

Fina Gulf Trainor IK B-24

Drilling Authority No. 573
Date Issued 07-02-72

WELL NAME Fina Gulf Trainor IK B-24
FIELD Area:
LOCATION: Unit B Section 24 Grid 60-10-119-45
Latitude 60°03'14" Longitude 119°49'31.5"
U.W.L.R. 60.05389° - 119.82542°
U.W.I. 300B246010119450

Rig Release Date: 25-04-72
Status D + A
Information Release Date: 25-04-74

CHANGE OF NAME:

DATE RECEIVED	INDEX
24-01-72	Application for a Drilling Authority.
19-04-72	Well Completion Data.
7-09-72	Well History Report.
3-03-72	Application to Amend a Drilling Authority.
	Application to change a Well Name.
	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
	Well Completion Data.
	Work-over Report No.
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells - Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells - Vitter's Method.
	M.P.R. - Oil - Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
9-03-72	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.....



REVISED

Drilling Authority No. 573
Date Issued February 7, 1972DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

WELL COMPLETION DATA

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

Well name and number FINA GULF TRAINOR LK B-24
Permit No. 3466 Lease No. _____
Gulf Oil Canada Ltd. Exploratory Licence No. 1978
(Permittee, Licensee, Lessee)
Petrofina Canada Ltd. Exploratory Licence No. _____
(Operator)
Location: Unit B Section 24 Grid 60 10 119 45'
Latitude 60° 03' 14" N. Longitude 119° 49' 31.5" W.
Unique Well Identifier 300B246010119450
Universal Well Location Reference Lat. 60.05389 Long. 119.82542

	DATE	DEPTH	Pool(s)
Spudded	Feb. 19/72		Interval(s) open to production
Suspended			
Resumed Operations		6250' Logger	
Finished Drilling	Mar. 22/72	6245' Driller	
Deepened			Elevation: Gr. 1554' K.B. 1571'
Complete (gas/oil)			Rig No. 15
Abandoned	Mar. 25/72	6245'	Drilling Contractor Commonwealth Drilling (Western) Ltd.
Rig released	Mar. 25/72		Contractor's Business Licence No. 0997

CASING RECORD

Casing Size (Inches)	Grade	Weight	Amount	Set at -	Sacks of Cement and Additives
1. 13 3/8"	K55	48 - 54.5	1274.00'	1272'	1200 sacks normal construction cement plus 2%
2.			(35 joints)		
3.					CaCl ₂
4.					Plug down at 5.35 p.m.
5.					February 25, 1972
6.					

GEOLOGICAL TOPS	ELEVATION		CORE RECORD					
	Depths	Sub-Sen	From	To	Rec.	From	To	Rec.
Base Drift	behind pipe							
Wabamun (Kotcho)	1750'	- 179'						
First Shale	2018'2	- 447'						
Second Limestone	2117'	- 546'						
Kakisa	2943'	- 1372'						
Jean Marie	3114'	- 1543'						
Ft. Simpson	3155'	- 1584'						
Canol	4822'	- 3251'						
Slave Point	4916'	- 3345'	✓ 1					
Watt Mtn.	5184'	- 3613'	✓ 1					
Presquille	5194'	- 3623'						
Keg River	5666'	- 4095'						
Upper Chinchaga	5862'	- 4291'	✓ 1					
'B' Marker	5981'	- 4410'	✓ 1					
Red Beds	6059'	- 4488'						
PreCambrian	6221'	- 4650'						
TOTAL DEPTH	6245'							
			LOG RECORD					
			Run No.	Type of Log		From	To	
			✓ 1	Dual Induction-Latero log.		1272'	6250'	
			✓ 1	Borehole Compensated Sonic Log with Gamma and Caliper.		1272'	6250'	
			✓ 1	Formation Density with Gamma and Caliper		1600'	3200'	
			✓ 1	Sidewall Neutron Porosity with Gamma and Caliper		4800'	6245'	
				Lithology Log		1600'	3200'	
						4800'	6245'	

CEMENTING RECORD (Plug, Squeeze, etc.)				PERFORATING RECORD (Bullet, Jet)				SERVICING RECORD (Acidizing, Fracing, etc.)			
Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
ABANDONMENT PLUGS				continued							
#1 March 24	6245	5800'	235 sacks cement. Plug down 7.00 p.m. March 24				9.45 p.m. March 24. Felt plug at 4835' at 4.00 a.m. March 25 (30' high).				
#2 March 24	5244'	5140'	52 sacks plus 2% CaCl ₂ Plug down 2.00 p.m. March 24. Felt plug at 5110' (34' high).	#4 March 25	1322'	1222'	109 sacks cement plus 2% CaCl ₂ . Plug down 1185' at 11.15 a.m. March 27 (37' high).				
#3 March 25	4965'	4865'	52 sacks cement plus 2% CaCl ₂ . Plug down at	#5			5-sack cement plug. Welded on 1/2" plate with identification plaque - 4 feet above ground in afternoon of March 25, 1972.				

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.B.H.P.	F.S.I.B.H.P.	I.F.B.H.P.	F.F.B.H.P.	I.H.P.	F.H.P.	REMARKS
1	March 10	Presquile	5190'	5254'	60	30	90	2087	2086	1982	2086	2544	2507	Report and Chart sent to Government March 24, 1972. Rec. 830' black sulphur salt water cut drilling mud and 3518' salt water.

ANALYSIS						PRESENT STATUS OF WELL					
Lab. No.	Sample	From	To	Source	Remarks	Oil	Gas	Dry	Susp.	Interval.	Interval.
933-2408	Water	5190	5254'	D.S.T. #1 (above tool)	Report sent to Government April 10, 1972			Abandoned			
								T.D. 6245'			

Company PETROBRAS CANADA LTD.
Signed by J. G. Campbell
Title Drilling Superintendent
Date April 17 1972

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



Drilling Authority No.573...
Date Issued...February 7, 1972

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

WELL COMPLETION DATA

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

Well name and number.....FINA GULF TRAINOR LK B-24
Permit No.3466..... Lease No.-
Gulf Oil Canada Ltd. Exploratory Licence No.1978
(Permittee, Licensee, Lessee)
Petrofina Canada Ltd. Exploratory Licence No.
(Operator)
Location: UnitB..... Section24..... Grid60° 10' 119° 45'
Latitude60.05389N..... Longitude119.82542W
From Established Reference Marker.....
Universal Well Location Reference...Lat. 60.05389 Long. 119.82542

	DATE	DEPTH	Pool(s).....
Spudded.....	Feb.19/72		Interval(s) open to production.....
Suspended.....			
Resumed Operations.....			
Finished Drilling.....	Mar.22/72	6245'	
Deepened.....			Elevation: Gr.1554'.... K.B.1571'
Complete (gas/oil).....			Rig No.15.....
Abandoned.....	Mar. 25/72	6245'	Drilling Contractor...Commonwealth Drilling (Western)
Rig released.....	Mar. 25/72		Contractor's Business Licence No.0997..... Ltd.

CASING RECORD

Casing Size (Inches)	Grade	Weight	Amount	Set at -	Sacks of Cement and Additives
1.13 3/8"	K55	48 -54.5	1274.00'	1272'	1200 sacks normal const-
2.			(35 joints)		truction cement plus 2%
3.					CaCl ₂
4.					Plug down at 5.35 p.m.
5.					February 25, 1972
6.					

GEOLOGICAL TOPS	ELEVATION		CORE RECORD					
	Depths	Sub-Sea	From	To	Rec.	From	To	Rec.
Base Drift	behind pipe							
Wabamun (Kotcho)	1750'	- 179'						
First Shale	2018'2	- 447'						
Second Limestone	2117'	- 546'						
Kakisa	2943'	- 1372'						
Jean Marie	3114'	- 1543'						
Ft. Simpson	3155'	- 1584'						

GEOLOGICAL TOPS	Depths	Sub-Sea	LOG RECORD			
			Run No.	Type of Log	From	To
Canol	4822'	- 3251'	1	Dual Induction-Latero	1272'	6250'
Slave Point	4916'	- 3345'	1	log.		
Watt Mtn.	5184'	- 3613'	1	Borehole Compensated	1272'	6250'
Presquile	5194'	- 3623'		Sonic Log with Gamma		
Keg River	5666'	- 4095'		and Caliper.		
Upper Chinchaga	5862'	- 4291'	1	Formation Density with	1600'	3200'
'B' Marker	5981'	- 4410'	1	Gamma and Caliper	4800'	6245'
Red Beds	6059'	- 4488'		Sidewall Neutron Por-	1600'	3200'
PreCambrian	6221'	- 4650'		osity with Gamma and	4800'	6245'
TOTAL DEPTH	6245'			Caliper	1600'	3200'
				Lithology Log	4800'	6245'

CEMENTING RECORD (Plug, Squeeze, etc.)				PERFORATING RECORD (Ball, Jet)				SERVICING RECORD (Acidizing, Fracing, etc.)			
Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
ABANDONMENT PLUGS				continued							
#1 March 24	6245	5800'	235 sacks cement. Plug down 7.00 p.m. March 24				9.45 p.m. March 24. Felt plug at 4835' at 4.00 a.m. March 25 (30' high).				
#2 March 24	5244'	5144'	52 sacks plus 2% CaCl ₂ Plug down 2.00 p.m. March 24. Felt plug at 5110' at 9.00 p.m. March 24 (34' high).	#4 March 25	1322'	1222'	109 sacks cement plus 2% CaCl ₂ . Plug down 1185' at 11.15 a.m. March 27 (37' high).				
#3 March 25	4965'	4865'	52 sacks cement plus 2% CaCl ₂ . Plug down at	#5			5-sack cement plug. Welded on 1/2" plate with identification plaque - 4 feet above ground in afternoon of March 25, 1972.				

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.B.H.P.	F.S.I.B.H.P.	L.F.B.H.P.	F.F.B.H.P.	L.H.P.	F.H.P.	REMARKS
1	March 10	Presquile	5190'	5254'	60	30	90	2087	2086	1982	2086	2544	2507	Report and Chart sent to Government March 24, 1972.

ANALYSIS						PRESENT STATUS OF WELL			
Lab. No.	Sample	From	To	Source	Remarks	Oil	(Interval.)	Gas	(Interval.)
933-2048	Water	5190	5254'	D.S.T. #1 (above tool)	Report sent to Government April 10, 1972				
						Dry	Abandoned		
							T.D. 6245'		
						Susp.			

Company PETROFINA CANADA LTD.
Signed by J. G. Campbell
Title Drilling Superintendent
Date April 17 1972

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



File No.
Drilling Authority No. 573

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application to Abandon a Well or Suspend Drilling

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

Name and number of well Fina Gulf Trainor Ik B-24
Location: Unit B Section 24 Grid 60-10 - 119-15
Latitude 60.05389N Longitude 119.82542W
From Established Reference Marker
Universal Well Location Reference Lat. 60.05389 N Long. 119.82542 W
Permit No. 3466 Lease No. -

Gulf Oil Canada Limited
(Permittee, Licensee, Lessee)

Date of commencement of proposed program

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at
Gas at
Water at
Total Depth 6245 feet Date of last operations March 25, 1972
Present condition of well Abandoned

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. 13 3/8"	48 - 54.5	1274.00'	1272'	1200 sacks normal	
2.		(35 joints)		construction cement	
3.				plus 2% CaCl ₂ . Plug	
4.				down at 5.35 p.m.	
5.				Feb. 25, 1972	

PROPOSED ABANDONMENT PROGRAM

Plug		Geological Formation	Number of Sacks of Cement	Remarks
No.	Position			
1	6245' - 5800'	Pre-Cambrian to Upper Chinchaga	235 sacks	Mar. 24/72 Plug down 7.00 pm
2	5244' - 5144'	Presquille to Watt Mtn.	52 sacks plus 2% CaCl ₂	Plug down 2 pm Mar. 24/72. Felt plug at 5110' 9.00 p.m. March 24/72.
3	4965' - 4865'	Slave Point to Canol	52 sacks plus 2% CaCl ₂	Plug down at 9.45 pm Mar. 24. Felt plug at
4	1322' - 1222'	Base Drift	109 sacks plus 2% CaCl ₂	4.00 a.m. March 25.
5 - 5-sack cement plug.		Plug down 1185' at 11.15 a.m. March 25, 1972		

The following logs have been run DIL; BHC with Gamma and Caliper; Formation Density with Other operations proposed Gamma and Caliper; Lithology log.

Operations to be carried out by Petrofina Canada Ltd. Contractor Licence No. 0997
Address 736 Eighth Avenue S.W. Calgary, T2P 1H4 Address 535 - 7 Avenue S.W., Calgary
Responsible Agent in field H. MacIntyre
Dated at Calgary, Alberta, this 23 Day of January 19 73.
Signed by J.G. Campbell Company Petrofina Canada Ltd.
Title Drilling Superintendent Operator's Exploratory Licence No. -

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

(For OIL AND MINERAL DIVISION use only)

APPROVAL

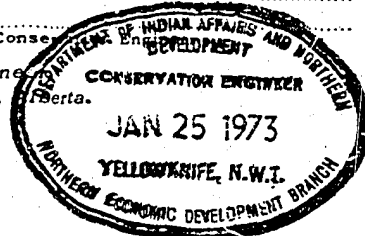
This application has been examined and proposed programme approved, subject to the following conditions:

Confirming oral approval given March 23, 1972.

Dated 29-MAR-73, 19 R. L. Price.

LAND 52-90 (5) (2-69)

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



File No.....
Drilling Authority No..... 573



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application to Amend a Drilling Authority

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

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made to amend Drilling Authority No..... 573....., concerning FINA GULF TRAINOR LK B-24

(Name and Number of Well)

The following amendments are required:.....

Surface casing setting depth to be changed
from 700' to 1272'.

Reasons for the amendments:.....

- 1) Sand being recovered in drilling fluid to a depth of 1232' K.B.
- 2) Necessary to have surface casing string cemented in shale to provide adequate containment of possible Slave Point pressures.

Dated at Calgary, Alberta....., this 24th..... day of February....., 1972.....

Signed by..... J.G. Campbell

Title Drilling Superintendent

Company Petrofina Canada Ltd.

(For Oil and Mineral Division use only)

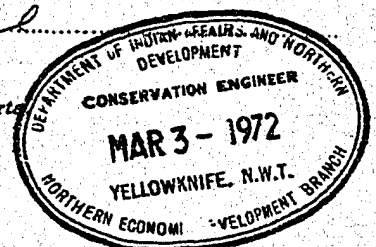
APPROVED

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

Date March 6, 1972

Oil Conservation Engineer

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



Drilling Authority No. 573

Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application for a Drilling Authority

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

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

Name and number of well.....FINA GULF TRAINOR LK B-24
Location: Unit.....R.....Section.....24.....Grid.....60°10'119°45'
Latitude.....60°03'14"N.....Longitude.....119°49'31.5"W
Unique Well Identifier.....300B246010119450
Universal Well Location Reference.....Lat. 60.05389 N Long. 119.82542 W
Elevation: Ground.....1554'.....K.B. 1565.....feet above sea-level.
Well is expected to produce from.....Slave Point.....formation at a depth
of about.....4835.....feet. Expected total final depth.....6055'
Area assigned to well.....Wildcat
(for Oil Conservation Engineer's use only)

Permit No. 3466 Lease No. Acreage 63,854
Permitter, licensee, or lessee Gulf Oil Canada Limited
Exploratory Licence No. 1978
Surface owned by Crown orCrown
(If alienated submit name and address of owner and occupant.)
Petroleum and natural-gas rights owned by.....Crown
We propose to use the following strings of casing, either cementing or landing them as indicated below:—

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Each of Cement
1. 13 3/8"	54.5	K55	New	700'	to surface
2.					
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment.....Slave Point, Sulphur Point -
Prequile, Granite Wash. Series 900; Blind Rams, Pipe Rams, Annular-type
Preventer and Manifold.

Well will be drilled with Rotary Rig No. 15 by Commonwealth Drilling
(Drilling Contractor or company)

Responsible agent of applicant:— Contractor's Business Licence No. 0997
At well Harold MacIntyre At registered office J. G. Campbell
Address Fort Nelson, B.C. Address Ninth Floor, 736 Eighth Avenue S. W.,
It is understood that if changes become necessary, notice of the change of plan will be submitted. Calgary 2,
Dated at Calgary, Alberta, this 18 day of January 19 72
Signed by [Signature] Company Petrofina Canada Ltd.
Title Drilling Superintendent Operator's Licence No. 1957
(For Oil and Mineral Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:—
Please see attached sheet for conditions.

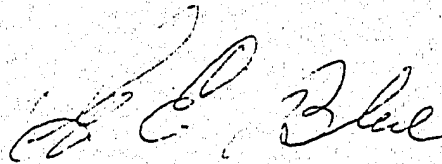
Dated February 7 19 72
Oil Conservation Engineer
Forms to be submitted to Oil Conservation Engineer,
Department of Indian Affairs and Northern Development, Calgary, Alberta.

LAND 52-90-1 (3-69)



CONDITIONS OF APPROVAL FOR DRILLING AUTHORITY NO. 573
FOR Fina Gulf Trainor Lk B-24

1. Copies of this Drilling Authority shall be exhibited at the Drilling Rig in both the Doghouse and the Drilling Foreman's Office between spud and rig release dates.
2. The Company will submit to this office on Tuesday of each week, a Progress Report on the well. The Oil Conservation Engineer may request more frequent reports.
3. All waste materials shall be disposed of in a manner that will prevent pollution to adjacent areas.
4. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.
5. Any additional strings of casing must be approved by the District Conservation Engineer prior to running.
6. All shows (small or large) of oil and gas are to be reported immediately.



G. E. Blue,
District Conservation Engineer,
Box 1500,
Yellowknife, N.W.T.

Bus. Phone 873-4421
Res. Phone 873-3028

(30)
DRILLING AUTHORITY No. 573

WELL BULLETIN - CANADA LANDS

OIL AND MINERAL DIVISION

DATE Feb. 2, 1972.

Date Drilling Authority Issued: January 18, 1972.

Permit No.: 3466

Company: petrofina Canada Ltd.

Well Name: FINA GULF TRAINOR LK B-24

Location: Lat. 60°03'14" N Long. 119°49'31.5" W

Co ordinates: Unit: B Section: 24 Grid: 60-10-119-45

Universal Well Location Reference: Lat. 60.05389 N Long. 119.82542 W

Unique Well Identifier: 300B246010119450

Field: Wildcat

Ground Elevation: 1554'

Proposed Total Depth: 6055'

Contractor: Commonwealth Drilling

Rig No. 15

Mail To:

Oil & Gas Journal
Petroleum Information Exchange
Oilweek
Daily Oil Bulleint
Well Information Services
Northwestern District Oil Scouts
~~R. G. Anderson~~
G. B. Armstrong
D. Bohun
M. Thomas

G. E. Blue,
Oil Conservation Engineer,
Oil & Mineral Division,
D.I.A.N.D.,
Box 1500,
Yellowknife, N.W.T.



PETROFINA CANADA LTD.

EXPLORATION - PRODUCTION
NINTH FLOOR, 736 EIGHTH AVENUE SOUTH WEST
CALGARY 2, ALBERTA, CANADA

January 19, 1972

Mr. George E. Blue
P. O. Box 1500,
Yellowknife, Northwest Territories

Dear Sirs: Re: Fina Gulf Trainor Lk B-24

Enclosed in triplicate is the Application for a
Drilling Authority for the above-named well.

Enclosed are two copies of the aerial surveys for
this well.

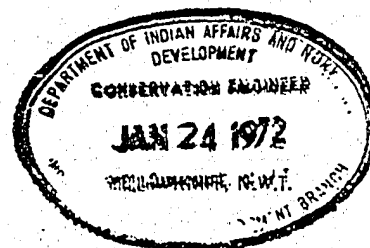
We trust this Application meets with your approval.

Yours very truly,

PETROFINA CANADA LTD.

J. G. Campbell
J. G. Campbell, P. Eng.
Drilling Superintendent

JGC:S
Encl.



PETROFINA CANADA

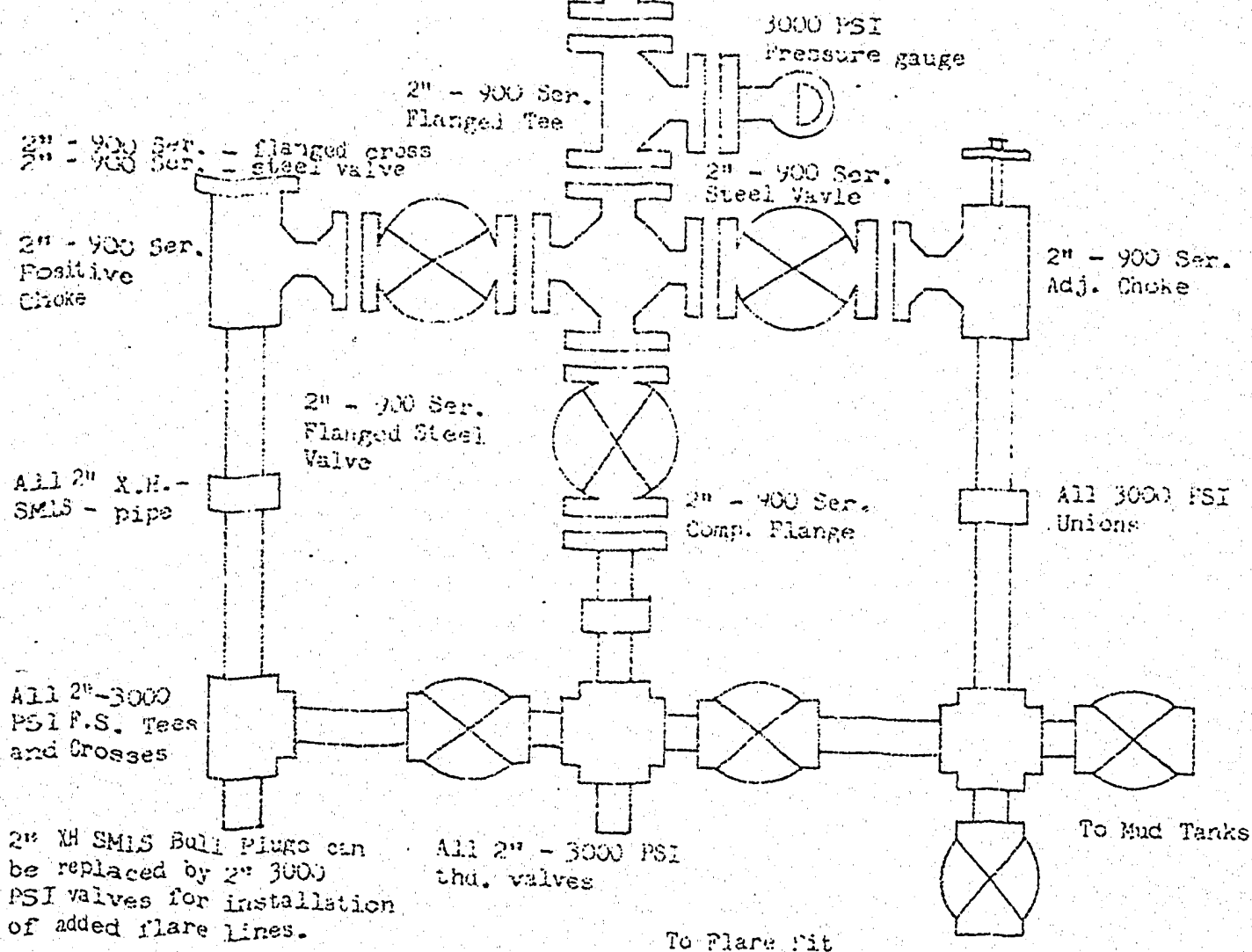
LTD.
LTEE

Well Killing Manifold



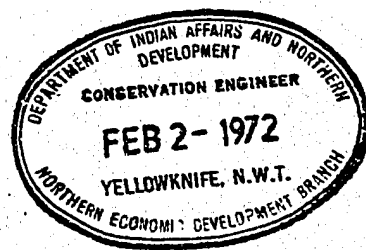
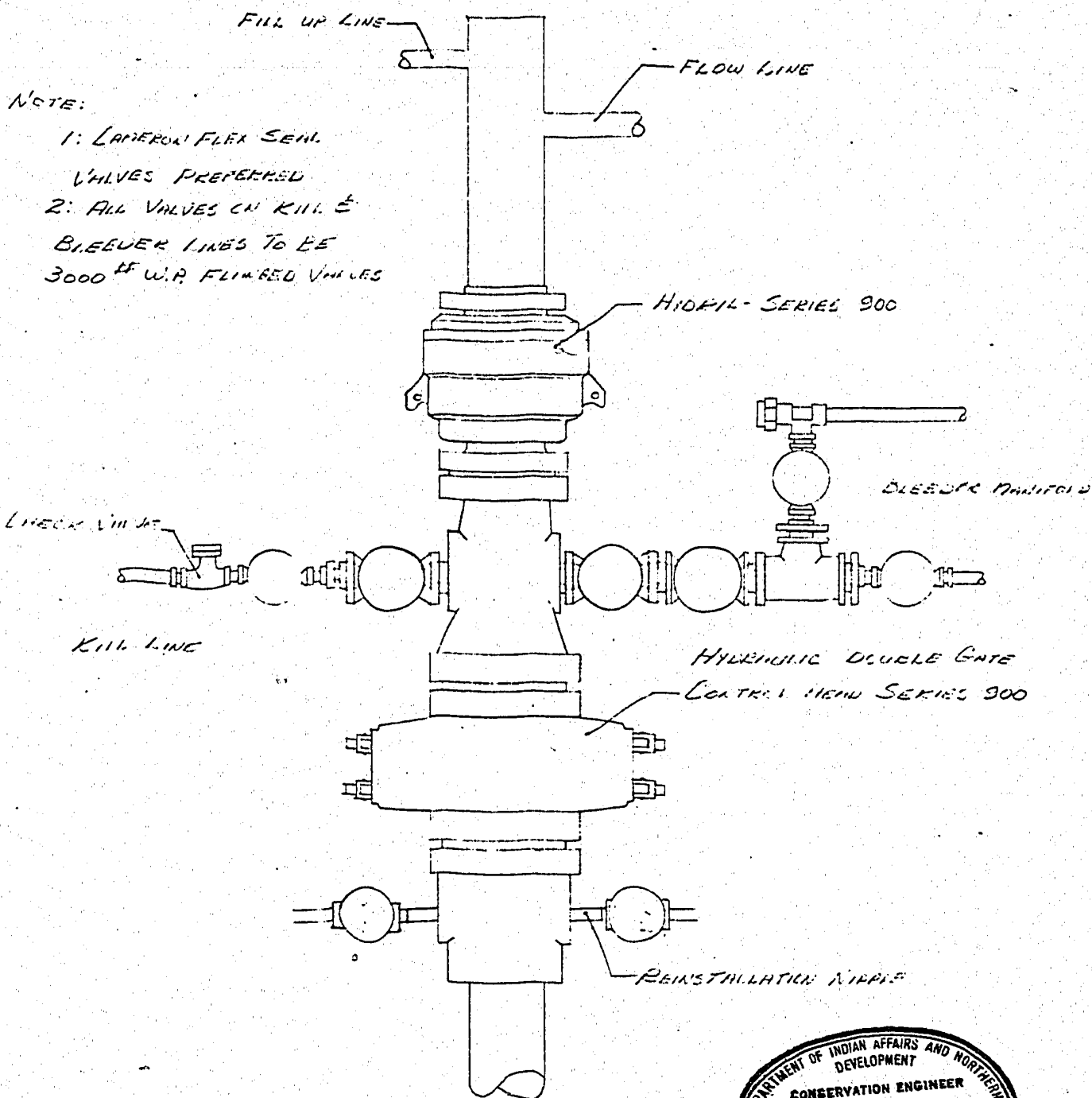
Connected to BOP Valves

2" X.H. SMLS Pipe
Welded to 2" - 900 ser. weld
neck flanges



This manifold can be constructed of 2" or 3" or a combination of 2" and 3" fittings.

For Use at
FINA GULF TRAINOR LK B-24



B. O. P. Hook-up for Use on Fina Gulf Trainor Lk B-24

RECEIVED
FBI - NEW YORK
JAN 10 1964

RECEIVED
FBI - NEW YORK
JAN 10 1964

13369-118



PETROFINA CANADA LTD.

EXPLORATION - PRODUCTION
NINTH FLOOR, 736 EIGHTH AVENUE SOUTH WEST
CALGARY 2, ALBERTA, CANADA

February 2, 1972

Department of Indian Affairs and
Northern Development,
Oil and Mineral Division,
112 - 11 Avenue South East,
Calgary 21, Alberta

Attention: Mrs. Johnson

Dear Sirs: Re: Fina Gulf Trainor Lk B-24

Enclosed are two copies each of the Drilling Program
and the Geological Prognosis for the above-named well.

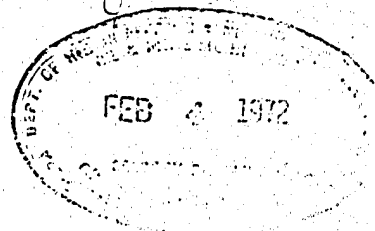
We trust this will fullfil the requirements for the
Application.

Yours very truly,

PETROFINA CANADA LTD.

J. G. Campbell
J. G. Campbell, P. Eng.
Drilling Superintendent

JGC:S
Encl.



DRILLING PROGRAM

WELL NAME FINA GULF TRAINOR LK B-24 Location 60° 10' N 119° 45' W Shot Point #70, Line C-27-G
~~XXXXXXXXXX~~
Ground elevation 1554 Estimated K.B. elevation 1565 Estimated ~~XXXXXXXXXX~~
Casing: Surface 13 3/8" Intermediate 9 5/8" or 7" Production 4 1/2" or 5 1/2"

1. The following should be on the lease before spudding:

Surface casing 1200 ft; Size 13 3/8 ins; Wt 54.5 #; Grade K55; Rge 2 or 3;
8 rnd ST&C Thd; Guide Shoe; Baker Cement Float (Prod. 101-01) Collar;
2 Latch-on Centralizers; 13 3/8" x 12" Series 900 Casing Bowl.

2. Installation of Surface Equipment:

Install guide shoe and bottom two joints of casing with Baker Threadlok.

Install the float collar on the bottom of the second joint of casing.

Use one centralizer on each of the bottom two joints of casing.

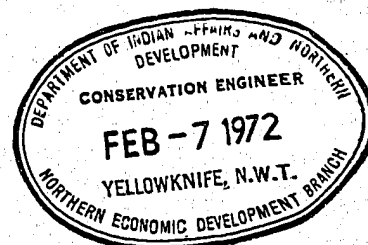
3. Deviation surveys on the surface hole to be taken after spudding and at maximum intervals of 100 feet. Maximum deviation allowed 1 1/2 degree. Below surface casing, surveys to be taken at maximum intervals of 500 feet, or as frequently as required for close control. Maximum deviation allowed 3 degrees.

* ~~X: Measure ----- feet (minimum) of surface casing and drill a ----- inch hole to shot depth of ----- less 3 feet. Run hole to bottom with a ----- inch reamer. Be prepared for lost circulation.~~

5. Circulate and work casing to condition mud and hole and have complete circulation returns before cementing.

6. N.B. Water to be used for cementing should be tested prior to the job by mixing up a cement sample. Sample should be checked after 24 hours. If possible have the cementing company analyse a water sample.

* 4. Have a Geologist on location for surface hole and drill a 17 1/2" hole to 75 feet below the base of the Glacial Drift or to 700 feet minimum, whichever is the deepest. Be prepared for lost circulation.



Cementing Surface Casing: Calculate volume required, plus 50 % in excess or more, depending on hole conditions, in order to have good cement returns at the surface.

Use construction sack cement plus 2% CaCl₂.

Slurry weight 15.8 to 16.2 lbs/gallon.

Displace the plug using the cement truck.

8. Use a plug loading head for cementing and prior to starting to run casing have a circulating head on the lease in case it is required while running casing. Put 50 bbls of water ahead of the cement and use both bottom and top plugs. Reciprocate the casing while circulating and as long as possible during the cementing operations. Be prepared to chain the casing down prior to the plug bumping to prevent the pipe from hydraulicing. Land casing on bottom and centre it in the table. Bleed pressure back to 0 psi. If cement returns are not obtained, re-cement from the surface as required. Maximum pump pressure 2200 psi.
9. After 12 hours W.O.C. cut off the casing so that the top of the casing bowl flange will be approximately 6 inches above ground level, providing the sub-structure height is sufficient to allow for the blowout preventers. Install slip-on casing bowl and weld same inside and outside. Test welds with a pressure pump and take the K.B. to casing bowl flange measurements, prior to installing the blowout preventers. Test the blowout preventers to 1500 psi before drilling out. Drill out after 24 hours W.O.C. with a 8 3/4 inch bit and record the depth of the float collar and the condition of the cement on the Drilling Report.
- 9A- See Page 4.
10. Drill to objective horizon as outlined in the Geological Program. Drill pipe measurements to be checked closely and a tally taken prior to important markers, coring, and testing depths. Two pipe measurements should correspond before making a depth correction.
11. Circulation samples, cores, drill stem tests, and logs are to be taken as requested by the Exploration Department. Mud and hole should be conditioned prior to coring, testing, and logging.
12. Unless conditions indicate otherwise dual packers should be used. Use at least 5 feet of anchor above bull nose on bottom hole tests. On conventional tests use 2 outside recorders and install a safety joint immediately above the top packer rubber and below the jars. On a straddle by-pass test use 2 outside recorders in the test interval and 1 outside recorder in the tail pipe below the bottom packer. Use a minimum 30 feet of perforations if interval permits.

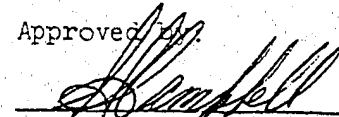
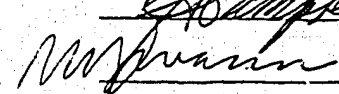
Unless otherwise specified preflow and initial shut-in times should be 5 minutes and 60 minutes respectively. The main flow period and the final shut in times are to be based on the Company drill stem test guide relative to actual flow conditions.

Sample information sheets should be completed and attached to all samples sent in for analysis, with a copy of the sheets sent to Calgary office. The regulatory body requires one representative sample having the highest specific gravity of salt water recovery for analysis.

13. Use rubber drill pipe casing protectors inside surface casing and intermediate strings as required for hard drilling.
14. Daily Drilling Reports should be 'phoned in by 9.00 a.m. each day whenever possible, or unless otherwise specified.
15. Permission to abandon a well must be obtained from the Calgary office. All abandonment programs, casing and cementing jobs must be approved by the Dept. of Indian Affairs and Northern Development, Oil and Mineral Division, Yellowknife, N.W.T. prior to commencement of the job.
16. Blowout preventer equipment must consist of a Kelly cock, a hydraulic operated annular-type preventer, and a hydraulic operated double ram preventer c/w a storage type pressure source of sufficient pressure and capacity to effect simultaneous full closure of the annular-type preventer and one element of the gate-type preventer.
17. Complete details should be shown on Casing Tally and Data sheets, with particular emphasis on different grades and weights of casing and the order in which they are run in the hole. All casing and tubing should be drifted with proper size drift.
18. Mud Program - **INTERNATIONAL DRILLING FLUIDS.**

See Attachment No. 1

Approved by

9A. The well, Fina BA Trainor Lake P-55, encountered high pressure gas and lost circulation in the Slave Point. With this in mind and at the same time attempting to keep intermediate casing to a minimum, the procedures as outlined below will be followed.

- i) Test all porous potential hydrocarbon bearing horizons above the Slave Point as they are encountered.
- ii) If no zone above the Slave Point yields hydrocarbons drill into the Slave Point employing a bit with inserts removed. If porosity is encountered drill into it 10 feet and drill stem test.
- iii) If the drill stem test yields no hydrocarbons continue to drill the Slave Point. This drilling may be done with or without circulation. If lost circulation is encountered in the Slave Point, which can not be controlled by lost circulation material, and it is not hydrocarbon-bearing, drill 50 feet into the Watt Mountain and set 7" intermediate casing. Utilize a rotating head.

9B. If any zone above the Slave Point yields hydrocarbons in any amount install a 9 5/8" intermediate casing prior to drilling into the Slave Point. This will require reaming the hole to 12 1/4".

Also if the drill stem test of the Slave Point yields hydrocarbons in any amount install a 9 5/8" intermediate casing prior to drilling further into the Slave Point.

9C. If an intermediate casing is required proceed as follows:

- i) Attempt to seal off lost circulation.
- ii) Run intermediate casing.
- iii) Use cement quantities based on the requirements of the Department of Indian Affairs and Northern Development, Yellowknife. This is likely to be quantity based on bit diameter plus 20% excess for the interval from surface casing shoe to intermediate casing setting depth.
- iv) Cement slurry is to be made up of construction cement plus 6% Gel plus 2% CaCl₂. Displace with water.
- v) If returns are not maintained during the cementing, or if the Department of Indian Affairs and Northern Development requires a cement top locating log, run a Schlumberger Temperature log at exactly 12 hours after plug down.
- vi) If casing is cemented satisfactorily install slips immediately and cut off casing.
- vii) Re-install B.O.Ps.

FINAL

GEOLOGICAL PROGNOSIS AND PROGRAM

WELL NAME:

Fina Gulf Trainor Lk. B-24 (Tentative)
SP #70 Line C-27-G (60°10'N, 119°45'W)

LOCATION:

Unit B, Section 24, Grid 60°10' 119°45'
~~Base: 60°10' 119°45' Township Range 46°10' 119°45' 46°10' 119°45'~~
Latitude 60°03' 14" N. Longitude 119°49' 31.5" W

CO-ORDINATES:

ELEVATION:

Ground: 1554 feet (estimated)

Kelly Bushing: 1565 feet (estimated)

OPERATOR:

Petrofina Canada Ltd.

PARTICIPATING
COMPANIES:

	Cost	Benefit
Petrofina Canada Ltd.	100%	50%
Gulf Oil Canada Limited	0%	50%

SUPERVISION:

Geologist: William Hommel

Drilling Supv: H. MacIntyre

CONTRACTORS:

Drilling: Commonwealth Drilling (Rig #15)

Cementing: Halliburton Services Ltd.

Mud: International Drilling Fluids

Coring: Christensen Diamond Products

Testing: Johnston Testers or Halliburton

Logging: Schlumberger of Canada

Core Analysis: Core Laboratories (Canada) Ltd. Calgary

Gas Analysis: Core Laboratories (Canada) Ltd. Calgary

Fluid Analysis: Core Laboratories (Canada) Ltd. Calgary

OBJECTIVES:

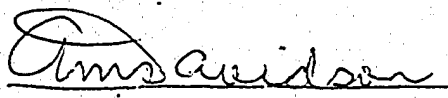
Main: Slave Point

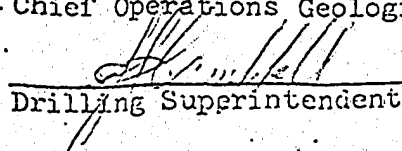
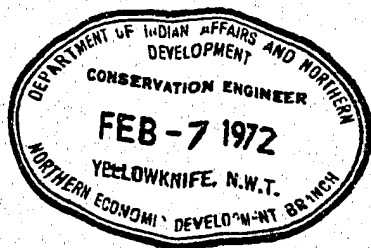
Secondary: Sulphur Point-Prequile, Granite Wash

TOTAL DEPTH:

6055 feet, approximately

Approved by:


 Chief Operations Geologist


 Drilling Superintendent


WELL NAME: Fina Gulf Trainor Lk. B-24 (tentative)
 LOCATION: SP #70 Line C 27-G 60°03'N 119°50'W
 ELEVATION: 1565 feet (estimated)

GEOLOGICAL PROGNOSIS

GEOLOGICAL MARKER	DEPTH	SURSEA	MAXIMUM SHUT-IN PRESSURE
Banff	1235'	+ 330	
*Wabamun	1700'	- 135	
Shale	1960'	- 395	
Limestone	2060'	- 495	
Kakisa	2635'	-1070	
Shale	2905'	-1340	
Tetcho (Jean Marie)	3055'	-1490	
*Ft. Simpson	3110'	-1545	
Canol	4730'	-3165	
*Slave Point	4835'	-3270	
Watt Mountain	5095'	-3530	
Presquile	5110'	-3545	
Keg River	5560'	-3995	
Upper Chinchaga	5775'	-4210	
B Marker	5830'	-4265	
*Pre Cambrian	6035'	-4470	
TOTAL DEPTH	6055'	-4490	

Earning test 6100' or into the Pre Cambrian, which ever is the lesser.

*Controlled by seismic.

GEOLOGICAL PROGRAM

SAMPLES

Ten foot washed and bottled samples are to be caught as follows:

Fine - 1000' to total depth.

Govt:- surface casing to total depth

The Conservation Board's requirements will be made known later.

DRILLING TIMES

The rig will be equipped with a mechanical time drilling device .

CORING

Coring will take place only after a positive drill stem test.

TESTING

Slave Point - any zone within the Slave Point that has staining and/or porosity should be tested.

Sulphur Point-Presquile - any staining or porosity within this zone should be tested.

Granite Wash - testing would depend on log evaluation.

Cont'd.....

LOGGING

- 1) Schlumberger - Dual Induction Laterolog from total depth to surface casing shoe 2" = 100 feet and 5" = 100 feet from total depth to 1000 feet.
- 2) Schlumberger - BHC Sonic log and Caliper from total depth to surface casing shoe 2" = 100 feet and 5" = 100 feet from total depth to 1000 feet. This log is to be integrated.
- 3) Schlumberger - Formation Density log from total depth to 1000' 5" = 100 feet.
- 4) Schlumberger - Sidewall Neutron Porosity log from total depth to 1000' 5" = 100 feet.
- 5) Schlumberger - Lithology Plot from total depth to 1000 feet 5" = 100 feet.

SPECIAL INSTRUCTIONS

- 1) Mud cake and mud filtrate samples will be taken 1 hour, 1/2 hour and immediately on coming out of the hole for logging. The resistivities of the samples should be measured and marked on the logs. The resistivities of drill stem test recoveries should be measured and marked on the logs.
- 2) Cores, after completion of description, will be sent to Core Laboratories, Calgary for analysis.
- 3) Six (6) field prints of all logs are required, four (4) of these are to be marked in the usual manner. Two (2) unmarked sets and two (2) marked sets are to be forwarded to the Calgary office, as soon as possible. Two (2) marked sets are to be retained at the wellsite. Ten (10) final prints of all logs are required.
- 4) Morning reports are to be called in to the Calgary office by 8:30 A.M.
- 5) Weekend calls to:

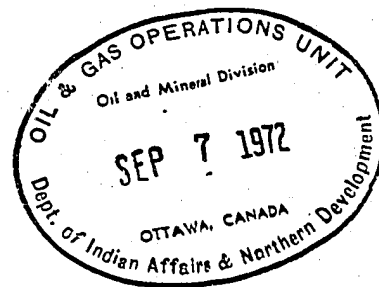
- 1) A. M. Davidson 249 - 5739
- 2) R. Morris 249 - 7878
- 3) ~~R. Morris~~ 249 - 3866
M. G. CASPEN 244 - 8502

AMD/cb

PETROFINA CANADA LTD.
690-11-4-7
FINA GULF TRAINOR LK B-24

Latitude - 60.05389N
Longitude 119.82542 W

Northwest Territories.



FINA GULF TRAINOR LK B-24

TABLE OF CONTENTS

	Pages
<u>SECTION I - Summary of Well Data</u>	
Subsections (a) to (q) inclusive	1-2
<u>SECTION II - Geological Summary</u>	
(a) Formation Tops	3
(b) Cored Intervals - none	
(c) Core Descriptions - none	
(d) Sample Descriptions	4-10
(e) Paleontological Determinations - none made	
<u>SECTION III - Engineering Summary</u>	
(a) Report of Drill Stem Tests	11
(b) Casing Record	12
(c) Bit Record	13
(d) Mud Report	14-15
(e) Deviation Record	16
(f) Abandonment Plugs	17
(g) Lost Circulation Zones	18-19
(h) Report of Blowouts - none encountered	
<u>SECTION IV - Logs</u>	20
<u>SECTION V - Analyses</u>	
(a) Core Analysis - none	
(b) Water Analysis - DST No. 1	21
(c) Gas Analysis - none	
(d) Oil Analysis - none	
<u>SECTION VI - Completion Summary</u>	
None attempted	

Section I

(a) Well Name and No.

FINA GULF TRAINOR LK B-24

(b) Permittee

Gulf Oil Canada Ltd.

(c) Name of Operator

Petrofina Canada Ltd.
736 Eighth Avenue S.W.
Calgary 2, Alberta

(d) Location

Unit B, Section 24, Grid 60-10-119-45
Latitude 60° 03' 14" N. Longitude 119° 49' 31.5" W.
Universal Well Location Reference No.
Lat. 60.05389 N. Long. 119.82542 W.

(e) Unique Well Identifier: 300B246010119450
Co-ordinates

Does not apply - not a development well

(f) Permit or Lease No.

Permit No. 3466

(g) Drilling Contractor

Commonwealth Drilling (Western) Ltd.
Rig No. 15 Make: Brewster N-7

(h) Drilling Authority

573 issued February 7, 1972

(i) Classification

New field wildcat

(j) Elevations

Ground: 1554 K.B.: 1571

(k) Spud Date

February 19, 1972

(l) Completed Drilling

March 22, 1972

(m) Total Depth

6245 Driller

(n) Well Status

Dry and abandoned

(o) Rig Release Date

4 p.m., March 25, 1972

(p) Hole Size

17-1/2 inch from surface to 1272
8-3/4 inch from 1272 to 6245

(q) Casing

13-3/8 inch to 1272 K.B.

Section II(a)

<u>Formation</u>	<u>Sample Tops</u>		<u>Log Tops</u>	
	<u>Depth</u>	<u>Datum</u>	<u>Depth</u>	<u>Datum</u>
Base Drift	1150 _±	+ 420 _±	Behind pipe	
Wabamun (Kotcho)	1749	- 178	1750	- 179
First Shale	2017	- 446	2018	- 447
Second Limestone	2140	- 569	2117	- 546
Kakisa	2925	-1354	2943	-1372
Jean Marie	3114	-1543	3114	-1543
Ft. Simpson	3155	-1584	3155	-1584
Canol	4850 _±	-3280 _±	4822	-3251
Slave Point	4915	-3344	4916	-3345
Watt Mtn.	-	-	5184	-3613
Presquile	5200 _±	-3630 _±	5194	-3623
Keg River	5655 _±	-4085 _±	5666	-4095
Upper Chinchaga	5870 _±	-4300 _±	5862	-4291
'B' Marker	5990 _±	-4420 _±	5981	-4410
Red Beds	6030 _±	-4460	6059	-4488
Pre-Cambrian	6225	-4654	6221	-4650
Total Depth	6245			

Section II(d)

SAMPLE DESCRIPTION

- 1000 - 70 GRAVEL, buff; pieces from 1/4-3/4 inch across; almost entirely weathered limestone; occasional piece weathered granite.
- 1070 - 1150 SAND, very coarse; mostly clear quartz; some orange feldspar, buff limestone, and green black igneous.
- 1150 - 1280 SAND, as above, with 5-20% gray SHALE.
- BASE GLACIAL DRIFT: 1150+ (?)
- Casing set at 1272. Hole drilled with water to 3100.
- 1280 - 1330 CEMENT - appears similar to a claystone, light gray, soft, silty, with very fine black specks; slightly calcareous; forms pink coating around scattered quartz grains.
- 1330 - 70 CEMENT, as above, plus 20% SHALE, dark gray.
- 1370 - 90 SHALE, light-dark gray (70%) and CEMENT, as above (30%).
- 1390 - 1500 QUARTZ SAND: clear, fine-medium; minor GRAVEL, 1/8-1/4 inch pieces made up mostly of igneous rock; scattered cement contamination.
- 1500 - 70 SHALE, medium to dark gray, soft, platy; minor sand, gravel, and cement.
- 1570 - 1750 SHALE, as above, 100%, except for sporadic cement contamination in small amounts.
- WABAMUN: 1749 (good slow drilling break)
- 1750 - 60 SHALE, as above.
- 1760 - 70 SHALE, with trace LIMESTONE, white.
- 1770 - 1810 LIMESTONE, white-tan, micro-crystalline, with a few fossil fragments (30% of sample); remainder shale cave.
- 1810 - 80 LIMESTONE (70-90%) cream-tan; micro-crystalline; scattered crinoid stems and medium crystals; slightly dolomitic in spots; tight; (apparently a crystallized lime mud).

- 1880 - 1910 LIMESTONE, as above, plus minor MARL, brown, earthy.
- 1910 - 2010 SHALE (?) (80%), dark gray, platy; remainder is LIMESTONE and MARL as above.
- 2010 - 80 SHALE (?) (70%), as above; LIMESTONE (20%), cream-tan, micro-crystalline; and SAND (10%), clear quartzose, fine-coarse. (sample particles are mostly very small).
- FIRST SHALE: 2017 (good drilling break)
- 2080 - 2140 SHALE (70%), medium gray, blocky; very calcareous; some well disseminated, very fine pyrite and muscovite. Remainder is dark gray shales and light limestones as above.
- SECOND LIMESTONE: 2140 (good hard drilling break)
- 2140 - 70 LIMESTONE (40%), buff, crypto-crystalline, slightly argillaceous; remainder shale cave.
- 2170 - 2400 SHALE (80-90%), dark gray, platy, and LIMESTONE (10-20%), cream chalky to tan crypto-crystalline; a few larger crystals and fossil fragments; tight. Note: based on nearby well control this section to be considered LIMESTONE, with abundant SHALE cavings.
- 2400 - 2500 LIMESTONE (?) (20% of sample), much as above; predominantly micro-crystalline; occasional crinoid stem and spotted heavy oil stain; remainder SHALE, judged to be cavings.
- 2500 - 2850 LIMESTONE (?) (20%), cream earthy to light brown, crypto-crystalline; a partially crystallized calcilutite or lime mud with a few fine grains, crystals, and fossil fragments; tight.
- 2850 - 2900 LIMESTONE (?) (20%), much as above, but becoming brown gray, fine grained, slightly argillaceous in part; tight.
- 2900 - 25 As above, LIMESTONE decreasing to 10% of sample.
- KAKISA: 2925 (gradational fast drilling break)
- 2925 - 3040 SHALE (?) (90%) medium to dark gray, soft, platy. Remainder is LIMESTONE, as above.
- 3040 - 90 SHALE (70-80% of sample), as above; with inter-bedded LIMESTONE, gray, fine crstalline, silty; brachiopods; a few coarse clear crystals (vugs?); tight.

JEAN MARIE: 3114 (fair slow drilling break)

3090 - 3130 LIMESTONE (30-50%), buff earthy to gray resinous; fine crystalline; buff is clean with some fossil fragments; gray is silty, siliceous and slightly dirty; tight. (remainder is gray shale).

3130 - 55 LIMESTONE (50%), as above, but more arenaceous (grading to fine sand); some brachiopods.

FT. SIMPSON: 3155 (fair gradational fast drill break)

3155 - 70 LIMESTONE (30%), gray, earthy, and argillaceous, plus SANDSTONE (30%), clear, fine to medium grained, quartzitic, with black specks; all tight.

3170 - 3240 SHALE (?) (50%), medium green gray and dark gray, blocky. Although sample is 50% LIMESTONE (brown and gray, micro-crystalline, somewhat earthy and argillaceous), it is logged as SHALE because of drill time and depth.

3240 - 3300 SHALE (80%), dark purple gray and medium green gray; blocky; somewhat micro-micaceous; very minor pyrite. Thin interbeds LIMESTONE (20%), green gray, micro-crystalline; very silty.

Note: Began mudding up @ 3100; viscosity 35 @ 3300.

3300 - 3400 As above, with LIMESTONE decreasing to 10% of sample.

3400 - 3550 SHALE, medium gray and green gray, micro-micaceous; both platy and blocky; zones of SILTSTONE, light green gray, calcareous, and containing large flakes of a silver to brown mica.

3550 - 3600 As above, plus some dark maroon to purple SHALE.

3600 - 3850 SHALE, predominantly green gray - some dark purple gray; micro-micaceous; both platy and blocky; very minor thin LIMESTONE, buff to green, silty and quartzitic.

3850 - 4100 SHALE, as above, with some brachiopod plications; thin beds SILTSTONE; buff to green, quartzitic.

4100 - 4650 SHALE, medium to dark green gray; blocky, soft and containing very little mica.

4650 - 4730 SHALE, as above, becoming somewhat more micro-micaceous plus very minor dark purple gray.

4730 - 90 SHALE, medium green gray micaceous, to dark gray green with faint black spots.

4790 - 4820 SHALE, as above, plus minor dark gray to black, micaceous.

CANOL: 4850₊ (no drilling break)

4820 - 70 SHALE, dark green, platy, smooth and black, blocky, micaceous; traces of LIMESTONE, light green, siliceous (black shale increases from 30% to 80% of sample).

4870 - 4910 SHALE, black, as above (80%).

SLAVE POINT: 4915₊ (poor drilling break)

4910 - 20 SHALE, as above, plus a few pieces LIMESTONE, tan, very fine crystalline, earthy, argillaceous; tight.

4920 - 60 LIMESTONE, mottled tan to dark brown; an earthy rock, ranging from very fine grained to medium crystalline; argillaceous; abundant black bituminous partings and inclusions; numerous Brachiopod plications; a few Tentaculites; tight.

4960 - 80 LIMESTONE, mixture of tan, fine grained, earthy and dark brown, micro-crystalline, resinous, siliceous and bituminous; abundant bituminous shale inclusions; abundant Brachiopods; traces of chert; tight. (80%)

4980 - 5080 LIMESTONE; tan and dark brown types as above, with some development of medium and coarse crystals; very little bituminous shale; brachiopods still abundant.

5080 - 5120 LIMESTONE, becoming predominantly dark brown, crypto-crystalline; bituminous and siliceous; minor buff, earthy.

5120 - 90 LIMESTONE, mixture of buff, chalky lime mud (calcilutite) with some Brachiopods and dark brown, crypto-crystalline; hard and somewhat siliceous; tight; both types are only slightly argillaceous (80%).

LOST CIRCULATION @ 5201 (225 bbls) and recovered with sawdust.

5190 - 5200 LIMESTONE, as above (?) (poor sample from by-pass).

LOST CIRCULATION @ 5215; 2 ft. cavity; recovered with sawdust.

5200 - 10 No sample.

Note: Samples from 5210-5260 taken from flow line; shale shaker by-passed.

PRESQUILE: 5200+ (no drilling break)

5210 - 50 DOLOMITE, milky; mostly coarse; some black bituminous inclusions; traces only of visible vugular porosity, but good vugular porosity inferred from rock type. Minor LIMESTONE; ranges from soft cream chalk to light gray micro-crystalline. (fair sample; 30% Carbonate and 70% SHALE).

At this point Drill Stem Test No. 1, from 5190-5254, was run. Lost circulation after test and spent 3 days in regaining same; used sawdust, burlap bags and Diesel-gel plug.

5250 - 60 ?? Shale and sawdust with trace dolomite.

5260 - 90 DOLOMITE, white to milky, medium to coarse crystalline; small to large inclusions of bituminous matter; very minor LIMESTONE, as above, becoming dolomitic; porosity as above; no stain or fluorescence. (Fair sample: about 20% Dolomite, remainder is shale and sawdust.)

5290 - 5410 Much as above; DOLOMITE becoming gray and brown in part with more abundant bituminous matter; crystals are mostly coarse and well cemented; a few crystals are clear, well developed rhombs; porosity is inferred to be in large vugs; no LIMESTONE; no stain or fluorescence.

5410 - 50 DOLOMITE; mixture of coarse white, as above, and light brown, fine to medium crystalline, clean, with some poor inter-crystalline porosity.

BROWN REEF: 5450

5450 - 70 DOLOMITE, light brown, as above.

LOST CIRCULATION @ 5476 after trip for bit. Regained with burlap bags.

5470 - 80 No sample.

- 5480 - 5600 DOLOMITE, ranges from tan, earthy, friable, with poor inter-crystalline porosity to light brown gray, well cemented and tight except for traces of vugular porosity; fine to medium crystalline; occasional large white crystals; very minor disseminated anhydrite.
- 5600 - 50 DOLOMITE, as above with some darker brown and generally tighter.
- KEG RIVER: 5655 $\pm$ (no drilling break)
- 5650 - 60 DOLOMITE, as above plus equal amount of black, very fine crystalline.
- 5660 - 5700 DOLOMITE, dark brown to black, very fine crystalline, very bituminous; scattered light coloured spots with larger crystals and fossil outline (Tentaculites and others); tight.
- 5700 - 60 DOLOMITE, mixture of predominantly black, very fine crystalline and very bituminous, together with light brown, fine to medium crystalline, friable and relatively clean. A few scattered clear, coarse crystals indicate some large vugs. Brachiopods and Tentaculites.
- 5760 - 5850 DOLOMITE, mostly dark brown, medium to coarse crystalline with resinous appearance; some black and light brown as above. Tight. Minor disseminated anhydrite (appears as a soft, tan powder or dust on pieces of dolomite). Few white coarse crystals in lower 30 ft.
- 5850 - 70 DOLOMITE, as above, with increasing amount of gray, crypto-crystalline.
- UPPER CHINCHAGA: 5870 $\pm$ (no drilling break)
- 5870 - 5900 DOLOMITE, mostly light to dark gray, crypto-crystalline, argillaceous; some black bituminous, fine to coarse crystalline; ANHYDRITE, bedded, white, very fine crystalline, sucrosic (most of it appears as cream chalk due to mud condition).
- 5900 - 30 DOLOMITE, brown to dark gray argillaceous; crypto-crystalline; hard; interbeds of ANHYDRITE, cream, chalky, soft.
- 5930 - 90 ANHYDRITE and DOLOMITE, as above, plus SHALE, dark green gray, blocky; soft, brittle (anhydritic?)

'B' MARKER: 5990 (no drilling break)

- 5990 - 6010 As above 5930-90 plus minor SHALE, bright green, hard, with floating quartz grains.
- 6010 - 30 Mixture of SHALE, bright green with imbedded quartz grains; SANDSTONE, clear, medium to coarse; vitreous and quartzitic; DOLOMITE, light to dark gray, crypto-crystalline and hard; SHALE, dark gray; occasional loose, large, frosted quartz grain; minor ANHYDRITE, as above.

RED BEDS: 6030₊ (no drilling break)

- 6030 - 40 SHALE and SANDSTONE with minor ANHYDRITE and DOLOMITE. Shale is maroon, dolomitic and sandy in spots; Sandstone, Anhydrite and Dolomite, as above, red in places.
- 6040 - 50 MUDSTONE, brick red soft and SHALE, maroon, hard; SANDSTONE, white with some red and green; ranges from fine to very coarse; tight; ANHYDRITE, white to light red.
- 6050 - 70 As above ? (poor samples - abundant cavings)
- 6070 - 80 MUDSTONE, maroon purple; dolomitic and anhydritic; minor DOLOMITE, light gray, very fine crystalline, with poor porosity.
- 6080 - 6100 MUDSTONE, as above, plus DOLOMITE, light gray, crypto-crystalline, anhydritic; minor ANHYDRITE, cream.
- 6100 - 40 MUDSTONE, light brick red, dolomitic and anhydritic, with scattered quartz grains; minor ANHYDRITE.
- 6140 - 6225 MUDSTONE, as above, but varies from light red, soft, to maroon hard; quartz grains are mostly medium, sub-round, and frosted; ANHYDRITE is mostly cream soft chalk (weathered), with some light gray micro-crystalline.

PRE-CAMBRIAN: 6225 (no drilling break)

- 6225 - 40 WEATHERED IGNEOUS ROCK: Soft white clay with spots light, green mineral; white to gray mixture of quartz and potash feldspar, coarse crystalline, with inclusions of dark green, platy, mafic minerals (20-40%).
- 6240 - 45 As above with fresher or less weathered appearance (50%).

TOTAL DEPTH: 6245 Driller

SECTION III - ENGINEERING SUMMARY

(a)

DRILL STEM TEST RECORD

DRILL STEM TEST NO. 1 (Bottom Hole)

Formation: PRESQUILE

Interval: 5190-5254

Duration: PF 5 min. ISI 30 min.
 VO 60 min. FSI 90 min.

Results: Strong air blow on preflow; immediate
 strong air blow on main flow, decreasing
 to nil in 30 minutes.

Recovery: Total of 4348 ft. of fluid, consisting of
 830 ft. of black sulphurous water cut mud
 and 3518 ft. of black, sulphurous salt water.
 (101,000 ppm NaCl)

Pressures: ISIP 2087 psi IFP 1982 psi IHP 2544 psi
 FSIP 2086 " FFP 2086 " FHP 2507 "

2 copies of D.S.T. No. 1 - charts and report - sent March 24, 1972

CASING RECORD

Ran 35 joints of 13-3/8 inch surface casing.
Consists of 11 joints 48 lb. K-55, Range 2, new
Mannesman and 24 joints of 54.5 lb. K-55, Range 3
new Czechoslovakian; total of 1274.00 ft.

Used guide shoe, float collar and two centralizers.
Landed at 1272 K.B. on bottom.

Cemented with 1200 sacks normal construction cement
plus 2% Calcium Chloride.

Slurry weight 15.6 lbs.
35 barrels cement returns

Plug down at 5:35 p.m., February 25, 1972.

Section III(c)BIT RECORD

<u>No.</u>	<u>Size (Ins.)</u>	<u>Type</u>	<u>Make</u>	<u>Jet Size (16th In.)</u>	<u>Depth Out</u>	<u>Feet</u>	<u>Hours</u>
1A	17.5	S3J	Security	3 @ 18	169	169	. 8
2A	17.5	S3J	"	3 @ 18	500	331	16-1/2
3A	17.5	OSC3J	Hughes-W	3 @ 18	849	349	17-1/4
4A	12.25	OSC3	"	Convent.	1282	433	14-1/2
5A	17.5	Pilot Reamer	Smith	"	1125	276	10
6A	17.5	OSC3J	Hughes-W	Open	1272	147	4-3/4
1	8.75	X1G	"	3 @ 11	2587	1315	37
2	8.75	X1G	"	2 @ 11 1 @ 12	2787	200	8-1/4
3	8.75	X1G	"	2 @ 11 1 @ 12	3808	1021	34-1/2
4	8.75	X3A	"	1 @ 11 2 @ 12	4800	992	26-1/2
5	8.75	XDV	"	Open	5019	219	24
6	8.75	XDV	"	"	5254	235	28-1/2
7	8.75	X7	"	"	5476	222	20-1/4
8	8.75	X55R*	"	3 @ 20	5692	216	17-3/4
9	8.75	X55R	"	3 @ 20	5931	239	29-1/4
10	8.75	X7	"	3 @ 20	6059	128	27-1/2
11	8.75	W7R2	"	3 @ 16	6190	131	26-1/4
12	8.75	XDV	"	3 @ 16	6245	55	7

*Re-run

Section III(d)

MUD REPORT

Hydrogel

1438 Sacks @ 100 lbs/sack 143,800 lbs.

Caustic

62 sacks @ 50 lbs/sack 3,100 lbs.

Bicarbonate

400 lbs.

Soda Ash

28 sacks @ 100 lbs/sack 2,800 lbs.

Interlock (for lost circulation)

133 sacks @ 50 lbs/sack 6,650 lbs.

Cane Fibre (for lost circulation)

25 sacks @ 40 lbs/sack 1,000 lbs.

Beflex

87 sacks @ 2 lbs/sack 174 lbs.

CMC

21 sacks @ 50 lbs/sack 1,050 lbs.

Peltex

13 sacks @ 50 lbs/sack 650 lbs.

Sawdust

675 bags @ 40 lbs/bag 2,700 lbs.

Cement (for lost circulation)

600 lbs.

Burlap Bags (for lost circulation)

350

Hole drilled with water to 3300 ft.; gel added from this point on.

Mud weight from 8.9 - 9.2 lbs. per gallon.

Viscosity from 35-55 from 3300-4800 ft.

" about 90 from 4800-6000 ft.

" " 120-190 from 6000-6245 ft. (total depth)

DEVIATION RECORD

<u>Depth</u>	<u>Deviation</u> <u>(degrees)</u>
90	1/2
120	1
150	1
200	1
230	7/8
262	1
292	1-1/2
324	1
353	1
386	1
415	1
447	1-1/8
478	1
510	1/2
541	3/4
569	3/4
601	1/2
631	1
664	1
694	1
724	1
756	1
786	7/8
818	1/2
849	1
881	3/4
912	3/4
974	5/8
1036	1/2
1096	1/4
1158	1/4
1219	1/8
1280	1/2
1520	1
1764	3/4
2007	1/2
2250	3/4
2525	1-1/8
2770	3/4
3046	1/2
3320	1/2
3580	1/4
3771	1/4
4022	0
4275	1/8
4512	1
4800	1
5900	3/4
5246	1-1/2
5676	1-3/4
5921	1-1/4
6245	1

PLUGS

No. 1

6245-5800 235 sacks cement; plug down
7:00 p.m., March 24, 1972

No. 2

5244-5144 52 sacks cement + 2% Calcium Chloride;
plug down 2:00 p.m., March 24, 1972.
Felt plug @ 5110 @ 9 p.m., March 24;
34 ft. high.

No. 3

4965-4865 52 sacks cement plus 2% Calcium Chloride;
plug down 9:45 p.m., March 24.
Felt plug @ 4835 @ 4:00 a.m. March 25;
30 ft. high.

No. 4

1322-1222 109 sacks cement plus 2% Calcium Chloride;
plug down 6:30 a.m., March 25.
Felt plug at 1185, 11:15 a.m., March 25;
37 ft. high.

No. 5

5 sacks cement for surface plug; welded on 1/2 inch
plate with identification plaque 4 ft. above ground in
afternoon of March 25, 1972.

LOST CIRCULATION ZONES

Lost circulation several times in top of Presquille reef from 5200-15 ft. Encountered a 2-foot cavity from 5213-15.

March 9-10, 1972

Lost circulation at 5200; regained after mixing in 200 sacks of sawdust and 10 sacks of Interlock (fibres); lost 150 barrels of mud to formation.

Lost circulation at 5215 (Kelly dropped 2 ft. from 5213-15). Regained after mixing in 225 sacks sawdust and 20 sacks Interlock.

Ran DST No. 1 from 5190-5254 and recovered 800 ft. mud and 3500 ft. salt water. Ran in to drill ahead and lost circulation again (250 barrels to formation).

March 12, 1972

Pump down 550 barrels mud (gel) with 32 sacks of Interlock and 12 sacks of cane fibre. Failed to regain circulation; hole on vacuum.

March 13, 1972

Mixed Diesel-gel plug using 40 bbls. Diesel and 150 sacks hydrogel. Pumped down pipe, using Haliburton unit, with 10 barrels straight Diesel ahead and 5 barrels behind. Found solid plug @ 5152. Mixed tanks full of mud, drilled ahead through plug to 5215, then lost circulation again.

Pulled out and ran back in open end. Put 150 empty, wet, burlap bags down hole and chased with water; regained circulation. Pulled out, put on bit, ran in to drill ahead and lost circulation again.

March 14, 1972

Pulled out and ran back in open end. Pumped down 200 empty burlap sacks plus 2 sacks Interlock. Regained circulation as soon as sacks hit bottom. Made one complete circulation and then made trip for bit and drilled ahead. Hole was bridged with bags from 4915-5164 (bottom).

March 16, 1972

Lost circulation after getting to bottom with next bit change (No. 8 @ 5476). Repeated above treatment using 150

burlap bags and adding 6 sacks of cement (mixed together).
Circulated 2 hours to bring bags around. Made trip for bit
and drilled ahead.

No further trouble with lost circulation from this
date and depth to total depth.

Section IV

LOGS

Mar 22/72 Dual Induction-Laterolog (DILL)

2" = 100 ft. scale is Log-Linear, using
LL₈ ILd: Surface casing to T.D. 6250

5" = 100 ft. scale: DILL from surface
casing to T.D. 6250

Mar 22/72 Borehole Compensated Sonic Log with Gamma and Caliper

2" = 100 ft. Surface casing to T.D.

5" = 100 ft. 1600-3200 and 4800 to T.D.

Mar 23/72 Formation Density with Gamma and Caliper

5" = 100 ft. scale from 1600-3200 and
4800 to T.D.

Mar 23/72 Sidewall Neutron Porosity with Gamma and Caliper

5" = 100 ft. 1600-3200 and 4800 to T.D.

Lithology Log

Made from overlay of Formation Density and
Sidewall Neutron Porosity Logs:
1600-3200 ft. and 4800 to T.D.

All logs by Schlumberger.

SECTION V - ANALYSES

Section V

(a) Core Analysis

None

(b) Water Analysis

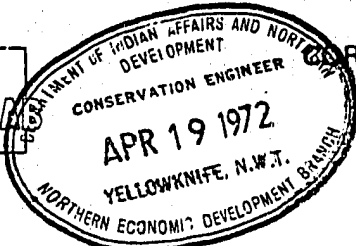
D. S. T. No. 1 (above tool) - 3 copies sent April 10, 1972
(Lab Report No. 933-2408)

(c) Gas Analysis

None

(d) Oil Analysis

None



CORE LABORATORIES - CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS



File 933-2408 Page 1 of 2

Company Petrofina Canada Ltd.

Well Fina Gulf Trainor Lk B-24 K.B. Grd. 1554'

Location 60 03'14.00 N.L.
119 49'31.50 W.L. Field Trainor Lake Area Province N.W.T.

Formation Slave Point Interval 5190' - 5254'

Sampled from DST #1 (Above Tool) by

Date sampled March 10/72 Date analysed April 3/72 Analys: LK

Recovery

 Mud type Water cushion

Total Solids:

Resistivity 0.071 Ohm-meters @ 70 °F Calculated 123,662 mg/liter

Specific gravity 1.0855 @ 60°F By evaporation @ 110°C - mg/liter

pH 6.8 H₂S Absent By evaporation @ 180°C - mg/liter

Refractive Index 1.3550 @ 73°F At ignition - mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO ₃	SO ₄	CO ₃	OH
35284	10288	1314	Pres.	-	-	-	75808	561	407	Nil	Nil

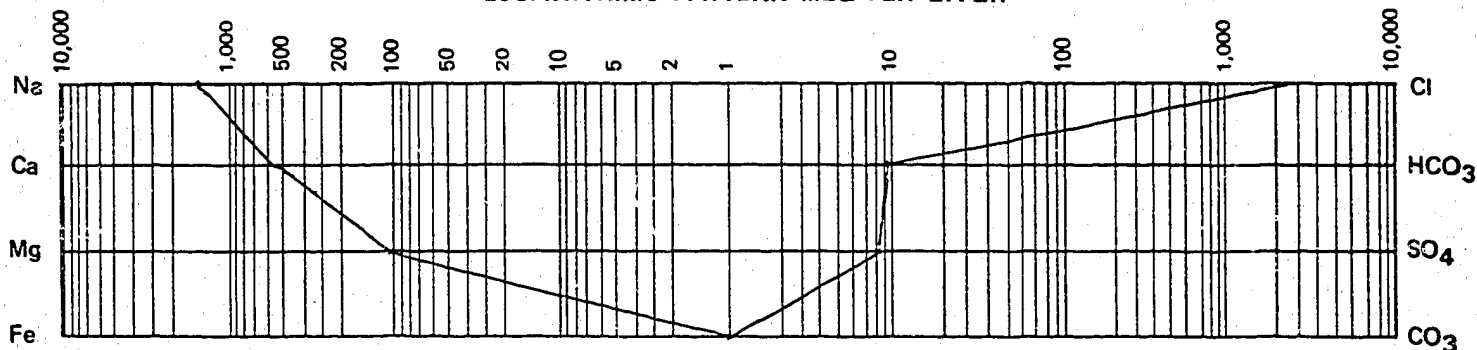
PER CENT CALCULATED SOLIDS

28.5	8.3	1.1	Pres.	-	-	-	61.3	.5	.3	.0	.0
------	-----	-----	-------	---	---	---	------	----	----	----	----

MEQ PER LITER

1534.1	513.4	108.0	Pres.	-	-	-	2137.8	9.2	8.5	.0	.0
--------	-------	-------	-------	---	---	---	--------	-----	-----	----	----

LOGARITHMIC PATTERN MEQ PER LITER



123849. 35284.0



CORE LABORATORIES - CANADA LTD.
PETROLEUM RESERVOIR ENGINEERING



Company Petrofina Canada Ltd. Page 2 of 2
Well Fina Gulf Trainor Lk B-24 File 933-2408
Field Trainor Lake Area, Northwest Territories Analyst LK
60 03'14.00 N.L.
Location 119 49'31.50 W.L. Elevation: K.B. Grd. 1554'
Formation _____ Depth _____
Sampled from Center Sump by _____
Sampling pressure _____ psig Sampling temp. _____ °F Ambient temp. _____ °F
Date sampled _____ Date received March 28/72 Date analysed April 3/72
Container pressure _____ Mud _____ Water cushion _____
Recovery or flowrate: _____

Mud Filtrate Analysis

Resistivity 5.00 Ohm-meters @ 75°F
Chloride 397 mg/liter





CORE LABORATORIES - CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS



File 933-2408 Page 1 of 2

Company Petrofina Canada Ltd.

Well Fina Gulf Trainor Lk B-24 K.B. Grd. 1554'

Location 60 03'14.00 N.L.
119 49'31.50 W.L. Field Trainor Lake Area Province N.W.T.

Formation Slave Point Interval 5190' - 5254'

Sampled from DST #1 (Above Tool) by

Date sampled March 10/72 Date analysed April 3/72 Analyst LK

Recovery

 Mud type Water cushion

Total Solids:

Resistivity 0.071 Ohm-meters @ 70 °F Calculated 123,662 mg/liter

Specific gravity 1.0855 @ 60°F By evaporation @ 110°C - mg/liter

pH 6.8 H₂S Absent By evaporation @ 180°C - mg/liter

Refractive Index 1.3550 @ 73°F At ignition - mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO ₃	SO ₄	CO ₃	OH
35284	10288	1314	Pres.	-	-	-	75808	561	407	Nil	Nil

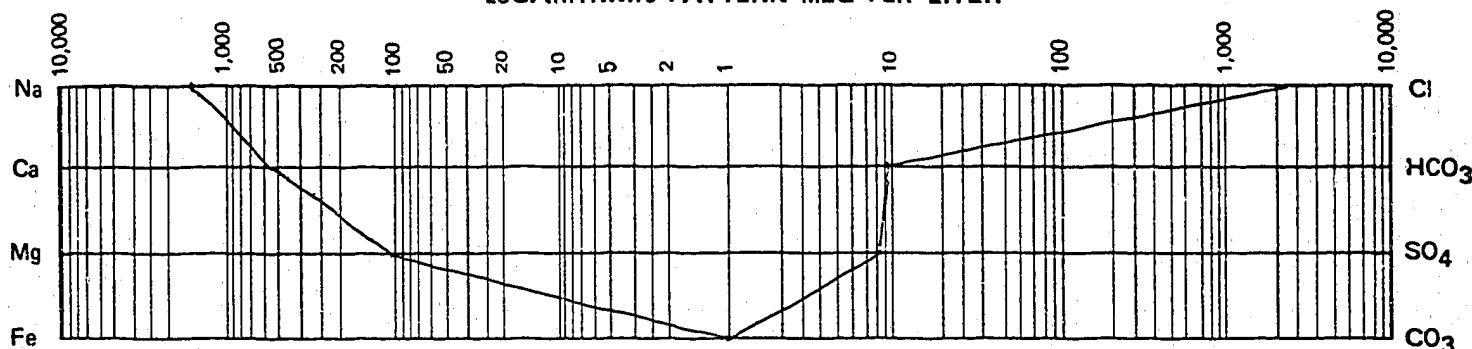
PER CENT CALCULATED SOLIDS

28.5	8.3	1.1	Pres.	-	-	-	61.3	.5	.3	.0	.0
------	-----	-----	-------	---	---	---	------	----	----	----	----

MEQ PER LITER

1534.1	513.4	108.0	Pres.	-	-	-	2137.8	9.2	8.5	.0	.0
--------	-------	-------	-------	---	---	---	--------	-----	-----	----	----

LOGARITHMIC PATTERN MEQ PER LITER



123849. 35284.0



CORE LABORATORIES - CANADA LTD.
PETROLEUM RESERVOIR ENGINEERING



Company Petrofina Canada Ltd. Page 2 of 2
Well Fina Gulf Trainor Lk B-24 File 933-2408
Field Trainor Lake Area, Northwest Territories Analyst LK
Location 60 03'14.00 N.L.
119 49'31.50 W.L. Elevation: K.B. _____ Grd. 1554'
Formation _____ Depth _____
Sampled from Center Sump by _____
Sampling pressure _____ psig Sampling temp. _____ °F Ambient temp. _____ °F
Date sampled _____ Date received March 28/72 Date analysed April 3/72
Container pressure _____ Mud _____ Water cushion _____
Recovery or flowrate: _____

Mud Filtrate Analysis

Resistivity 5.00 Ohm-meters @ 75°F
Chloride 397 mg/liter



For St. John

FORMATION TESTING DATASHEET

REFER TO
INVOICE NO. 5844

JOB DATE March 10, 1972

OWNER, OPERATOR OR HIS AGENT STATES THE WELL IS IN CONDITION FOR THE SERVICE JOB TO BE PERFORMED AND SUBMITS THE FOLLOWING DATA:

PRESSURE DATA			
	TOP	CENTRE	BOTTOM
GAUGE NUMBER	2619		436
EDGE DEPTH	5168		5215
ANKED OFF	YES/NO	YES/NO	YES/NO
DUR CLOCK TRAVEL	24 hr.		24 hr.
INITIAL HYDROSTATIC	2522		2544
TEST	INITIAL		1977
LOW	FINAL		2004
FIRST CLOSED IN	2061		2087
SECOND FLOW	INITIAL		1982
	FINAL		2086
SECOND CLOSED IN	2061		2086
THIRD FLOW	INITIAL		
	FINAL		
THIRD CLOSED IN			
FINAL HYDROSTATIC	*		2507

TYPE OF TEST	TESTER	EMPL. NO.
Bottom Hole	G. Haus	204
WITNESS	DRILLING CONTRACTOR	
H. McIntyre	Commonwealth #15	

EQUIPMENT AND WELL DATA			
FORMATION TESTED <u>Slave Point</u>		GAUGE DEPTH <u>88</u> OF MEAS TEMPERATURE _____ OF EST.	
NET PRODUCTIVE THICKNESS _____ FT.		MUD TYPE <u>Gel</u>	
K B ELEVATION <u>1581</u>		MUD WEIGHT <u>9.7</u>	MUD VISC. <u>88</u>
ALL DEPTHS MEASURED FROM: ☒ KB ☐ GROUND		CASING OR HOLE SIZE <u>8 3/4"</u>	
PACKER DEPTHS	TOP _____ BOTTOM <u>5190</u>	HATHOLE SIZE <u>N/A</u>	
DEPTH OF TESTER WARE	<u>5158</u>	DRILL PIPE <u>4 1/2"</u>	WEIGHT <u>16.6</u>
CASING PERFORATED INTERVAL	<u>N/A</u>	DRILL COLLARS ABOVE TESTER <u>2 7/8"</u>	ID _____ LENGTH <u>555'</u>
TOTAL DEPTH	<u>5234</u>	SURFACE CHOKE <u>1"</u>	
AMOUNT AND TYPE CUSHION	<u>Nil</u>	BOTTOM CHOKE <u>5/8"</u>	

TIME PERIODS						
	FIRST	SECOND	THIRD		AM	PM
FLOW	5	60		TESTER OPENED	2:45	
CLOSED IN	30	90		PACKER UNSEATED	5:50	

FLUID SAMPLER DATA			
SAMPLER PRESSURE AT SURFACE _____	PSIG		
RECOVERY: C.C. OIL _____	CU. FT. GAS _____		
C.C. WATER _____			
C.C. MUD _____			
TOTAL LIQUID C.C. _____			
OIL GRAVITY _____	API @ _____	OF _____	
GAS/OIL RATIO _____	CU. FT. / BBL.		
RESISTIVITY / REFRACTOMETER / SP. GR. READING _____		CHLORIDE CONTENT	
✓ RECOVERY WATER _____	@ _____	OF _____	PPM
RECOVERY MUD FILTRATE _____	@ _____	OF _____	PPM
MUD PIT SAMPLE FILTRATE _____	@ _____	OF _____	PPM

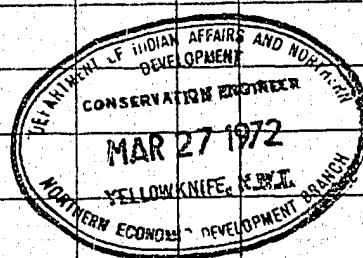
SAMPLE SHIPPED ☐ YES
 TO LABORATORY: ☐ NO

LIQUID RECOVERY DATA	
FEET	DESCRIPTION OF LIQUID
830	Black sulfur salt water cut
	drilling mud
3518	Salt water
4348	TOTAL LIQUID RECOVERY

[illegible]

REMARKS. Strong air blow during first flow. Very strong air blow decreasing to nil in 30 mins. of second flow.

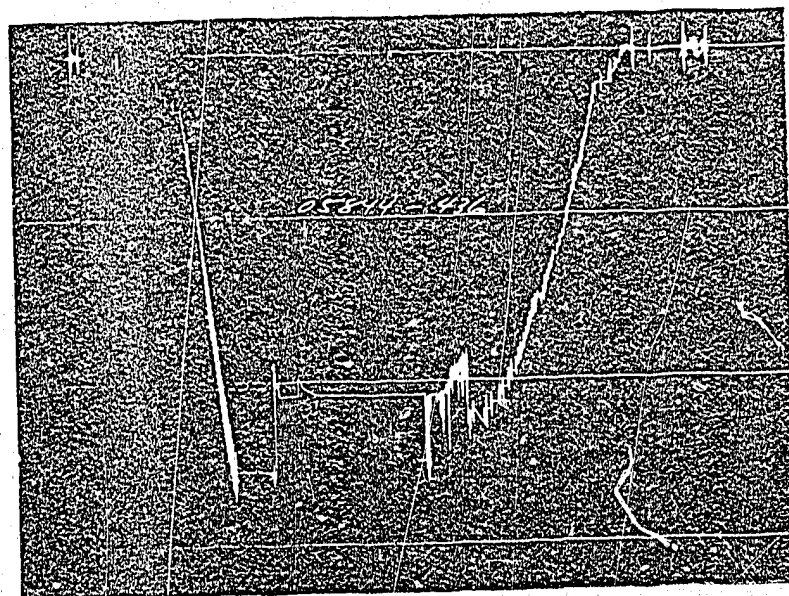
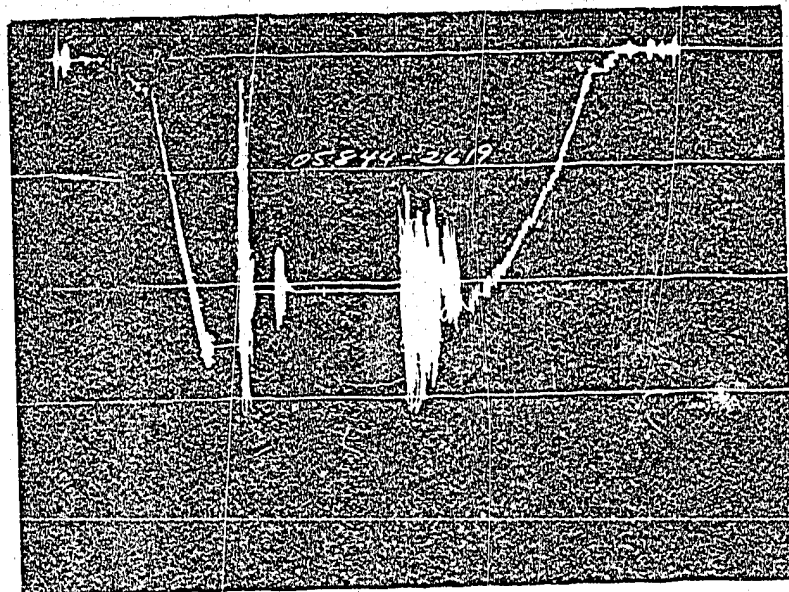
* Not readable



COMPANY	PETRO FINA CANADA LTD.	FIELD OR TERRAINOR AREA	FINA GULF TERRAINOR LK B-24
LEGAL DESCRIPTION	60° 31' 14" N 119° 49' 31.5" W	PROVINCE OR TERRITORY	N.W.T.
		TEST NUMBER	1
		TESTED INTERVAL	5190 - 5254

TIME →
PRESSURE ↓

Each horizontal line
equal to 1000 psi



Fina Gulf Trainor Lk B-24
Drilling Report

COMMONWEALTH DRILLING (WESTERN) LTD.

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO. 15

LOCATION

Finn Gulf TKNIVER L.K.

LSD. B

SEC 24

TWP.

RGE.

W.

DATE

MAR 25/

1972

MAILING
POINTSHIPPING
POINTMILES
MOVEDROAD
CONDITIONSDAYS FROM
SPUDTOUR
MIN
IGHT
TO
8
AM
TO
4
PM
TOUR
MIN
IGHT
TO
4
PM
TOUR
MIN
IGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly		
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
M.U.D.	12 m.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m.	7 a.m.	4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change	
WEIGHT					No. 1	PRES. SURE				No. 2	PRES. SURE				1	Fuel 2-6	
VISCOSITY					MODEL	S.P.M.				MODEL	S.P.M.				2		
GEL					LINER SIZE					LINER SIZE					3		
W.L.	F.C.	pH.	DESILTER: Hours Op:	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees							4		
ADDITIVES:	Best PWS No. 3	GENERAL:	Best PWS No. 4	1222-1322											5		
	@ 4:30 AM @ 4:35		W/109 SKI + 2% CACI														
			Paul Down @ 6:36 AM.														
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool				
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly		
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
M.U.D.	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change	
WEIGHT					No. 1	PRES. SURE				No. 2	PRES. SURE				1		
VISCOSITY					MODEL	S.P.M.				MODEL	S.P.M.				2		
GEL					LINER SIZE					LINER SIZE					3		
W.L.	F.C.	pH.	DESILTER: Hours Op:	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees							4		
ADDITIVES:		GENERAL:	Best PWS No. 4	@ 11:55											5		
			@ 1:15 PM.														
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool				
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly		
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
M.U.D.	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change	
WEIGHT					No. 1	PRES. SURE				No. 2	PRES. SURE				1		
VISCOSITY					MODEL	S.P.M.				MODEL	S.P.M.				2		
GEL					LINER SIZE					LINER SIZE					3		
W.L.	F.C.	pH.	DESILTER: Hours Op:	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees							4		
ADDITIVES:		GENERAL:													5		
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool				
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly		
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
M.U.D.	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change	
WEIGHT					No. 1	PRES. SURE				No. 2	PRES. SURE				1		
VISCOSITY					MODEL	S.P.M.				MODEL	S.P.M.				2		
GEL					LINER SIZE					LINER SIZE					3		
W.L.	F.C.	pH.	DESILTER: Hours Op:	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees							4		
ADDITIVES:		GENERAL:													5		
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool				

REMARKS		TIME									
START	STOP	INTVL									
W.O.C. & FEEL PWS #3	4:30	4:30	4 1/2								
Run PWS #4	4:30	6:30	2								
W.O.C. & Lay Down D.P.	6:30	8:00	1 1/2								
C.B.O.P.											
FIRES											
W.O.C.	4:00	1:00	5								
Best PWS No. 4 @ 11:55	1:00	1:15	5 1/4								
Lay Down D.P.	1:15										
TEAR OUT B.O.P.			4:00 7 1/4								
Run 5 SK PWS @ SURFACE AND WELDED 1/2" PLATE ON TOP											
3" BELOW SURFACE PUT WELL NAME AND LOCATION NO. SIGN ON TOP.			4:00 2 1/4								
Rig released @ 4:00 PM. 7/25/72			25/72								
FIRES											
Cut Csg BOWL & Hold plate											
Tear Out	4:00	12:00	8								
FIRES											
DRILLER'S SIGNATURE		TRANSFER #									
Casing Report		RAN		JTS	CSG	RENTAL EQUIPMENT ON HAND	TOTAL COMPANY TIME		TOTAL CONTRACTOR'S TIME		
Fuel on Hand 12:01 a.m.		gals.		TO		KB. USED	SAX	C&M	DAYS FROM SPUD:		
Fuel Rec'd Today (add)		gals.		PLUS		%	PLUG DOWN	A.M.	EQUIPMENT CHANGES		
TOTAL		gals.		CEMENT RETURNS - (YES/NO)		EQUIPMENT CHANGES		Approved by Operator's Representative		Approved by Toolpusher	
Fuel on Hand 11:59 p.m. (deduct)		gals.		CEMENT RETURNS - (YES/NO)		EQUIPMENT CHANGES		Approved by Operator's Representative		Approved by Toolpusher	
FUEL USED		gals.		CEMENT RETURNS - (YES/NO)		EQUIPMENT CHANGES		Approved by Operator's Representative		Approved by Toolpusher	

CONSERVATION BOARD COPY

COM 48173

COMMONWEALTH DRILLING (WESTERN) LTD.

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO. 15

LOCATION

FINA - 6-41-TRAILER 1K

LSD. 13

SEC. 24

TWP.

RGE.

W.

DATE

MAR 24

1972

MAILING
POINTSHIPPING
POINTMILES
MOVEDROAD
CONDITIONSDAYS FROM
SPUD

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	REMARKS	TIME	START	STOP	INTVL.			
1245					5624	70	61	6								W.O.D		1245	800	8			
MUD 12 mn. 2 a.m. 4 a.m. 6 a.m. PUMP 12 mn. 2 a.m. 4 a.m. 6 a.m. PUMP 12 mn. 2 a.m. 4 a.m. 6 a.m. MOTOR HOURS																							
WEIGHT																							
VISCOSITY																							
GEL																							
W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS																							
ADDITIVES: GENERAL:																							
Weather Temp. Water Bbls.																							
Drilling Line Record																							
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly								
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.						
MUD 8 a.m. 10 a.m. 12 noon 2 p.m. PUMP 8 a.m. 10 a.m. 12 noon 2 p.m. PUMP 8 a.m. 10 a.m. 12 noon 2 p.m. MOTOR HOURS																							
WEIGHT																							
VISCOSITY																							
GEL																							
W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS																							
ADDITIVES: PUMP No. 1 6245' GENERAL: PUMP No. 2 5144' - 5244' 5800' w/ 235 SK's CEMENT w/ 52 SK's + 290 CALCI PUMP DOWN 200 PM																							
Weather Temp. Water Bbls.																							
Drilling Line Record																							
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly								
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.						
MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. MOTOR HOURS																							
WEIGHT																							
VISCOSITY																							
GEL																							
W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS																							
ADDITIVES: PUMP No. 2 5144' - 5244' 5800' w/ 235 SK's CEMENT w/ 52 SK's + 290 CALCI PUMP DOWN 200 PM																							
Weather Temp. Water Bbls.																							
Drilling Line Record																							
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly								
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.						
MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. MOTOR HOURS																							
WEIGHT																							
VISCOSITY																							
GEL																							
W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS																							
ADDITIVES: PUMP No. 2 5144' - 5244' 5800' w/ 235 SK's CEMENT w/ 52 SK's + 290 CALCI PUMP DOWN 200 PM																							
Weather Temp. Water Bbls.																							
Drilling Line Record																							
B.O.P. Tested Elapsed Pres. Packing & Seal Inspected Date Crown-o-matic Chk'd. Fuel on Hand 12.01 a.m. gals. CASING REPORT																							
Hydril Rig Savers Chk'd. Fuel Rec'd Today (add) gals. RAN JTS CSG RENTAL EQUIPMENT ON HAND																							
Pipe Rams. Kelly Cock Chk'd. TOTAL gals. TO KB. USED SAX CEM																							
Blind Rams. Fire Equip. Chk'd. Fuel on Hand 11.59 p.m. (deduct) gals. PLUS % PLUG DOWN A.M. P.M. DAYS FROM SPUD: TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.																							
TOTCO RING ON B. Bottom Operated: 4A																							
FUEL USED gals. CEMENT RETURNS (YES/NO) EQUIPMENT CHANGES																							
Approved by Operator's Representative																							
Approved by Toolpusher																							

CONSERVATION BOARD COPY

COM 481721

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO. 15 LOCATION FINA GULF TRAINER L.K. LSD B SEC 24 TWP. RGE. W. DATE MAR 23/72 19 72

MAILING
POINT

SHIPPING
POINT

MILES
MOVEDROAD
CONDITIONS

DAYS FROM
1911

[illegible]

CONSERVATION BOARD COPY

COM 48171

COMMONWEALTH DRILLING (WESTERN) LTD.

DAILY DRILLING LOG
DIRECTIONS TO
WELLRIG NO. 15 LOCATION FIND GOLF TAPINER L.K. LSD. B SEC. 24 TWP. W DATE MAR 22 19 73
MAILING POINT SHIPPING POINT MILES MOVED ROAD CONDITIONS DAYS FROM SPUD

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	REMARKS	START	STOP	INTVL.
6190				165	3363.57	60	2	19	7	2 3/8	586.60	496			6	Rig Ser - Bops	12:00	12:15	15
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.		
11	8 3/4	WDR	3-16	24055															
12	8 3/4	WDR	3-16	38467															
M.U.D. 12 mn. 2 a.m. 4 a.m. 6 a.m. PUMP 12 mn. 2 a.m. 4 a.m. 6 a.m. PUMP 12 mn. 2 a.m. 4 a.m. 6 a.m. MOTOR HOURS																			
WEIGHT 9.0 TRIP No. 1 PRES. SURE 650 No. 2 PRES. SURE 60																			
VISCOSITY 155 MODEL S.P.M. 60 ON TANK																			
GEL LINER SIZE 5 1/2 x 14																			
W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees																			
ADDITIVES: GENERAL: WATER TRUCK 3 HR.																			
Weather Temp. Water Bbls.																			
Drilling Line Record Size Make Serial No. No. Lines Trips Ton Miles Total Miles Slip Feet or Cut At Miles Date Slip or Cut Next Slip Ft. Left on Spool																			
6190	55	6245	7	166	5624.75			19	7	2 3/8	586.60	496			12	FIRES 11-4-2" 2 1/2" Driller's Signature			
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.		
12	8 3/4	WDR	3-16	38467	45	60	55	7			1	650	60						
M.U.D. 8 a.m. 10 a.m. 12 noon 2 p.m. PUMP 8 a.m. 10 a.m. 12 noon 2 p.m. PUMP 8 a.m. 10 a.m. 12 noon 2 p.m. MOTOR HOURS																			
WEIGHT 9.0 9.0 9.0 9.0 No. 1 PRES. SURE 650 650 650 650 No. 2 PRES. SURE																			
VISCOSITY 140 170 175 190 MODEL S.P.M. 60 60 60 60 ON TANK																			
GEL LINER SIZE 5 1/2 x 14																			
W.L. 8.4 F.C. 2/3 pH. 10.5 DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees																			
ADDITIVES: GEL - 10 SP. GENERAL: 6 1/2 x 1																			
Weather Temp. Water Bbls.																			
Drilling Line Record Size Make Serial No. No. Lines Trips Ton Miles Total Miles Slip Feet or Cut At Miles Date Slip or Cut Next Slip Ft. Left on Spool																			
6245					5624.75			19	7	2 3/8	586.60	496				FIRES			
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.		
M.U.D. 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. MOTOR HOURS																			
WEIGHT 9.0 No. 1 PRES. SURE 650 No. 2 PRES. SURE																			
VISCOSITY 180 MODEL S.P.M. 60																			
GEL LINER SIZE 5 1/2 x 14																			
W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees																			
ADDITIVES: GENERAL:																			
Weather Temp. Water Bbls.																			
Drilling Line Record Size Make Serial No. No. Lines Trips Ton Miles Total Miles Slip Feet or Cut At Miles Date Slip or Cut Next Slip Ft. Left on Spool																			
B.O.P. Tested Elapsed Time Pres. Packing & Seal Inspected Date Crown-a-matic Chk'd. Fuel on Hand 12.01 a.m. gals. CASING REPORT RAN JTS CSG RENTAL EQUIPMENT ON HAND TRANSFER #																			
Hydriil Rig Savers Chk'd. Fuel Rec'd Today (add) gals. TO KB. USED SAX CEM																			
Pipe Rams. Kelly Cock Chk'd. Fuel on Hand 11.59 p.m. (deduct) gals. PLUS % PLUG DOWN A.M. P.M. DAYS FROM SPUD: TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.																			
Blind Rams. Fire Equip. Chk'd. FUEL USED gals. CEMENT RETURNS - (YES/NO) EQUIPMENT CHANGES																			
TOTCO RING ON BIT # 2001 2 Borehole Operator																			
Approved by Operator's Representative																			
Approved by Toolpusher H. 2/7/66																			

CONSERVATION BOARD COPY

COM 48170

COMMONWEALTH DRILLING (WESTERN) LTD.

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO. 15 LOCATION Fin Gulf Trainer L.K. LSD. B SEC 24 TWP. RGE. W. DATE MAR 21 1972

MAILING
POINTSHIPPING
POINTMILES
MOVEDROAD
CONDITIONSDAYS FROM
SPUD

From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly		REMARKS			TIME			
No.		Size		Type		Jets/W.C.		Serial No.		Wgt.		R.P.M.		Drilled or Cored		Hrs.		Reamed		Hrs.		Pump No.		Pump Pressure		S.P.M.		Table Torque		T.		B.		G.		START STOP INTVL.		
6126		37		6126		734		162		5533.61		19		7		27		586		60		496		9		DRILL 7 3/4 Hole			12:00 3:00 3									
11		8 3/4		WTR 3-16		84055		45		60		104		195		1		650		60		DRILL		Rig Ser & Bops			3:00 3:15 1/4											
11		8 3/4		WTR 3-16		84055		45		60		104		195		1		650		60		DRILL		DRILL 8 3/4 Hole			3:15 8:00 4 3/4											
MUD		12 mn.		2 a.m.		4 a.m.		6 a.m.		PUMP		12 mn.		2 a.m.		4 a.m.		6 a.m.		PUMP		12 mn.		2 a.m.		4 a.m.		6 a.m.		MOTOR HOURS		Next Oil Change						
WEIGHT		9.1		9.1		9.1		9.1		No. 1		PRES. SURE		650		650		650		650		No. 2		PRES. SURE		1		1		1		1						
VISCOSITY		155		160		160		160		MODEL		S.P.M.		60		60		60		60		MODEL		S.P.M.		2		2		2		2						
GEL		500		500		500		500		LINER SIZE		5 1/2		5 1/2		5 1/2		5 1/2		LINER SIZE		5 1/2		5 1/2		5 1/2		5 1/2		5 1/2		5 1/2						
W.L.		9.4		F.C.		32		pH.		10.5		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees		4		4		4		4		4						
ADDITIVES:		PELTEX		2		SKS		GENERAL:		2" STREAM WATER																												
CAUSTIC		2		SKS																																		
HIVIS		cmc		1		SKS																																
Drilling Line Record		Size		Make		Serial No.		No. Lines		Trips		Ton Miles		Total Miles		Slip		Feet or Cut		At Miles		Date Slip or Cut		Next Slip		Ft. Left on Spool		Ft. Left on Spool		Ft. Left on Spool		Ft. Left on Spool						
From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly								
6126		37		6163		734		162		5533.61		19		7		27		586		60		496		9		DRILLING			8:00 9:30 1 1/2									
11		8 3/4		WTR 3-16		84055		45		60		104		195		1		650		60		DRILL		SERVICE RIG + CHECK B.O.P.s			9:30 9:45 1/4											
11		8 3/4		WTR 3-16		84055		45		60		104		195		1		650		60		DRILL		DRILLING.			9:45 4:00 6 1/4											
MUD		8 a.m.		10 a.m.		12 noon		2 p.m.		PUMP		8 a.m.		10 a.m.		12 noon		2 p.m.		PUMP		8 a.m.		10 a.m.		12 noon		2 p.m.		MOTOR HOURS		Next Oil Change						
WEIGHT		9.1		9.1		9.1		9.1		No. 1		PRES. SURE		650		650		650		650		No. 2		PRES. SURE		1		1		1		1						
VISCOSITY		220		200		200		180		MODEL		S.P.M.		60		60		60		60		MODEL		S.P.M.		2		2		2		2						
GEL		500		500		500		500		LINER SIZE		5 1/2		5 1/2		5 1/2		5 1/2		LINER SIZE		5 1/2		5 1/2		5 1/2		5 1/2		5 1/2		5 1/2						
W.L.		10.4		F.C.		32		pH.		10.5		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees		4		4		4		4		4						
ADDITIVES:		SODA Ash		5		SKS		GENERAL:		CMC. HIVIS.		1		SKS																								
GEL		10		SKS																																		
BENEX		1		SKS																																		
Drilling Line Record		Size		Make		Serial No.		No. Lines		Trips		Ton Miles		Total Miles		Slip		Feet or Cut		At Miles		Date Slip or Cut		Next Slip		Ft. Left on Spool		Ft. Left on Spool		Ft. Left on Spool		Ft. Left on Spool						
From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly								
6163		27		6190		634		162		55		63.57		19		7		27		586		60		496		9		DRILL			4:00 4:45 3/4							
11		8 3/4		WTR 3-16		84055		45		60		131		264		1		650		60		DRILL		SERVICE RIG + CHECK B.O.P.s			4:45 5:00 1/4											
11		8 3/4		WTR 3-16		84055		45		60		131		264		1		650		60		DRILL		DRILLING.			5:00 11:00 6											
MUD		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		MOTOR HOURS		Next Oil Change						
WEIGHT		9.0		9.0		9.0		9.0		No. 1		PRES. SURE		650		650		650		650		No. 2		PRES. SURE		1		1		1		1						
VISCOSITY		300		240		165		158		MODEL		S.P.M.		60		60		60		60		MODEL		S.P.M.		2		2		2		2						
GEL		500		500		500		500		LINER SIZE		5 1/2		5 1/2		5 1/2		5 1/2		LINER SIZE		5 1/2		5 1/2		5 1/2		5 1/2		5 1/2		5 1/2						
W.L.		9.6		F.C.		32		pH.		10.5		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees		4		4		4		4		4						
ADDITIVES:		PELTEX		3		SKS		GENERAL:																														
GEL		10		SKS																																		
BENEX		1		SKS																																		
Drilling Line Record		Size		Make		Serial No.		No. Lines		Trips		Ton Miles		Total Miles		Slip		Feet or Cut		At Miles		Date Slip or Cut		Next Slip		Ft. Left on Spool		Ft. Left on Spool		Ft. Left on Spool		Ft. Left on Spool						
B.O.P.		Tested		Elapsed Time		Packing & Seal		Crown-a-matic		Fuel on Hand 12.01 a.m.		gals.		CASING REPORT		RAN		JTS		CSG		KENTAL EQUIPMENT ON HAND		TRANSFER #														
Hydri								Rig Savers		Fuel Rec'd Today (add)		gals.																										
Pipe Rams.								Kelly Cock		TOTAL		gals.																										
Blind Rams.								Fire Equip.		Fuel on Hand 11.59 p.m. (deduct)		gals.																										
TOTCO RING ON BIT								FUEL USED		gals.																												
Cement Returns - (YES/NO)																																						
EQUIPMENT CHANGES																																						
Approved by Operator's Representative																																						
Approved by Toolpusher																																						

CONSERVATION BOARD COPY

COM 48169

CONSERVATION BOARD COPY

COMMONWEALTH DRILLING (WESTERN) LTD.

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO.

15

MAILING
POINT

LOCATION

Finn Gulf Trainer L.K.

LSD. B

SEC. 24

TWP.

RGE.

W.

DATE

March 19

1972

SHIPPING
POINTMILES
MOVEDROAD
CONDITIONSDAYS FROM
SPUD

TOUR MIDNIGHT TO 8 AM TOUR 8 AM TO 4 PM TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
5920	11	5931	3	156	58	0	19	7"	2 7/8		586.60	4.96			22

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
9	8 3/4	X54	3-20	3789	45	60	239	294			1	550	60		7	5	1
10	8 3/4	X7	3-20	25223													

M.U.D.	12 m.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.1	9.1	T		No. 1	550	550	T		No. 2					1	
VISCOSITY	120	120	T		MODEL	S.P.M.	60	60	T	MODEL	S.P.M.				2	
GEL					LINER SIZE	5 1/2	5 1/2			LINER SIZE					3	

W.L.	F.C.	pH.	DESILTER: Hours Op.	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees
8.4		10.2				5931	14	
ADDITIVES:	300A ASH	10SK	GENERAL	10SK	5" STREAM WATER			
	DELTA	1SK						
	CAUSTIC	1SK						

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
								30					

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
5931	49	5980	7	148	53	10	19	7"	2 7/8		586.60	4.96			2

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
10	8 3/4	X7	3-20	25223	42	60	49	7			1	550	60		DRLG		

M.U.D.	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT		9.2	9.2	9.1	No. 1	550	550	550		No. 2					1	
VISCOSITY				220	MODEL	S.P.M.	60	60	60	MODEL	S.P.M.				2	
GEL					LINER SIZE	5 1/2	5 1/2	5 1/2	5 1/2	LINER SIZE					3	

W.L.	F.C.	pH.	DESILTER: Hours Op.	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees
8.0	352	10.5						
ADDITIVES:	DELTA	3 SK	GENERAL					
	CAUSTIC	1 SK						

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
5980	42	6022	7 3/4	148	59	0	19	7"	2 7/8		586.60	4.96			21

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
10	8 3/4	X7	3-20	25223	42	60	91	14 3/4			1	550	60		R	4	N

M.U.D.	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.1	9.1	9.1	9.1	No. 1	550	550	550	550	No. 2					1	
VISCOSITY	170	160	155	160	MODEL	S.P.M.	60	60	60	MODEL	S.P.M.				2	
GEL					LINER SIZE	5 1/2	5 1/2	5 1/2	5 1/2	LINER SIZE					3	

W.L.	F.C.	pH.	DESILTER: Hours Op.	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees
ADDITIVES:	DELTA	1SK	GENERAL	CLEANED SAND TRAP	3" STREAM WATER			
	CAUSTIC	1SK						

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

B.O.P.	Tested	Time	Pressure	Seal	Crown-o-matic Chk'd.	Fuel on Hand 12.01 a.m.	gals.	CASING REPORT	RAN	JTS	CSG	RENTAL EQUIPMENT ON HAND	TRANSFER #
Hydril					Rig Savers Chk'd.	Fuel Rec'd Today (add)	gals.						
Pipe Rams.					Kelly Cock Chk'd.	TOTAL	gals.						
Blind Rams.					Fire Equip. Chk'd.	Fuel on Hand 11.59 p.m. (deduct)	gals.						
TOTCO RING ON BIT						FUEL USED	gals.						

PLUS	%	PLUG DOWN	A.M. P.M.	DAYS FROM SPUD	EQUIPMENT CHANGES	TOTAL COMPANY TIME HRS.	TOTAL CONTRACTOR'S TIME HRS.

REMARKS

TIME

START STOP INTVL.

Drill 1200 1230 1/2

Rig Set - Bop 1230 1245 1/4

Drill 1245 315 2 1/2

Drop Survey + Blow Kelly 315 330 1/4

Hoist 330 545 2 1/4

Recover To Tca Change bits 545

Blind Rams 615 615 1/2

Run in D.C. 615 645 1/2

Slip 30' DRILG line 645 700 1/4

Running in slow 700 800 1

TRIP IN Show 800 845 3/4

SERVICE RIG + GRACK BOP 845 900 1/4

DRLG. 900 400 7

CONSERVATION BOARD COPY

COM 48167

COMMONWEALTH DRILLING (WESTERN) LTD.

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO.

15

MAILING
POINT

LOCATION

Finn Gulf Trainer L.K.

LSD

B

SEC

24

TWP.

RGE.

W.

DATE

MAR 18

19 22

SHIPPING
POINTMILES
MOVEDROAD
CONDITIONSDAYS FROM
SPUD

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly		
5717	66	5783	7 3/4	155	56	1		19	7"	2 3/8	586.60	4.96			17		
No.	Size	Type	Joh/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
9	8 3/4	XSSR	3-20	37891	45	60	91	6 3/4			1	550	60		R	U	N
M.U.D. 12 m. 2 a.m. 4 a.m. 6 a.m. PUMP 12 m. 2 a.m. 4 a.m. 6 a.m. PUMP 12 m. 2 a.m. 4 a.m. 6 a.m. MOTOR HOURS Next Oil Change																	
WEIGHT 9.1 9.0 9.0 9.0 No. 1 PRES-SURE 550 550 550 550 No. 2 PRES-SURE																	
VISCOSITY 105 95 92 95 MODEL S.P.M. 60 60 60 60 MODEL S.P.M.																	
GEL W.L. 7.6 F.C. 3.2 pH. 10.5 DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees																	
ADDITIVES CAUSTIC 1 SKS GENERAL 3" STREAM WATER GEL 8 SKS BENEK 1 SK																	
Drilling Line Record Size Make Serial No. No. Lines Trips Ton Miles Total Miles Slip Feet or Cut At Miles Date Slip or Cut Next Slip Ft. Left on Spool																	
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly		
5783	76	5759	7 3/4	156	52	2		19	7"	2 3/8	586.60	4.96			0		
No.	Size	Type	Joh/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
9	8 3/4	XSSR	3-20	37891	45	56	167	18 3/4			1	550	60		D	A	L
M.U.D. 8 a.m. 10 a.m. 12 noon 2 p.m. PUMP 8 a.m. 10 a.m. 12 noon 2 p.m. PUMP 8 a.m. 10 a.m. 12 noon 2 p.m. MOTOR HOURS Next Oil Change																	
WEIGHT 9.1 9.1 9.1 9.1 No. 1 PRES-SURE 550 550 550 550 No. 2 PRES-SURE																	
VISCOSITY 95 92 90 87 MODEL S.P.M. 60 60 60 60 MODEL S.P.M.																	
GEL W.L. 7.0 F.C. 2.52 pH. 10.5 DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees																	
ADDITIVES GEN. 10 SKS BENEK 1 SK																	
Drilling Line Record Size Make Serial No. No. Lines Trips Ton Miles Total Miles Slip Feet or Cut At Miles Date Slip or Cut Next Slip Ft. Left on Spool																	
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly		
5759	61	5920	7 3/4	156	57	2		19	7"	2 3/8	586.60	4.96			1		
No.	Size	Type	Joh/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
9	8 3/4	XSSR	3-20	37891	45	56	228	26 3/4			1	550	60		R	U	N
M.U.D. 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. MOTOR HOURS Next Oil Change																	
WEIGHT 9.1 9.1 9.1 9.1 No. 1 PRES-SURE 550 550 550 550 No. 2 PRES-SURE																	
VISCOSITY 90 97 110 100 MODEL S.P.M. 60 60 60 60 MODEL S.P.M.																	
GEL W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees																	
ADDITIVES Soda Ash 10 SKS GENERAL																	
Drilling Line Record Size Make Serial No. No. Lines Trips Ton Miles Total Miles Slip Feet or Cut At Miles Date Slip or Cut Next Slip Ft. Left on Spool																	
B.O.P. T. W. H. A. S. E. L. P. S. E. R. V. I. C. E. R. I. G. + G. R. E. E. N. B. O. P. S. P. A. R. T. S. C. - 894																	
Hydril																	
Pipe Rams																	
Blind Rams																	
TOTCO RING ON																	

REMARKS			TIME		
START	STOP	INTVL	START	STOP	INTVL
1200	200	2			
200	215	4			
215	800	53			
Drill					
Rig Serv - Bop + Kelly Cock					
Drill					
Fuel 4'8"					
FIRE					
DRILLER'S SIGNATURE					
800	945	13			
945	1000	4			
1000	200	6			
DRILL					
SERVICE RIG + GREEN B.O.P.S					
DRILL					
FIRE					
DRILLER'S SIGNATURE					
400	415	4			
415	1200	7 3/4			
SERVICE RIG + GREEN B.O.P.					
DRILL					
FIRE					
DRILLER'S SIGNATURE					
TOTAL COMPANY TIME					
TOTAL CONTRACTOR'S TIME					
Approved by Operator's Representative					
Approved by Toolpusher					

CONSERVATION BOARD COPY

COM 48166

DAILY DRILLING LOG
DIRECTIONS TO
WELL _____

RIG NO. 150 LOCATION FINCH CREEK TRAILER L.K. LSD. B SEC. 24 TWP. _____ RGE. _____ W. _____ DATE MAR 17 19 92
MAILING POINT _____ SHIPPING POINT _____ MILES MOVED _____ ROAD CONDITIONS _____ DAYS FROM SPUD _____

[illegible]

CONSERVATION BOARD COPY

COM 48165

COMMONWEALTH DRILLING (WESTERN) LTD.

DAILY DRILLING LOG
DIRECTIONS TO
WELLRIG NO. 15 LOCATION *Enid Bull Trainer LK* LSD. B SEC 24 TWP. RGE. W. DATE *MAR 16* 19 *72*MAILING
POINTSHIPPING
POINTMILES
MOVEDROAD
CONDITIONSDAYS FROM
SPUD

TOUR MIDNIGHT TO 8 AM

8 AM TO 4 PM

4 PM TO MIDNIGHT

POINT																		
From		Footage		To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up or Kelly	
5476										19	7	2 3/4	5460		496			
B.I.S.	No.	Size	Type	Jobs/W.C.	Serial-No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	8	2 1/2	W.R.	3-20	—													

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRES-SURE					No. 2 PRES-SURE						
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.						
GEL					LINER SIZE					LINER SIZE						

W.L.	F.C.	pH.	DESILTER: Hours Op:	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees	Weather	Water	Bbls.
ADDITIVES:	Last Circ. <i>add</i> GENERAL <i>On Btm. w/ Bit No. 8</i>										

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly			
5476																																	
B	No.	Size	Type	Jobs/W.C.		Serial No.		Wgt.		R.P.M.		Drilled or Cored		Hrs.		Reamed		Hrs.		Pump No.		Pump Pressure		S.P.M.		Table Torque		T.		B.		G.	
T																																	
S																																	

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRES-SURE					No. 2 PRES-SURE						
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.						
GEL					LINER SIZE					LINER SIZE						

W.L.	F.C.	pH.	DESILTER: Hours Op:	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees	Weather	Water	Bbls.
ADDITIVES:	GEL 84 SKS GENERAL <i>Pumped Down 150 SMDT SKS</i> BENEY 6 SKS <i>AND 6 SKS CEMENT REGRADED</i> BICARB SODA 2 SKS <i>Circ. Circ 12 SKS AND SMDT CEMENT OUT</i>										

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly					
5476		50		5526		4 1/4		150		49		19.51		19		7		2 3/4		580		60		496						26					
No.		Size		Type		Jobs/W.C.		Serial No.		Wgt.		R.P.M.		Drilled or Cored		Hrs.		Reamed		Hrs.		Pump No.		Pump Pressure		S.P.M.		Table Torque		T.		B.		G.	
8		7 1/2		W.R.		3-20		RRW		45		56		50		4 1/4						1		550		60				D.R.C.					

MUD	4 a.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT			8.9	8.9	No. 1 PRES-SURE					No. 2 PRES-SURE						
VISCOSITY			85	100	MODEL S.P.M.					MODEL S.P.M.						
GEL					LINER SIZE					LINER SIZE						

W.L.	F.C.	pH.	DESILTER: Hours Op:	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees	Weather	Water	Bbls.
ADDITIVES:	GEL 18 SKS GENERAL <i>SR. H.VISC. CMC. = 1 SK.</i> BENEY 1 SK										

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

B.O.P.	Tested	Time	Pressure	Packing & Seal Inspected Date	Crown-a-matic Chk'd.	Fuel on Hand 12.01 a.m.	gals.	CASING REPORT	RAN	JTS	CSG	RENTAL EQUIPMENT ON HAND	TRANSFER #
Hydril					Rig Savers Chk'd.	Fuel Rec'd Today (add)	gals.						
Pipe Rams.					Kelly Cock Chk'd.	TOTAL	gals.	TO	KB. USED	SAX	CEM		
Blind Rams.					Fire Equip. Chk'd.	Fuel on Hand 11.59 p.m. (deduct)	gals.	PLUS	%	PLUG DOWN	A.M. P.M.	DAYS FROM SPUD:	

TOTCO RING ON BIT #	Boiler Operated:	Hrs.	FUEL USED	gals.	CEMENT RETURNS - (YES/NO)	EQUIPMENT CHANGES	TOTAL COMPANY TIME	HRS.	TOTAL CONTRACTOR'S TIME	HRS.	Approved by Operator's Representative	Approved by Toolpusher

REMARKS

Run in Cables
Ship 20' DRAG line
Rig Set Back
Run in w/ BIT # 8
Break in Chain 120' TO BOTTOM
Lost CIR HOIST TO RUN IN OPEN END
Ship and CUT DRAG LINE

FIRE

Big Serv
Run in open end
Mixup 6 SKS Cement + 150
Sandust bags + pump
Returns To Surface Circ
Hoist OPEN END PIPE

FIRES

SQUIET RIG + CRACK
RUN IN SLOW
CLEAN OUT BRIDGES
DRILLING

FIRES

DRILLING

FIRES

DRILLING

COMMONWEALTH DRILLING (WESTERN) LTD.

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO. 15

LOCATION Fina Sub TROVER LK.

LSD. B SEC 24

TWP.

RGE.

W.

DATE MAR 1 1972

19 72

MAILING
POINTSHIPPING
POINTMILES
MOVEDROAD
CONDITIONSDAYS FROM
SPUD

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly		
5272	84	5356	7 1/4	148	473	58		19	7	3 3/4	576.60	496		13			
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
7	8 3/4	X7	—	52467	46	56	102	94			1	450	60		R	4	N
M.U.D.	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change	
WEIGHT	89	89	89	89	No. 1	PRES-SURE	450	450	450	450	No. 2	PRES-SURE			1		
VISCOSITY	88	88	87	90	MODEL	S.P.M.	60	60	60	60	MODEL	S.P.M.			2	Fuel 4:10	
GEL					LINER SIZE		5 1/2	5 1/2	5 1/2	5 1/2	LINER SIZE				3		
W.L.	8.2	F.C.	352	pH.	9.5	DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS			4		
ADDITIVES:	2500	60			GENERAL:							At Feet	Degrees		5		
WATER TRUCK	4 HR				CAUSTIC 250							Weather		Water			
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool				
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly		
5356	80	5436	7	150	52	2		19	7	2 3/4	586.60	496		24			
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
7	8 3/4	X7	—	52467	45	50B	182	104			1	450	60		R	4	N
M.U.D.	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change	
WEIGHT	89	89	89	90	No. 1	PRES-SURE	450	450	450	450	No. 2	PRES-SURE			1		
VISCOSITY	95	93	90	86	MODEL	S.P.M.	60	60	60	60	MODEL	S.P.M.			2		
GEL					LINER SIZE		5 1/2	5 1/2	5 1/2	5 1/2	LINER SIZE				3		
W.L.	9	F.C.	432	pH.	9	DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS			4		
ADDITIVES:					GENERAL:							At Feet	Degrees		5		
GEL	40 SKS				RENEXY	4 SKS						Weather		Water			
CAUSTIC	3 SKS				840	CMR	1 SKS					Temp.		Bbls.			
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool				
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly		
5436	40	5476	4	150	48	58.16		19	7	2 3/4	586.60	496		14			
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
7	8 3/4	X7	—	52467	45	50B	222	204			1	450	60		7	8	1
M.U.D.	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change	
WEIGHT	89	89	89		No. 1	PRES-SURE	450	450			No. 2	PRES-SURE			1		
VISCOSITY	89	71	72	1	MODEL	S.P.M.	450	450	60		MODEL	S.P.M.			2		
GEL	75				LINER SIZE		60	60	60		LINER SIZE				3		
W.L.	8.8	F.C.	352	pH.	10.5	DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS			4		
ADDITIVES:	GEL	41 SKS			GENERAL:							At Feet	Degrees		5		
RENEXY	4 SKS											Weather		Water			
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool				

REMARKS	TIME		
	START	STOP	INTVL
DRILL 12 3/4 Hole	12 00	12 30	1/4
Big Seru - Bops	12 30	12 45	1/4
DRILL 8 3/4 Hole	1 45	2 00	1/4
Drill	800	900	1
Big Seru - Bop + Kelly Cock	900	915	1/4
Drill	915	1030	1/4
Check #1 pump Change S. screen	1030	208	1/4
Drill	208	400	1/4
Drill	400	600	2
SERVICE RIG + CHECK BOP	600	615	1/4
DRILL	615	815	2
SURVEY (MISRUN)	815	830	1/4
TRIP	830	1200	3 1/2
Drill	400	600	2
SERVICE RIG + CHECK BOP	600	615	1/4
DRILL	615	815	2
SURVEY (MISRUN)	815	830	1/4
TRIP	830	1200	3 1/2
Drill	400	600	2
SERVICE RIG + CHECK BOP	600	615	1/4
DRILL	615	815	2
SURVEY (MISRUN)	815	830	1/4
TRIP	830	1200	3 1/2

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown-a-matic Chk'd	Fuel on Hand 12.01 a.m.	gals.	CASING REPORT	RAN	JTS	CSG	RENTAL EQUIPMENT ON HAND	TRANSFER #
Hydril					Rig Savers Chk'd	Fuel Rec'd Today (add)	gals.	TOTAL	gals.	TO	KB. USED	SAX	CEM
Pipe Rams.					Kelly Cock Chk'd	Fuel on Hand 11.59 p.m. (deduct)	gals.	PLUS	%	PLUG DOWN	A.M. P.M.	DAYS FROM SPUD	
Blind Rams.					Fire Equip. Chk'd	FUEL USED	gals.	CEMENT RETURNS - (YES/NO)		EQUIPMENT CHANGES			
TOTCO RIG					Hrs.								
CONTRACTOR'S TIME													
Approved by Operator's Representative													
Approved by Toolpusher													

CONSERVATION BOARD COPY

COM 48162

DAILY DRILLING LOG
DIRECTIONS TO
WELL

MAILING
POINT

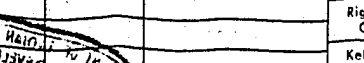
SHIPPING
POINT

MILES
MOVEDROAD
CONDITIONS

DAYS FROM
SPUD

[illegible]

FIRES	46				
-------	----	--	--	--	--

B.O.P.	Tested	Eloped Time	Pressure	Packing & Seal Inspected Date	Crown-o-matic Chk'd.	Fuel on Hand 12.01 a.m.	gals.	CASING REPORT				DRILLER'S SIGNATURE		TRANSFER #
Hydril					Rig Savers Chk'd.	Fuel Rec'd Today (add)	gals.	RAN	JTS	CSG	RENTAL EQUIPMENT ON HAND			
Pipe Rams.					Kelly Cock Chk'd.	TOTAL	gals.	TO	KB. USED	SAX	CEM			
Blind Ram					Fire Equip. Chk'd.	Fuel on Hand 11.59 p.m. (deduct)	gals.	PLUS	%	PLUG DOWN	A.M. P.M.	DAYS FROM SPUD.	TOTAL COMPANY TIME	TOTAL CONTRACTOR'S TIME
TOTCORING ON BIT #					Hrs.	FUEL USED	gals.	CEMENT RETURNS - (YES/NO)			EQUIPMENT CHANGES		HRS.	
													Approved by Operator's Representative	

COM 48161

COMMONWEALTH DRILLING (WESTERN) LTD.

DAILY DRILLING LOG
DIRECTIONS TO
WELLRIG NO. 17 LOCATION F-0-1-1 TRINIDAD L.S.D. B-24 TWP. RGE. W. DATE MAR 13 1972
MAILING POINT SHIPPING POINT MILES MOVED ROAD CONDITIONS DAYS FROM SPUD

From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly		REMARKS			TIME				
No.		Size		Type		Jets/W.C.		Serial No.		Wgt.		R.P.M.		Drilled or Cored		Hrs.		Reamed		Hrs.		Pump No.		Pump Pressure		S.P.M.		Table Torque		T.		B.		G.		START STOP INTVL.			
52 SW																		19		7"		27		576		60		493						Rig Up To Mix Diesel Gel. Plug			1:00 2:00 2		
B		7		8 1/2		17		57467																										Mix AND Pump SAME			2:00 3:45 1 1/2		
T																																		NOX LOST GR MATERIAL			3:45 8:00 4 1/4		
S																																							
MUD		12 mn.		2 a.m.		4 a.m.		6 a.m.		PUMP		12 mn.		2 a.m.		4 a.m.		6 a.m.		PUMP		12 mn.		2 a.m.		4 a.m.		6 a.m.		MOTOR HOURS		Next Oil Change							
WEIGHT										No. 1		PRES. SURE								No. 2		PRES. SURE																	
VISCOSITY										MODEL		S.P.M.								MODEL		S.P.M.																	
GEL										LINER SIZE										LINER SIZE																			
W.L.		F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees																		4 FUEL 2'6"					
ADDITIVES		35 GEL						GENERAL: RAN Diesel Gel Plug 5202-5210																										65 BDIS Diesel Used For Plug. From Rig			From Rig		
WATER TRUCK 8 HR.								10 BDIS Diesel 150 JKS GN.																										Plug Down @ 3:45 AM.			THANK		
Drilling Line Record		Size		Make		Serial No.		No. Lines		Trips		Ton Miles		Total Miles		Slip		Feet or Cut		At Miles		Date Slip or Cut		Next Slip															
From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly									
B																																							
T																																							
S																																							
MUD		8 a.m.		10 a.m.		12 noon		2 p.m.		PUMP		8 a.m.		10 a.m.		12 noon		2 p.m.		PUMP		8 a.m.		10 a.m.		12 noon		2 p.m.		MOTOR HOURS		Next Oil Change							
WEIGHT										No. 1		PRES. SURE								No. 2		PRES. SURE																	
VISCOSITY										MODEL		S.P.M.								MODEL		S.P.M.																	
GEL										LINER SIZE										LINER SIZE																			
W.L.		F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees																							
ADDITIVES		2" Muc						GENERAL: Pumped 90 BDIS Diesel																															
INTERIOR 69 BAGS								RETURN'S CAME TO SURFACE																															
CANE FIBER 13 SKS								GEL 8 SKS BENEX 1 CAUSTIC 1 SKS																															
Drilling Line Record		Size		Make		Serial No.		No. Lines		Trips		Ton Miles		Total Miles		Slip		Feet or Cut		At Miles		Date Slip or Cut		Next Slip															
From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly									
B																																							
T																																							
S																																							
MUD		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		MOTOR HOURS		Next Oil Change							
WEIGHT										No. 1		PRES. SURE								No. 2		PRES. SURE																	
VISCOSITY										MODEL		S.P.M.								MODEL		S.P.M.																	
GEL										LINER SIZE										LINER SIZE																			
W.L.		F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees																							
ADDITIVES		24 GEL						GENERAL: 1 CAUSTIC 2 BENEX																															
150 SAWDUST BAGS																																							
Drilling Line Record		Size		Make		Serial No.		No. Lines		Trips		Ton Miles		Total Miles		Slip		Feet or Cut		At Miles		Date Slip or Cut		Next Slip															
B.O.P.		Tested		Elapsed Time		Pres. sure		Packing & Seal Inspected Date		Crown-a-matic Chk'd.		Fuel on Hand 12.01 a.m.		gals.		CASING REPORT		RAN		JTS		CSG		RENTAL EQUIPMENT ON HAND		TRANSFER #													
Hydril										Rig Savers Chk'd.		Fuel Rec'd Today (add)		gals.																									
Pipe Rams										Kelly Cock Chk'd.		TOTAL		gals.																									
Blind Ram										Fire Equip. Chk'd.		Fuel on Hand 11.59 p.m. (deduct)		gals.		PLUS		%		PLUG DOWN		A.M. P.M.		DAYS FROM SPUD.															
TOTCOPING ON BIT #										Hrs.		FUEL USED		gals.		CEMENT RETURNS - (YES/NO)																							
EQUIPMENT CHANGES																																							
Approved by Operator's Representative																																							
Approved by Toolpusher																																							

CONSERVATION BOARD COPY

COM 48160

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO. 15 LOCATION Line A Gulf TRAILER LK LSD. B SEC 24 TWP. _____ RGE. _____ W. _____ DATE MAR 12 19 72

MAILING
POINT

SHIPPING
POINT

MILES
MOVEDROAD
CONDITIONS

DAYS FROM
SPUD

From		Footage		To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up or Kelly				
5254									19	7	2 3/4		586.60		493						
B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.			
7	7 3/4	X7	-		52467																
MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change					
WEIGHT					No. 1	PRES-SURE					No. 2	PRES-SURE					1				
VISCOSITY					MODEL	S.P.M.					MODEL	S.P.M.					2				
GEL					LINER SIZE						LINER SIZE						3				
W.L.	F.C.		pH.		DESILTER: Hours Op:				U. Flow:				O. Flow:				SURVEYS At Feet Degrees				
ADDITIVES: 36 GEL 2 CAUSTIC 2 BENEX 150 SAWDUST WATER TRUCK 8 HR.																		Weather		Water	
Temp.																		Bbls			
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool								
From		Footage		To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up or Kelly				
5254						154	50	2	14	7	2 3/4		586.60		4.93		24				
B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.			
7	7 3/4	X7	-		52467																
MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change					
WEIGHT					No. 1	PRES-SURE					No. 2	PRES-SURE					1				
VISCOSITY					MODEL	S.P.M.					MODEL	S.P.M.					2				
GEL					LINER SIZE						LINER SIZE						3				
W.L.	F.C.		pH.		DESILTER: Hours Op:				U. Flow:				O. Flow:				SURVEYS At Feet Degrees				
ADDITIVES: INTERLOCK 32 SKS CANE FIBER 12 SKS GEL 50 SKS BENEX 5 SKS CAUSTIC 5 SKS																		Weather		Water	
GENERAL: Pump 350 Bbls Mon w/ L.C.M. NO RETURN'S NO PRESSURE																		Temp.		Bbls	
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool								
From		Footage		To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up or Kelly				
5254									19	7"	2 3/4		586.60		493						
B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.			
7	7 3/4	X7	-		52467																
MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change					
WEIGHT					No. 1	PRES-SURE					No. 2	PRES-SURE					1				
VISCOSITY					MODEL	S.P.M.					MODEL	S.P.M.					2				
GEL					LINER SIZE						LINER SIZE						3				
W.L.	F.C.		pH.		DESILTER: Hours Op:				U. Flow:				O. Flow:				SURVEYS At Feet Degrees				
ADDITIVES: Gel - 95 CAUSTIC - 50 BENEX - 9																		Weather		Water	
GENERAL:																		Temp.		Bbls	
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool								

REMARKS	TIME		
	START	STOP	INTVL
XXXXXXXXXXXXXXXXXXXX			
Running W/L BIT FILL Pipe coming 10 STANDS	12 ⁰⁰	2 ³⁰	2 ¹⁵
Brix Lost CIR material	2 ⁰⁰		
And Build up volume		8 ⁰⁰	6
(Lost @ 250 BBL MID IN HOLE)			
FIRES	L. H. Huff DRILLER'S SIGNATURE		
Mix Lost CIR material	7 ⁰⁰	245	6 3/4
Pump Lost Circ. Material +	245		
Clean 60' To Bitm		400	1 1/2
			8
FIRES	Lyle Huff DRILLER'S SIGNATURE		
Clean To Bitm pumping Lost	400		
Circ Material No Returns		500	1
Hoist 4 STDs	500	515	1/4
Mix up Another Batch + Rig	515		
up To Run Diesel Gel Plug			
Rigging Up HOWCO		1115	6
Below Kelly Run in 3 STDs	1115	1200	3/4
FIRES			

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown-o-matic Chk'd.	Fuel on Hand 12.01 a.m.	gals.	CASING REPORT				DRILLER'S SIGNATURE				TRANSFER #				
Hydril					Rig Savers Chk'd.	Fuel Rec'd Today (add)	gals.	RAN	JTS	CSG	RENTAL EQUIPMENT ON HAND									
Pipe Rams.					Kelly Cock Chk'd.	TOTAL	gals.	TO KB. USED SAX CEM												
Blind Rams					Fire Equip. Chk'd.	Fuel on Hand 11.59 p.m. (deduct)	gals.	PLUS	%	PLUG DOWN	A.M. P.M.	DAYS FROM SPUD:								
TOTAL HRS.					FUEL USED	gals.	CEMENT RETURNS - (YES, NO)				EQUIPMENT CHANGES				TOTAL COMPANY TIME HRS.	TOTAL CONTRACTOR'S TIME HRS.				
																	Approved by Operator's Representative			
																	Approved by Toolpusher			

CONSERVATION BOARD COPY

COM 48159

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO. 15 LOCATION FLN GULF TRAINER LANE LSD B SEC. 24 TWP. _____ RGE. _____ W. _____ DATE MARCH 11 1972

MAILING
POINT

SHIPPING
POINT

MILES
MOVED

ROAD

DAYS FROM

From

Footage

To

Hrs. on Bottom

Wt. Drill Pipe (1000 lbs.)

Stands

Singles

DRILL COLLARS

No.

O.D.

I.D.

Length

Air Wt.

Sub. Wt.

C.B. Ft.

Ft. up on Kelly

5254

No.

Size

Type

Jets/W.C.

Serial No.

Wgt.

R.P.M.

Drilled or Cored

Hrs.

Reamed

Hrs.

Pump No.

Pump Pressure

S.P.M.

Table Torque

T.

B.

G.

MUD

12 mn.

2 a.m.

4 a.m.

6 a.m.

PUMP

12 mn.

2 a.m.

4 a.m.

6 a.m.

PUMP

12 mn.

2 a.m.

4 a.m.

6 a.m.

MOTOR HOURS

Next Oil Change

WEIGHT

No. 1

PRES. SURE

No. 2

PRES. SURE

VISCOSITY

MODEL

S.P.M.

MODEL

S.P.M.

GEL

LINE SIZE

LINE SIZE

W.L.

F.C.

pH.

DESILTER: Hours Op:

U. Flow:

O. Flow:

SURVEYS

At Feet

Degrees

ADDITIVES:

GENERAL: 251 No. 1 Int. 5190-5254

Rot-Pump 5 Air 181-30 140 60 E.S.I. 90 Rec.

Water back 10 hr.

Drilling Line Record

Size

Make

Serial No.

No. Lines

Trips

Ton Miles

Total Miles

Slip

Feet or Cut

At Miles

Date Slip or Cut

Next Slip

Ft. Left on Spool

From

Footage

To

Hrs. on Bottom

Wt. Drill Pipe (1000 lbs.)

Stands

Singles

DRILL COLLARS

No.

O.D.

I.D.

Length

Air Wt.

Sub. Wt.

C.B. Ft.

Ft. up on Kelly

5254

No.

Size

Type

Jets/W.C.

Serial No.

Wgt.

R.P.M.

Drilled or Cored

Hrs.

Reamed

Hrs.

Pump No.

Pump Pressure

S.P.M.

Table Torque

T.

B.

G.

7

8 3/4

17

52467

MUD

8 a.m.

10 a.m.

12 noon

2 p.m.

PUMP

8 a.m.

10 a.m.

12 noon

2 p.m.

PUMP

8 a.m.

10 a.m.

12 noon

2 p.m.

MOTOR HOURS

Next Oil Change

WEIGHT

No. 1

PRES. SURE

No. 2

PRES. SURE

VISCOSITY

MODEL

S.P.M.

MODEL

S.P.M.

GEL

LINE SIZE

LINE SIZE

W.L.

F.C.

pH.

DESILTER: Hours Op:

U. Flow:

O. Flow:

SURVEYS

At Feet

Degrees

ADDITIVES:

GENERAL: Rec. 830 Ft. SALT WATER CUT

Drilling Line Record

Size

Make

Serial No.

No. Lines

Trips

Ton Miles

Total Miles

Slip

Feet or Cut

At Miles

Date Slip or Cut

Next Slip

Ft. Left on Spool

From

Footage

To

Hrs. on Bottom

Wt. Drill Pipe (1000 lbs.)

Stands

Singles

DRILL COLLARS

No.

O.D.

I.D.

Length

Air Wt.

Sub. Wt.

C.B. Ft.

Ft. up on Kelly

5254

No.

Size

Type

Jets/W.C.

Serial No.

Wgt.

R.P.M.

Drilled or Cored

Hrs.

Reamed

Hrs.

Pump No.

Pump Pressure

S.P.M.

Table Torque

T.

B.

G.

7

8 3/4

17

52467

MUD

4 p.m.

6 p.m.

8 p.m.

10 p.m.

PUMP

4 p.m.

6 p.m.

8 p.m.

10 p.m.

PUMP

4 p.m.

6 p.m.

8 p.m.

10 p.m.

MOTOR HOURS

Next Oil Change

WEIGHT

No. 1

PRES. SURE

No. 2

PRES. SURE

VISCOSITY

MODEL

S.P.M.

MODEL

S.P.M.

GEL

LINE SIZE

LINE SIZE

W.L.

F.C.

pH.

DESILTER: Hours Op:

U. Flow:

O. Flow:

SURVEYS

At Feet

Degrees

ADDITIVES:

GENERAL:

Drilling Line Record

Size

Make

Serial No.

No. Lines

Trips

Ton Miles

Total Miles

Slip

Feet or Cut

At Miles

Date Slip or Cut

Next Slip

Ft. Left on Spool

B.O.P.

Tested

Elapsed Time

Pressure

Packing & Seal Inspected Date

Crown-o-matic Chk'd.

Fuel on Hand 12.01 a.m.

gals.

CASING REPORT

RAN

JTS

CSG

RENTAL EQUIPMENT ON HAND

TRANSFER #

Hydril

Rig Savers Chk'd.

Fuel Rec'd Today (add)

gals.

Pipe Rams

Kelly Cock Chk'd.

TOTAL

gals.

TO

KB. USED

SAX

CEM

Blind Rams

Fuel on Hand 11.59 p.m. (deduct)

gals.

PLUS

%

PLUG DOWN

A.M. P.M.

DAYS FROM SPUD:

TOTAL RINGS ON RIG

Hrs.

Fire Equip. Chk'd.

FUEL USED

gals.

CEMENT RETURNS - (YES/NO)

EQUIPMENT CHANGES

APPROVED BY

Operator's Representative

APPROVED BY

Toolpusher

16 8/26/06

CONSERVATION BOARD COPY

COM 48158

COMMONWEALTH DRILLING (WESTERN) LTD.

DAILY DRILLING LOG
DIRECTIONS TO
WELLRIG NO. 15 LOCATION FINA GULF TRINOR LAKE LSD. B SEC. 34 TWP. _____ RGE. _____ W. _____ DATE MARCH 10 1972MAILING
POINTSHIPPING
POINTMILES
MOVEDROAD
CONDITIONSDAYS FROM
SPUD

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	REMARKS	TIME			
No.	Size	Type	Jets/W.C.	Serial No.	Wt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	S.	G.	START	STOP	INTVL.
5201	14	5215	1 1/2	144	4615.68			19	7	2 3/4	585.58	4.40		30						
MUD																				
WEIGHT																				
VISCOSITY																				
GEL																				
W.L.																				
F.C.																				
pH.																				
DESILTER: Hours Op.																				
U. Flow:																				
O. Flow:																				
SURVEYS																				
At Feet																				
Degrees																				
Weather																				
Water																				
Temp.																				
Bbls.																				
Drilling Line Record																				
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	REMARKS	TIME			
5215	39'	5252	5 1/2	142	4615.92			19	7	2 3/4	585.58	4.40		22						
MUD																				
WEIGHT																				
VISCOSITY																				
GEL																				
W.L.																				
F.C.																				
pH.																				
DESILTER: Hours Op.																				
U. Flow:																				
O. Flow:																				
SURVEYS																				
At Feet																				
Degrees																				
Weather																				
Water																				
Temp.																				
Bbls.																				
Drilling Line Record																				
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	REMARKS	TIME			
5252	-	-	-	142	50	2		19	7	2 3/4	585.58	4.40		22						
MUD																				
WEIGHT																				
VISCOSITY																				
GEL																				
W.L.																				
F.C.																				
pH.																				
DESILTER: Hours Op.																				
U. Flow:																				
O. Flow:																				
SURVEYS																				
At Feet																				
Degrees																				
Weather																				
Water																				
Temp.																				
Bbls.																				
Drilling Line Record																				
B.O.P.																				
Tested																				
Elapsed Time																				
Pressure																				
Packing & Seal Inspected Date																				
Crown-o-matic Chk'd.																				
Fuel on Hand 12.01 a.m.																				
Hydrol																				
Rig Savers Chk'd.																				
Fuel Rec'd Today (add)																				
Pipe Ram																				
Kelly Cock Chk'd.																				
TOTAL																				
Blind Rams																				
Fire Equip. Chk'd.																				
Fuel on Hand 11.59 p.m. (deduct)																				
TO CORING																				
FUEL USED																				
Casing Report																				
RAN																				
JTS																				
CSG																				
RENTAL EQUIPMENT ON HAND																				
TRANSFER #																				
TO																				
KB. USED																				
SAX																				
CEM																				
PLUS																				
%																				
PLG DOWN																				
A.M.																				
P.M.																				
DAYS FROM SPUD:																				
EQUIPMENT CHANGES																				
TOTAL COMPANY TIME																				
HRS.																				
TOTAL CONTRACTOR'S TIME																				
HRS.																				
Approved by Operator's Representative																				
Approved by Toolpusher																				

CONSERVATION BOARD COPY

COM 48157

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO. 15 LOCATION FINN GULF TRAINOR LAKE LSD. B SEC. 24 TWP. _____ RGE. _____ W. _____ DATE MARCH 9 1972

MAILING POINT _____ SHIPPING POINT _____ MILES MOVED _____ ROAD CONDITIONS _____ DAYS FROM SPUD 19

[illegible]

COM 48156

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO. 15 LOCATION FINA GULF TRAINER LAITE LSD. B SEC. 34 TWP. _____ RGE. _____ W. _____ DATE MARCH 7 19 73

MAILING
POINT

SHIPPING
POINT

MILES
MOVED

ROAD
CONDITIONS

DAYS FROM
SPUD

TOUR MIDNIGHT TO 8 AM TOUR 8 AM TO 4 PM TOUR 4 PM TO MIDNIGHT

From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly		REMARKS		TIME																																					
No.		Size		Type		Jets/W.C.		Serial No.		Wgt.		R.P.M.		Drilled or Cored		Hrs.		Reamed		Hrs.		Pump No.		Pump Pressure		S.P.M.		Table Torque		T.		B.		G.		START	STOP	INTVL																																	
																																	M U D		12 mn.		2 a.m.		4 a.m.		6 a.m.		PUMP		12 mn.		2 a.m.		4 a.m.		6 a.m.		PUMP		12 mn.		2 a.m.		4 a.m.		6 a.m.		MOTOR HOURS		Next Oil Change						
																																	WEIGHT																																						
																																	VISCOSITY																																						
																																	GEL																																						
																																	W.L.		F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees																						
																																	ADDITIVES:																																						
																																	GENERAL:																																						
																																	Drilling Line Record		Size		Make		Serial No.		No. Lines		Trips		Ton Miles		Total Miles		Slip		Feet or Cut		At Miles		Date Slip or Cut		Next Slip		Ft. Left on Spool												
																																	From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly								
																																	4800		125		4925		7 1/4		142		47		0		19		7 1/2		2 3/8		585		58		440		16												
																																	No.		Size		Type		Jets/W.C.		Serial No.		Wgt.		R.P.M.		Drilled or Cored		Hrs.		Reamed		Hrs.		Pump No.		Pump Pressure		S.P.M.		Table Torque		T.		B.		G.				
																																	5		8 1/2		XDU		-		39508		40		80		125		7 1/4						1		550		60		R		U		H						
																																	M U D		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		PUMP		4 p.m.		6 p.m.		8 p.m.		10 p.m.		MOTOR HOURS		Next Oil Change						
																																	WEIGHT		93		9.4		95		95		No. 1		PRES-SURE		550		550		550		550		No. 2		PRES-SURE														
																																	VISCOSITY		48		50		75		80		MODEL		S.P.M.		60		60		60		60		MODEL		S.P.M.														
																																	GEL										LINER SIZE		5 1/2		5 1/2		5 1/2		5 1/2		MODEL		LINER SIZE																
																																	W.L.		7.6		F.C.		2.2		pH.		9.5		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees																
																																	ADDITIVES:		GEL		45 SK																																		
																																	GENERAL:																																						
																																	Drilling Line Record		Size		Make		Serial No.		No. Lines																														

CONSERVATION BOARD COPY

COM 48154

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO. 15

LOCATION

FINAGULF TRAINER LANE

137

24

Mass.

MAILING
POINT

SHIPPING
POINT

MILES

ROAD

DAYS FROM

TOUR MIDNIGHT TO 8 A.M. TOUR

8
A
M
TO
4
P
M

TOUR

4
P
M
T

GHT

TOUR MIDNIGHT TO 8 AM TOUR 8 AM TO 4 PM TOUR 4 PM TO MIDNIGHT

From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly		REMARKS		TIME						
																																		START STOP INTV						
B		No.		Size		Type		Jets/W.C.		Serial No.		Wgt.		R.P.M.		Drilled or Cored		Hrs.		Reamed		Hrs.		Pump No.		Pump Pressure		S.P.M.		Table Torque		T.		B.		G.				
T																																								
S																																								
M U D		12 m.		2 a.m.		4 a.m.		6 a.m.		PUMP		12 m.		2 a.m.		4 a.m.		6 a.m.		PUMP		12 m.		2 a.m.		4 a.m.		6 a.m.		MOTOR HOURS		Next Oil Change								
WEIGHT										No. 1 PRES. SURE										No. 2 PRES. SURE																				
VISCOSITY										MODEL										MODEL																				
GEL										LINER SIZE										LINER SIZE																				
W.L.		F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees																								
ADDITIVES:										GENERAL:																														
Drilling Line Record		Size		Make		Serial No.		No. Lines		Trips		Ton Miles		Total Miles		Slip		Feet or Cut		At Miles		Date Slip or Cut		Next Slip		Ft. Left on Spool														
From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Ft. up on Kelly										
B		No.		Size		Type		Jets/W.C.		Serial No.		Wgt.		R.P.M.		Drilled or Cored		Hrs.		Reamed		Hrs.		Pump No.		Pump Pressure		S.P.M.		Table Torque		T.		B.		G.				
T																																								
S																																								
M U D		8 a.m.		10 a.m.		12 noon		2 p.m.		PUMP		8 a.m.		10 a.m.		12 noon		2 p.m.		PUMP		8 a.m.		10 a.m.		12 noon		2 p.m.		MOTOR HOURS		Next Oil Change								
WEIGHT										No. 1 PRES. SURE										No. 2 PRES. SURE																				
VISCOSITY										MODEL										MODEL																				
GEL										LINER SIZE										LINER SIZE																				
W.L.		F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees																								
ADDITIVES:										GENERAL:																														
Drilling Line Record		Size		Make		Serial No.		No. Lines		Trips		Ton Miles		Total Miles		Slip		Feet or Cut		At Miles		Date Slip or Cut																		

CONSERVATION BOARD COPY

COM 48153

COMMONWEALTH DRILLING (WESTERN) LTD.

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO. 15

LOCATION FINE GULF TRAINOR LAKE, SD B SEC. 24

TWP.

RGE.

W.

DATE MARCH 5

19 22

MAILING
POINTSHIPPING
POINTMILES
MOVEDROAD
CONDITIONSDAYS FROM
SPUD

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly		
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
MUD	12 m.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change	
WEIGHT				No. 1	PRES-SURE			No. 2	PRES-SURE						1		
VISCOSITY				MODEL	S.P.M.			MODEL	S.P.M.						2		
GEL				LINER SIZE				LINER SIZE							3		
W.L.	F.C.	pH.	DESILTER: Hours Op:	U. Flow:	O. Flow:	SURVEYS		At Feet	Degrees						4		
ADDITIVES: GENERAL: Not water track 10 hr																	
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool				
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly		
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change	
WEIGHT				No. 1	PRES-SURE			No. 2	PRES-SURE						1		
VISCOSITY				MODEL	S.P.M.			MODEL	S.P.M.						2		
GEL				LINER SIZE				LINER SIZE							3		
W.L.	F.C.	pH.	DESILTER: Hours Op:	U. Flow:	O. Flow:	SURVEYS		At Feet	Degrees						4		
ADDITIVES: GENERAL:																	
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool				
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly		
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change	
WEIGHT				No. 1	PRES-SURE			No. 2	PRES-SURE						1		
VISCOSITY				MODEL	S.P.M.			MODEL	S.P.M.						2		
GEL				LINER SIZE				LINER SIZE							3		
W.L.	F.C.	pH.	DESILTER: Hours Op:	U. Flow:	O. Flow:	SURVEYS		At Feet	Degrees						4		
ADDITIVES: GENERAL:																	
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool				

REMARKS

TIME

START STOP INTVL

WARM ON LIGHT PLANT
MAKE UP POWER CORD FROM
CAMP PLANT TO BOILER HSE
START STD BY MOTORS
PUMP FUEL TO MOTORS
BREAK + DRAIN MUD LINES
THAW STEAM + WATER LINES

1200

700 P

FIRES

Eric J. Jorgensen
DRILLER'S SIGNATURE

THAW. ALL 40' in and
WATER LINES in 11:00

10 8

FIRES

DRILLER'S SIGNATURE

Wait on light plant

4:00 12:00 8

FIRES

DRILLER'S SIGNATURE

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown-o-matic Chk'd.	Fuel on Hand 12.01 a.m.	gals.	CASING REPORT	RAN	ITS	CSG	RENTAL EQUIPMENT ON HAND	TRANSFER #	
Hydrii					Rig Savers Chk'd.	Fuel Rec'd Today (add)	gals.	TO	KB. USED	SAX	CEM			
Pipe Ram					Kelly Cock Chk'd.	Fuel on Hand 11.59 p.m. (deduct)	gals.	PLUS	%	PLUG DOWN	A.M. P.M.	DAYS FROM SPUD:		
Blind Ram					Fire Equip. Chk'd.	FUEL USED	gals.	CEMENT RETURNS - (YES/NO)				EQUIPMENT CHANGES		
TOTCO RING ON BIT														
TOTAL COMPANY TIME HRS.														
TOTAL CONTRACTOR'S TIME HRS.														
Approved by Operator's Representative														
Approved by Toolpusher														

CONSERVATION BOARD COPY

COM 48152

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO. 15 LOCATION FINA GULF TRAINOR LAKE LSD B SEC. 34 TWP. _____ RGE _____ W. _____ DATE MARCH 4 1972

MAILING
POINT_____SHIPPING
POINTMILES
MOVEDROAD
CONDITIONS

DAYS FROM

[illegible]

CONSERVATION BOARD COPY

COM 48151

COMMONWEALTH DRILLING

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO 15

LOCATION

Finn Gulf Trainer Lk.

LSD B SEC 24 TWP.

RGE W

DATE March 3rd

19 22

MAILING
POINTSHIPPING
POINTMILES
MOVEDROAD
CONDITIONSDAYS FROM
SPUD

13

TOUR MIDNIGHT TO 8 AM

TOUR 8 AM TO 4 PM

TOUR 4 PM TO MIDNIGHT

TOUR MIDNIGHT TO 8 AM

From		Footage		To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	
3776		32		3808	14	122	34	1		19	7"	2 3/8"	585.48	4.40			0	
B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
I	3	8 3/4"	X16	3/4 x 1/2	35832	40	80	102	34 1/2			1	1200	60		5	2	1
T	4	8 3/4"	X3A	3/4 x 1/4	37491													
S																		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.2				No. 1	1250				No. 2						
VISCOSITY	38				MODEL					MODEL						
GEL					LINER SIZE	5 1/2				LINER SIZE						

W.L.	F.C.	pH.	DESILTER Hours Op.	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees	Weather	Water	Temp.	Bbls.
		9.0										
ADDITIVES:	Clean Suction	GENERAL:	STAP - 3809.62	WATER 16	3771	Y4						
	CAUSTIC	1 SKS.	D.F.F.	1.03								

From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft		Ft. up on Kelly			
3808		262		4070		7 1/2		124		34		52.03				19		7		2 3/8		585		58		4.40				13			
B T S	No.	Size	Type	Jets/W.C.		Serial No.		Wgt.		R.P.M.		Drilled or Cored		Hrs.		Reamed		Hrs.		Pump No.		Pump Pressure		S.P.M.		Table Torque		T.		B.		G.	
	4	8 3/4	X3A	2 1/2 x 1/4		37491		40		74		262		7 1/2						1		1000		56						Dial			

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.2	9.2	9.2	9.2	No. 1	1400	1000	1000	900	No. 2						
VISCOSITY	37	35	35	37	MODEL	62	56	56	54	MODEL						
GEL					LINER SIZE	5 1/2				LINER SIZE						

W.L.	F.C.	pH.	DESILTER Hours Op.	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees	Weather	Water	Temp.	Bbls.
12.4	3 1/2	9.5										
ADDITIVES:	GEL = 50 SKS	GENERAL:										
	BENEX = 5 SKS	CMC = 1 SK.										
	CAUSTIC = 1 SK.											

MUD		4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS		Next Oil Change
WEIGHT		9.2	9.2	9.2	9.2	No. 1	PRSS. SURE	1100	1500	1300	1200	No. 2	PRSS. SURE						1	
VISCOSITY		38	39	42	39	MODEL	S.P.M.	56	60	60	60	MODEL	S.P.M.						2	
GEL							LINER SIZE	5 1/2	8	10			LINER SIZE	5	8	10			3	
W.L. 10.2 F.C. 2 1/2 pH. 9.5						DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS						4		
ADDITIVES: 4 1/2 # GEL						GENERAL:						At Feet		Degree				5		
30 # Caustic												4275		1/2				Weather		Water
8 # BEN-EX																		Temp.		Bbls
Drilling Line Record	Size	Make	Serial No.	No. Linns	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fl. Left on Spool							

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.2	9.2	9.2	9.2	No. 1	1400	1200	1200	1200	No. 2						
VISCOSITY	38	39	42	39	MODEL	56	60	60	60	MODEL						
GEL					LINER SIZE	5 1/2				LINER SIZE						

W.L.	F.C.	pH.	DESILTER Hours Op.	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees	Weather	Water	Temp.	Bbls.
10.2	2 1/2	9.5										
ADDITIVES:	44.04 GEL	GENERAL:										
	50 # CAUSTIC											
	8 # BENEX											

FUEL 46" REMARKS

TIME	START	STOP	INTVL
Drill	1200	115	1 1/4
Drop Survey	115	130	1 1/4
Hoist S.L.M.	130	300	1 1/2
Recover To Top & Blinds change bits	300	315	1 1/4
Run in D.C.	315	400	3/4
Rig Serv Slip & Cut line & Replace	400	445	1 1/2
High & low Drum Clutch Control	445	530	1 1/2
Finish in	530	630	1
Break & Blow Kelly Break Circ. Clean 9'	630	800	1 1/2

FIRES

SERVICE RIG & CATCH B.O.P.	800	815	1 1/4
DRUG	815	145	5 1/2
SURVEY @ 4022	145	215	1 1/2
DRUG	215	400	1 1/2

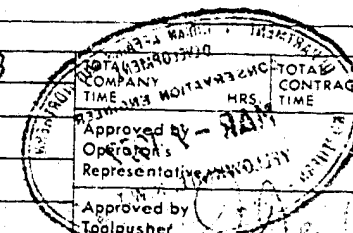
FIRES

DRUG 2 3/4 Hole	415	415	1 1/4
Rig Serv & Blow	415	430	1 1/4
DRUG 2 3/4 Hole	430	1010	5 1/2
Survey	1010	1030	1 1/2
DRUG 2 3/4 Hole	1030	1200	1 1/2

FIRES

DRUG 2 3/4 Hole	1200	1200	1 1/2
-----------------	------	------	-------

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown-o-matic Chk'd.	Fuel on Hand 12.01 a.m.	gals.	CASING REPORT	RAN	JTS	CSG	RENTAL EQUIPMENT ON HAND	TRANSFER #
Hydril													
Pipe Rams													
Blind Rams													
TOTCO RING ON BIT =													
Boiler Operated:													
Hrs.													
Fire Equip. Chk'd.													
FUEL USED													
gals.													
CEMENT RETURNS - (YES/NO)													
EQUIPMENT CHANGES													



CONSERVATION BOARD COPY

COM 45800

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO. 15 LOCATION Fin Gulf Trainer Lk. LSD B SEC 24 TWP HGE W DATE March 2nd 19 22

MAILING SHIPPIng MILES ROAD DAYS FROM
POINT POINT MOVED CONDITIONS SPID

 12

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly		
3080	230	3310	7 1/2	110	29	0		19	7"	2 3/8	584.58	4.40		10			
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
3	8 3/4 x 16	3-1/2	35832	40	80	523	18 1/2				1	1050	60		R	4	N
M.U.D. 12 mn. 2 a.m. 4 a.m. 6 a.m. PUMP 12 mn. 2 a.m. 4 a.m. 6 a.m. PUMP 12 mn. 2 a.m. 4 a.m. 6 a.m. MOTOR HOURS Next Oil Change																	
WEIGHT 8.9 8.9 8.9 No. 1 PRES. SURE 1050 1100 1200 No. 2 PRES. SURE																	
VISCOSITY 32 32 34 34 MODEL S.P.M. 60 60 60 60 MODEL S.P.M.																	
GEL 5 1/2 5 1/2 5 1/2 5 1/2 LINDER SIZE																	
W.L. CMC C. 1 SK. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees																	
ADDITIVES: GEL 1/40 SKS GENERAL: 1" Stream Water SAND TRAP																	
CAUSTIC 2 SKS Water tank 16 hr.																	
BENEX 4 SKS Total 320																	
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool				
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly		
3310	235	3545	7 1/2	110	29	75		19	7"	2 3/8	585.58	4.40		16			
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
3	8 3/4 x 16	3-1/2	35832	40	80	758	25 1/2				1	1200	60		DRUG		
M.U.D. 8 a.m. 10 a.m. 12 noon 2 p.m. PUMP 8 a.m. 10 a.m. 12 noon 2 p.m. PUMP 8 a.m. 10 a.m. 12 noon 2 p.m. MOTOR HOURS Next Oil Change																	
WEIGHT 9.1 9.1 9.1 9.1 No. 1 PRES. SURE 1200 1200 1200 1200 No. 2 PRES. SURE ON TANKS																	
VISCOSITY 35 33 33 33 MODEL S.P.M. 60 60 60 60 MODEL S.P.M.																	
GEL 5 1/2 5 1/2 5 1/2 5 1/2 LINDER SIZE 5 1/2 X 14																	
W.L. 13.8 F.C. 2 1/2 pH. 9.5 DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees																	
ADDITIVES: GEL 1/40 SKS GENERAL: 3320																	
BENEX 4 SKS																	
CAUSTIC 1 SK																	
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool				
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly		
3545	231	3776	7 1/2	112	34	177 59		19	7"	2 3/8	585.58	4.40		0			
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
3	8 3/4 x 16	3-1/2	35832	40	80	989	93 1/2				1	1200	60		13	4	U
M.U.D. 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. MOTOR HOURS Next Oil Change																	
WEIGHT 9.1 9.1 9.2 9.2 No. 1 PRES. SURE 1250 1250 1250 1250 No. 2 PRES. SURE																	
VISCOSITY 36 36 38 39 MODEL S.P.M. 59 60 60 60 MODEL S.P.M. 60 60 60 60																	
GEL 5 1/2 5 1/2 5 1/2 5 1/2 LINDER SIZE 5 1/2 X 14																	
W.L. 13.9 F.C. 2 1/2 pH. 9.5 DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees																	
ADDITIVES: 4 1/2 GEL GENERAL: 3580																	
4 BENEX																	
1 CAUSTIC																	
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool				
B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown-o-matic Chk'd.	Fuel on Hand 12.01 a.m.	gals.	CASING REPORT									
Hydril					Rig Savers Chk'd.	Fuel Rec'd Today (add)	gals.	RAN									
Pipe Rams.					Kelly Cock Chk'd.	TOTAL	gals.	TO KB USED 5									
Blind Rams.					Fire Equip. Chk'd.	Fuel on Hand 11.59 p.m. (deduct)	gals.	PLUS PLUG DOWN									
TOTCO RING ON BIT #							Bailer Operated:	Hrs.	FUEL USED		gals.	CEMENT RETURNS (YES/NO)					

		REMARKS	TIME		
			START	STOP	INTVL
	Dr. 11		1200	1245	3/4
	Rig Serv - Bop		1245	100	4
	Dr. 11		100	800	7
					8
<i>(Faint handwritten notes)</i>					
Fuels 5' 8"					
FIRES	Lyle Huff DRILLER'S SIGNATURE				
	DRLG		800	815	1/4
	SERVICE RIG + GRACE B.O.R.		815	830	1/4
	SURVEY @ 3320		830	845	1/4
	DRLG		845	900	1/4
FIRES	Eric Siggen DRILLER'S SIGNATURE				
	DRLG 8 3/4 Hole		420	630	2 1/2
	SURVEY		630	645	1/4
	Rig SERV w Bops		645	700	1/4
	DRLG 8 3/4 Hole		700	1400	5
FIRES	[Signature] DRILLER'S SIGNATURE				
JTS	CSG	RENTAL EQUIPMENT ON HAND	TRANSFER #		
AX	CEM				
A.M. P.M.		DAYS FROM SPUD: 12			
EQUIPMENT CHANGES					
TOOLPUSHER [Signature]					

COM 45799

COMMONWEALTH DRILLING

DAILY DRILLING LOG
DIRECTIONS TO
WELLRIG NO. 15 LOCATION F A Gulf Trainer Lk L.S.D. B SEC. 24 TWP. RGE. W. DATE March 1st 1922
MAILING POINT SHIPPING POINT MILES MOVED ROAD CONDITIONS DAYS FROM SPUD. 11

TOUR	FROM	FOOTAGE	TO	HRS. ON BOTTOM	WT. DRILL PIPE (1000 LBS.)	STANDS	SINGLES	DRILL COLLARS	No.	O.D.	I.D.	LENGTH	AIR WT.	SUB. WT.	C.B. FT.	FT. UP ON KELLY	REMARKS	TIME			
																		START	STOP	INTVL.	
1	2760	27	2787	14	105	23	2	19	7"	2 1/2	585.58	4.40				13	Drill	1200	1215	15	
	2	8 3/4	X16	3 1/2	35834	40	120	200	8 1/2				1	1100	60	4	1	Rig Serv - Bop Surr	1215	1230	15
																		Survey 2770	1230	1245	15
																		Drill	1245	145	1
MUD 12 mn. 2 a.m. 4 a.m. 6 a.m. PUMP 12 mn. 2 a.m. 4 a.m. 6 a.m. PUMP 12 mn. 2 a.m. 4 a.m. 6 a.m. MOTOR HOURS Next Oil Change																					
WEIGHT 8.4 89 No. 1 PRE-SURE 1100 No. 2 PRE-SURE 1100 VISCOSITY Water MODEL S.P.M. 60 MODEL S.P.M. 60 GEL LIGNER SIZE 5 1/2 LIGNER SIZE 5 1/2																					
W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees 4 ADDITIVES: GENERAL: CLEANED SAND TRAP 2770 3/4 Weather Water Temp. Bbls.																					
Drilling Line Record Size Make Serial No. No. Lines Trips Ton Miles Total Miles Slip Feet or Cut At Miles Date Slip or Cut Next Slip Ft. Left on Spool																					
2	2787	75	2862	34	107	2231.97		19	7"	2 1/2	585.58	4.40				0	Latch on To Fish	500	530	30	
	3	8 3/4	X16	3 1/2	35832	40	70	75	3 1/2				1	1050	59		0	Blow Kelly + Hoist slowly	530	545	15
																		TRIP OUT	545	700	155
																		CLEAN OUT PLUGGED D.G.	700	900	200
MUD 8 a.m. 10 a.m. 12 noon 2 p.m. PUMP 8 a.m. 10 a.m. 12 noon 2 p.m. PUMP 8 a.m. 10 a.m. 12 noon 2 p.m. MOTOR HOURS Next Oil Change																					
WEIGHT 8.7 No. 1 PRE-SURE 1050 No. 2 PRE-SURE 1050 VISCOSITY 28 MODEL S.P.M. 59 MODEL S.P.M. 59 GEL LIGNER SIZE 5 1/2 LIGNER SIZE 5 1/2																					
W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees 4 ADDITIVES: GENERAL: WATER TRUCK 11 HR. Weather Water Temp. Bbls.																					
Drilling Line Record Size Make Serial No. No. Lines Trips Ton Miles Total Miles Slip Feet or Cut At Miles Date Slip or Cut Next Slip Ft. Left on Spool																					
3	2862	218	3080	74	108	2475.30		19	7"	2 1/2	585.58	4.40				26'	TRIP IN	900	915	15	
	3	8 3/4	X16	3 1/2	35832	40	80	293	10 1/2				1	1050				SERVICE RIG + CHECK BOPS	915	930	15
																		SLIP 20' DRUG LINE	930	1000	70
																			TRIP IN	1000	1115
MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. MOTOR HOURS Next Oil Change																					
WEIGHT 8.7 8.8 8.9 8.9 No. 1 PRE-SURE 1050 1050 1050 1050 No. 2 PRE-SURE 60 TRIPK VISCOSITY 28 28 28 28 MODEL S.P.M. 60 60 60 60 MODEL S.P.M. 60 TRIPK GEL LIGNER SIZE 5 1/2 X 1/4 LIGNER SIZE 5 1/2 X 1/4																					
W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees 4 ADDITIVES: 40 GEL GENERAL: 100 CAUSTIC 3046 1/2 5 41 BENE																					
Drilling Line Record Size Make Serial No. No. Lines Trips Ton Miles Total Miles Slip Feet or Cut At Miles Date Slip or Cut Next Slip Ft. Left on Spool																					
4																		THAW KELLY HOSE + SECTION OF STD PIPE 11'5"	1200	1215	15
																		CLEAN BRIDGE + FILL 30' TO BTH	1215	245	125
																		DRILL	245	315	70
																		REPAIR 4" GAMMON ON MUD LINE	315	400	85
MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. MOTOR HOURS Next Oil Change																					
WEIGHT 8.7 8.8 8.9 8.9 No. 1 PRE-SURE 1050 1050 1050 1050 No. 2 PRE-SURE 60 TRIPK VISCOSITY 28 28 28 28 MODEL S.P.M. 60 60 60 60 MODEL S.P.M. 60 TRIPK GEL LIGNER SIZE 5 1/2 X 1/4 LIGNER SIZE 5 1/2 X 1/4																					
W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees 4 ADDITIVES: 40 GEL GENERAL: 100 CAUSTIC 3046 1/2 5 41 BENE																					
Drilling Line Record Size Make Serial No. No. Lines Trips Ton Miles Total Miles Slip Feet or Cut At Miles Date Slip or Cut Next Slip Ft. Left on Spool																					

CONSERVATION BOARD COPY

COM 45798

COMMONWEALTH DRILLING

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO. 15

LOCATION

F. A. Gulf Trainor LK.

LSD. B

SEC. 24

TWP

RGE.

W.

DATE

Feb 29th

12 22

MAILING
POINTSHIPPING
POINTMILES
MOVEDROAD
CONDITIONSDAYS FROM
SPUC

10-20-30-40-50-60-70-80-90-100-110-120-130-140-150-160-170-180-190-200-210-220-230-240-250-260-270-280-290-300-310-320-330-340-350-360-370-380-390-400-410-420-430-440-450-460-470-480-490-500-510-520-530-540-550-560-570-580-590-600-610-620-630-640-650-660-670-680-690-700-710-720-730-740-750-760-770-780-790-800-810-820-830-840-850-860-870-880-890-900-910-920-930-940-950-960-970-980-990-1000

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. up on Kelly
2408	148	2556	74	106	31	D		19	7"	2 3/8"	585.58	4.40			0

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	8 3/4	X16	3-11	38968	40	120	1364	354			1	1200	6		R	u	n

M.U.D.	12 m.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.2	9.1	9.1	9.1	No. 1 PRES. SURE	1200	1200	1200	1200	No. 2 PRES. SURE					1	
VISCOSITY					MODEL S.P.M.	60	60	60	60	MODEL S.P.M.					2	
GEL					LINER SIZE	5 1/2	5 1/2	5 1/2	5 1/2	LINER SIZE					3	

W.L.	F.C.	pH.	DESILTER: Hours Op.	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees
						4		

ADDITIVES:	GENERAL:	Weather	Water
	CLEANED SAND TRAP + 2ND COMP. WATER TRUCK 13 HR.		

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fr. Left on Spool

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. up on Kelly
2556	31	2587	134	106	1956.39			19	7"	2 3/8"	585.58	4.40			0

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	8 3/4	X16	3-11	28968	40	120	1365	37			1	1200	57		5	5	I
2	8 3/4	X16	3-11	35834													

M.U.D.	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.4				No. 1 PRES. SURE	1200				No. 2 PRES. SURE					1	
VISCOSITY	28				MODEL S.P.M.	58				MODEL S.P.M.					2	
GEL					LINER SIZE	5 1/2				LINER SIZE					3	

W.L.	F.C.	pH.	DESILTER: Hours Op.	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees
						4		

ADDITIVES:	GENERAL:	Weather	Water

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fr. Left on Spool

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. up on Kelly
2587	173	2760	7	104	2139.79			19	7"	2 3/8"	585.58	4.40			10

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
2	8 3/4	X16	3-11	35834	40	120	173	7			1	1200	60		R	u	n

M.U.D.	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	8.4	8.8	8.4	8.9	No. 1 PRES. SURE	1200	1200	1100	1100	No. 2 PRES. SURE					1	
VISCOSITY	28	28	28	28	MODEL S.P.M.	60	60	60	60	MODEL S.P.M.					2	
GEL					LINER SIZE	5 1/2				LINER SIZE					3	

W.L.	F.C.	pH.	DESILTER: Hours Op.	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees
						4		

ADDITIVES:	GENERAL:	Weather	Water

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fr. Left on Spool

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown-o-matic Chk'd.	Fuel on Hand 12.01 a.m.	gals.	CASING REPORT	RAN	JTS	CSG	RENTAL EQUIPMENT ON HAND	TRANSFER #
Hydri					Rig Savers Chk'd.	Fuel Rec'd Today (add)	gals.						

P.D. Rams.					Kelly Cock Chk'd.	TOTAL	gals.	TO	KB. USED	SAX	CEM		
Blind Rams.						Fuel on Hand 11.59 p.m. (deduct)	gals.	PLUS	%	PLUG DOWN	A.M. P.M.	DAYS FROM SPUD: 10	

TOTCO RING ON BIT	Boiler Operated:	Hrs.	Fire Equip. Chk'd.	FUEL USED	gals.	CEMENT RETURNS - (YES/NO)	EQUIPMENT CHANGES

APPROVED BY	TOOLPUSHER	DATE	TIME

REMARKS	START	STOP	INTVL.
Drill	1200	115	1 1/4

Rig Sen v Bop	115	130	1 1/4
---------------	-----	-----	-------

Drill	130	600	4 1/2
-------	-----	-----	-------

Survey @ 2525	600	630	1/2
---------------	-----	-----	-----

Drill	630	700	1/2
-------	-----	-----	-----

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

CONSERVATION BOARD COPY

COM45797

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO. 15 LOCATION Fin Gulf Trainer Lk. LSD. B SEC. 24 TWP. _____ RGE. _____ W. _____ DATE Feb 28 1972

MAILING POINT _____ SHIPPING POINT _____ MILES MOVED _____ ROAD CONDITIONS _____ DAYS FROM SPUD _____

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fl. up on Kelly				
1800	215	2015	7	96	15	1		19	7"	2 3/8	585.58	4.40		23					
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.		
1	8 3/4 X 16	3-11	38968	40	120	733	14 1/2				1	1200	62		R	4	n		
M U D																			
12 mn.				2 a.m.				4 a.m.				6 a.m.				PUMP			
WEIGHT				9.0				8.9				8.8				8.9			
VISCOSITY				Water															
GEL																			
W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees																			
ADDITIVES: GENERAL: CLEANED SAND TRAP TWICE 2007 72																			
WATER TRUCK 13 HR																			
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fl. Left on Spool						
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fl. up on Kelly				
2015	236	2251	6	100	162	77		19	7	2 3/8	585.58	4.40		0					
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.		
1	8 3/4 X 16	3-11	38968	40	120	969	20 1/2				1	1200	59		D	4	n		
M U D																			
8 a.m.				10 a.m.				12 noon				2 p.m.				PUMP			
WEIGHT				9.0				9.1				9.1							
VISCOSITY				28				28				28							
GEL																			
W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees																			
ADDITIVES: GENERAL:																			
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fl. Left on Spool						
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fl. up on Kelly				
2251	147	2408	7 3/4	104 1/2	19	2		19	7	2 3/8	585.58	4.40		21					
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.		
1	8 3/4 X 16	3-11	38968	40	120	1116	28				1	1200	60		R	4	n		
M U D																			
4 p.m.				6 p.m.				8 p.m.				10 p.m.				PUMP			
WEIGHT				9.1				9.1				9.2				9.2			
VISCOSITY				28				28				28				28			
GEL																			
W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees																			
ADDITIVES: GENERAL: 2250 3																			
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fl. Left on Spool						
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fl. up on Kelly				
2251	147	2408	7 3/4	104 1/2	19	2		19	7	2 3/8	585.58	4.40		21					
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.		
1	8 3/4 X 16	3-11	38968	40	120	1116	28				1	1200	60		R	4	n		
M U D																			
4 p.m.				6 p.m.				8 p.m.				10 p.m.				PUMP			
WEIGHT				9.1				9.1				9.2				9.2			
VISCOSITY				28				28				28				28			
GEL																			
W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees																			
ADDITIVES: GENERAL: 2250 3																			
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fl. Left on Spool						

REMARKS	TIME		
	START	STOP	INTVL
Drill	1200	145	13/4
Rig Ser. - Bop	145	200	1/4
Drill	200	700	5
Survey @ 2007	700	715	1/4
Drill	715	730	1/4
Repair 4" mud valve	730	800	1/2
			8
Fuel - 5'10"			
FIRES	Lyle Huff DRILLER'S SIGNATURE		
REPAIR 4" MUD VALVE	700	845	3/4
DRILL	845	900	1/4
SERVICE RIG + CHECK BOPS	900	915	1/4
REPLACE 4" CAMERON ON MUD LINE	915	1000	3/4
DRILL	1000	345	5-
SURVEY	345	400	1/4
FIRES	Eric Tullgren DRILLER'S SIGNATURE		
Rig Ser. - Bops	400	415	1/4
DRILL	415	1200	7 3/4
FIRES	Eric Tullgren DRILLER'S SIGNATURE		

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown-o-matic Chk'd.	Fuel on Hand 12.01 a.m.	gals.	CASING REPORT	
Mydrill					Ria Savers Chk'd.	Fuel Rec'd Today (add)	gals.	TO	RAN
Pipe Rams.					Kelly Cock Chk'd.	TOTAL	gals.	KB. USED	S.
Blind Rams.						Fuel on Hand 11.59 p.m. (deduct)	gals.	PLUS	PLUG DOWN
TOTCO RING ON BIT #		Boiler Operated:		Hrs.	Fire Equip. Chk'd.	FUEL USED	gals.	CEMENT RETURNS - (YES/NO)	

		DRILLER'S SIGNATURE		
JTS	CSG	RENTAL EQUIPMENT ON HAND		TRANSFER #
AX	CEM			
A.M.	P.M.	DAYS FROM SPUD:	TOTAL COMPACT TIME	TOTAL CONTRACTOR'S TIME
EQUIPMENT CHANGES		Approved by Inspector Representative		HRS
		Approved by Toolpusher		

CONSERVATION BOARD COPY

COM 45796

COMMONWEALTH DRILLING

DAILY DRILLING LOG
DIRECTIONS TO
WELLRIG NO. 15 LOCATION Fi Gulf Trainer LK L.S.D. B SEC. 24 TWP. --- RGE. --- W. --- DATE Feb 27 19 72
MAILING POINT --- SHIPPING POINT --- MILES MOVED --- ROAD CONDITIONS --- DAYS FROM SPUD ---

From		Footage		To		Hrs. on Bottom		Wt. Drill Pipe (1000 lbs.)		Stands		Singles		DRILL COLLARS		No.		O.D.		I.D.		Length		Air Wt.		Sub. Wt.		C.B. Ft.		Fr. up on Kelly		REMARKS			TIME										
No.		Size		Type		Jets/W.C.		Serial No.		Wgt.		R.P.M.		Drilled or Cored		Hrs.		Reamed		Hrs.		Pump No.		Pump Pressure		S.P.M.		Table Torque		T.		B.		G.		START			STOP			INTVL.			
94		6		0																														Prepare Pumps + Floor			1200								
																																		To Dr. 11 out			330			3 1/2					
																																		Pressure Test Blind Rams			3 30								
																																		To 1500 P.S.I. for 15 min. O.K.			400			1/2					
																																		Run in			400			500			1		
																																		Break Circ			500			515			1/4		
																																		Pres. Test Hydri. + Pipe Rams +			515								
																																		Bop Manifold 1500 P.S.I. for 15 min.			600			3/4					
																																		Checked motor shut off O.K.											
																																		FIRES Drilling out			600			800			2		
																																		DRILL OUT FLOAT + GUIDE			800			1030			2 1/2		
																																		TRIP OUT			1020			1200			1 1/2		
																																		LAY DOWN 9" DCS + PICH 11/7"			1200			200			2		
																																		TRIP IN			200			345			1 3/4		
																																		DRILL			345			400			1/4		
																																		FIRES											
																																		DRILL			400			430			1/2		
																																		SERVICE RIG + CHECK B.O.P.			430			445			1/4		
																																		DRILL			445			745			3		
																																		Survey @ 1520			745			800			1/4		
																																		Drill			800			1045			2 3/4		
																																		Survey @ 1764			1045			1100			1/4		
																																		Drill			1100			1200			1		
																																		FIRES											
																																		DRILL			400			430			1/2		
																																		SERVICE RIG + CHECK B.O.P.			430			445			1/4		
																																		DRILL			445			745			3		
																																		Survey @ 1520			745			800			1/4		
																																		Drill			800			1045			2 3/4		
																																		Survey @ 1764			1045			1100			1/4		
																																		Drill			1100			1200			1		
																																		FIRES											
																																		DRILL			400			430			1/2		
																																		SERVICE RIG + CHECK B.O.P.			430			445			1/4		
																																		DRILL			445			745			3		
																																		Survey @ 1520			745			800			1/4		
																																		Drill			800			1045			2 3/4		
																																		Survey @ 1764			1045			1100			1/4		
																																		Drill			1100			1200			1		
																																		FIRES											
																																		DRILL			400			430			1/2		
																																		SERVICE RIG + CHECK B.O.P.			430			445			1/4		
																																		DRILL			445			745			3		
																																		Survey @ 1520			745			800			1/4		
																																		Drill			800			1045			2 3/4		
																																		Survey @ 1764			1045			1100			1/4		
																																		Drill			1100			1200			1		
																																		FIRES											
																																		DRILL			400			430			1/2		
																																		SERVICE RIG + CHECK B.O.P.			430			445			1/4		
																																		DRILL			445			745			3		
																																		Survey @ 1520			745			800			1/4		
																																		Drill			800			1045			2 3/4		
																																		Survey @ 1764			1045			1100			1/4		
																																		Drill			1100			1200			1		
																																		FIRES											

DAILY DRILLING LOG
DIRECTIONS TO
WELL

[illegible]

From		Footage		To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)		Stands	Singles	DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	
B T S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.		
MUD		12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS		Next Oil Change
WEIGHT						No. 1	PRES-SURE					No. 2	PRES-SURE					1		
VISCOSITY						MODEL	S.P.M.					MODEL	S.P.M.					2		
GEL						LINER SIZE						LINER SIZE						3		
W.L.		F.C.		pH.		DESILTER: Hours Op:				U. Flow:				O. Flow:				SURVEYS		
ADDITIVES:						GENERAL:								At Feet		Degrees		4		
																		Weather		Water
																		Temp.		Bbls
Drilling Line Record		Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool						
From		Footage		To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)		Stands	Singles	DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	
B T S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.		
MUD		8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS		Next Oil Change
WEIGHT						No. 1	PRES-SURE					No. 2	PRES-SURE					1		
VISCOSITY						MODEL	S.P.M.					MODEL	S.P.M.					2		
GEL						LINER SIZE						LINER SIZE						3		
W.L.		F.C.		pH.		DESILTER: Hours Op:				U. Flow:				O. Flow:				SURVEYS		
ADDITIVES:						GENERAL:								At Feet		Degrees		4		
																		Weather		Water
																		Temp.		Bbls
Drilling Line Record		Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool						
From		Footage		To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)		Stands	Singles	DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	
B T S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.		
MUD		4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS		Next Oil Change
WEIGHT						No. 1	PRES-SURE					No. 2	PRES-SURE					1		
VISCOSITY						MODEL	S.P.M.					MODEL	S.P.M.					2		
GEL						LINER SIZE						LINER SIZE						3		
W.L.		F.C.		pH.		DESILTER: Hours Op:				U. Flow:				O. Flow:				SURVEYS		
ADDITIVES:						GENERAL:								At Feet		Degrees		4		
																		Weather		Water
																		Temp.		Bbls
Drilling Line Record		Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool						

[illegible]

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown-a-matic Chk'd.	Fuel on Hand 12.01 a.m.	gals.	CASING REPORT				DRILLER'S SIGNATURE	TRANSFER #
Hydriil					Rig Savers Chk'd.	Fuel Rec'd Today (add)	gals.	TO	RAN	ITS	CSG	RENTAL EQUIPMENT ON HAND	
Pipe Rams.						TOTAL	gals.	KB. USED				CEM	
Blind Rams.					Kelly Cock Chk'd.	Fuel on Hand 11.59 p.m. (deduct)	gals.	PLUS	%	PLUG DOWN	A.M. P.M.	DAYS FROM SPUD.	
TOTCO RING ON BIT #				Boiler Operated:	Hrs.	Fire Equip. Chk'd.	FUEL USED	gals.	CEMENT RETURNS - (YES/NO)			EQUIPMENT CHANGES	
APPROVED BY TOOLPUSHER APPROVED BY OPERATOR APPROVED BY REPRESENTATIVE													

CONSERVATION BOARD COPY

COM 45794

COMMONWEALTH DRILLING

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO. 15

LOCATION Fin

RUEF TRAINER LK

LSD. B

SEC 24

TWP.

RGE

W.

DATE Feb 25

1772

MAILING
POINTSHIPPING
POINTMILES
MOVEDROAD
CONDITIONSDAYS FROM
SPUD

TOUR MIDNIGHT TO 8 A.M. TOUR 8 A.M. TO 4 P.M. TOUR 4 P.M. TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly		
1272								21	9	32	646	33	747				
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
M.U.D.	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change	
WEIGHT					No. 1	PRES-SURE				No. 2	PRES-SURE						
VISCOSITY					MODEL	S.P.M.				MODEL	S.P.M.						
GEL					LINER SIZE					LINER SIZE							
W.L.	F.C.	pH.	DESILTER: Hours Op:	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees									
ADDITIVES:	RAN 35 IT's 1336 GENERAL SURFACE CASING																
	11 IT's 48" K55 RGT 2 NEW MANNING MAN																
	24 IT's 54.5" K55 NEW CHER RGT 3 CASING																
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool				

REMARKS			TIME		
START	STOP	INTVL			
1200	1230	1/2			
1230					
300		22			
430		1 1/2			
800		3 1/2			
800	1130	3 1/2			
1130	245	3 1/2			
245	400	1 1/2			
400		14			
400	530	1 1/2			
530	1200	6 1/2			

CONSERVATION BOARD COPY

COM 45793

DAILY DRILLING LOG
DIRECTIONS TO
WELL

MAILING POINT:

SHIPPING
POINT

MILES
 MOVED

ROAD
CONDITIONS

DAYS FROM
SEED

[illegible]

CONSERVATION BOARD COPY

COM 45792

COMMONWEALTH DRILLING

DAILY DRILLING LOG
DIRECTIONS TO
WELLRIG NO. 15 LOCATION FIN GULF TRAINER LK LSD B SEC. 24 TWP --- RGE --- W. --- DATE FEB 23/72 19 72MAILING
POINTSHIPPING
POINTMILES
MOVEDROAD
CONDITIONSDAYS FROM
SPUD

TOUR MIDNIGHT TO 8 AM

TOUR 8 AM TO 4 PM

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Mrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Fl. up on Kelly			
781	209	1090	5 1/2	88	40 1/2	46		21	7 1/2	3 1/2	646	32	747		7'			
B I T S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	HA	12 1/2	BSC3	Con	R.T. 10-12	160		241	6 1/2			1	450	62		B	4	2

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT	10 1/2	11 1/2	11 1/2	11 1/2	No. 1	PRE-SURE	4	5	0	No. 2	PRE-SURE				1	
VISCOSITY	88	90	91	75	MODEL	S.P.M.	4	5	0	MODEL	S.P.M.	12			2	
GEL					LINER SIZE	5 1/2	5 1/2	5 1/2	5 1/2	LINER SIZE	5 1/2	5 1/2	5 1/2	5 1/2	3	
W.L.	F.C.	pH.	DESILTER: Hours Op:	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees	4	1036	1/2					
ADDITIVES:	GENERAL:															

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fl. Left on Spool

From	Footage	To	Mrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Flt up on Kelly
1090	150	1240	6	92	6	0		31	9"	3 1/2"	2 3/4	646	32	747	10

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Mrs.	Reamed	Mrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4A	12 1/2	OSC3	Con	RT	620	140	391	12 1/2			1	350	62		R	4	n
										</							

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	11 1/2	11 1/2	11 1/2	11 1/2	No. 1	PRE-SURE	3	5	0	No. 2	PRE-SURE				1	
VISCOSITY	75	72	74	70	MODEL	S.P.M.	62	62	62	62	MODEL	S.P.M.			2	
GEL					LINER SIZE	5 1/2	5 1/2	5 1/2	5 1/2	LINER SIZE	5 1/2	5 1/2	5 1/2	5 1/2	3	
W.L.	F.C.	pH.	DESILTER: Hours Op:	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees	4	1096	1/4					
ADDITIVES:	GENERAL:															

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fl. Left on Spool

From	Footage	To	Wt. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fl. up on Kelly		
1240	42	1282	1 3/4	92	586.16			21	7	2 3/4	646.32		7.47		0		
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4A	12 1/2	OSC3	CONV	RTA	20	140	433	14 1/2			1	250	62		4	6	I
	17 1/2			RRUN	30	120			63	3/4	1		62				
D.A.S.C.																	

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	11.1				No. 1	PRE-SURE	3	5	0	No. 2	PRE-SURE				1	
VISCOSITY	65				MODEL	S.P.M.	62			MODEL	S.P.M.				2	
GEL					LINER SIZE	5 1/2				LINER SIZE					3	
W.L.	F.C.	pH.	DESILTER: Hours Op:	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees	4	1280	1/2					
ADDITIVES:	GENERAL:															

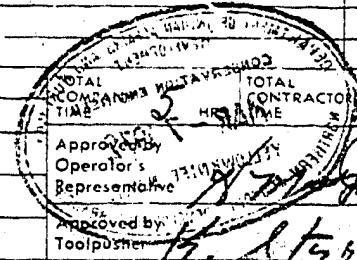
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fl. Left on Spool

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown-o-matic Chk'd.	Fuel on Hand 12.01 a.m.	gals.	CASING REPORT	RAN	ITS	CSG	RENTAL EQUIPMENT ON HAN.	REAM
Hydril					Ria Savers Chk'd.	Fuel Rec'd Today (add)	gals.	TO	KB. USED	SAX	CEM		
Pipe Rams.					Kelly Cock Chk'd.	Fuel on Hand 11.59 p.m. (deduct)	gals.	PLUS	%	PLUS	DOWN	A.M. P.M.	DAYS FROM SPUD:
Blind Rams.					Fire Equip. Chk'd.	FUEL USED	gals.	CEMENT RETURNS - (Y'S/NO)				EQUIPMENT CHANGES	
TOTCO RING ON BIT#					Boiler Operated:	Hrs.							

REMARKS	START	STOP	INTVL.
CIR WORK Pipe To Survey	12 20	12 45	3
Survey	12 45	1 00	15
DRILL	1 00	1 45	3
CIR WORK Pipe And Survey	1 45	2 15	15
DRILL	2 15	3 30	1 15
SURVEY	3 30	4 00	30
DRILL	4 00	5 00	1 00
SURVEY	5 00	5 30	30
DRILL	5 30	7 00	1 30
FIRES			

REMARKS	START	STOP	INTVL.
Dr. II	8 00	8 30	30
Rig Sew + Survey	8 30	9 00	30
Pull Valve Seat + Replace #2 pump	9 00	10 00	1 00
Dr. II	10 00	12 45	2 45
Survey	12 45	1 00	15
Dr. II	1 00	3 05	2 05
Survey	3 05	3 30	25
Dr. II	3 30	4 00	30
FIRES			

REMARKS	START	STOP	INTVL.
DRILL	4 00	5 45	1 45
SURVEY	5 45	6 00	15
HOIST + MEASURE OUT	6 00	7 00	1 00
MAKE UP SUBS + REAMER	7 00	7 20	20
CLEAN OUT LEDGE W/ REAMER	7 20	8 20	1 00
BREAK DOWN REAMER + SUBS.	8 20	9 00	40
TRIP IN	9 00	9 30	30
REPAIR MUD LINE TO GEAR J	9 30	10 00	30
TRIP IN	10 00	10 30	30
REAMING 12 1/2 TO 17 1/2	10 30	11 00	30
REPAIR CAMBON ON MUD LINE	11 00	11 45	45
FIRES			



CONSERVATION BOARD COPY

COM45791

COMMONWEALTH DRILLING

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO. 15 LOCATION Gulf Trainer L.L. SEC. 24 TWP. RGE. W. DATE Feb 22 1972

MAILING
POINTSHIPPING
POINTMILES
MOVEDROAD
CONDITIONSDAYS FROM
SPUD

TOUR MIDNIGHT TO 8 AM TOUR 8 AM TO 4 PM TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Drill Collars	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly				
677	79	750	5 1/2	82	6 1/2	2	3	7 1/2	5 1/2	146.32	747			6				
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
3A	17 1/2	OSC 3-19	JA-319	6-8	160	250	12	800										
M.U.D	12 m.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change		
WEIGHT	10.7	10.7	10.7	10.5	No. 1	PRES-SURE				No. 2	PRES-SURE							
VISCOSITY	70	72	68	6.3	MODEL	S.P.M.				MODEL	S.P.M.							
GEL					LINER SIZE					LINER SIZE								
W.L.	F.C.	pH.	DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees		Weather		Water	
ADDITIVES: Gel 2000 GENERAL: WATER TRUCK 5 HR.																		
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool					
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	Drill Collars	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly			
750	80	830	3 1/2	84	1		3	7 1/2	3 1/2		646.32	747			19			
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
3A	17 1/2	OSC 3-19	JA-319	10	180	330	16				1	600	62		R	4	N	
M.U.D	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change		
WEIGHT	10.5	10.5	10.5	10.4	No. 1	PRES-SURE				No. 2	PRES-SURE							
VISCOSITY	66	66	62	5.7	MODEL	S.P.M.				MODEL	S.P.M.							
GEL					LINER SIZE					LINER SIZE								
W.L.	F.C.	pH.	DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees		Weather		Water	
ADDITIVES: GEL 35 SKS CAUSTIC 1 SK																		
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool					
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	Drill Collars	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly			
830	51	881	2 1/4	90	186.45		21	7 1/2	2 1/4		646.32	747			0			
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
3A	17 1/2	OSC 3-19	JA-319	15	180	174					1	600	62		7	3	1	
4A	12 1/4	OSC 3-19	RET-10	10	160	349	1				1	450	62					
M.U.D	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change		
WEIGHT	6.5				No. 1	PRES-SURE				No. 2	PRES-SURE							
VISCOSITY	65				MODEL	S.P.M.				MODEL	S.P.M.							
GEL					LINER SIZE					LINER SIZE								
W.L.	F.C.	pH.	DESILTER: Hours Op:		U. Flow:		O. Flow:		SURVEYS		At Feet		Degrees		Weather		Water	
ADDITIVES:																		
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool					

REMARKS	TIME		
	START	STOP	INTVL.
DRILL 17 1/2' HOLE	12:00	1:15	1 1/4
Rig. Serv. x Survey	1:15	1:30	1/2
Rig up Cellar Jet AND	1:30		
Cleanout Cellar		3:30	2
DRILL 17 1/2' HOLE	3:30	4:00	1/2
REPAIR mud line on Cellar Jet	4:00	4:15	1/4
DRILL 17 1/2' HOLE	4:15	5:30	1 1/4
WORK ON Pump x Survey	5:30	6:30	1
SURVEY DRILL 17 1/2' HOLE	6:30	8:00	1 1/2
FIRES			
Drill	8:00	8:15	1/4
Rig Serv Survey	8:15	8:45	1/2
Drill	8:45	9:30	3/4
Weld on Cellar Jet	9:30	12:15	2 3/4
Drill	12:15	12:45	1/2
Survey	12:45	1:15	1/2
Drill	1:15	2:45	1 1/2
Survey work on Pump Belts	2:45	3:30	3/4
Drill	3:30	4:00	1/2
FIRES			
Drill	4:00	5:15	1 1/4
SURVEY + RIG SERVICE	5:15	5:30	1/4
TRIP	5:30	10:45	5 1/4
CLEAN TO BTM 10'	10:45	11:00	1/4
DRILL 12 1/4' HOLE	11:00	12:00	1
FIRES			

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown-a-matic Chk'd.	Fuel on Hand 12.01 a.m.	gals.	CASING REPORT	RAN	JTS	CSG	RENTAL EQUIPMENT ON HAND	TRANSFER #
Hydrit					Rig Savers Chk'd.	Fuel Rec'd Today (add)	gals.						
Pipe Rams.					Kelly Cock Chk'd.	TOTAL	gals.	TO	KB. USED	SAX	CEM		
Blind Rams.					Fire Equip. Chk'd.	Fuel on Hand 11.59 p.m. (deduct)	gals.	PLUS	%	PLUG DOWN	A.M. P.M.	DAYS FROM SPUD:	
TOTCO RING ON BIT #						FUEL USED	gals.	CEMENT RETURNS (YES/NO)				EQUIPMENT CHANGES	
Approved by Operator Representative Approved by Toolpusher 14. 1/27/72													

CONSERVATION BOARD COPY

COM 45790

COMMONWEALTH DRILLING

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO. 15 LOCATION Fire Bulk Tanker LSO. B SEC. 24 TWP RGE. W. DATE Feb 21 1972

MAILING
POINTSHIPPING
POINTMILES
MOVEDROAD
CONDITIONSDAYS FROM
SPUD

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	REMARKS	TIME	
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
386	114	500	5 1/4	68"				12	7	2 1/2	461	74			10			
2A	17	S3	3-19	13T	5-8	180	331	16 1/2			112	550	62		16	4	1	
M U D 12 mn. 2 a.m. 4 a.m. 6 a.m. PUMP 12 mn. 2 a.m. 4 a.m. 6 a.m. MOTOR HOURS Next Oil Change																		
WEIGHT 10.6 10.6 10.8 10.8 No. 1 PRES. SURE No. 2 PRES. SURE 1																		
VISCOSITY 75 85 93 80 MODEL S.P.M. 62 MODEL S.P.M. 50 2																		
GEL 10/1-200 5 1/2 x 16 12-2600 5 1/2 x 14 3																		
W.L. F.C. pH. DESILTER: Hours Op. U. Flow: O. Flow: SURVEYS At Feet Degrees 4																		
ADDITIVES: Gel 1000# GENERAL: 4 415 10 5																		
WATER TRUCK 6 HR. 447 10 5																		
478 10 5																		
Drilling Line Record Size Make Serial No. No. Lines Trips Ton Miles Total Miles Slip Feet or Cut At Miles Date Slip or Cut Next Slip Ft. Left on Spool																		
500	115	615	4 1/4	80				16	7 1/2	2 1/2	552	71	740					
3A	17 1/2	05-3	3-19	JA-319	6-10	180	116	4 1/2			112	800						
M U D 8 a.m. 10 a.m. 12 noon 2 p.m. PUMP 8 a.m. 10 a.m. 12 noon 2 p.m. MOTOR HOURS Next Oil Change																		
WEIGHT 10.8 10.8 10.9 No. 1 PRES. SURE No. 2 PRES. SURE 1																		
VISCOSITY 85 80 83 MODEL S.P.M. MODEL S.P.M. 2																		
GEL 10/1-200 5 1/2 x 16 12-2600 5 1/2 x 14 3																		
W.L. F.C. pH. DESILTER: Hours Op. U. Flow: O. Flow: SURVEYS At Feet Degrees 4																		
ADDITIVES: CAUSTIC 15% GENERAL: 510 12 5																		
541 3 1/2 5																		
601 12 5																		
Drilling Line Record Size Make Serial No. No. Lines Trips Ton Miles Total Miles Slip Feet or Cut At Miles Date Slip or Cut Next Slip Ft. Left on Spool																		
615	56	671	3 3/4	82				3	8 3/4	3 1/2	616	322	40		23			
3A	17 1/2	05-3	3-19	JA-319	6-10	180	171	8			112	800						
M U D 4 p.m. 6 p.m. 8 p.m. 10 p.m. PUMP 4 p.m. 6 p.m. 8 p.m. 10 p.m. MOTOR HOURS Next Oil Change																		
WEIGHT 10.9 10.9 10.9 10.7 No. 1 PRES. SURE No. 2 PRES. SURE 1																		
VISCOSITY 78 15 80 80 MODEL S.P.M. MODEL S.P.M. 2																		
GEL 10/1-200 5 1/2 x 16 12-2600 5 1/2 x 14 3																		
W.L. F.C. pH. DESILTER: Hours Op. U. Flow: O. Flow: SURVEYS At Feet Degrees 4																		
ADDITIVES: CAUSTIC 50% GENERAL: 632 10 5																		
664 10 5																		
Drilling Line Record Size Make Serial No. No. Lines Trips Ton Miles Total Miles Slip Feet or Cut At Miles Date Slip or Cut Next Slip Ft. Left on Spool																		
B.O.P. Tested Elapsed Time Pres. sure Packing & Seal Inspected Date Crown-o-matic Chk d. Fuel on Hand 12.01 a.m. gals. CASING REPORT RAN JTS CSG RENTAL EQUIPMENT ON HAND																		
Hydriil Fuel Rec'd Today (add) gals. TO KB. USED SAX CEM																		
Pipe Rams. TOTAL gals. PLUS PLUG DOWN A.M. P.M. DAYS FROM SPUD:																		
Blind Rams. Fuel on Hand 11.59 p.m. (deduct) gals. CEMENT RETURNS - (YES/NO) EQUIPMENT CHANGES																		
TOTCO RING ON BIT # Boiler Operated: Hrs. Fire Equip. Chk d. FUEL USED gals.																		
Approved by Operator's Representative																		
Approved by Toolpusher																		

CONSERVATION BOARD COPY

COM45789

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO

LOCATION

Fin

B. L. P.

T20

3 10 2

11

SD

3 SEC

24

W D

REF

DATE

7

26

22

72

MAILING POINT

SHIPPING

MILES

ROAD

DAYS FROM

[illegible]

CONSERVATION BOARD COPY

COM 45788

COMMONWEALTH DRILLING

DAILY DRILLING LOG
DIRECTIONS TO
WELL

RIG NO.

15

LOCATION

Fire Bull Trainor Lk.

13-24

SEC.

TWP.

RGE.

W.

DATE

Feb 19

1972

SHIPPING
POINTMILES
MOVEDROAD
CONDITIONSDAYS FROM
SPUD

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly			
0																		
B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
I																		
T																		
S																		
MUD	12 m.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change		
WEIGHT					No. 1	PRES-SURE				No. 2	PRES-SURE				1			
VISCOSITY					MODEL	S.P.M.				MODEL	S.P.M.				2			
GEL					LINER SIZE					LINER SIZE					3			
W.L.	F.C.	pH.	DESILTER: Hours Op:	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees							4			
ADDITIVES:			GENERAL:												5			
															Weather		Water	
															Temp.		Bbls.	
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool					
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly			
0	50	50	1	20 m				1	8 1/2	3 1/4	32 1/2				7.47			
B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
I	1A	17 1/2	53	3-19	R.T.			50	1			1	200	65		Run		
T																		
S																		
MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change		
WEIGHT					No. 1	PRES-SURE				No. 2	PRES-SURE				1			
VISCOSITY					MODEL	S.P.M.				MODEL	S.P.M.				2			
GEL					LINER SIZE					LINER SIZE					3			
W.L.	F.C.	pH.	DESILTER: Hours Op:	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees							4			
ADDITIVES:			GENERAL:												5			
															Weather		Water	
															Temp.		Bbls.	
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool					
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly			
50	100	150	64	33				3	8 1/2	3 1/4	91 1/4				7.47	19		
B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
I	1A	17 1/2	53	3-19	R.T.			140	74									
T																		
S																		
MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change		
WEIGHT	40	50	43	40	No. 1	PRES-SURE				No. 2	PRES-SURE				1			
VISCOSITY					MODEL	S.P.M.				MODEL	S.P.M.				2			
GEL					LINER SIZE					LINER SIZE					3			
W.L.	F.C.	pH.	DESILTER: Hours Op:	U. Flow:	O. Flow:	SURVEYS	At Feet	Degrees							4			
ADDITIVES:			GENERAL:												5			
															Weather		Water	
															Temp.		Bbls.	
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool					

RIGGING UP

120

FUEL 5'11"

FIRES

Eric Tubie
DRILLER'S SIGNATURE

Rigging up 8:00 12:00 4.
Rig To Spud 12:00 3:00 3
Spud w/ 17" Bit and DRIG 3:00 4:00 1
Same

FIRES

Eric Tubie
DRILLER'S SIGNATURE

Drill 4:00 7:00 3
Rig Serv Survey @ 90 7:00 7:30 1/2
Drill 7:30 9:30 2
Swack Title Hole 9:30 10:30 1
Survey @ 120 10:30 10:45 1/4
Drill 10:45 12:00 1 3/4

FIRES

Eric Tubie
DRILLER'S SIGNATURE

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown-a-matic Chk'd.	Fuel on Hand 12.01 a.m.	gals.	CASING REPORT	RAN	JTS	CSG	RENTAL EQUIPMENT ON	TRANSFER #
Hydril					Rig Savers Chk'd.	Fuel Rec'd Today (add)	gals.						
Pipe Rams					Kelly Cock Chk'd.	TOTAL	gals.	TO	KB. USED	SAX	CEM		
Blind Rams						Fuel on Hand 11.59 p.m. (deduct)	gals.	PLUS	%	PLUG DOWN	A.M. P.M.	DAYS FROM SPUD:	
TOTCO RING ON BIT #					Boiler Operated: Hrs.	Fire Equip. Chk'd.	gals.	FUEL USED	CEMENT RETURNS - (YES/NO)	EQUIPMENT CHANGES			

CONSERVATION BOARD COPY

COM 45787