

TRIAD BP ARCO CC

HUME R. A-53

Drilling Authority No. 374
Date Issued 19 June 1969

WELL NAME Triad BP ARCO CC Kumo R. A-53
FIELD Area:
LOCATION: Unit A Section 53 Grid 6610-129-00
Latitude 66-02-12 Longitude 129-09-46
U.W.L.R. 66.03666 — 129.16278
U.W.I. 300A536610129000

Rig Release Date:
Status:
Information Release Date:

CHANGE OF NAME:

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Drilling Authority No. 374

Date Issued June 19th, 1969

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 TRIAD BP ARCO CC HUME R. A-53
Permit No. 1273 Lease No.
Atlantic Richfield and Columbia, Exploratory Licence No. 1325 and 1328
(Permitter, Licensee, Lessee) Carbon Co.
Triad Oil Co. Ltd. Operators Exploratory Licence No. 1264
(Operator)

Location: Unit A Section 53 Grid 66° 10' 129° 00'
Latitude 66° 02' 12" N Longitude 129° 09' 46" W
From Established Reference Marker Triad seismic line #2 Shot point 596
Universal Well Location Reference Lat 66.03666° N; Long. 129.16278° W

	DATE	DEPTH	Pool(s)
Spudded	July 4/69		Nil
Suspended			Interval(s) open to production Nil
Resumed Operations			
Finished Drilling	July 23	3800	
Deepened			Elevation: Gr. 193 K.B. 206
Complete (gas/oil)			Rig No. IE
Abandoned	July 26		Drilling Contractor S and T Drilling(Western)Co.Ltd.
Rig released	July 26		Contractor's Business Licence No. 564

CASING RECORD

Casing Size (Inches)	Grade	Weight	Amount	Net wt -	Sacks of Cement and Additives
1. 13-3/8"	H-40	48#	3 joints	90'	75 sacks + 3# CaCl ₂
2. 8-5/8"	J-55	24#	13 joints	536'	300 sacks + 3# CaCl ₂
3.					
4.	* Recemented with 220 sacks cement from surface to 38', and 185 sacks outside conductor pipe.				
5.					
6.					

GEOLOGICAL TOPS	ELEVATION		CORE RECORD					
	Depth	Sub-Sea	From	To	Rec.	From	To	Rec.
Quaternary	13	+ 193	796	829.6	33'			
Cretaceous	197	+ 9	829.6	866	15'			
Devonian								
-Imperial	N.Pr.							
-Canol	778	- 572						
-Ramparts Reef	782	- 576						
-Ramparts Platform	1094	- 888						
-Hare Indian	1212	-1006						
-Hume	1932	-1726						
-Headless/Funeral	2105	-1899	1	Induction Electrical		536	3799	
-Bear Rock Equiv.	2240	-2034	1	BHC Sonic-Caliper		536	3800	
-Bear Rock Dol.	2832	-2626	1	Formation Density				
Silurian/Ordovician				GR Caliper		536	3799	
-Romney Group	3184	-2978	1	Microlog Caliper		536	3798	

CEMENTING RECORD (Plug, Squeeze, etc.)				PERFORATING RECORD (Bullet, Jet)				SERVICING RECORD (Acidizing, Fracture, etc.)			
Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
Abandonment Plugs											
No.1 July25	3500	3800	not felt. 73 sacks cement				Nil				Nil
No.2 July25	2600	2800	felt at 2625. 53 sacks cement + 8% gel + 2% CaCl ₂ + 2 sacks gel flake.								
No.3 July26	485	585	felt at 330. 114 sacks cement + 3% CaCl ₂								
No.4 July26	surface		out off casing 3' below ground level and welded on oap. Cemented with 5 sacks cement.								

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.	I.H.P.	F.H.P.	REMARKS
1	July 9	Ramparts	775	829	90	60	60	297	296	53	56	372	372	recovered 8' drilling mud.
2	July 12	Ramparts	829	1117	60	60	90	326	317	40	82	404	404	recovered 100' watery drilling mud.
3	July 25	Bear Rock D	2742	2770	44	46	62	1273	1277	1195	1270	1300	1300	recovered 1500' muddy salt water and 1242' salt water.

ANALYSIS				PRESENT STATUS OF WELL			
Lab. No.	Sample	From	To	Oil	Gas	Dry	Susp.
CAL-2-595	mud	829	1117				
CAL-2-595	water	2742	2770				
CNP-4-4801	core	829.6	866				
				Dry, Dry and Abandoned.			

Company TRIAD OIL CO., LTD.
 Signed by *[Signature]*
 Title *[Signature]*
 Date October 31, 1969

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



File No. _____
Drilling Authority No. 378

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

~~RESOURCE MANAGEMENT DIVISION~~

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 TRIAD BP ARCO CC WELLS R A-53
Location: Unit A Section 53 Grid 66° 10' N. 129° 00' W.
Latitude 66° 02' 12" N. Longitude 129° 03' 46" W.
From Established Reference Marker Triad's Seismic Line No. 2, Shot Point No. 596.
Universal Well Location Reference Lat. 66.03666° Long. 129.16278°
Permit No. 2273 Lease No. _____

Atlantic Richfield Company & Columbia
Carbon Co. (under license to Triad)
(Permittees, Licensees, Lessees)

Date of commencement of proposed program July 25th, 1969.

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at NIL
Gas at NIL
Water at 2742' - 2770' DST-73
Total Depth 3800' Date of last operations July 25th, 1969.
Present condition of well circulating for approval to abandon

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Poured
1. <u>13-3/8"</u>	<u>48</u>	<u>3 jts.</u>	<u>90.19'</u>	<u>480 sbs. + 2X CaCl₂</u>	<u>NIL</u>
2. <u>8-5/8"</u>	<u>24</u>	<u>13 jts.</u>	<u>535'</u>	<u>200 sbs. + 1X CaCl₂</u>	<u>NIL</u>
3. _____	_____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____	_____
5. _____	_____	_____	_____	_____	_____

PROPOSED ABANDONMENT PROGRAM

Flag		Geological Formation	Number of Sacks of Cement	Remarks
No.	Position			
1	3500' - 3800'	Running Group	*	*Calculated from Caliper
2	2600' - 2700'	Beak Rock	*	log of hole 50' above and
3	485' - 585'	Upper Devonian	*	below surface casing.
4	Surface - 5 sacks cement, install identification marker.			
Remarks: No seal on Plug #1				
Seal plug #2 and 3 in 8 hours.				

The following logs have been run DLS, EBC Sonic Gamma, Density, Microlog Caliper.

Other operations proposed None

Operations to be carried out by C.C. Eber Contractor Licence No. 564

Address Wexham Wells, N.W.T. Address Edmonton, Alberta.

Responsible Agent in field C.C. Eber

Dated at Calgary this 25th Day of JULY, 19 69.

Signed by B.L. Gavel Company Triad Oil Co. Ltd.

Title Supervisor Operator's Exploratory Licence No. 1264

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

(For RESOURCE MANAGEMENT DIVISION use only)

APPROVAL

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

Confirming oral approval, including Plug No. 4, given by Mr. B.H.J. Thomas
on the 29th July 1969.

Dated 29th July, 19 69

B.H.J. Thomas
Oil Conservation Engineer

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

File No.

Drilling Authority No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION
OIL AND MINERAL

Application to Change a Well Name

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

TRIAD BP ARCO CS HUME R A-53

(Old name)

to TRIAD BP ARCO CC HUME R A-53

(Proposed new name)

Well Location

Location: Unit A Section 53 Grid 66°10' 129°00'

Latitude 66° 02' 12" N. Longitude 129° 09' 46" W.

From Established Reference Marker Triad's Seismic Line No. 2, Shot Point No. 596

Universal Well Location Reference Lat. 66.03666° N., Long. 129.16278° W.

Reason for Changing Well Name

Although Columbian Carbon Company is a Division of Canada-Cities Service Petroleum Corporation, the joint permittee's name is Columbian Carbon Company and should appear in the well name.

Dated at Calgary, Alta. this 20th day of June 19 69

Signed by J. H. Nelson

Title Land Manager

Company Triad Oil Co. Ltd.

(For Resource Management Division use only)

APPROVED

This application has been examined and approved:

Date 20th June 19 69

B. S. Thomas
Oil Conservation Engineer

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

Drilling Authority No. 374

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 TRIAD BP ARCO CS HUME R A-53
Location: Unit A Section 53 Grid 66°10' N
Latitude 66°02'12" N Longitude 129°09'46" W
Unique Well Identifier 300 A 53 66 10 129 000
Universal Well Location Reference Lat 66.03666° Long 129.16178°
Elevation: Ground 191 (est) K.B. 200 (est) feet above sea-level.
Well is expected to produce from Ramparts formation at a depth
of about 1200 feet. Expected total final depth 4000' i.e. 600' below
Area assigned to well base of Bear Rock
(For Oil Conservation Engineer's use only)

Permit No. 1273 Lease No. Acreage 51.966
Permittee, licensee, or lessee Atlantic Richfield Company (under farmout to Triad)
Exploratory Licence No. 1325 & Columbia Carbon Co.
Surface owned by Crown or Crown 1328
Petroleum and natural-gas rights owned by CROWN
(If applicant submit name and address of owner and occupant)

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	Length of Cement
1. 13 3/8	48	H 40	New	80'	to surface
2. 8 5/8	24	J 55	New	500'	to surface
3. 4 1/2	9.5	J 55	New	1200'	as approved by Oil Conservat- ion-Engineer
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment. Ramparts 700-1200'; Bear Rock 2300-3200'; Ronning 3200-TD

Control Equip: One 10" series 900 Double Hydraulic Ram Preventer
One 10" series 900 Hydril GK

Well will be drilled with Rotary Rig No. IE by S&T Drilling (Western) Co. Ltd.
(Drilling Contractor or company)

5825-98 Street, EDMONTON, Alberta.

Responsible agent of applicant: Triad Oil Co. Ltd. Contractor's business Licence No. 564
At well Drilling Foreman At registered office V.A. Siebrasse
Address Norman Wells, N.W.T. Address 535-7th Ave. S.W., CALGARY 2, Alta.
It is understood that if changes become necessary, notice of the change of plan will be submitted.
Dated at Calgary this 12th day of June 19 69
Signed by [Signature] Company Triad Oil Co. Ltd.
Title Senior Landman Operator's Licence No. 1264

(For Oil and Mineral Division use only)

APPROVED

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

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

Dated 19th June 19 69

Oil Conservation Engineer

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

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

3. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.



E.H.J. Thoms
Oil Conservation Engineer



File No.
Drilling Authority No. 374

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

OIL AND MINERAL DIVISION

WELL-SITE INSPECTION REPORT

FROM: Field Office or Area: NORMAN WELLS Date: 11th July 1971

TO: The Oil Conservation Engineer:

RE: TRIAD BP ARCO CC HUME R A-53 66-10-129-00

Location: 65.03666°N., 129.16278°W. Status: D&A July 1969

This location was inspected by the undersigned on 11th July 1971

The location is in satisfactory/unsatisfactory condition. TD 3800'

The following items require attention:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Other comments and recommendations: (Include Map, if necessary for clarity)

Identified as Triad BP ARCO CC Hume R A-53A53 66-10-129-00 NWT

Weld on pipe, a bit weak but O.K.

Very good clean up.



Inspected by M. D. Thomas

Original to Oil Conservation Engineer, Dept of IA & ND, Duplicate to Field Office or Inspecting Engineer. M. D. Thomas
District 2

IAND 52-90-14 (9-69)

39-11-6-8

WELL HISTORY REPORT

TRIAD BP ARCO CC HUME RIVER A-53

WELL HISTORY REPORT

TRIAD BP ARCO CC HUME RIVER A-53



A.J. Morris

A.J. Morris

Chief Petroleum Engineer

D.D. Wright

D.D. Wright

Production Manager
Triad Oil Co. Ltd.

September 5, 1969

RCC/lch

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I. SUMMARY OF WELL DATA

(a) Name: Triad BP ARCO CC Hume R A-53

(b) Permittee: Atlantic Richfield and Columbia Carbon Co.
(under farmout to Triad Oil Co.)

(c) Operator: Triad Oil Co. Ltd.
535 - Seventh Avenue S.W.
Calgary, Alberta

(d) Location:
Grid System A-53-66-10-129-00
Univ. Well Loc. Ref. # Lat. 66.03666° Long. 129.16278°
Unique Well Identifier 300A536610129000

(e) Co-ordinates: Lat. 66° 02' 12"N Long. 129° 09' 46"W
based on Triad's seismic line No. 2 shot
point No. 596

(f) Permit: No. 1273

(g) Drilling Contractor: S and T Drilling (Western) Co. Ltd.
Rig # IE
Diesel Electric Rotary Rig

(h) Drilling Authority: No. 374

(i) Classification: New Field Wildcat

(j) Elevations: Ground: 193' KB: 206'

(k) Date Spudded: July 4, 1969

(l) Date Drilling Finished: July 23, 1969

(m) Total Depth: 3800' KB

(n) Well Status: Dry and Abandoned

(o) Date Rig Released: July 26, 1969

(p) Hole Sizes: (i) 17-1/2" surface to 90' KB
(ii) 12-1/4" 90' to 538' KB
(iii) 7-7/8" 538' to 3800' KB

(q) Casing: (i) Conductor - 13-5/8" @ 90' KB
(ii) Surface - 8-5/8" @ 536' KB
(iii) Production - None

II. GEOLOGICAL SUMMARY

Page 2.

(a) Formation Tops:

<u>Formation</u>	<u>Log Depth</u>	<u>Sample Depth</u>
<u>Quaternary</u>		13
<u>Cretaceous</u> Sans Sault Group		197
<u>Devonian</u>		
Imperial	N.Pr.	N.Pr.
Canol	778	776
Ramparts Reef	782	778
Ramparts Platform	1094	1096
Hare Indian	1212	1290
Huze	1932	1929
Headloss/Funeral	2105	2090
Bear Rock Equivalent	2240	2245
Bear Rock Dolomite	2832	2865
<u>Silurian/Ordovician</u> Ronning Group	3184	3181

(b) Cored Intervals :

- 1) 796 - 829.6' KB Cut 33.6', recovered 33'.
Ramparts Formation (not analyzed)
- 2) 829.6 - 866' KB Cut 36.4', recovered 15'
Ramparts formation (analyzed)

(c) Core Descriptions:

Attached - see pages 3 and 4.

(d) Sample Description:

Attached - see pages 5, 6, 7, 8 and 9.

TRIAD OIL CO. LTD.
WEEKLY FIELD REPORT (SEC. 3)

Page 3.

CORE DESCRIPTION

Well Triad et al Hume River A-53-66-10-129 Described by L. Ter Berg Date July 18, 1959

Core No. 1 Interval 796-829.6 -00 Ret 33' Formation Ramparts

Coring Times 7/18/22/19/19/22/25/30/22/22/39/31/25/22/24/26/25/24/30/30/32/32/36/39/35/27/
Mins/ft 31/24/22/20/18/16/33/tool jammed.

Intervals	Descriptions
796-801	Limestone: 40% of the rock consists of light brown to cream colored bulbous stromatoporoids (up to 3" in diameter) and Stachyodes, and a few coral fragments. These are embedded in medium brown very fine grained calcarinite to lime mud matrix. There are a few horizontal stylolites All interorganic and intercrystalline porosity is filled with sparry calcite cement.
801-801.5	Transition from zone above to zone below. Consists of medium brown calcarinite to lime mud, with abundant stromatoporoid fragments. No porosity due to calcite cement.
801.5-821.5	Limestone: brownish grey and brown laminae of very fine grained calcarinite to calcilutite, with a few tongues of very fine grained calcarinite containing 30% bulbous stromatoporoid and Stachyodes fragments. Scattered stringers of the lime mud are slightly argillaceous.
821.5-829.6	Limestone: 60% of the rock consists of tabular stromatoporoid fragments associated with fair amounts of 3" massive stromatoporoid fragments and Stachyodes, a few coral fragments and some small spirifers. These are embedded in lime mud to very fine grain lime sand. All interorganic and intercrystalline porosity is cemented with sparry calcite Some vertical and random fracturing in core with dead oil staining.

TRIAD OIL CO. LTD.
WEEKLY FIELD REPORT (SEC. 3)

Page 4.

CORE DESCRIPTION

Well Triad BP ARCO CC Huma River A-53 Described by L. Ter Berg Date July 28/69

Core No. 2 Interval 829.6-866 Rec. 15' Formation Ramparts

Coring Times 8/10/11/10/11/12/11/12/13/14/19/17/15/13/16/19/16/19/15/16/38/13/14/14/30/30/

Mins/ft 21/29/27/42/27/21/21/31/35/45 Made connection. Tool jammed. Recovered 15' only.

Intervals	Descriptions
	Limestone: 50% of the rock consists of Stachyodes and brecciated massive bulbous and tabulate stromatoporoids (2-3 inches long), with a few corals, brachiopods and some bryozoans. The matrix is brownish cream colored limestone with a minor amount of limestone. The matrix has no visible porosity. The intraorganic pores are filled with sparry calcite. The only visible porosity is life-oil-stained fracture porosity at 836-837.

TRIAD OIL CO. LTD.
WEEKLY FIELD REPORT (SEC. 2)

SAMPLE DESCRIPTION

Well: Triad BP ARCO CC Hume River A-53

Date August 6, 1969

Logged by: B. Chi

These sample depths have/have not been logged for drilling time.

Intervals	Descriptions
	Samples logged at 1 min/100 ft. and adjusted to log depths. Description starts at 20 feet below Kelly Bushing (206 est.) in Quarternary
20-30	Sand: brown, fine to medium grained. Fluvialite. Some fine gravel.
30-197	Gravel; predominantly of black siliceous shale. The mud has been washed through the shaker, so that samples consist of gravel and some sand only.
197-252	Samples consist still of gravel, but geologist suggests this interval to be already Cretaceous shale.
197	TOP CRETACEOUS SANDS SAULT GROUP
252-270	Shale: dark grey, micromicaceous, fissile.
270-300	No samples. Geologist suggests same material.
300-390	Shale: dark grey, micromicaceous, fissile. Ironstone beds and concretions at 355 and 385.
390-420	Shale as above, interlaminated with some glauconitic very fine grained arenaceous shale.
420-490	Glauconitic arenaceous content increased.
490-610	Shale, dark grey, micromicaceous, fissile in part.
610-648	Shale, dark grey, micromicaceous, interlaminated with glauconitic arenaceous, silty shale, with pyrite.
648-675	Interlaminated shale and arenaceous silty shale with a few glauconitic siliceous fine grained sandstone.
675-740	Argillaceous siltstone. 2' Coal bed at 730
740-778	Siltstone with several beds of very fine grained silty siliceous sandstone. A few Inoceramus prisms.
778	CANOL SHALE
778-782	Siltstone; argillaceous, dark brown, bituminous, pyritic.

TRIAD OIL CO. LTD.
WEEKLY FIELD REPORT (SEC. 2)

SAMPLE DESCRIPTION

Well: Triad BP ARCO CC Hume River A-53

Date August 7, 1959

Logged by: B. Chi

These sample depths have ~~have not~~ been lagged for drilling time.

Intervals	Descriptions
782	RAMPARTS FORMATION
782-796	Limestone consisting of cream colored stromatoporoid fragments in a brownish fine grained calcarenite matrix. Sparry calcite fills most of the organic, and part of the intergranular pores. Total porosity estimated at 5%. Some dead oil.
796-829.6	Core 1. Cut 33 feet. Recovered 33 feet. Ran DST 1. Reamed.
829.6-866	Core 2 Cut 36 feet. Recovered 15 feet. Rest milled up. See detailed core description. For porosity and permeability see core analysis.
866 (Core 2)	Stachyodes limestone consisting of Stachyodes gravel in fine grained calcarenite matrix, with some dead oil. The material is very easily crumbled and may be the cause of the loss of 21 feet core.
866-866	Stachyodes limestone and stromatoporoidal limestone, with fine grained calcarenite matrix. Intraorganic porosity filled with sparry calcite, but some fair intergranular porosity. Some dead oil. Some wisps of dark argillaceous lime mud.
866-890	Limestone: medium brown very fine grained calcarenite and lime mud, containing abundant stromatoporoid fragments and Stachyodes, and a few scattered corals.
890-900	Limestone: light brown, earthy, with abundant Stachyodes and strom fragments. Part of the lime mud matrix is pelletoidal. Part is slightly argillaceous. No visible porosity.
900-910	Limestone: light brown, sparry calcite cemented, containing abundant Stachyodes and stromatoporoid fragments in fine grained pelletoidal calcarenite. No porosity.
910-930	Limestone: light brown sparry calcite cemented, partly earthy, containing abundant Stachyodes and stromatoporoid fragments in fine grained calcarenite and lime mud matrix. Very poor porosity with some dead oil.
930-970	Limestone: light brown, sparry calcite cemented, containing fair amount of Stachyodes and stromatoporoid fragments and a few bryozoans and corals, in matrix of very fine grained calcarenite and lime mud. No visible porosity. Scattered dead oil staining.
970-1000	Limestone: very light brownish white, earthy lime mud with abundant Stachyodes and small solitary corals and a few stromatoporoid fragments. Organic pores sparry calcite filled. Matrix tight.

TRIAD OIL CO. LTD.
WEEKLY FIELD REPORT (SEC. 2)

SAMPLE DESCRIPTION

Well: Triad BP ARCO CC HUMR River 3-53

Date August 7, 1969

Logged by: B. Chi

These sample depths have/have not been logged for drilling time.

Intervals	Descriptions
1000-1020	Limestone: very light brownish white, earthy lime mud with few Stachyodes and stromatoporoid fragments. No porosity.
1020-1050	Limestone: medium to dark brown lime mud with (less than 5%) pellets.
1050-1094	Limestone: medium brown lime mud with some pellets, somewhat argillaceous. Interbedded with very tight brown chalky lime mud. Trace of stylolites.
1094-	(1096 DRILLING BREAK), BASE OF RAMPARTS BUILD-UP, TOP OF RAMPARTS PLATFORM.
1094-1103	Slightly calcareous argillaceous micromicaceous siltstone, dark grey, with flakey bituminous partings.
1103-1123	Siltstone, slightly calcareous and argillaceous interbedded with silty, argillaceous limestone, containing several species of ostracods, and a few Stachyodes, stromatoporoid fragments and corals.
1123-1150	Limestone interbedded with siltstone. Limestone: light brownish grey, argillaceous lime mud with variable content of stromatoporoids, Stachyodes and corals. Siltstone: calcareous, argillaceous, micromicaceous with some quartz sand.
1150-1212	Limestone: light brown lime mud with some pellets and few scattered fossils. Few earthy patches.
1212	HARE INDIAN SHALE
1212-1440	Shale: greyish green, calcareous, slightly silty and arenaceous, with pyrite. Trace of fossil fragments.
1440-1460	Siltstone: greyish green, argillaceous, very calcareous, slightly pyritic.
1460-1500	Limestone: brownish grey, very argillaceous lime mud.
1550-1520	Siltstone: greyish green, argillaceous, very calcareous, slightly pyritic.
1520-1550	Limestone: brownish grey, very argillaceous lime mud.
1550-1760	Siltstone: light brownish grey, argillaceous, very calcareous, scattered grains of lime, slightly micromicaceous.

TRIAD OIL CO. LTD.

WEEKLY FIELD REPORT (SEC. 2)

SAMPLE DESCRIPTION

Well: Triad BP ARCO CC Hume River A-53

Date August 7, 1969

Logged by: B. Chi

These sample depths have/have not been lagged for drilling time.

Intervals	Descriptions
1760-1880	Shale: greenish grey, calcareous, micromicaceous, some disseminated pyrite.
1880	TOP OF EVIE SHALE
1880-1932	Shale: brownish grey, soft, bituminous, slightly calcareous, parting in paper thin flakes, abundant amber droplets having the appearance of megaspores.
1932	TOP OF HUME FORMATION (DRILLING BREAK 1929)
1932-1944	Limestone: brownish grey, slightly argillaceous lime mud, with trace of fossil fragments.
1944-1996	Limestone: brownish grey, very argillaceous lime mud, slightly pyritic with some fossil fragments (brachiopods, corals, and scattered crinoid ossicles).
1996-2105	Limestone: brownish grey and dark brown, more argillaceous lime mud with scattered fossil fragments. Some sparry calcite infilling.
2105	HEADLESS/FUNERAL SHALES AND LIMESTONE.. DRILLING BREAK 2090.
2105-2240	Limestone and shale interbedded. Limestone: brownish grey, argillaceous lime mud with scattered fossil fragments. Shale: greyish green, calcareous, soft, waxy in part, with some pyrite.
2240	TOP OF BEAR ROCK EQUIVALENT (PELLETOIDAL LIMESTONE FACIES)
2240-2710	Limestone: Predominantly brownish grey argillaceous pelletal, slightly calcarenitic lime mud with pellets forming up to 50% of the frame, interbedded with darker brown very argillaceous lime mud containing less pellets. Variable amounts of calcispheres. The calcarenitic zones are calcite cemented. Some argillaceous breaks are quite bituminous. Some dead oil at 2520-2550.
2710-2760	Dolomite: dark brown, very argillaceous, very fine crystalline. Dolomitized pelletal lime mud. Trace of intercrystalline porosity and trace of dead oil. Porosity 4% or less.
2760-2830	Limestone: light brown lime mud with some calcisphere and pellets. Earthy in part. Bituminous argillaceous breaks. Becoming more argillaceous downward.
2830-2870	Limestone: pelletal lime mud, partly dolomitized. Some (5% max.) inter-

TRIAD OIL CO. LTD.

WEEKLY FIELD REPORT (SEC. 2)

SAMPLE DESCRIPTION

Well: Triad BP ARCO CC Hume River A-53

Date August 7, 1969

Logged by: B. Chi

These sample depths have/have not been logged for drilling time.

Intervals	Descriptions
	crystalline porosity with some dead oil. Trace of pyrite.
2870-3075	Dolomite: medium and dark brown, slightly argillaceous, scattered relict pellets and trace of calcispheres. Crypto-to very fine crystalline. Trace of pyrite. Very poor porosity (less than or equal to 2%) in most of the section. From 2940' some pinpoint and intercrystalline porosity (up to 5%).
3075-3080	Thin anhydrite bed (according to logs).
3080-3160	Dolomite as above. Several intervals have up to 8% intercrystalline and vuggy pinpoint porosity.
3162-3184	Basal part of Bear Rock Equivalent marked by appearance of green waxy pyritic shale breaks.
3184	TOP OF RONNING GROUP
3184-3260	Cream-white dolomite: very fine to fine crystalline frame (70%) cemented by sparry dolomite. Porosity very poor and scattered. Trace of pyrite. Locally traces of leaching resulting in patches of green waxy pyritic shale.
3260-3410	Dolomite: brown, very fine crystalline frame. Most of the pore space is filled with clear medium crystalline dolomite. Trace of leaching filled with green waxy shale associated bleaching of the dolomite.
3410-3800	Dolomite: brown, crypto - to very fine crystalline. Poor intercrystalline and pinpoint vug porosity. Mostly infilled with calcite. Trace of pyrite. Traces of white chert. Becoming more abundant from 3650 downward, reaching a maximum of 3680.

III. ENGINEERING SUMMARY

(a) Report of Drill Stem Tests

- D.S.T. #1 775 - 829' K.B. Ramparts formation
Times: PF 12, ISI 60, VO 90, FSI 60
Pressures: IH 372, ISI 297, IF 53, FF 56
@ 817' : FSI 296, FH 372
Recovered 8' of drilling mud.
- D.S.T. #2 829 to 1117' K.B. Ramparts formation
Times: PF 10, ISI 60, VO 60, FSI 90
Pressures: IH 404, ISI 326, IF 40, FF 82
@ 841' : FSI 317, FH 404
Recovered 100' of watery drilling mud.
- D.S.T. #3 2742 - 2770' K.B. Bear Rock Dolomite
Times: PF 5, ISI 46, VO 44, FSI 62
Pressures: IH 1300, ISI 1278, IF 1195, FF 1270
@ 2763' : FSI 1277, FH 1300
Recovered 1500' of muddy salt water and
1242' of salt water ($R_w = 0.34 @ 74^{\circ} F$)

3 copies of each Drill Stem Test report and 3 copies of Chemical Analysis Report covering samples from Drill Stem Tests 2 and 3 submitted August 21st, 1969.

(b) Casing Record

- (i) Conductor - 15-3/8", 48#, H-40, Range 2, Seamless, ST&C, landed at 90' K.B. Cemented with 75 sacks construction cement plus 3% $CaCl_2$.
No returns, annulus top up job from 38' to surface with 405 sacks cement.
- (ii) Surface - 8-5/8", 24#, J-55, Range 2, Seamless, ST&C, landed at 536' K.B. Cemented with 300 sacks construction cement plus 3% $CaCl_2$.
- (iii) Production - None

III. ENGINEERING SUMMARY (continued)(c) Bit Record

Bit #	Size	Type	From	To	Feet	Hours	Wt.	RPM
1A	7-7/8	OSCIG	0	102	102	7-1/4	10-15	100
2A	12-1/4	PR	0	90	90	1-1/2	10-15	100
3A	17-1/2	PR	0	90	90	1-1/2	10-15	100
4A	12-1/4	OSC3	90	538	448	13-1/2	20	70-90
1	7-7/8	OSCIG	538	796	258	8	15-20	85
CH 1	6-3/16	CORE	796	829	33	14-1/2	10	72
2	7-7/8	ODVJ	796	829	33	4-3/4	10	50
CH 1	6-3/16	CORE	829	866	37	13-1/2	10	60
2	7-7/8	ODVJ	829	1038	209	17-1/2	20	85
3	7-7/8	X55R	1038	1953	915	60-3/4	25	40-50
4	7-7/8	X55R	1953	2846	893	77	25	45
5	7-7/8	ODV	2846	3087	241	25-3/4	25	50
6	7-7/8	X55R	3087	3800	713	62-1/4	25	45

(d) Mud Report

A Gel/XC Polymer mud was used from surface casing to T.D. Quantities for the well are as follows:

Chemical	Quantity
Hydrogel	33,700 lbs.
Caustic Soda	1,450 lbs.
Kelzan A.L. (XC Polymer)	2,300 lbs.
Plaster of Paris	1,350 lbs.
Dowicide 'B'	190 lbs.
Lime	230 lbs.
Bicarb. of Soda	200 lbs.
Soda Ash	50 lbs
Sawdust	55 sacks
Cellophane	10 sacks

III. ENGINEERING SUMMARY (continued)

Page 12.

(d) Mud Report (continued)

Properties were as follows:

Date. 8:00 a.m.	Depth	Weight	Viscosity	Waterloss	PH
July 7, 1969	538	9.4	55		
July 9	806	9.1	55	10.0	11.0
July 10	829	9.3	48	7.6	11.0
July 11	890	9.4	50	6.0	10.5
July 12	1078	9.5	48	6.0	10.5
July 13	1181	9.4	50	6.6	10.5
July 14	1506	9.5	48	7.0	10.5
July 15	1944	9.6	40	8.0	10.0
July 16	2187	8.9	35	13.0	9.5
July 17	2430	9.0	36	11.0	9.5
July 18	2660	9.1	37	12.8	9.0
July 19	2883	9.1	45	11.0	9.5
July 20	3035	9.0	44	11.4	9.5
July 21	3245	9.0	42	12.4	9.5
July 22	3515	9.5	40	13.6	9.5
July 23	3774	9.1	40	10.6	10.5
July 24	3800	9.1	49	10.2	10.5

(e) Deviation Record

Depth ' K.B.	Degrees	Depth ' K.B.	Degrees
60	1/2	1281	2-7/8
90	1/2	1345	2-7/8
125	1	1405	2-7/8
155	1/2	1470	2-7/8
185	1/2	1596	2-1/2
246	1/4	1785	4
307	1/8	1880	4-1/2
370	1/8	1953	4-1/4
435	1/2	2140	5
538	1	2265	5
574	1/2	2355	5-1/4
677	1	2450	5-1/2
775	3/4	2540	6
875	1-1/2	2635	6-1/2
902	1-3/4	2906	8
934	1-1/2	3010	8-1/4
965	1-3/4	3080	8-1/2
1000	2	3170	9
1038	2-1/4	3290	9
1060	2-1/4	3390	10
1091	2-1/8	3480	10
1125	2	3605	11
1155	2-7/8	3700	11-1/2
1168	2-1/2	3800	11-1/2
1217	2-1/2		

III. ENGINEERING SUMMARY (continued)(f) Abandonment Plugs

Plug No. 1 3500 - 3800' K.B. with 73 sacks cement.
 Plug No. 2 2600 - 2800' K.B. with 53 sacks cement + 8% gel + 2% CaCl₂
 Plug No. 3 485 - 585' K.B. with 114 sacks cement + 2 sacks gel flake, Felt @ 2625'
 Plug No. 4 Surface, Cut off @ 330'.
 casing 3' below ground level and welded on cap.
 Cemented with 5 sacks cement.

(g) Lost Circulation Zones

	Depth ft.K.B.	Formation	Amount Lost	Corrective Measure
1.	90	(cementing conductor)	No returns. 75 sacks cement	Annulus top up job with 400 sacks cement.
2.	2760	Bear Rock Equiv.	75 bbls. mud	Added LCM to mud
3.	2906 - 2960	Bear Rock Dolomite	Well made fluid not measured.	Increased mud wt. and added LCM
4.	3087 - 3172	Bear Rock Dolomite	Well made 35 bbls fluid.	Increased mud wt. and added LCM
5.	3415 - 3515	Ronning	40 bbls. mud	None

(h) Report of Blowouts

None encountered.

IV. LOGS

<u>Type</u>	<u>Date Run</u>	<u>Interval</u>
Induction Electrical	July 24, 1969	536 - 3799
BHC Sonic - Caliper	July 24, 1969	536 - 3800
Formation Density-Gamma Ray-Caliper	July 24, 1969	536 - 3799
Microlog - Caliper	July 24, 1969	536 - 3798

3 final prints of each submitted on August 21st, 1969.

V. ANALYSIS(a) Core Analysis - Lab. Report No. CNP-4-4801

Core #2 829.6 - 866' K.B. Recovery 15'. See pages 15, 16 and 17.

3 copies of Core Analysis Report submitted on August 25th, 1969.

(b) Water Analysis - Lab. Report No. CAL-2-595

D.S.T. #2 Watery drilling mud recovered.

D.S.T. #3 Salt water recovered. $R_w = 0.34 @ 74^{\circ} \text{F.}$

3 copies of Chemical Analysis Report covering samples from D.S.T.s 2 and 3 submitted on August 21st, 1969.

See pages 18, 19 and 20.

(c) Gas Analysis

None

(d) Oil Analysis

None

COMPANY	TRIAD OIL CO. LTD.
WELL	TRIAD BP ARCO CC HUME R. A-53
FIELD	HUME RIVER AREA
LOCATION	NORTHWEST TERRITORIES

FORMATION
DRILLING FLUID
ELEVATION
ANALYSIS
REMARKS

BEAVERHILL LAKE
WATER BASE MUD

PAGE
FILE

DATE REPORT
ANALYSTS

FULL DIAMETER
ALL SAMPLES SA

ANALYSTS
PRIOR TO KH:

ALL SAMPLES SANDBLASTED PRIOR TO KH ANALYSIS

CNP-4-4801
JUL Y 30/69

[illegible][illegible]

CORED INTERVAL 829.6 - 866

CORE NO. 2 829.6 - 866 REC. 15.0' 4 BOXES

[illegible]

CORE LABORATORIES - CANADA, LTD.
Petroleum Reservoir Engineering

WELL:

TRIAD BP ARCO CC HUME R. A-53

PAGE: 2

FORMATION:

BEAVERHILL LAKE

FILE: CNP-4-4801

SUMMARY INTERVAL:

829.6 - 866.0

TOTAL FOOTAGE:

36.4

FOOTAGE ANALYZED

15.0

FOOTAGE NOT ANALYZED:

TOTAL: 21.4 DENSE .0 LOST 21.4 DRILLED .0 *NABR .0 RUBBLE .0

SUMMARY
OF
ANALYZED CORE:

TOTAL

BY
PERM
RANGES:

LESS THAN 0.10 Md.

0.10 0.49 Md.

0.50 0.99 Md.

1.00 9.99 Md.

GREATER THAN 9.99 Md.

FOOTAGE	% OF ANALYZED CORE	WEIGHTED AVERAGE POROS %	POROSITY FEET	WEIGHTED AVERAGE PERM. MD.	PERM. FEET	WEIGHTED AVERAGE RESID OIL %	WEIGHTED AVERAGE TOT. WATER %
15.0	100.00	9.56	143.41	6.96	104.46	.00	.00
.3	2.00	6.90	2.07	.00	.00	.00	.00
5.1	34.00	7.87	40.14	.31	1.60	.00	.00
3.4	22.67	10.67	36.29	.68	2.30	.00	.00
5.2	34.66	10.81	56.21	1.63	8.46	.00	.00
1.0	6.67	8.70	8.70	92.10	92.10	.00	.00

*NOT ANALYZED BY REQUEST



CORE LABORATORIES - CANADA LTD.

Petroleum Reservoir Engineering

COMPANY Triad Oil Co. Ltd. FIELD Hume River Area FILE CNP-4-4801WELL Triad BP ARCO CC Hume R. A-53 DATE _____LOCATION Northwest Territories PROV Northwest Territories ELEV. _____

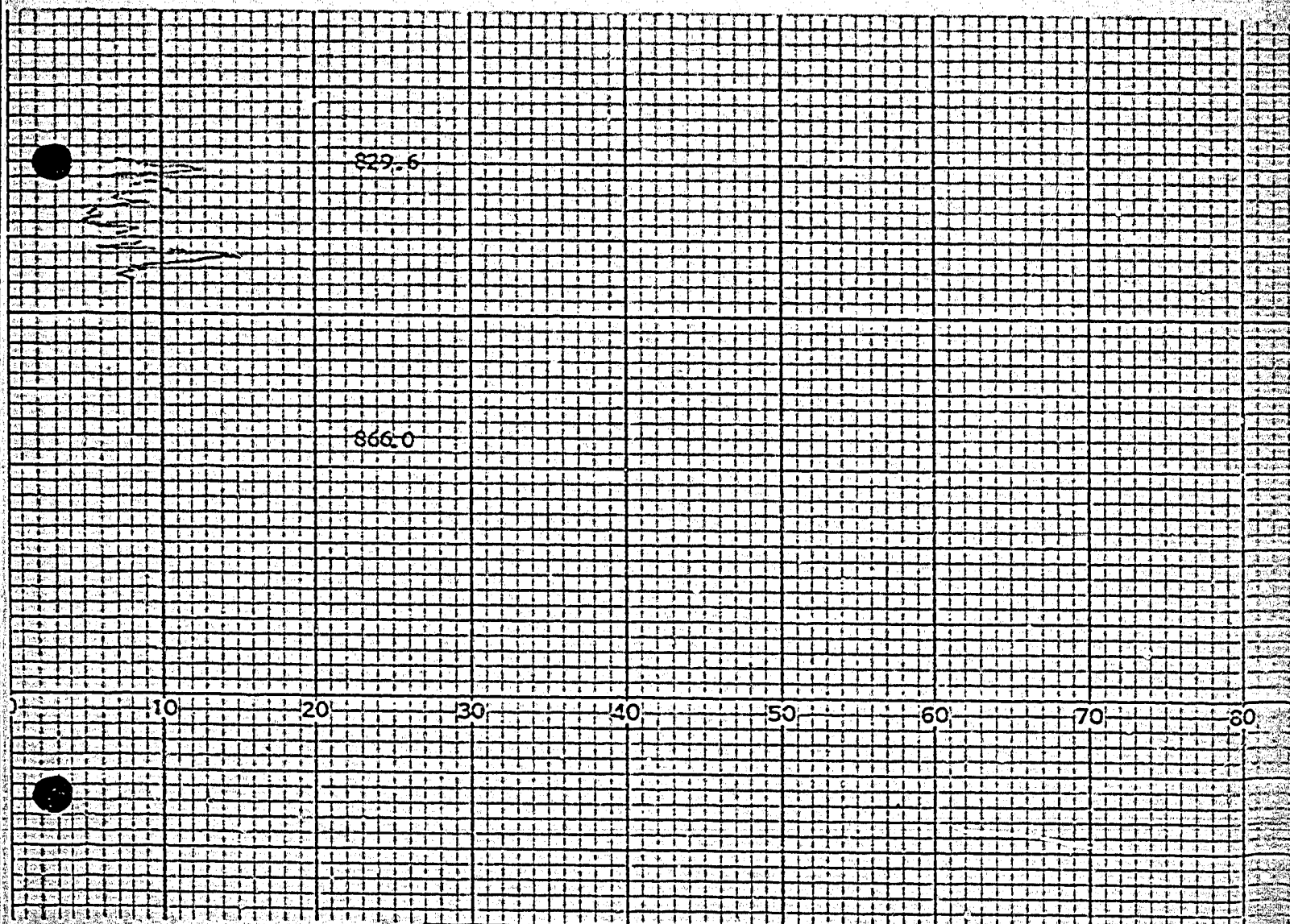
CORE-GAMMA CORRELATION

These analyses, reports or interpretations are based on observations and materials supplied by the client to whom, and for whose purposes and conditions, no other report is made. The interpretation or opinion expressed represents the best judgment of Core Laboratories - Canada Ltd. and its subsidiaries and affiliates, but Core Laboratories - Canada Ltd. and its officers and employees, agents and representatives and make no express or implied warranty, as to the propriety, value, quantity, or production of any oil, gas or other mineral and/or fluid in connection with any report or other work.

T.C. 11 Sec.

VERTICAL SCALE: 5" = 100'

Sens. 5000 CPM





CORE LABORATORIES — CANADA LTD.
PETROLEUM RESERVOIR ENGINEERING
WATER ANALYSIS

Page 18



File CAL-2-595 (Page 1 of 3)

Company Triad Oil Co., Ltd.

Well Triad CP AFCC CC Hume P A-53

K.B. _____

Grd. 191'

66 02' 12.00

Hume River

Location 129 09' 46.00

Field _____

Area _____

Province _____

Arctic

Formation _____

Interval _____

Sampled from No. 2 (P.F. Sampler)

by _____

Date sampled July 12, 1969

Date analyzed Aug. 8, 1969

Analyst M.E.

Recovery _____

Mud type _____

Water cushion _____

Total Solids:

Resistivity 1.20 Ohm-meters @ 70 °F

Calculated 6,486 mg/liter

Specific gravity 1.0054 @ 60°F

By evaporation @ 110°C - mg/liter

pH 9.20 H₂S Absent

By evaporation @ 180°C - mg/liter

Refractive Index 1.334 @ 70°F

At ignition - mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO ₃	SO ₄	CO ₃	OH
2,164	21	3	Pres.	Abs.	-	-	902	1,037	2,035	324	-

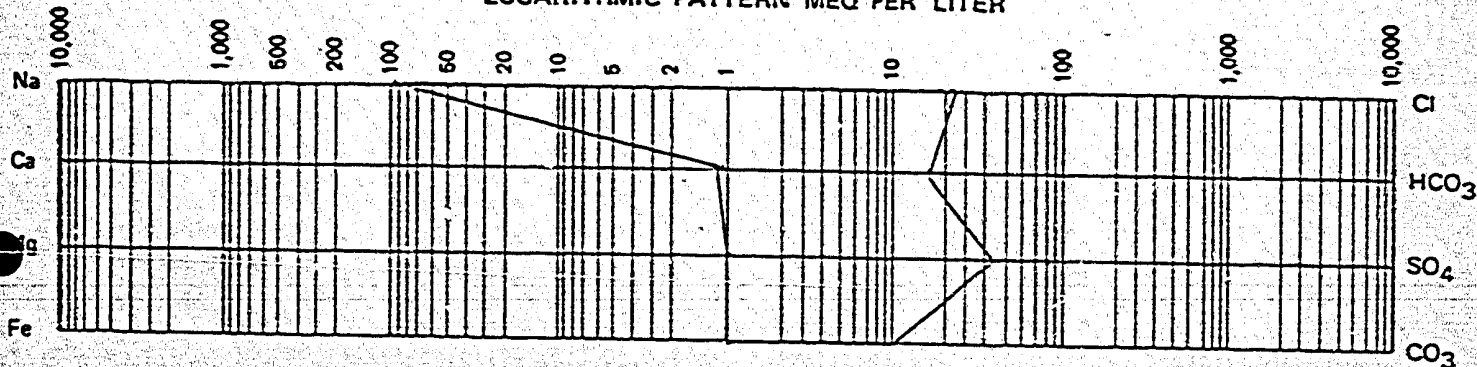
PER CENT CALCULATED SOLIDS

33.3	0.3	0.1	Pres.	Abs.	-	-	13.9	16.0	31.4	5.0	-
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MEQ PER LITER

94.1	1.1	0.3	Pres.	Abs.	-	-	25.4	17.0	42.3	10.8	-
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LOGARITHMIC PATTERN MEQ PER LITER





CORE LABORATORIES - CANADA LTD.
PETROLEUM RESERVOIR ENGINEERING
WATER ANALYSIS

File CAL-2-595 (Page 2 of 3)

Company Triad Oil Co., Ltd.

Well Triad EP ARCO CC Hume R A-53 K.B. 200' Grd.

66 02' 12.00 Hume River

Location 122 03' 46.00 Field Area Province British

Formation Peat Rock Interval 2742' - 2770'

Sampled from DST No. 3 (Out of P.F.S. Tool) by

Date sampled July 25, 1960 Date analyzed Aug. 3, 1960 Analyst M.P.

Recovery 1500' Muddy Salt Water; 1242' Salt Water

Mud type Water cushion

Total Solids:

Resistivity 0.340 Ohm-meters @ 74 °FCalculated 19,066 mg/literSpecific gravity 1.0126 @ 60°FBy evaporation @ 110°C - mg/literpH 8.05 H₂S PresentBy evaporation @ 180°C - mg/literRefractive Index 1.338 @ 74°FAt ignition - mg/liter

MILLIGRAMS PER LITER

Na+K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO ₃	SO ₄	CO ₃	OH
6,723	653	226	Trace	Abs.	-	-	9,476	503	1,485	-	-

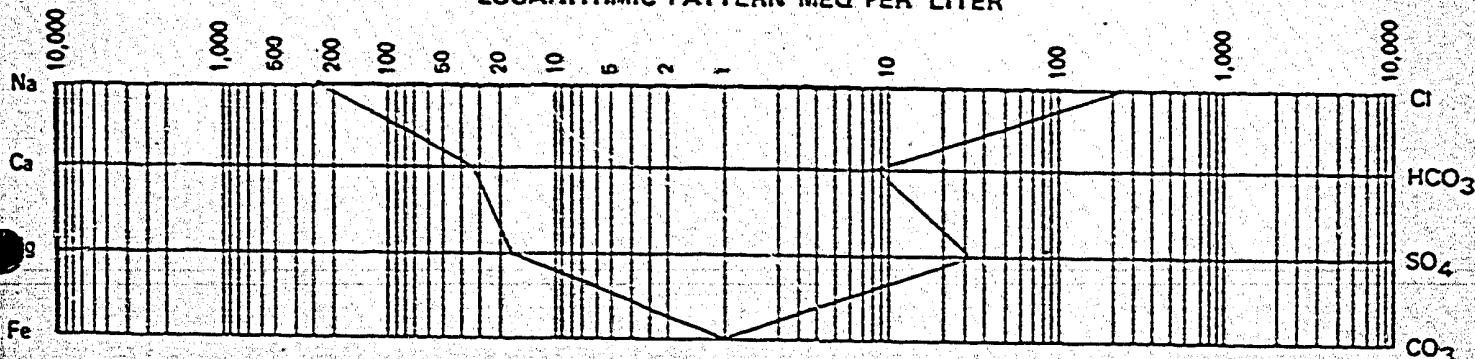
PER CENT CALCULATED SOLIDS

35.3	3.4	1.2	Trace	Abs.	-	-	49.7	2.6	7.8	-	-
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MEQ PER LITER

292.3	32.6	12.6	Trace	Abs.	-	-	267.2	8.2	30.9	-	-
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LOGARITHMIC PATTERN MEQ PER LITER



CORE LABORATORIES-CANADA LTD.
CALGARY ALBERTA

ANALYSIS Water

Company T. Ied Oil Co. Ltd. Page 3 of 3
Well Tried EP AFCC CC Hume R A-53 File CAL-2-595
Field Hume River Area, Alberta Date August 15, 1969
Location 66 02' 12.00
129 02' 46.00 Analysts J.F.

SAMPLING CONDITIONS

Formation _____ Depths _____
Sampled from _____ By _____ Of _____
Date Sampled July 25, 1969 Date Received July 29 Date Analyzed Aug. 8, 1969
Pressure _____ psig. Temperature _____ °F Atmospheric Temp. _____ °F
DST Recovery
or Flowrate _____

Sampled from # 3 (AF Surface)

Chloride - 3,353 mg/liter
Resistivity - 0.800 Ohm-meters @ 70°F

Sampled from # 3 (after pulling 1,500' of pipe)

Chloride - 7,011 mg/liter
Resistivity - 0.480 Ohm-meters @ 70°F

Sampled from # 3 (Top of DST Tool)

Chloride - 9,372 mg/liter
Resistivity - 0.390 Ohm-meters @ 70°F

VI. COMPLETION SUMMARY(a) Tubing Record

None.

(b) Perforation Record

None

(c) Cementation Record

Date	Abandonment Plug No.	Position Ft. K.B.	Geological Formation	No. Sacks Cement	Depth Plug Felt Ft. KB
July 25, 1969	1	3500-3800	Ronning Group	73	Not Felt
July 25, 1969	2	2600-2800	Bear Rock	53	2625
July 26, 1969	3	485- 585	Upper Devonian	114	330
July 26, 1969	4	Surface		5	

Cemented mousehole and rathole. Cut off casing 3'
below ground level and welded on cap.

(d) Acidization and Fracturing Record

None

(e) Back Pressure and Production Tests

None

CHEMICAL ANALYSIS

for

TRIAD OIL CO. LTD.

Triad BP ARCO CC Hume R A-53
Hume River Area
Arctic



CORE LABORATORIES - CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS

File CAL-2-595 (Page 1 of 3)

Company Triad Oil Co. Ltd.
Well Triad TP APCO CC Hume F A-53 K.B. _____ Grd. 191'
66 02' 12.00
Location 129 09' 46.00 Field Hume River Area _____ Province Arctic
Formation _____ Interval _____
Sampled from No. 2 (P.F. Sampler) by _____
Date sampled July 12, 1969 Date analyzed Aug. 8, 1969 Analyst M.D.
Recovery _____

Mud type _____ Water cushion _____

Resistivity 1.20 Ohm-meters @ 70 °FSpecific gravity 1.0054 @ 60°FpH 9.20 H₂S AbsentRefractive Index 1.334 @ 70°F

Total Solids:

Calculated 6,496 mg/literBy evaporation @ 110°C - mg/literBy evaporation @ 180°C - mg/literAt ignition - mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO ₃	SO ₄	CO ₃	OH
2,164	21	3	Pres.	Abs.	-	-	902	1,037	2,035	324	-

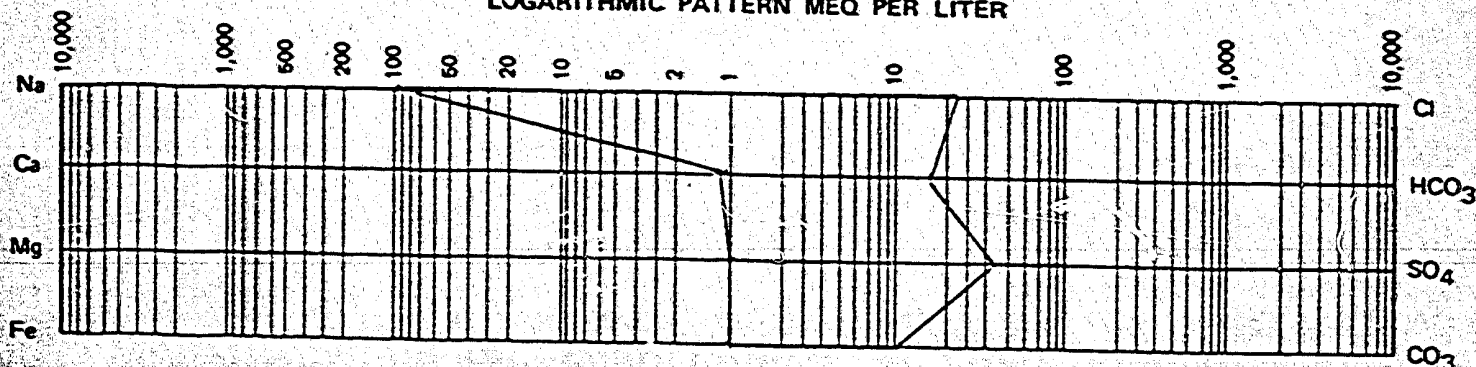
PER CENT CALCULATED SOLIDS

33.3	0.3	0.1	Pres.	Abs.	-	-	13.9	16.0	31.4	5.0	-
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MEQ PER LITER

94.1	1.1	0.3	Pres.	Abs.	-	-	25.4	17.0	42.3	10.8	-
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LOGARITHMIC PATTERN MEQ PER LITER





CORE LABORATORIES - CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS

File CAL-2-595 (Page 2 of 3)

Company Triad Oil Co., Ltd.
Well Triad SP APCO CO Hume P A-53 K.B. 200' Grd.
66 02' 12.00 Hume River
Location 129 09' 46.00 Field Area Province Alberta
Formation Fear Rock Interval 2742' - 2770'
Sampled from DST No. 3 (Out of P.E.S. Tool) by
Date sampled July 25, 1960 Date analyzed Aug. 9, 1960 Analyst M.E.
Recovery 1500'uddy Salt Water; 1242' Salt Water

Mud type Water cushion
Resistivity 0.340 Ohm-meters @ 74 °F
Specific gravity 1.0126 @ 60°F
pH 8.05 H₂S Present
Refractive Index 1.338 @ 74°F
Total Solids:
Calculated 19,066 mg/liter
By evaporation @ 110°C - mg/liter
By evaporation @ 180°C - mg/liter
At ignition - mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO ₃	SO ₄	CO ₃	OH
6,723	653	226	Trace	Abs.	-	-	9,476	503	1,485	-	-

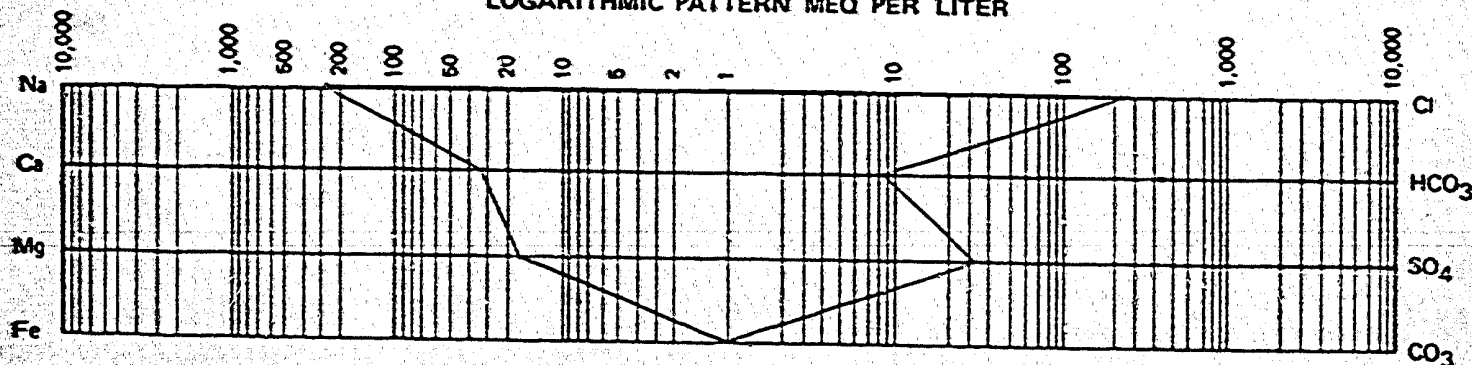
PER CENT CALCULATED SOLIDS

35.3	3.4	1.2	Trace	Abs.	-	-	49.7	2.6	7.8	-	-
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MEQ PER LITER

292.3	32.6	18.6	Trace	Abs.	-	-	267.2	8.2	30.9	-	-
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LOGARITHMIC PATTERN MEQ PER LITER



CORE LABORATORIES-CANADA LTD.
CALGARY ALBERTA

ANALYSIS Water
Company Triad Oil Co. Ltd. Page 3 of 3
Well Triad EP AFCD CC Hume P A-53 File CAL-2-595
Field Hume River Area, Alberta Date August 15, 1969
Location 66 02' 12.00
125 00' 45.00 Analysts M.F.

SAMPLING CONDITIONS

Formation _____ Depths _____
Sampled from _____ By _____ Of _____
Date Sampled July 25, 1969 Date Received July 29 Date Analyzed Aug. 3, 1969
Pressure _____ psig. Temperature _____ °F Atmospheric Temp. _____ °F
DST Recovery
or Flowrate _____

Sampled from # 3 (AF Surface)

Chloride - 3,853 mg/liter
Resistivity - 0.800 Ohm-meters @ 70°F

Sampled from # 3 (after pulling 1,500' of pipe)

Chloride - 7,011 mg/liter
Resistivity - 0.480 Ohm-meters @ 70°F

Sampled from # 3 (Top of DST Tool)

Chloride - 9,372 mg/liter
Resistivity - 0.390 Ohm-meters @ 70°F

CORE ANALYSIS REPORT
FOR
TRIAD OIL CO. LTD.
TRIAD BP ARCO CC HUME R. A-53
HUME RIVER AREA
NORTHWEST TERRITORIES

CORE LABORATORIES - CANADA LTD.

Petroleum Reservoir Engineering
CALGARY - EDMONTON - REGINA

CORE LABORATORIES - CANADA LTD.



Petroleum Reservoir Engineering

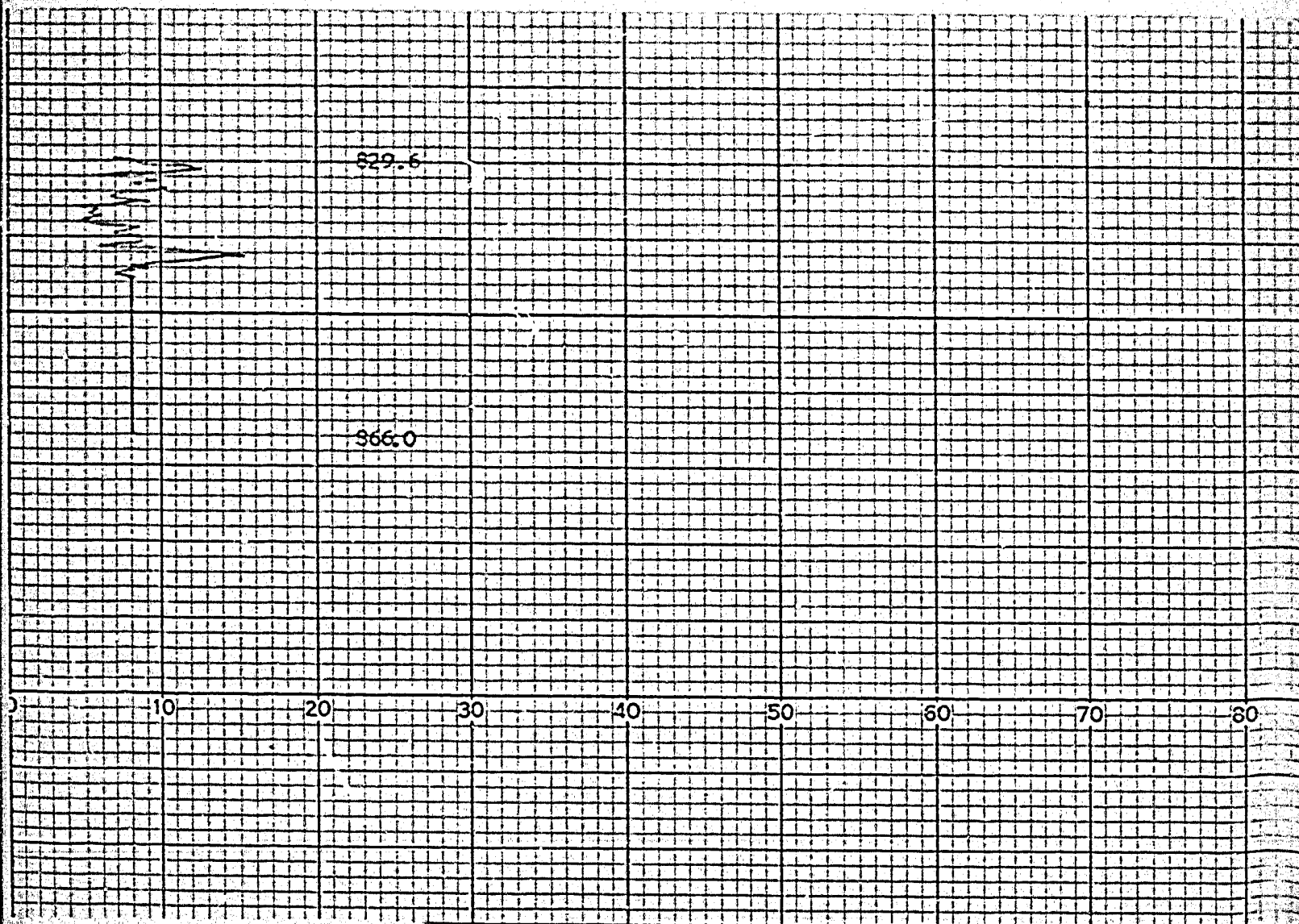
COMPANY Triad Oil Co. Ltd. FIELD Hume River Area FILE CNP-4-4801WELL Triad BP ARCO CC Hume R. A-53 DATE _____LOCATION Northwest Territories PROV Northwest Territories ELEV. _____**CORE-GAMMA CORRELATION**

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T.C. 11 Sec.

VERTICAL SCALE: 5" = 100'

Sens. 5000 CPM



CORE LABORATORIES — CANADA, LTD.
CALGARY, ALBERTA

COMPANY TRIAD OIL CO. LTD.
WELL TRIAD BP ARCO CC HUME R. A-53
FIELD HUME RIVER AREA
LOCATION NORTHWEST TERRITORIES

FORMATION
DRILLING FLUID
ELEVATION
ANALYSIS
REMARKS

BEAVERHILL LAKE
WATER BASE MUD

FULL DIAMETER
ALL SAMPLES SANDBLASTED PRIOR TO KH ANALYSIS

PAGE 1
FILE CNP-4-4801
DATE REPORT JULY 30/69
ANALYSTS MD, MR

ADP - APPROXIMATE DEPTH
 - APPROXIMATE DEPTH
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SAMPLE NUMBER	INTERVAL REPRESENTED FEET		PERMEABILITY TO AIR MILLIDARCYs			PERMEABILITY FEET	POROSITY %	POROSITY FEET	DENSITY		VISUAL EXAMINATION
	DEPTH	THICK	KMAX	KDOP	KV				BULK	GRAIN	

CORED INTERVAL 829.6 - 866

CORE NO. 2 829.6 - 866 REC. 15.0' 4 BOXES

1	829.6-30.7	1.1	*	.51	170.00	.56	10.2	11.22	2.42	2.70	I FEW PPV F
2	830.7-31.7	1.0	92.10	.83	59.20	92.10	8.7	8.70	2.44	2.67	I F
3	831.7-32.8	1.1	.28	.22	.24	.31	6.6	7.26	2.47	2.64	I
4	832.8-34.0	1.2	.34	.28	-0.1	.41	9.2	11.04	2.45	2.69	I F
5	834.0-35.1	1.1	1.21	1.02	-0.1	1.33	9.3	10.23	2.43	2.68	I F
6SS	835.1-36.3	1.2	.65	-	-	.77	10.9	13.08	-	-	I F
7	836.3-37.4	1.1	.34	.34	-0.1	.37	9.0	9.90	2.47	2.71	I FEW PPV
8	837.4-38.5	1.1	.38	.33	-0.1	.42	9.0	9.90	2.45	2.69	I F
9	838.5-39.8	1.3	1.22	.89	.93	1.59	10.6	13.78	2.41	2.69	I F
10	839.8-40.9	1.1	.87	.45	-0.1	.96	10.9	11.99	2.39	2.68	I FEW PPV
11	840.9-41.9	1.0	1.00	1.00	.10	1.00	11.4	11.40	2.40	2.70	I FEW PPV
12	841.9-42.9	1.0	2.96	1.83	1.18	2.96	11.6	11.60	2.37	2.68	I
13SS	842.9-43.2	.3	-0.1	-	-	-	6.9	2.07	-	-	I
14	843.2-44.0	.8	1.98	1.17	.51	1.58	11.5	9.20	2.37	2.68	I
15	844.0-44.6	.6	.15	.15	.08	.09	3.4	2.04	2.61	2.70	I F A
	844.6-66.0	21.4	-	-	-	-	-	-	-	-	LOST CORE

CORE LABORATORIES - CANADA, LTD.

Petroleum Reservoir Engineering

WELL: TRIAD BP ARCO CC HUME R. A-53

PAGE: 2

FORMATION: BEAVERHILL LAKE

FILE: CNP-4-4801

SUMMARY INTERVAL: 829.6 - 866.0

TOTAL FOOTAGE: 36.4

FOOTAGE ANALYZED 15.0

FOOTAGE NOT ANALYZED: TOTAL: 21.4 DENSE .0 LOST 21.4 DRILLED .0 *NABR .0 RUBBLE .0

SUMMARY
OF
ANALYZED CORE:

TOTAL

BY
PERM
RANGES:

LESS THAN 0.10 Md.

0.10 0.49 Md.

0.50 0.99 Md.

1.00 9.99 Md.

GREATER THAN 9.99 Md.

FOOTAGE	% OF ANALYZED CORE	WEIGHTED AVERAGE POROS. %	POROSITY FEET	WEIGHTED AVERAGE PERM. MD.	PERM. FEET	WEIGHTED AVERAGE RESID. OIL %	WEIGHTED AVERAGE TOT. WATER %
15.0	100.00	9.56	143.41	6.96	104.46	.00	.00
.3	2.00	6.90	2.07	.00	.00	.00	.00
5.1	34.00	7.87	40.14	.31	1.60	.00	.00
3.4	22.67	10.67	36.29	.68	2.30	.00	.00
5.2	34.66	10.81	56.21	1.63	8.46	.00	.00
1.0	6.67	8.70	8.70	92.10	92.10	.00	.00

*NOT ANALYZED BY REQUEST

ROO CC HUME R

Test No

-129-00

Zone Tested

CO. LTD

Interval

Tester JOE HUGI

Date

JUL

BJ SERVICE DIVI
BORG-WARNER (CANADA)



DRILL-STEM TEST DATA

Well Name	TRIAD BP ARCO CC HUME R	Test No	1	
Well Number	A-53-66-10-129-00	Zone Tested		
Company	TRIAD OIL CO. LTD	Interval	775-829	
Comp Rep MR. C. HUBER	Tester	JOE HUGI	Date	JULY 9/69

Type of Test 12 Dual Bottom Hole RFS Tool No. 19 drained at location
Pretlow 12 mins ISI 60 mins Flow 90 mins FSI 60 mins

Specify Inside or Outside	Ins	REC No	5040	Outs	REC No	5041	REC No			
	3600	RANGE	12	HR	CLOCK	3600	RANGE	12	HR	CLOCK
DEPTH			758			817				
Initial Hydro Mud Press			344			372				
Initial Shut-In Press			272			297				
Initial Flow Press			22			53				
Final Flow Press			29			56				
Final Shut-In Press			275			296				
Final Hydro Mud Press			344			372				

Mud Drop 2' Fluid Loss 8.8 Mud Weight 9.4
Viscosity 100 Temperature °F 82 Net Pay Tested ?
Top Packer Depth 775 Bottom Packer Depth 829 Total Depth 829
Drill Pipe Size 4" Wt. 14 Drill Collar I.D. 2 7/8" Ft Run 448
Surface Choke Size Closed Bottom Choke Size 1/2" Main Hole Size 7 7/8"
Anchor Size 4 3/4" OD Rot Hole Size 6 3/16" Feet of Rot Hole 33
Cushion Amount Type Rubber Size 6 5/8"

Fluid Recovery Total Feet 8
Recovered 8 Feet of Drilling mud
Recovered Feet of
Recovered Feet of
Recovered Feet of
Recovered Feet of

Gas Recovery How Measured Riser size

mins. <u> </u>	Temp. °F <u> </u>	Press Rdg. <u> </u> psi	Orifice Size <u> </u>	=	<u> </u> MCF/Day
mins. <u> </u>	Temp. °F <u> </u>	Press Rdg. <u> </u> psi	Orifice Size <u> </u>	=	<u> </u> MCF/Day
mins. <u> </u>	Temp. °F <u> </u>	Press Rdg. <u> </u> psi	Orifice Size <u> </u>	=	<u> </u> MCF/Day
mins. <u> </u>	Temp. °F <u> </u>	Press Rdg. <u> </u> psi	Orifice Size <u> </u>	=	<u> </u> MCF/Day
mins. <u> </u>	Temp. °F <u> </u>	Press Rdg. <u> </u> psi	Orifice Size <u> </u>	=	<u> </u> MCF/Day
mins. <u> </u>	Temp. °F <u> </u>	Press Rdg. <u> </u> psi	Orifice Size <u> </u>	=	<u> </u> MCF/Day

Bleed Off Time for Drill Pipe

REMARKS: Mud drop of 2 feet, due to tool skidding
Tool skidded for 2 feet during preflow
Very weak air blow on preflow, dead after 2 minutes
Very weak air blow on initial flow, dead after 1 minute

Well Name	TRIAD BP ARCO CC HUME R	Test No	1
Well Number	A-53-66-10-129-00	Zone Tested	
Company	TRIAD OIL CO. LTD	Interval	775-829
Comp. Rep MR. C. HUBER	Tester	JOE HUGI	Date JULY 9/69

BJ SERVICE DIVISION
BORG-WARNER (CANADA)



DST PRESSURE INCREMENTS

Recorder No. 5040

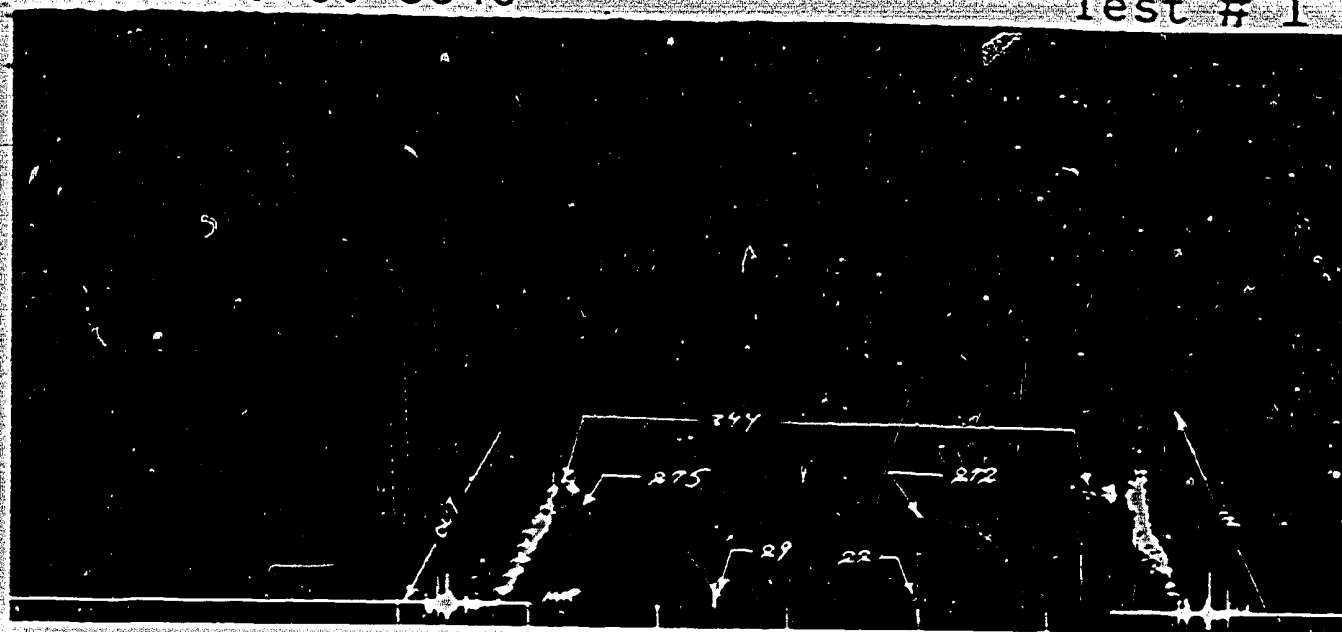
Depth 758

Pobars	INITIAL CIP				FINAL CIP			
	Time Diff.	T + 0	$\frac{T+0}{\bullet}$	PSIG	Time Diff.	T + 0	$\frac{T+0}{\bullet}$	PSIG
1	0			21	0			27
2	5			39	5			90
3	10			70	10			137
4	15			108	15			176
5	20			143	20			201
6	25			177	25			222
7	30			204	30			237
8	35			224	35			247
9	40			240	40			256
10	45			250	45			262
11	50			258	50			266
12	55			265	55			270
13	60			270	60			273
14	64			272	63			275
15								
16								
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TRAID BP ARCO CC HUME R A-53-66-10-129-00

Ins.Rec.No. 5040

Test # 1



TRAID BP ARCO CC HUME R A-53-66-10-129-00

Outs.Rec.No. 5041

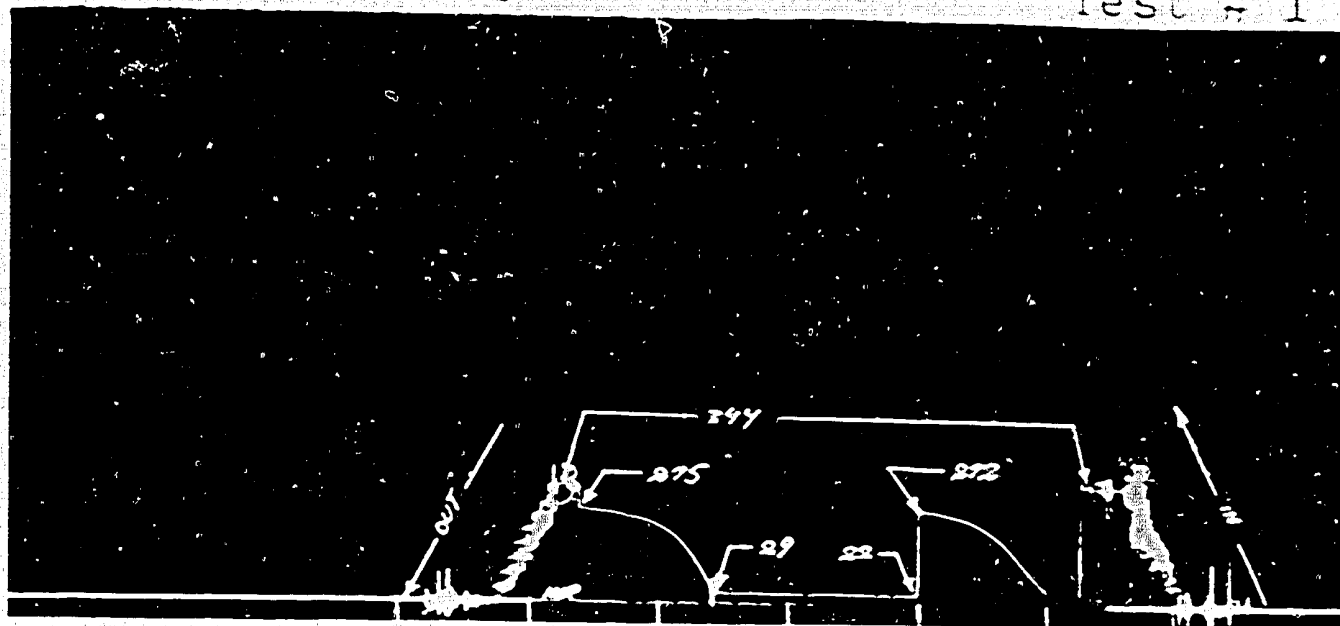
Test # 1



TRAID BP ARCC CC HUME R A-53-66-10-129-00

Ins.Rec.No. 5040

Test # 1



TRAID BP ARCC CC HUME R A-53-66-10-129-00

Outs.Rec.No. 5041

Test # 1

Well Name	TRIAD BP ARCO CC HUME R	Test No.	2
Well Number	A-53-66-10-129-00	Zone Tested	
Company	TRIAD OIL CO. LTD.	Interval	829-1117
Comp Rep	MR. C. HUBER	Tester	JOE HUGI
		Date	July 12/69

BJ SERVICE DIV
BORG-WARNER (CANADA)



DRILL-STEM TEST DATA

Well Name	TRIAD HP ARCO CC HUME R	Test No.	2
Well Number	A-53-6-10-129-00	Zone Tested	
Company	TRIAD OIL CO. LTD.	Interval	827-1117
Comp Rep	MR. C. HUBER	Tester	JOE HUNT
		Date	July 12/64

Type of Test Initial Bottom Hole RFS Tool No. 19 Drained at locationPretlow 10 mins ISI 50 mins Flow 60 mins PSI 90 mins

Specify Inside or Outside	In REC No	Out REC No	BE No
	3600 RANGE 12 HR CLOCK	3600 RANGE 12 HR CLOCK	RANGE HR CLOCK
DEPTH	812	841	
Initial Hydro Mud Press	390	404	
Initial Shut-In Press	315	326	
Initial Flow Press	36	40	
Final Flow Press	71	82	
Final Shut-In Press	305	317	
Final Hydro Mud Press	390	404	

Mud Drop Nil Fluid Loss 0.0 Mud Weight 9.1
Viscosity 47 Temperature °F 83 Net Pay Tested ?
Top Packer Depth 829 Bottom Packer Depth 829 Total Depth 1117
Drill Pipe Size 4" Wt 14 Drill Collar ID 2 7/8" Fr. Run 448
Surface Choke size Closed Bottom Choke Size 1" Main Hole Size 7 7/8"
Anchor Size 3 3/4" OD Rat Hole Size 1" Feet of Rat Hole ?
Cushion Amount ? Type ? Rubber Size 6 5/8"

Fluid Recovery Total Feet 100
Recovered 100 Feet of Watery drilling mud
Recovered ? Feet of ?
Recovered ? Feet of ?
Recovered ? Feet of ?
Recovered ? Feet of ?

Gas Recovery How Measured ? Riser size ?

mins.	Temp. °F	Press Rdg.	ps.	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	ps.	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	ps.	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	ps.	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	ps.	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	ps.	Orifice Size	=	MCF/Day

Bleed Off Time for Drill Pipe ?

REMARKS:
Very weak airblow during preflow
Very weak airblow throughout flow period



Sutliff jars

6.00

TESTING REPORT



45 LANDING SUB _____

45 CHAMBER _____

45 TOOL OR P.O. SUB _____

CO SUB _____ 1.00

SHUT IN TOOL _____ 5.50

R.F.S. No. 19 drained _____ 3.35

R.F.S. No. _____

HYDRAULIC TOOL _____ 7.20

JARS _____

RECORDER No. 5041 Ins _____ 5.00 DEPTH 812

RECORDER No. _____ DEPTH _____

SAFETY JOINT _____ 1.75

BY PASS SUB _____

1. PACKER DEPTH 823

PACKER _____ 6.00

2. PACKER DEPTH 829

PACKER _____ 5.00 TOTAL TOOL ABOVE INTERVAL 40.80
1.00

ANCHOR—SPECIFY _____

Perfs _____ 10.00

BLANK OFF OR BY PASS SUB

RECORDER No. 5040 Outs _____ 5.00 DEPTH 841

Drill Pipe _____ 63.07

Perfs _____ 5.00

3. PACKER DEPTH _____

PACKER _____ TOTAL INTERVAL 288.13

4. PACKER DEPTH _____

PACKER _____

ANCHOR—SPECIFY _____

Drill Pipe _____ 92.60

Perfs _____ 10.00

RECORDER No. _____ DEPTH _____

Drill Pipe _____ 92.46

Perfs _____ 6.00

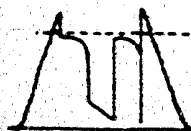
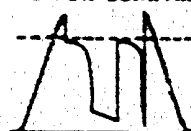
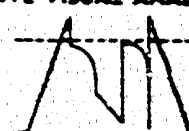
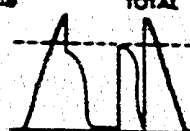
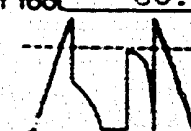
TOTAL DEPTH 1117

BULLNOSE _____ 3.00

TOTAL TAIL PIPE _____

TOTAL TEST TOOL 80.80

DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS

HIGH PERMEABILITY
STRONG DAMAGE EFFECTHIGH PERMEABILITY
NO DAMAGE EFFECTMEDIUM PERMEABILITY
STRONG DAMAGE EFFECTMEDIUM PERMEABILITY
NO DAMAGE EFFECTLOW PERMEABILITY
STRONG DAMAGE EFFECTLOW PERMEABILITY
NO DAMAGE EFFECT



DST PRESSURE INCREMENTS

Recorder No. 5041

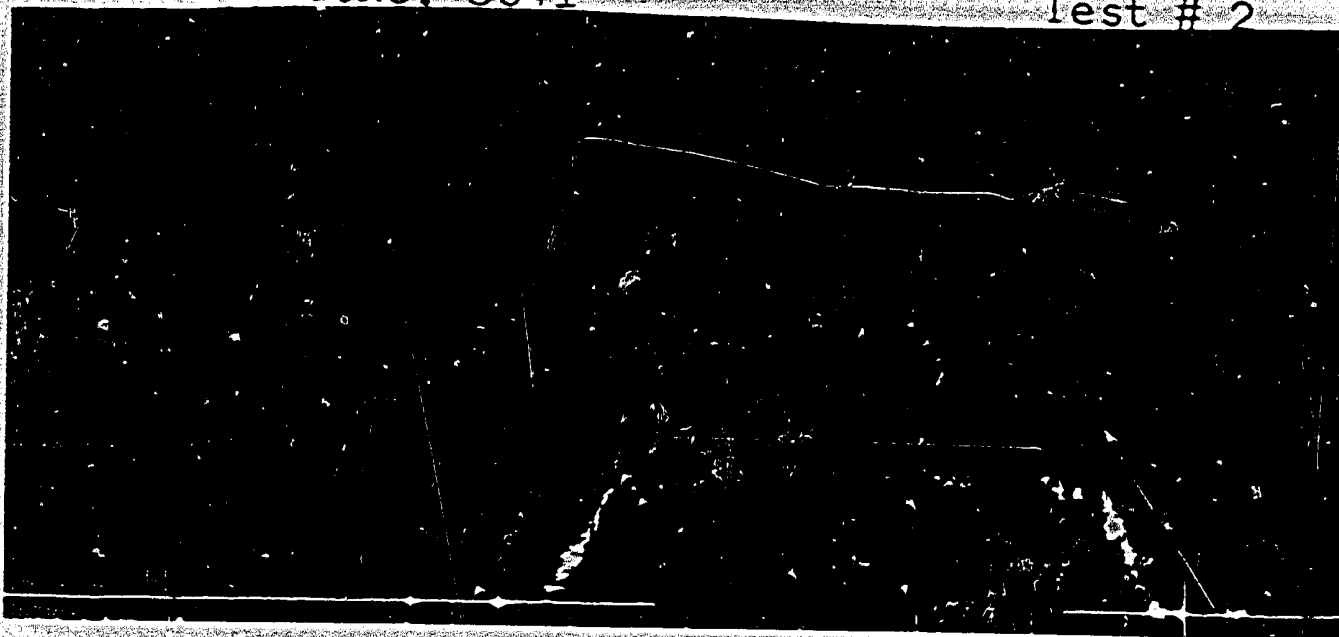
Depth 812

Pulse	INITIAL CIP				FINAL CIP			
	Time Defl.	T+G	$\frac{T+G}{\bullet}$	PSIG	Time Defl.	T+G	$\frac{T+G}{\bullet}$	PSIG
1	0			22	0			71
2	5			244	5			186
3	10			280	10			217
4	15			295	15			238
5	20			302	20			252
6	25			307	25			262
7	30			310	30			272
8	35			312	35			278
9	40			313	40			283
10	45			314	45			287
11	50			315	50			290
12	55			315	55			293
13	58			315	60			395
14					65			298
15					70			301
16					75			302
17					80			302
18					85			304
19					88			305
20								
21								
22								
23								
24								

TRAID BP ARCO CC HUME R A-53-66-10-129-00

Ins.Rec.No. 5041

Test # 2



TRAID BP ARCO CC HUME R A-53-66-10-129-00

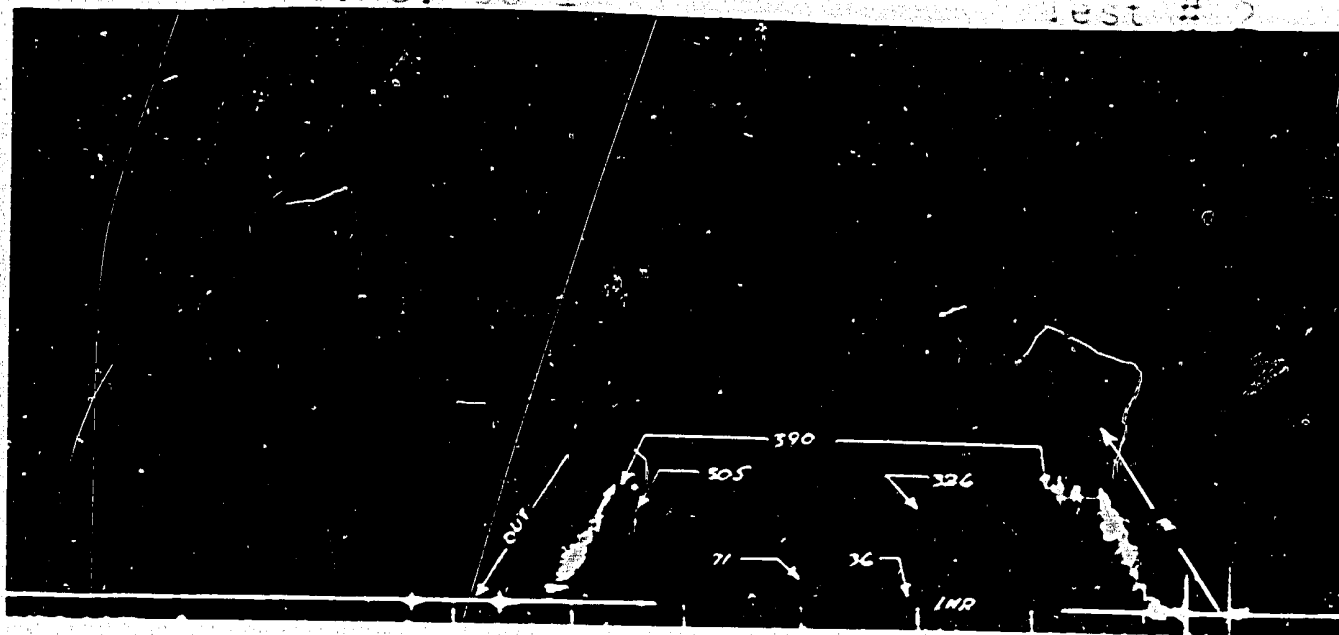
Outs.Rec.No. 5040

Test # 2

TRAIL BP ARCO CC HUME R A-53-66-10-129-00

Ins.Rec.No. 5041

Test # 2



TRAIL BP ARCO CC HUME R A-53-66-10-129-00

Outs.Rec.No. 5040

Test # 2

DRILL-STEM TEST DATA

Well Name	TRIAD BP ARCO CC HUME R	Test No	3
Well Number	A-53-66-10-129-00	Zone Tested	BEAR ROCK
Company	TRIAD OIL COMPANY LTD.	Interval	2742-2770
Comp Rep	M- C Huber	Tester	Joe Hugi
		Date	July 25, 1969

BJ SERVICE DIVI
BORG-WARNER (CANADA)



DRILL-STEM TEST DATA

Well Name	TRIAD BP ARCO CC HUME R	Test No.	3
Well Number	A-53-60-10-129-00	Zone Tested	BEAR ROCK
Company	TRIAD OIL COMPANY LTD.	Interval	2742-2770
Comp. Rep.	Mr. C. Huber	Tester	Joe Hugi
		Date	July 25, 1969

Type of Test Dual Straddle by pass RFS Tool No. 19 drained at locationPretlow 5 mins. ISI 46 mins. Flow 44 mins. FSI 62 mins.

Specify Inside or Outside	Ins	REC No.	5040	Outs	REC No.	5041	Bott	REC No.	2016
	3600	RANGE	12	3600	RANGE	12	5450	RANGE	12
DEPTH			2724			2763			2782
Initial Hydro Mud Press			1272			1300			1317
Initial Shut-In Press			1258			1278			
Initial Flow Press			931			1195			
Final Flow Press			1246			1270			
Final Shut-In Press			1257			1277			1294
Final Hydro Mud Press			1272			1300			1317

Mud Drop Nil Fluid Loss 10 Mud Weight 91
Viscosity 45 Temperature °F 86 Net Pay Tested ?
Top Packer Depth 2742 Bottom Packer Depth 2770 Total Depth 3800
Drill Pipe Size 4" IF Wt. 14 Drill Collar I.D. 2 7/8" Fr. Run 934
Surface Choke Size Closed Bottom Choke Size 1/2" Main Hole Size 7 7/8"
Anchor Size 4 3/4" OD Rot Hole Size _____ Feet of Rot Hole _____
Casing Amount _____ Type _____ Rubber Size 6 5/8"

Fluid Recovery Total Feet 2742
Recovered 1500 Feet of muddy salt water
Recovered 1242 Feet of salt water (2500 PPM)
Recovered _____ Feet of _____
Recovered _____ Feet of _____
Recovered _____ Feet of _____

Gas Recovery How Measured _____ Riser size _____

mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day

Bleed Off Time for Drill Pipe _____

REMARKS: Good air-blow on preflow
Good air-blow on initial flow, dying very sudden after 28 mins.

Core Lab Gas Cont. No. _____ Chem. Geo. Lab Gas Cont. No. _____



Sutliff Jars

6.00

TESTING REPORT

	45 LANDING SUB		
	45 CHAMBER		
	45-POOL-OR P.O. SUB	1.00	
	CO SUB	1.00	
	SHUT IN TOOL	5.50	
	R.P.S. No. 19	3.35	
	R.P.S. No.		
	HYDRAULIC TOOL	7.20	
	JARS		
	RECORDER No. 5040	5.00	DEPTH 2724
	RECORDER No.		DEPTH
	SAFETY JOINT	1.75	
	BY PASS SUB	1.00	
	1. PACKER DEPTH 2736	PACKER	6.00
	2. PACKER DEPTH 2742	PACKER	5.00
		1.00	
	ANCHOR-SPECIFY		
	Perfs	19.00	
	BLANKET-OR-BY PASS SUB	1.00	
	RECORDER No. 5041	4.00	
		DEPTH 2763	
3. PACKER DEPTH 2770	PACKER	3.00	
		3.00	
		TOTAL INTERVAL 28.00	
4. PACKER DEPTH	PACKER	6.00	
	ANCHOR-SPECIFY		
	Perfs	2.00	
	RECORDER No. 2016	5.00	
		DEPTH	
	Drill Pipe	1008.00	
	Perfs	3.00	
TOTAL DEPTH 3800	BULLNOSE	3.00	
		TOTAL TAIL PIPE 1030.00	
		TOTAL TEST TOOL 92.80	

DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS



B HIGH PERMEABILITY STRONG DAMAGE EFFECT HIGH PERMEABILITY NO DAMAGE EFFECT MEDIUM PERMEABILITY STRONG DAMAGE EFFECT MEDIUM PERMEABILITY NO DAMAGE EFFECT LOW PERMEABILITY STRONG DAMAGE EFFECT LOW PERMEABILITY NO DAMAGE EFFECT



DST PRESSURE INCREMENTS

Recorder No. 5040

Depth 2724

Points	INITIAL CIP				FINAL CIP			
	Time Diff.	T+0	$\frac{T+0}{\bullet}$	PSIG	Time Diff.	T+0	$\frac{T+0}{\bullet}$	PSIG
1	0			896	0			1246
2	5			1245	5			1250
3	10			1252	100			1251
4	15			1254	15			1252
5	20			1256	20			1253
6	25			1256	25			1253
7	30			1257	30			1254
8	35			1257	35			1255
9	40			1257	40			1255
10	45			1258	45			1255
11	46			1258	50			1256
12					55			1256
13					60			1257
14					62			1257
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								



DST PRESSURE INCREMENTS

Recorder No.

5040

Depth

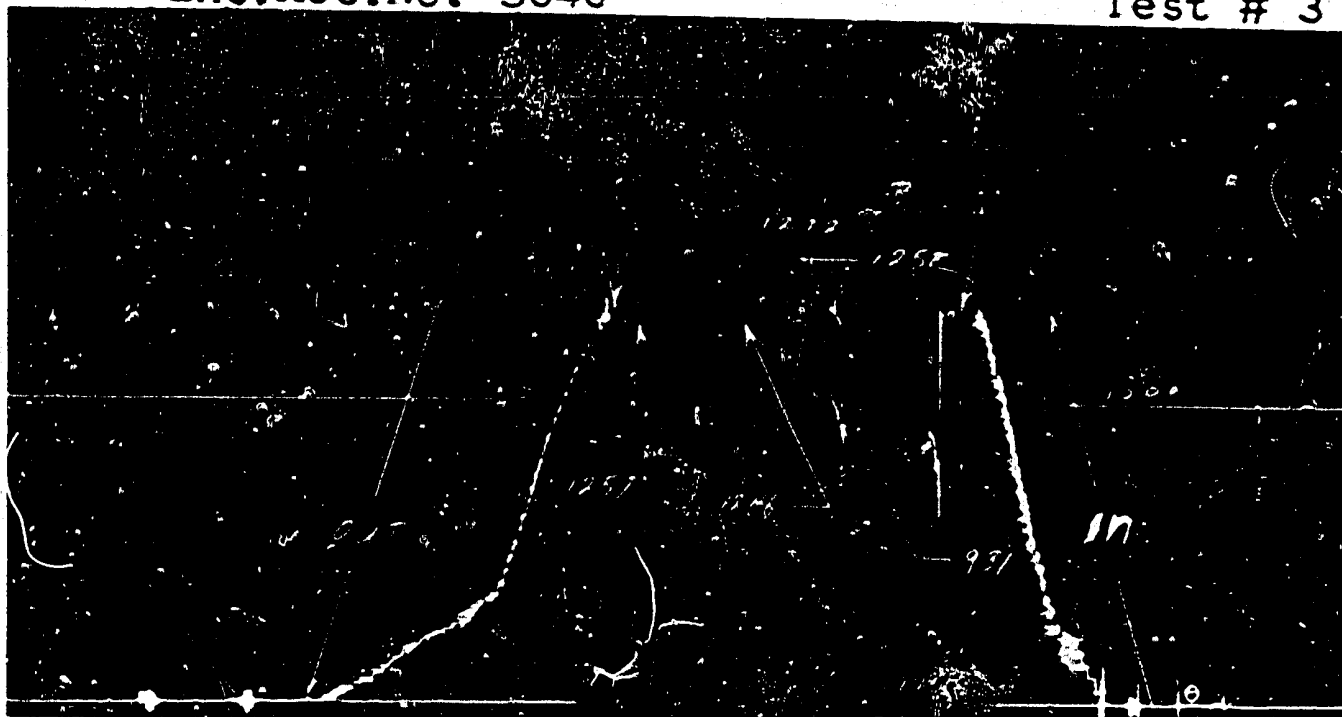
2724

Points	Time Drill	INITIAL CIP			Time Drill	FINAL CIP		
		T+0	$\frac{T+0}{\bullet}$	PSIG		T+0	$\frac{T+0}{\bullet}$	PSIG
1	0			896	0			1246
2	5			1245	5			1250
3	10			1252	100			1251
4	15			1254	15			1252
5	20			1256	20			1253
6	25			1256	25			1253
7	30			1257	30			1254
8	35			1257	35			1255
9	40			1257	40			1255
10	45			1258	45			1255
11	46			1258	50			1256
12					55			1256
13					60			1257
14					62			1257
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

TRIAD BP ARCO CC HUME R A-53-66-10-129-00

Ins.Rec.No. 5040

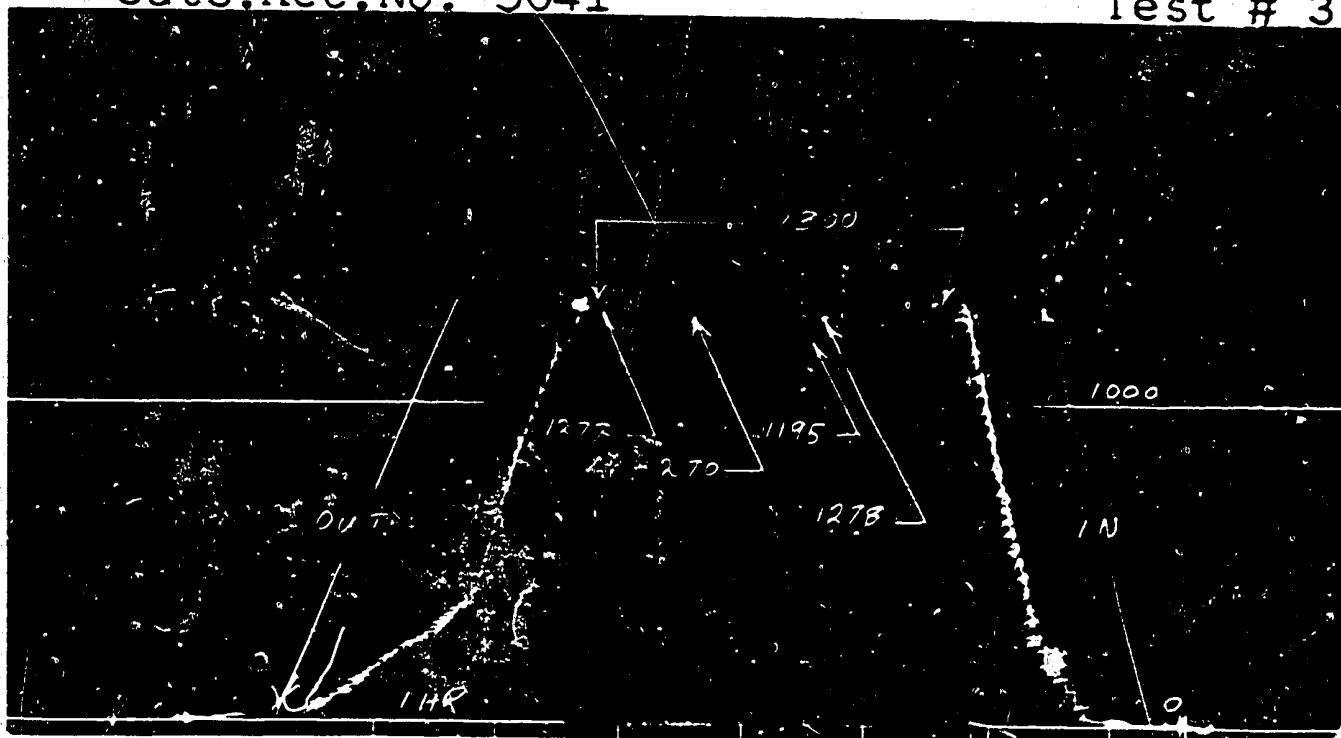
Test # 3



TRIAD BP ARCO CC HUME R A-53-66-10-129-00

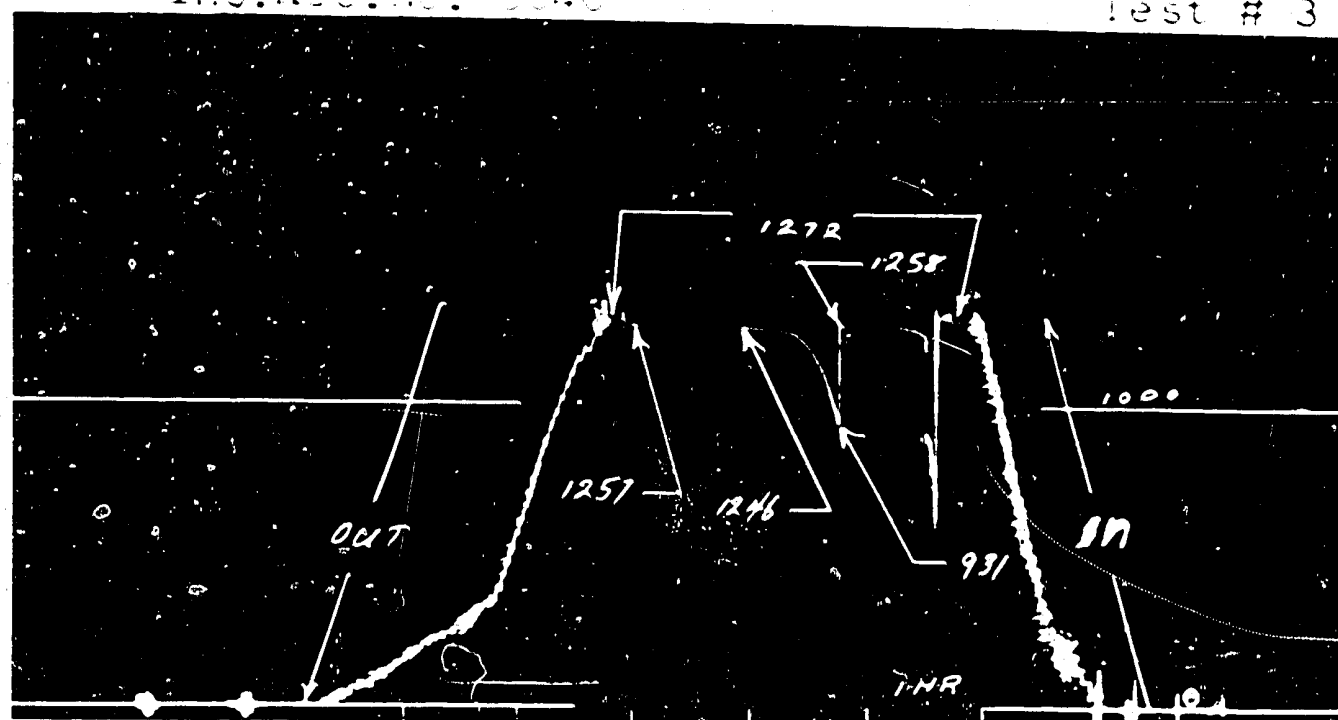
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Test # 3



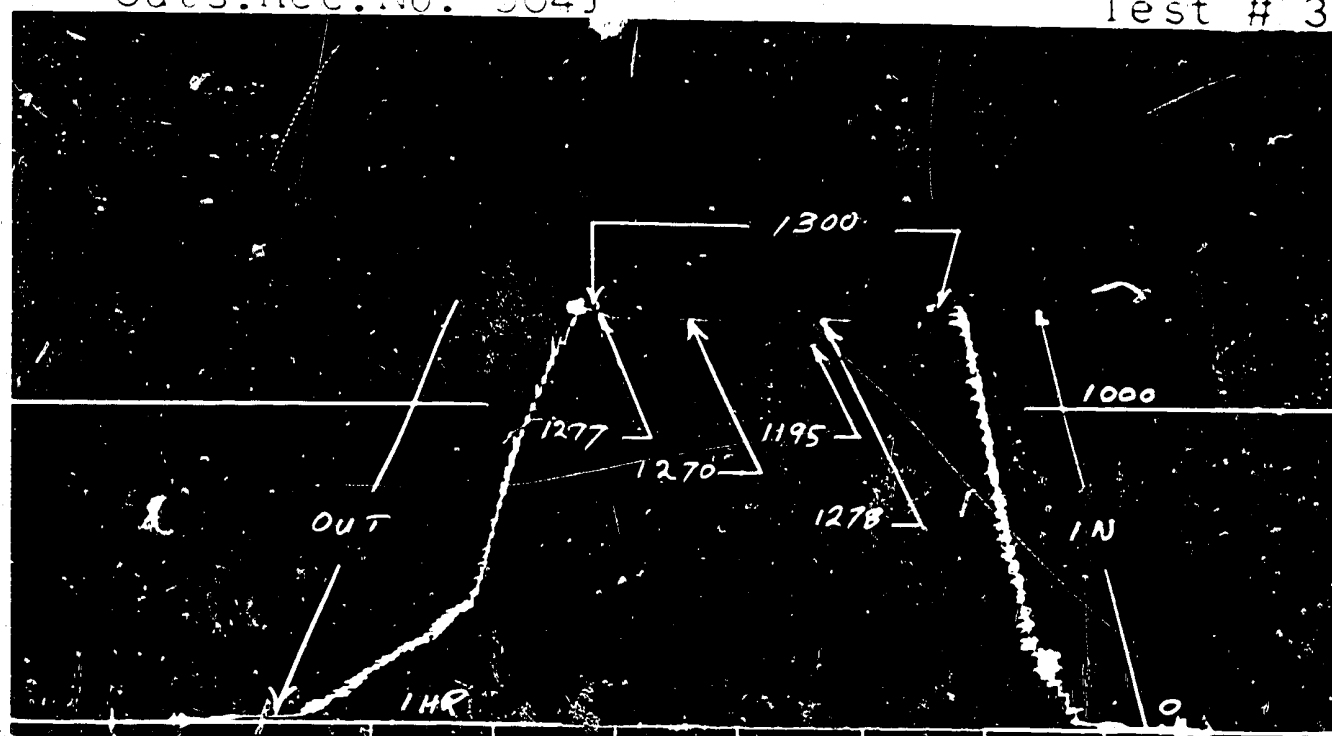
TRIAD BP ARCO CC HUME R A-53-66-10-129-00

Inc. Rec. No. 5040 Test # 3



TRIAD BP ARCO CC HUME R A-53-66-10-129-00

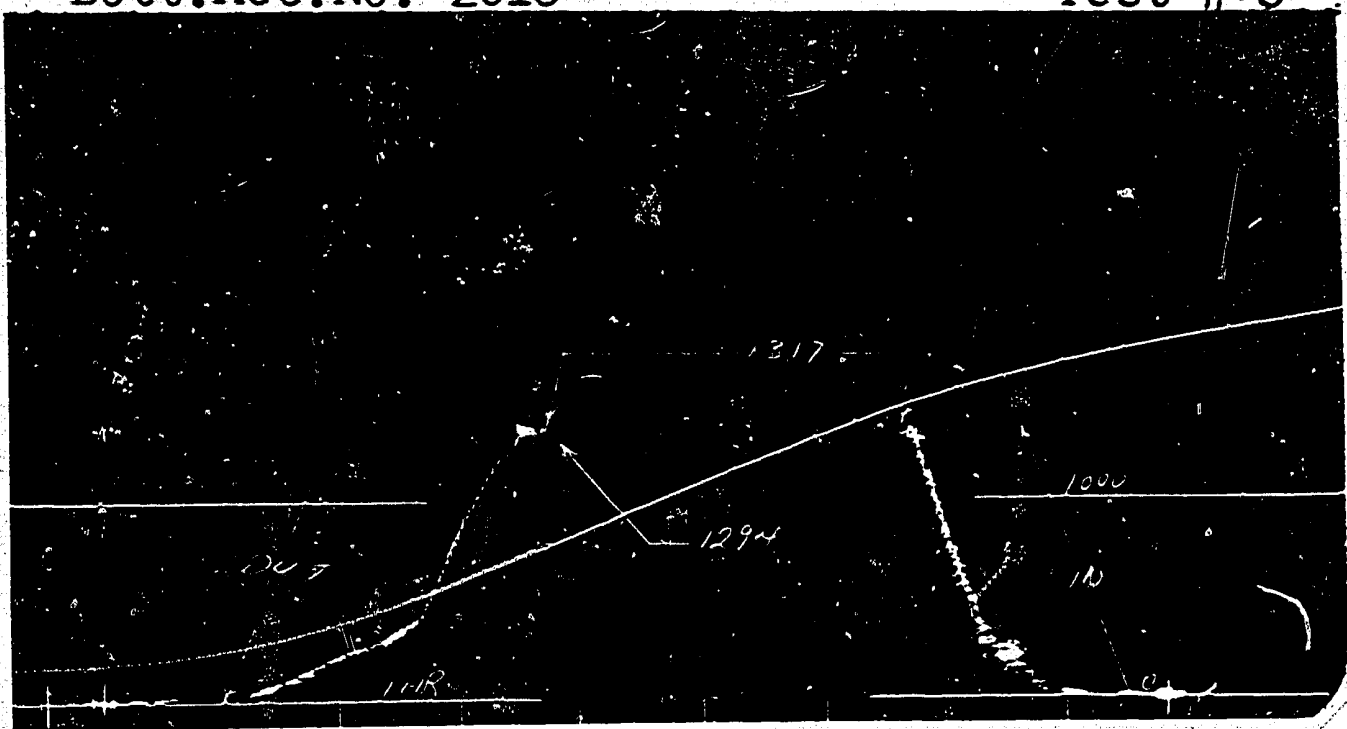
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TRIAD BP ARCO CC HUME R A-53-66-10-129-00

Bott.Rec.No. 2016

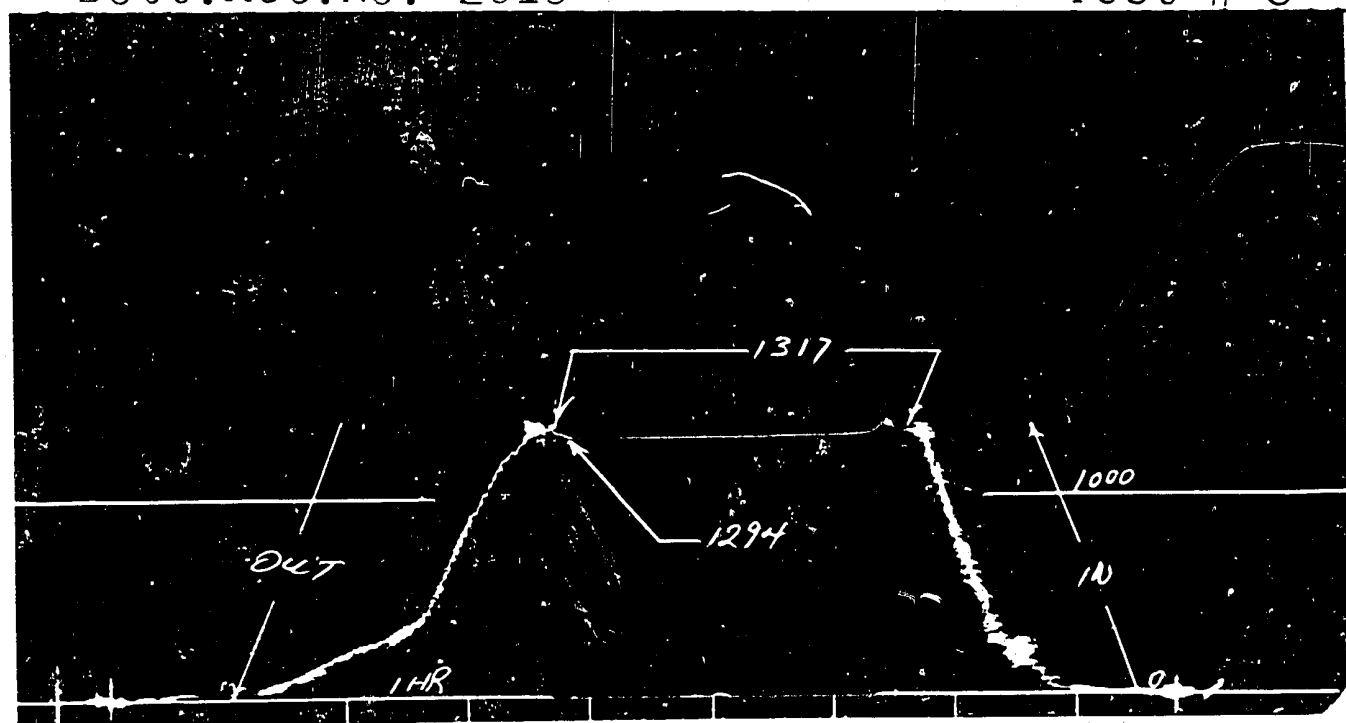
Test # 3



TRIAD BP ARCO CC HUME R A-53-66-10-129-00

Bott.Rec.No. 2016

Test # 3



OPERATOR Triad Oil Co										LEASE Triad RR Area C.C. Hume River										REPORT NO. A-53										DATE August 12-69																			
CONTRACTOR S & T DRILLING (WESTERN) CO. LTD.										RIG NO. 1-E										DRILL PIPE STRING NO. SIZE TOOL JOINT O.D. TYPE THD.										PUMPS NO. MANUFACTURER TYPE STROKE LENGTH LAST CASING TUBING OR LINER										SIZE MAKE WT. & GR. NO. JOINTS FEET RKB. TO CSG. HD. SET AT REMARKS									
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>										SIGNATURE OF CONTRACTOR'S TOOL PUSHER										COUNTY N.W.T.										STATE CANADA																			
TIME DISTRIBUTION-HOURS MORN DAY EVE										NO. DRILLING ASSEMBLY AT END OF TOUR STANDS D.P. FT. SINGLES D.P. FT. D.C. I.D. O.D. FT. D.C. I.D. O.D. FT. STB. BODY O.D. FT. STB. BODY O.D. FT. RMR. BODY O.D. FT. SUBS O.D. FT. BIT OR C.B. FT. KELLY DOWN FT. TOTAL FT. WT. OF STRING LBS.										BIT RECORD BIT NO. SIZE MFG. TYPE NO. NOZZLE SIZE SER. NO. DEPTH OUT DEPTH IN TOTAL FTG. TOTAL HR. RUN COND. OF BIT REAMER NO. REAMER TYPE										MUD RECORD TIME WEIGHT VISC.-SEC W.L.-C.C. FLTR. CK. PH SD. CONT. % PRESSURE GRADIENT MUD & CHEMICALS ADDED TYPE AMT. TYPE AMT. DRILLER <i>[Signature]</i>										FOOTAGE FROM TO DEVIATION RECORD DEPTH DEVI. DIRECTION DEPTH DEVI. DIRECTION TIME LOG FROM TO ELAPSED TIME DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS <i>Travel Day. Arriving Home.</i> <i>1- Driller.</i> <i>2- Floor man</i> <i>MT Riser</i>									
COMPLETION WORK A. PERFORATING B. TUBING TRIPS C. SWABBING D. TESTING E. ADDITIONAL TOTALS										NO. DRILLING ASSEMBLY AT END OF TOUR STANDS D.P. FT. SINGLES D.P. FT. D.C. I.D. O.D. FT. D.C. I.D. O.D. FT. STB. BODY O.D. FT. STB. BODY O.D. FT. RMR. BODY O.D. FT. SUBS O.D. FT. BIT OR C.B. FT. KELLY DOWN FT. TOTAL FT. WT. OF STRING LBS.										BIT RECORD BIT NO. SIZE MFG. TYPE NO. NOZZLE SIZE SER. NO. DEPTH OUT DEPTH IN TOTAL FTG. TOTAL HR. RUN COND. OF BIT REAMER NO. REAMER TYPE										MUD RECORD TIME WEIGHT VISC.-SEC W.L.-C.C. FLTR. CK. PH SD. CONT. % PRESSURE GRADIENT MUD & CHEMICALS ADDED TYPE AMT. TYPE AMT. DRILLER <i>[Signature]</i>										FOOTAGE FROM TO DEVIATION RECORD DEPTH DEVI. DIRECTION DEPTH DEVI. DIRECTION TIME LOG FROM TO ELAPSED TIME DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS <i>Wait on Rig & Clean up Camp Site.</i> <i>1- Driller</i> <i>Hume R. A-53</i>									
TIME SUMMARY (OFFICE USE ONLY) DAY WORK HRS. W/DP HRS. WO/DP HRS. STANDBY										NO. DRILLING ASSEMBLY AT END OF TOUR STANDS D.P. FT. SINGLES D.P. FT. D.C. I.D. O.D. FT. D.C. I.D. O.D. FT. STB. BODY O.D. FT. STB. BODY O.D. FT. RMR. BODY O.D. FT. SUBS O.D. FT. BIT OR C.B. FT. KELLY DOWN FT. TOTAL FT. WT. OF STRING LBS.										BIT RECORD BIT NO. SIZE MFG. TYPE NO. NOZZLE SIZE SER. NO. DEPTH OUT DEPTH IN TOTAL FTG. TOTAL HR. RUN COND. OF BIT REAMER NO. REAMER TYPE										MUD RECORD TIME WEIGHT VISC.-SEC W.L.-C.C. FLTR. CK. PH SD. CONT. % PRESSURE GRADIENT MUD & CHEMICALS ADDED TYPE AMT. TYPE AMT. DRILLER										FOOTAGE FROM TO DEVIATION RECORD DEPTH DEVI. DIRECTION DEPTH DEVI. DIRECTION TIME LOG FROM TO ELAPSED TIME DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS									
TOTAL DAY WORK										NO. DRILLING ASSEMBLY AT END OF TOUR STANDS D.P. FT. SINGLES D.P. FT. D.C. I.D. O.D. FT. D.C. I.D. O.D. FT. STB. BODY O.D. FT. STB. BODY O.D. FT. RMR. BODY O.D. FT. SUBS O.D. FT. BIT OR C.B. FT. KELLY DOWN FT. TOTAL FT. WT. OF STRING LBS.										BIT RECORD BIT NO. SIZE MFG. TYPE NO. NOZZLE SIZE SER. NO. DEPTH OUT DEPTH IN TOTAL FTG. TOTAL HR. RUN COND. OF BIT REAMER NO. REAMER TYPE										MUD RECORD TIME WEIGHT VISC.-SEC W.L.-C.C. FLTR. CK. PH SD. CONT. % PRESSURE GRADIENT MUD & CHEMICALS ADDED TYPE AMT. TYPE AMT. DRILLER										FOOTAGE FROM TO DEVIATION RECORD DEPTH DEVI. DIRECTION DEPTH DEVI. DIRECTION TIME LOG FROM TO ELAPSED TIME DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS									
WIRE LINE RECORD RIG NO. NO. OF LINES SIZE FEET SLIPPED FEET CUT OFF PRESENT LENGTH TON MI. OR TRIPS SINCE LAST CUT CUMULATIVE TON MI. OR TRIPS NO. OF DAYS FROM SPUD CUMULATIVE ROTATING HRS.										NO. DRILLING ASSEMBLY AT END OF TOUR STANDS D.P. FT. SINGLES D.P. FT. D.C. I.D. O.D. FT. D.C. I.D. O.D. FT. STB. BODY O.D. FT. STB. BODY O.D. FT. RMR. BODY O.D. FT. SUBS O.D. FT. BIT OR C.B. FT. KELLY DOWN FT. TOTAL FT. WT. OF STRING LBS.										BIT RECORD BIT NO. SIZE MFG. TYPE NO. NOZZLE SIZE SER. NO. DEPTH OUT DEPTH IN TOTAL FTG. TOTAL HR. RUN COND. OF BIT REAMER NO. REAMER TYPE										MUD RECORD TIME WEIGHT VISC.-SEC W.L.-C.C. FLTR. CK. PH SD. CONT. % PRESSURE GRADIENT MUD & CHEMICALS ADDED TYPE AMT. TYPE AMT. DRILLER										FOOTAGE FROM TO DEVIATION RECORD DEPTH DEVI. DIRECTION DEPTH DEVI. DIRECTION TIME LOG FROM TO ELAPSED TIME DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS									

DATE Recd 11/1/0

DAILY DRILLING REPORT

REPORT NO.

DATE August 10-69

OPERATOR				LEASE				WELL NO.				FIELD OR DIST.				COUNTY				STATE											
TRIAD Oil Co				TRIAD B.D. ARCO C.C. Hume River				A-53				Hume River				ALBERTA				CANADA											
CONTRACTOR				RIG NO.		DRILL PIPE STRING		TOOL JOINT		O.D.		PUMPS		LAST CASING TUBING OR LINER		SIZE		MAKE		WT. & GR.		NO. JOINTS		FEET		RKB. TO CSG. HD.		SET AT		REMARKS	
S & T DRILLING (WESTERN) CO. LTD.				1-E		NO. SIZE		TYPE THD.				NO. MANUFACTURER		TYPE		STROKE LENGTH															
SIGNATURE OF OPERATOR'S REPRESENTATIVE				SIGNATURE OF CONTRACTOR'S TOOL PUSHER																											
1- E																															

[illegible]

DATE August 8th 69

OPERATOR		LEASE		WELL NO.		FIELD OR DIST.		COUNTY		STATE																			
TRIO OIL CO		TRIO BP AREA CC Hump River		A-53		Hump River		D.W.T		CANADA																			
CONTRACTOR		RIG NO.	DRILL PIPE ST2NG	TOOL JOINT	PUMPS		LAST CASING TUBING OR LINER		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS													
S & T DRILLING (WESTERN) CO. LTD.		1-E	NO. SIZE	O.D.	NO.	MANUFACTURER	TYPE	STROKE LENGTH																					
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER																											
b.b. - 24																													
TIME DISTRIBUTION-HOURS		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR-D RM-R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
MORN DAY EVE		STANDS D.P.		FT.		BIT NO.		TIME		FROM		TO																	
RIG UP & TEAR DOWN		SINGLES D.P.		FT.		SIZE		WEIGHT																					
DRILLING ACTUAL		D.C.				MFG.		VISC.-SEC																					
REAMING		I.D. O.D.		FT.		TYPE		W.L.-C.C.																					
CONDITIONING MUD & CIRCULATING		D.C.						FLTR. CK.																					
TRIPS		I.D. O.D.		FT.		NOZZLE		NO.																					
LUBRICATE RIG		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %																					
DEVIATION SURVEY		STB. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT																					
TEST S.O.P.		RMR. BODY O.D.		FT.		DEPTH IN																							
CUT OFF DRILLING LINE		SUBS O.D.		FT.		TOTAL FTG.		MUD & CHEMICALS ADDED																					
PAIR RIG		BIT OR C.B.		FT.		TOTAL HR. RUN		TYPE AMT. TYPE AMT.																					
CORING						COND. OF BIT																							
WIRE LINE LOGGING		TOTAL		FT.		REAMER NO.		DRILLER																					
RUNNING CASING & CEMENTING		WT. OF STRING		LBS.		REAMER TYPE																							
WAITING ON CEMENT																													
DRILL STEM TEST																													
OTHER																													
FISHING																													
A. PERFORATING																													
B. TUBING TRIPS																													
C. SWABBING																													
D. TESTING																													
E. ADDITIONAL																													
TOTALS																													
TIME SUMMARY (OFFICE USE ONLY)																													
DAY WORK																													
HRS. W/DP																													
HRS. WO/DP																													
HRS. STANDBY																													
TOTAL DAY WORK																													
WIRE LINE RECORD																													
REEL NO.																													
NO. OF LINES																													
SIZE																													
FEET SLIPPED																													
FEET CUT OFF																													
PRESENT LENGTH																													
TON ML. OR TRIPS SINCE LAST CUT																													
CUMULATIVE TON ML. OR TRIPS																													
NO. OF DAYS FROM SPUD																													
CUMULATIVE ROTATING HRS.																													

MORNING TOUR

8:00 AM 12:00 PM 16

1- Drilled

2- 5' 1/2" 1/2" 1/2"

DAY TOUR

8:00 4:00 8

1- Drilled

EVENING TOUR

1- Drilled

2- 5' 1/2" 1/2" 1/2"

3- 5' 1/2" 1/2" 1/2"

4- 5' 1/2" 1/2" 1/2"

5- 5' 1/2" 1/2" 1/2"

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144- 5' 1/2" 1/2" 1/2"

145- 5' 1/2" 1/2" 1/2"

146- 5' 1/2" 1/2" 1/2"

147- 5' 1/2" 1/2" 1/2"

148- 5' 1/2" 1/2" 1/2"

149- 5' 1/2" 1/2" 1/2"

150- 5' 1/2" 1/2" 1/2"

151- 5' 1/2" 1/2" 1/2"

152- 5' 1/2" 1/2" 1/2"

153- 5' 1/2" 1/2" 1/2"

154- 5' 1/2" 1/2" 1/2"

155- 5' 1/2" 1/2" 1/2"

156- 5' 1/2" 1/2" 1/2"

157- 5' 1/2" 1/2" 1/2"

158- 5' 1/2" 1/2" 1/2"

159- 5' 1/2" 1/2" 1/2"

160- 5' 1/2" 1/2" 1/2"

161- 5' 1/2" 1/2" 1/2"

162- 5' 1/2" 1/2" 1/2"

163- 5' 1/2" 1/2" 1/2"

164- 5' 1/2" 1/2" 1/2"

165- 5' 1/2" 1/2" 1/2"

166- 5' 1/2" 1/2" 1/2"

167- 5' 1/2" 1/2" 1/2"

168- 5' 1/2" 1/2" 1/2"

169- 5' 1/2" 1/2" 1/2"

170- 5' 1/2" 1/2" 1/2"

171- 5' 1/2" 1/2" 1/2"

172- 5' 1/2" 1/2" 1/2"

173- 5' 1/2" 1/2" 1/2"

174- 5' 1/2" 1/2" 1/2"

175- 5' 1/2" 1/2" 1/2"

176- 5' 1/2" 1/2" 1/2"

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181- 5' 1/2" 1/2" 1/2"

182- 5' 1/2" 1/2" 1/2"

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186- 5' 1/2" 1/2" 1/2"

187- 5' 1/2" 1/2" 1/2"

188- 5' 1/2" 1/2" 1/2"

189- 5' 1/2" 1/2" 1/2"

190- 5' 1/2" 1/2" 1/2"

191- 5' 1/2" 1/2" 1/2"

192- 5' 1/2" 1/2" 1/2"

193- 5' 1/2" 1/2" 1/2"

194- 5' 1/2" 1/2" 1/2"

195- 5' 1/2" 1/2" 1/2"

196- 5' 1/2" 1/2" 1/2"

197- 5' 1/2" 1/2" 1/2"

198- 5' 1/2" 1/2" 1/2"

199- 5' 1/2" 1/2" 1/2"

200- 5' 1/2" 1/2" 1/2"

201- 5' 1/2" 1/2" 1/2"

202- 5' 1/2" 1/2" 1/2"

203- 5' 1/2" 1/2" 1/2"

204- 5' 1/2" 1/2" 1/2"

205- 5' 1/2" 1/2" 1/2"

206- 5' 1/2" 1/2" 1/2"

207- 5' 1/2" 1/2" 1/2"

208- 5' 1/2" 1/2" 1/2"

209- 5' 1/2" 1/2" 1/2"

210- 5' 1/2" 1/2" 1/2"

211- 5' 1/2" 1/2" 1/2"

212- 5' 1/2" 1/2" 1/2"

213- 5' 1/2" 1/2" 1/2"

214- 5' 1/2" 1/2" 1/2"

215- 5' 1/2" 1/2" 1/2"

216- 5' 1/2" 1/2" 1/2"

217- 5' 1/2" 1/2" 1/2"

218- 5' 1/2" 1/2" 1/2"

219- 5' 1/2" 1/2" 1/2"

220- 5' 1/2" 1/2" 1/2"

221- 5' 1/2" 1/2" 1/2"

222- 5' 1/2" 1/2" 1/2"

223- 5' 1/2" 1/2" 1/2"

224- 5' 1/2" 1/2" 1/2"

225- 5' 1/2" 1/2" 1/2"

226- 5' 1/2" 1/2" 1/2"

227- 5' 1/2" 1/2" 1/2"

228- 5' 1/2" 1/2" 1/2"

229- 5' 1/2" 1/2" 1/2"

230- 5' 1/2" 1/2" 1/2"

231- 5' 1/2" 1/2" 1/2"

232- 5' 1/2" 1/2" 1/2"

233- 5' 1/2" 1/2" 1/2"

234- 5' 1/2" 1/2" 1/2"

235- 5' 1/2" 1/2" 1/2"

236- 5' 1/2" 1/2" 1/2"

237- 5' 1/2" 1/2" 1/2"

238- 5' 1/2" 1/2" 1/2"

239- 5' 1/2" 1/2" 1/2"

240- 5' 1/2" 1/2" 1/2"

241- 5' 1/2" 1/2" 1/2"

242- 5' 1/2" 1/2" 1/2"

243- 5' 1/2" 1/2" 1/2"

244- 5' 1/2" 1/2" 1/2"

245- 5' 1/2" 1/2" 1/2"

246- 5' 1/2" 1/2" 1/2"

247- 5' 1/2" 1/2" 1/2"

248- 5' 1/2" 1/2" 1/2"

249- 5' 1/2" 1/2" 1/2"

250- 5' 1/2" 1/2" 1/2"

251- 5' 1/2" 1/2" 1/2"

252- 5' 1/2" 1/2" 1/2"

253- 5' 1/2" 1/2" 1/2"

254- 5' 1/2" 1/2" 1/2"

255-

DATE *Aug 7 - 1968*

[illegible]

DAILY DRILLING REPORT

REPORT NO.

DATE

Aug 5 69

OPERATOR

LEASE

Loral Oil Company

B.P. Area C.S. Hume River

WELL NO.
H-53

FIELD OR DIST.

Hume River

COUNTY

N.W.T.

STATE

Canada

CONTRACTOR

RIG NO.

DRILL PIPE

STRING

NO. SIZE

TOOL JOINT

O.D.

PUMPS

TYPE THD.

NO.

MANUFACTURER

TYPE

STROKE

LENGTH

LAST
CASING
TUBING
OR LINER

SIZE

MAKE

WT. & GR.

NO. JOINTS

FEET

RKB. TO

CSG. HD.

SET AT

REMARKS

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

L. H. Hume

TIME DISTRIBUTION - HOURS

MORN DAY EYE

RIG UP & TEAR DOWN

DRILLING ACTUAL

REAMING

CONDITIONING MUD & CIRCULATING

TRIPS

LUBRICATE RIG

DEVIATION SURVEY

TEST B.O.P.

CUT OFF DRILLING LINE

REPAIR R.G.

CIRCUIT

WIRE LINE LOGGING

RUNNING CASING & CEMENTING

WAITING ON CEMENT

DRILL STEM TEST

OTHER

FISHING

COMPLETION WORK

A. PERFORATING

B. TUBING TRIPS

C. SWABBING

D. TESTING

E. ADDITIONAL

TOTALS

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES

SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

NO.

DRILLING ASSEMBLY
AT END OF TOUR

STANDS D.P.

SINGLES D.P.

D.C.

I.D. O.D.

D.C.

I.D. O.D.

STB. BODY O.D.

STB. BODY O.D.

RMR. BODY O.D.

SUBS O.D.

BIT OR C.B.

KELLY DOWN

TOTAL

WT. OF STRING

LBS.

NO.

STANDS D.P.

SINGLES D.P.

D.C.

I.D. O.D.

D.C.

I.D. O.D.

STB. BODY O.D.

STB. BODY O.D.

RMR. BODY O.D.

SUBS O.D.

BIT OR C.B.

KELLY DOWN

TOTAL

WT. OF STRING

LBS.

NO.

STANDS D.P.

SINGLES D.P.

D.C.

I.D. O.D.

D.C.

I.D. O.D.

STB. BODY O.D.

STB. BODY O.D.

RMR. BODY O.D.

SUBS O.D.

BIT OR C.B.

KELLY DOWN

TOTAL

WT. OF STRING

LBS.

NO.

STANDS D.P.

SINGLES D.P.

D.C.

I.D. O.D.

D.C.

I.D. O.D.

STB. BODY O.D.

STB. BODY O.D.

RMR. BODY O.D.

SUBS O.D.

BIT OR C.B.

KELLY DOWN

TOTAL

WT. OF STRING

LBS.

NO.

STANDS D.P.

SINGLES D.P.

D.C.

I.D. O.D.

D.C.

I.D. O.D.

STB. BODY O.D.

STB. BODY O.D.

RMR. BODY O.D.

SUBS O.D.

BIT OR C.B.

KELLY DOWN

TOTAL

WT. OF STRING

LBS.

BIT RECORD

BIT NO.

SIZE

MFG.

TYPE

NO.

NOZZLE

SIZE

SER. NO.

DEPTH OUT

DEPTH IN

TOTAL FTG.

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

TIME

WEIGHT

VISC.-SEC

W.L.-CC.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-CC.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-CC.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-CC.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-CC.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

MUD RECORD

TIME

WEIGHT

VISC.-SEC

W.L.-CC.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-CC.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-CC.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-CC.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-CC.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-CC.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

TIME

WEIGHT

FOOTAGE

FROM

TO

DR. D

R.M.R

CORE-C

CORE NO.

FORMATION

(SHOW CORE RECOVERY)

ROTARY

RPM

WT. ON

BIT

1000 #

PUMP

PRESS

PUMP NO.

PUMP NO.

METHOD

RUN

SGL-S

PARTEL-P

COMD-C

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

OPERATOR <i>Liquid Oil Company</i>						LEASE <i>B.P. Area Co. Home River</i>						WELL NO. <i>A-53</i>		FIELD OR DIST. <i>Home River</i>				COUNTY <i>N.W.T.</i>		STATE <i>Canada</i>			
CONTRACTOR <i>S & T DRILLING (WESTERN) CO. LTD.</i>						RIG NO. <i>IE</i>		DRILL PIPE STRING NO. SIZE		TOOL JOINT O.D. TYPE THD.		PUMPS NO. MANUFACTURER TYPE STROKE LENGTH		LAST CASING TUBING OR LINER		SIZE MAKE WT. & GR. NO. JOINTS FEET		RK.B. TO CSG. HD. SET AT		REMARKS			
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>								SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>															
TIME DISTRIBUTION-HOURS																							
RIG UP & TEAR DOWN		MORN	DAY	EVE																			
DRILLING ACTUAL																							
REAMING																							
CONDITIONING MUD & CIRCULATING																							
TRIPS																							
LUBRICATE RIG																							
DEVIATION SURVEY																							
TEST S.O.P.																							
CUT OFF DRILLING LINE																							
PAIR RIG																							
CORING																							
WIRE LINE LOGGING																							
RUNNING CASING & CEMENTING																							
WAITING ON CEMENT																							
DRILL STEM TEST																							
OTHER																							
FISHING																							
COMPLETION WORK																							
A. PERFORATING																							
B. TUBING TRIPS																							
C. SNABBING																							
D. TESTING																							
E. ADDITIONAL																							
TOTALS																							
TIME SUMMARY (OFFICE USE ONLY)																							
DAY WORK																							
HRS. W/D.P.																							
HRS. WO/D.P.																							
HRS. STANDBY																							
TOTAL DAY WORK																							
WIRE LINE RECORD																							
REEL NO.																							
NO. OF LINES																							
FEET SLIPPED																							
FEET CUT OFF																							
PRESENT LENGTH																							
TON MI. OR TRIPS SINCE LAST CUT																							
CUMULATIVE TON MI. OR TRIPS																							
NO. OF DAYS FROM SPUD																							
CUMULATIVE ROTATING HRS.																							

DAILY DRILLING REPORT

REPORT NO.

DATE

Aug 4/69

OPERATOR

LEASE

WELL NO.

FIELD OR DIST.

COUNTY

STATE

CONTRACTOR

SIC NO.

DRILL PIPE STRING

TOOL JOINT

O.D.

PUMPS

SIZE

MAKE

WT. & GR.

NO. JOINTS

FEET

RKB. TO CSG. HD.

SET AT

REMARKS

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

1.

2.

3.

NO.

MANUFACTURER

TYPE

STROKE LENGTH

LAST CASING TUBING OR LINER

TIME DISTRIBUTION-HOURS

MORN DAY EYE

RIG UP & TEAR DOWN

DRILLING ACTUAL

REAMING

CONDITIONING MUD & CIRCULATING

TRIPS

LUBRICATE RIG

DEVIATION SURVEY

TEST B.O.P.

CUT OFF DRILLING LINE

PAIR RIG

CORING

WIRE LINE LOGGING

RUNNING CASING & CEMENTING

WAITING ON CEMENT

DRILL STEM TEST

OTHER

FISHING

COMPLETION WORK

A. PERFORATING

B. TUBING TRIPS

C. SWABBING

D. TESTING

E. ADDITIONAL

TOTALS

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

NORNING TOUR

DAY TOUR

EVENING TOUR

NO.

DRILLING ASSEMBLY AT END OF TOUR

STANDS D.P. FT.

SINGLES D.P. FT.

D.C.

I.D. O.D. FT.

D.C.

I.D. O.D. FT.

STB. BODY O.D. FT.

STB. BODY O.D. FT.

RMR. BODY O.D. FT.

SUBS O.D. FT.

BIT OR C.B. FT.

KELLY DOWN FT.

TOTAL FT.

WT. OF STRING LBS.

NO.

DRILLING ASSEMBLY AT END OF TOUR

STANDS D.P. FT.

SINGLES D.P. FT.

D.C.

I.D. O.D. FT.

D.C.

I.D. O.D. FT.

STB. BODY O.D. FT.

STB. BODY O.D. FT.

RMR. BODY O.D. FT.

SUBS O.D. FT.

BIT OR C.B. FT.

KELLY DOWN FT.

TOTAL FT.

WT. OF STRING LBS.

NO.

DRILLING ASSEMBLY AT END OF TOUR

STANDS D.P. FT.

SINGLES D.P. FT.

D.C.

I.D. O.D. FT.

D.C.

I.D. O.D. FT.

STB. BODY O.D. FT.

STB. BODY O.D. FT.

RMR. BODY O.D. FT.

SUBS O.D. FT.

BIT OR C.B. FT.

KELLY DOWN FT.

TOTAL FT.

WT. OF STRING LBS.

NO.

DRILLING ASSEMBLY AT END OF TOUR

BIT RECORD

STANDS D.P. FT.

SINGLES D.P. FT.

D.C.

I.D. O.D. FT.

D.C.

I.D. O.D. FT.

STB. BODY O.D. FT.

STB. BODY O.D. FT.

RMR. BODY O.D. FT.

SUBS O.D. FT.

BIT OR C.B. FT.

KELLY DOWN FT.

TOTAL FT.

REAMER NO.

REAMER TYPE

COND. OF BIT

TOTAL HR. RUN

TOTAL FTG.

MUD & CHEMICALS ADDED

TYPE AMT. TYPE AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

DEPTH OUT

DEPTH IN

NOZZLE NO. SIZE

SER. NO.

TOTAL FTG.

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

MUD & CHEMICALS ADDED

TYPE AMT. TYPE AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

DEPTH OUT

DEPTH IN

NOZZLE NO. SIZE

SER. NO.

TOTAL FTG.

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

MUD & CHEMICALS ADDED

TYPE AMT. TYPE AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

DEPTH OUT

DEPTH IN

NOZZLE NO. SIZE

SER. NO.

TOTAL FTG.

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

MUD RECORD

TIME

WEIGHT

VISC.-SEC

W.L.-C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

DEPTH OUT

DEPTH IN

TOTAL FTG.

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

MUD & CHEMICALS ADDED

TYPE AMT. TYPE AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

DEPTH OUT

DEPTH IN

NOZZLE NO. SIZE

SER. NO.

TOTAL FTG.

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

MUD & CHEMICALS ADDED

TYPE AMT. TYPE AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

DEPTH OUT

DEPTH IN

NOZZLE NO. SIZE

SER. NO.

TOTAL FTG.

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

MUD & CHEMICALS ADDED

TYPE AMT. TYPE AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

DEPTH OUT

DEPTH IN

NOZZLE NO. SIZE

SER. NO.

TOTAL FTG.

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

MUD & CHEMICALS ADDED

TYPE AMT. TYPE AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

DEPTH OUT

DEPTH IN

NOZZLE NO. SIZE

SER. NO.

TOTAL FTG.

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

MUD & CHEMICALS ADDED

TYPE AMT. TYPE AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

DEPTH OUT

DEPTH IN

NOZZLE NO. SIZE

SER. NO.

TOTAL FTG.

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

MUD & CHEMICALS ADDED

TYPE AMT. TYPE AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

DEPTH OUT

DEPTH IN

NOZZLE NO. SIZE

SER. NO.

TOTAL FTG.

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

MUD & CHEMICALS ADDED

TYPE AMT. TYPE AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

DEPTH OUT

DEPTH IN

NOZZLE NO. SIZE

SER. NO.

TOTAL FTG.

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

MUD & CHEMICALS ADDED

TYPE AMT. TYPE AMT.

TIME

WEIGHT

VISC.-SEC

W.L.-C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

DEPTH OUT

DEPTH IN

NOZZLE NO. SIZE

SER. NO.

DATE _____

DATE Aug 3/69

OPERATOR <i>Lind Oil Company</i>		LEASE <i>B.P. Acres Co. Hummer A-53</i>		WELL NO. <i>A-53</i>		FIELD OR DIST. <i>Hummer River</i>		COUNTY <i>N.W.T.</i>		STATE <i>Canada</i>			
CONTRACTOR <i>S & T DRILLING (WESTERN) CO. LTD.</i>		RIG NO.		DRILL PIPE STRING NO. SIZE		TOOL JOINT O.D. TYPE THD.		PUMPS NO. MANUFACTURER TYPE STROKE LENGTH		LAST CASING TUBING OR LINER		SIZE MAKE WT. & GR. NO. JOINTS FEET RKB. TO CSG. HD. SET AT REMARKS	
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>L. L. Huber</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>A. B. Huber</i>											
TIME DISTRIBUTION - HOURS MORN DAY EVE		NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO. PUMP NO. METHOD RUN	
RIG UP & TEAR DOWN		STANDS D.P. FT.		BIT NO.		TIME		FROM TO				SGL. S. PAR. EL. P. COM. D.C.	
DRILLING ACTUAL		SINGLES D.P. FT.		SIZE		WEIGHT							
REAMING		D.C.		MFG.		VISC.-SEC							
CONDITIONING MUD & CIRCULATING		I.D. O.D. FT.		TYPE		W.L.-C.C.							
TRIPS		D.C.		NOZZLE NO. SIZE		FLTR. CK.							
LUBRICATE RIG		I.D. O.D. FT.		PH									
DEVIATION SURVEY		STB. BODY O.D. FT.		SER. NO.		SD. CONT. %							
TEST B.O.P.		STB. BODY O.D. FT.		DEPTH OUT		PRESSURE GRADIENT							
CUT OFF DRILLING LINE		RMR. BODY O.D. FT.		DEPTH IN									
PAIR RIG		SUBS O.D. FT.		TOTAL FTG.		MUD & CHEMICALS ADDED TYPE AMT. TYPE AMT.							
CORING		BIT OR C.B. FT.		TOTAL HR. RUN									
WIRE LINE LOGGING		KELLY DOWN FT.		COND. OF BIT									
RUNNING CASING & CEMENTING		TOTAL FT.		REAMER NO.									
WAITING ON CEMENT		WT. OF STRING LBS.		REAMER TYPE		DRILLER <i>E. W. Huber</i>							
DRILL STEM TEST		NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO. PUMP NO. METHOD RUN	
OTHER		STANDS D.P. FT.		BIT NO.		TIME		FROM TO				SGL. S. PAR. EL. P. COM. D.C.	
FISHING		SINGLES D.P. FT.		SIZE		WEIGHT							
COMPLETION WORK		D.C.		MFG.		VISC.-SEC							
A. PERFORATING		I.D. O.D. FT.		TYPE		W.L.-C.C.							
B. TUBING TRIPS		D.C.		NOZZLE NO. SIZE		FLTR. CK.							
C. SWABBING		I.D. O.D. FT.		PH									
D. TESTING		STB. BODY O.D. FT.		SER. NO.		SD. CONT. %							
E. ADDITIONAL		STB. BODY O.D. FT.		DEPTH OUT		PRESSURE GRADIENT							
TOTALS		RMR. BODY O.D. FT.		DEPTH IN									
TIME SUMMARY (OFFICE USE ONLY)		SUBS O.D. FT.		TOTAL FTG.		MUD & CHEMICALS ADDED TYPE AMT. TYPE AMT.							
DAY WORK		BIT OR C.B. FT.		TOTAL HR. RUN									
HRS. W/DP		KELLY DOWN FT.		COND. OF BIT									
HRS. WO/DP		TOTAL FT.		REAMER NO.									
HRS. STANDBY		WT. OF STRING LBS.		REAMER TYPE		DRILLER <i>Tom Swail</i>							
TOTAL DAY WORK		NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO. PUMP NO. METHOD RUN	
WIRE LINE RECORD		STANDS D.P. FT.		BIT NO.		TIME		FROM TO				SGL. S. PAR. EL. P. COM. D.C.	
REEL NO.		SINGLES D.P. FT.		SIZE		WEIGHT							
NO. OF LINES SIZE		D.C.		MFG.		VISC.-SEC							
FEET SLIPPED		I.D. O.D. FT.		TYPE		W.L.-C.C.							
FEET CUT OFF		D.C.		NOZZLE NO. SIZE		FLTR. CK.							
PRESENT LENGTH		I.D. O.D. FT.		PH									
TON MI. OR TRIPS SINCE LAST CUT		STB. BODY O.D. FT.		SER. NO.		SD. CONT. %							
CUMULATIVE TON MI. OR TRIPS		STB. BODY O.D. FT.		DEPTH OUT		PRESSURE GRADIENT							
NO. OF DAYS FROM SPUD		RMR. BODY O.D. FT.		DEPTH IN									
CUMULATIVE ROTATING HRS.		SUBS O.D. FT.		TOTAL FTG.		MUD & CHEMICALS ADDED TYPE AMT. TYPE AMT.							
		BIT OR C.B. FT.		TOTAL HR. RUN									
		KELLY DOWN FT.		COND. OF BIT									
		TOTAL FT.		REAMER NO.									
		WT. OF STRING LBS.		REAMER TYPE		DRILLER							

DAILY DRILLING REPORT

REPORT NO.

DATE July 29 69

OPERATOR

LEASE

Lindal Oil Company

B.P. Area Co. Home River

WELL NO.

FIELD OR DIST.

Home River

COUNTY

Cathlamet

STATE

N.W.T. Canada

CONTRACTOR

RIG NO.

DRILL PIPE

STRING

NO. SIZE

TOOL JOINT

O.D.

PUMPS

NO.

MANUFACTURER

TYPE

STROKE LENGTH

LAST CASING TUBING OR LINER

SIZE

MAKE

WT. & GR.

NO. JOINTS

FEET

RKB. TO CSG. HD.

SET AT

REMARKS

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

TIME DISTRIBUTION-HOURS

RIG UP & TEAR DOWN

DRILLING ACTUAL

REAMING

CONDITIONING MUD & CIRCULATING

TRIPS

LUBRICATE RIG

DEVIATION SURVEY

TEST S.O.P.

CUT OFF DRILLING LINE

PAIR RIG

CORING

WIRE LINE LOGGING

RUNNING CASING & CEMENTING

WAITING ON CEMENT

DRILL STEM TEST

OTHER

FISHING

A. PERFORATING

B. TUBING TRIPS

C. SWABBING

D. TESTING

E. ADDITIONAL

TOTALS

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON M.L. OR TRIPS SINCE LAST CUT

CUMULATIVE TON M.L. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DAY TOUR

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	FOOTAGE	DR-D RML-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M. LINER SIZE	PUMP NO. S.P.M. LINER SIZE	METHOD RUN SGL-S PAR-EL-P COM-D-C
STANDS D.P.	FT.	BIT NO.	TIME	FROM	TO									
SINGLES D.P.	FT.	SIZE	WEIGHT	July 29 1969										
D.C.		MFG.	VISC.-SEC											
I.D. O.D.	FT.	TYPE	W.L.-C.C.											
D.C.		NO.	FLTR. CK.											
I.D. O.D.	FT.	NOZZLE SIZE	PH											
STB. BODY O.D.	FT.	SER. NO.	SD. CONT. %											
STB. BODY O.D.	FT.	DEPTH OUT	PRESSURE GRADIENT											
RMR. BODY O.D.	FT.	DEPTH IN												
SUBS O.D.	FT.	TOTAL FTG.	MUD & CHEMICALS ADDED											
BIT OR C.B.	FT.	TOTAL HR. RUN	TYPE AMT. TYPE AMT.											
KELLY DOWN	FT.	COND. OF BIT												
TOTAL	FT.	REAMER NO.												
WT. OF STRING	LBS.	REAMER TYPE	DRILLER											
STANDS D.P.	FT.	BIT NO.	TIME	FROM	TO									
SINGLES D.P.	FT.	SIZE	WEIGHT	July 30 1969										
D.C.		MFG.	VISC.-SEC											
I.D. O.D.	FT.	TYPE	W.L.-C.C.											
D.C.		NO.	FLTR. CK.											
I.D. O.D.	FT.	NOZZLE SIZE	PH											
STB. BODY O.D.	FT.	SER. NO.	SD. CONT. %											
STB. BODY O.D.	FT.	DEPTH OUT	PRESSURE GRADIENT											
RMR. BODY O.D.	FT.	DEPTH IN												
SUBS O.D.	FT.	TOTAL FTG.	MUD & CHEMICALS ADDED											
BIT OR C.B.	FT.	TOTAL HR. RUN	TYPE AMT. TYPE AMT.											
KELLY DOWN	FT.	COND. OF BIT												
TOTAL	FT.	REAMER NO.												
WT. OF STRING	LBS.	REAMER TYPE	DRILLER											
STANDS D.P.	FT.	BIT NO.	TIME	FROM	TO									
SINGLES D.P.	FT.	SIZE	WEIGHT	July 31 1969										
D.C.		MFG.	VISC.-SEC											
I.D. O.D.	FT.	TYPE	W.L.-C.C.											
D.C.		NO.	FLTR. CK.											
I.D. O.D.	FT.	NOZZLE SIZE	PH											
STB. BODY O.D.	FT.	SER. NO.	SD. CONT. %											
STB. BODY O.D.	FT.	DEPTH OUT	PRESSURE GRADIENT											
RMR. BODY O.D.	FT.	DEPTH IN												
SUBS O.D.	FT.	TOTAL FTG.	MUD & CHEMICALS ADDED											
BIT OR C.B.	FT.	TOTAL HR. RUN	TYPE AMT. TYPE AMT.											
KELLY DOWN	FT.	COND. OF BIT												
TOTAL	FT.	REAMER NO.												
WT. OF STRING	LBS.	REAMER TYPE	DRILLER											

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

July 29 1969
Cleaning & Pumping Derrick
TEAROUT

July 30 1969
Painting Derrick & Central Barge @ Mountain
Pisces

July 31 1969
Roll up Plastic Hose & Loading mud
on the Barge @ Home River
work on road to Lease

DAILY DRILLING REPORT

REPORT NO. *944*DATE *July 27*

OPERATOR

LEASE

WELL NO.

FIELD OR DIST.

COUNTY

STATE

CONTRACTOR

RIG NO.

DRILL PIPE

TOOL JOINT

O.C.

PUMPS

S & T DRILLING (WESTERN) CO. LTD.

NO.

SIZE

TYPE THD.

NO.

MANUFACTURER

TYPE

STROKE

LENGTH

LAST

CASING

TUBING

OR LINER

SIZE

MAKE

WT. & GR.

NO. JOINTS

FEET

RKB. TO

SET AT

REMARKS

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

1.

2.

3.

TIME DISTRIBUTION-HOURS

MORN DAY EVE

MORNING TOUR

DAY TOUR

EVENING TOUR

NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
STANDS D.P.		FT.		BIT NO.		TIME		FROM TO															
SINGLES D.P.		FT.		SIZE		WEIGHT																	
D.C.				MFG.		VISC.-SEC																	
I.D. O.D.		FT.		TYPE		W.L.-C.C.																	
D.C.				FLTR. CK.		PH																	
I.D. O.D.		FT.		NOZZLE		SD. CONT. %																	
STB. BODY O.D.		FT.		SER. NO.		PRESSURE GRADIENT																	
STB. BODY O.D.		FT.		DEPTH OUT																			
RMR. BODY O.D.		FT.		DEPTH IN																			
SUBS O.D.		FT.		TOTAL FTG.																			
BIT OR C.B.		FT.		TOTAL HR. RUN																			
KELLY DOWN		FT.		COND. OF BIT																			
TOTAL		FT.		REAMER NO.																			
WT. OF STRING		LBS.		REAMER TYPE																			
DRILLER <i>E. D. Henderson</i>																							
TIME LOG FROM <i>12:00</i> TO <i>8:00</i> ELAPSED TIME <i>8</i> DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS <i>Iron cut Rig</i>																							
DEVIATION RECORD DEPTH DEVI. DIRECTION DEPTH DEVI. DIRECTION DEPTH DEVI. DIRECTION																							
TIME LOG FROM <i>8:00</i> TO <i>4:00</i> ELAPSED TIME <i>8</i> DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS <i>Tear out Rig for Lower Section & changed bit to filters in drill D. 374</i>																							
DEVIATION RECORD DEPTH DEVI. DIRECTION DEPTH DEVI. DIRECTION DEPTH DEVI. DIRECTION																							
TIME LOG FROM <i>4:00</i> TO <i>12:00</i> ELAPSED TIME <i>8</i> DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS <i>Tear out</i>																							
DEVIATION RECORD DEPTH DEVI. DIRECTION DEPTH DEVI. DIRECTION DEPTH DEVI. DIRECTION																							

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

FEEL NO.

NO. OF LINES

SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS

SINCE LAST CUT

CUMULATIVE

TON MI. OR TRIPS

NO. OF DAYS

FROM SPUD

CUMULATIVE

ROTATING HRS.

DATE July 26/10

OPERATOR Fried Oil Company		LEASE D. P. Reed CC Home River		WELL NO. H 55		FIELD OR DIST. Home River		COUNTY N.W.T.		STATE Canada																			
CONTRACTOR S & T DRILLING (WESTERN) CO. LTD.		RIG NO. 1E	DRILL PIPE STRING NO. 2 SIZE 4	TOOL JOINT 5 O.D.	PUMPS		LAST CASING TUBING OR LINER		SIZE 13 7/8	MAKE JAP	WT. & GR. 48" 40	NO. JOINTS 3	FEET 92.02	RKB. TO CSG. HD.	SET AT	REMARKS Comments to surface.													
SIGNATURE OF OPERATOR'S REPRESENTATIVE C. L. ...			SIGNATURE OF CONTRACTOR'S TOOL PUSHER UB ...			1. HSCD K 380 14"		2. HSCD K 380 14"		3.																			
TIME DISTRIBUTION-HOURS		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR. D R.M. R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO. LINER SIZE S.P.M.		PUMP NO. LINER SIZE S.P.M.		METHOD RUN SCL-S PAR-EL-P COM'D-C	
RIG UP & TEAR DOWN		STANDS D.P.		FT.		BIT NO.		TIME		FROM		TO																	
DRILLING ACTUAL		SINGLES D.P.		FT.		SIZE		WEIGHT																					
REAMING		D.C.				MFG.		VISC.-SEC																					
CONDITIONING MUD & CIRCULATING		I.D. O.D.		FT.		TYPE		W.L.-C.C.																					
TRIPS		D.C.				NOZZLE		FLTR. CK.																					
LUBRICATE RIG		I.D. O.D.		FT.		NO. SIZE		PH																					
DEVIATION SURVEY		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %																					
TEST B.O.P.		STB. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT																					
CUT OFF DRILLING LINE		RWR. BODY O.D.		FT.		DEPTH IN																							
PAIR RIG		SUBS O.D.		FT.		TOTAL FTG.		MUD & CHEMICALS ADDED																					
CORING		BIT OR C.B.		FT.		TOTAL HR. RUN		TYPE AMT. TYPE AMT.																					
WIRE LINE LOGGING		KELLY DOWN		FT.		COND. OF BIT																							
RUNNING CASING & CEMENTING		TOTAL		FT.		REAMER NO.		REAMER TYPE																					
WAITING ON CEMENT		WT. OF STRING		LBS.		DRILLER																							
DRILL STEM TEST		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR. D R.M. R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO. LINER SIZE S.P.M.		PUMP NO. LINER SIZE S.P.M.		METHOD RUN SCL-S PAR-EL-P COM'D-C	
OTHER		STANDS D.P.		FT.		BIT NO.		TIME		FROM		TO																	
FISHING		SINGLES D.P.		FT.		SIZE		WEIGHT																					
A. PERFORATING		D.C.				MFG.		VISC.-SEC																					
B. TUBING TRIPS		I.D. O.D.		FT.		TYPE		W.L.-C.C.																					
C. SWABBING		D.C.				NOZZLE		FLTR. CK.																					
D. TESTING		I.D. G.D.		FT.		NO. SIZE		PH																					
E. ADDITIONAL		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %																					
TOTALS		STB. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT																					
TIME SUMMARY (OFFICE USE ONLY)		RWR. BODY O.D.		FT.		DEPTH IN																							
DAY WORK		SUBS O.D.		FT.		TOTAL FTG.		MUD & CHEMICALS ADDED																					
HRS. W/DP		BIT OR																											

DATE July 25/62

DATE July 25/69

[illegible]

DATE Jul. 24 69

REC 1500' MUNDY S.W. 1242 S.W.
H.P. 1270 BIP 1255 FP 925/1255 BIP 1255

DATE July 23 1969

LEASE

Trial B.P. Acc. CG Home River

DIST Gene Reiser

12.63.5

STATE Florida

RIG NO.

DRILL PIPE STRING		TOOL JOINT	25" O.D.
NO.	SIZE		

PLIMP

LAST
CASING
TUBING
OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARK
10 3/4	10	#	2	20			

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	National	K-380	14"
2.	National	K-380	14"
3.			

6/2/44

B. Helena

THE DISTRIBUTION HOUSE

[illegible]

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7 1/2	2	
REAMING			
CONDITIONING MUD & CIRCULATING		5	4 3/4
TRIPS		1	1 3/4
LUBRICATE RIG	1/4		
DEVIATION SURVEY	1/4		1/4
TEST S.O.P.			
CUT OFF DRILLING LINE			
RAIR RIG			
CORING			
WIRE LINE LOGGING			1 1/4
RUNNING CASING & CEMENTING			
WAITING ON			

PERSON			
DRILL STEM TEST			

OTHER			
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FISHING

COMPLETION WORK	A. PERFORATING			
	B. TUBING TRIPS			
	C. SHABBING			
	D. TESTING			
	E. ADDITIONAL			

TOTALS	3	8	3
TIME SUMMARY (OFFICE USE ONLY)			

DAY WORK				
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HRS. W/DP

HRS. WO/DP			
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HDC STANDBY			
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[illegible][illegible]

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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TOTAL DAY WORK		
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WIRE LINE RECORD

REEL NO. _____

NO. OF LINES	DATE
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FILE: COT OFF

PRESENT LENGTH

SINCE LAST CUT

CUMULATIVE
TON MI. OR TRIPS

[illegible]

CUMULATIVE
DRAINAGE

[illegible]

DRILLING ASSEMBLY AT END OF TOUR			BIT RECORD		MUD RECORD		FOOTAGE		DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
STANDS D.P.		FT.	BIT NO.		TIME		FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGL-S PAR-P COM-C
34	D.C.	3202.45 FT.	SIZE	6	7 ³⁰	9.1	3800	FTD			STRAP OUT 980'	53	925	5 1/2	10				
18	I.D. C.D.	534.70 FT.	MFG.	11W	VISC-SEC	50					PIPE TAIL 380' 37	X							
	D.C.		TYPE	155H	W.L.-C.C.	10.2					DIFF 2.16				14				
	I.D. C.D.		NOZZLE	NO. 2-11	FLTR. CK	7/32	DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION			
2	STB. BODY O.D.	14.51 FT.	SIZE	1-20	PH	10.5	3800	11 1/2											
	STB. BODY O.D.		SER. NO.	8836	SO. CONT. %		TIME LOG	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS										
1	RMR. BODY O.D.	4.69 FT.	DEPTH OUT	3800	PRESSURE GRADIENT		FROM TO												
2	SUBS O.D.	6.54 FT.	DEPTH IN	3087			8:45 8:45	4 3/4	CIRC & CONDITION MUD To LOC										
	BIT OR C.B.		DEPTH IN	3087			8:45 9:00	1/4	SURVEY										
			TOTAL FTG.	713			9:00 10:45	1 3/4	HOUS + STRAP OUT To LOC lay down STABILIZERS										
			TOTAL HP. RUN	62 1/4	MUD & CHEMICALS ADDED		10:45 12:00	1 1/4	RIE + LOC 121 SCA/LUMBER/COR										
	KELLY DOWN	36.81 FT.	COND. OF BIT	1-1-1	TYPE AMT. TYPE AMT.	GEL 1000# PLASTER 50#													
	TOTAL	3800.00 FT.	REAMER NO.	3195	KEIRGN 100# SANDUST 10 SAX														
	WT. OF STRING	90,000 LBS.	REAMER TYPE	DAICO	DRILLER	612 LAMUNOM													

DAILY DRILLING REPORT

REPORT NO. 19

DATE

July 22/68

OPERATOR		LEASE		WELL NO.		FIELD OR DIST.		COUNTY		STATE																					
TRIAD OIL CO.		TRIAD B.P. AREA "HOME RIVER"		455		HOME RIVER		N.W.T.		CANADA																					
CONTRACTOR		RIG NO.	DRILL PIPE STRING	TOOL JOINT	5" O.D.	PUMPS		LAST CASING TUBING OR LINER		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS														
S & T DRILLING (WESTERN) CO. LTD.			2 1/2"	TYPE THD. 3 1/2"		1	NSCO	K. 380	14"	13 1/2"	JAP	42" H40	3	92.02		90.7	CEMENT TO SURFACE														
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER																													
L. L. Anderson		B. J. Salinger																													
TIME DISTRIBUTION - HOURS				NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR. D. R.M.R. CORE - C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
				31		STANDS D.P. 3922.21 FT.		BIT NO. 6		TIME 2:00 4:30 6:00		FROM 3415		TO 3515		D				45		25		900		5 1/2		70		5 1/2	
RIGUP & TEAR DOWN						SINGLES D.P. FT.		SIZE 7 7/8		WEIGHT 91 91 91																					
DRILLING ACTUAL				7 1/2 7 1/2 8		D.C. 534.70 FT.		MFG. H.W.		VISC.-SEC 40 38 40																					
REAMING						D.C.		TYPE X55R		W.L.-CC 13 13.6 13.6																					
CONDITIONING MUD & CIRCULATING						I.D. O.D. FT.		NOZZLE NO. 2-11		FLTR. CK. 2 1/2 2 1/2 2 1/2																					
TRIPS						STB. BODY O.D. 14.81 FT.		SER. NO. 8836		PH 9.5 9.5 9.5																					
LUBRICATE RIG				1/4 1/4		STB. BODY O.D. FT.		DEPTH OUT 1N		PRESSURE GRADIENT																					
DEVIATION SURVEY				1/4 1/4		RMR. BODY O.D. 4.69 FT.		DEPTH IN 3087																							
TEST S.O.P.						SUBS O.D. 6.54 FT.		TOTAL FTG. 428		MUD & CHEMICALS ADDED																					
CUT OFF DRILLING LINE						BIT OR C.B. FT.		TOTAL HR. RUN 37 1/4		GEL 500#																					
PAIR RIG						KELLY DOWN 31.87 FT.		COND. OF BIT RUN		KELCAN 50#																					
CORING						TOTAL 3515.00 FT.		REAMER NO. 31.96		CAUSTIC 60#																					
WIRE LINE LOGGING						WT. OF STRING 88M LBS.		REAMER TYPE DRILCO		DRILLER E. J. Anderson																					
PUMPING CASING & CEMENTING																															
WAITING ON CEMENT																															
DRILL STEM TEST																															
OTHER																															
FISHING																															
CALCULATION WORK																															
A. PERFORATING																															
B. TUBING TRIPS																															
C. SWABBING																															
D. TESTING																															
E. ADDITIONAL																															
TOTALS				5 8 8																											
TIME SUMMARY (OFFICE USE ONLY)																															
DAY WORK																															
HRS. W/DP																															
HRS. NO/DP																															
HRS. STANDBY																															
TOTAL DAY WORK																															
WIRE LINE RECORD																															
REEL NO.																															
NO. OF LINES																															
FEET SLIPPED																															
FEET CUT OFF																															
PRESENT LENGTH																															
TON. OR TRIPS SINCE LAST CUT																															
CUMULATIVE TON. OR TRIPS																															
NO. OF DAYS FROM SPOD																															
CUMULATIVE ROTATING HRS.																															

July 21/8

OPERATOR TRIAD OIL CO		LEASE TRIAD B.P. ARCO ec HUME RIVER		WELL NO. H-53		FIELD OR DIST. HOME RIVER		COUNTY H.W.T.		STATE CANADA						
CONTRACTOR S & T DRILLING (WESTERN) CO. LTD.		RIG NO. 1E	DRILL PIPE STRING NO. 2 SIZE 4" TYPE THD. 3 1/2"	TOOL JOINT 5 O.D. 1 1/2"	PUMPS NO. 1 MANUFACTURER NSCO TYPE 1K 380 STROKE LENGTH 14" NO. 2 NSCO 1K 380 14" NO. 3			LAST CASING TUBING OR LINER	SIZE 13 3/8 JAP 2 1/2 JAP	MAKE W8 H40 24 JSS	WT. & GR. 3 92.02 13 535.69	NO. JOINTS 3 11.50	FEET 90.18 535.69	RKB. TO CSG. HD. 90.18 535.69	SET AT 90.18 535.69	REMARKS CEMENT TO SURFACE
SIGNATURE OF OPERATOR'S REPRESENTATIVE C. L. Shuler		SIGNATURE OF CONTRACTOR'S TOOL PUSHER U. B. Malaya														
TIME DISTRIBUTION—HOURS		MORN		DAY		EVE										
RIG UP & TEAR DOWN																
DRILLING ACTUAL		7 1/2		7 1/2		2 3/4										
REAMING																
CONDITIONING MUD & CIRCULATING																
TRIPS																
LUBRICATE RIG		1/4		1/4												
DEVIATION SURVEY		1/4		1/4		1/4										
TEST E.O.P.																
CUT OFF DRILLING LINE																
PAIR RIG																
CORING																
WIRE LINE LOGGING																
RUNNING CASING & CEMENTING																
WAITING ON CEMENT																
DRILL STEM TEST																
OTHER																
FISHING																
COMPLETION WORK																
A. PERFORATING																
B. TUBING TRIPS																
C. SWABING																
D. TESTING																
E. ADDITIONAL																
TOTALS		8		8												
TIME SUMMARY (OFFICE USE ONLY)																
DAY WORK																
HRS. W/DP																
HRS. WO/DP																
HRS. STANDBY																
TOTAL DAY WORK																
WIRE LINE RECORD																
REEL NO.																
NO. OF LINES																
SIZE																
FEET SLIPPED																
FEET CUT OFF																
PRESENT LENGTH																
TON MI. OR TRIPS SINCE LAST CUT																
CUMULATIVE TON MI. OR TRIPS																
NO. OF DAYS FROM SPUD																
CUMULATIVE POTATING HRS.																
MORNING TOUR																
DAY TOUR																
EVENING TOUR																

DATE July 20 1969

Gained about 3.5 lbs of fluid on Trip

DATE 7-18-60

Last app. 75 BBLs fluid In Formation

DAILY DRILLING REPORT

REPORT NO. 13

DATE July 16 1969

OPERATOR		LEASE		WELL NO.		FIELD OR DIST.		COUNTY		STATE																					
Lind Oil Co		Lind B.D. CRGO Hume R		A-53		Hume River		N.W.T.		Canada																					
CONTRACTOR		RIG NO.	DRILL PIPE STRING	TOOL JOINT	PUMPS		LAST CASING TUBING OR LINER		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS															
S & T DRILLING (WESTERN) CO. LTD.		1E	NO. 2	5" O.D.	NO. 1 MANUFACTURER TYPE STROKE LENGTH		1. National K-390 14"		13 3/8	JAP	48 H40	3	92.02		9018																
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		NO. 2 TYPE THD. 3 1/2 IF		2. National K-390 14"		8 1/2		JAP	24 5SS	13	535.69	12.50	535.69	Completed to Surface															
L.B. Hume		B. Hume																													
TIME DISTRIBUTION-HOURS		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR-D R.M.P. CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000 #		PUMP PRESS		PUMP NO. 1		PUMP NO. 2		METHOD RUN			
RIG UP & TEAR DOWN		17		STANDS D.P. 1604.16 FT.		BIT NO. 4		TIME 2.00 4.00 6.00		FROM 8073		TO 2187		D						45		25		1300		5 1/2		70		5 1/2	
DRILLING ACTUAL		18		SINGLES D.P. 6 1/4		SIZE 7 7/8		WEIGHT 8.9 8.9 8.9		VISC.-SEC 34 36 35		W.L.-C.C. 132 130 130		FLTR. CK. 3/32 3/32 3/32		PH 9.5 9.5 9.5		SD. CONT. %													
REAMING		18		D.C. 2 1/2		MFG. H.W.		TYPE X55R		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume	
CONDITIONING MUD & CIRCULATING		18		D.C. 2 1/2		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
TRIPS		2		STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
LUBRICATE RIG		1/4		STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
DEVIATION SURVEY		1/4		STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
TEST B.O.P.				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
CUT OFF DRILLING LINE				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
FAIR RIG				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
CORING				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
WIRE LINE LOGGING				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
RUNNING CASING & CEMENTING				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
WAITING ON CEMENT				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
DRILL STEM TEST				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
OTHER				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
FISHING				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
COMPLETION WORK				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
A. PERFORATING				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
B. TUBING TRIPS				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
C. SWABBING				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
D. TESTING				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
E. ADDITIONAL				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
TOTALS		8		STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
TIME SUMMARY (OFFICE USE ONLY)				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
DAY WORK				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
HRS. W/DP				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
HRS. WO/DP				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
HRS. STANDBY				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
TOTAL DAY WORK				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
WIRE LINE RECORD				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
REEL NO.				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
NO. OF LINES				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
SIZE				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
FEET SLIPPED				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
FEET CUT OFF				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
PRESENT LENGTH				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
TON ML. OR TRIPS SINCE LAST CUT				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
CUMULATIVE TON ML. OR TRIPS				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
NO. OF DAYS FROM SPUD				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
CUMULATIVE ROTATING HRS.				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER NO. 3195		REAMER TYPE Drillco		DRILLER E.W. Hume					
				STB. BODY O.D. 14.81 FT.		NO. 2-11		SIZE 1-12		SER. NO. 8833		DEPTH OUT 1N		DEPTH IN 1953		TOTAL FTG. 234		TOTAL HR. RUN 16 1/2		COND. OF BIT Run		REAMER									

DAILY DRILLING REPORT										REPORT NO. 12										DATE July 15 67																																							
OPERATOR TRIAD Oil Co										LEASE TRIAD B.P. ARCO Hume R										WELL NO. A53										FIELD OR DIST. Hume River										COUNTY N.W.T.										STATE CANADA									
CONTRACTOR S & T DRILLING (WESTERN) CO. LTD.										RIG NO. 1E										DRILL PIPE STRING NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1527 1528 1529 1530 1531 1532 1533 1534 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1547 1548 1549 1550 1551 1552 1553 1554 1555 1556 1557 1558 1559 1560 1561 1562 1563 1564 1565 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1576 1577 1578 1579 1580 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1592 1593 1594 1595 1596 1597 1598 1599 1600 1601 1602 1603 1604 1605 1606 1607 1608 1609 1610 1611 1612 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1813 1814 1815 1816 1817 1818 1819 1820 1821 1822 1823 1824 1825 1826 1827 1828 1829 1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841 1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2																																							

OPERATOR		LEASE		REPORT NO.		DATE		WELL NO.		FIELD OR DIST.		COUNTY		STATE																																	
TRIAD Oil Co		TRIAD BP ARCO CC Hume R.		A-53		HUME RIVER		N.W.T																																							
CONTRACTOR		RIG NO.		DRILL PIPE STRING		TOOL JOINT		PUMPS		LAST CASING TUBING OR LINER		SIZE		MAKE		WT. & GR.		NO. JOINTS		FEET		RKB. TO CSG. HD.		SET AT		REMARKS																					
S & T DRILLING (WESTERN) CO. LTD.		1E		2 4		TYPE THD. 3 1/2 IF		NO.		MANUFACTURER		TYPE		STROKE LENGTH		13 1/8 JAP		48" H40		3		92.02		90.19																							
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		1		NSCO		K-380		14		2		NSCO		K-380		14		8 5/8 JAP		24" J55		13		535.69		12.50 535.69 CEMENT TO SURFACE																			
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		1		NSCO		K-380		14		2		NSCO		K-380		14		8 5/8 JAP		24" J55		13		535.69		12.50 535.69 CEMENT TO SURFACE																			
TIME DISTRIBUTION-HOURS		MORN		DAY		EVE		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR-D RML-R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO. 1		PUMP NO. 2		METHOD RUN													
RIG UP & TEAR DOWN		7 1/4		7 1/2		7 1/2		1		STANDS D.P.		547.26 FT.		BIT NO.		RR#3		TIME		1 00		4 00		7 00		FROM		TO		D		FUEL @ 7 00 AM - 6 2"		45		25		1400		5 1/2		70		5 1/2		5	
DRILLING ACTUAL		7 1/4		7 1/2		7 1/2		2		SINGLES D.P.		62.87 FT.		SIZE		7 7/8		WEIGHT		9.5		9.5		9.5		1365		1506		D		FUEL @ 7 00 AM - 6 2"		45		25		1400		5 1/2		70		5 1/2		5	
REAMING								18		LD. O.D.		534.70 FT.		MFG.		H.W.		VISC-SEC		37		55		48																							
CONDITIONING MUD & CIRCULATING								18		LD. O.D.		534.70 FT.		TYPE		X55R		W.L.-CC		7.6		7.0																									
TRIPS								2		STB. BODY O.D.		14.81 FT.		NOZZLE		NO. 3		FLTR. CK.		7/32		7/32																									
LUBRICATE RIG		1/4						1		STB. BODY O.D.		14.81 FT.		SER. NO.		11081		SD. CONT. %																													
DEVIATION SURVEY		1/2		1/2		1/2		2		STB. BODY O.D.		14.81 FT.		DEPTH OUT		IN		PRESSURE GRADIENT																													
TEST S.O.P.								1		STB. BODY O.D.		14.81 FT.		DEPTH IN		1117																															
CUT OFF DRILLING LINE								2		STB. BODY O.D.		14.81 FT.		TOTAL FTG.		389		MUD & CHEMICALS ADDED																													
PAIR RIG								1		STB. BODY O.D.		14.81 FT.		TOTAL HR. RUN		29 1/4		KELZAN 100# CAUSTIC		50#																											
CORING								2		STB. BODY O.D.		14.81 FT.		COND. OF BIT		RUN		GEL 500# DOMICIDE		10#																											
WIRE LINE LOGGING								1		STB. BODY O.D.		14.81 FT.		REAMER NO.		3195		PLASTER 50#																													
RUNNING CASING & CEMENTING								2		STB. BODY O.D.		14.81 FT.		REAMER TYPE		DANCE		DRILLER		B. H. H. H.																											
WAITING ON CEMENT								1		STB. BODY O.D.																																					

DATE JULY 12/69

OPERATOR TRIAD DRILLING CO.							LEASE TRIAD B.P ARCO CC Hume R						WELL NO. H-53								FIELD OR DIST. HUME RIVER									COUNTY N.W.T.							STATE CANADA											
CONTRACTOR S & T DRILLING (WESTERN) CO. LTD.							RIG NO. 1E	DRILL PIPE STRING NO. SIZE 2 4 TYPE THD. 3 1/2 IF			TOOL JOINT 5 O.D.			PUMPS NO. MANUFACTURER TYPE STROKE LENGTH 1 NSCO K-380 14 2 NSCO K-380 14 3					LAST CASING TUBING OR LINER		SIZE 13 3/8 JAP	MAKE JAP	WT. & GR. 48# H40	NQ. JOINTS 3	FEET 92.02	RKB TO CSG. HD. 12.50	SET AT 90.19	REMARKS CEMENT TO SURFACE																				
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>C.L. Anderson</i>							SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>L.B. Halenka</i>																																									
TIME DISTRIBUTION - HOURS							MORN			DAY			EVE																																			
RIG UP & TEAR DOWN																																																
DRILLING ACTUAL							5 1/4			3 3/4																																						
REAMING							1 1/2																																									
CONDITIONING MUD & CIRCULATING							1 1/2																																									
TRIPS							1 1/2			1			2 3/4																																			
LUBRICATE RIG							1/4			1/4																																						
DEVIATION SURVEY							1/4			1/4																																						
TEST S.O.P.							1/4																																									
CUT OFF DRILLING LINE																																																
PAIR RIG																																																
CORING																																																
WIRE LINE LOGGING																																																
RUNNING CASING & CEMENTING																																																
WAITING ON CEMENT																																																
DRILL STEM TEST										4																																						
OTHER							1/2			1 1/4			1 1/4																																			
FISHING																																																
A. PERFORATING																																																
B. TUBING TRIPS																																																
C. SWABBING																																																
D. TESTING																																																
E. ADDITIONAL																																																
TOTALS							8			8			8																																			
TIME SUMMARY (OFFICE USE ONLY)																																																
DAY WORK																																																
HRS. W/DP																																																
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HRS. STANDBY																																																
TOTAL DAY WORK																																																
WIRE LINE RECORD																																																
REEL NO.																																																
NO. OF LINES																																																
SIZE																																																
FEET SLIPPED																																																
FEET CUT OFF																																																
PRESENT LENGTH																																																
TON MI. OR TRIPS SINCE LAST CUT																																																
CUMULATIVE TON MI. OR TRIPS																																																
NO. OF DAYS FROM SPUD																																																
CUMULATIVE ROTATING HRS.																																																
NO.							DRILLING ASSEMBLY AT END OF TOUR			BIT RECORD			MUD RECORD			FOOTAGE			DR-D RM-L CORE-C			CORE NO.			FORMATION (SHOW CORE RECOVERY)			ROTARY RPM			WT. ON BIT 1000#			PUMP PRESS			PUMP NO. 1			PUMP NO.			METHOD RUN					
STANDS D.P.							465.52 FT.			BIT NO. 2RR 3			TIME 12 ⁰⁰ 5 ⁰⁰ 7 ⁰⁰			FROM 1035			TO 1078			D						85			20			1550			5 1/2			70			S					
SINGLES D.P.							31.68 FT.			SIZE 7 7/8 7 7/8			WEIGHT 9.3 9.4 9.5																																			
D.C.										MFG. H.W. H.W.			VISC.-SEC 37 47 48																																			
I.D. O.D.							534.70 FT.			TYPE OD-J XSSR			W.L.-CC 7.6 6.0																																			
ID. O.D.										NOZZLE NO. F-10 3			FLTR. CK 2/32 2/32																																			
STB. BODY O.D.							14.81 FT.			SER. NO. 10956 11081			SD. CONT. %																																			
STB. BODY O.D.										DEPTH OUT 1038			PRESSURE GRADIENT																																			
RM.R. BODY O.D.							4.69 FT.			DEPTH IN 829 1038																																						
SUBS O.D.							6.54 FT.			TOTAL FTG. 209 40			MUD & CHEMICALS ADDED																																			
BIT OR C.B.										TOTAL HR. RUN 17 1/2 43/4			GEL 500 CAUSTIC 50																																			
KELLY DOWN							17.39 FT.			COND. OF BIT 4-41 RUN			KEIZAN 100 Downside 10																																			

[illegible]

DAILY DRILLING REPORT

REPORT NO. 1

DATE JUL 10/69

OPERATOR		LEASE		WELL NO.		FIELD OR DIST.		COUNTY		STATE															
TRIAD OIL CO.		TRIAD B.P. ARCO C.C. HUME R.		H-33		HUME RIVER		NWT		CANADA															
CONTRACTOR		RIG NO.	DRILL PIPE STRING	TOOL JOINT	PUMPS		LAST CASING TUBING OR LINER		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS									
S & T DRILLING (WESTERN) CO. LTD.		1E	NO. 2	SIZE 4	TYPE THD. 3 1/2 IF	NO. 1	MANUFACTURER NSCO	TYPE K-380	STROKE LENGTH 14	13 3/8	JAP	48 1/4	3	92.02	90.19										
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER				NO. 2	MANUFACTURER NSCO	TYPE K-380	STROKE LENGTH 14	8 7/8	JAP	24 1/2	13	535.69	535.69	CEMENT TO SURFACE									
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER																							
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER																							
TIME DISTRIBUTION-HOURS				DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO. 1		PUMP NO. 2		METHOD RUN	
				NO.	STANDS D.P.	280.04 FT.	BIT NO.	2	TIME	7:00	FROM	TO	DR-D RM-R CORE-C	CORE NO.											
RIG UP & TEAR DOWN				2	SINGLES D.P.	62.45 FT.	SIZE	7 7/8	WEIGHT	9.3															
DRILLING ACTUAL				15	D.C.	447.78 FT.	MFG.	H.W.	VISC-SEC	4.8															
REAMING				1 1/2	I.D. O.D.		TYPE	ODVJ	W.L.-CC	7.6															
CONDITIONING MUD & CIRCULATING				1/4	D.C.		NOZZLE	NO. 1-10	FLTR. CK.	3/32															
TRIPS				1 1/2	I.D. O.D.		SIZE	2-11	PH	11.0															
LUBRICATE RIG				1/4	STB. BODY O.D.		SER. NO.	10956	SD. CONT. %																
DEVIATION SURVEY					STB. BODY O.D.		DEPTH OUT		PRESSURE GRADIENT																
TEST S.O.P.					RMR. BODY O.D.	4.69 FT.	DEPTH IN	796																	
CUT OFF DRILLING LINE					SUBS O.D.	6.54 FT.	TOTAL FTG.	21	MUD & CHEMICALS ADDED																
PAIR RIG					BIT OR C.B.		TOTAL HR. RUN	1 1/2	TYPE																
CORING				4 1/2	KELLY DOWN	15.50 FT.	COND. OF BIT	RUN																	
WIRE LINE LOGGING					TOTAL	517.00 FT.	REAMER NO.																		
RUNNING CASING & CEMENTING					WT. OF STRING	56 000 LBS.	REAMER TYPE		DRILLER																
WAITING ON CEMENT																									
DRILL STEM TEST				3 1/4																					
OTHER				1 3/4																					
FISHING																									
COMPLETION WORK																									
A. PERFORATING																									
B. TUBING TRIPS																									
C. SWABBING																									
D. TESTING																									
E. ADDITIONAL																									
TOTALS				8	8	8																			
TIME SUMMARY (OFFICE USE ONLY)																									
DAY WORK																									
HRS. W/DP																									
HRS. W/O/DP																									
HRS. STANDBY																									
TOTAL DAY WORK																									
WIRE LINE RECORD																									
REEL NO.																									
NO. OF LINES																									
SIZE																									
FEET SLIPPED																									
FEET CUT OFF																									
PRESENT LENGTH																									
TON MI. OR TRIPS SINCE LAST CUT																									
CUMULATIVE TON MI. OR TRIPS																									
NO. OF DAYS FROM SPUD																									
CUMULATIVE ROTATING HRS.																									
TOTAL																									
WT. OF STRING																									
LBS.																									
REAMER TYPE																									
DRILLER																									
CHECKED FIRE EXTINGUISHERS - 6-OK.																									

DATE July 9/69

		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR-D RM-R CORE-C		CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. /		PUMP NO.		METHOD RUN SGL-S PAR-P COM-DC		
				STANDS D.P.	FT.	BITS NO.	IC	TIME	S.C.	FROM	TO										LINER SIZE	S.P.M.	LINER SIZE	S.P.M.		
TOTAL DAY WORK				D.C.	FT.	SIZE	6 3/4	WEIGHT	9.4	822	829	E	I			RECOVERED 33'	72	1000	500	5 1/2	44					
WIRE LINE RECORD				D.C.	FT.	MFG.	A.S.C.	VISC-SEC	70												X					
REEL NO.				I.D. O.D.	FT.	TYPE	4	WL-C.C.	8.8												14					
NO. OF LINES				D.C.	FT.	NOZZLE	NO.	FLTR. CK		DEVIATION RECORD		DEPTH		DEV.	DIRECTION		DEPTH		DEV.	DIRECTION		DEPTH		DEV.	DIRECTION	
SIZE				I.D. O.D.	FT.	NOZZLE	SIZE	PH	12	TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS												
FEET SLIPPED				STB. BODY O.D.	FT.	SER. NO.	6574	SD CONT. %		FROM	TO															
FEET CUT OFF				STB. BODY O.D.	FT.	DEPTH OUT	829	PRESSURE GRADIENT		4:00	6:30	2 1/2	CUTTING CORP #1													
PRESENT LENGTH				RMR. BODY O.D.	FT.	DEPTH IN	79 1/2			6:30	7:00	1/2	Work Journal Core BRH													
TON MI. OR TRIPS SINCE LAST CUT				SUBS O.D.	FT.	TOTAL FTG.	33			7:00	8:30	1 1/2	Main Core BRH													
CUMULATIVE TON MI. OR TRIPS				BIT OR C.B.	FT.	TOTAL HR. RUN	14 1/2			8:30	9:00	1/2	RECOVER CORE P 1 - FULL RECOVERY													
NO. OF DAYS FROM SPUD					FT.	COND. OF BIT	Good			9:00	10:45	1 3/4	Pick Up Packer													
CUMULATIVE ROTATING HRS.				KELLY DOWN	FT.	REAMER NO.				10:45	11:15	1/2	Run in w/ packer													
				TOTAL	FT.	REAMER TYPE				11:15	11:30	1/4	MAKE UD TESTING HEAD													
				WT. OP STRING	LBS.			DRILLER	B. Smith	11:30	12:00	1/2	TEST 10T 2-11													

DAILY DRILLING REPORT

REPORT NO. 5

DATE JULY 8/69

OPERATOR

LEASE

TRIAD OIL CO

TRIAD BP ARCO C.C. HOME R

WELL NO.
A-53

FIELD OR DIST.

HOME RIVER

COUNTY

N.W.T.

STATE

CANADA

CONTRACTOR

S & T DRILLING (WESTERN) CO. LTD.

RIG NO.

1E

DRILL PIPE

STRING

TOOL JOINT

5

O.D.

PUMPS

NO.

MANUFACTURER

TYPE

STROKE

LENGTH

LAST CASING
TUBING
OR LINER

SIZE

MAKE

WT. & GR.

NO. JOINTS

FEET

RKB. TO

CSG. HD.

SET AT

REMARKS

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

TIME DISTRIBUTION - HOURS

MORN DAY EVE

RIG UP & TEAR DOWN

DRILLING ACTUAL

REAMING

CONDITIONING MUD & CIRCULATING

TRIPS

LUBRICATE RIG

DEVIATION SURVEY

TEST B.O.P.

CUT OFF DRILLING LINE

PAIR RIG

CORING

WIRE LINE LOGGING

SPINNING CASING & CEMENTING

WAITING ON CEMENT

DRILL STEM TEST

OTHER

CLEAN PERFORMANCES

B. TUBING TRIPS

C. SWABBING

D. TESTING

E. ADDITIONAL

TOTALS

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES

SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON ML OR TRIPS SINCE LAST CUT

CUMULATIVE TON ML OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

NO.

DRILLING ASSEMBLY

AT END OF TOUR

STANDS D.P.

SINGLES D.P.

D.C.

L.D. O.D.

D.C.

L.D. O.D.

STB. BODY O.D.

STB. BODY O.D.

RMR. BODY O.D.

SUBS O.D.

BIT OR C.B.

KELLY DOWN

TOTAL

WT. OF STRING

LBS.

NO.

STANDS D.P.

SINGLES D.P.

D.C.

L.D. O.D.

STB. BODY O.D.

STB. BODY O.D.

RMR. BODY O.D.

SUBS O.D.

BIT OR C.B.

KELLY DOWN

TOTAL

WT. OF STRING

LBS.

NO.

STANDS D.P.

SINGLES D.P.

D.C.

L.D. O.D.

STB. BODY O.D.

STB. BODY O.D.

RMR. BODY O.D.

SUBS O.D.

BIT OR C.B.

KELLY DOWN

TOTAL

WT. OF STRING

LBS.

NO.

STANDS D.P.

SINGLES D.P.

D.C.

L.D. O.D.

STB. BODY O.D.

STB. BODY O.D.

RMR. BODY O.D.

SUBS O.D.

BIT OR C.B.

KELLY DOWN

TOTAL

WT. OF STRING

LBS.

NO.

STANDS D.P.

SINGLES D.P.

D.C.

L.D. O.D.

STB. BODY O.D.

STB. BODY O.D.

RMR. BODY O.D.

SUBS O.D.

BIT OR C.B.

KELLY DOWN

TOTAL

WT. OF STRING

LBS.

BIT RECORD

BIT NO.

SIZE

MFG.

TYPE

NO.

SIZE

SER. NO.

DEPTH OUT

DEPTH IN

TOTAL FTG.

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

DRILLER

TIME

WEIGHT

VISC.-SEC

W.L.-CC

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

MUD & CHEMICALS ADDED

TYPE

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MUD & CHEMICALS ADDED

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MUD & CHEMICALS ADDED

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TYPE

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MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

MUD RECORD

TIME

WEIGHT

VISC.-SEC

W.L.-CC

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

MUD & CHEMICALS ADDED

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MUD & CHEMICALS ADDED

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MUD & CHEMICALS ADDED

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MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

FOOTAGE

FROM

TO

DR-D

RMR

CORE-C

CORE NO.

FORMATION

(SHOW CORE RECOVERY)

ROTARY RPM

WT. ON BIT 1000 #

PUMP PRESS

PUMP NO.

PUMP NO.

METHOD RUN

SGL'S

PARCEL-P

COM'D-C

TIME LOG

FROM

TO

ELAPSED TIME

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

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DIRECTION

DEPTH

DEV.

DIRECTION

DAILY DRILLING REPORT

REPORT NO. 1

DATE JULY 9/64

OPERATOR		LEASE		WELL NO.		FIELD OR DIST.		COUNTY		STATE	
TRIAD OIL CO		TRIAD BP ARCO CC Hume R		A-53		Hume River		NWT		CANADA	
CONTRACTOR		RIG NO.	DRILL PIPE STRING	TOOL JOINT	O.D.	PUMPS		LAST CASING TUBING OR LINER		REMARKS	
S & T DRILLING (WESTERN) CO. LTD.		15	2 1/4	5	3 1/2						
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		NO.		MANUFACTURER		TYPE		STROKE LENGTH	
L. L. Andrew		C. B. Salinger		1.		NSCO		K-380		14	
				2.		NSCO		K-380		14	
				3.							
TIME DISTRIBUTION-HOURS		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
MORN DAY EVE		STANDS D.P.		FT.		BIT NO.		TIME		FROM TO	
RIG UP 8 1		SINGLES D.P.		FT.		SIZE		WEIGHT			
DRILLING ACTUAL 4 1/2 3 1/4		D.C.		FT.		MFG.		VISC.-SEC			
REAMING 3		I.D. O.D.		FT.		TYPE		W.L.-C.C.			
CONDITIONING MUD & CIRCULATING		D.C.		FT.		NOZZLE		FLTR. CK.			
TRIPS		I.D. O.D.		FT.		NO.		PH			
LUBRICATE RIG		STB. BODY O.D.		FT.		SIZE		SD. CONT. %			
DEVIATION SURVEY 1/2		STB. BODY O.D.		FT.		SER. NO.		PRESSURE GRADIENT			
TEST B.O.P.		RMR. BODY O.D.		FT.		DEPTH OUT					
CUT OFF DRILLING LINE		SUBS O.D.		FT.		DEPTH IN					
PAIR RIG		BIT OR C.B.		FT.		TOTAL FTG.					
WORKING		KELLY DOWN		FT.		TOTAL HR. RUN					
WIRE LINE LOGGING		TOTAL		FT.		COND. OF BIT					
RUNNING CASING & CEMENTING 1 1/2		WT. OF STRING		LBS.		REAMER NO.					
WAITING ON CEMENT		REAMER TYPE				DRILLER					
DRILL STEM TEST		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
OTHER		STANDS D.P.		FT.		BIT NO.		TIME		FROM TO	
FISHING		SINGLES D.P.		FT.		SIZE		WEIGHT			
A. PERFORATING		D.C.		FT.		MFG.		VISC.-SEC			
B. TUBING TRIPS		I.D. O.D.		FT.		TYPE		W.L.-C.C.			
C. SWABBING		NOZZLE		FT.		NO.		FLTR. CK.			
D. TESTING		STB. BODY O.D.		FT.		SIZE		PH			
E. ADDITIONAL		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %			
TOTALS 8 8 8		RMR. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT			
TIME SUMMARY (OFFICE USE ONLY)		SUBS		FT.		DEPTH IN					
DAY WORK		BIT OR C.B.		FT.		TOTAL FTG.					
HRS. W/DP		KELLY DOWN		FT.		TOTAL HR. RUN					
HRS. WO/DP		TOTAL		FT.		COND. OF BIT					
HRS. STANDBY		WT. OF STRING		LBS.		REAMER NO.					
		REAMER TYPE				DRILLER					
TOTAL DAY WORK		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
WIRE LINE RECORD		STANDS D.P.		FT.		BIT NO.		TIME		FROM TO	
REEL NO.		SINGLES D.P.		FT.		SIZE		WEIGHT			
NO. OF LINES		D.C.		FT.		MFG.		VISC.-SEC			
SIZE		I.D. O.D.		FT.		TYPE		W.L.-C.C.			
FEET SLIPPED		NOZZLE		FT.		NO.		FLTR. CK.			
FEET CUT OFF		STB. BODY O.D.		FT.		SIZE		PH			
PRESENT LENGTH		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %			
TON M.L. OR TRIPS SINCE LAST CUT		RMR. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT			
CUMULATIVE TON M.L. OR TRIPS		SUBS		FT.		DEPTH IN					
NO. OF DAYS FROM SPUD		BIT OR C.B.		FT.		TOTAL FTG.					
CUMULATIVE ROTATING HRS.		KELLY DOWN		FT.		TOTAL HR. RUN					
		TOTAL		FT.		COND. OF BIT					
		WT. OF STRING		LBS.		REAMER NO.					
		REAMER TYPE				DRILLER					
		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
		STANDS D.P.		FT.		BIT NO.		TIME		FROM TO	
		SINGLES D.P.		FT.		SIZE		WEIGHT			
		D.C.		FT.		MFG.		VISC.-SEC			
		I.D. O.D.		FT.		TYPE		W.L.-C.C.			
		NOZZLE		FT.		NO.		FLTR. CK.			
		STB. BODY O.D.		FT.		SIZE		PH			
		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %			
		RMR. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT			
		SUBS		FT.		DEPTH IN					
		BIT OR C.B.		FT.		TOTAL FTG.					
		KELLY DOWN		FT.		TOTAL HR. RUN					
		TOTAL		FT.		COND. OF BIT					
		WT. OF STRING		LBS.		REAMER NO.					
		REAMER TYPE				DRILLER					
		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
		STANDS D.P.		FT.		BIT NO.		TIME		FROM TO	
		SINGLES D.P.		FT.		SIZE		WEIGHT			
		D.C.		FT.		MFG.		VISC.-SEC			
		I.D. O.D.		FT.		TYPE		W.L.-C.C.			
		NOZZLE		FT.		NO.		FLTR. CK.			
		STB. BODY O.D.		FT.		SIZE		PH			
		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %			
		RMR. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT			
		SUBS		FT.		DEPTH IN					
		BIT OR C.B.		FT.		TOTAL FTG.					
		KELLY DOWN		FT.		TOTAL HR. RUN					
		TOTAL		FT.		COND. OF BIT					
		WT. OF STRING		LBS.		REAMER NO.					
		REAMER TYPE				DRILLER					
		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
		STANDS D.P.		FT.		BIT NO.		TIME		FROM TO	
		SINGLES D.P.		FT.		SIZE		WEIGHT			
		D.C.		FT.		MFG.		VISC.-SEC			
		I.D. O.D.		FT.		TYPE		W.L.-C.C.			
		NOZZLE		FT.		NO.		FLTR. CK.			
		STB. BODY O.D.		FT.		SIZE		PH			
		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %			
		RMR. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT			
		SUBS		FT.		DEPTH IN					
		BIT OR C.B.		FT.		TOTAL FTG.					
		KELLY DOWN		FT.		TOTAL HR. RUN					
		TOTAL		FT.		COND. OF BIT					
		WT. OF STRING		LBS.		REAMER NO.					
		REAMER TYPE				DRILLER					
		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
		STANDS D.P.		FT.		BIT NO.		TIME		FROM TO	
		SINGLES D.P.		FT.		SIZE		WEIGHT			
		D.C.		FT.		MFG.		VISC.-SEC			
		I.D. O.D.		FT.		TYPE		W.L.-C.C.			
		NOZZLE		FT.		NO.		FLTR. CK.			
		STB. BODY O.D.		FT.		SIZE		PH			
		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %			
		RMR. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT			
		SUBS		FT.		DEPTH IN					
		BIT OR C.B.		FT.		TOTAL FTG.					
		KELLY DOWN		FT.		TOTAL HR. RUN					
		TOTAL		FT.		COND. OF BIT					
		WT. OF STRING		LBS.		REAMER NO.					
		REAMER TYPE				DRILLER					
		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
		STANDS D.P.		FT.		BIT NO.		TIME		FROM TO	
		SINGLES D.P.		FT.		SIZE		WEIGHT			
		D.C.		FT.		MFG.		VISC.-SEC			
		I.D. O.D.		FT.		TYPE		W.L.-C.C.			
		NOZZLE		FT.		NO.		FLTR. CK.			
		STB. BODY O.D.		FT.		SIZE		PH			
		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %			
		RMR. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT			
		SUBS		FT.		DEPTH IN					
		BIT OR C.B.		FT.		TOTAL FTG.					
		KELLY DOWN		FT.		TOTAL HR. RUN					
		TOTAL		FT.		COND. OF BIT					
		WT. OF STRING		LBS.		REAMER NO.					
		REAMER TYPE				DRILLER					
		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
		STANDS D.P.		FT.		BIT NO.		TIME		FROM TO	
		SINGLES D.P.		FT.		SIZE		WEIGHT			
		D.C.		FT.		MFG.		VISC.-SEC			
		I.D. O.D.		FT.		TYPE		W.L.-C.C.			
		NOZZLE		FT.		NO.		FLTR. CK.			
		STB. BODY O.D.		FT.		SIZE		PH			
		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %			
		RMR. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT			
		SUBS		FT.		DEPTH IN					
		BIT OR C.B.		FT.		TOTAL FTG.					
		KELLY DOWN		FT.		TOTAL HR. RUN					
		TOTAL		FT.		COND. OF BIT					
		WT. OF STRING		LBS.		REAMER NO.					
		REAMER TYPE				DRILLER					
		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
		STANDS D.P.		FT.		BIT NO.		TIME		FROM TO	
		SINGLES D.P.		FT.		SIZE		WEIGHT			
		D.C.		FT.		MFG.		VISC.-SEC			
		I.D. O.D.		FT.		TYPE		W.L.-C.C.			
		NOZZLE		FT.		NO.		FLTR. CK.			
		STB. BODY O.D.		FT.		SIZE		PH			
		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %			
		RMR. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT			
		SUBS		FT.		DEPTH IN					
		BIT OR C.B.		FT.		TOTAL FTG.					
		KELLY DOWN		FT.		TOTAL HR. RUN					
		TOTAL		FT.		COND. OF BIT					
		WT. OF STRING		LBS.		REAMER NO.					
		REAMER TYPE				DRILLER					
		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
		STANDS D.P.		FT.		BIT NO.		TIME		FROM TO	
		SINGLES D.P.		FT.		SIZE		WEIGHT			
		D.C.		FT.		MFG.		VISC.-SEC			
		I.D. O.D.		FT.		TYPE		W.L.-C.C.			
		NOZZLE		FT.		NO.		FLTR. CK.			
		STB. BODY O.D.		FT.		SIZE		PH			
		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %			
		RMR. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT			
		SUBS		FT.		DEPTH IN					
		BIT OR C.B.		FT.		TOTAL FTG.					
		KELLY DOWN		FT.		TOTAL HR. RUN					
		TOTAL		FT.		COND. OF BIT					
		WT. OF STRING		LBS.		REAMER NO.					
		REAMER TYPE				DRILLER					
		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
		STANDS D.P.		FT.		BIT NO.		TIME		FROM TO	
		SINGLES D.P.		FT.		SIZE		WEIGHT			
		D.C.		FT.		MFG.		VISC.-SEC			
		I.D. O.D.		FT.		TYPE		W.L.-C.C.			
		NOZZLE		FT.		NO.		FLTR. CK.			
		STB. BODY O.D.		FT.		SIZE		PH			
		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %			
		RMR. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT			
		SUBS		FT.		DEPTH IN					
		BIT OR C.B.		FT.		TOTAL FTG.					
		KELLY DOWN		FT.		TOTAL HR. RUN					
		TOTAL		FT.		COND. OF BIT					
		WT. OF STRING		LBS.		REAMER NO.					
		REAMER TYPE				DRILLER					
		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
		STANDS D.P.		FT.		BIT NO.		TIME		FROM TO	
		SINGLES D.P.		FT.		SIZE		WEIGHT			
		D.C.		FT.		MFG.		VISC.-SEC			
		I.D. O.D.		FT.		TYPE		W.L.-C.C.			
		NOZZLE		FT.		NO.		FLTR. CK.			
		STB. BODY O.D.		FT.		SIZE		PH			
		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %			
		RMR. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT			
		SUBS		FT.		DEPTH IN					

DATE 1.26.2 1764

OPERATOR		LEASE		REPORT NO.		DATE		WELL NO.		FIELD OR DIST.		COUNTY		STATE																					
CONTRACTOR		RIG NO.		DRILL PIPE		TOOL JOINT		PUMPS		LAST CASING		SIZE		MAKE		WT. & GR.		NO. JOINTS		FEET		RKB. TO		SET AT		REMARKS									
S & T DRILLING (WESTERN) CO. LTD.		1E		NO.		SIZE		TYPE THD.		NO.		MANUFACTURER		TYPE		STROKE LENGTH		LAST CASING		SIZE		MAKE		WT. & GR.		NO. JOINTS		FEET		RKB. TO		SET AT		REMARKS	
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		1.		NAT		K380		14		2.		NAT		K380		14		3.															
TIME DISTRIBUTION - HOURS		NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		FOOTAGE		DR. D		CORE NO.		FORMATION		ROTARY		WT. ON		PUMP		PUMP NO.		PUMP NO.		METHOD							
RIG UP & TEAR DOWN		STANDS D.P.		FT.		BIT NO.		TIME		FROM		TO		RM. R		NO.		RPM		BIT		PRESS		NO.		NO.		RUN							
DRILLING ACTUAL		SINGLES D.P.		FT.		SIZE		WEIGHT						CORE C						1000 #								SGL. S							
REAMING		D.C.				MFG.		VISC. - SEC																				PAR. L. P							
CONDITIONING MUD & CIRCULATING		I.D. O.D.		FT.		TYPE		W.L. - C.C.																				COND. C							
TRIPS		I.D. O.D.		FT.		NOZZLE		FLTR. CK.		DEVIATION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION							
LUBRICATE RIG		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %		TIME LOG		ELAPSED		TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																			
DEVIATION SURVEY		STB. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT		FROM		TO		TIME		Dig CELLAR LAY OUT WATER LINE																			
TEST E.O.P.		RMR. BODY O.D.		FT.		DEPTH IN				8:00		4:00		8		To CAMP 4. RIG.																			
CUT OFF DRILLING LINE		SUBS O.D.		FT.		TOTAL FTG.		MUD & CHEMICALS ADDED																											
PAIR RIG		BIT OR C.B.		FT.		TOTAL HR. RUN		COND. OF BIT																											
HOISTING		KELLY DOWN		FT.		REAMER NO.		REAMER TYPE		DRILLER																									
WIRE LINE LOGGING		TOTAL		FT.																															
RUNNING CASING & CEMENTING		WT. OF STRING		LBS.																															
WAITING ON CEMENT		NO.		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD		FOOTAGE		DR. D		CORE NO.		FORMATION		ROTARY		WT. ON		PUMP		PUMP NO.		PUMP NO.		METHOD							
DRILL STEM TEST		STANDS D.P.		FT.		BIT NO.		TIME		FROM		TO		RM. R		NO.		RPM		BIT		PRESS		NO.		NO.		RUN							
OTHER		SINGLES D.P.		FT.		SIZE		WEIGHT						CORE C														SGL. S							
FISHING		D.C.				MFG.		VISC. - SEC																				PAR. L. P							
A. PERFORATING		I.D. O.D.		FT.		TYPE		W.L. - C.C.		DEVIATION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION							
B. TUBING TRIPS		I.D. O.D.		FT.		NOZZLE		FLTR. CK.		TIME LOG		ELAPSED		TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																			
C. SWABBING		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %		8:00		4:00		8		Cubbing & Cementing in Cellar & digging ditches																			
D. TESTING		STB. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT								Hauling up drill Cellar & casing																			
E. ADDITIONAL		RMR. BODY O.D.		FT.		DEPTH IN																													
TOTALS		SUBS O.D.		FT.		TOTAL FTG.		MUD & CHEMICALS ADDED																											
TIME SUMMARY (OFFICE USE ONLY)		BIT OR C																																	

OPERATOR		LEASE		REPORT NO.		DATE		WELL NO.		FIELD OR DIST.		COUNTY		STATE															
CONTRACTOR		RIG NO.		DRILL PIPE STRING		TOOL JOINT		O.D.		PUMPS		LAST CASING TUBING OR LINER		SIZE		MAKE		WT. & GR.		NO. JOINTS		FEET		RKB. TO CSG. NO.		SET AT		REMARKS	
S & T DRILLING (WESTERN) CO. LTD.		1E		NO.		SIZE		TYPE THD.		NO.		MANUFACTURER		TYPE		STROKE LENGTH													
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		1.						2.																			
6.5.1969		N.B. Galenka																											
TIME DISTRIBUTION-MOORS		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR-D R.M.-R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000 #		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN SOL-S PAR-EL-P COM-D-C	
RIG UP & TEAR DOWN		MORN		DAY		EVE		STANDS D.P.		FT.		BIT NO.		TIME		WEIGHT													
DRILLING ACTUAL								SINGLES D.P.		FT.		SIZE		WEIGHT															
REAMING								D.C.				MFG.		VISC.-SEC															
CONDITIONING MUD & CIRCULATING								I.D. O.D.		FT.		TYPE		W.L.-C.C.															
TRIPS								D.C.				NOZZLE		FLTR. CK.															
LUBRICATE RIG								I.D. O.D.		FT.		NOZZLE		PH															
DEVIATION SURVEY								STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %															
TEST B.O.P.								STB. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT															
CUT OFF DRILLING LINE								RMR. BODY O.D.		FT.		DEPTH IN																	
PAIR RIG								SUBS O.D.		FT.		TOTAL FTG.		MUD & CHEMICALS ADDED															
LUBRICATING								BIT OR C.B.		FT.		TOTAL HR. RUN		TYPE		AMT.													
WIRE LINE LOGGING								KELLY DOWN		FT.		COND. OF BIT																	
RUNNING CASING & CEMENTING								TOTAL		FT.		REAMER NO.																	
WAITING ON CEMENT								WT. OF STRING		LBS.		REAMER TYPE		DRILLER															
DRILL STEM TEST																													
OTHER																													
FISHING																													
COMPLETION WORK																													
A. PERFORATING																													
B. TUBING TRIPS																													
C. SWABBING																													
D. TESTING																													
E. ADDITIONAL																													
TOTALS																													
TIME SUMMARY (OFFICE USE ONLY)																													
DAY WORK																													
HRS. W/DP																													

DAILY DRILLING REPORT

REPORT NO.

DATE JUNE 25

OPERATOR		LEASE		WELL NO.		FIELD OR DIST.		COUNTY		STATE	
TRIAD OIL CO. LTD.											
CONTRACTOR		RIG NO.		DRILL PIPE STRING		TOOL JOINT		PUMPS		LAST CASING TUBING OR LINER	
S & T DRILLING (WESTERN) CO. LTD.		1.E		NO. SIZE		O.D.		NO. MANUFACTURER TYPE STROKE LENGTH		SIZE MAKE WT. & GR. NO. JOINTS FEET RKB. TO CSG. HD. SET AT REMARKS	
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER									
G.E. Kulis		B. G. Galt									
TIME DISTRIBUTION-HOURS		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
MORN DAY EVE		STANDS D.P.		FT.		BIT NO.		TIME		FROM TO	
RIG UP & YEAR DOWN		SINGLES D.P.		FT.		SIZE		WEIGHT			
DRILLING ACTUAL		D.C.				MFG.		VISC.-SEC			
REAMING		I.D. O.D.		FT.		TYPE		W.L.-C.C.			
CONDITIONING MUD & CIRCULATING		D.C.				NOZZLE		FLTR. CK.			
TRIPS		I.D. O.D.		FT.		NO. SIZE		PH			
LUBRICATE RIG		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %			
DEVIATION SURVEY		STB. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT			
TEST B.O.P.		RMR. BODY O.D.		FT.		DEPTH IN					
CUT OFF DRILLING LINE		SUBS O.D.		FT.		TOTAL FTG.		MUD & CHEMICALS ADDED			
PAIR RIG		BIT OR C.B.		FT.		TOTAL HR. RUN		TYPE AMT. TYPE AMT.			
DRILLING		KELLY DOWN		FT.		COND. OF BIT					
WIRE LINE LOGGING		TOTAL		FT.		REAMER NO.		DRILLER			
RUNNING CASING & CEMENTING		WT. OF STRING		LBS.		REAMER TYPE		Don Swill			
WAITING ON CEMENT		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
DRILL STEM TEST		STANDS D.P.		FT.		BIT NO.		TIME		FROM TO	
OTHER		SINGLES D.P.		FT.		SIZE		WEIGHT			
FISHING		D.C.				MFG.		VISC.-SEC			
A. PERFORATING		I.D. O.D.		FT.		TYPE		W.L.-C.C.			
B. TUBING TRIPS		D.C.				NOZZLE		FLTR. CK.			
C. SWABBING		I.D. O.D.		FT.		NO. SIZE		PH			
D. TESTING		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %			
E. ADDITIONAL		STB. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT			
TOTALS		RMR. BODY O.D.		FT.		DEPTH IN					
TIME SUMMARY (OFFICE USE ONLY)		SUBS O.D.		FT.		TOTAL FTG.		MUD & CHEMICALS ADDED			
DAY WORK		BIT OR C.B.		FT.		TOTAL HR. RUN		TYPE AMT. TYPE AMT.			
HRS. W/DP		KELLY DOWN		FT.		COND. OF BIT					
HRS. WO/DP		TOTAL		FT.		REAMER NO.		DRILLER			
HRS. STANDBY		WT. OF STRING		LBS.		REAMER TYPE		Don Swill			
TOTAL DAY WORK		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE	
WIRE LINE RECORD		STANDS D.P.		FT.		BIT NO.		TIME		FROM TO	
REEL NO.		SINGLES D.P.		FT.		SIZE		WEIGHT			
NO. OF LINES		D.C.				MFG.		VISC.-SEC			
FEET SLIPPED		I.D. O.D.		FT.		TYPE		W.L.-C.C.			
FEET CUT OFF		D.C.				NOZZLE		FLTR. CK.			
PRESENT LENGTH		I.D. O.D.		FT.		NO. SIZE		PH			
TON MI. OR TRIPS SINCE LAST CUT		STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %			
CUMULATIVE TON MI. OR TRIPS		STB. BODY O.D.		FT.		DEPTH OUT		PRESSURE GRADIENT			
NO. OF DAYS FROM SPUD		RMR. BODY O.D.		FT.		DEPTH IN					
CUMULATIVE ROTATING HRS.		SUBS O.D.		FT.		TOTAL FTG.		MUD & CHEMICALS ADDED			
		BIT OR C.B.		FT.		TOTAL HR. RUN		TYPE AMT. TYPE AMT.			
		KELLY DOWN		FT.		COND. OF BIT					
		TOTAL		FT.		REAMER NO.		DRILLER			
		WT. OF STRING		LBS.		REAMER TYPE		Don Swill			

FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
JUNE 25-69							SGS PART-EL-P COMD-C
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		
8:00		8:00	12	Digging up floor & setting on hand rails			

FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
JUNE 26-69							SGS PART-EL-P COMD-C
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		
8:00		8:00	12	Level up water tanks hook up water lines			

FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
JUNE 27-69							SGS PART-EL-P COMD-C
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG		FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		
8:00		8:00	12	REBUILDING WATER & STEAM LINES IN SUB BASE CLEAN OUT MUD TANKS & WELD ON SAME			