
3	REAMING				D.C. ID	OD	372 85' FT. TYPE	PRESSURE GRADIENT		
4	CORING				STB RMR	OD	739' FT. JETS 1.32"	VISC. SEC.		
5	CONDITION MUD & CIRCULATE				D.C. ID	OD	FT. SER. NO.	PV VP		
6	TRIPS				STB RMR	OD	FT. DEPTH OUT	GELS.		
7	LUBRICATE RIG				STB RMR	OD	FT. DEPTH IN	ML. CC'S		
8	REPAIR RIG				STB RMR	OD	FT. TOTAL FTG.	PH		
9	CUT OFF DRILLING LINE				STB RMR	OD	FT. TOTAL HRS. RUN	SOLIDS %		
10	DEVIATION SURVEY				STB RMR	OD	FT. COND. 1.8" T.B. GAGE	MUD & CHEMICALS ADDED		
11	WIRE LINE LOGS				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
12	RUN CASING & CEMENT				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
13	WAIT ON CEMENT				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
14	NIPPLE UP B.G.P.				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
15	TEST B.O.P.				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
16	DRILL STEM TEST				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
17	PLUG BACK				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
18	SQUEEZE CEMENT				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
19	FISHING				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
20	DIR. WORK				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
21	Work on stuck pipe				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
22	Tools				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
23					STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE

TIME DISTRIBUTION - HOURS				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORN	DAY		BIT	FT.	BIT NO.	TIME		
1	RIG UP AND TEAR DOWN									
2	DRILL ACTUAL				STB RMR	OD	FT. MFG.	WEIGHT		
3	REAMING				D.C. ID	OD	372 85' FT. TYPE	PRESSURE GRADIENT		
4	CORING				STB RMR	OD	739' FT. JETS 1.32"	VISC. SEC.		
5	CONDITION MUD & CIRCULATE				D.C. ID	OD	FT. SER. NO.	PV VP		
6	TRIPS				STB RMR	OD	FT. DEPTH OUT	GELS.		
7	LUBRICATE RIG				STB RMR	OD	FT. DEPTH IN	ML. CC'S		
8	REPAIR RIG				STB RMR	OD	FT. TOTAL FTG.	PH		
9	CUT OFF DRILLING LINE				STB RMR	OD	FT. TOTAL HRS. RUN	SOLIDS %		
10	DEVIATION SURVEY				STB RMR	OD	FT. COND. 1.8" T.B. GAGE	MUD & CHEMICALS ADDED		
11	WIRE LINE LOGS				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
12	RUN CASING & CEMENT				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
13	WAIT ON CEMENT				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
14	NIPPLE UP B.G.P.				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
15	TEST B.O.P.				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
16	DRILL STEM TEST				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
17	PLUG BACK				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
18	SQUEEZE CEMENT				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
19	FISHING				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
20	DIR. WORK				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
21	Work on stuck pipe				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
22	Tools				STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE
23					STB RMR	OD	FT. GPM. PD-PSI	TYPE	AMT.	TYPE

MORNING TOUR

DAY TOUR

EVENING TOUR

FOOTAGE		DR. D. RW. R. CORE. C.	CORE NO.	FORMATION		ROTARY RPM	WT. ON BIT 100'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO			SHOW CORE RECOVERY							
2192											
DEVIATION RECORD											
DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
FROM	TO		Work on stuck pipe. W/ on								
1200			Fishing Tools.								
			Bridges 8 hrs.								

FOOTAGE		DR. D. RW. R. CORE. C.	CORE NO.	FORMATION		ROTARY RPM	WT. ON BIT 100'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO			SHOW CORE RECOVERY							
800	1000										
1000	1030										
1030	1200										
1200	200										
200	200										
DEVIATION RECORD											
DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
FROM	TO		W/O FISHING Tools								
800	1000		R. 6 4" JARS								
1000	1030		TAPPING STUCK PIPE								
1030	1200		W/O ORDERS								
1200	200		JARS WORK JARS								
200	200		RAN SURFACE JARS + JARED DOWN.								

FOOTAGE		DR. D. RW. R. CORE. C.	CORE NO.	FORMATION		ROTARY RPM	WT. ON BIT 100'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO			SHOW CORE RECOVERY							
2198											
DEVIATION RECORD											
DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
FROM	TO		JARS PIPE & MIX MUD								
400	1000		RIG UP SCHLUMBERGER								
1000	1200										



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

APPROVED

No. 4222

DAILY DRILLING REPORT

REPORT NO.

LEASE
FLEET 71.
WELL NO
API WELL NUMBER
DATE
AUG 23/64OPERATOR
CONTRACTOR
SIGNATURE OF OPERATOR'S REPRESENTATIVE
SIGNATURE OF CONTRACTOR'S TOOL PUSHERD.P. SIZE
WT. FT.
GRADE
TOOL IT O.D.
TYPE THREAD
STRING NO.
PUMP NO.
PUMP MANUFACTURER
TYPE
PUMP LENGTH
13 3/4

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
1	RIG UP AND TEAR DOWN										
2	DRILL ACTUAL	7:34	6		STB RMR	OD					
3	REAMING				D.C. ID	OD	322.85	FT. TYPE	STIRG	VISC.-SEC	29 29 29
4	CORING				STB RMR	OD	7.39	FT. JETS 1/32"	12 14 14	PV YP	
5	CONDITION MUD & CIRCULATE				D.C. ID	OD		FT. SER. NO.	182826	GELS	
6	TRIPS				STB RMR	OD		FT. DEPTH OUT		WL -CC'S	
7	LUBRICATE RIG				1 SHOCK	9.38	DEPTH IN	2016		pH	
8	REPAIR RIG				1 SUBS	13.29	TOTAL FTG.	102		SOLIDS %	
9	CUT OFF DRILLING LINE						TOTAL HRS. RUN	14 1/2			
10	DEVIATION SURVEY	11/4			STANDS DP	16.8414	COND. 1/8" T.B. GAGE			MUD & CHEMICALS ADDED	
11	WIRE LINE LOGS				SINGLES DP		FT. GPM PD-PSI			TYPE	AMT.
12	RUN CASING & CEMENT				KELLY DOWN	21	FT.			TYPE	AMT.
13	WAIT ON CEMENT				TOTAL	21.18	FT.			WATER	
14	NIPPLE UP B.O.P.				WT. OF STRING		LBS.				

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
15	TEST B.O.P.										
16	DRILL STEM TEST				STB RMR	OD					
17	PLUG BACK				D.C. ID	OD	322.85	FT. TYPE	STIRG	VISC.-SEC	
18	SQUEEZE CEMENT				STB RMR	OD	7.39	FT. JETS 1/32"	14 14 12	PV YP	
19	FISHING				D.C. ID	OD		FT. SER. NO.	182826	GELS	
20	DIR. WORK				STB RMR	OD		FT. DEPTH OUT		WL -CC'S	
21	DIR. WORK				1 SHOCK	9.38	DEPTH IN	2016		pH	
22	DIR. WORK				1 SUBS	13.27	TOTAL FTG.	152		SOLIDS %	
							TOTAL HRS. RUN	20 1/2			
					STANDS DP	16.54.35	COND. 1/8" T.B. GAGE			MUD & CHEMICALS ADDED	
					SINGLES DP		FT. GPM PD-PSI			TYPE	AMT.
					KELLY DOWN	6	FT.			TYPE	AMT.
					TOTAL	21.68	FT.			WATER	
					WT. OF STRING		LBS.				

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
23	DIR. WORK										
24	DIR. WORK				STB RMR	OD					
25	DIR. WORK				D.C. ID	OD	322.85	FT. TYPE	STIRG	VISC.-SEC	
26	DIR. WORK				STB RMR	OD	7.39	FT. JETS 1/32"	14 14 12	PV YP	
27	DIR. WORK				D.C. ID	OD		FT. SER. NO.	182826	GELS	
28	DIR. WORK				STB RMR	OD		FT. DEPTH OUT	2016	WL -CC'S	
29	DIR. WORK				1 SHOCK	9.98	DEPTH IN	18		pH	
30	DIR. WORK				1 SUBS	13.29	TOTAL FTG.	182		SOLIDS %	
							TOTAL HRS. RUN	22 1/4			
					STANDS DP		COND. 1/8" T.B. GAGE			MUD & CHEMICALS ADDED	
					SINGLES DP		FT. GPM PD-PSI			TYPE	AMT.
					KELLY DOWN	41	FT.			TYPE	AMT.
					TOTAL	21.98	FT.				
					WT. OF STRING		LBS.				

TOTAL DAY WORK
DAY WORK TIME SUMMARY
(OFFICE USE ONLY)
HRS. W/ CONTR. D.P.
HRS. W/ OPR. D.P.
HRS. WO D.P.
HRS. STANDBY
TOTAL DAY WORK
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL MUD COST
APPROVED
APPROVED

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
31	DIR. WORK										
32	DIR. WORK				STB RMR	OD					
33	DIR. WORK				D.C. ID	OD	322.85	FT. TYPE	STIRG	VISC.-SEC	
34	DIR. WORK				STB RMR	OD	7.39	FT. JETS 1/32"	14 14 12	PV YP	
35	DIR. WORK				D.C. ID	OD		FT. SER. NO.	182826	GELS	
36	DIR. WORK				STB RMR	OD		FT. DEPTH OUT		WL -CC'S	
37	DIR. WORK				1 SHOCK	9.38	DEPTH IN	2016		pH	
38	DIR. WORK				1 SUBS	13.29	TOTAL FTG.	102		SOLIDS %	
39	DIR. WORK						TOTAL HRS. RUN	14 1/2			
40	DIR. WORK				STANDS DP	16.8414	COND. 1/8" T.B. GAGE			MUD & CHEMICALS ADDED	
41	DIR. WORK				SINGLES DP		FT. GPM PD-PSI			TYPE	AMT.
42	DIR. WORK				KELLY DOWN	21	FT.			TYPE	AMT.
43	DIR. WORK				TOTAL	21.18	FT.			WATER	
44	DIR. WORK				WT. OF STRING		LBS.				

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
45	DIR. WORK										
46	DIR. WORK				STB RMR	OD					
47	DIR. WORK				D.C. ID	OD	322.85	FT. TYPE	STIRG	VISC.-SEC	
48	DIR. WORK				STB RMR	OD	7.39	FT. JETS 1/32"	14 14 12	PV YP	
49	DIR. WORK				D.C. ID	OD		FT. SER. NO.	182826	GELS	
50	DIR. WORK				STB RMR	OD		FT. DEPTH OUT		WL -CC'S	
51	DIR. WORK				1 SHOCK	9.38	DEPTH IN	2016		pH	
52	DIR. WORK				1 SUBS	13.27	TOTAL FTG.	152		SOLIDS %	
53	DIR. WORK						TOTAL HRS. RUN	20 1/2			
54	DIR. WORK				STANDS DP	16.54.35	COND. 1/8" T.B. GAGE			MUD & CHEMICALS ADDED	
55	DIR. WORK				SINGLES DP		FT. GPM PD-PSI			TYPE	AMT.
56	DIR. WORK				KELLY DOWN	6	FT.			TYPE	AMT.
57	DIR. WORK				TOTAL	21.68	FT.			WATER	
58	DIR. WORK				WT. OF STRING		LBS.				

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
59	DIR. WORK										
60	DIR. WORK				STB RMR	OD					
61	DIR. WORK				D.C. ID	OD	322.85	FT. TYPE	STIRG	VISC.-SEC	
62	DIR. WORK				STB RMR	OD	7.39	FT. JETS 1/32"	14 14 12	PV YP	
63	DIR. WORK				D.C. ID	OD		FT. SER. NO.	182826	GELS	
64	DIR. WORK				STB RMR	OD		FT. DEPTH OUT		WL -CC'S	
65	DIR. WORK				1 SHOCK	9.38	DEPTH IN	2016		pH	
66	DIR. WORK				1 SUBS	13.27	TOTAL FTG.	152		SOLIDS %	
67	DIR. WORK						TOTAL HRS. RUN	20 1/2			
68	DIR. WORK				STANDS DP	16.54.35	COND. 1/8" T.B. GAGE			MUD & CHEMICALS ADDED	
69	DIR. WORK				SINGLES DP		FT. GPM PD-PSI			TYPE	AMT.
70	DIR. WORK				KELLY DOWN	6	FT.			TYPE	AMT.
71	DIR. WORK				TOTAL	21.68	FT.			WATER	
72	DIR. WORK				WT. OF STRING		LBS.				

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT
73	DIR. WORK										
74	DIR. WORK				STB RMR	OD					
75	DIR. WORK				D.C. ID	OD	322.85	FT. TYPE	STIRG	VISC.-SEC	
76	DIR. WORK				STB RMR	OD	7.39	FT. JETS 1/32"	14 14 12	PV YP	
77	DIR. WORK				D.C. ID	OD		FT. SER. NO.	182826	GELS	
78	DIR. WORK				STB RMR	OD		FT. DEPTH OUT	2016	WL -CC'S	
79	DIR. WORK				1 SHOCK	9.98	DEPTH IN	18		pH	
80	DIR. WORK				1 SUBS	13.29	TOTAL FTG.	182		SOLIDS %	
81	DIR. WORK						TOTAL HRS. RUN	22 1/4			
82	DIR. WORK				STANDS DP		COND. 1/8" T.B. GAGE			MUD & CHEMICALS ADDED	
83	DIR. WORK				SINGLES DP		FT. GPM PD-PSI			TYPE	AMT.
84	DIR. WORK				KELLY DOWN	41	FT.			TYPE	AMT.
85	DIR. WORK				TOTAL	21.98	FT.				
86	DIR. WORK				WT. OF STRING		LBS.				

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

4220

DAILY DRILLING REPORT

REPORT NO.

 LEASE
 OPERATOR **FL-TR. A.I.**
 WELL NO. **A1**
 API WELL NUMBER
 CONTRACTOR **KEEN**
 DATE **Aug 27/64**

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

 D. PL. SIZE **54** WT. FT. **54** GRADE **54** TOOL JT. Q.D. TYPE THREAD **54** STRING NO. **1** PUMP NO. **1** PUMP MANUFACTURER **ETASCO** TYPE **250** STROKE LENGTH **18**

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORK	DAY	EVE.	BIT	FT.	BIT NO.	TIME	200	400	600
1	RIG UP AND TEAR DOWN										
2	DRILL ACTUAL	22	4	6 3/4	STB RMR	OD	FT. MFG.	REED	25	24	8.4
3	REAMING				D.C. ID	OD	372.85	FT. TYPE	STIAG	29	29
4	CORING				STB RMR	OD	FT. JETS 1 3/2"	15.15.15			
5	CONDITION MUD & CIRCULATE				D.C. ID	OD	FT. SER. NO.	280380			
6	TRIPS	7 1/4			STB RMR	OD	239	FT. DEPTH OUT			
7	LUBRICATE RIG	4			STB RMR	OD	9.58	DEPTH IN	12.48		
8	REPAIR RIG				SUBS	13.29	TOTAL FTG.	752			
9	CUT OFF DRILLING LINE				STANDS DP	15.22	COND. 1 1/8" T.B. GAGE	7234			
10	DEVIATION SURVEY	1/4			SINGLES DP		FT. GPM PD-PSI				
11	WIRE LINE LOGS				KELLY DOWN	35	FT.				
12	RUN CASING & CEMENT				TOTAL	2010	FT.				
13	WAIT ON CEMENT				WT. OF STRING		LBS.				

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORK	DAY	EVE.	BIT	FT.	BIT NO.	TIME	800		
14	TEST B.O.P.										
15	DRILL STEM TEST										
16	PLUG BACK										
17	SQUEEZE CEMENT				STB RMR	OD	FT. MFG.	REED	8.4		
18	FISHING				D.C. ID	OD	372.85	FT. TYPE	STIAG		
19	DIR. WORK				STB RMR	OD	FT. JETS 1 3/2"	15.15.15			
20					D.C. ID	OD	FT. SER. NO.	280380			
21					STB RMR	OD	7.39	FT. DEPTH OUT	2016		
22					STB RMR	OD	9.38	DEPTH IN	12.48		
23					SUBS	13.29	TOTAL FTG.	768			
					STANDS DP	15.22	COND. 1 1/8" T.B. GAGE	73			
					SINGLES DP		FT. GPM PD-PSI				
					KELLY DOWN	41.00	FT.				
					TOTAL	2016	FT.				
					WT. OF STRING		LBS.				

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORK	DAY	EVE.	BIT	FT.	BIT NO.	TIME	600	800	1000
24	PERF'R'T'N										
25	T.B.G. TRIPS										
26	TREATING										
27	SWABBING										
28	TESTING										
29	ADDIT'N'L										
30	G.										
TOTALS		8	8	8							
DAY WORK TIME SUMMARY (OFFICE USE ONLY)											
HRS. W/ CONTR. D.P.											
HRS. W/ OPR. D.P.											
HRS. W/ D.P.											
HRS. STANDBY											
TOTAL DAY WORK											
NO. OF DAYS FROM SPUD											
CUMULATIVE ROTATING HRS.											
TOTAL MUO COST											

SIZE	MARK	WT. LBS.	NO. JOINTS	PER	DATE TO USE NO.	SET AT	WIRE LINE RECORD	REEL NO.	WIRE LINE	WIRE LINE
13 3/8	WKK	545	32	1048						

FOOTAGE	DR. D. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	METHOD RUN
1955	2010	45							

FOOTAGE	DR. D. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	METHOD RUN
2010	2016	6							

FOOTAGE	DR. D. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	METHOD RUN
2016	2022	12							

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

WEL : 110

ADP WEI : NUMER

53-471

41.

CONTRACTORS

Aug 26/69.

SIGNATURE OF OFFEROR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	W1. P1.	GRADE	TOOL JO. OLD.	TYPE	THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	TEST
5"				IF		1		EMSLD.	850	13

LAST
CASING
TUBING 13 3/8

NWT

WIRE LINE RECORD 3611

TECHNICAL TRIP

CUMULATIVE

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC - SEC.
1.	RIG UP AND TEAR DOWN				STB RMR	OD	FT.	12 1/2		1700	400	700.
2.	DRILL ACTUAL	7 1/2	7 1/2	7 1/4	D.C. ID	OD	37285	FT.	TYPE	8.4	24	8.4
3.	REAMING				STB RMR	OD	7.39	FT.	JETS 1-32"	29	29	29
4.	CORING				D.C. ID	OD		FT.	SER. NO.			
5.	CONDITION MUD & CIRCULAR				STB RMR	OD		FT.	DEPTH OUT			
6.	TRIPS				STB RMR	OD		FT.	DEPTH IN			
7.	LUBRICATE RIG				STB RMR	OD		FT.	TOTAL FTG.			
8.	REPAIR RIG				STB RMR	OD		FT.	TOTAL HRS. RUN			
9.	CUT OFF DRILLING LINE				STB RMR	OD		FT.	COND. 1/8" T.B. GAGE			
10.	DEVIATION SURVEY				STB RMR	OD		FT.	CPM PD-PSI			
11.	WIRE LINE LOGS				STB RMR	OD		FT.				
12.	RUN CASING & CEMENT				STB RMR	OD		FT.				
13.	WAIT ON CEMENT				STB RMR	OD		FT.				
					STANDS OF	1302	FT.					
					SINGLES	DP	FT.					
					KELLY DOWN		FT.					
					TOTAL		FT.					
					WT. OF STRING		LBS.					

ORNING TOUR

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THE UNIVERSITY OF CHICAGO

1. The first step is to identify the problem or question that needs to be addressed. This involves understanding the context and the specific requirements of the task.

[illegible][illegible]

FOOTAGE		DR. D TMR CORE C	DEV. NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
1880	1955	D 75'			63	20	1100	6 3/4	60			
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION		
		1897	1°									
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
FROM	TO											
4 ¹⁵	5 ¹⁵	1 1/4		DRLLG. 12 1/4" HOLE								
5 ¹⁵	5 ³⁰	1/4		SURVEY								
5 ³⁰	12 ⁰⁰	6 1/2		DRLLG.								

74. NIPPLE UP B.O.P.		NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
15. TEST B.O.P.						BIT NO. 2		TIME		8.00 12.00 2.00	
16. DRILL STEM TEST		BIT		FT.		SIZE 12 1/4		WEIGHT		8.4 8.4 8.4	
17. PLUG BACK		STB RMR CD		FT. MFG.		Recd		PRESSURE GRADIENT			
18. SQUEEZE CEMENT		D.C ID		OD 372.8		FT. TYPE STAG		VISC-SEC			
19. FISHING		STB RMR OD		2.39		FT. JET 1.32"		PV. VP		/ / /	
20. DIR. WORK		D.C ID		OD		SER. NO. 240380		GELS		/ / /	
21.		STB RMR OD		FT.		DEPTH CUT		WL -CC'S		WATER	
22.		SHOCK		9.38		DEPTH IN 1248		PH			
23.		S.B 13		2.9		TOTAL FTG. 634		SOLIDS %			
A. PERF'R'T'N						TOTAL HRS RUN 57 1/2					
B. TBG TRIPS						COND. T.B'S T.B. GAGE					
C. TREATING		STANDS DP		FT.		GPM PD-PSI		MUD & CHEMICALS ADDED			
D. SWABBING		SINGLES DP		1453.4				TYPE AMT. TYPE AMT.			
E. TESTING		KELLY DOWN		24				Water			
F. ADDIT'NL		TOTAL		1880							

[illegible]

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

APPROVED

APPROVED

No. 4218

DAILY DRILLING REPORT

REPORT NO.

LEASE

WELL NO.

API WELL NUMBER

DATE

Flett A-1

CONTRACTOR

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE 5" WT. FT. 2 GRADE I F TOOL JT C.D. TYPE THROD 1 PUMP NO. 2 EmSCO TYPE 850 18" STROKE 200 16"

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	SIT	FT.	BIT NO.	TIME	
1	RIG UP AND TEAR DOWN								
2	DRILLING	7:42	7:42	7:42					
3	REAMING								
4	CORING								
5	CONDITION MUD & CIRCULATE								
6	TRIPS								
7	LUBRICATE RIG	14	4						
8	REPAIR RIG								
9	CUT OFF DRILLING LINE								
10	DEVIATION SURVEY	14	4	4					
11	WIRE LINE LOGS								
12	RUN CASING & CEMENT								
13	WAIT ON CEMENT								
14	NIPPLE UP B.O.P.								
15	TEST B.O.P.	114							
16	DRILL STEM TEST								
17	PLUG BACK								
18	SQUEEZE CEMENT								
19	FISHING								
20	DIR. WORK								
21									
22									
23									

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	SIT	FT.	BIT NO.	TIME	
1	RIG UP AND TEAR DOWN								
2	DRILLING	7:42	7:42	7:42					
3	REAMING								
4	CORING								
5	CONDITION MUD & CIRCULATE								
6	TRIPS								
7	LUBRICATE RIG	14	4						
8	REPAIR RIG								
9	CUT OFF DRILLING LINE								
10	DEVIATION SURVEY	14	4	4					
11	WIRE LINE LOGS								
12	RUN CASING & CEMENT								
13	WAIT ON CEMENT								
14	NIPPLE UP B.O.P.								
15	TEST B.O.P.	114							
16	DRILL STEM TEST								
17	PLUG BACK								
18	SQUEEZE CEMENT								
19	FISHING								
20	DIR. WORK								
21									
22									
23									

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	SIT	FT.	BIT NO.	TIME	
1	RIG UP AND TEAR DOWN								
2	DRILLING	7:42	7:42	7:42					
3	REAMING								
4	CORING								
5	CONDITION MUD & CIRCULATE								
6	TRIPS								
7	LUBRICATE RIG	14	4						
8	REPAIR RIG								
9	CUT OFF DRILLING LINE								
10	DEVIATION SURVEY	14	4	4					
11	WIRE LINE LOGS								
12	RUN CASING & CEMENT								
13	WAIT ON CEMENT								
14	NIPPLE UP B.O.P.								
15	TEST B.O.P.	114							
16	DRILL STEM TEST								
17	PLUG BACK								
18	SQUEEZE CEMENT								
19	FISHING								
20	DIR. WORK								
21									
22									
23									

FOOTAGE		DR. D. R. CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
1398	1468	70			65	120	1100	65	64	
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
12:00		1:45	13/4			Drill				
1:45		2:00	1/4			Line Survey				
2:00		8:00	6			Drill				

FOOTAGE		DR. D. R. CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
1448	1585	117			65	120	1100	134	65	
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
2:00		2:30	2			RIG SERVICE - W. ROPS.				
2:30		1:00	43/4			DRILLING - 12 1/4" HOLE				
1:00		1:12	1/4			SURVEY				
1:15		4:00	23/4			DRILLING				

FOOTAGE		DR. D. R. CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
1585	1662	77			63	200	1100	67	60	
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
4:00		4:15	3/4			DRILL 12 1/4" HOLE				
4:15		5:00	1/4			RIG SERV. 13 OPS				
5:00		8:00	3			DRILL				
8:00		8:15	1/4			SURVEY @ 1625				
8:15		12:00	3 3/4			DRILL 12 1/4" HOLE				

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

No. 4217

DAILY DRILLING REPORT

REPORT NO.

LEASE		WELL NO.		API WELL NUMBER		DATE	
Flett A-1		A1				Aug 24	
OPERATOR		CONTRACTOR		FIELD NO.		COUNTY	
Amoco		Keen Drilling		1		N.W.T.	
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		SIZE		NAME	
Mark Anderson		L. P. Anderson		13 3/8		K.H. N 80 32 1046	
D.P. SIZE		WT. FT.		GRADE		TOOL JOINT TYPE	
5"		19.50		L		I.F.	
PUMP NO.		PUMP MANUFACTURER		TYPE		SERIAL NO.	
1		Emeco		850		18"	
TIME DISTRIBUTION - HOURS		NO.		DRILLING ASSEMBLY		BIT RECORD	
CODE NO. - OPERATION		NO.		DRILLING ASSEMBLY		BIT RECORD	
1. RIG UP AND TEAR DOWN		12		D.C. ID 372.35		D.C. ID 372.35	
2. DRILL ACTUAL		12		D.C. ID 372.35		D.C. ID 372.35	
3. REAMING		12		D.C. ID 372.35		D.C. ID 372.35	
4. CORING		12		D.C. ID 372.35		D.C. ID 372.35	
5. CONDITION MUD & CIRCULATE		12		D.C. ID 372.35		D.C. ID 372.35	
6. TRIPS		12		D.C. ID 372.35		D.C. ID 372.35	
7. LUBRICATE RIG		12		D.C. ID 372.35		D.C. ID 372.35	
8. REPAIR RIG		12		D.C. ID 372.35		D.C. ID 372.35	
9. CUT OFF DRILLING LINE		12		D.C. ID 372.35		D.C. ID 372.35	
10. DEVIATION SURVEY		12		D.C. ID 372.35		D.C. ID 372.35	
11. WIRE LINE LOGS		12		D.C. ID 372.35		D.C. ID 372.35	
12. RUN CASING & CEMENT		12		D.C. ID 372.35		D.C. ID 372.35	
13. WAIT ON CEMENT		12		D.C. ID 372.35		D.C. ID 372.35	
14. NIPPLE UP B.O.P.		12		D.C. ID 372.35		D.C. ID 372.35	
15. TEST B.O.P.		12		D.C. ID 372.35		D.C. ID 372.35	
16. DRILL STEM TEST		12		D.C. ID 372.35		D.C. ID 372.35	
17. PLUG BACK		12		D.C. ID 372.35		D.C. ID 372.35	
18. SQUEEZE CEMENT		12		D.C. ID 372.35		D.C. ID 372.35	
19. FISHING		12		D.C. ID 372.35		D.C. ID 372.35	
20. DIR. WORK		12		D.C. ID 372.35		D.C. ID 372.35	
21.		12		D.C. ID 372.35		D.C. ID 372.35	
22.		12		D.C. ID 372.35		D.C. ID 372.35	
23.		12		D.C. ID 372.35		D.C. ID 372.35	
A. PERF'N'TN		12		D.C. ID 372.35		D.C. ID 372.35	
B. TSG TRIPS		12		D.C. ID 372.35		D.C. ID 372.35	
C. TREATING		12		D.C. ID 372.35		D.C. ID 372.35	
D. SNAEBING		12		D.C. ID 372.35		D.C. ID 372.35	
E. TESTING		12		D.C. ID 372.35		D.C. ID 372.35	
F. ADDIT'N'L		12		D.C. ID 372.35		D.C. ID 372.35	
G.		12		D.C. ID 372.35		D.C. ID 372.35	
TOTALS		12		D.C. ID 372.35		D.C. ID 372.35	
DAY WORK TIME SUMMARY		12		D.C. ID 372.35		D.C. ID 372.35	
HRS. W. CONTR. D.P.		12		D.C. ID 372.35		D.C. ID 372.35	
HRS. W. OPER. D.P.		12		D.C. ID 372.35		D.C. ID 372.35	
HRS. W. D.P.		12		D.C. ID 372.35		D.C. ID 372.35	
HRS. STANDBY		12		D.C. ID 372.35		D.C. ID 372.35	
TOTAL DAY WORK		12		D.C. ID 372.35		D.C. ID 372.35	
NO. OF DAYS FROM START		12		D.C. ID 372.35		D.C. ID 372.35	
CUMULATIVE ROTATING HRS.		12		D.C. ID 372.35		D.C. ID 372.35	
TOTAL MUD COST		12		D.C. ID 372.35		D.C. ID 372.35	

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

No. 4215

DAILY DRILLING REPORT

REPORT NO.

 LEASE **FLETT A-1** WELL NO. **A-1** API WELL NUMBER **A-1** DATE **Aug-22-69**
 OPERATOR **FLETT A-1** CONTRACTOR **KEEN Drilling Ltd.**

 SIGNATURE OF OPERATOR'S REPRESENTATIVE **[Signature]** SIGNATURE OF CONTRACTOR'S TOOL PUSHER **[Signature]**

 D. **5"** TYPE **I.F.** STRING NO. **1** PUMP NO. **850** PUMP MANUFACTURER **EMCO** TYPE **18** STROKE LENGTH **16**

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORN	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
1	RIG UP AND TEAR DOWN				STB. RMP	OD	FT. MFG.	12 1/4	WEIGHT
2	DRILL ACTUAL	1 1/2			D.C. ID	OD	FT. TYPE	STAB	PRESSURE GRADIENT
3	REAMING				STB. RMP	OD	FT. JETS 1-32"	15 15 15	VISC. SEC.
4	CORRECTION				D.C. ID	OD	FT. SER. NO.		PV. YP
5	CONNECTION AND CIRCULATE				STB. RMP	OD	FT. DEPTH OUT		GELS.
6	TRIPS	4 3/4					DEPTH IN		ML. CC'S
7	LUBRICATE RIG						TOTAL FTG.		SOLIDS %
8	REPAIR RIG				STANDS DP	FT.	COND. 1-8" T.B. GAGE		
9	CUT OFF DRILLING LINE				SINGLES DP	FT.	GPM. PD-PSI		
10	DEVIATION SURVEY				KELLY DOWN	FT.			
11	WIRE LINE LOGS				TOTAL	FT.			
12	RUN CASING & CEMENT				WT. OF STRING	LBS.			
13	WAIT ON CEMENT								
14	NIPPLE UP B.O.P.	7	3/4						

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORN	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
15	TEST B.O.P.	1/2	1		STB. RMP	OD	FT. MFG.	12 1/4	WEIGHT
16	DRILL STEM TEST				D.C. ID	OD	FT. TYPE	STAB	PRESSURE GRADIENT
17	PLUG BACK				STB. RMP	OD	FT. JETS 1-32"	15 15 15	VISC. SEC.
18	SQUEEZE CEMENT				D.C. ID	OD	FT. SER. NO.	132260	PV. YP
19	FISHING				STB. RMP	OD	FT. DEPTH OUT		GELS.
20	DIR. WORK						DEPTH IN	1046	ML. CC'S
21	OTHER	1/2					TOTAL FTG.		SOLIDS %
22	WELL D.P.	4 3/4	1		STANDS DP	FT.	COND. 1-8" T.B. GAGE		
23					SINGLES DP	FT.	GPM. PD-PSI		
24					KELLY DOWN	FT.			
25					TOTAL	FT.			
26					WT. OF STRING	LBS.			

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	WORN	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
27	TOTALS	8 3/4			STB. RMP	OD	FT. MFG.	12 1/4	WEIGHT
28	DAY WORK TIME SUMMARY (OFFICE USE ONLY)				D.C. ID	OD	FT. TYPE	STAB	PRESSURE GRADIENT
29	HRS. S. CONER. D.P.	8 3/4			STB. RMP	OD	FT. JETS 1-32"	3 1/5	VISC. SEC.
30	HRS. W. OPR. D.P.				D.C. ID	OD	FT. SER. NO.	132260	PV. YP
31	HRS. NO. D.P.				STB. RMP	OD	FT. DEPTH OUT		GELS.
32	HRS. STANDBY						DEPTH IN	1046	ML. CC'S
33							TOTAL FTG.	39	SOLIDS %
34					STANDS DP	FT.	COND. 1-8" T.B. GAGE		
35					SINGLES DP	FT.	GPM. PD-PSI		
36					KELLY DOWN	FT.			
37					TOTAL	FT.			
38					WT. OF STRING	LBS.			

FOOTAGE				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
FROM	TO	DR. D. RMP. CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT	PUMP PRESS	PUMP NO.	PUMP NO.
13 1/2	4 00								
4 00	7 00								
7 00	8 20								
8 20	8 00								

FOOTAGE				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
FROM	TO	DR. D. RMP. CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT	PUMP PRESS	PUMP NO.	PUMP NO.
10 46	10 47								
10 47	10 47								
10 47	10 47								

FOOTAGE				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
FROM	TO	DR. D. RMP. CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT	PUMP PRESS	PUMP NO.	PUMP NO.
10 47	10 47								
10 47	10 47								
10 47	10 47								

FOOTAGE				NO. DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
FROM	TO	DR. D. RMP. CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT	PUMP PRESS	PUMP NO.	PUMP NO.
10 47	10 47								
10 47	10 47								
10 47	10 47								

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

No. 4214

DAILY DRILLING REPORT REPORT NO.

LEASE Flett A-1 WELL NO A-1 AFI WELL NUMBER DATE Aug 21/68
OPERATOR Flett A-1 CONTRACTOR Keen Drilling Ltd. 2

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE WT. FT. GRADE TOOL JOINT TYPE THREAD STRING NO. PUMP NO. PUMP MANUFACTURER TYPE CORE LENGTH

LAST CASING TUBING OR LINE

WIRE LINE RECORD REEL NO. SIZE NO. LINES TYPE SIZES
FT. CUTOFF PRESENT LENGTH
YONAL OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN	EVE.	BIT	FT.	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT
1	RIG UP AND TEAR DOWN			STB RMR	OD	FT. MFG.			
2	DRILL ACTUAL			D.C. ID	OD	FT. TYPE			
3	PEAMING			STB RMR	OD	FT. JETS 1-32"			
4	CORING			D.C. ID	OD	FT. SER. NO.			
5	CONDITION MUD & CIRCULATE			STB RMR	OD	FT. DEPTH OUT			
6	TRIPS					DEPTH IN			
7	LUBRICATE RIG					TOTAL FTG.			
8	REPAIR RIG					TOTAL HRS. RUN			
9	CUT OFF DRILLING LINE			STANDS DP	FT.	COND. 1.8% T.B. GAGE			
10	DEVIATION SURVEY			SINGLES DP	FT.	GPM/ PD-PSI			
11	WIRE LINE LOGS			KELLY DOWN	FT.				
12	RUN CASING & CEMENT			TOTAL	FT.				
13	WAIT ON CEMENT			WT. OF STRING	LBS.				
14	NIPPLE UP B.O.P.	8	8-4						
15	TEST B.O.P.								
16	DRILL STEM TEST								
17	PLUG BACK								
18	SQUEEZE CEMENT								
19	FISHING								
20	DIR. WORK								
21	CHK 1-2								
22	Rams		4						
23									
COMPLETION				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
A	PERF'RTN			BIT	FT.	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT
B	T.B.G. TRIPS			STB RMR	OD	FT. MFG.			
C	TREATING			D.C. ID	OD	FT. TYPE			
D	SWABING			STB RMR	OD	FT. JETS 1-32"			
E	TESTING			D.C. ID	OD	FT. SER. NO.			
F	ADDT'NL			STB RMR	OD	FT. DEPTH OUT			
G						DEPTH IN			
TOTALS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
DAY WORK TIME SUMMARY (OFFICE USE ONLY)				BIT	FT.	BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT
HRS. W. CONTR. D.P.				STB RMR	OD	FT. MFG.			
HRS. W. OPR. D.P.				D.C. ID	OD	FT. TYPE			
HRS. W. O.D.P.				STB RMR	OD	FT. JETS 1-32"			
HRS. STANDBY				D.C. ID	OD	FT. SER. NO.			
				STB RMR	OD	FT. DEPTH OUT			
						DEPTH IN			
						TOTAL FTG.			
						TOTAL HRS. RUN			
				STANDS DP	FT.	COND. 1.8% T.B. GAGE			
				SINGLES DP	FT.	GPM/ PD-PSI			
				KELLY DOWN	FT.				
				TOTAL	FT.				
				WT. OF STRING	LBS.				
NO. OF DAYS FROM SPUD				NO. OF DAYS FROM SPUD		NO. OF DAYS FROM SPUD		NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.				CUMULATIVE ROTATING HRS.		CUMULATIVE ROTATING HRS.		CUMULATIVE ROTATING HRS.	
TOTAL MUD COST				TOTAL MUD COST		TOTAL MUD COST		TOTAL MUD COST	

MORNING TOUR

DAY TOUR

EVENING TOUR

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN	
FROM	TO							LINE SIZE	S.P.M.	LINE SIZE	S.P.M.
DEVIATION RECORD											
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO										
12:00	2:00	2		Weld ON Cpg Bowl							
2:00	6:00	4		Heading Up							
6:00	8:00	2		Break Hydril Change Rubber							
FOOTAGE											
FROM	TO	DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN	
								LINE SIZE	S.P.M.	LINE SIZE	S.P.M.
DEVIATION RECORD											
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO										
8:00	10:00			IN STALL NEW Hydril RUBBER							
10:00	4:00			HEAD UP BOPS							
FOOTAGE											
FROM	TO	DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN	
								LINE SIZE	S.P.M.	LINE SIZE	S.P.M.
DEVIATION RECORD											
TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
FROM	TO										
4:00	8:00	4		Nipple up							
8:00	12:00	4		Change B.L. up Rams Check 7-16 Rams							



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

PAN AMERICAN PETROLEUM CORPORATION

PIPE TALLY AND CEMENTING RECORD

LEASE FLETT A-1 WELL NO. A-1 DATE August 18 1969
 PIPE RUN, SIZE 13 3/8 WEIGHT 54.5 GRADE N-80 TYPE JOINT STAC MAKE NKK JAP NO. FT. _____
 PIPE RUN, SIZE _____ WEIGHT _____ GRADE _____ TYPE JOINT _____ MAKE _____ NO. FT. _____

NO.	LENGTH OF JOINT		NO.	LENGTH OF JOINT		NO.	LENGTH OF JOINT		NO.	LENGTH OF JOINT		NO.	LENGTH OF JOINT		TALLY OF JOINTS NOT RUN	
	FEET	IN.		FEET	IN.		FEET	IN.		FEET	IN.		FEET	IN.		
1	31	95	51			101			151			201			TRANSFER	1
2	33	88	52			102			152			202				
3	33	86	53			103			153			203			2	30
4	33	10	54			104			154			204			10	50
5	33	60	55			105			155			205			20	10
6	26	88	56			106			156			206			3	
7	32	48	57			107			157			207			4	
8	33	86	58			108			158			208			5	
9	33	45	59			109			159			209			6	
10	31	98	60			110			160			210			7	
11	33	91	61			111			161			211			8	
12	33	15	62			112			162			212			9	
13	31	50	63			113			163			213			10	
14	32	88	64			114			164			214			11	
15	33	85	65			115			165			215			12	
16	33	88	66			116			166			216			13	
17	32	28	67			117			167			217			14	
18	33	90	68			118			168			218			15	
19	33	87	69			119			169			219			16	
20	33	87	70			120			170			220			17	
21	33	90	71			121			171			221			18	
22	32	75	72			122			172			222			19	
23	33	55	73			123			173			223			20	
24	33	26	74			124			174			224			21	
25	33	89	75			125			175			225			22	
26	31	00	76			126			176						23	
27	32	77	77			127			177						24	
28	33	90	78			128			178						50 60	
29	33	95	79			129			179						NO. JOINTS DELIVERED (33) 1085.42	
30	33	85	80			130			180						NO. JOINTS RUN (32) 1034.82	
31	33	89	81			131			181						FLOAT Shoe Collar 3.27	
32	30	08	82			132			182						TOTAL RUN - OVERALL 1038.09	
X 33	50		83			133			183						OFF FOR THREADS 8.62	
34			84			134			184						TOTAL - THREADS OFF 1028.47	
35			85			135			185						TOP PIPE BELOW: 17.53	
36			86			136			186						☐ ROTARY DRIVE BUSHING	
37			87			137			187						☐ DERRICK FLOOR	
38			88			138			188						DEPTH LANDED K.B 1046	
39			89			139			189						CEMENT - MAKE NEAT DUEWELL	
40			90			140			190						KIND USED BULK PLUS 2% C	
41			91			141			191						NO. SACKS 100	
42			92			142			192						METHOD 2 plug.	
43			93			143			193						REMARKS.	
44			94			144			194						RAN 32 jts. - 13 3/8 54.5W	
45			95			145			195						NKK JAP N-80 Casing	
46			96			146			196						LANDED AT 1046 K.B	
47			97			147			197						RAN DUNCAN FLOAT Collar Guide	
48			98			148			198						SHOE PLUG RAMPED 1200	
49			99			149			199						PSE PRESSURE BLEED OFF	
50			100			150			200						FLOAT HOLDING	
															39 Bbls CEMENT RETURNS	

APPROVED _____

PAN AMERICAN REPRESENTATIVE _____

5	IF.	1	EMSCO	850	18
		2	EMSCO	700	14

FILE NO OR DIST		COUNTY	STATE <i>N.W.T.</i>		WIRE LINE RECORD		REF. NO.
DISC	MAKE	WT. LB. CR	NO. JOINTS	FACT	REEL OR CTS. NO.	SET AT 174	FT. LINES B
						FT. CUT OFF	PRESENT LENGTH
LAST JOINTING OF LINE						TON ML. CR. TRIP SINCE LAST CUT	
						CUMULATIVE TON ML. CR. - 0-00	

MORNING TOUR

FOOTAGE		DRILLER'S NAME	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT ON BIT TWO"	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN	
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.
1046											

DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
12 ⁰⁰	5 ⁰⁰	5		Run 13 3/4 C.S.C. - Rain & Wind 60-70 MPH
5 ⁰⁰	5 ³⁰	1/2		Circ. C.S.C.
5 ³⁰	6 ¹⁵	3/4		R.G TO CEMENT C.S.C.
6 ¹⁵	8 ⁰⁰	1 3/4		CEMENT C.S.C. & Displace Plug
Run 32 Jts 5H's NKK 13 3/4 Casing Total casing Run 1048.5H Landed at 1046 KB Cemented w/1000 Sbs Plug Dr. - 801 AM Next Cultural Co. at 230 Cal.				

DRILLED BY _____

[illegible][illegible]

No. 4212

DAILY DRILLING REPORT

REPORT NO.

LEASE Fleet WELL NO. 2 API WELL NUMBER 2 DATE Aug 19/69OPERATOR Amoco CONTRACTOR Keen Drilling Ltd.SIGNATURE OF OPERATOR'S REPRESENTATIVE Richard Schneider SIGNATURE OF CONTRACTOR'S TOOL PUSHER R. PinedaDEPT. I.F. WT. 1 GRADE 2 TOOL IT Amoco TYPE 850 STRING NO. 200 PUMP NO. 200 PUMP MANUFACTURER 200 TYPE 200 STROKE LENGTH 200

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	WEIGHT	PRESSURE GRADIENT	VISC. - SEC.
1	RIG UP AND TEAR DOWN	3:4	24		3TB RMR	OD	739	FT. MFG.	2006		
2	DRILL ACTUAL				D.C. ID	OD	329.75	FT. TYPE	42.5		110
3	REAMING				3TB RMR	OD		FT. SETS 1 32"	16 16 16		
4	CORING				D.C. ID	OD		FT. SER. NO.	653032		
5	CONDITION MUD & CIRCULATE				3TB RMR	OD		FT. DEPTH OUT			
6	TRIPS	3:4	1 1/4		Subs	920	DEPTH IN	720			
7	LUBRICATE RIG						TOTAL FTG.	346			
8	REPAIR RIG						TOTAL HRS. RUN	54 1/4			
9	CUT OFF DRILLING LINE				7 STANCES DP	637.93	COND. 1 1/2" T.S. GAGE	2 1/2			
10	DEVIATION SURVEY				SINGLES DPI		GPW. PD-PSI				
11	WIRE LINE LOGS				KELLY DOWN	314					
12	RUN CASING & CEMENT	1 1/2	1 1/2		TOTAL	1046					
13	WAIT ON CEMENT	3:8	1 1/4		WT. OF STRING		LBS.				
MUD & CHEMICALS ADDED											
TYPE AMT. TYPE AMT.											

14. NIPPLE UP / B.C.P.		NO.		DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
15. TEST B.C.P.		BIT		FT.		BIT NO.		TIME			
16. DRILL STEM TEST						SIZE		WEIGHT			
17. PLUG BACK		1 STB RMR		OD. 7.39		FT. MFG.		17 1/2		PRESSURE GRADIENT	
18. SQUEEZE CEMENT		D.C. ID		829.75		FT. TYPE		H 7.5		VISC. SEC.	
19. FISHING		2 STB RMR		OD.		FT. JET 1/32"		N.H.H.		PV. YP.	
20. DIR. WORK		D.C. ID		OD.		FT. SER. NO.		6-3022		GELS.	
21.		STB RMR		OD.		FT. DEPTH OUT				ML. CC'S	
22.										PH	
23.		S.A.S.		9.20		DEPTH IN		7.20		SOLIDS %	
COMPLETION		A. PERFORATION				TOTAL FTG.		346			
		B. TBG TRIPS				TOTAL HRS. RUN		54.14			
		C. TREATING		7 STANDS DP		637.93		FT. COND. 1/8" T/B GAGE		2 1/2	
		D. SWABBING		1 SINGLES DP				FT. GPM/ PD-PSI			
		E. TESTING		KELLY DOWN		31		FT.			
		F. ADDITION		TOTAL		1046		FT.			
				WT. OF STRING		0.000		LBS.			
</											

TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	EVE.	NO.	DRILLING ASSEMBLY	NO.	DRILLING ASSEMBLY	NO.	DRILLING ASSEMBLY	NO.	DRILLING ASSEMBLY
1	RIG UP AND TEAR DOWN										
2	DRILL ACTUAL										
3	REAMING										
4	CORING										
5	CONDITION MUD & CIRCULATE										
6	TRIPS										
7	LUBRICATE RIG										
8	REPAIR RIG										
9	CUT OFF DRILLING LINE										
10	DEVIATION SURVEY										
11	WIRE LINE LOGS										
12	RUN CASING & CEMENT										
13	WAIT ON CEMENT										
14	NIPPLE UP B.C.P.										
15	TEST B.C.P.										
16	DRILL STEM TEST										
17	PLUG BACK										
18	SQUEEZE CEMENT										
19	FISHING										
20	DIR. WORK										
21											
22											
COMPLETION				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
A. PERFORATION				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
B. TSB TRIPS				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
C. TREATING				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
D. SWABBING				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
E. TESTING				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
F. ADDIT'L				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
TOTAL				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
DAY WORK TIME SUMMARY (OFFICE USE ONLY)				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
HRS. W. CONTR. D.P.				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
HRS. W. OPR. D.P.				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
HRS. W. D.P.				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
HRS. STANDBY				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
WORTH SPIDER 3 8 13				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
TOTAL DAY WORK 8 8 8				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
NO. OF DAYS FROM START				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
CUMULATIVE ROTATING HRS.				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
TOTAL MUD COST				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
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				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		
				NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		

No. 4209

DAILY DRILLING REPORT

REPORT NO.

LEASE WELL NO. API WELL NUMBER DATE
 OPERATOR **A-1 FLETT 9-1** CONTRACTOR **KEEN DRUG LTD** **2** **AUG-16-1964**

SIGNATURE OF OPERATOR'S REPRESENTATIVE **AMOCO** SIGNATURE OF CONTRACTOR'S TOOL PUSHER **KEEN DRUG LTD**

5 19.50 E 6 3/8 4 1/2 1 1 EMSCD 850
 2 EMSCD 800

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	JAY	EVE.	BIT	FT.	BIT NO.	TIME	
1	RIG UP AND TEAR DOWN								
2	DRILL ACTUAL	3 3/4	7 1/2		1	739	FT. MFC.	17 1/2	17 1/2
3	REAMING	1/4			11	329.75	FT. TYPE	47-5	47-5
4	CORING				1	739	FT. JETS 1 3/2"	16 1/2	16 1/2
5	CONDITION MUD & CIRCULATE				1	739	FT. SER. NO.	656500	653022
6	TRIPS	3 3/4			1	739	FT. DEPTH OUT	720	
7	LUBRICATE RIG	1/4					DEPTH IN	720	
8	REPAIR RIG	1/4					TOTAL FTG.	47 3/4	7
9	CUT OFF DRILLING LINE	1/4					TOTAL HRS. RUN	11 1/4	3/4
10	DEVIATION SURVEY	1/4					COND. 1 1/2" T.B. GAGE	2.1	1
11	WIRE LINE LOGS						TYPE	AMT.	TYPE
12	RUN CASING & CEMENT						WT. OF STRING	75000	LBS.
13	WAIT ON CEMENT								
14	NIPPLE UP B.O.P.								
15	TEST B.O.P.								
16	DRILL STEM TEST								
17	PLUG BACK								
18	SQUEEZE CEMENT								
19	FISHING								
20	DIR. WORK								
21									
22									
23									
COMPLETION				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
A	PERF'IN								
B	TSG TRIPS								
C	TREATING								
D	SWABBING								
E	TESTING								
F	ADDITIONAL								
G									
TOTALS				8	8	8			
DAY WORK TIME SUMMARY (OFFICE USE ONLY)									
HRS. W. CONTR. D.P.				8	8	8			
HRS. W. OPR. D.P.									
HRS. W. D.P.									
HRS. STANDBY									
TOTAL DAY WORK				8	8	8			
NO. OF DAYS FROM SPUD									
CUMULATIVE ROTATING HRS.									
TOTAL MUD COST									

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO. 2	PUMP NO.	METHOD RUN
FROM	TO									
702	727	D			25	10	1200	6 1/2	65	
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
12:00		3:00	3			DRUG, 17 1/2" HOLE				
3:00		6:45	3 3/4			TRIP FOR BIT VERY WINDY				
6:45		7:00	1/4			CLEAN 10' TO BOTTOM				
7:00		7:15	1/4			SURVEY @ 720				
7:15		8:00	3/4			DRUG				
DRILLER <i>McCart</i>										
FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO. 2	PUMP NO.	METHOD RUN
727	784	D		SHALE	75	10 1/2	1200	6 1/2	65	
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
8:00		11:00	3			DRILLING				
11:00		11:15	1/4			SER. RIG				
11:15		1:15	2			DRILLING				
1:15		1:45	1/4			INSTALL NEW LINER GASKET IN D700 PUMP				
1:45		4:00	2 1/4			DRILLING				
DRILLER <i>McCart</i>										
FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO. 2	PUMP NO.	METHOD RUN
784	820	FD		SHALE	65	10 1/2	1100	6 1/2	64	
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
4:00		4:15	1/4			DRILLING				
4:15		4:30	1/4			SURVEY 1 1/2"				
4:30		5:00	1/2			DRILLING				
5:00		9:15	1/4			SURVEY 1 1/2"				
9:15		12:00	2 3/4			DRILLING				
DRILLER <i>McCart</i>										



APPROVED



APPROVED

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

No. 4210

DAILY DRILLING REPORT

REPORT NO.

LEASE
FLIETT
WELL NO. A-1
API WELL NUMBER 123045
DATE AUG 17/69
60° 40'

OPERATOR

CONTRACTOR

RIG NO.

SIGNATURE OF OPERATOR'S REPRESENTATIVE
AMOCO
Charles SchneiderSIGNATURE OF CONTRACTOR'S TOOL PUSHER
KEEN DRUG LTD
Fred MadgwickD.P. SIZE 6 3/8
WT. FT. 1
GRADE 1
TOOL JOINT TYPE THREAD EMT 500
STRING NO. DB50
PUMP NO. D700

TIME DISTRIBUTION - HOURS				NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD								
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC-SEC	PV-YIP	GELS	WL-CC'S	pH	SOLIDS %
1	RIG UP AND TEAR DOWN																
2	DRILL ACTUAL	7	7 1/2	7 3/4	STB RMR	OD											
3	REAMING				D.C. ID	329.75	FT.	TYPE									
4	CORING				STB RMR	OD	739	FT.	JETS 1 3/4"	16 16 16							
5	CONDITION MUD & CIRCULATE				D.C. ID			FT.	SER. NO.	653022							
6	TRIPS				STB RMR	OD		FT.	DEPTH OUT								
7	LUBRICATE RIG				SUBS	920		DEPTH IN	720								
8	REPAIR RIG							TOTAL FTG.	160								
9	CUT OFF DRILLING LINE							TOTAL HRS. RUN	2 3/4								
10	DEVIATION SURVEY				5 STANDS DP	157.11	FT.	COND. 1 8" T.B. GAGE	RUN IN			MUD & CHEMICALS ADDED					
11	WIRE LINE LOGS				2 SINGLES DP	59.85	FT.	GPM PD-PSI				TYPE	AMT.	TYPE	AMT.		
12	RUN CASING & CEMENT				KELLY DOWN	17	FT.										
13	WAIT ON CEMENT				TOTAL	880.00	FT.										
14	NIPPLE UP B.O.P.				WT. OF STRING	78000	LBS										
15	TEST B.O.P.																
16	DRILL STEM TEST																
17	PLUG BACK																
18	SQUEEZE CEMENT																
19	FISHING																
20	DIR. WORK																
21																	
22																	
23																	
COMPLETION	A. PERF'CT'N																
	B. TBC TRIPS																
	C. TREATING																
	D. SHABBING																
	E. TESTING																
	F. ADDIT'N'L																
	G.																
TOTALS				8 8 8													
DAY WORK TIME SUMMARY (OFFICE USE ONLY)																	
HRS. W. CONTR. D.P.				8 8 8													
HRS. W. OPR. D.P.																	
HRS. MO D.P.																	
HRS. STANDBY																	
TOTAL DAY WORK																	
NO. OF DAYS FROM SPUD																	
CUMULATIVE ROTATING HRS.																	
TOTAL MUD COST																	

WIRE LINE RECORD

DATE: N.W.T.

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WIRE LINE RECORD



APPROVED



APPROVED

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

No 1211

LARRY DRILLING REPORT

REPORT NO.

WELL NO. API WELL NUMBER

DATE

AUG 19/65

2

LEASE

FLETT

A-1

CONTRACT NO.

OPERATOR

AMOCO

KIEHN OIL & GAS LTD

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

D.P. SIZE

GRABBY TOOL AT END OF THE LAST STRING NO. TYPE NO.

MANUFACTURER

TYPE

Casing
Tubing
Or Liner

5"

IF

1

EMSLC

850

700

TIME DISTRIBUTION - HOURS		NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION WORK DAY, E.V.	BIT	FT. BIT NO.	TIME	WEIGHT	PRESSURE GRADIENT	VISC. SEC.
1. RIG UP AND TEAR DOWN							
2. DRILL ACTUAL	5 1/4	739	739	17 1/2	10.4	10.5	80
3. REAMING		329.75	329.75	17 1/2			85
4. CORING							
5. CONDITION MUD & CIRCULATE	1 1/4						
6. TRIPS	2 1/4						
7. LUBRICATE RIG	1/4						
8. REPAIR RIG							
9. GET OFF JOBLINE LINE							
10. DEVIATION SURVEY							
11. WIRE LINE LOGS							
12. CASING & CEMENT							
13. WAIT ON CEMENT							
14. NIPPLE UP S.O.P.							
15. TEST B.Q.P.							
16. DRILL STEW TEST							
17. PLUG BACK							
18. SQUEEZE CEMENT							
19. FISHING							
20. DIR. WORK							
21. Clean to Bot	1/4						
22.							
23.							
COMPLETION		NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
A. PERFORATION							
B. TBG TRIPS							
C. TREATING							
D. SWABBING							
E. TESTING							
F. ADDITION							
TOTALS	8 8 8						
DAY WORK TIME USE ONLY (OFFICE USE ONLY)		NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
SRS. & CONTR. D.P.	8 8 8						
HRS. & OPER. D.P.							
HRS. & NO. D.P.							
TYPE STANDBY							
TOTAL DAY WORK							
NO. OF DAYS FROM SPUD TO COMPLETION							
TOTAL MUD COST							

MORNING TOUR

DAY TOUR

EVENING TOUR

FOOTAGE		DR. D. R.M.R. CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO																
959	998																
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS												
1200		1:05	1:14	1/4	DRLG.												
1:15		1:30	1:4	1/4	SURVEY @ 965												
1:30		5:00	6:12	6 1/2	DRLG.												
FOOTAGE		DR. D. R.M.R. CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
998	1020																
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS												
8:00		9:20	1 1/2		DRILLING												
9:20		9:45	1/4		SEC RIG												
9:45		12:45	3		DRILLING												
12:45		3:00	2 1/4		TRIP & SLM												
3:00		3:15	1/4		CHECK 12' OF FILL TO BOTTOM												
3:15		4:00	3/4		DRILLING												
FOOTAGE		DR. D. R.M.R. CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
1020	1046																
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS												
4:00		8:00	4		DRILLING												
8:00		8:30	1/2		CIRC. M.D.												
8:30		9:45	1 1/4		DUMP T.R.P.												
9:45		11:00	1 1/4		CIRC.												
11:00		11:45	1/4		SURVEY												
11:45		12:00	1/4		HOLD TO RUN PILING												
FOOTAGE		DR. D. R.M.R. CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
1046	1046																
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	
TIME LOG		FROM	TO	ELAPSED TIME	CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS												
4:00		8:00	4		DRILLING												
8:00		8:30	1/2		CIRC. M.D.												
8:30		9:45	1 1/4		DUMP T.R.P.												
9:45		11:00	1 1/4		CIRC.												
11:00		11:45	1/4		SURVEY												
11:45		12:00	1/4		HOLD TO RUN PILING												



APPROVED



APPROVED

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

LEASE: FL-ETT
WELL NO: A-1
API WELL NUMBER: A-1
DATE: AUG 19/69
RIG NO: 2

OPERATOR: AMOCO
SIGNATURE OF OPERATOR'S REPRESENTATIVE: *J. P. ...*
CONTRACTOR: KEEN
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *Fred Hadley*

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1. RIG UP AND TEAR DOWN				
2. DRILL ACTUAL	7 1/4	329.75	17 1/2	
3. REAMING				
4. CORING				
5. CONDITION MUD & CIRCULATE				
6. TRIPS				
7. LUBRICATING	1/4			
8. REPAIR RIG	1/2			
9. CUT OFF DRILLING LINE				
10. DEVIATION SURVEY	3/4			
11. WIRE LINE LOG				
12. PACKING & CEMENT				
13. WAIT ON CEMENT				
14. MIDDLE UP R.O.P.				
15. TEST B.O.P.				
16. DRILL STEM TEST				
17. PLUG BACK				
18. SQUEEZE CEMENT				
19. FISHING				
20. DIR. WORK				
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TOTALS	7 6 8			
DAY WORK TIME SUMMARY (OFFICE USE ONLY)				
HRS. W/ CONTR. D.P.				
HRS. W/ D.P.R. D.P.	8 8 8			
HRS. W/ D.P.				
HRS. STANDBY				
TOTAL DAY WORK				
NO. OF DAYS FROM START TO END				
CUMULATIVE DRILLING HRS.				
TOTAL MUD COST				

FOOTAGE	DR. D. R.M.-R. CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	PUMP NO. 3	METHOD RUN
523 605 D					65 15	1800	6 3/4	60		
DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	
538	1 1/2			570	1 1/2		600	1 3/4		
TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
1200 130	1 1/2		DRILL 17 1/2" HOLE							
130 145	1 1/4		SURVEY @ 538'							
145 430	2 3/4		DRILL							
430 445	1 1/4		SURVEY @ 570'							
445 715	2 1/2		DRILL							
715 730	1 1/4		SURVEY @ 600'							
FOOTAGE	DR. D. R.M.-R. CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	PUMP NO. 3	METHOD RUN
605 664 D			SHALE		65 15	1800	6 3/4	60	6 3/4	
DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	
630	1 1/4			660	1					
TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
800 945	1 1/4		DRILLING							
945 1000	1 1/4		SURVEY @ 630' 1 1/4"							
1000 1015	1 1/4		SER. RIG							
1015 245	4 1/2		DRILLING							
245 300	1 1/4		SURVEY 660' - 1"							
300 330	1 1/4		DRILLING							
330 400	1 1/4		REPAIR PUMP DRIVE							
FOOTAGE	DR. D. R.M.-R. CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	PUMP NO. 3	METHOD RUN
664 702 D			SHALE		65 15	1100	6 3/4	60		
DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	
692	1 1/4									
TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
400 415	1 1/4		WORK ON PUMP DRIVE							
415 430	1 1/4		DRILLING							
430 445	1 1/4		SURVEY 1 1/4"							
445 460	1 1/4		DRILLING							
460 475	1 1/4		WORK ON MUD LINE							
475 490	1 1/4		DRILLING							

No 4211

DAILY DRILLING REPORT

REPORT NO

WELL NO. API WELL NUMBER

DATE

OPERATOR

FLETT

A-1

CONTRACTOR

AUG 18/69

SIGNATURE OF OPERATOR'S REPRESENTATIVE

AMOCO

KEEN DRILLING LTD

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

Fred Reddyken

D. SIZE WT. GRADE OF TOOL JOINT TIME THREADED TAPPING NO. JOINT NO.

5" 3F 1 E M S L O 830 700

TIME DISTRIBUTION - HOURS		NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION WORK DAY, ETC.	BIT	FT.	BIT NO.	TIME	WEIGHT	TIME
1. SIGN UP AND 1. TEAR DOWN				4	200	10.4	10.5
2. DRILL ACTUAL	73 5 1/4	739	739	17 1/2	10.4	10.5	
3. REAMING		329.75	329.75	117.3	90	85	
4. CORING				16 1/4			
5. CONDITION MUD & CIRCULATE	1 1/4			653022			
6. TRIPS	2 1/2						
7. LUBRICATE RIG	1/4						
8. REPAIR RIG							
9. CUT OFF							
10. DEVIATION SURVEY	1/4						
11. WIRE LINE LOG							
12. RUN CASING							
13. CEMENT							
14. WAIT ON CEMENT							
15. NIPPLE UP							
16. S.Q.P.							
17. TEST B.O.P.							
18. DRILL STEM TEST							
19. PLUG BACK							
20. SQUEEZE CEMENT							
21. FISHING							
22. DR. WORK							
23. Clean to Bot	1/4						
24.							
25.							

NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
NO.	DRILLING ASSEMBLY	BIT	FT.	BIT NO.	TIME
1	STANDS OF 637.93	739	739	17 1/2	10.5
2	SINGLES DP	329.75	329.75	117.3	1100
3	KELLY DOWN	14	14	16 1/4	86
4	TOTAL	998	998	653022	79
5	WT. OF STRING	90,000	90,000		
6	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD	
7	STANDS OF 637.93	739	739	17 1/2	10.5
8	SINGLES DP	329.75	329.75	117.3	1100
9	KELLY DOWN	14	14	16 1/4	86
10	TOTAL	998	998	653022	79
11	WT. OF STRING	90,000	90,000		

NO. DRILLING ASSEMBLY (At end of row)		BIT RECORD		MUD RECORD	
TOTALS	8 88	BIT	FT. BIT NO.	TIME	9.00 800
DAY WORK TIME: A.R.Y. (OFFICE USE ONLY)		SIZE	17 1/2	WEIGHT	10.5' 105
HRS. & CONTR. D.P.	8 88	STB. MARK	OD 1.34 FT. WFG. RECD.	PRESSURE GRADIENT	
HRS. & OPER. D.P.		IS	OD 329.75 FT. TYPE H75	VISC. SEC.	21 100
HRS. & NO. D.P.		SIZE R.H.P.	OD FT. RITE 1.02 16 H.H.	P.V. TP	
HRS. STANDBY		R.C.	OD FT. SER. NO. 653022	CELLS	
		R.V.R.	OD FT. DEPTH OUT	W. LOSS	
			DEPTH IN 720	SOLIDS	
			TOTAL F.T.G. 346		
			TOTAL HRS. RUN 3209		
			SOLIDS		
TOTAL DAY WORK		STANDARDS	653022		
		STANDARDS	653022		
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FOOTAGE		DR. D. R.M.R. CORE, C		FORMATION (SHOW CORE RECOVERY)		ROTARY WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO	DR. D. R.M.R. CORE, C	NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
959.998	1020														

DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																
1200	1 1/2		DRILLING																
1 15	1 30		SURVEY @ 965																
1 30	5 00		DRILLING																

FOOTAGE		DR. D. R.M.R. CORE, C		FORMATION (SHOW CORE RECOVERY)		ROTARY WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO	DR. D. R.M.R. CORE, C	NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
908	1020														

DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																
8 00	9 30		DRILLING																
9 30	9 45		SET RIG																
9 45	10 45		DRILLING																
10 45	3 00		TRIP & S.L.M.																
3 00	3 15		HEAD 12' OF FILL TO BOTTOM																
3 15	4 00		DRILLING																

FOOTAGE		DR. D. R.M.R. CORE, C		FORMATION (SHOW CORE RECOVERY)		ROTARY WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO	DR. D. R.M.R. CORE, C	NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
1020	1040														

DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																
4 00	8 00		DRILLING																
8 00	8 30		SURVEY																
8 30	9 45		TRIP																
9 45	11 00		DRILLING																
11 00	11 15		SURVEY																
11 15	12 00		HOIST TO RUN CASING																

FOOTAGE		DR. D. R.M.R. CORE, C		FORMATION (SHOW CORE RECOVERY)		ROTARY WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO	DR. D. R.M.R. CORE, C	NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY WT. ON BIT 1000		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
1020	1040														

DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TIME LOG	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																
4 00	8 00		DRILLING																
8 00	8 30		SURVEY																
8 30	9 45		TRIP																
9 45	11 00		DRILLING																
11 00	11 15		SURVEY																
11 15	12 00		HOIST TO RUN CASING																



APPROVED



APPROVED

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

OPERATOR

4-1

CONTRACTUS

REC-13, 1969

AMOCO
SIGNATURE OF OPERATOR'S REPRESENTATIVE

KEEN DRLS. LTD
SIGNATURE OF CONTRACTOR TOOL PUSHED

2

W.C.

STATE *NWT*

WIRE LINE RECORD

D.P. SIZE	YTS. FT.	GRADE	TOOL BIT	Q.D. TYPE	THREAD	SPRING	NO.	ROUND	NO.	MANUFACTURER
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MORNING TOUR

DAY TOUR

EVENING TOUR

FOOTAGE		DR. D RW. P CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000+	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD RUN SCALES PARTS COMB	
FROM	TO												
161	218	D						75	6	250	6 3/4	65	
DEVIATION RECORD													
DEPTH		DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION				
161		7 1/2		189	10		208	10					
TIME LOG													
FROM		TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
12" 10		1 1/4			CIRC. MIX DRILL TO CLEAN HOLE								
1 15		130	1 1/4		SURVEY								
1 20		4 15	2 3/4		DRILL 12 1/4" HOLE								
4 15		4 35	1 1/4		SURVEY								
4 30		7 45	3 1/4		DRILL								
7 45		8 00	1 1/4		SURVEY								
DRILLER <i>M. Cantos</i>													
FOOTAGE													
FROM		TO	DR. D RW. P CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000+	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD RUN SCALES PARTS COMB
218		249	DR.		(SHALE & GRAVEL)	80	5"	250	6 3/4	65			
133		143	REAM.			70	5"	800	6 3/4	65			
DEVIATION RECORD													
DEPTH		DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION				
208		10											
TIME LOG													
FROM		TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
8 00		8 15	1/4		SER. RIG								
8 15		10 15	2		DRILL								
10 15		11 15	1		CIRC. HOLE CLEAN								
11 15		2 15	3		TRIP OUT LAY DOWN 9" DR. PICKUP 11" DR.								
2 15		4 00	1 3/4		CLEAN OUT TO 17 1/2" FROM 133 TO 145"								
DRILLER <i>L. Pineda</i>													
FOOTAGE													
FROM		TO	DR. D RW. P CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000+	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD RUN SCALES PARTS COMB
1 43		249	REAM.		GRAVEL	68	5"	1400	2 3/4	64			
2 49		253	DR.										
DEVIATION RECORD													
DEPTH		DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION				
TIME LOG													
FROM		TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
4 00		10 30	6 1/2		REAM. TO 17 1/2 FROM 145 TO 249.								
10 30		11 30	1		DRILL 12 1/2" HOLE								
11 30		2 00	2		PICK UP TO 2 1/2" FROM COLLARS								
DRILLER													

No. 4204

DAILY DRILLING REPORT

REPORT NO.

LEASE FLETT WELL NO. A-1 API WELL NUMBER 123° 45' N 60° 40' N DATE 8-11-69

OPERATOR Amoco Canada Pete Keen Dr. Co. SIGNATURE OF OPERATOR'S REPRESENTATIVE *P. Keen* SIGNATURE OF CONTRACTOR'S REPRESENTATIVE *Fred Nadeau*

DR. SIZE 5" WT. 19.50 GRADE E 4 1/2 IF = 1 EMSCO 18. 2 EMSCO 16.

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
1.	RIG UP AND TEST DOWN	20 3/4			STB	OD	SIZE	WEIGHT	
2.	DRILL ACTUAL	3 1/4			D.C.	OD	FT. MFG.	PRESSURE GRADIENT	
3.	REAMING				D.C.	OD	FT. TYPE	VISC. SEC.	
4.	CORING				STB	OD	FT. JETS 1 3/4"	PV YP	
5.	CONDITION MUD & CIRCULATE				D.C.	OD	FT. SER. NO.	GELS	
6.	TRIPS				STB	OD	FT. DEPTH OUT	ML. CC'S	
7.	LUBRICATE RIG						DEPTH IN	pH	
8.	REPAIR RIG						TOTAL FTG.	SOLIDS %	
9.	SHUT OFF DRILLING LINE				STANDS DP	FT.	COND. 1 8" T.B. GAGE	MUD & CHEMICALS ADDED	
10.	DEVIATION SURVEY				SINGLES DP	FT.	GPM. PD. PSI	TYPE	AMT.
11.	WIRE LINE LOGS				KELLY DOWN	FT.			
12.	RUN CASING & CEMENT				TOTAL	FT.			
13.	WAIT ON CEMENT				WT. OF STRING	LBS.			
14.	NIPPLE UP B.O.P.								

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
15.	TEST B.O.P.				STB	OD	SIZE	WEIGHT	
16.	DRILL STEM TEST				D.C.	OD	FT. MFG.	PRESSURE GRADIENT	
17.	PLUG BACK				D.C.	OD	FT. TYPE	VISC. SEC.	
18.	SQUEEZE CEMENT				STB	OD	FT. JETS 1 3/4"	PV YP	
19.	FISHING				D.C.	OD	FT. SER. NO.	GELS	
20.	DIR. WORK				STB	OD	FT. DEPTH OUT	ML. CC'S	
21.							DEPTH IN	pH	
22.							TOTAL FTG.	SOLIDS %	
23.					STANDS DP	FT.	COND. 1 8" T.B. GAGE	MUD & CHEMICALS ADDED	
	A. PERF. RTN				SINGLES DP	FT.	GPM. PD. PSI	TYPE	AMT.
	B. TBG TRIPS				KELLY DOWN	FT.			
	C. TREATING				TOTAL	FT.			
	D. SWABBING				WT. OF STRING	LBS.			
	E. TESTING								
	F. ADDITION								

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
TOTALS					STB	OD	SIZE 12 1/4	WEIGHT	
DAY WORK TIME SUMMARY (OFFICE USE ONLY)					D.C.	OD	FT. MFG. Reed	PRESSURE GRADIENT	
HRS. W/ CONTR. D.					D.C.	OD	FT. TYPE SSHT-T	VISC. SEC. Water	
HRS. W/ OPR. D.P.					STB	OD	FT. JETS 1 3/4" OPEN	PV YP	
HRS. W/ O.D.P.					D.C.	OD	FT. SER. NO. 658989	GELS	
HRS. STANDBY					STB	OD	FT. DEPTH OUT	ML. CC'S	
							DEPTH IN	pH	
							TOTAL FTG.	SOLIDS %	
					STANDS DP	FT.	COND. 1 8" T.B. GAGE	MUD & CHEMICALS ADDED	
					SINGLES DP	FT.	GPM. PD. PSI	TYPE	AMT.
					KELLY DOWN	FT.			
					TOTAL	FT.			
					WT. OF STRING	LBS.			

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
TOTAL DAY WORK					STB	OD	SIZE 12 1/4	WEIGHT	
NO. OF DAYS FROM SPUD					D.C.	OD	FT. MFG. Reed	PRESSURE GRADIENT	
CUMULATIVE ROTATING HRS.					D.C.	OD	FT. TYPE SSHT-T	VISC. SEC. Water	
TOTAL MUD COST					STB	OD	FT. JETS 1 3/4" OPEN	PV YP	

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	TIME	
TOTAL DAY WORK					STB	OD	SIZE 12 1/4	WEIGHT	
NO. OF DAYS FROM SPUD					D.C.	OD	FT. MFG. Reed	PRESSURE GRADIENT	
CUMULATIVE ROTATING HRS.					D.C.	OD	FT. TYPE SSHT-T	VISC. SEC. Water	
TOTAL MUD COST					STB	OD	FT. JETS 1 3/4" OPEN	PV YP	

W/C NWT

FOOTAGE				FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		PUMP PRESS.		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO	DR. D. R/L	CORE NO.												
8:00	6:00														
Rigging up - rotary tools															

FOOTAGE				FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		PUMP PRESS.		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO	DR. D. R/L	CORE NO.												
8:00	6:00														
Rigging up - redrill rat hole & mouse hole															

FOOTAGE				FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		PUMP PRESS.		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO	DR. D. R/L	CORE NO.												
0	6:08	D				90	10	300	6 3/4	65				S	
Weld on conductor pipe - mix mud & rig to spud															

FOOTAGE				FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		PUMP PRESS.		PUMP NO.		PUMP NO.		METHOD RUN	
FROM	TO	DR. D. R/L	CORE NO.												
8:45	12:00	3 1/4													
Drilling 12 1/4 hole															
SPUD in 8:45 PM 8-11-69 w/ 12 1/4"															



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

No. 1203

ONLY DRILLING REPORT

REPORTING

LEASE FLETT A-1
WELL NO. 123° 45' N 60° 40' N
OPERATOR Amoco
SIGNATURE OF OPERATOR'S REPRESENTATIVE J. Carstairs
SIGNATURE OF CONTRACTOR'S TOOL PUSHER Fred Hady Ki
W/C NWT

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

MORNING TOUR

DAY TOUR

EVENING TOUR

FOOTAGE		DR. O. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO									
Aug 7 1969										
Rigging up 17 men 3 trucks.										
Aug 8 1969										
Rigging up 16 men 3 trucks.										
Aug 9 1969										
Rigging up 16 men 3 trucks.										
Aug 10 1969										
Rigging up 16 men 3 trucks.										



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

No. 4201

DAILY DRILLING REPORT

REPORT NO.

LEASE

WELL NO.

API WELL NUMBER

DATE

OPERATOR

Flett A-1

CONTRACTOR

123° 45' N 60° 40' N

RIG NO.

2

FIELD OR INST.

w/c

COUNTY

STATE

NWT

WIRE LINE RECORD

ROLL NO.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

Amoco
J Carstairs

SIGNATURE OF CONTRACTOR TOOL PUSHER

Keen Dr. Lg.
Fred Hodgkin

D.P. SIZE WT. FT. GRADE TOOL JT. G.D. TYPE THREAD STRING NO. PUMP NO. PUMP MANUFACTURER TYPE SERVICE

LAST CASING TUBING OR LINER

TONS OR TRIPS SINCE LAST CUT
CUMULATIVE TONS OR TRIPS

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

FOOTAGE		DR. D RM-R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. S.P.M.	METHOD RUN
FROM	TO											
MORNING TOUR												
DEVIATION RECORD												
TIME LOG FROM TO ELAPSED TIME CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS												
July 27 1969 Moving camp & rig Pled Mtn. A-3 to Flett (7 men working)												
July 28 1969 Moving camp & rig Pled Mtn. A-3 to Flett A-1 setting up camp. (6 men working)												
DAY TOUR												
DEVIATION RECORD												
TIME LOG FROM TO ELAPSED TIME CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS												
July 29 1969 Setting up camp. Moving. Camp in operation 8 AM 7-29-1969 (6 men working)												
July 30 1969 Rigging up. (6 men working)												
EVENING TOUR												
DEVIATION RECORD												
TIME LOG FROM TO ELAPSED TIME CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS												
July 31 1969 Rigging up. Set 30' 94" 20" ST&C for conductor pipe. Cemented w/ 60 SAX oil well meat Dug rat hole & mouse hole. (6 men working)												

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