CHEVRON C.S EBBUTT

G-72

Drilling Authority No. 363
Date Issued 3 March 1969

WELL NAME Chevron Co Abbott G-72
FIELD
LOCATION: Unit G Area:
Section 72 Grid 62-30, 122-15
Latitude 62-21-25 Longitude 122-28-38
From Established Reference Marker Topographic map

U.W.L.R. 62.35694 -- 122.47722
U.W.I. 300G726230122150

Rig Release Date: 5/4/69
Status
Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
March 3/69	Application for a Drilling Authority.
	Well Completion Data.
	Well History Report.
4/30/69	Application to Amend a Drilling Authority.
	Application to change a Well Name.
4/30/69	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
7/24/69	Well Completion Data.
	Work-over Report No.
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells — Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells — Vitter's Method.
	M.P.R. — Oil — Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report
	Logs. Large scale ..... Small scale .....

NANR 52-90 (7-65)

Drilling Authority No. 363
Date Issued March 3, 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.

APR 21 1969

Well name and number Chevron CS Ekbutt G-72

Permit No. Cities Service 4405 Lease No. -

Canada Cities Service Petroleum Corporation (Permittee, Licensee, Lessee) Exploratory Licence No. 1099

Chevron Standard Limited (Operator) Exploratory Licence No. 1106

Location Unit G Section 72 Grid 62° 30' N 122° 15' W

Latitude 62° 21' 25" North Longitude 122° 28' 38" West

From Established Reference Marker Topographic maps.

Universal Well Location Reference Lat 62.35694°N, Long 122.47722°W

	DATE	DEPTH
Spudded	Mar.9/69	-
Suspended	N/A	N/A
Resumed Operations	N/A	N/A
Finished Drilling	4/3/69	4235
Deepened	N/A	N/A
Complete (gas, oil)	N/A	N/A
Abandoned	Apr.5/69	4235
Rig released	Apr.5/69	4235

Pool(s) N/A

Interval(s) open to production N/A

Elevation: Gr. 1204 K.B. 1215

Rig No. 4

Drilling Contractor Tricity Drilling Co. Ltd.

Contractor's Business Licence No. A 2559

CASING RECORD

	Casing Size (Inches)	Grade	Weight	Amount	Set at -	Sacks of Cement and Additives
1.	8-5/8"	J-55	24#	409.04	420	315 Sax plus 3% $CaCl_2$
2.						
3.						
4.						
5.						
6.						

GEOLOGICAL TOPS	ELEVATION	
	Depths	Sub-Sea
Mahanni	1932	-717
Headless	2210	-1006
Landry	2375	-1171
Arnica	2550	-1346
Delorme	3260	-2056
Ronning	3325	-2121
Basal Clastics	4030	-2826
T.D. Log	4238	-3023
T.D. Driller	4235	-3020

CORE RECORD

From	To	Rec.	From	To	Rec.
2465	2510	43.0			
2565	2583	17.0			
2583	2599	15 8			
3340	3353	12.6			
3353	3400	45.7			

LOG RECORD

Run No.	Type of Log	From	To
1	Induction Electric	4237	437
1	Bore-Hole Compensated Gamma Ray Caliper	4235	437
1	Formation Density Caliper	4237	1800
1	Sidewall Neutron Porosity	4237	1800
1	Continuous Dipmeter	4234	1900
1	Porosity Lithology	4237	1800

IAND 52-90(2) (3-67)

CEMENTING RECORD (Plug, Squeeze, etc.)

Date	From	To	Remarks
3/11/69			315 sacks + 3% $CaCl_2$ to cement 8-5/8" casing
4/4/69	4235	3980	95 sacks not felt
4/4/69	3375	3200	70 sacks plus 3% $CaCl_2$ checked at 3170' after 6 hr.
4/5/69	2650	2500	70 sacks plus 3% $CaCl_2$ checked at 2485' after 6 hr.
4/5/69	485	275	90 sacks plus 3% $CaCl_2$ checked at 250'
4/5/69			5 sacks in top of surface casing.

PERFORATING RECORD (Bullet, Jet)

Date	From	To	Remarks

SERVICING RECORD (Acidizing, Fracing, etc.)

Date	From	To	Remarks

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.B.H.P.	F.S.I.B.H.P.	I.F.B.H.P.	F.F.B.H.P.	I.H.P.	F.H.P	REMARKS
1	3/20/69	Arnica	2545	2599	90	60	90	810	835	324	748	1169	1169	Recovered 1730 ft. of fluid consisting of 300 ft. salty, muddy water 1400 ft. salt water 30 ft. salty heavy mud No hydrocarbons.

Uncorrected Field Pressures.

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks
E-69-9748	Taken 500' above testing tool (Water)	2545	2599	DST #1 (Arnica)	Sample consisted of yellowish colcured water with a 10% layer of sediment.
CNP-1-9580	Core	2465	2510	Core #1	
		2565	2583	Core #2	
		2583	2599	Core #3	
		3340	3353	Core #4	
		3353	3400	Core #5	

PRESENT STATUS OF WELL

Oil		(Interval)
Gas		(Interval)
Dry		Abandoned
Susp.		

Company: Chevron Standard Limited

Signed by: [signature]

Title: Division Superintendent

Date: March 17, 1969

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

File No. 369
Drilling Authority No.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
Oil & Mineral Resource Management Division

Application to Abandon a Well ~~or Service Facility~~

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

Name and number of well: Chevron CS Ebbutt G-72

Location: Unit C, Section 72, 62°30'N 122°15'W

Latitude 62°21'25" North, Longitude 122°28'38" West

From Established Reference Marker: Topographic maps

Universal Well Number Reference: 62.35694°N Lat., 122.47722°W Long.

Permit No. Cities Service 4605, Lease No.

Canada Cities Services Petroleum Corporation
(Permittee, Licensee, Lessee)

Date of commencement of proposed program: April 4, 1969

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at	N/A
Gas at	N/A
Water at	4235
Total Depth	Dry and abandoned.
Present condition of well	Date of last operations: April 5, 1969

CASING RECORD

	Casing Size O.D. Inches	Weight	Amount	Set At	Sacks of Cement and Additives	Amount Pulled
1.	8-5/8"	24#	409.04'	420'	315 sax plus 3% $CaCl_2$	Nil
2.						
3.						
4.						
5.						

PROPOSED ABANDONMENT PROGRAM

No.	Plug Positions	Geological Formation	Number of Sacks of Cement	Remarks
1	4235-3980	Precambrian into Ronning	95	No Fuel.
2	3375-3200	Ronning into Delorme	70	Fuel.
3	2600-2500	Arnica into Landry	70	Fuel.
4	470- 370	Devonian Shale	90	Fuel.
5	Surface	Surface Casing	5	-

The above geological formation picks were taken from drilling samples.

The following logs have been run: IES, Bore Hole Compensated Sonic-Gamma Ray Caliper, Formation Density, Side Wall Neutron, Dip Meter.

Other operations proposed

Operations supervised by Tri City Drilling Co. Ltd. Contractor Licence No. A2559

Address 10808 - 120 Avenue, Edmonton, Alberta Address

Responsible Agent in field D. Malone

Dated at Edmonton, this 7 day of April, 69

Signed by [signature] Company Chevron Standard Limited

Title Division Superintendent Operator's Exploratory Licence No. 1106

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

(For RESOURCE MANAGEMENT DIVISION use only)

APPROVAL

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

Confirming oral approval given by Mr. C. E. Blue on 2nd April 1969

Dated 11th April, 69

(for) [signature]
Oil Conservation Engineer

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

IAND 52-90 (5) (3-67)

File No.

Drilling Authority No. 363

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

RESOURCE MANAGEMENT DIVISION

Application to Amend a Drilling Authority

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

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made to amend Drilling Authority No. 363, concerning surface casing to be run in Chevron CS Abbott C-72

(Name and Number of Well)

The following amendments are required:

The application for a drilling authority for the subject well indicated we would like to run 10-3/4", 40.50, new, J-55 surface casing to 430'. However, we would like to amend this to read 8-5/8", 24#, J-55 surface casing to 430'.

Reasons for the amendments: Tri-City Rig 4 does not have the pump capacity to efficiently drill 8-3/4" hole.

Dated at Edmonton, this 12th day of March, 19 69

Signed by

Title Division Superintendent

Company Chevron Standard Limited

(For Resource Management Division use only)

APPROVED

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

Confirming oral approval given by Mr. G. E. Blue on the 7th March 1969.

Date 17th March, 1969

Oil Conservation Engineer

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

IAND 52-90-3 (3-67)

POOR COPY

Drilling Authority No. 363

Project No.

File No.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

MAR

Application for a Drilling Authority

This notice of intention to begin drilling operations in duplicate and where required a plan of survey approved by the Surveyor General showing the target area 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

Location: Unit Section

Latitude 62°21'25" Longitude

From Established Reference Marker

Universal Well Location Reference Lat. 62.35694° N. Lat., 122.47722° W. Long.

Elevation: Ground 1204 K.B. feet above sea level

Well is expected to produce from Ronning formation at a depth of about 3360 feet. Expected total final depth 4200

Area assigned to well (for Oil Conservation Engineer's use only)

Permit No. Cities Service 4405 Lease No. Acreage 59310

Permittee, licensee, or lessee Canada Cities Service Petroleum Corporation

Exploratory Licence No. 1099 (Chevron is appointed agent by Canada Cities Service Petroleum Corp.) (Letter dated 4-10-67)

Surface owned by Crown or Crown (If otherwise submit name and address of owner and occupant)

Petroleum and natural-gas rights owned by Crown

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

	Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Sacks of Cement
1.	10-3/4	40.5	J-55	New	430	380
2.						
3.						
4.						
5.						

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

Arnica, Ronning

10" Series 900 Hydril and 10" Series 900 Mechanical double gate Guiberson

Well will be drilled with Rotary Rig No. 4 by Tri City Drilling Co. Ltd. (Drilling Contractor or company)

Services Limited

Responsible agent of applicant: — Contractor's business Licence No. A 2559

At well D. M. Mahura At registered office J. Zedde

Address Box 2296, Edmonton 15 Address Box 2296, Edmonton 15

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

Dated at Edmonton this 27th day of February 1969

Signed by [signature] Company Chevron Standard Limited

Title Acting Division Superintendent Operator's Licence No. 1106

(For Resource Management Division use only)

APPROVED

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

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

Dated 3rd March 1968 [signature] Oil Conservation Engineer

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

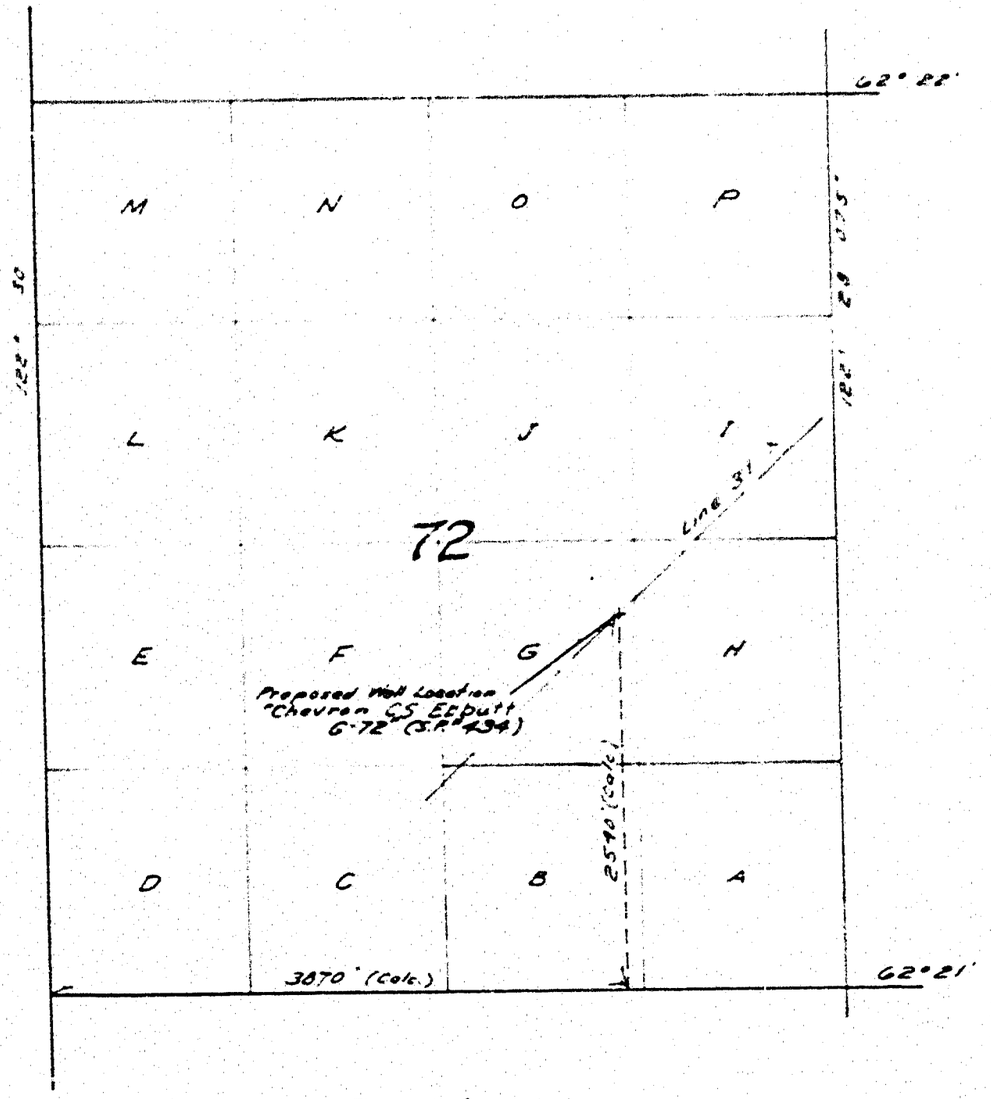
IAND 52-90-1 (3-67)

UNIQUE WELL IDENTIFIER - 300G726230122150

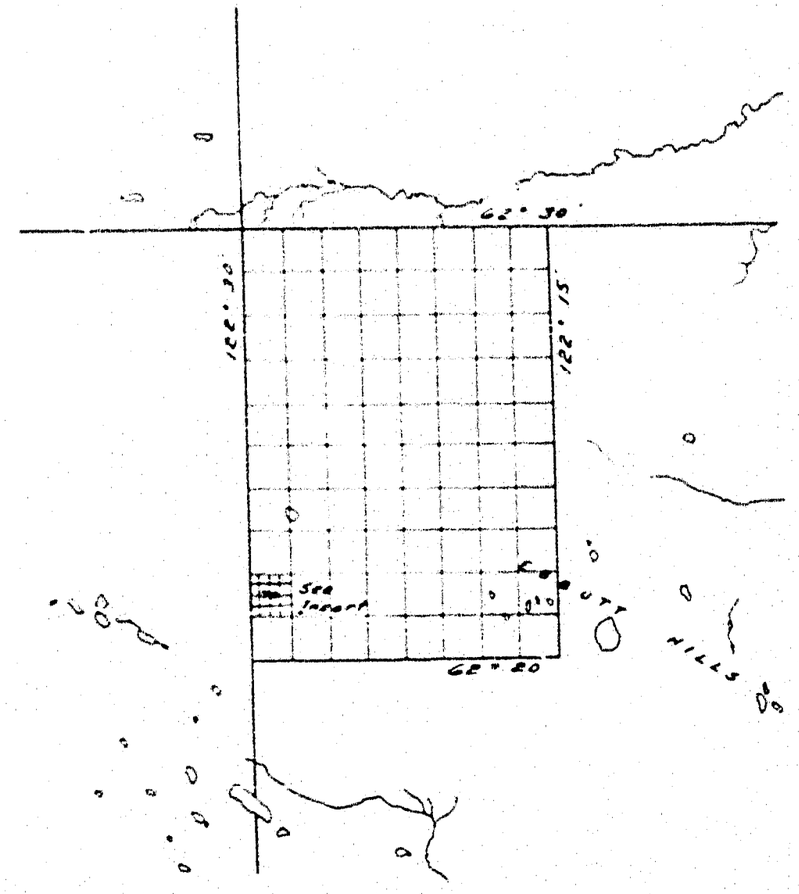
that drilling fluids, chemicals and wastes shall be disposed of or contained in a manner that will prevent the contamination of adjacent vegetation and surface or subsurface waters.

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

B.H.J. Thoms
Oil Conservation Engineer



Insert
Scale · 1 inch = 1000 Feet



PLAN
Scale : 1 250,000

Chevron Standard Limited

PLAN

SHOWING PROPOSED WELL LOCATION FOR

"Chevron CS Ebbutt G-72

Lat 62° 21' 25"
Long : 122° 28' 38"

NORTHWEST TERRITORIES

SCALE : As Shown
February : 24th, 1969.

G.E. : 1204' Grid. Area : Lat 62° 30'
Long 122° 15'

For: Chevron Standard Limited L.O. OLSEN ~ D.L.S.

Hamilton & Olsen Surveys Ltd.
Edmonton ~ Alberta
W.S. 4534 C.H.E.

WELL HISTORY REPORT
CHEVRON CS EBBUTT G-72
UNIT G, SECTION 72
Grid: 62°30' N, 122°15' W.

CHEVRON STANDARD LIMITED
14605 - 118th Avenue
EDMONTON, ALBERTA

WELL HISTORY REPORT
CHEVRON CS EBBUTT G-72
UNIT G, SECTION 72
Grid 62°30' N, 122°15' W.

Location Reference: 62.35694°N Lat.,
122.47722°W Long.
Well Identifier: 300G726230122150

April 30, 1969

D M Mahura

D.M. MAHURA
Area Supervisor

CONTENTS

WELL HISTORY REPORT

SECTION I - SUMMARY OF WELL DATA

(A) Well Name: Chevron C.S. Ebbutt G-72

(B) Permittee: Canada-Cities Service Petroleum Corporation

(C) Operator: Chevron Standard Limited
14605 - 118th Avenue, Edmonton, Alberta

(D) Location: Unit G., Section 72, Grid 62° 30' N & 122° 15' W.
Universal Well Location Reference Number 62.35694° N. Lat.
122.47722° W. Long.
Unique Well Identifier 300G726230122150

(E) Coordinates: Latitude 62° 21' 25" N., & Longitude 122° 28' 38" West

(F) Permit No.: 4405 (Cities Service), Exploratory Licence #1099

(G) Drilling Contractor: Tri City Drilling Co., Ltd., Rig #4, Licence #A2559

(H) Drilling Authority: #363 issued March 3, 1969

(I) Classification: Wildcat

(J) Elevations: Ground - 1204, K.B. - 1215.1

(K) Spudded: 7:30 PM March 9, 1969

(L) Completed Drilling: 1:00 PM April 3, 1969

(M) Total Depth: 4235

(N) Well Status: Dry & Abandoned

(O) Rig Released: 12:00 Midnight April 5, 1969

(P) Hole Sizes: 0' - 426' - 12 1/4"
426' - 4235' - 7 7/8"

(Q) Casing (Surface):

Size	Type	Weight	Amount	Set-at	Sax of Cement
8 5/8"	J-55	24	409.04'	420'	315 + 3% CaCl2

SECTION II GEOLOGICAL SUMMARY

(A) Formation Tops	Depth (Samples)	Depth (Log)	KB = 1215.1 Elevation (Log)
Nahanni	1927	1932	-717
Headless	2210	2210	-995
Landry	2375	2375	-1160
Arnica	2550	2550	-1335
Delorme	3260	3260	-2045
Ronning	3325	3325	-2110
Basal Clastics	4030	4030	-2815
T.D. Driller		4235	-3020
T.D. Logger		4238	-3023

(B) Cored Intervals:

Diamond Coring by: Drill Stem Testing & Coring Ltd.

Core #1	2465-2510	Recovered	43'	Landry Limestone
Core #2	2565-2583	"	17.0'	Arnica Dolomite
Core #3	2583-2599	"	15.8'	Arnica Dolomite
Core #4	3340-3353	"	12.6'	Ronning Dolomite
Core #5	3353-3400	"	45.7'	Ronning Dolomite

(C) Core Description — See Appendix "A"
Core Analysis — See Appendix "B"

(D) Sample Descriptions — See Appendix "C"

SECTION III ENGINEERING SUMMARY

(A) Drillstem Tests: See Appendix "E" for Charts and Data
Testing by - Drill Stem Testing & Coring Limited

D.S.T. # 1: March 20, 1969 (2545 - 2599) Arnica formation
Preflow 5 min., ISI - 60 min., VO 90 min., FSI - 90 min.
Good blow on preflow & VO period. Blow down to nil in 60 mins.
No fluid to surface on test. Recovered 300' muddy salt water,
1400' salt water & 30' salty mud. Salt water CL - 94000 PPM,
IHP - 1217, IFP 408, ISIP 865, B.H. Temp. - 110° F, FHP - 1207,
FFP 865, FSIP 870

(B) Casing Record:
Ran in and cemented 13 joints (409.04') of 8 5/8", 24#, J-55, Range 2 Mannesmann Seamless Casing. Equipped with one Larkin guide shoe, Larkin float collar and 3 centralizers. Bottom 2 collars were spot welded and thread locked. Casing string was landed @ 420 ft., and cemented in place with 315 sacks cement and 3% $CaCl_2$. C.I.P. @ 12:35 PM March 11, 1969.
Note: March 14, 1969. Drill pipe got stuck @ 340'. Freed drillpipe by turning with tongs. However this resulted in bottom 3 jointe (95.04') casing being backed off and dropping approximately 15 ft. in washed out hole. New landed depth @ 435.14' with bottom of parted string, and with the bottom of main casing string at 325.10'.

(C) Bit Record

Number	Size	Serial	Type	From-To	Footage	Hours Used
1A	12 1/4"	7521	OSC-3	0-426	426'	19
1	7 7/8"	7801	XIG	426-1515	1089'	32 1/2
2	7 7/8"	7983	XV	1515-2045	530'	24 3/4
3	7 7/8"	152688	M-88	2045-2465	420'	41 1/4
1C	6 1/8"	67020	Diamond	2465-2510	45'	6 1/4
4	7 7/8"	910165	M-4NG	2465-2510	45'	2 3/4
4	7 7/8"	910165	M-4NG	2510-2565	55'	5 1/4
1C	6 1/8"	67020	Diamond	2565-2599	34'	4 3/4
4RR	7 7/8"	910165	M-4NG	2565-2599	34'	3
5	7 7/8"	7886	XV	2599-2677	78'	13
6	7 7/8"	98416	X-55R	2677-3157	480'	58 1/2
7	7 7/8"	202728	M-88	3157-3340	183'	22 1/2
1C	6 1/8"	67020	Diamond	3340-3400	60'	9 1/4
8	7 7/8"	196165	M44N	3340-3400	60'	3 3/4
8	7 7/8"	196165	M44N	3400-3421	21'	10 1/4
7RR	7 7/8"	202728	M-88	3421-3651	230'	42 1/2
9	7 7/8"	8832	X-55R	3651-3995	344'	65
10	7 7/8"	8854	X-55R	3995-4235	240'	44 1/4

(D) Mud Report

Materials	Size	Quantity (Used)
Hydrogel	100#	535
Salt Gel	100#	17
Caustic	50#	55
Bicarb	100#	9
CMC	50#	22
Plaster of Paris	50#	36
Soda Ash	100#	8
Starch	50#	73
Preservative	50#	3
Sawdust	40#	93
Mica	50#	3
Benex	2#	11
Lignosol	50#	9
Peltex	50#	67
Cellophane	50#	8

(E) Deviation Record ("Sure - Shot" Deviation Recorder Used)

Depth	Reading
70'	3/4°
126'	5/8°
212'	7/8°
324'	7/8°
418'	7/8°
500'	7/8°
1013'	1/2°
1516'	0°
1990'	1 1/2°
2116'	1°
2306'	3°
2400'	1 3/4°
2565'	3°
2622'	1 1/4°
2653'	2°
2906'	7/8°
3126'	1 7/8°
3421'	2 1/4°
3651'	2 3/4°
3985'	2°
4200'	1 3/4°

(F) Abandonment Plugs

Plug	Interval	Formation	Cement Sacks Used	Plug Felt
#1	4235-3980	Basal Clastics	95	Not Felt
#2	3375-3200	Delorme-Ronning	70+3% $CaCl_2$	In 6 hrs. @ 3170'
#3	2650-2500	Arnica	70+3% $CaCl_2$	In 6 hrs. @ 2485'
#4	485-275	Surface Csg.	90+3% $CaCl_2$	In 6 hrs. @ 250'
#5	Top of Surface Csg.		5 sax, Steel plate Identification Marker was welded on top	

(G) Lost Circulation Zones

Lost circulation @ approximately 2565' (Arnica Formation) of approximately 200 Bbls. drilling fluid. Regained circulation with use of sawdust and mud additives.

(H) Blowouts None

SECTION IV LOGS

Logs run by Schlumberger (1 Run) April 4, 1969

Type Log	Interval	Scales
Induction E Log	4237-437	2" = 100' & 5" = 100'
Borehole Compensated Sonic Log	4235-437	2" = 100' & 5" = 100'
Formation Density Log	4237-1800	5" = 100'
Synergetic Log	4237-1800	5" = 100'
Sidewall Neutron Porosity Log	4237-1800	5" = 100'
C.D.M. Log	4234-1900	5" = 100' &25" = 100'

SECTION V - ANALYSIS

(A)	Core Analysis	See Appendix "B" - Lab Report CRF-1-9580
(B)	Water Analysis	See Appendix "D" - Lab Report E 60-9749
(C)	Gas Analysis	None
(D)	Oil Analysis	None

SECTION VI - COMPLETION SUMMARY

None - Well Dry & Abandoned

APPENDIX A

Core Description

CORE DESCRIPTIONS

CHEVRON CS EBBUTT G-72

By O. Gietz

Core #1 2465-2510 Rec. 43'

Coring Times

9	8	6	7	6	6	6	22	4	4
4	5	8	5	5	5	6	5	6	6
6	7	6	8	9	8	6	8	7	8
9	10	9	10	10	8	8	8	15	7
7	7	13	17	20		Core jammed.			

Core Description

2465-2467.5 2.3	Limestone, grey-brown, micritic, pelletoid, dense. Faintly argillaceous.
2467.5-2469.8 2.3	Limestone, grey-brown, micritic, coarsely brecciated in a minor green-grey pyritic, dolomitic shale matrix.
2469.8-2475.9 6.1	Limestone, grey-brown, micritic, dense, faintly argillaceous. Tracery of fractures and coarse brecciation infilled with argillaceous limestone and calcareous grey shale. Thin band of pyrite cubes occurs at base.
2475.9-2477.7 1.8	Shale, light grey-green, calcareous, pyritic. Upper contact sharp, near horizontal. Lower contact gradational, brecciated in part.
2477.7-2492.6 14.9	Limestone, grey-green, micritic, argillaceous, pyritic. Massive.
2492.6-2499.0 6.4	Limestone, brownish-grey, microcrystalline, dolomitic, argillaceous, pyritic, dense.
2499.0-2508 9.0	Limestone, brownish-grey, micritic to microcrystalline, dense, slightly argillaceous. Vertical fracture.
2508-2510 2.0	Lost core.

Core #2 2565-2583 Rec. 17'

Coring Times

4	4	3	4	5	5	5	3	6	6
6	7	13	6	22	8	18	22	Core jammed.	

Core Description

2565-2566.4 1.4	Dolomite, grey and white, coarse crystalline. Irregular, poorly defined bedding of alternation of grey, bituminous dolomite and minor thin beds of white, clean dolomite. Dips up to 45 deg. Beds are near horizontal at base of interval. Some development of vugs along bedding planes in white dolomite, small vug and intercrystalline porosity, bitumen infilled and lined, in the grey dolomite. Porosity 5%. No cut or fluorescence.
2566.4-2568.7 2.3	Dolomite, grey and white, coarsely crystalline, irregularly banded, near horizontal bedding. Thin, grey shale parting and shale laminae, dipping up to 45 degrees, interbedded with coarse, grey dolomite at the top. Green-grey pyritic shale flecks and angular fragments abundant near the top, decreasing to the base of interval. Stylolitic contact at the base. Vug and intercrystalline porosity 4%. No cut or fluorescence.
2568.7-2569.7 1.0	Dolomite, white and grey, coarse crystalline. Few large vugs along bedding planes in white dolomite. Massive. Porosity 5%. No cut or fluorescence.
2569.7-2571.3 1.6	Dolomite, white and grey, coarse crystalline, thin bedded, irregular. Dip 20 to 30 degrees. Few stylolites, shale break at base. Vug porosity along bedding planes in white dolomite. Trace of pyrite. Porosity 6%. No cut or fluorescence.
2571.3-2571.4 0.1	Shale, green-grey, pyritic, slickensided.
2571.4-2576.9 5.5	Dolomite, white and grey, coarsely crystalline, patchy, irregularly banded. Dip appears to be about 45 degrees. Porosity 6%, as vugs and minor intercrystalline porosity. Bitumen in intercrystalline porosity. No cut or fluorescence.

2576.9-2578.8 1.9	Dolomite, dark grey, bituminous and white, clean. Coarsely crystalline, irregular bedding - thin vertical fracture traces, bituminous grey dolomite filled between successive beds. Dip approximately 10 degrees. Porosity, small to large vugs, minor coarse intercrystalline porosity. Much pyro-bitumen in dark grey dolomite. Lower 0.5 feet massive. Shale break at base. Porosity 6%. No cut or fluorescence.
2578.8-2579.2 0.4	Dolomite, brown, fine to medium crystalline, scattered coarse dolomite crystals. Massive, tight, faintly argillaceous. Argillaceous stylolitic contact at top.
2579.2-2583.0 2.8	Dolomite, white and grey, coarse crystalline, patchy. Few vertical "fracture" vugs. Large vug in white dolomite at top, with pyritic dolomite and gypsum crystals, gypsum "rosettes". Porosity approximately 8%. No cut or fluorescence. Pyrobitumen present in dark grey dolomite. Lower 0.8 feet rubble.
2582.0-2583 1.0	Core not recovered.

Core #3 2583-2599 Rec. 15.8'

Coring Times

10	3	4	4	4	4	3	15	3	4
3	4	4	5	7	18	Core jammed.			

Core Description

2583-2588.6 5.6	Dolomite, white and grey, coarsely crystalline, irregular patches of grey, bituminous dolomite in white, massive dolomite. Minor, near horizontal thin banding of very bituminous dark grey dolomite. Lower 1.0 feet predominantly grey, massive dolomite. Trace of large brachiopod. Porosity 5%, large vugs and coarse intercrystalline porosity, bitumen-infilled in the dark grey dolomite. No cut or fluorescence.
2588.6-2589.2 0.6	Dolomite, brown, cryptocrystalline, dense, argillaceous. Finely laminated. Shale parting at top and base.

2589.2-2589.4 0.2	Dolomite, dark grey-brown, microcrystalline to very fine crystalline, hard, dense, pyritic. Shale parting at base.
2589.4-2591.7 2.3	Dolomite, grey and white, coarse crystalline, irregular, poorly defined bedding, variable dip up to 30 degrees to core. Sloping vugs along bedding planes, minor open, sloping fractures. Porosity 5%-6%. No cut or fluorescence.
2591.7-2598.8 7.1	Dolomite, grey and white, coarse crystalline, irregulr, poorly defined bedding, variable dip. Much pyrobitumen in porosity in dark grey dolomite. Lower 1.5 feet are "tiger-striped" dark grey, bituminous dolomite and white, clean dolomite. Porosity approximately 7%, as vugs and inter-crystalline porosity. No stain, cut or fluorescence.
2598.8-2599 0.2	Lost core.

Core #4 3340-3353 Rec. 12.6'

Coring Times

7 7 4 5 5 5 6 6 5 5
7 7 25 Core jammed.

Core Description

3340-3351.6 11.6	Dolomite, grey and light grey, microcrystalline to very fine crystalline, compact. Scattered small (2-3 cm) vugs to few large vugs, dolomite crystal lined. Few quartz crystals. Vertical and diagonal fractures, few irregular green pyritic shale partings, argillaceous stylolites. Lower 2-3 feet broken core and rubble. Excellent vug porosity 3343.6-3344.3. Average porosity approximately 5%.
3351.6-3352.6 1.0	Dolomite, grey, microcrystalline to very fine crystalline, tight. Fractured, stylolitic.
3352.6-3353 0.4	Core not recovered.

Core #5 3353-3400 Rec. 45.7'

Coring Times

10	7	5	6	5	6	5	5	5	5
6	6	6	6	6	6	7	7	8	8
7	8	9	7	11	9	10	9	9	10
11	10	7	20	8	10	10	10	10	11
12	10	12	12	11	14	20	Core jammed.		

Core Description

3353-3362 9.0	Dolomite, light grey-brown, microcrystalline to very fine crystalline, compact, dense. Scattered small vugs, few vertical fractures. Green shale parting 3359.8-3360.3 . Porosity approximately 2%. No stain or fluorescence.
3362-3371.3 9.3	Dolomite, grey-brown and light grey-brown, microcrystalline to very fine crystalline, compact. Few stylolites. Vug porosity approximately 5%. Tight 3364.6-3365.3.
3371.3-3384.6 13.3	Dolomite, light brown and brown, microcrystalline to very fine crystalline, compact. Faint irregular lamination. Few dolomite infilled small vugs, warm trails. Stylolites. Green shale break 3382.6-3382.9. Porosity approximately 3%. No fluorescence.
3384.6-3385.6 1.0	Dolomite breccia, large angular dolomite fragments, 80%, in anhydrite matrix and fracture filler 20%.
3385.6-3388.9 3.3	Dolomite, grey-grown, microcrystalline to very fine crystalline, compact. Few irregular green shale breaks, fracture filling. Tight.
3388.9-3391.4 2.5	Dolomite, grey-brown, microcrystalline to very fine crystalline, compact. Few vertical fractures. Trace of intercrystalline porosity, few small vugs. Porosity 2%. No fluorescence.
3391.4-3396.0 4.6	Dolomite, brown-grey, microcrystalline to very fine crystalline, compact. Tight. Fine diagonal fractures.
3396.0-3398.7 2.7	Dolomite, brown, microcrystalline, compact, tight. Few thin green shale breaks. Small vugs, dolomite infolled. Stylolites. Core broken, fractured.
3398.7-3400 1.3	Core not recovered.

APPENDIX B

Core Analysis

CORE LABORATORIES — CANADA LTD.
CALGARY, ALBERTA

COMPANY	CHEVRON STANDARD LIMITED	FORMATION	ARNICA
WELL	CHEVRON CS EBBUTT G-72	DRILLING FLUID	WATER BASE
FIELD	FORT SIMPSON AREA, NORTHWEST TERRITORIES	ELEVATION	-
LOCATION	N62 21'25.00, W 122"28' 38.00	ANALYSIS	FULL DIAMETER
		REMARKS	Glazed surface on all samples removed prior to permeability measurements.

SAMPLE NUMBER	INTERVAL REPRESENTED FEET		PERMEABILITY TO AIR MILLIDARCYS			PERMEABILITY FEET	POROSITY %	POROSITY FEET	DENSITY		VISUAL EXAMINATION
	DEPTH	THICK	KMAX	K90°	KV				BULK	GRAIN	
CORED INTERVALS	2465.0' - 2509.0'										
	3340.0' - 3400.0'										
CORE No. 1	2465.0' - 2510.0'	(Rec. 43.0') (9 BOXES)									
-	2465.0-2508.0	43.0	-	-	-	-	-	-	-	-	Not analyzed by request
-	2508.0-2510.0	2.0	-	-	-	-	-	-	-	-	Lost Core
-	2510.0-2565.0	55.0	-	-	-	-	-	-	-	-	Drilled
CORE No.2	2565.0' - 2583.0'	(Rec. 17.0')									
AST 6	2565.0-2565.5	0.5	* *	3.18	0.96	1.59	5.4	2.70	-	-	AST #6, Broken
1	2565.5-2566.0	0.5	0.25	0.15	<0.01	0.13	2.7	1.35	2.76	2.84	SV PPV
2	2566.0-2566.6	0.6	0.36	0.27	<0.01	0.22	2.1	1.26	2.78	2.85	SV PPV
-	2566.6-2566.8	0.2	-	-	-	-	-	-	-	-	Shaly
3	2566.8-2567.5	0.7	0.16	0.16	<0.01	0.11	2.5	1.75	2.78	2.85	SV PPV Shale Breaks
4	2567.5-2568.4	0.9	0.16	0.16	<0.01	0.14	2.0	1.80	2.78	2.83	Few SV PPV
5	2568.4-2569.2	0.8	0.18	0.09	0.03	0.14	3.1	2.48	2.75	2.83	SV PPV Sty.
6	2569.2-2570.0	0.8	* *	3.18	0.96	2.54	5.4	4.32	2.67	2.82	LV SV
7	2570.0-2570.8	0.6	0.75	0.21	0.08	0.60	4.0	3.20	2.70	2.81	LV Few SV
8	2570.8-2571.6	0.8	1.27	0.47	<0.01	1.02	2.2	1.76	2.77	2.83	SV PPV
-	2571.6-2571.7	0.1	-	-	-	-	-	-	-	-	Shale
9	2571.7-2572.4	0.7	0.27	0.18	<0.01	0.19	4.1	2.87	2.76	2.88	Few SV PPV Shale Break
10	2572.4-2573.2	0.8	* *	5079.00	* *	4063.20	21.1	16.88	2.23	2.83	LV SV
11	2573.2-2573.9	0.7	3.78	1.45	0.10	2.65	3.1	2.17	2.73	2.82	SV PPV
12	2573.9-2574.8	0.9	* *	1.62	0.28	1.46	5.1	4.59	2.68	2.83	LV SV PPV
13	2574.8-2575.6	0.8	* *	7.15	0.09	5.72	8.8	7.04	2.57	2.82	LV SV PPV
14	2575.6-2576.3	0.7	685.00	19.20	<0.01	479.50	6.6	4.62	2.64	2.82	LV SV PPV
15	2576.3-2577.1	0.8	291.00	1.14	<0.01	232.80	5.3	4.24	2.67	2.82	LV SV PPV
16	2577.1-2577.8	0.7	0.24	0.16	0.03	0.17	2.1	1.47	2.78	2.84	SV PPV

COMPANY CHEVRON STANDARD LIMITED
WELL CHEVRON CS EBEUTT G-72

SAMPLE NUMBER	INTERVAL REPRESENTED FEET		PERMEABILITY TO AIR MILLIDARCYS			PERMEABILITY FEET	POROSITY %	POROSITY FEET	DENSITY		VISUAL EXAMINATION
	DEPTH	THICK	KMAX	K90°	KV				BULK	GRAIN	
Core No.2 Cont'd											
17	2577.8-2578.6	0.8	1.66	0.14	<0.01	1.33	1.5	1.20	2.81	2.86	PPV 1, Sty. HF
18	2578.6-2579.2	0.6	114.00	1.00	<0.01	68.40	4.0	2.40	2.71	2.82	SV PPV HF
AST											
10	2579.2-2579.6	0.4	* *	5079.00	* *	2031.60	21.1	8.44	-	-	AST # 10, Broken
19	2579.6-2582.0	2.4	1566.00	1.04	<0.01	3758.40	4.3	10.32	2.70	2.82	LV SV PPV
-	2582.0-2583.0	1.0	-	-	-	-	-	-	-	-	Lost Core
CORE No.3 2583.0' - 2599.0' (Rec. 15.8') (4 BOXES)											
20	2583.0-2584.0	1.0	0.89	0.12	0.06	0.89	2.4	2.40	2.75	2.82	SV PPV
21	2584.0-2584.7	0.7	1.06	0.67	<0.01	0.74	1.9	1.33	2.79	2.84	SV PPV
22	2584.7-2585.6	0.9	0.23	0.14	<0.01	0.21	1.2	1.08	2.81	2.84	Few SV PPV
23	2585.6-2586.6	1.0	0.07	0.04	<0.01	0.07	1.5	1.50	2.78	2.83	Few SV PPV
24	2586.6-2587.7	1.1	0.97	0.18	0.05	1.07	1.8	1.98	2.78	2.83	SV PPV
25	2587.7-2588.8	1.1	33.68	0.09	<0.01	37.05	1.9	2.09	2.78	2.83	SV PPV
26	2588.8-2589.4	0.6	10.29	7.26	4.95	6.17	2.8	1.68	2.77	2.85	Few SV Sty. HF VF
-	2589.4-2589.5	0.1	-	-	-	-	-	-	-	-	Shaly
27	2589.5-2590.0	0.5	21.20	0.25	0.66	10.60	4.5	2.25	2.70	2.82	SV PPV HF
28	2590.0-2591.4	1.4	8.37	1.33	0.43	11.72	3.6	5.04	2.74	2.84	LV Few SV
29	2591.4-2592.1	0.7	88.04	0.78	0.02	61.63	4.4	3.08	2.69	2.82	LV SV
30	2592.1-2592.8	0.7	409.00	17.43	0.14	286.30	9.2	6.44	2.57	2.83	LV SV PPV
31	2592.8-2594.0	1.2	6126.00	0.43	8.54	7351.20	5.9	7.08	2.65	2.82	LV SV PPV
32	2594.0-2595.0	1.0	0.68	0.41	<0.01	0.68	2.0	2.00	2.76	2.82	PPV HF
33	2595.0-2595.7	0.7	0.43	0.32	0.05	0.30	1.9	1.33	2.77	2.83	Few SV PPV
34	2595.7-2596.5	0.8	* *	21.23	*	16.98	6.5	5.20	2.64	2.82	LV SV PPV
35	2596.5-2597.6	1.1	* *	5.57	0.06	6.13	10.3	11.33	2.73	2.82	LV Few SV PPV
36	2597.6-2598.8	1.2	*	3.84	0.48	4.61	6.1	7.32	2.64	2.81	LV SV
-	2598.8-2599.0	0.2	-	-	-	-	-	-	-	-	Lost Core

WELL: CHEVRON CS EBBUTT G-72

FORMATION: ARNICA

FILE CNP-1-9580

SUMMARY INTERVAL: 2465.0 - 2599.0

TOTAL FOOTAGE: 134.0

FOOTAGE ANALYZED 32.4

FOOTAGE NOT ANALYZED: TOTAL 101.6 DENSE .4 LOST 3.2 DRILLED 55.0 *NABR 43.0 RUBBLE .0

SUMMARY OF ANALYZED CORE:

	FOOTAGE	% OF ANALYZED CORE	WEIGHTED AVERAGE POROS %	POROSITY FEET	WEIGHTED AVERAGE PERM MD	PERM FEET	WEIGHTED AVERAGE RESID OIL %	WEIGHTED AVERAGE TOT WATER %
TOTAL	32.4	100.00	4.63	149.99	569.39	18448.24	.00	.00
BY PERM RANGES:								
LESS THAN 0.10 Md.	1.0	3.09	1.50	1.50	.07	.07	.00	.00
0.10 0.49 Md.	6.5	20.06	2.37	15.39	.25	1.61	.00	.00
0.50 0.99 Md.	3.9	12.04	2.46	9.58	.83	3.24	.00	.00
1.00 9.99 Md.	9.7	29.94	5.03	48.80	4.07	39.50	.00	.00
GREATER THAN 9.99 Md.	11.3	34.87	6.61	74.72	1628.66	18403.83	.00	.00

*NOT ANALYZED BY REQUEST

[redacted] LABORATORIES LTD.
CALGARY, ALBERTA

COMPANY CHEVRON STANDARD LIMITED
WELL CHEVRON CS EBBUTT G-72
FIELD FORT SIMPSON AREA, NORTHWEST TERRITORIES
LOCATION N62 21'25.00, W 122°28' 38.00

FORMATION RONNING
DRILLING FLUID WATER BASE
ELEVATION -
ANALYSIS FULL DIAMETER
REMARKS Glazed surface on all samples removed prior to permeability measurements.

FILE CHF-1-9580
DATE REPORT APRIL 8/09
ANALYSTS VD KS DH

SAMPLE NUMBER	INTERVAL REPRESENTED FEET		PERMEABILITY TO AIR MILLIDARCYS			PERMEABILITY FEET	POROSITY %	POROSITY FEET	DENSITY		VISUAL EXAMINATION
	DEPTH	THICK	KMAX	K90°	KV				BULK	GRAIN	
CORE No.4 3340.0' - 3353.0' (Rec. 12.5') (6 BOXES)											
1	3340.0-3340.8	0.8	206.00	<0.01	<0.01	164.80	3.2	2.56	2.77	2.86	SV PPV HF
2	3340.8-3342.0	1.2	2.33	0.60	<0.01	2.80	2.8	3.36	2.76	2.84	SV PPV HF
3	3342.0-3342.8	0.8	0.06	<0.01	<0.01	0.05	1.4	1.12	2.78	2.82	Few SV
4	3342.8-3343.5	0.7	* *	0.95	<0.01	0.67	7.1	4.97	2.64	2.84	LV SV
5	3343.5-3344.4	0.9	* *	16.49	0.20	14.84	8.9	8.01	2.60	2.85	LV SV
6	3344.4-3345.4	1.0	*	1.26	*	1.26	3.7	3.70	2.74	2.85	SV PPV VF
7	3345.4-3346.3	0.9	0.07	0.05	<0.01	0.06	4.2	3.78	2.73	2.83	SV PPV Sty.
8	3346.3-3347.1	0.8	12.21	0.14	<0.01	9.78	3.5	2.80	2.74	2.84	SV PPV HF
9	3347.1-3347.9	0.8	0.61	<0.01	<0.01	0.49	3.5	2.80	2.75	2.85	SV PPV Sty.
10	3347.9-3348.8	0.9	*	17.34	0.42	15.61	5.4	4.86	2.69	2.85	SV PPV HF
11	3348.8-3350.0	1.2	*	0.30	*	0.36	7.1	8.52	2.65	2.86	SV PPV VF
-	3350.0-3350.8	0.8	-	-	-	-	-	-	-	-	Broken Core
12	3350.8-3351.8	1.0	<0.01	<0.01	<0.01	-	1.4	1.40	2.80	2.84	Few SV
-	3351.8-3352.5	0.7	-	-	-	-	-	-	-	-	Broken Core
-	3352.5-3353.0	0.5	-	-	-	-	-	-	-	-	Lost Core
CORE No.5 3353.0' - 3400.0' (Rec. 46.0') (10 BOXES)											
13	3353.0-3354.3	1.3	0.12	<0.01	<0.01	0.16	2.7	3.51	2.78	2.86	Few SV PPV
14	3354.3-3355.2	0.9	0.39	0.07	<0.01	0.35	3.1	2.79	2.76	2.85	Few LV SV
15	3355.2-3356.5	1.3	*	<0.01	*	-	1.4	1.82	2.80	2.84	1, VF
16	3356.5-3357.5	1.0	*	<0.01	*	-	1.9	1.90	2.79	2.84	Few SV
17	3357.5-3358.8	1.3	3.40	1.74	<0.01	4.42	2.0	2.60	2.79	2.85	Few SV Sty.
18	3358.8-3359.8	1.0	0.13	<0.01	<0.01	0.13	2.1	2.10	2.79	2.84	Few SV
19	3359.8-3360.8	1.0	0.47	0.36	<0.01	0.47	1.7	1.70	2.80	2.85	Few SV Sty.
-	3360.8-3361.1	0.3	-	-	-	-	-	-	-	-	Shale
20	3361.1-3362.0	0.9	*	0.26	*	0.23	4.4	3.96	2.73	2.85	SV VF

COMPANY CHEVRON STANDARD LIMITED
WELL CHEVRON CS EBBUTT G-72

SAMPLE NUMBER	INTERVAL REPRESENTED FEET		PERMEABILITY TO AIR MILLIDARCYS			PERMEABILITY FEET	POROSITY %	POROSITY FEET	DENSITY		VISUAL EXAMINATION
	DEPTH	THICK	KMAX	KBOP	KV				BULK	GRAIN	
Core No. 5 Cont'd.....											
21	3362.0-3362.9	0.9	2.34	0.44	<0.01	2.11	4.0	3.60	2.71	2.82	SV
22	3362.9-3363.7	0.8	<0.01	<0.01	<0.01	-	5.0	4.00	2.68	2.82	SV
23	3363.7-3364.6	0.9	0.75	0.68	<0.01	0.68	1.8	1.62	2.77	2.82	Few SV
-	3364.6-3365.3	0.7	-	-	-	-	-	-	-	-	Dense, Shale Break
24	3365.3-3366.7	1.4	6.11	4.32	<0.01	8.55	1.9	2.66	2.78	2.83	SV Sty. HF
25	3366.7-3367.8	1.1	228.00	1.07	34.37	250.80	6.0	6.60	2.68	2.85	SV PPV 1, VF
26	3367.8-3369.0	1.2	26.01	0.71	0.30	31.21	4.7	5.64	2.71	2.84	SV
27	3369.0-3370.5	1.5	486.00	2.91	<0.01	729.00	2.3	3.45	2.76	2.83	SV PPV
28	3370.5-3371.5	1.0	73.51	3.12	<0.01	73.51	4.3	4.30	2.73	2.85	SV HF
29	3371.5-3372.6	1.1	10.21	8.02	<0.01	11.23	1.2	1.32	2.81	2.84	Few SV HF
30	3372.6-3373.7	1.1	<0.01	<0.01	<0.01	-	1.8	1.98	2.78	2.83	SV
31	3373.7-3374.9	1.2	<0.01	<0.01	<0.01	-	0.7	0.84	2.81	2.83	Few SV Sty.
-	3374.9-3376.0	1.1	-	-	-	-	-	-	-	-	Dense
32	3376.0-3377.4	1.4	9.76	2.66	<0.01	13.66	1.3	1.82	2.80	2.84	Few SV
33	3377.4-3378.6	1.2	<0.01	<0.01	<0.01	-	1.2	1.44	2.82	2.85	Few SV
34	3378.6-3379.8	1.2	29.67	6.29	<0.01	35.60	0.8	0.96	2.82	2.84	Few SV
35	3379.8-3381.1	1.3	<0.01	<0.01	<0.01	-	0.7	0.91	2.82	2.84	Few SV
36	3381.1-3382.2	1.1	3.96	1.48	<0.01	4.36	1.8	1.98	2.80	2.85	SV PPV
-	3382.2-3388.9	6.7	-	-	-	-	-	-	-	-	Dense, Shale Breaks
37	3388.9-3390.2	1.3	10.28	0.28	<0.01	13.36	1.3	1.69	2.81	2.85	Few SV HF
38	3390.2-3391.7	1.5	6.30	2.21	<0.01	9.45	1.3	1.95	2.81	2.85	Few SV HF
-	3391.7-3399.0	7.3	-	-	-	-	-	-	-	-	Dense
-	3399.0-3400.0	1.0	-	-	-	-	-	-	-	-	Lost Core

[redacted] LABORATORIES CANADA, LTD.

Petroleum Reservoir Engineering

WELL: CHEVRON CS EBBUTT G-72

FORMATION: RONNING

FILE: CNP-1-9580

SUMMARY INTERVAL: 3340.0 - 3400.0

TOTAL FOOTAGE: 60.0

FOOTAGE ANALYZED 40.9

FOOTAGE NOT ANALYZED: TOTAL: 19.1 DENSE 16.1 LOST 1.5 DRILLED .0 *NAGR .0 RUBBLE 1.5

SUMMARY OF ANALYZED CORE:

	FOOTAGE	% OF ANALYZED CORE	WEIGHTED AVERAGE POROS %	POROSITY FEET	WEIGHTED AVERAGE PERM MD	PERM FEET	WEIGHTED AVERAGE RESID OIL %	WEIGHTED AVERAGE TOT WATER %
TOTAL	40.9	100.00	2.81	115.02	34.23	1399.98	.00	.00
BY PERM RANGES:								
LESS THAN 0.10 Md.	10.6	25.92	1.81	19.19	.01	.11	.00	.00
0.10 0.49 Md.	6.3	15.40	3.58	22.58	.27	1.70	.00	.00
0.50 0.99 Md.	2.4	5.87	3.91	9.39	.76	1.83	.00	.00
1.00 9.99 Md.	9.8	23.96	2.21	21.67	4.76	46.61	.00	.00
GREATER THAN 9.99 Md.	11.8	28.85	3.58	42.19	114.38	1349.74	.00	.00

*NOT ANALYZED BY REQUEST

APPENDIX C

Sample Description

SAMPLE DESCRIPTIONS

CHEVRON CS EBBUTT G-72

N 62° 21' 25" W 122° 28' 38"

By O. Gietz

Sample Study starts at 600'.

600-630	Shale, grey, microcrystalline, fissile to blocky. Trace of silty streaks. Much contamination by casing cement.
630-1030	Shale, grey, micromicaceous, blocky, fissile in part. Faintly dolomitic. Trace of silty and sandy streaks, calcareous, sandy stringers. Trace pyrite.
1030-1060	Shale, grey, micromicaceous, blocky, fissile in part, faintly dolomitic. Minor sandy shale and silty and sandy limestone streaks, light grey, grey and light brown.
1060-1630	Shale, grey, micromicaceous, fissile to sub-fissile, faintly dolomitic. Trace to minor grey and brown sandy limestone streaks and sandy, silty shale.
1630-1670	Shale, grey, micromicaceous, sub-fissile to blocky, faintly dolomitic. Much light grey and grey calcareous, argillaceous, fine grained sandstone and sandy limestone. Trace brown microcrystalline sandy limestone.
1670-1830	Shale, grey, micromicaceous, sub-fissile, faintly dolomitic. Minor dark grey inter-laminae of shale. Silty and sandy calcareous streaks. Trace pyrite.
1830-1920	Shale, grey and dark grey, faintly dolomite, sub-fissile, micromicaceous in part. Much black, fissile, bituminous shale.
1920-1930	Shale, as above. Limestone, brown, microcrystalline, dense, faintly argillaceous.
1930-1940	Limestone, microcrystalline to fine crystalline, faintly argillaceous, brown. Much shale as above - cavings.
1940-2000	Limestone, as above. Much "fine fragmented" textured limestone, brown and light brown. Fine samples, much shale cavings.

2000-2040	Limestone, brown, microcrystalline to fine crystalline, dense. Samples are chiefly cavings.
2040-2070	Limestone, light brown, micritic, dense. Minor brown and dark brown microcrystalline limestone, faintly argillaceous. Trace of stylolites. Trace pyrite.
2070-2100	Limestone, brown, microcrystalline, faintly argillaceous, dense. Trace of very fine sucrosic limestone, dark brown, bituminous.
2100-2140	Limestone, microcrystalline to very fine crystalline, brown and dark brown, slightly bituminous. Trace ostracods.
2140-2170	Limestone, brown, cryptocrystalline to microcrystalline, trace dark brown fine crystalline, slightly bituminous limestone.
2170-2190	Limestone, dark brown, microcrystalline to very fine crystalline, bituminous in part. Minor light brown, fine crystalline limestone.
2190-2200	Limestone, light brown and brown, cryptocrystalline to microcrystalline. Traces of "fragmental" texture, indeterminate fossil remains.
2200-2320	Limestone, microcrystalline, tight. Dark brown, faintly bituminous. Traces to minor black, slightly bituminous shale. Minor light brown, micritic, dense limestone.
2320-2330	Limestone, light brown, micritic, dense. Minor dark brown, dense to microcrystalline slightly bituminous limestone. Much cavings.
2330-2340	Limestone, microcrystalline, brown and dark brown, faintly argillaceous. Trace of stylolites.
2340-2370	Limestone, microcrystalline to very fine crystalline, dark brown and brown, slightly argillaceous, bituminous in part. Trace of coarse crystalline calcite cement and pore filler. Much cavings.
2370-2380	Limestone, dark brown, micritic, pelletoid to microcrystalline, vitreous, dense. Minor light brown micritic limestone.
2380-2390	Limestone, light grey-brown, micritic, dense. Traces of pelsparite. Faintly argillaceous. Trace of stylolites.

2390-2400	Limestone, brown and dark brown, microcrystalline to very fine crystalline, dense, bituminous in part. Much light brown micritic limestone, as above.
2400-2420	Limestone, light brown, micritic, dense, pelsparite. Tight. Trace of fractures. Minor dark brown limestone, as above - caving?
2420-2430	Limestone, brown and dark brown, micritic and pelletoid. Much light grey and white crystalline calcite spar infilling of pelletoid limestone. Dark brown pelsparite, minor micrite.
2430-2440	Limestone, brown and light brown, micrite and pelsparite, dense. Trace fractures. Trace of grey-green, blocky, pyritic shale.
2440-2465	Limestone, brown and light brown, micrite and pelmicrite, dense, trace argillaceous content. Trace of grey, sucrosic dolomite, trace dark brown, dense dolomite.
2465-2510	See Core Description (Core #1).
2510-2530	Limestone, grey-brown, micritic to microcrystalline; pelletoid in part, argillaceous. Trace of pyrite. Calcite infilling of inter-pelletoid porosity and fossil remains. Trace of Ostracods.
2530-2540	Limestone, light brown, micritic to pelletoid, dense.
2540-2550	Limestone, dark brown, microcrystalline, dense to very fine crystalline, tight, bituminous. Minor light brown pelmicrite and pelsparite, as above. Trace of white crystalline dolomite.
2550-2565	Dolomite, white and light grey, coarsely crystalline. Fair to good intercrystalline porosity. Trace of bitumen. No stain, cut or fluorescence. Much limestone, as above - caving.
2565-2599	See Core Descriptions (Cores #2 and #3)
2599-2620	Dolomite, white and grey, coarse crystalline. Inter-crystalline and vug porosity, pyro-bitumen infilled and lined. Trace of quartz crystals, enhedral dolomite crystals. No cut or fluorescence.
2620-2640	Dolomite, grey-brown, faintly argillaceous. Crypto-crystalline, dense. Trace of pyro-bitumen, trace of pyrite. Fractures.

2620-2640	Dolomite, grey-brown, faintly argillaceous, cryptocrystalline, dense. Trace of pyrobitumen, trace of pyrite. Fractures.
2640-2680	Dolomite, brown, cryptocrystalline to microcrystalline to very fine crystalline dolomite. Trace of dolomitized pelletoid texture, trace bituminous. Trace of sphalerite. Much dark brown microcrystalline dolomite. Trace of black, bituminous shale. Trace ostracods.
2680-2750	Dolomite, very fine to fine crystalline, light brown and light tan, sucrosic to dense. Trace of quartz crystals, trace of sphalerite. Trace of intercrystalline and vug porosity. No stain.
2750-2770	Dolomite, brown and dark brown, microcrystalline to fine crystalline. Trace of vug porosity, no staining. Dark brown microcrystalline vitreous dolomite, faintly bituminous.
2770-2780	Dolomite, as above. Trace of brown-grey micritic dolomite.
2780-2790	Dolomite, light grey-brown, cryptocrystalline, faintly argillaceous, dense.
2790-2810	Dolomite, light brown, micritic to very fine crystalline, trace dense, argillaceous dolomite.
2810-2900	Dolomite, light grey-brown, cryptocrystalline, dense, faintly argillaceous. Trace of pyrite.
2900-2920	Dolomite, brown-grey, minor dark brown dolomite, trace argillaceous, microcrystalline and cryptocrystalline, dense. Trace pyrite.
2920-2930	Dolomite, light brown, cryptocrystalline to microcrystalline. Trace faintly argillaceous dense dolomite.
2930-2940	Dolomite, as above. Trace of micro-breccia.
2940-3000	Dolomite, light brown and brown, microcrystalline, "earthy" in part, to fine crystalline, brown, faintly bituminous. Trace of pyrite. Trace of light brown micritic limestone. Trace of dolomite infilled and lined fractures.
3000-3010	Dolomite, brown, microcrystalline, dense to very fine crystalline, compact. Fair vug porosity, no stain. Relict pelletoid/oolitic structures. Dolomite infilling of porosity, trace fractures.

3010-3020	Dolomite, light brown, microcrystalline, dense to very fine crystalline. Trace of relict pelletoid/colitic texture. Fair vug porosity - drusy dolomite in vugs and fractures, dolomite spar infilling porosity.
3020-3040	Dolomite, brown, microcrystalline to fine crystalline, compact. Trace bituminous. Trace of vug porosity. No stain. Scattered sub-hedral quartz crystals.
3040-3060	Dolomite, brown and dark brown, much very light brown dolomite, cryptocrystalline, dense, to very fine crystalline, compact. Interbedded? dark brown and very light brown dolomite. Scattered quartz crystals, trace of pyrite. Trace of light brown micritic limestone.
3060-3080	Dolomite, light brown, cryptocrystalline to micro-crystalline, earthy in part. Scattered quartz crystals. Fair vug porosity, fractures. No stain.
3080-3090	Dolomite, brown, microcrystalline to very fine crystalline, sucrosic in part. Minor dense, cryptocrystalline, faintly argillaceous brown-grey dolomite. Fair intercrystalline and vug porosity. Dolomite spar and drusy dolomite.
3090-3100	Dolomite, light brown, microcrystalline, dense, earthy in part. Minor, very fine crystalline dolomite. Trace vug porosity, no stain.
3100-3110	Dolomite, brown, microcrystalline, compact, dense, faintly bituminous.
3110-3130	Dolomite, light brown, cryptocrystalline and micro-crystalline, earthy in part. Scattered quartz crystals. Trace of brown-grey cryptocrystalline, slightly argillaceous limestone. Poor to fair vug porosity, no stain. Trace pyro-bitumen. Drusy dolomite crystals - fracture and vug infilling.
3130-3150	Dolomite, brown and dark brown, microcrystalline, dense, tight. Dolomite infilled fractures. Trace of pyrite. Minor faintly argillaceous, dense dolomite.
3150-3180	Dolomite, brown, cryptocrystalline to very fine crystalline. Much dark brown faintly bituminous, microcrystalline, compact dolomite. Trace of disseminated anhydrite.
3180-3200	Dolomite, light brown, cryptocrystalline, dense. Trace of pelletoid texture. Fractured dolomite crystal lining of fractures. Trace of vug porosity. No stain. Trace of pyrite.

3200-3210	Dolomite, grey-brown, cryptocrystalline to microcrystalline. Much darker brown dolomite. Faintly argillaceous. Scattered quartz crystals. Vugs, fractures, dolomite lined and infilled. Traces of relict pelletoid-oolitic texture.
3210-3220	Dolomite, light brown and brown, dense, cryptocrystalline to microcrystalline. Trace relict pelletoid-oolitic texture. Fractured dolomite infilled. Trace of vug porosity, no stain.
3220-3240	Dolomite, light tan and light brown, microcrystalline, compact, dense. Trace oolitic-pelletoid texture. Minor brown and dark brown microcrystalline dolomite.
3240-3250	Dolomite, grey-brown, minor dark brown dolomite, microcrystalline to very fine crystalline, compact. Crystalline dolomite infilling of fractures and small vugs.
3250-3260	Dolomite, light grey-brown and light grey, cryptocrystalline to fine crystalline, sucrosic. Scattered quartz crystals. Traces fractures, stylolites. Trace pyrite.
3260-3270	Dolomite, light grey, cryptocrystalline to microcrystalline, dense, earthy in part. Trace of grey-green argillaceous dolomite, trace of light green pyritic shale. Quartz crystals.
3270-3300	Dolomite, light tan, cryptocrystalline to microcrystalline, earthy in part. Much grey-green argillaceous dolomite, trace bright green pyritic shale, quartz crystals. Fractured.
3300-3320	Dolomite, light tan and pale greenish-grey, cryptocrystalline, dense, faintly argillaceous. Minor greenish grey dolomitic shale. Trace of pyrite, scattered quartz crystals.
3320-3340	Dolomite, light tan, microcrystalline to very fine crystalline, sucrosic in part. Trace of light green pyritic shale. Trace of fractures.
3340-3400	See Core Descriptions (Cores #4 and #5)
3400-3420	Dolomite, grey-brown, cryptocrystalline to microcrystalline, minor fine crystalline dolomite. Trace grey-green shale. Fractured.

3420-3450	Dolomite, light grey, microcrystalline to very fine crystalline, sucrosic in part. Trace of fracturing.
3450-3460	Dolomite, light tan, microcrystalline, dense. Trace fracturing.
3460-3510	Dolomite, light grey-brown, microcrystalline to very fine crystalline. Trace of dolomite infilled fractures. Trace of pyrite. Trace of quartz crystals. Trace of vug porosity. No staining.
3510-3520	Dolomite, light brown-grey, cryptocrystalline to microcrystalline, dense, minor fine crystalline dolomite. Trace pyrite, trace fractures.
3520-3550	Dolomite, dark grey-brown, microcrystalline, slightly bituminous, trace argillaceous. Trace pyrite, trace quartz crystals. Trace black shale partings.
3550-3590	Dolomite, light grey-brown, microcrystalline to very fine crystalline, sucrosic in part. Trace of pyrite, trace of selenite. Trace of very pale green, fissile, dolomitic shale, trace of argillaceous, dense dolomite. Trace of vug and intercrystalline porosity. No stain.
3590-3700	Dolomite, light brown and brown-grey, dense, microcrystalline to very fine crystalline. Scattered coarse crinoid? fragments. Much pyrite. Trace fractures, trace of selenite. Traces white, "earthy" chert, brown chert.
3700-3760	Dolomite, dark brown, microcrystalline to fine crystalline, compact, slightly bituminous. Silicified in part, trace brown and black chert. Scattered coarse crinoid fragments. Black, bituminous shale partings. Trace pyrite. Trace selenite crystals.
3760-3790	Dolomite, dark brown, cherty, siliceous, as above. Minor light brown, very fine crystalline, dense to sucrosic dolomite. Trace of pyrite, trace sand grains.
3790-3810	Dolomite, very light brown, microcrystalline to very fine crystalline, sucrosic in part. Trace of pyrite, trace of quartz crystals, trace light grey chert, trace sand grains.
3810-3870	Dolomite, light brown, cryptocrystalline, dense. Trace of pyrite. Trace to minor microcrystalline dolomite. Trace fractures. Trace of quartz grains. Trace of vug porosity. No staining.

3870-3890	Dolomite, light grey-brown, microcrystalline, dense. Minor brown and dark brown dolomite, faintly argillaceous. Trace pyrite. Trace black shale partings, fractures.
3890-3910	Dolomite, light tan, cryptocrystalline to microcrystalline, dense. Trace vug porosity or fractures. Trace pyrite. Scattered "floating" well rounded, frosted quartz grains ($<$.250 mm).
3910-3920	Dolomite, light grey-brown and brown, cryptocrystalline to microcrystalline, dense. Trace of pyrite. Scattered "floating" quartz grains, trace of light green shale flecks and partings.
3920-3970	Dolomite, light tan, cryptocrystalline to microcrystalline, dense. Scattered, rounded, frosted "floating" quartz grains. Trace fractures. Trace pyrite.
3970-3990	Dolomite, light tan and brown, interbedded; cryptocrystalline to microcrystalline, grey-green shale partings. Scattered fine to coarse "floating" frosted, rounded sand grains, in the dolomite and in the shale.
3990-4010	Dolomite, brown and dark brown, cryptocrystalline to microcrystalline, dense, tight. Trace of pyrite. Trace of dark brown chert. Scattered quartz grains, well rounded, frosted ($<$ 1.25 mm) "floating" in dolomite matrix. Trace of grey-green dolomite shale, "floating" quartz grains approximately 10%.
4010-4030	Dolomite, brown and dark brown, interbedded, microcrystalline, dense, trace pyritic. "Floating" quartz grains, medium to coarse, well rounded and sorted. Trace of bright green silty dolomitic shale.
4030-4040	Shale, green and red, silty, dolomitic. Interbedded grey, dense dolomite, pinkish and light grey dolomite, anhydritic in part, minor anhydrite. Traces fine lamination. Trace of pyrite.
4040-4060	Shale, bright green and grey-green, minor red shale and red and green mottled shale, dolomitic, hard. Minor light grey and grey microcrystalline dense dolomite anhydritic in part, trace pinkish grey silty dolomite. Trace pyrite.
4060-4100	Dolomite, brown-grey, cryptocrystalline to microcrystalline, dense. Trace to minor light green silty shale and red shale, interbedded purple and maroon shale. Trace of quartz crystals - vug porosity - no stain. Minor pinkish grey microcrystalline anhydrite.

4100-4130	Dolomite, grey-brown, microcrystalline, dense, silty, argillaceous in part. Much green and red shale, maroon silty shale, mottled green and red shale. Minor grey-brown anhydrite.
4130-4140	Dolomite, minor anhydrite, as above. Much interbedded red shale, minor bright green silty shale.
4140-4180	Dolomite, grey and light grey, cryptocrystalline to microcrystalline, dense. Minor red and green shale, pink anhydrite interbedded.
4180-4200	Shale, bright green, grey-green and red, hard, dolomite, silty. Dolomite, cryptocrystalline, grey-brown, argillaceous, trading to dolomitic shale. Minor red shale and pink anhydrite, trace pyrite.
4200-4210	Sandstone, fine grained (0.10 mm), green, argillaceous, grading to silty, bright green shale. Trace of coarse, well rounded quartz grains. Minor red, silty shale, brown microcrystalline to cryptocrystalline dolomite.
4210-4220	Siltstone, fine grained, sandstone, red, argillaceous, blocky, grading to red shale. Trace of coarse pink, well-rounded quartz grains. Much bright green, argillaceous sandstone and green shale, as above; much grey and light-grey cryptocrystalline dolomi.
4220-4225	Siltstone, grey, irridescent, micromicaceous, siliceous, grading to very fine sandstone. Color grades in part to purplish siltstone, pale grey, fine grained quartz sandstone. Minor red shale, silty, sandy and grey-brown, dense dolomite.
T.D. 4225	

APPENDIX D

Water Analysis

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS

Lab No. E69-9748

Received: April 3, 1969 Reported: April 14, 1969

Well: Location: Chevron CS Ebbutt G-72

Field or Area: Wildcat NWT

Operator: CHEVRON STANDARD LIMITED

Sample Interval: 2545-2599

Elev.: K.B. 1215 Grd. 1204 Zone/Formation: Arnica

Date: Mar. 20, 1969

Method of Production: D.S.T. #1

Sampled from: 500' Above Tool

Sampled by: Operator

OTHER PERTINENT DATA Recovered 300' muddy s.w., 1400' saltwater and 30' salty mud. ISIP 810.

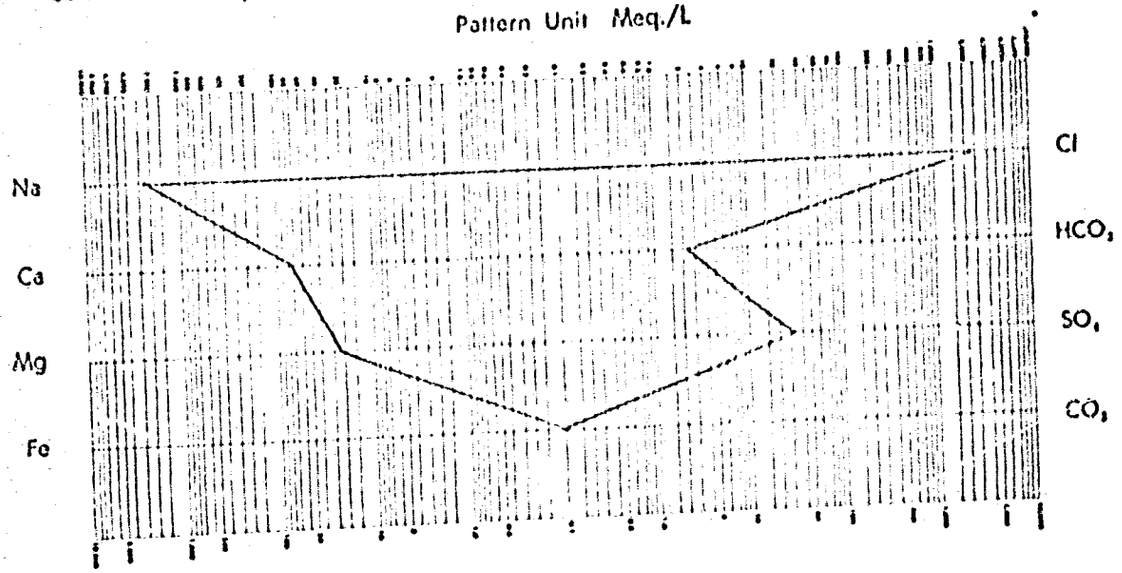
(Signed) L. Grumbly, Chevron Standard

	Na	K	Ca	Mg					SO_4	Cl			CO_3	HCO_3		
Mg./L	62,025		1,485	299					1,605	97,900				160		
Meq./L	2698.10		74.10	24.58					33.38	2760.78				2.62		
Meq. %	48.24		1.32	0.44					0.60	49.36				0.05		

Total Solids Mg/L: By Evaporation 166,100 Fe Present Specific Gravity 1.111 @60°F Observed pH 7.3 @ 74 °F

Calculated 163,474 After Ignition 158,540 H_2S Nil Refractive Index 1 3592 @25°C Resistivity 0.063 ohm meters @ 68 °F

Pattern Unit Meq./L



Remarks and Conclusions

Sample consisted of yellowish coloured water with a 10% layer of sediment.

APPENDIX E

Drillstem Tests Data

DRILL STEM TESTING & CORING LTD.

EDMONTON: PHONE 433-7293 CALGARY: PHONE 269-2925

P.O. BOX 4188, EDMONTON, ALBERTA

TEST NUMBER 1

Date MARCH 20, 1969.

Customer CHEVRON STANDARD LIMITED,

P.O. BOX 2296,

EDMONTON, ALBERTA.

Well Name CHEVRON CS EBBUTT G-72

Location N 60° 21'25" W 122° 28'39"

Area FORT SIMPSON, N.W.T.

Formation TIGHT HOLE

Est. Pay Thick. —

Ticket No. B-1527

Purchase Order No. S-20861

Interval 2545' TO 2599'

Test Duration 245 MINUTES

Initial Hydrostatic 1217

Final Hydrostatic 1207

PRE- 369

Initial Flowing 408

Final Flowing 865 after 90 mins.

Initial Shut-In 865 after 60 mins.

Final Shut-In 870 after 90 mins.

Blow GOOD

Recovery 1730'

Mud Type	GEL.	Size Full Hole	7-7/8"	Size Rubber	7"
Mud Wt.	9.0	Size Rat Hole	6-1/8"	O.D. Drill Collar	--
Vis.	50	Size & Type Pipe	4-1/2" X.H.	O.D. Sub or T.J.	--
W. L.	6.4	Time Circulated	4 Hrs.	Tool Length	78.19'
pH	11.0	Where Circulated	BOTTOM	Rat Hole Length	34.00'
F. C.	2/32	Bit off Bottom	1.45 A.M.	Difference	44.19'
Condition	GOOD	Formation	TIGHT HOLE	Total Depth	2599'

TEST EXTRAS: SAFETY JT. DOUBLE SHUT IN. JARS. EX ANCHOR. FAIL SAFE HEAD.

Type of Test BOTTOM HOLE Wt. to Set Packer 30,000 35,000 To Pull Loose

Initial Puff GOOD Gas Flow NIL Size Bean 3/4" Fluid Cushion --

Temp. 110° Gravity — No. Drill Collars 10 Length — I.D.'s —

PRESSURES

		INSIDE	OUTSIDE	
Started In	9.30 A.M.	Recorder No.	2484	2745	
Tool Open	10.30 A.M.	Depth Run	2549'	2554'	
" Closed	10.35 A.M.	Hydrostatics	1214-1205	1217-1207	
" Open	11.35 A.M.	Flow	352-359	408-865	
" Closed	1.05 P.M.	Initial S.I.P.	864	865	
" Loose	2.35 P.M.	Final S.I.P.	862	870	
" Out	5.00 P.M.	Difference	2	5	

FLUID RECOVERY

Mud 330'

Oil

Water 1400'

Total 1730'

Sampled at TOP, CENTER TOP OF TOOL.

Description of Fluid 330' MUDDY SALTY WATER. 1400' CLEAR SALTY WATER.

Witnessed By: LARRY GRUMBLY, DRILLER AND CREW.

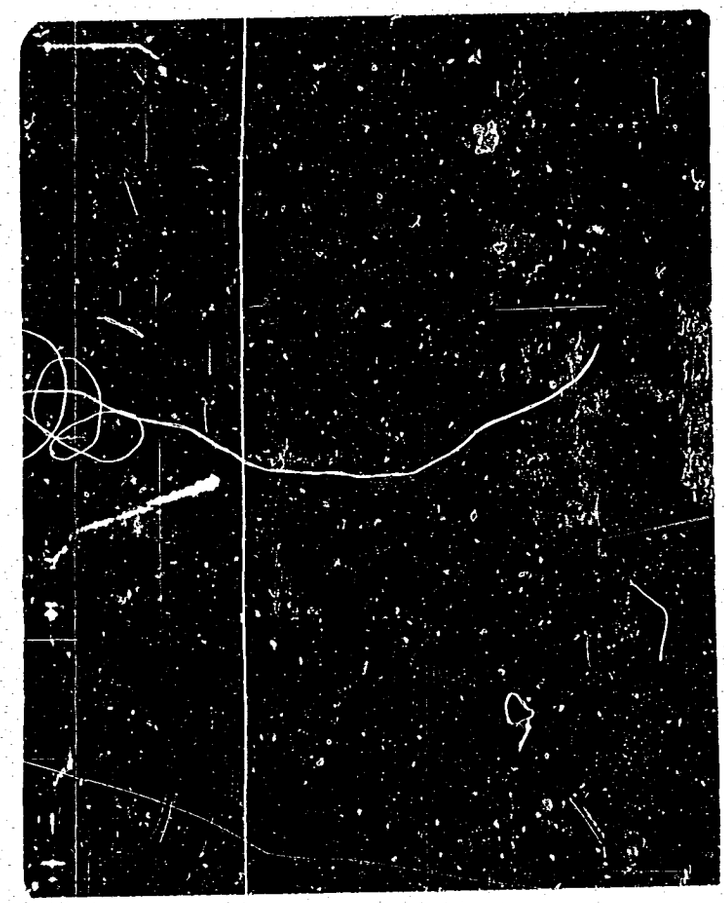
REMARKS: GOOD INITIAL PUFF. GOOD AIR BLOW, DECREASING THROUGHOUT TEST TO NIL.

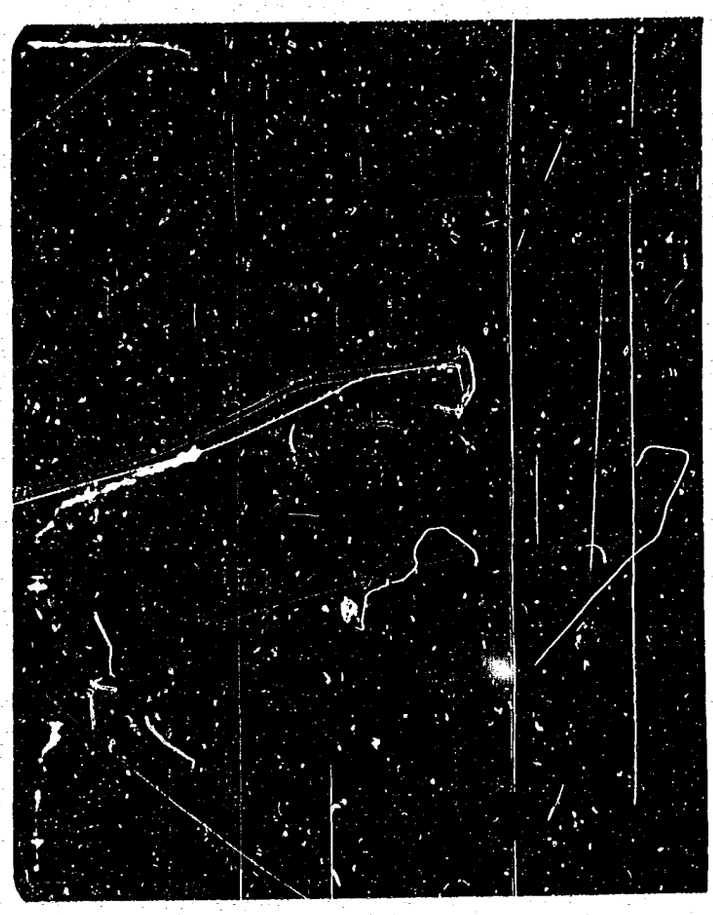
TEST SATISFACTORY.

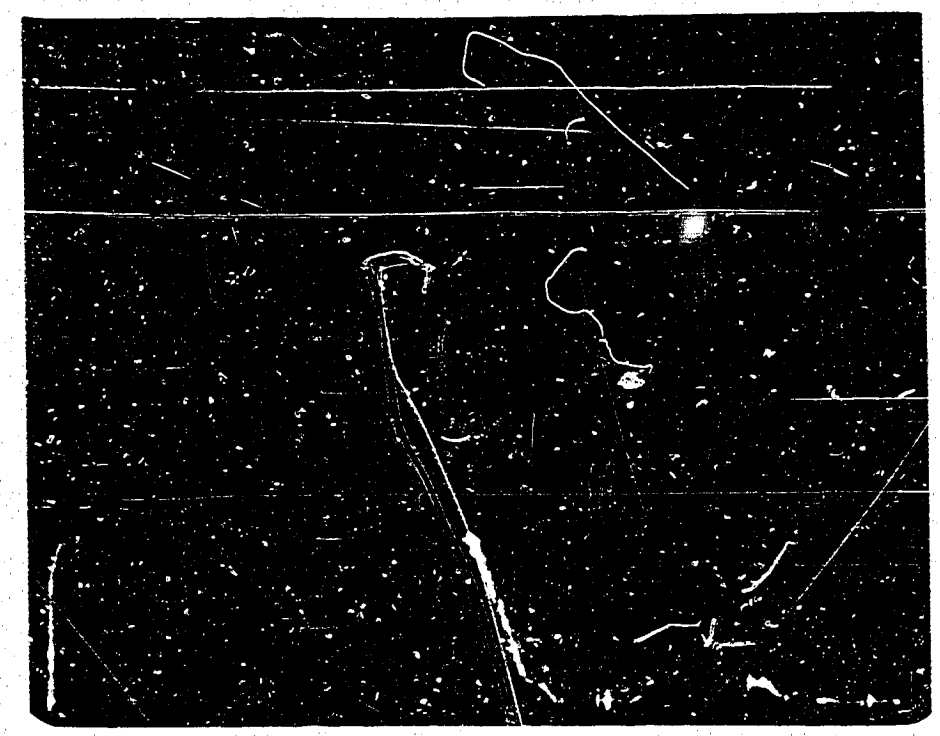
J.M. CHUCKRY. Testing Supervisor

L.F. GRUMBLY. Customer's Representative

D.S.T. # 1 WELL NAME CHEVRON CS EBBUTT G-72







TOUR REPORT

CONTRACTOR Tri City 4

FIELD Wildcat PROPERTY Crown WELL No. G-72

☑ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☑ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. April 5 1968

Chevron CS Ebbutt G-72 62°21'25"N 122°28'38"W.

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS " D.P.	NO. FT.	NO. FT.	NO. FT.
" D.P.	NO. FT.	NO. FT.	NO. FT.
DOUBLE " D.P.	FT.		
SINGLE " D.D.	FT.		
" O.D.	FT.		
DRILL COLLAR " O.D.	NO. FT.	NO. FT.	NO. FT.
REAMER " O.D.	KIND FT.	KIND FT.	KIND FT.
STABLIZER " O.D.	KIND FT.	KIND FT.	KIND FT.
JARS	KIND FT.	KIND FT.	KIND FT.
BUMPER SUB.	FT.	FT.	FT.
BIT OR CORE BARREL	FT.	FT.	FT.
TOTAL D.P. & TOOLS	FT.	FT.	FT.
KELLY DOWN (BELOW R.B.)	FT.	FT.	FT.
DEPTH OF TOOLS	FT.	FT.	FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	FEET	FEET	FEET
DEPTH START OF TOUR	FEET	FEET	FEET
FOOTAGE DRILLED	FEET	FEET	FEET

DAY WORK	HOURS 2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE p.s.i.												
ROTARY SPEED r.p.m.												
WEIGHT ON BIT Tons												
P.H.												
MUD WEIGHT #/gal.												
MUD VISCOSITY Sec.												
MUD CAKE 32nds / WATER LOSS c.c.												
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Pit Footage	Core Recov'y	BIT CONDITION

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	H Jandl		E.D UPERROW
DERRICKMAN TOOL DRSR.	G Rowland	K WILSON	E. POUTHIER -
HELPER	T Moore	B HUTCH	G. CAMPBELL
HELPER	R NIZNIK	R Dalgou	D. ROBLIN.
HELPER			
FIREMAN			
TOOL PUSHER	J.C Carroll		

DEVIATION RECORD

Kind	Depth	Reading

MUD and CHEMICALS ADDED Kind	Amount	From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
TOUR 1		12~~00~~	1~~00~~	LAY down 18 singles.
		1~~00~~	130	RUN Plug # 3
		130	145	LAY down 5 singles.
		1~~45~~	6 30	WAITON Plug # 3
		630	7~~00~~	FEEL FOR Plug.
		7~~00~~	8~~00~~	RUN Plug #4.
TOUR 2		8~~00~~	100	WAIT ON PLUG #4.
		1~~00~~	1~~15~~	FEEL PLUG #4 @ 250'
		1.15	400	LAY DRILL PIPE + D.C.
TOUR 3		400	500	TEAR OUT B.O.P. LAY DOWN SAME
		5.00		TEAR OUT RIG.
			12~~00~~	PLUG TOP OF CASING WITH 5 sacks. CEMENT.

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Plug # 3 2650 - 2500 - 70 sax cement 3% Ca Cl
Plug down 1 30 pm
Plug # 3 felt at 2485 - 2 00 pm

Plug # 4 485 - 275 - 90 sax 3% Ca Cl
Plug down 2 45 pm

Plug # 4 felt at 250 - 1 45 pm

5 sax cement placed in Top of surface casing

Plate welded on Top with sign attached

Rig released midnight April 5/69

L E Gumley
SIGNATURE COMPANY ENGINEER

Pro-161-CS

TOUR REPORT

CONTRACTOR TRI-CITY.

FIELD Wildcat N.W.T. PROPERTY Crown. WELL No. E-72

☑ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☑ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. APRIL 4 1969

Chevron CS E8BuTT. G-72 60°-21'25"N 122°-28'38"W.

	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
DRILLING ASSEMBLY			
STANDS " D.P.	NO. 62 3908 FT.	NO. FT.	NO. 66 4161 FT.
" D.P.	NO. FT.	NO. FT.	NO. FT.
DOUBLE " D.P.	FT.	FT.	1 3159 FT.
SINGLE " O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	NO. FT.
DRILL COLLAR " O.D.	NO. 10 2825 FT.	NO. FT.	KIND FT.
REAMER " O.D.	KIND FT.	KIND FT.	KIND FT.
STABLIZER " O.D.	KIND FT.	KIND FT.	KIND FT.
JARS	KIND 148 FT.	KIND FT.	KIND FT.
BUMPER SUB.	FT.	FT.	FT.
BIT OR CORE BARREL	FT.	FT.	4197 80 FT.
TOTAL D.P. & TOOLS	FT.	FT.	35 40 FT.
KELLY DOWN (BELOW R.B.)	35 40 FT.	FT.	4133 20 FT.
DEPTH OF TOOLS	FT.	FT.	
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	4237 FEET	FEET	FEET
DEPTH START OF TOUR	4235 FEET	FEET	FEET
FOOTAGE DRILLED	2 FEET	FEET	FEET

DAY WORK	HOURS 2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE p.s.i.												
ROTARY SPEED r.p.m.												
WEIGHT ON BIT Tons												
p.H.				11.0								
MUD WEIGHT #/gal.				9.2								
MUD VISCOSITY Sec.				52								
MUD CAKE / WATER LOSS 32nds / c.c.				@ 8.8								
PIT VOLUME Ft.-in.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recov'y	BIT CONDITION

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	H. JANDL.	H Jandl	E. DUPERRON
DERRICKMAN TOOL DRSR.	G. ROWLAND.	K Wilson	F. ROUTHIER.
HELPER	J. MOORE.	B Hatch	G. CAMPBELL
HELPER	R. NIZNIK.	R Dayton	D. ROBLIN.
HELPER			
FIREMAN			
TOOL PUSHER	J.C. Powell		

DEVIATION RECORD

Kind	Depth	Reading
SS	4200	1/4°

MUD and CHEMICALS ADDED Kind	Amount	From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
TOUR 1		12~~00~~	1~~00~~	Run 5½" Casing.
By CAR B.	300 lbs	1~~00~~	8~~00~~	Rig up To + Log.
TOUR 2		8~~00~~	1230.	Logging.
		1230	1.00	Tear out logger.
		100	2.00	Pull out + Lay down 11 joint.
		~~2.00~~	~~4.00~~	5½" Cassing.
		2.00	4.00	Run in open end.
TOUR 3		4.00	4.30	Run plug #1
		4.30	5.00	Pull 27 singles + Lay down.
		5.00	6.00	Run plug #2
		6.00	6.15	Lay down 5 singles.
		6.15	11.30	Wait on plug #2.
		11.30	12.00	Run in and feel plug #2.

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Ran 11 joints 5½" 15.5#/ft (368.53') J55 Japanese seamless Range 3 8rd casing equipped with Baker Texas Guide Shoe. Casing landed at 366 K.B and set in slips in rotary Table. Top of 8 5/8" parted surface casing at 340 K.B. Bottom of parted casing at 437 K.B (lost)

Ran Following Schlumberger logs

I.E.S.	4237 - 437	2"-5" scales
BHC-GRC	4235 - 437	2"-5" "
F.D.C.	4237 - 1800	5" "
S.N.P.	4237 - 1800	5" "
CDM	4234 - 1900	5" 1/60" scales

Cement plug #1 - 4235 - 3980 - 95 sax cement - mixed with standby pump & Howco mixer. Displaced with rig pump with 56 bbls mud. Plug down 4^30 pm

Cement plug #2 - 3375 - 3200 - 70 sax cement 3% CaCl. Plug down 6^00 pm

Plug #2 felt at 3170 @ 11^45 pm.

L F Saunders
SIGNATURE COMPANY ENGINEER

Pro-161-CS

TOUR REPORT

CONTRACTOR Tri-City

FIELD NWT PROPERTY CROWN WELL No. G-72

☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☐ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. APRIL 3RD 19 69

CHEVRON EBRUTT G-72 60°-21'-25"N 122° 28' 38" W

DRILLING ASSEMBLY		END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS	D.P.	NO. 62 3908 08 FT.	NO. 62 3908 08 FT.	NO. 62 3908 08 FT.
	D.P.	NO.	NO.	NO.
DOUBLE	D.P.			
SINGLE	O.D.			
	O.D.			
DRILL COLLAR	O.D.	NO. 10 282 50 FT.	NO. 10 282 50 FT.	NO. 10 282 50 FT.
REAMER	O.D.	KIND	KIND	KIND
STABILIZER	O.D.	KIND	KIND	KIND
JARS		KIND 314 FT.	KIND 774 FT.	KIND 274 FT.
~~BOOSTER~~ SUB.		148 FT.	149 FT.	148 FT.
BIT OR CORE BARREL				
TOTAL D.P. & TOOLS		4199.80 FT.	4199.80 FT.	4199.80 FT.
KELLY DOWN (BELOW R.B.)		9.20 FT.	35.40 FT.	35.40 FT.
DEPTH OF TOOLS		4209.00 FT.	4235.20 FT.	4235.20 FT.
TOUR		MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR		4209 FEET	4235 FEET	4235 FEET
DEPTH START OF TOUR		4165 FEET	4209 FEET	4235 FEET
FOOTAGE DRILLED		44 FEET	26 FEET	✓ FEET

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL — WORK DONE
Kind	Amount			
TOUR 1		12.00	1.00	DRILL 7⅞ - HOLE
PELTEX	100#	1.00	1.15	RIG SERV & BOP
CAUSTIC	50#	1.15	8.00	DRILL 7⅞ - HOLE
GEL	1000#			
TOUR 2		8.00	8.15	SERVICE RIG & CHECK B.O.P.
Caustic	50 lbs.	8.15	1.00	DRILL 7⅞ Hole.
Pelter.	100 lbs.	1.00	2.45	CIRC & MIX mud.
Gel -	1400 lbs.	2.45	3.15	10 std. dummy TRIP.
C.M.C.	50 lbs.	3.15	4.00	CIRC & MIX mud. To Log.
TOUR 3		4.00	7.15	CONDITION MUD.
GEL	4000 lbs.	7.15	7.30	DROP SURVEY.
CMC.	50#	7.30	10.45	HOIST PIPE TO Log + DOUBLE STRAP.
CAUSTIC.	50#	10.45	11.15	Rig up loggers.
		11.15	11.30	logging UNABLE TO GET IN HOLE. R
		11.30	12.00	Rig up To RUN. 5½" CASSING.

DAY WORK	HOURS	2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE	p.s.i.	450	450	450	450	450	450				450		
ROTARY SPEED	r.p.m.	60	60	60	60	60	65						
WEIGHT ON BIT	Tons	11.5	11.5	11.5	11.5	11.5	11.5						
p.H.				11.0	11.	11	11.	11.					
MUD WEIGHT	#/gal.	9.3	9.3	9.3	9.2	9.2	9.2	9.2					
MUD VISCOSITY	Sec.	45	40	40	38	37	37	46			52		
MUD CAKE WATER LOSS	32nds c.c.	9.2		10.6	10.2	10.4		8.8					
PIT VOLUME	Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recov'y	BIT CONDITION
10	7⅞	8054	X55R	44¼	3995	4235	240		3-2-I

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Board Tally 4235.20
Double Strap 4233.85
Diff'n 1.35

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	E. LOISELLE	H. JANDL	E. DUPERRON
DERRICKMAN TOOL DRSR.	G. ROWLAND	K. WILSON	E. ROUTHIER
HELPER	J. MOORE	B. HATCH	G. CAMPBELL
HELPER	R. NIZNIK	R. DUIGOU	D. ROBLIN
HELPER			
FIREMAN			
TOOL PUSHER	J. E. Lovell		

DEVIATION RECORD

Kind	Depth	Reading
S.S.	4200.	1¾

L F Jamieson
SIGNATURE COMPANY ENGINEER

Pro-161-CS

TOUR REPORT

CONTRACTOR TRI-CITY

FIELD NWT PROPERTY CROWN WELL No. G-72

☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☐ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. APRIL 2ND 1969

CHEVRON EBBUTT G-72 60° 21' 25" N 122° 28' 38" W

DRILLING ASSEMBLY		END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS	" D.P.	NO. 3717.15 FT.	NO. FT.	NO. 61 3844.64 FT.
	" D.P.	NO. 54. FT.	NO. 60 3783.39 FT.	NG. FT.
DOUBLE	" D.P.	3150 FT.	3029 FT.	FT.
SINGLE	" O.D.	FT.	FT.	FT.
DRILL COLLAR	" O.D.	NO. 10 2823.50 FT.	NO. 10 2825.50 FT.	NO. 10 2825.50 FT.
REAMER	" O.D.	KIND FT.	KIND FT.	KIND FT.
STABLIZER	" O.D.	KIND FT.	KIND FT.	KIND FT.
JARS		KIND 714 FT.	KIND 774 FT.	KIND 774 FT.
BUMPER SUB.		KIND 148 FT.	KIND 148 FT.	KIND 148 FT.
BIT OR CORE BARREL		FT.	FT.	FT.
TOTAL D.P. & TOOLS		4044.31 FT.	4105.40 FT.	4136.56 FT.
KELLY DOWN (BELOW R.B.)		27.63 FT.	96.0 FT.	28.44 FT.
DEPTH OF TOOLS		4071.94 FT.	4115.00 FT.	4165.00 FT.
TOUR		MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR		4072 FEET	4115 FEET	4165 FEET
DEPTH START OF TOUR		4031 FEET	4072 FEET	4115 FEET
FOOTAGE DRILLED		35 FEET	43 FEET	43 FEET

DAY WORK	HOURS	2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE	p.s.i.	450	450	450	450	450	450	450	450	450	450	450	450
ROTARY SPEED	r.p.m.	60	60	60	60	65	65	65	65	65	65	65	65
WEIGHT ON BIT	Tons	11	11	11	11	11	11	11	11	11	11	11	11
P.H.					9.5	10.5	11.	11.	11.0	11.0	11.0	10.5	10.5
MUD WEIGHT	#/gal.	9.2	9.2	9.2	9.1	9.1	9.1	9.1	9.2	9.2	9.2	9.2	9.2
MUD VISCOSITY	Sec.	42 (48)	39	44	40	40	39	38	37	37.	36	38	38
MUD CAKE / WATER LOSS	32nds / c.c.			9 2/32	9.0	1/32 8.2	2/32 7.6	2/32 8.2	2/32 8.6	2/32 9.6	2/32 9.4	2/32 9.4	
PIT VOLUME	Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recovy	BIT CONDITION
10	7 7/8	8454	H.W. XSS-R 3 5/32 S.	31 3/4	3995	4165	170		DRLG.

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	E. LOISELLE	H. JANDL.	E. DUPERRON
DERRICKMAN TOOL DRSR.	G. ROWLAND	K. WILSON	E. ROUTHIER.
HELPER	J. MOORE	B. HATCH	G. CAMPBELL
HELPER	R. NIZNIK.	R. DUIGOU	D. ROBLIN.
HELPER			
FIREMAN			
TOOL PUSHER	A. Ewald		

DEVIATION RECORD

Kind	Depth	Reading

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL / WORK DONE
Kind	Amount			
TOUR 1		12.00	2.00	DRILL 7⅞-HOLE
PELTEX	600 LBS	2.00	2.15	RIG SERV & B.O.P.
CAUSTIC	100#	2.15	8.00	DRILL 7⅞-HOLE
CMC @ 40# @ 60#	100#			
TOUR 2		8.00	9.30	DRILL 7⅞ Hole.
CAUSTIC	100#	9.30	9.45	SERVICE RIG & CHECK B.O.P.
PELTEX.	100#	9.45	4.00	DRILL 7⅞ Hole.
TOUR 3		4.00	4.15	RIG SERV. CHECK B.O.P. - SHUT OFF.
250 PLASTER.	250#	4.15	12.00	DRILL 7⅞ HOLE.
SODA ASH.	500#			
PELTEX.	100#			
CAUSTIC	100#			
GEL	700#			

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

L. F. Grumley
SIGNATURE COMPANY ENGINEER

Pro-108-C

TOUR REPORT

CONTRACTOR Tri City

FIELD M.V.T. PROPERTY CROWN WELL No. 9-72

☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☐ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. April 1 19 69

CHEVRON ERBUTT 672 60° 21' 25" N 122° 28' 38" W

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS " D.P.	No. 58 3651 FT.	No. 58 3651 FT.	No. 58 3721 FT.
" D.P.	No. FT.	No. FT.	No. FT.
DOUBLE " D.P.	FT.	3158 FT.	FT.
SINGLE " O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR " O.D.	No. 10 2825 0 FT.	No. 10 2825 0 FT.	No. 2825 0 FT.
REAMER " O.D.	KIND FT.	KIND FT.	KIND FT.
STABLIZER " O.D.	KIND FT.	KIND FT.	KIND FT.
JARS	KIND 774 FT.	KIND 774 FT.	KIND 774 FT.
SAVER SUB.	KIND 148 FT.	KIND 148 FT.	KIND 148 FT.
BIT OR CORE BARREL	FT.	FT.	FT.
TOTAL D.P. & TOOLS	3946 61 FT.	3981 19 FT.	4012 87 FT.
KELLY DOWN (BELOW R.B.)	33 39 FT.	18 81 FT.	24 13 FT.
DEPTH OF TOOLS	3980 00 FT.	4000 00 FT.	4037 00 FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	3983 FEET	4000 FEET	4037 FEET
DEPTH START OF TOUR	3945 FEET	3983 FEET	4000 FEET
FOOTAGE DRILLED	38 FEET	17 FEET	37 FEET

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL — WORK DONE
Kind	Amount			
TOUR 1		12:00	1:30	DRILL 7⅞ HOLE
GEL - 1000#	- 1000 LBS	1:30	1:45	RIG SERVICE & B.O.P.
		1:45	8:00	DRILL 7⅞ HOLE
TOUR 2		8:00	8:15	SERVICE RIG & CHECK B.O.P.
Gel	700#	8:15	10:15	DRILL 7⅞ Hole.
Caustic	50#	10:15	12:00	DROP SURVEY PULL FOR B.I.T.
		12:00	1:00	LAY DOWN CORE BBL.
		1:00	2:30	RUN IN W/ B.I.T.
		2:30	3:15	CLEAN TO BOTTOM.
		3:15	4:00	DRILL 7⅞ Hole.
TOUR 3		4:00	4:15	DRILL 7⅞" HOLE.
PELTEX	50#	4:15	4:30	RIG SERV + CHECK B.O.P.
CAUSTIC	50#	4:30	12:00	DRILL 7⅞ HOLE.

DAY WORK 2	HOURS											
	2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	3.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE p.s.i.	550	550	550	550	TRIP		450	450	450	450	500	500
ROTARY SPEED r.p.m.	60	60	60	60			65	65	65	65	65	65
WEIGHT ON BIT Tons	11	11	11	11			11	11	11	11	11	11
p.H.		10.5		10.5			11	11.0	11.0	11.0	10.5	11.
MUD WEIGHT #/gal.	9-2	9.2	9.2	9.2			9.1	9.2	9.2	9.2	9.2	9.2
MUD VISCOSITY Sec.	37	36	36	36			40	40	40	39	39	47
MUD CAKE WATER LOSS 32nds c.c.		2/32		10 2/32			2/32 9.0	2/32 8.8	2/32 8.8	2/32 9.0	2/32 9.0	2/32 10.4
PIT VOLUME Pt.-Ins.		502										

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recovy	BIT CONDITION
9a	7⅞	8832	H.W - X55R.	65	3651	3995	344		FAIR. 2-2-I
10	7 7/8	9854	H.W X55R 3-15/32S	12¾	3995				

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	E. LUISELLE	H. JANDL.	E. DUPERRON
DERRICKMAN TOOL DRSR. ☐	E. ROWLAND	K. WILSON.	F. ROUTHIER.
HELPER	J. MOORE	B. HATCH.	G. CAMPBELL.
HELPER	H. ALLEN	R. DUIGOU.	
HELPER			
FIREMAN			
TOOL PUSHER	J. G. Carroll		

DEVIATION RECORD		
Kind	Depth	Reading
SS.	3985	2°

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

SIGNATURE COMPANY ENGINEER

Pro-161-CS

TOUR REPORT

CONTRACTOR Tri-City

FIELD N.W.T PROPERTY CROWN WELL No. G-72

☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☐ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. MARCH 30 1969

CHEVRON C-5 ELBUTT ~~G-72~~ G-72 60° 21' 25" N 122 28 ..

	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
DRILLING ASSEMBLY			
STANDS " D.P.	NO. 56 3~~5~~ 40 5 4 FT.	NO. 57 3595335 FT.	NO. 57 3595335 FT.
" D.P.	NO. 3532905 FT.	NO. FT.	NO. 1 3088 FT.
DOUBLE " D.P.	FT.	FT.	FT.
SINGLE " O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR " O.D	NO. 10 2825 0 FT.	NO. 10 2825 0 FT.	NO 10 2825 0 FT.
REAMER " O.D.	KIND FT.	KIND FT.	KIND FT.
STABLIZER " O.D.	KIND 774 FT.	KIND 774 FT.	KIND 774 FT.
JARS	KIND 148 FT.	KIND 148 FT.	KIND 148 FT.
BUMPER SUB.	FT.	FT.	FT.
BIT OR CORE BARREL	FT.	FT.	FT.
TOTAL D.P. & TOOLS	3822462 FT.	3887077 FT.	3917795 FT.
KELLY DOWN (BELOW R.B.)	27388 FT.	9933 FT.	27055 FT.
DEPTH OF TOOLS	3850 FT.	3897100 FT.	3944500 FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	3852 FEET	3897 FEET	3945 FEET
DEPTH START OF TOUR	3812 FEET	3852 FEET	3897 FEET
FOOTAGE DRILLED	40 FEET	45 FEET	48 FEET

MUD and CHEMICALS ADDED		From	To
Kind	Amount		
TOUR 1		12.00	1.45
GEL	170#	1.45	2.00
CAUSTIC	50#	2.00	8.00
TOUR 2		8.00	9.15
Gel	1000#	9.15	9.30
CMC	50#	9.30	4.00
Caustic	50#		
Peltex.	100#		
TOUR 3		4.00	4.15
GEL	2000#	4.15	12.00
CAUSTIC	500#		
PELTEX.	50#		
C.M.C	50#		

OTHER HOURLY OPERATING DETAIL

WORK DONE
DRILL 7⅞ HOLE
RIG SERV - BOP
DRILL 7⅞ - HOLE
DRILL 7⅞ Hole.
SERVICE RIG & CHECK B.O.P.
DRILL 7⅞ Hole.
RIG SERV & CHECK B.O.P.
DRILL 7⅞" HOLE.

DAY WORK	HOURS											
	2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE p.s.i.	550	550	550	550	500	500	500	500	500.	500	500.	50
ROTARY SPEED r.p.m.	60	60	60	60	65	60	65	65	65	65.	65.	65
WEIGHT ON BIT Tons	11	11	11	11	11	11	11	11	11	11	11	11
p.H.		11		11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
MUD WEIGHT #/gal.	9.2	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.2
MUD VISCOSITY Sec.	34	33	37	37	37	42	38	37	36.	36	34	42.
MUD CAKE 32nds WATER LOSS c.c.		9.2		10.5	10.6	7.8	8.6	8.4	9.8	10.4	10	
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recovy	BIT CONDITION
9	7⅞	8832	HW X55R	55¼	3651	3945	294		DRLG.

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	E. LOISELLE	H. JANDL.	E. DUPERROW
DERRICKMAN ☐ TOOL DRSR. ☐	G. HOWRAND	K. WILSON.	E. ROUTHIER.
HELPER	J. MOORE	B. HATCH	G. CAMPBELL
HELPER	R. WIZNIK	R. DUIGOU.	D. ROBLIN.
HELPER			
FIREMAN			
TOOL PUSHER	J. E. Connell		

DEVIATION RECORD		
Kind	Depth	Reading

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

L. F. Gamble
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR JAI-CITY

FIELD N.W.T PROPERTY CROWN WELL No. G-72

☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☐ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. MARCH 30 1969

Chevron CS Ebbutt G-72 62° 21' 25"N 122° 28' 38"W

	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
DRILLING ASSEMBLY			
STANDS " D.P.	NO. 3468 FT.	NO. 34706 FT.	NO. 55 734778 FT.
" D.P.	NO. FT.	NO. FT.	NO. FT.
DOUBLE " D.P.	FT.	FT.	1 31 18 FT.
SINGLE " O.D.	3164 FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR " O.D.	NO. 2825 0 FT.	NO. 10 2825 0 FT.	NO. 10 2825 0 FT.
REAMER " O.D.	KIND FT.	KIND FT.	KIND FT.
STABLIZER " O.D.	KIND FT.	KIND FT.	KIND 774 FT.
JARS	KIND 779 FT.	KIND 774 FT.	KIND 774 FT.
~~BUMPER~~ SUB.	KIND 1488 FT.	KIND 1488 FT.	KIND 1488 FT.
BIT OR CORE BARREL	FT.	FT.	FT.
TOTAL D.P. & TOOLS	3730 34 FT.	37692 98 FT.	379296 FT.
KELLY DOWN (BELOW R.B.)	156 FT.	1222 FT.	1904 FT.
DEPTH OF TOOLS	37380 0 FT.	377400 FT.	381200 FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	3738 FEET	3774 FEET	3812 FEET
DEPTH START OF TOUR	3701 FEET	3738 FEET	3774 FEET
FOOTAGE DRILLED	37 FEET	36 FEET	38 FEET

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL — WORK DONE
Kind	Amount			
TOUR 1		12:00	12:15	RIG SERVICE + B.O.P.
GEL	500#	12:15	8:00	DRILL 7 7/8 HOLE
TOUR 2		8:00	8:15	SERVICE RIG + Check B.O.P.
		8:15	4:00	DRILL 7 7/8 Hole.
TOUR 3		4:00	4:15	RIG SERV. + CHECK B.O.P.
GEL	12.00 #	4:15	12:00	DRILL 7 7/8" HOLE.
CAUSTIC.	100 #			
C.M.C.	50 #			
PELTEX.	100 #			

DAY WORK	HOURS 2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE p.s.i.	500	500	500	500	550	550	550	700	800	800	700	700
ROTARY SPEED r.p.m.	60	60	60	60	65	65	65	65	65	65	65	65
WEIGHT ON BIT Tons	11	11	11	11	11	11	11	11	11	11	11	11
p.H.		11			11	11	11	11	11	10	10	10.5
MUD WEIGHT #/gal.	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.3	9.3	9.1	9.1
MUD VISCOSITY Sec.	33	35	40	38	36	36	36	37	42	42	37	36
MUD CAKE WATER LOSS 32nds c.c.	9.2 2/32		9.2 2/32	2/32 9.6	2/32 9.2	2/32 9.6	2/32 9.6	2/32 10.		2/32 8.	2/32 8.8	2/32
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recovy	BIT CONDITION
~~#9~~	7 7/8	8832	H.L. Y-537	32.	3651	3812	161		DRLG.

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	E. Lunders	H. JANDL.	E. DUPERRON
DERRICKMAN ☐ TOOL DRSR. ☐	G. Rousseau	K. WILSON.	E. ROUTHIER.
HELPER	J. MOORE	B. HATCH.	G. CAMPBELL
HELPER	R. NICKLE	R. Duigou.	D. ROBLIN.
HELPER			
TEMAN			
OOL PUSHER	V.C. Carroll		

DEVIATION RECORD		
Kind	Depth	Reading

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

E F Gruenhagen
SIGNATURE COMPANY ENGINEER

161-CS

TOUR REPORT

CONTRACTOR Tri-City

Chevron CS Ebbutt C-72 62°21' 25"N 122° 28' 38" W

FIELD N.W.T PROPERTY Crown WELL No. C-72

☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☐ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. Mar. 29 1969

	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
DRILLING ASSEMBLY			
STANDS " D.P.	NO. 53 3343777 FT.	NO. 53 3343777 FT.	NO. 53. 3375151 FT.
" D.P.	NO. FT.	NO. FT.	NO. 1 3155 FT.
DOUBLE " D.P.	FT.	FT.	FT.
SINGLE " O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR " O.D.	NO. 10 2825 0 FT.	NO. 10 2825 0 FT.	NO. 2825 0 FT.
REAMER " O.D.	KIND FT.	KIND FT.	KIND FT.
STABLIZER " O.D.	KIND FT.	KIND FT.	KIND FT.
JARS	KIND 148 FT.	KIND 774 FT.	KIND 774 FT.
~~BUMPER~~ SUB.	148 FT.	148 FT.	148 FT.
BIT OR CORE BARREL	FT.	FT.	FT.
TOTAL D.P. & TOOLS	3622775 FT.	3635499 FT.	3674784 FT.
KELLY DOWN (BELOW R.B.)	1025 FT.	21511 FT.	3000 FT.
DEPTH OF TOOLS	3647800 FT.	3657100 FT.	3701784 FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	3678 FEET	3657 FEET	3701 FEET
DEPTH START OF TOUR	3595 FEET	3638 FEET	3657 FEET
FOOTAGE DRILLED	83 FEET	19 FEET	44 FEET

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL — WORK DONE
Kind	Amount			
TOUR 1		12 ~~=~~	12[illegible]	Rig Service - B.O.P.
		12[illegible]		Drill 7¾ Hole
TOUR 2		~~8~~	10[illegible]	Drill 7⅞ Hole.
Gel	700#	10[illegible]	11[illegible]	Drop Survey, Service, Check B.O.P. Pull out.
C.M.C.	50#	11[illegible]	12[illegible]	Clean Suction Tank, Slipline, Pickup Jars & Make up
Caustic.	50#	12[illegible]		Run in Hole, unable to get through casing
			2[illegible]	Pull out, Put on bit guide, Run in.
		2[illegible]	3[illegible]	Clean out to Bottom.
		3[illegible]	4[illegible]	Drill 7⅞ Hole.
TOUR 3		4.00	7.00	Drill 7⅞" Hole.
Water		7.00	7.15	Rig Serv. Check B.O.P.
Caustic.	50 LB.	7.15	12.00	Drill 7⅞" Hole.

DAY WORK	HOURS 2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	3.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE p.s.i.	450	450	450	450			500			500	500	500
ROTARY SPEED r.p.m.	60	60	60	60			60			60	60	60
WEIGHT ON BIT Tons	11	11	11	11			11			11	11	11
p.H.	10		10				11			11	10.	10.
MUD WEIGHT #/gal.	9.3	9.3	9.2	9.2	9.2		9.3			9.2	9.2	9.2
MUD VISCOSITY Secs.	30	30	37	36	37		43			39.	37.	37.
MUD CAKE 32nds WATER LOSS c.c.			10-2				7/32 7.8			7/32 8.4	7/32 7.8	7/32 8
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recov'y	BIT CONDITION
RR'd	7¾	209728	Sec M 88	65	3421	3651	413		Locked.
~~9~~	7⅞	8832	X55R 3-15/32	8¾	3651	3791	50		DRLG.

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	E. Lovelle	H. Jandl.	E. Dipperon
DERRICKMAN TOOL DRSR.	G Richard	K. Wilson.	E Routhier.
HELPER	J Moore	B. Hatch.	E Campbell.
HELPER	R. Nizwik	R. Duigou.	D. Rorlin.
HELPER			
FIREMAN			
TOOL PUSHER	J. E. Prall		

DEVIATION RECORD		
Kind	Depth	Reading
S.S.	3651	2¾

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Jars in string at 3657 Top of 1st Two collars

L. F. Gruendler
SIGNATURE COMPANY ENGINEER

FIG-131-CS

TOUR REPORT

CONTRACTOR Jar City

FIELD N.W.T PROPERTY C.Pouini WELL No. G-72

☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☑ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. MARCH 28 1969

Chevron C.S. Ebbutt G-72 60° 21' 25"N 122° 28' 38"W

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS " D.P.	NO. 51 3217291 FT.	NO. 51 3217291 FT.	NO. 52 3260691 FT.
" D.P.	NO. FT.	NO. FT.	NO. FT.
DOUBLE " D.P.	FT.	3166 FT.	FT.
SINGLE " O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR " O.D.	NO. 10 2825 0 FT.	NO. 10 2825 0 FT.	NO. 2825 0 FT.
REAMER " O.D.	KIND FT.	KIND FT.	KIND FT.
STABLIZER " O.D.	KIND FT.	KIND FT.	KIND FT.
JARS	KIND 148 FT.	KIND 148 FT.	KIND 148 FT.
BUMPER SUB.	FT.	FT.	FT.
BIT OR CORE BARREL	3501273 FT.	3532933 FT.	3564673 FT.
TOTAL D.P. & TOOLS	13733 FT.	17073 FT.	30433 FT.
KELLY DOWN (BELOW R.B.)	3515100 FT.	3550000 FT.	3595510 FT.
DEPTH OF TOOLS			
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	3515 FEET	3550 FEET	3595 FEET
DEPTH START OF TOUR	3468 FEET	3515 FEET	3550 FEET
FOOTAGE DRILLED	47 FEET	35 FEET	45 FEET

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL — WORK DONE
Kind	Amount			
TOUR 1		12:00	12:15	Rig Service - B.O.P.
		12:15	8:00	Drill 7⅞ Hole
TOUR 2		8:00	8:30	Drill 7⅞ Hole.
Gel	700 lb	8:30	8:45	Service Rig + Check B.O.P.
C.M.C.	50"	8:45	4:00	Drill 7⅞ Hole.
Caustic	50"			
Peltex	50"			
TOUR 3		4:00	7:30	Drill 9⅞" Hole.
CAUSTIC.	50 LB.	7:30	7:45	Rig Serv.
		7:45	12:00	Drill 7⅞ Hole.

DAY WORK	HOURS 2:00 A.M.	4:00 A.M.	6:00 A.M.	8:00 A.M.	10:00 A.M.	12:00 A.M.	2:00 P.M.	4:00 P.M.	6:00 P.M.	8:00 P.M.	10:00 P.M.	12:00 P.M.
PUMP PRESSURE p.s.i.	400	400	400	400	400	400	400	400	400	750	450	450
ROTARY SPEED r.p.m.	60	60	60	60	60	70	70	70	70	80	80	80
WEIGHT ON BIT Tons	11	11	11	11	11	12	12	12	12	12	12	12
p.H.		10		10.5	10.5	10.5	10.5	10.5	10.5	10.5	10	1
MUD WEIGHT #/gal.	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
MUD VISCOSITY Sec.	37	37	37	37	38	41	37	37	37	37	37	36
MUD CAKE / WATER LOSS 32nds c.c.		9.3 2/32		2/32 8	7.8	2/32 7	7.4	2/32 7.8	2/32 8.2	2/32 8	2/32 8.4	3/32
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recov'y	BIT CONDITION
9	7⅞	204728	SEC M88 (RE-RUN)	55¼	3421	3595	366		DRLG.

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	F. LOISELLE	H. JANDL.	E. DUPERRON
DERRICKMAN ☐ TOOL DRSR. ☐	E. ROWLAND	K. WILSON.	E. ROUTHIER.
HELPER	J. MOORE	B. HATCH.	G. CAMPBELL
HELPER	A. NIZNIK	R. DUIGOU.	D. ROBLIN.
HELPER			
FIREMAN			
ENGINEER			

DEVIATION RECORD		
Kind	Depth	Reading
S.S.		

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR Tri-City

FIELD N.W.T PROPERTY Crown WELL No. E-72

Chevron ESEbbutt C-72 60° 21' 25" N 122° 28' 38" W

☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☐ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. Mar 27 1969

	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
DRILLING ASSEMBLY			
STANDS " D.P.	NO. 49 3090883 FT.	NO. 49 3090833 FT.	NO. 50 321542 FT.
" D.P.	NO. FT.	NO. FT.	NO. FT.
DOUBLE " D.P.	FT.	3139 FT.	FT.
SINGLE " O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR " O.D.	NO. 10 2825.0 FT.	NO. 10 2825.0 FT.	NO. 10 2825.0 FT.
REAMER " O.D.	KIND FT.	KIND FT.	KIND FT.
STABLIZER " O.D.	KIND FT.	KIND FT.	KIND FT.
JARS	KIND FT.	KIND FT.	KIND FT.
BUMPER SUB.	148 FT.	148 FT.	148 FT.
BIT OR CORE BARREL	FT.	FT.	3~~4~~~~9~~00 FT.
TOTAL D.P. & TOOLS	3378.6 FT.	3406.20 FT.	3438.00 FT.
KELLY DOWN (BELOW R.B.)	31.14 FT.	20.80 FT.	30.00 FT.
DEPTH OF TOOLS	3409.90 FT.	3427.00 FT.	3468.00 FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	3406 FEET	3427 FEET	3468 FEET
DEPTH START OF TOUR	3400 FEET	3406 FEET	3427 FEET
FOOTAGE DRILLED	6 FEET	21 FEET	41 FEET

DAY WORK	HOURS 2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE p.s.i.	900	900	900	900	800		400	400	400.	400.	400	400.
ROTARY SPEED r.p.m.	100	100	60	60	100	T	60	60	80	80	80	80
WEIGHT ON BIT Tons	2.5	2.5	2.5	10	11	R	11	11	11	11	11	11
p.H.		10		10		1	11	10	9.		10.	10.
MUD WEIGHT #/gal.	9.3	9.3	9.7	9.3	9.2	P	9.3	9.3	9.3	9.1	9.2	9.2
MUD VISCOSITY Sec.	35	37	43	38	48		53	48	45.	38.	37	40.
MUD CAKE 32nds WATER LOSS c.c.		9.0 4/32		8.4			5.2	7			7.6	
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recovy	BIT CONDITION
8	7 3/8	196165	Sec. M44H	10½	3340	3400	60		REAM RAT HOLE
8	7 3/8	196165	Sec M44N	3 3/4	3400	3421	21		4-1-I
9	7 7/8	202728	Sec. M88 3-15/32 I.	9½	3421	3468	47		DRLG.

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	E. Loiselle	H. Jandl.	E. Duperron
DERRICKMAN TOOL DRSR. ☐	G. Rowland	K. Wilson.	F. Routhier.
HELPER	J. Moore	B. Hatch.	G. Campbell.
HELPER	R. Niznik	R. Duigou.	D. Roblin.
HELPER			
FIREMAN			
TOOL PUSHER	E. G. Caudell		

DEVIATION RECORD

Kind	Depth	Reading
S.S.	3421	2¼

MUD and CHEMICALS ADDED Kind	Amount	From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
TOUR 1		Rig	2:45	REAM RAT HOLE
Gel	1350	2:45	3:00	RIG SERVICE + B.O.P.
		3:00	7:00	REAM RAT HOLE
		7:00	9:00	DRILL- 7⅞ HOLE
TOUR 2		9:00	8:45	DRILL 7⅞ Hole.
Gel -	1200 lbs	8:45	9:00	SERVICE RIG + Check B.O.P.
Caustic.	50 lbs.	9:00	11:00	DRILL 7⅞ Hole.
Peltex.	50 lbs	11:00	2:15	Drop Survey TRIP FOR BIT.
C.M.C.	50 lbs	2:15	4:00	DRILL 7⅞ Hole.
TOUR 3		4:00	7:30	DRILL 7⅞ HOLE.
WATER ONE INCH STREAM		7:30	7:45	RIG SERV.
CAUSTIC	100	7:45		DRILL 7⅞" HOLE.
PELTEX	100			
GEL	600			

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

L F Gumbley
SIGNATURE COMPANY ENGINEER

161-CS

TOUR REPORT

CONTRACTOR Jar City Chevron C.S. Ebbutt G-72 62°21'25"N 122°28'38"W

FIELD N.W.T. PROPERTY Crown WELL No. G-72

☑ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☑ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. Mar 26 1969

	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
DRILLING ASSEMBLY			
STANDS " D.P.	NO. 47 2464 82 FT.	NO. ~~47~~ FT.	NO. 48 30276 3 FT.
" D.P.	NO. 1 3162 FT.	NO. 48 30276 3 FT.	NO. 5 FT.
DOUBLE " D.P.	FT.	FT.	3162 FT.
SINGLE " O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR " O.D.	NO. 10 FT.	NO. 10 2825 0 FT.	NO. 10 2825 0 FT.
REAMER " O.D.	KIND 2825 FT.	KIND FT.	KIND FT.
STABLIZER " O.D.	KIND FT.	KIND FT.	KIND FT.
JARS	KIND 148 FT.	KIND 148 FT.	KIND 148 FT.
~~BUMPER~~ SUB.	7171 FT.	7171 FT.	FT.
BIT OR CORE BARREL	3352 13 FT.	3383 32 FT.	3343 23 FT.
TOTAL D.P. & TOOLS	187 FT.	1668 FT.	1440 FT.
KELLY DOWN (BELOW R.B.)	3351 00 FT.	340000 FT.	3357 63 FT.
DEPTH OF TOOLS			
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	3354 FEET	3400 FEET	3357 FEET
DEPTH START OF TOUR	3340 FEET	3354 FEET	3340 FEET
FOOTAGE DRILLED	14 FEET	46 FEET	REAMING FEET

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL — WORK DONE
Kind	Amount			
TOUR 1		12:00	2:00	Cut Core #4
		2:00	2:15	Rig Service + B.O.P.
		2:15	3:30	Hoist Core Bbl.
		3:30	5:15	Recover Core + Service Core Bbl
		5:15	6:30	Run in With Core Bbl
		6:30	7:30	Clean To Bottom
		7:30	8:00	Cut Core #5
TOUR 2		8:00	11:45	Cut Core #5.
Gel	2000#	11:45	12:00	Service Rig + Check B.O.P.
Caustic	100#	12:00	3:00	Cut Core #5.
Pelter.	50#	3:00	4:00	Hoist Core #5.
TOUR 3		4:00	4.30	Hoist Core. #5.
WATER. IN		4.30	5.00	Recover Same.
STREAM.		5:00	7.00	W. O.D.
		7.00	8.30	Run in Hole.
		8.30	12:00	Ream Rat Hole.

DAY WORK	HOURS 2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE p.s.i.	550			600	700	700	700			800	900.	900
ROTARY SPEED r.p.m.	80			80	80	80	80			90	100	100
WEIGHT ON BIT Tons	8			8	8	8	8			2½	2½	2½
p.H.				10.5	11	11				10	10	10
MUD WEIGHT #/gal.	9.3			9.2	9.3	9.3				9.4	9.3	9.3
MUD VISCOSITY Sec.	37			38	41	41				44	39.	38
MUD CAKE 32nds WATER LOSS c.c.				2/32 7.2	2/32 7.4	2/32 7.8				2/32 8.6	2/32 8.	
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recovy	BIT CONDITION
1C	6¾		◇	9¼	3340	3400	60		
8.	7⅞	196165.	SEC. M44N. = 3 4/32.		3340				

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	E. Loiselle	H. Jandl	E. Duperron
DERRICKMAN ☐ TOOL DRSR. ☐	G. Rowland	K. Wilson.	E. Routhier.
HELPER	S. Moore	B. Hatch.	G. Campbell.
HELPER	B. Mizuk	R. Duigou.	D. Roblin
HELPER			
FIREMAN			
TOOL PUSHER	J.E. Powell		

DEVIATION RECORD

Kind	Depth	Reading

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Core #4 3340 - 3353 - recovered 12.6 feet

Core #5 3353 - 3400 - recovered 45.7 feet

14.40

.67

L E Gamble
SIGNATURE COMPANY ENGINEER

Prep-161-CS

TOUR REPORT

CONTRACTOR TRI CITY

Chevron CS Ellitt G-72 62° 21' 25" N 122° 28' 38" W

☑ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☑ ROTARY

FIELD Mac R PROPERTY Crown WELL No. G-72

FOR 24 HOURS ENDING 11 P.M. / 12 M. March 25 1969

	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
DRILLING ASSEMBLY			
STANDS " D.P.	NO. 47 — 2964 82 FT.	NO. 48 — 3021 63 FT.	NO. 47 — 2964 82 FT.
" D.P.	NO.	NO.	NO.
DOUBLE " D.P.	31 18 FT.		
SINGLE " O.D.	1		
" O.D.			
DRILL COLLAR " O.D.	NO. — 2822 50 FT.	NO. — 2825 0 FT.	NO. 10 — 2825 0 FT.
REAMER " O.D.	KIND	KIND	KIND
STABLIZER " O.D.	KIND	KIND	KIND
JARS	KIND	KIND	KIND — 148 FT.
BUMPER SUB.	188 FT.	148 FT.	711 FT.
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS	3279 98 FT.	3311 61 FT.	3320 51 FT.
KELLY DOWN (BELOW R.B.)	23 02 FT.	53 9 FT.	19 49 FT.
DEPTH OF TOOLS	3303 00 FT.	3317 09 FT.	3340 00 FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	3303 FEET	3317 FEET	3340 FEET
DEPTH START OF TOUR	3262 FEET	3303 FEET	3317 FEET
FOOTAGE DRILLED	41 FEET	14 FEET	23 FEET

DAY WORK	HOURS 2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE p.s.i.	700	700					750	700	700			
ROTARY SPEED r.p.m.	65	65					60	65	65	TRIP		
WEIGHT ON BIT Tons	11	11					11.5		11			
p.H.	9.5	9.5					9.5		11			
MUD WEIGHT #/gal.	9.2	9.2					9.2	9.2	9.2			
MUD VISCOSITY Sec.	35	35					42	36	38			
MUD CAKE / WATER LOSS 32nds c.c.	7.8	7.8					7.4		7.4			
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recovry	BIT CONDITION
7	7 7/8	202728	M 88	22½	3157	3340	183		Good.
1	6 1/8	67020	◊		3340				

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	B. Tichkewsky	P. Lonergan	H. Jandl.
DERRICKMAN TOOL DRSR.	M Campbell	G. Rowland	K. Wilson.
HELPER	D Robbin	J. Moore	B. Hatch.
HELPER	D Stogryn	R. Nizneh	R. Duigou.
HELPER			
FIREMAN			
TOOL PUSHER	J.C. Caudle		

DEVIATION RECORD

Kind	Depth	Reading

MUD and CHEMICALS ADDED Kind	Amount	From	To	OTHER HOURLY OPERATING DETAIL — WORK DONE
TOUR 1		12 00	3 00	DRILL 7 7/8" hole
		3 00	3 15	Rig service - check BOPS
		3 15	5 05	DRILL 7 7/8" hole
		5 05	8 00	WORK STUCK PIPE
TOUR 2		8:00	11:15	WORK STUCK PIPE
GELE	1000#	11:15	2:00	HOIST 10 STDS MIX MUD RUN IN CLEAN TO BOTTOM.
CAUSTIC	50#			
		2:00	4:00	DRILL 7 7/8 HOLE
TOUR 3		4 00	4 15	SERVICE RIG + CHECK B.O.P.
Gel	1000#	4 15	6 45	DRILL 7 7/8 Hole.
Caustic	50#	6 45	7 45	CIRC. SAMPLE.
Pelter.	50#	7 45	9 30	PULL OUT (double S.L.M.)
		9 30	10 00	PICK UP CORE BBL + JARS + MAKEUP.
		10 00	11 15	RUN IN HOLE.
		11 15	12 00	CRAN OUT FILL TO BOTTOM. + CIRC.

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

5 45 - 6 15 Worked on washout in drill -30' off bottom
Pipe stuck. Worked pipe 80' Till 11 15 pm - came loose.

Double strap at 3340
Strap Tally 3348.07
Board Tally 3347.01
Diff 1.06
No correction made

Rig visited by: Frank McCall Regional Director of Resources N.W.T.
Mel Brown Mining Inspector N.W.T.
Don Willstead Supt of Forests N.W.T.
Bernie Gauthier - Forest Management Ft Simpson

FIRST CLASS CAMP DRILL RIG
25 MARCH 1969
COURTESY CHEVRON

J.C. Caudle — Engineer - Mining Engineer
Willstead
B.B. Gauthier
SIGNATURE COMPANY ENGINEER

D-161-CS

TOUR REPORT

CONTRACTOR Tri City Rig 4

CHEVRON CS EBBUTT G-72 62°-21'-25" N 122°-28'-38" W

FIELD N. W.T. PROPERTY CROWN WELL No. G-72

☑ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☑ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. March 24 1969

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS " 4½ D.P.	No. 45 — 2838410 FT.	No. 46 — 2901555 FT.	No. 47 — 2964820 FT.
" D.P.	No.	No.	No.
DOUBLE " D.P.			
SINGLE " O.D.			
" O.D.			
DRILL COLLAR " 6¼ O.D.	No. — 28250 FT.	No. 10 — 28250 FT.	No. 10 — 28250 FT.
REAMER " O.D.	KIND	KIND	KIND
STABLIZER " O.D.	KIND	KIND	KIND
JARS	KIND	KIND	KIND
BUMPER SUB.	KIND — 148 FT.	KIND — 148 FT.	KIND — 148 FT.
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS	3122399 FT.	3185530 FT.	3248800 FT.
KELLY DOWN (BELOW R.B.)	33361 FT.	11470 FT.	13200 FT.
DEPTH OF TOOLS	3156000 FT.	3197000 FT.	3262000 FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	3156 FEET	3197 FEET	3262 FEET
DEPTH START OF TOUR	3095 FEET	3156 FEET	3197 FEET
FOOTAGE DRILLED	61 FEET	41 FEET	65 FEET

DAY WORK	8 HOURS				HOURS							HOURS
	2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE p.s.i.	400	400	400			750	750	700	700	700	700	
ROTARY SPEED r.p.m.	60	60	60			60	60	60	65	65	65	
WEIGHT ON BIT Tons	11½	11½	11½			11½	11½	11	11	11	11	
p.H.	9.5	9.5	9.5			10	10	10.5	11	11	11	
MUD WEIGHT #/gal.	9.2	9.2	9.1			9	9	9.1	9.1	9.1	9.1	
MUD VISCOSITY Sec.	34	35	37			33	35	34	36	36	35	
MUD CAKE / WATER LOSS 32nds c.c.	10 8	8.6	8.6 2/32			10 1/32		1/32 7.8	2/32 7.5	1/32 7.6	2/32 7.5	
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recovy	BIT CONDITION
6	7 7/8	98416	HW X55R	58¼	2677	3156			
6	7 7/8	98416	V55R	58½	2677	3157	480		2-1-1
7	7 7/8	202728	SEC M88	12½	3157	3262	105		DRLG.

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	A. Tichkowsky	E. Lorenz	H. Jandl
DERRICKMAN TOOL DRSR. ☐	N. Campbell	E. Rowland	K. Wilson
HELPER	D. Robbins	J. Moore	B. Hatch
HELPER	D. Stogryn	A. Nienhuis	R. Duigou
HELPER			
FIREMAN			
TOOL PUSHER	J.E. Powell		

DEVIATION RECORD

Kind	Depth	Reading
S.S.	3126	1°/8

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL — WORK DONE
Kind	Amount			
TOUR 1		12:00	2:00	DRILL 7⅞" hole
GEL	1000#	2:00	2:15	R.g SERVICE — CHECK B.O.P.S
CAUSTIC	100#	2:15	8:00	DRILL 7⅞" hole
PELTEX	50#			
CMC	50#			
TOUR 2		8:00	8:15	DRILL 7⅞ HOLE
GEL	1000#	8:15	8:30	RIG SERVICE + B.O.P. DRAW SURVEY
PELTEX	50#	8:30	9:45	HUNT BIT #6
CAUSTIC	50#	9:45	10:00	SLIP DRILLING LINE
		10:00	11:30	RUN IN BIT #7
		11:30	4:00	DRILL 7⅞ HOLE
TOUR 3		4:00	4:15	SERVICE RIG + CHECK B.O.P.
Gel	1000#	4:15	12:00	DRILL 7⅞ Hole.
Caustic	50#			
Peltex.	50#			

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

L F Grumbley
SIGNATURE COMPANY ENGINEER

Pro-161-CS

TOUR REPORT

CONTRACTOR Tri City Rig 4

CHEVRON CS ERBUTT G-72 62°- 21'- 25" N 122° 28' 38" W

FIELD N W T PROPERTY CROWN WELL No. G-72

☑ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☑ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. March 23 19 69

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS " 4½ D.P.	NO. 42 2650 3 9 FT.	NO. 2722 3 3 FT.	NO. 44 2775 3 8 FT.
" D.P.	NO. FT.	NO. FT.	NO. FT.
DOUBLE " D.P.	FT.	FT.	FT.
SINGLE " O.D.	FT.	FT.	31 61 FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR " 6¼ O.D.	NO. 10 252 50 FT.	NO. 10 282 50 FT.	NO. 10 282 50 FT.
REAMER " O.D.	KIND FT.	KIND FT.	KIND FT.
STABLIZER " O.D.	KIND FT.	KIND FT.	KIND FT.
JARS	KIND FT.	KIND FT.	KIND FT.
BUMPER SUB.	KIND 148 FT.	KIND 148 FT.	KIND 148 FT.
BIT OR CORE BARREL	FT.	FT.	FT.
TOTAL D.P. & TOOLS	2934 37 FT.	2936 31 FT.	3090 97 FT.
KELLY DOWN (BELOW R.B.)	2963 FT.	2869 FT.	403 FT.
DEPTH OF TOOLS	2964 00 FT.	3025 0 FT.	3095 00 FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	2964 FEET	3025 FEET	3095 FEET
DEPTH START OF TOUR	2896 FEET	2964 FEET	3025 FEET
FOOTAGE DRILLED	68 FEET	61 FEET	70 FEET
DAY WORK	8 HOURS	HOURS	HOURS

	2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE p.s.i.	400	400	400	400	400	400	400	400	400	400	400	
ROTARY SPEED r.p.m.	65	65	65	65	65	65	65	65	65	65	65	
WEIGHT ON BIT Tons	11½	11½	11½	11½	11½	11½	11½	11	11	11	11	
p.H.	9.5	9.5	9.5	11				9.5	10.5	10.5	10.5	
MUD WEIGHT #/gal.	8.9	9.0	8.9	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.1	
MUD VISCOSITY Sec.	36	40	40	33	35	36	37	36	36	35	35	
MUD CAKE 32nds	1	1	1			2		2	2	2	2	
WATER LOSS c.c.	10.2	10.2	10.			10.0		10.	10.2	10.	10.0	
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recov'y	BIT CONDITION
6	7⅞	98416	X 55R	35¾	2677	2964	287		
6	7⅞	98416	X55R. H.W.	50½	2677	3095	418		DRLG.

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	A. TCHAWSKY	F. LOUSELLE	H. JANDL.
DERRICKMAN ☐ TOOL DRSR. ☐	N CAMPBELL	G ROWLAND	K. WILSON.
HELPER	D RABLIN	J. MOORE	B. HATCH.
HELPER	D STUGRYN	R NIZNIK	R. DUIGOU.
HELPER			
FIREMAN			
TOOLPUSHER	J.B. Powell		

DEVIATION RECORD

Kind	Depth	Reading
S.S.	2906	7/8

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL / WORK DONE
Kind	Amount			
TOUR 1		12 00	1.15	DRILL 7⅞" hole
GEL	600#	1.15	1.30	SURVEY - Rig Service
CMC	50#	1.30	8.00	DRILL 7⅞" hole
CAUSTIC	50#			
PELTEX	50#			
TOUR 2		8:00	8:30	DRILL 7⅞ HOLE
CAUSTIC	50#	8:30	8:45	RIG SERVICE & B.O.P.
PELTEX	50#	8:45	12:30	DRILL 7⅞ HOLE
GEL.	1000#	12:30	12:45	CIRC. HOLE
		12:45	1:15	MAKE 10 STD DUMMY TRIP
		1:15	4:00	DRILL 7⅞ HOLE
TOUR 3		4:00	4:45	DRILL 7⅞ Hole.
PELTEX	50#	4:45	5:00	SERVICE RIG + CHECK B.O.P.
CAUSTIC.	50#	5:00	12:00	DRILL 7⅞ Hole.

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

L T Gumby
SIGNATURE COMPANY ENGINEER

P-161-CS

TOUR REPORT

CONTRACTOR Tri City

Chevron CS Ebbutt G-72 62°-21'-25"N 122° 28' 38" W.

FIELD N.W.T PROPERTY CROWN WELL No. G-72

☑ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☑ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. MARCH 22 1969

	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
DRILLING ASSEMBLY			
STANDS " 4½ D.P.	NO. 39 2460 81 FT.	NO. 40 2524 11 FT.	NO. 41 2587 05 FT.
" D.P.	NO. FT.	NO. FT.	NO. FT.
DOUBLE " D.P.	FT.	FT.	FT.
SINGLE " O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR " 6½ O.D.	NO. 10 2825 0 FT.	NO. 10 2825 0 FT.	NO. 2825 0 FT.
REAMER " O.D.	KIND FT.	KIND FT.	KIND FT.
STABLIZER " O.D.	KIND FT.	KIND FT.	KIND FT.
JARS	KIND 148 FT.	KIND 148 FT.	KIND 148 FT.
BUMPER SUB.	FT.	FT.	FT.
BIT OR CORE BARREL	FT.	FT.	FT.
TOTAL D.P. & TOOLS	27447 9 FT.	2808.09 FT.	28710 3 FT.
KELLY DOWN (BELOW R.B.)	2721 FT.	2391 FT.	2497 FT.
DEPTH OF TOOLS	27720 0 FT.	2832.0 0 FT.	28960 0 FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	2772 FEET	2832 FEET	2896 FEET
DEPTH START OF TOUR	2712 FEET	2772 FEET	2832 FEET
FOOTAGE DRILLED	60 FEET	60 FEET	64 FEET

DAY WORK	8 HOURS	2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE	p.s.i.	400	400	400	400	400	400	400	400	400	400	400	
ROTARY SPEED	r.p.m.	80	80	80	80	60	60	60	60	70	60	70	
WEIGHT ON BIT	Tons	10	10	10	10	10	10	10	10	10	10	10	
D.H.		11	11	11	10		11		10.5		9.5	9.5	
MUD WEIGHT	#/gal.	9.0	9.0	9.0	9.0	9.0	8.0	8.5	8.7	8.8	8.9	8.9	
MUD VISCOSITY	Sec.	42	44	43	40	35	36	37	39	38	37	37	
MUD CAKE / WATER LOSS	32nds c.c.	8.7 1/32	8.7	8.2	8.4 1/32		8.7 1/32		23.		2/32 11.8	1/32 9.2	
PIT VOLUME	Ft.-Ins.												

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL — WORK DONE
Kind	Amount			
TOUR 1		12 00	12 45	DRILL 7⅞" Hole
		12 45	1.00	Rig Service
GEL	900 #	1.00	8 00	DRILL 7⅞" hole
CAUSTIC	50 #			
PELTEX	50 #			
TOUR 2		8:00	9:15	DRILL 7⅞ HOLE
PELTEX	550 #	9:15	9:30	RIG SERVICE + B.O.P.
CAUSTIC	200 #	9:30	3:00	DRILL 7⅞ HOLE
PLASTER PARIS	1350 #	3:00	3:15	CLEAN SUCTION TANK
		3:15	4:00	DRILL 7⅞ HOLE
TOUR 3		400	5:15	DRILL 7⅞ Hole.
PELTEX	100 #	5:15	5:30	SERVICE RIG + Check B.O.P.
CAUSTIC.	100 #	5:30	12:00	DRILL 7⅞ Hole.
CMC	200 #			
GEL.	1000 #			

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recov'y	BIT CONDITION
6	7⅞	98416	X 55R H.W	28	2677	2896	219		DRLG.

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	A. TICHKOWSKY	E. LOISELLE	H. JANDL.
DERRICKMAN ☐ TOOL DRSR. ☐	N CAMPBELL	G. ROULAND	K. WILSON.
HELPER	D ROBLIN	J. MOORE	B. HATCH.
HELPER	D STOGRYN	R. NIZNIK	R. DUIGOU.
HELPER			
FIREMAN			
TOOL PUSHER	J.E. Cavell		

DEVIATION RECORD

Kind	Depth	Reading

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

L. F. Grumbles
SIGNATURE COMPANY ENGINEER

Pro-161-CS

TOUR REPORT

CONTRACTOR TRI CITY

Chevron ES Ebbutt G-72 62°21'25"N 122°28'38"W

FIELD WILD CAT N.W.T. PROPERTY CROWN WELL No. G-72

☑ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☑ ROTARY

FOR 24 HOURS ENDING 12 M. March 21 1969

	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
DRILLING ASSEMBLY			
STANDS " D.P.	NO. 37 2334488 FT.	NO. 38 2397700 FT.	NO. 37 2334488 FT.
" D.P.	NO. FT.	NO. FT.	NO. 1 3160 FT.
DOUBLE " D.P.	FT.	FT.	FT.
SINGLE " O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR " O.D.	NO. 16 2822540 FT.	NO. 10 2822500 FT.	NO. 2822500 FT.
REAMER " O.D.	KIND FT.	KIND FT.	KIND FT.
STABLIZER " O.D.	KIND FT.	KIND FT.	KIND FT.
JARS	KIND 1488 FT.	KIND 1488 FT.	KIND 1488 FT.
BUMPER SUB.	FT.	FT.	FT.
BIT OR CORE BARREL	261846 FT.	2681168 FT.	2650006 FT.
TOTAL D.P. & TOOLS	15544 FT.	30324 FT.	269944 FT.
KELLY DOWN (BELOW R.B.)	263900 FT.	271200 FT.	267706 FT.
DEPTH OF TOOLS			
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	2634 FEET	2712 FEET	2771 FEET
DEPTH START OF TOUR	2599 FEET	2677 FEET	2634 FEET
FOOTAGE DRILLED	35 FEET	35 FEET	43 FEET

DAY WORK	HOURS 2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE p.s.i.	300	300	300	300	300	300	300		400		400	
ROTARY SPEED r.p.m.	95	95	115	90	95	100	95		80		80	
WEIGHT ON BIT Tons	8	8	8	10	10	10	10		10		10	
p.H	11	11	11	11	11	11	11		10.5		10.5	
MUD WEIGHT #/gal.	9	9	8.9	8.9	9.0	9.0	9.0		9.0		8.9	
VISCOSITY Sec.	45	43	44	42	44	39			40		45	
CAKE LOSS 32nds c.c.	7 1/32	7.2 2/32	7.2 2/32	7.9 2/32		8.2 2/32			2/32 10.2		2/32 7.4	
MUD ADDED Ft.-lbs.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recovy	BIT CONDITION
5	7 7/8	7886	HW XV	13	2599	2677	78		4-2-1
6	7 7/8	9846	HW X55R 3-11/32	5	2677	2712	35		IN.

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	A. TICHKOWSKY	E. LOISELLE	H. JANDL.
DERRICKMAN ☐ TOOL DRSR. ☐	N. CAMPBELL	E. RUNLAND	K. WILSON.
HELPER	D. ROBLIN	J. MOORE	B. HATCH.
HELPER	D. STOGRYN	R. NITNIE	R. DUIGOU.
HELFER			
FIREMAN			
TOOL PUSHER	J.L. Purdle		

DEVIATION RECORD

Kind	Depth	Reading
SS	2622	1 1/4
"	2 53	2°

MUD and CHEMICALS ADDED Kind	Amount	From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
TOUR 1		12 00	12 30	PULL OUT CHANGE BITS
GEL	1000#	12 30	1 30	RUN IN W/BIT
CAUSTIC	50#	1 30	1 45	CLEAN OUT TO BOTTOM 30FT FILL
PELTEX	50#	1 45	2 15	DRILL 7 7/8" hole
		2 15	2 30	WORK ON PUMP
		2 30	6 00	DRILL 7 7/8" hole
		6 00	6 15	SURVEY
		6 15	8 00	DRILL 7 7/8" hole
TOUR 2		8:00	10:30	DRILL 7 7/8 HOLE
CAUSTIC	50#	10:30	10:45	RIG SERVICE & B.O.P.
PELTEX	50#	10:45	3:15	DRILL 7 7/8 HOLE
GEL	500#	3:15	3:30	SURVEY
		3:30	4:00	HOIST BITS (WORKING PIPE IN TIGHT HOLE 30' OFF BOTTOM
TOUR 3		4 00	4 30	WORK PIPE (THROUGH TIGHT HOLE)
C.M.C.	50 lbs.	4 30	5 30	PULL OUT.
PELTEX.	50 lbs.	5 30	5 45	SERVICE RIG & CHECK B.O.P.
CAUSTIC.	50 lbs.	5 45	6 45	RUN IN HOLE.
GEL	1000 lbs.	6 45	7 00	CLEAN TO BOTTOM.
		7 00	12 00	DRILL 7 7/8 HOLE.

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

L F Gumbley
SIGNATURE COMPANY ENGINEER

Imp-141-CS

TOUR REPORT

CONTRACTOR TRI CITY

Chevron C.S. Ebbutt G-72 62° 21' 25"N 122° 28' 38"W

☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☑ ROTARY

FIELD WILD CAT PROPERTY CROWN WELL No. G-72

FOR 24 HOURS ENDING 11 P.M. / 12 M. March 20 1969

	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
DRILLING ASSEMBLY			
STANDS " D.P.	NO. FT.	NO. FT.	NO. 36 2271198 FT.
" D.P.	NO. FT.	NO. FT.	NO. FT.
DOUBLE " D.P.	FT.	FT.	NO. 1 3167 FT.
SINGLE " O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR " O.D.	NO. FT.	NO. FT.	NO. 10 28250 FT.
REAMER " O.D.	KIND FT.	KIND FT.	KIND FT.
STABLIZER " O.D.	KIND FT.	KIND FT.	KIND FT.
JARS	KIND FT.	KIND FT.	KIND 148 FT.
BUMPER SUB.	FT.	FT.	FT.
BIT OR CORE BARREL	FT.	33 FT.	FT.
TOTAL D.P. & TOOLS	FT.	23 FT.	FT.
KELLY DOWN (BELOW R.B.)	FT.	FT.	1217 FT.
DEPTH OF TOOLS	FT.	FT.	25990 FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	FEET	FEET	2599 FEET
DEPTH START OF TOUR	FEET	FEET	2563 FEET
FOOTAGE DRILLED	FEET	FEET	FEET

DAY WORK	2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
HOURS												
PUMP PRESSURE p.s.i.										200		
ROTARY SPEED r.p.m.										120		
WEIGHT ON BIT Tons										4		
p.H.	11									10.5		
MUD WEIGHT #/gal.	9									8.9		
MUD VISCOSITY Sec.	50									40		
MUD CAKE 32nds / WATER LOSS c.c.	6.4 3/32									1/32 82		
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recov'y	BIT CONDITION
4	7 7/8	910165	M4N Sec.	3	(Reaming) 2563	2599	34		3-4-1

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	B. Tuchkowski	F. Loiselle	H. Jandl
DERRICKMAN ☐ TOOL DRSR. ☐	N. Campbell	G. Rowland	K. Wilson.
HELPER	D Robbin	J. Moore	B. Hatch.
HELPER	D Stogryn	A. Nizhik	R. Duigou.
HELPER			
FIREMAN			
TOOL PUSHER	J.P. Carroll		

DEVIATION RECORD

Kind	Depth	Reading

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL — WORK DONE
Kind	Amount			
TOUR 1		12 00	1 45	CIRC Hole CON mud
GEL	1000#	1 45	3 00	Pull out
PolTex	150#	3 00	5 00	Pick up Testing Tools - make up same
CausTIC	100#	5 00	8 00	Run in W/ Packer unable to get THRough Csg
TOUR 2		8:00	8:15	Rig Service & B.O.P.
		8:15	10:30	Run in W/ Packer
		10:30	2:30	Testing
		2:30	3:15	Jarring Packer
		3:15	4:00	Hoist Packer
TOUR 3		4 00	6 30	Finish out T. break down Test Tool & Laydown
Sawdust	10 Sks.	6 30	7 00	Service Rig & Slip Line.
		7 00	8 00	Run in W/ Bit.
		~~8 00~~	11 00	Ream Rat Hole.
		11 00	12 00	Pull out.

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

DST #1

Interval 2545' - 2599' Formation Arnica

Tool: Drill Stem Testing & Coring Ltd - Single Rubber Packer 7"

Choke size 3/4" Perforations 45 feet.

String equipped with 2 bombs, safety joint and jars

Pre flo 5 min - good blow.

ISI 60 min from 10 33 am to 11 33 am

Valve Open 90 min from 11 33 am to 1 05 pm. Good blow for 15 min decreasing to nil in 90 min.

Recovered 1730' of fluid consisting of 300' of salty muddy water, 1400' of salt water and 30' of salty heavy mud

Chloride content of salt water 94000 ppm

I.S.I.P. 810 psi

I.F.P. 324 psi

F.F.P 748 psi

F.S.I.P 835 psi - 90 min - complete

Max. H.P. 1169 psi

B.H.T. 110°F.

Took 45 minutes To jar packer loose

Charts satisfactory

Test O.K.

L.F. Grumbley
SIGNATURE COMPANY ENGINEER

Pro-161-CS

TOUR REPORT

CONTRACTOR TRI CITY

FIELD WILD CAT PROPERTY CROWN WELL No. C-72

Chevron / S Ellbutt C-72 62°21'25"N 122°28'38"W

☑ DRILLING ☐ DEEPENING ☐ CABLE TOOLS

☐ REDRILLING ☐ ABANDONING ☐ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. MARCH 19 19 69

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS 4½" D.P.	NO. 35 2207492 FT.	NO. 35 2207492 FT.	NO. 35 2207492 FT.
" D.P.	NO. FT.	NO. FT.	NO. 37 2334488 FT.
DOUBLE " D.P.	FT.	FT.	FT.
SINGLE " O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR 6¼" O.D.	NO. 28250 FT.	NO. 28250 FT.	NO. 8 2288 FT.
REAMER " O.D.	KIND FT.	KIND FT.	KIND FT.
STABLIZER " O.D.	KIND FT.	KIND FT.	KIND FT.
JARS	KIND 1488 FT.	KIND 1488 FT.	KIND 316 FT.
BUMPER SUB.	FT.	FT.	FT.
BIT OR CORE BARREL	5922 FT.	6586 FT.	FT.
TOTAL D.P. & TOOLS	25511 2 FT.	25776 FT.	FT.
KELLY DOWN (BELOW R.B.)	1388 FT.	2528 FT.	FT.
DEPTH OF TOOLS	2565 00 FT.	2583 70 FT.	2599 00 FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	2565 FEET	2583 FEET	2599 FEET
DEPTH START OF TOUR	2565 FEET	2565 FEET	2583 FEET
FOOTAGE DRILLED	FEET	18 FEET	16 FEET

DAY WORK	HOURS 2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE p.s.i.					650	800			800		200	
ROTARY SPEED r.p.m.					90	80			90			
WEIGHT ON BIT Tons					8	8			8		10.5	
p.H.	10.0											
MUD WEIGHT #/gal.	9.0				9.8	9.8			9.0		90	
MUD VISCOSITY Sec.	40				44	44			41		48	
MUD CAKE 32nds / WATER LOSS c.c.	11								7/32 7.6		7/32 7.2	
PIT VOLUME Ft.-Ins.												

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL — WORK DONE
Kind	Amount			
TOUR 1		1200	300	mix mud LOST CIRC @ 2565
Gel	24 sacs	300	430	Pull out TO CORE measure out
Sawdust	10 "	430	545	Pick up CORE BBL - SERVICE SAME
CMC	1 sack	545	645	RUN IN W/ CORE BBL
Caustic	1 sack	645	700	BREAK CIRC - Clean out
		700	800	LOST CIRC mix mud - SAWDUST
TOUR 2		800	815	Rig SERVICE - B.O.P.
GEL	1000 lb	815	945	CIRC. CORE BBL. MIX MUD
CAUSTIC	50 lb	945	1230	CUT CORE #2.
SAWDUST	10 SAY	1230	200	HOIST CORE BBL
		200	300	RECOVER CORE, SERVICE CORE BBL
		300	400	RUN IN W/ CORE BBL
TOUR 3		400	430	CLEAN TO BOTTOM.
Gel	2300#	430	445	CIRC. Hole CLEAN.
Benex.	2 lbs.	445	645	CUT Core #3.
Sawdust.	2 sks.	645	745	PULL OUT.
C.M.C.	50 lb.	745	845	RECOVER Core (STAND BACK BBL.)
Caustic	50 lb.	845	945	RUN IN Hole.
PelTex.	50 lb.	945	1200	CIRC. Hole. (CONDITION Mud)

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recov'y	BIT CONDITION
1	6⅛	67020	IC ◊	43/4	2565	2599	34		

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Circulated 5 stands off bottom - full returns - built up mud volume. Ran into bottom and circulated for one hour - full returns - Ran in with core bbl lost circulation when core bbl reached bottom. Pulled up 50 feet - circulated - full returns - mixing mud & sawdust

Lost approximately 120 bbl mud to formation.

Core # 2 2565 - 2583 - recovered 17 feet

Strap Tally 2582.07
Board Tally 2580.56
Diff^n 1.51 - No Corr^n made

Core # 3 2583 - 2599 - recovered 15 feet

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	A. TICHKOWSKY	L. LOISELLE	H. JANDL.
DERRICKMAN ☐ TOOL DRSR. ☐	M. CAMPBELL	G. ROWLAND	K. WILSON.
HELPER	D. DABLIN	J. MOORE	B. HATCH.
HELPER	D. STOGRYN	R. WIZNIR	R. DUIGOU.
HELPER			
FIREMAN			
TOOL PUSHER	L.E. Carroll		

DEVIATION RECORD

Kind	Depth	Reading

L. E. Carroll
SIGNATURE COMPANY ENGINEER

Pro-161-CS

TOUR REPORT

CONTRACTOR TRI-CITY.

Chevron CS Ebbutt C-72 62°21'25"N 122°28'38"W

FIELD WILD CAT. PROPERTY CROWN. WELL No. C-72

☑ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☐ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. MARCH 18-19 69

	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
DRILLING ASSEMBLY			
STANDS 4½" D.P.	NO. 35 2282792 FT.	NO. 35 2260792 FT.	NO. 38 2271188 FT.
" D.P.	NO. FT.	NO. FT.	NO. FT.
DOUBLE " D.P.	FT.	FT.	FT.
SINGLE " O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR 6¼" O.D.	NO. 10 2825.0 FT.	NO. 2825.0 FT.	NO. 2825.0 FT.
REAMER " O.D.	KIND FT.	KIND FT.	KIND FT.
STABLIZER " O.D.	KIND FT.	KIND FT.	KIND FT.
JARS	KIND 148 FT.	KIND 148 FT.	KIND 148 FT.
~~BUMPER~~ SUB.	12.39 FT.	23.39 FT.	FT.
BIT OR CORE BARREL	2.29 FT.	2490.19 FT.	2555.16 FT.
TOTAL D.P. & TOOLS	14.0 FT.	18.40 FT.	98.4 FT.
KELLY DOWN (BELOW R.B.)	2557.89 FT.	2510.00 FT.	2565.20 FT.
DEPTH OF TOOLS			
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	2510 FEET	2510 FEET	2565 FEET
DEPTH START OF TOUR	2465. FEET	FEET	2510 FEET
FOOTAGE DRILLED	45 FEET	FEET	55 FEET

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1		12.00	12.30	RUN IN TO BOTTOM
WATER.		12.30	12.45	~~TOOH~~ RIG SERV.
		12.45	7.00	CUT CORE #1
		7.00	8.00	HOIST CORE #1
TOUR 2		9.00	9.45	FINISH OUT W/CORE #1
		9.45	9.45	RECOVER CORE Load out SAME
		9.45	10.30	SERVICE CORE BBLS - STAND back
		10.30	12.00	RUN IN W/BIT measure IN
		12.00	12.15	Clean out TO BOTTOM - 10FT fill
		12.15	12.30	+ SERVICE Rig - check B.OPS
		12.30	3.00	Reaming RAT hole
		3.00	4.00	DRILL 7⅞" hole
TOUR 3		4.00	5:45	DRILL 7⅞ HOLE
C.T.C.	50ft	5:45	6:00	RIG SERVICE + B.O.P.
		6:00	9:30	DRILL 7⅞ HOLE
		9:30	10:00	CIRC. SAMPLE
		10:00	10:15	SURVEY
		10:15	12:00	WORK STUCK PIPE

DAY WORK	HOURS 2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE p.s.i.	550	650	700				800	900	900	900		
ROTARY SPEED r.p.m.	80	80	80				120	120	120	120		
WEIGHT ON BIT Tons	8	8	8				3	10	10	10		
P.H.				TRIP			8.8	9.0	8.8	8.8		
MUD WEIGHT #/gal.			8.9	TRIP			31	36	33	32		
MUD VISCOSITY Sec.			33.									
MUD CAKE 32nds / WATER LOSS c.c.									14			
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recovy	BIT CONDITION
1	6¼	67020	◇ = I.C.	6¼	2465.	2510	45		
4	7⅞	910165	SECURITY	2¾	REAM 45'				
				5¼	2510	2565	55		4-2-1

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.
		2465.						

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Tally in with b.t

Tally 2527.30
Board 2526.82
.48 Diff = 10 cons =

Stuck pipe at 2560 - worked loose gradually up to 2500 - pipe free.
Lost 80 bbls mud to formation Pulled 5 stands circulated - full returns.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	E. DUPERRON	A. TICHKOWSKY	E. LOISELLE
DERRICKMAN ☐ TOOL DRSR. ☐	E. ROUTHIER	N. CAMPBELL	G. ROWLAND
HELPER	N. CAMPBELL	D. ROBLIN	J. MOORE
HELPER	G. CAMPBELL	D. STOGRYN	R. NIZNIK
HELPER			
FIREMAN			
TOOL PUSHER	J.E. Carroll		

DEVIATION RECORD		
Kind	Depth	Reading
SS	2565'	3°

L.F. Gumley
SIGNATURE COMPANY ENGINEER

Pro-161-CS

TOUR REPORT

CONTRACTOR Tri City #4

Chevron C.S. Ebbett G-72 62° 21' 25" N 122° 28' 38" W

FIELD W. Ida Ext. N.W.T. PROPERTY Crown WELL No. G-72

☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☐ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. March 17/69 19

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS " D.P.		NO. 33	2081506 FT.	NO. 34	2145601 FT.	NO. 33	2081446 FT.
" D.P.		NO.	FT.	NO.	FT.	NO.	FT.
DOUBLE " D.P.			FT.		FT.		FT.
SINGLE " O.D.			FT.		FT.		FT.
" O.D.			FT.		FT.		FT.
DRILL COLLAR 6¼" O.D.		NO. 10	2825 0 FT.	NO.	2825 0 FT.	NO.	2825 0 FT.
REAMER " O.D.		KIND	FT.	KIND	FT.	KIND	FT.
STABILIZER " O.D.		KIND	FT.	KIND	FT.	KIND	FT.
JARS		KIND	FT.	KIND	FT.	KIND	148 FT.
BUMPER SUB.			148 FT.		148 FT.		7239 FT.
BIT OR CORE BARREL			FT.		FT.		2438781 FT.
TOTAL D.P. & TOOLS		2365488 FT.		2429901 FT.			2178D FT.
KELLY DOWN (BELOW R.B.)		2740 FT.				2465611 FT.	
DEPTH OF TOOLS		2392886 FT.		2458001 FT.			
TOUR		MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR		2372 FEET		2458 FEET		2465 FEET	
DEPTH START OF TOUR		2338 FEET		2342 FEET		2458 FEET	
FOOTAGE DRILLED		54 FEET		66 FEET		7 FEET	

DAY WORK	HOURS	2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE	p.s.i.	800	800	800	800	800	800	800	800	800			
ROTARY SPEED	r.p.m.	72	72	72	72	70	70	70	70	70			
WEIGHT ON BIT	Tons	8	8	8	8	8	8	8	8	8			
p.H.		9	8	9	8	9	9	9	9	9			
MUD WEIGHT	#/gal.	8.9	8.8	8.5	8.8	8.8	8.8	8.8	8.8	8.8			
MUD VISCOSITY	Sec.	32	30	29	32	32	32	32	32	32			
MUD CAKE WATER LOSS	32nds c.c.					18	14.4	14.2	14.2	9.2			
PIT VOLUME	Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recov'y	BIT CONDITION
3	7⅞	152688	Sec M88 - 3 11/64 I.	41¼	2045	2465	420		5-3-1

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	E Duperron	A Tochkowsky	E Loiselle
DERRICKMAN ☐ TOOL DRSR.	E Rowthier	W. Dosch	G Rowland
HELPER	N Campbell	D Robin	J Moore
HELPER	G. Campbell	D Strayn	R Nizwik
HELPER			
FIREMAN			
TOOL PUSHER			

DEVIATION RECORD

Kind	Depth	Reading
SS	2400	1 3/4

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL — WORK DONE
Kind	Amount			
TOUR 1		12 00	4 15	Drill
Caustic	100#	4 15	4 30	Rig Serv / B.O.P.
Gel	500#	4 30	8 00	Drill 7 7/8" hole
TOUR 2		8 00	9 00	Drill 7 7/8" hole
Gel	1000#	9 00	9 15	Check B.O.P. - Survey
Caustic	50#	9 15	4 00	Drill 7 7/8" hole
CMC	100#			
Benex	4#			
TOUR 3		4 00	4 45	Drill 7 7/8" hole
Gel	500#	4 45	5 00	Rig Service & B.O.T.
Caustic	50#	5 00	5 15	Drill 7 7/8" hole
		5 15	6 30	Circulate - Mix mud
		6 30	8 00	Hoist Bit #3
		8 00	10 00	Pick up core bbl & change stabilizer
		10 00	12 00	Run in with core bbl Reason in

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Double strap at core point

Strap Tally	2497.65
Board "	2495.72
Diff"	1.93 - No correction made

L F Gurnsby
SIGNATURE COMPANY ENGINEER

Pro-161-CS

TOUR REPORT

CONTRACTOR Tri-City 4

FIELD WILD CAT PROPERTY CROWN WELL No. G-72

☑ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☑ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. MARCH 16 19 69

Chevron CSE Abbott G-72 62° 21' 25"N 122° 28' 38"W

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS 7½" D.P.	NO. 29 — 18286 8 FT.	NO. 31 — 19550 6 FT.	NO. 32 — 20 [illegible] 8 28 FT.
" D.P.	NO. — FT.	NO. — FT.	NO. 1 — 3157 FT.
DOUBLE " D.P.	FT.	FT.	FT.
SINGLE " O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR 6¼" O.D.	NO 10 — 282.50 FT.	NO. 10 — 28250 FT.	NO 10 — 28250 FT.
REAMER " O.D.	KIND — FT.	KIND — FT.	KIND — FT.
STABLIZER " O.D.	KIND — FT.	KIND — FT.	KIND — FT.
JARS	KIND — 148 FT.	KIND — 198 FT.	KIND — 148 FT.
BUMPER SUB.	FT.	FT.	23383 FT.
BIT OR CORE BARREL	5 FT.	FT.	[illegible] FT.
TOTAL D.P. & TOOLS	21126 FT.	22390.4 FT.	FT.
KELLY DOWN (BELOW R.B.)	30 40 FT.	21 96 FT.	35 40 FT.
DEPTH OF TOOLS	21336 FT.	22610 0 FT.	23691 23 FT.

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	21133 FEET	22611 FEET	23691 FEET
DEPTH START OF TOUR	20622 FEET	21133 FEET	22611 FEET
FOOTAGE DRILLED	711 FEET	128 FEET	1080 FEET

DAY WORK	HOURS 2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE p.s.i.	900	900	800	800	800	800	800	800	900	900	800	-
ROTARY SPEED r.p.m.	60	60	60	60	50	60	80	80	60	60	60	
WEIGHT ON BIT Tons	10	10	10	10	12½	12½	12½	12½	10	8	8	
D.H.												
MUD WEIGHT #/gal.	8.8	8.8	8.7	8.7	8.7	8.5	8.6	8.7	8.7	8.8	8.8	
MUD VISCOSITY Sec.	28	28	27	27	28	28	28	29	29	29	29	
MUD CAKE / WATER LOSS 32nds c.c.												
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recov'y	BIT CONDITION
3	7⅞	152688	SECUR. M88 -3=11/32		2045				

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	E. DUPERRON.	A. TICHKOWSKY	E. LOISELLE
DERRICKMAN TOOL DRSR. ☐	E. ROUTHIER.	W DOSCH	G ROWLAND
HELPER	N. CAMPBELL	D ROBLIN	J. MOORE
HELPER	G. CAMPBELL	D STOGRYN	R NIZNIK
HELPER			
FIREMAN			
TOOL PUSHER	J.E. Caudle		

DEVIATION RECORD

Kind	Depth	Reading
S.S.	2116	1°
S.S.	2306	3°

MUD and CHEMICALS ADDED Kind	Amount	From	To	OTHER HOURLY OPERATING DETAIL — WORK DONE
TOUR 1		12⁰⁰	2.15	DRILL 7¾" HOLE.
WATER.		2.15	2.45	WORK ON SWIVEL + RIG SERV.
		2.45	5.45	DRILL 7¾" HOLE.
		5.45	6.15	SURVEY + CLEAN SUCTION TANK.
		6.15	8⁰⁰	DRILL 7¾" HOLE.
TOUR 2		8⁰⁰	9⁰⁰	DRILL 7⅞" hole
		9⁰⁰	9.15	Rig Service — Check B.O.P.S
		9.15	4⁰⁰	Drill 7⅞" hole
TOUR 3		4:00	5:00	DRILL 7⅞ HOLE
EDA ASH	10 SK	5:00	5:15	RIG SERVICE & B.O.P.
GEL	240 #	5:15	7:45	DRILL 7⅞ HOLE
BENEX	16 #	7:45	8:00	SURVEY
		8:00	12:00	DRILL 7⅞ HOLE

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

L F Trumbly
SIGNATURE COMPANY ENGINEER

Pro-161-CS

TOUR REPORT

CONTRACTOR TRI-CITY

Chevron CS Ebbutt G-72 62° 21' 25"N 122° 28' 38"W

FIELD WILDCAT PROPERTY CROWN WELL No. G-72

☑ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☐ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. MARCH 15 19 69

	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
DRILLING ASSEMBLY			
STANDS 4½" D.P.	NO. 1 6 3 9 1 4 FT.	NO. 27 1 7 0 2 7 6 FT.	NO. 28 1 7 6 6 0 6 FT.
" D.P.	NO. FT.	NO. FT.	NO. FT.
" D.P.	FT.	FT.	FT.
DOUBLE " D.P.	3 1 6 0. FT.	3 1 6 4 FT.	FT.
SINGLE 4½" O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR 6¼" O.D.	NO. 10 2 8 2 5 0. FT.	NO. 10 2 8 2 5 0 FT.	NO. 2 8 2 5 0 FT.
REAMER " O.D.	KIND 14 5/8 5A FT.	KIND FT.	KIND FT.
STABILIZER " O.D.	KIND 14 5/8 5A FT.	KIND FT.	KIND FT.
JARS	KIND 6 3/4 FT.	KIND FT.	KIND FT.
~~HAMMER~~ SUB.	KIND 1 4 8 FT.	KIND 1 4 8 FT.	KIND 1 4 8 FT.
BIT OR CORE BARREL	FT.	FT.	FT.
TOTAL D.P. & TOOLS	1 9 5 4 7 2 FT.	2 0 1 8 3 8 FT.	2 0 5 0 0 4 FT.
KELLY DOWN (BELOW R.B.)	1 0 4 0 FT.	1 2 6 2 FT.	9 0 0 FT.
DEPTH OF TOOLS	1 9 4 5 7 2 FT.	2 0 3 1 0 0 FT.	2 0 6 2 0 0 FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	1 9 6 5 FEET	2 0 3 1 FEET	2 0 6 2 FEET
DEPTH START OF TOUR	1 8 0 1 FEET	1 9 6 5 FEET	2 0 3 1 FEET
FOOTAGE DRILLED	1 6 4 FEET	6 6 FEET	3 1 FEET

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL — WORK DONE
Kind	Amount			
TOUR 1		12 00	12 45	DRILL 7⅞" HOLE.
WATER.		12.45	1.00	RIG SERV.
		1.00	2.30	DRILL 7⅞" HOLE.
		2.30	2.45	CLEAN SUCTION TANK.
		2.45	6.30	DRILL 7⅞" HOLE.
		6.30	7.15	CHANGE WASH PIPE + PACKINGS.
		7 15	8 00	DRILL 7⅞ HOLE.
TOUR 2				
15 8 WATER		8 00	9 30	DRILL 7⅞" hole
		9 30	9 45	Rig Service - Check B.OPS
		9 45	10. 15	SURVEY - MISS RUN - SURVEY
		10 15	11 00	WORK ON PUMP
		11 00	4 00	DRILL 7⅞" hole
TOUR 3		4:00	6:00	DRILL 7⅞ HOLE
		6:00	6:15	RIG SERVICE & B.O.P.
		6:15	7:30	HOIST BIT #2
		7:30	8:00	SLIP DRILLING LINE
		8:00	9:30	RUN IN WITH BIT #3
		9:30	12:00	DRILL 7⅞ HOLE

DAY WORK	HOURS	2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE	p.s.i.	400	400	400	400.	350	350	350	350	400		700	700
ROTARY SPEED	r.p.m.	110	110	110	110	130	130	130	130	130		54	60
WEIGHT ON BIT	Tons	12	12.	12.	12	8	8	8	8	8		8	10
p.H.													
MUD WEIGHT	#/gal.	8.0	8.8	8.9	8.9.	8.8	8.9	8.9	8.8	8.5		8.5	8.6
MUD VISCOSITY	Sec.	28	27.	27.	28.	28	28	29	28	28		28.	28
MUD CAKE WATER LOSS	32nds c.c.												
PIT VOLUME	Bbls.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recovery	BIT CONDITION
2	7⅞	7983	XV. H.W 3 = 15/32		1515.	1965	450		in
~~3~~	~~7⅞~~	~~152688~~	~~M88 SECURITY 3 11/32~~		~~2045~~	~~2062~~			
2	7⅞	7983	XV HW	24¾	1515	2045	530		7-2-1
3	7⅞	152688	M88 Security	2½	2045	2062	17		IN.

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Bit # 3 hung up in casing stub at 340. Turned drill pipe with chain Tongs and got into casing. Drill stem Tool joints hit stub occassionally

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	E. DUPERRON	A. TICHKOWSKY	E. LOISELLE
DERRICKMAN ☐ TOOL DRSR. ☐	ROUTHIER	W DOSCH	G. ROWLAND
HELPER	CAMPBELL	D ROBLIN	J. MOORE
HELPER	CAMPBELL	D STOGRYN	R. NIZNIK
HELPER			
FOREMAN			
TOOL PUSHER	J.E. Carroll		

DEVIATION RECORD	Kind	Depth	Reading
	SS	1990	1½

L F Tumilty
SIGNATURE COMPANY ENGINEER

Pro-161-CS

TOUR REPORT

CONTRACTOR Tri City 4

Chevron cs Ebbutt 6-72 62° 21' 25" N 122° 28' 38" W

FIELD Wildcat PROPERTY Crown WELL No. 6-72

☑ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☑ ROTARY

FOR 24 HOURS ENDING 11 P.M. / NWT / 12 M. March 14 1969

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS " 4½ D.P.	NO. 17	1071 17 FT.	NO. 20	12609 8 FT.	NO. 23	14505 0 FT.
" D.P.	NO.	FT.	NO.	FT.	NO.	FT.
		FT.		FT.		FT.
DOUBLE " D.P.		FT.		FT.		3158 FT.
SINGLE " O.D.	1	31 37 FT.		FT.		FT.
" O.D.		FT.		FT.		
DRILL COLLAR " 6¼ O.D.	NO.	2825 0 FT.	NO.	2825 0 FT.	NO.	2825 0 FT.
REAMER " O.D.	KIND	FT.	KIND	FT.	KIND	FT.
STABLIZER " O.D.	KIND	FT.	KIND	FT.	KIND	FT.
JARS	KIND	FT.	KIND	FT.	KIND	FT.
BUMPER SUB.		148 FT.		148 FT.		148 FT.
BIT OR CORE BARREL		FT.		FT.		FT.
TOTAL D.P. & TOOLS		13865 2 FT.		15446 6 FT.		17660 6 FT.
KELLY DOWN (BELOW R.B.)		2440 FT.		3540 FT.		3540 FT.
DEPTH OF TOOLS		FT.		15806 FT.		18014 6 FT.
TOUR	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR	14992 FEET		1580 FEET		18014 FEET	
DEPTH START OF TOUR	12102 FEET		14112 FEET		15801 FEET	
FOOTAGE DRILLED	2890 FEET		170 FEET		2213 FEET	

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL — WORK DONE
Kind	Amount			
TOUR 1		12 00	12 15	Work on pump
		12 15	12 30	Rig Serv
		12 30	5 00	Drill 7 7/8" hole
Bicarb	200	5 00	5 30	Clean suction Tank
		5 30	8 00	Drill 7 7/8" hole
TOUR 2		8 00	8 15	Rig Service Check BOPs
		8 15	11 00	Drill 7 7/8" hole
		11 00	11 15	Survey
		11 15	1 15	Trip for BIT - measure out
		1 15	1 45	Clean out to bottom 20 feet
		1 45	2 15	Slip drilling line
		2 15	4 00	Drill 7 7/8" hole
TOUR 3		4 00	4 15	Rig service check B.O.P.
		4 15	12 00	Drill 7 7/8" hole

DAY WORK	HOURS 2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE p.s.i.	350	350	375	375	375			375	375	375	325	
ROTARY SPEED r.p.m.	120	130	130	130	120			120	120	110	110	
WEIGHT ON BIT Tons	12	12	12	12	10			10	10	10	10	
p.H.												
MUD WEIGHT #/gal.	9.0	9.2	8.9	9	9.2			9	8.8	8.8	9.0	
MUD VISCOSITY Sec.	29	30	28	29	31			30	29	29	31	
MUD CAKE / WATER LOSS 32nds c.c.												
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recov'y	BIT CONDITION
1	7 7/8	7801	HW x16	29 3/4	426	1412	986		D-lg
1	7 7/8	7801	x16	32½	426	1515	1089		5-4-1
2	7 7/8	7983	XV	1 3/4	1515	1580	65		Dulg

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	E Duperron	A Tichkowsky	E Loiselle
DERRICKMAN ☐ TOOL DRSR. ☐	E Routhier	W Dosch	G Rowland
HELPER	K Campbell	D Roblin	J Moore
HELPER	G Campbell	D Stogryn	R Niznik
HELPER			
FIREMAN			
TOOL PUSHER	J.E. Cavell		

DEVIATION RECORD		
Kind	Depth	Reading
S.S	1516	0°

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Trip at 1515 To change bit - fully out
Measured Tally 1516.74
Board Tally 1514.77
Diff^n 1.97 - No corr^n made

On running in with bit #2 pipe hung up at 340' Turned pipe with tongs and dropped free.
Surface casing backed off bottom 3 joints and dropped 15 feet

Guide Shoe	1.33
1st joint	30.43
Float Collar	1.59
2nd joint	30.84
3rd joint	30.80
Total	95.04

Total Surface Casing Landed at 420.14
3 joints backed off 95.04
Bottom of remaining casing 325.10

340
325
15

L F Tremblay
SIGNATURE COMPANY ENGINEER

Pro-161-CS

TOUR REPORT

CONTRACTOR TRI-CITY

FIELD WILD CAT PROPERTY CROWN WELL No. G-72

☑ DRILLING ☐ DEEPENING ☐ CABLE TOOLS

☐ REDRILLING ☐ ABANDONING ☐ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. MARCH 13 19 69

Chevron C S Ebbutt 6-72 62° 21' 25" N 122° 28' 38" W

	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
DRILLING ASSEMBLY			
STANDS 4½ D.P.	NO. 7 — 4411.12 FT.	NO. 11 — 6945.0 FT.	NO. 14 — 8127.72 FT.
" D.P.	NO. — FT.	NO. — FT.	NO. — FT.
" D.P.	— FT.	— FT.	— FT.
DOUBLE " D.P.	— FT.	— FT.	— FT.
SINGLE " O.D.	1 — 31.66 FT.	1 — 3160 FT.	— FT.
" O.D.	— FT.	— FT.	— FT.
DRILL COLLAR 6¼" O.D.	NO. 10 — 2825.9 FT.	NO. 10 — 2825.0 FT.	NO. 10 — 2825.0 FT.
REAMER " O.D.	KIND — FT.	KIND — FT.	KIND — FT.
STABLIZER " O.D.	KIND — FT.	KIND — FT.	KIND — FT.
JARS	KIND — 1.48. FT.	KIN[illegible] 1148 FT.	KIND — 1.48 FT.
BUMPER SUB.	3.56 FT.	3.55 FT.	— FT.
BIT OR CORE BARREL	56.76 FT.	441 10 1009.58 FT.	— FT.
TOTAL D.P. & TOOLS	7561.76 FT.	35.40 FT.	3540 FT.
KELLY DOWN (BELOW R.B.)	35.40 FT.	1044.98 FT.	1202.11 FT.
DEPTH OF TOOLS	7921.16 FT.		
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	7921. FEET	1044 FEET	1202 FEET
DEPTH START OF TOUR	602 FEET	792 FEET	1044 FEET
FOOTAGE DRILLED	190 FEET	252 FEET	158 FEET

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL — WORK DONE
Kind	Amount			
TOUR 1		12.00	1.15	MIX MUD + WORK PIPE TO CLEAN HOLE. UNABLE TO PULL UP TO MAK CONETION. RIG SERV.
GEL	1000	1.15	5.00	DRILL 7⅞" HOLE.
WATER.		500.	5.15	STUCK IN HOLE.
GEL.	1100.	5.15	5.45	CAN'T GET BACK-IN - MIX MUD WORK PIPE.
TOTAL.	2100	5.45	7.00	DRILL 7⅞" HOLE.
		7.00	7.30	REPAR GOOSE NECK ON SWIVEL.
		7.30	8.00	DRILL 7⅞" HOLE.
		8.00	8.15	RIG SERVICE - CHECK B.O.P.S
TOUR 2		8.15	3.00	DRILL 7⅞" hole
		3.00	3.15	SURVEY
WATER		3.15	4.00	DRILL 7⅞" hole
TOUR 3		4:00	4:15	RIG SERVICE ✓ B.O.P.
		4:15	6:30	DRILL 7⅞ HOLE
		6:30	8:30	WORK ON PUMP
WATER		8:30	10:15	DRILL 7⅞ HOLE
		10:15	12:00	WORK ON PUMP

DAY WORK	HOURS 2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12:00 P.M.
PUMP PRESSURE p.s.i.	300.	400.	350	350	350	350	350	350	350		350	
ROTARY SPEED r.p.m.	160.	150	150	150	140	140	140	110	110		110	
WEIGHT ON BIT Tons	10	9.	9	10	10	10	10	10	10		10	
D.H.												
MUD WEIGHT #/gal.	9.5	9.5	9.5	9.5	9.5	9.5	8.8	8.9	8.8	8.9	8.8	
MUD VISCOSITY Sec.	35.	30.	35.	35.	35	34	32	32	29	29	29	
MUD CAKE / WATER LOSS 32nds c.c.												
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recovy	BIT CONDITION
1	7⅞	7801	HW. X05C 16.	11½	426.	792.	366		

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.
						366		

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	E. DUPERRON	A. TCHKOWSKY	E. LOISELLE
DERRICKMAN TOOL DRSR. ☐	E. ROUTIER	W DOSCH	G. ROWLAND
HELPER	N. CAMPBELL	D R. LLINI	J. MOORE
HELPER	G. CAMPBELL	D STOGRYN	R. NIZNIK
HELPER			
FIREMAN			
TOOL PUSHER	J. E. Powell		

DEVIATION RECORD

Kind	Depth	Reading
SS	1013	½°

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

L F Trumbly
SIGNATURE COMPANY ENGINEER

Pro-161-CS

TOUR REPORT

CONTRACTOR TRI-CITY

FIELD WILDCAT PROPERTY CROWN WELL No. G-72

☑ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☐ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. MARCH 12 1969

Chevron C S Ebbett G-72 62° 21' 25" N 122° 20' 38" W

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS " D.P.	NO. FT.	NO. FT.	NO. FT.
" D.P.	NO. FT.	NO. FT.	NO. FT.
DOUBLE " D.P.	FT.	FT.	FT.
SINGLE " O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR " O.D.	NO. FT.	NO. FT.	NO. FT.
REAMER " O.D.	KIND FT.	KIND FT.	KIND FT.
STABLIZER " O.D.	KIND FT.	KIND FT.	KIND FT.
JARS	KIND FT.	KIND FT.	KIND FT.
BUMPER SUB.	FT.	FT.	FT.
BIT OR CORE BARREL	FT.	FT.	FT.
TOTAL D.P. & TOOLS	FT.	FT.	FT.
KELLY DOWN (BELOW R.B.)	FT.	FT.	FT.
DEPTH OF TOOLS	FT.	FT.	FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	FEET	FEET	FEET
DEPTH START OF TOUR	FEET	FEET	FEET
FOOTAGE DRILLED	FEET	FEET	FEET

	HOURS 2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
DAY WORK	3½ 0											
PUMP PRESSURE p.s.i.	65								300	300	300	
ROTARY SPEED r.p.m.	67								170	160	170	
WEIGHT ON BIT Tons									14M	16M	14M	
p.H.												
MUD WEIGHT #/gal.	8.4										8.4	
MUD VISCOSITY Sec.	28										28	
MUD CAKE 32nds												
WATER LOSS c.c.												
PIT VOLUME Ft.-ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recovy	BIT CONDITION
1	7⅞	7801	HW XOSC16	54	426	602			

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	E. DUPERRON	H Tschkowsky	E. LOISELLE
DERRICKMAN ☐ TOOL DRSR. ☐	E. ROUTHIER.	W OOSCH	G. ROWLAND
HELPER	W. CAMPBELL	D Robbin	I. MOORE
HELPER	G. CAMPBELL.	D STOGRYN	R. NIZNIK
HELPER			
FIREMAN			
TOOL PUSHER	J.P. Hall		

DEVIATION RECORD

Kind	Depth	Reading
S.S.	500'	1/2

MUD and CHEMICALS ADDED Kind	Amount	From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
TOUR 1		12⁰⁰	6.30	W.O.C.
		6.30	8	SLACK OFF AT 6.30 AM. SCEW ON BOWL. PICK UP B.O.P. NIPPLE.
			8⁰⁰	up.
TOUR 2		8⁰⁰	11.30	Head up
		11.30	1⁰⁰	PREASUR UP Blind Rams 1000PSI
		1⁰⁰	1.30	Run in W/ BIT
		1.30	2.30	DRill OUT To float 30 FT of cement
		2.30	3.15	PREASURE Pipe Rams 1000 Psi
		3.15	4⁰⁰	PREASURE HyDRill 1000 PSi
TOUR 3				
BIT #RR	100'	4:00	4:15	FINISH PRESSURE UP
		4:15	5:00	DRILL OUT
		5:00	5:30	DRILL 7⅞ HOLE
		5:30		HOIST TO CHECK REASON FOR HIGH PUMP
			7:00	PRESSURE (2 PLUGGED JETS) CLEAN NOZZLES RUN IN
		7:00	9:30	DRILL 7⅞ HOLE (TROUBLE WITH ROCK ABOVE BIT)
		9:30 9:45	9:30	SURVEY DRILL 7⅞ HOLE

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

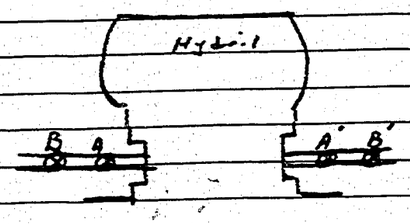
Pressure Test blind rams To 1000 psi - 10 min

Pressure Test pipe rams To 1000 psi - 15 min

Pressure Test Hydril To 1000 psi with Valves A & A' open. Valves B & B' closed O.K.

Pressure Test Hydril T. 1000 psi with Valves A & A' closed. Valves B & B' open

Hydril & controls O.K.



J F Grumbly
SIGNATURE COMPANY ENGINEER

Pro-161-CS

TOUR REPORT

CONTRACTOR TRI-CITY

FIELD Wildcat N.W.T. PROPERTY ..... WELL No. 6-72

☑ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☑ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. MARCH 11 1969

Chevron CS. EBBUTT 6-72 62° 21° 25" N. 122° 28° 38" W.

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS " D.P.	NO. 2 — 212573 FT.	NO. — FT.	NO. — FT.
" D.P.	NO. — FT.	NO. — FT.	NO. — FT.
DOUBLE " D.P.	FT.	FT.	FT.
SINGLE " O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR " O.D.	NO. 10 — 28273 FT.	NO. — FT.	NO. — FT.
REAMER " O.D.	KIND — FT.	KIND — FT.	KIND — FT.
STABILIZER " O.D.	KIND — FT.	KIND — FT.	KIND — FT.
JARS	KIND — FT.	KIND — FT.	KIND — FT.
BUMPER SUB.	KIND — 597 FT.	KIND — FT.	KIND — FT.
BIT OR CORE BARREL	FT.	FT.	FT.
TOTAL D.P. & TOOLS	41443 FT.	FT.	FT.
KELLY DOWN (BELOW R.B.)	1157 FT.	FT.	FT.
DEPTH OF TOOLS	42600 FT.	FT.	FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	426 FEET	FEET	FEET
DEPTH START OF TOUR	426 FEET	FEET	FEET
FOOTAGE DRILLED	00 FEET	FEET	FEET

DAY WORK	2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
HOURS												
PUMP PRESSURE p.s.i.												
ROTARY SPEED r.p.m.												
WEIGHT ON BIT Tons												
p.H.												
MUD WEIGHT #/gal.												
MUD VISCOSITY Sec.	80											
MUD CAKE 32nds												
WATER LOSS c.c.												
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recov'y	BIT CONDITION

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	H. JANDL.	A. Fochtman	F. LOISELLE
DERRICKMAN ☐ TOOL DRSR.	K. WILSON	W DOSCH	G. ROWLAND
HELPER	B. HATCH.	D Robbin	J. MOORE
HELPER	R. Durgan.	D STAGRAM	R. NIZNIK
HELPER			
FIREMAN			
TOOL PUSHER	J.E. Powell		

DEVIATION RECORD		
Kind	Depth	Reading

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL — WORK DONE
Kind	Amount			
TOUR 1		12⁰⁰	2·15	Mix mud & Run in To Bottom Circ. Hole.
		2·15	2⁴⁵	Pull To Run Casing.
Gel.	1400#	2⁴⁵		Run Casing Wont go down Pull out
			4³⁰	Same stand in derrick.
		4³⁰		Run in w/15" Bit Ream To 150' Pull out
			7³⁰	Run in w/12¼ To Bottom.
		7³⁰	7⁴⁵	Work on Pump.
		7⁴⁵	8⁰⁰	Circ. Hole.
TOUR 2		8⁰⁰	8³⁰	Circ - Con
		8³⁰	9⁰⁰	Pull - Run Csg
		9⁰⁰	11³⁰	Run - Csg
		11³⁰	12¹⁵	Cement Csg
		12¹⁵	4⁰⁰	W. OC
TOUR 3		4:00	12.00	W. O. C

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Ran 13 joints (409.04) of 8 3/4 x 24#/ft J-55 Range 2 Mannesmann seamless casing equipped with Larkin Guide shoe, Larkin float collar and 3 centralizers. Bottom 2 collars were electrically welded and Thread locked. Casing string made up and run as follows:

1 - 8 5/8" Larkin Guide Shoe	1.33
1 jt 8 5/8 x 24#/ft J-55 Csg	30.43
1 - 8 5/8" Larkin Float Collar	1.56
12 jts 8 5/8" x 24#/ft J-55 Csg	375.69
Total String	409.04
K.B To Grd	11.10
Landed depth	420.14
Drywhole	5.86
T.D.	426.00

Cementing Details

Mixed 315 sax Cement 3% CaCl2 with Tri C.T.U.'s Cementer mixer in 25 minutes from 11³³ am to 12³³ pm. Displaced with 4 water using Tri C.T.U. standby pump in 10 minutes from 12³³ pm - 12³³ pm. Bumped plug with 600 psi. Released pressure - Floor held. C.I.P. 12³⁵ pm.

SIGNATURE COMPANY ENGINEER

Pro-161-CS

TOUR REPORT

CONTRACTOR TRI-CITY.

FIELD Wildcat N.W.T. PROPERTY ..... WELL No. G-72

☑ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☑ ROTARY

FOR 24 HOURS ENDING 11 P.M. / 12 M. MARCH 10 1969

Chevron C.S. EBBETT. G-72 62° 21° 25" N. 122° 28' 38" W

	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
DRILLING ASSEMBLY			
STANDS " D.P.	NO. FT.	NO. 1 6306 FT.	NO. 2. 12573 FT.
" D.P.	NO. FT.	NO. FT.	NO. FT.
DOUBLE " D.P.	FT.	3167 FT.	FT.
SINGLE " O.D.	FT.	FT.	FT.
DRILL COLLAR " 6¼ O.D.	NO. 5 14108 FT.	NO. 10 28273 FT.	NO. 10 28273 FT.
REAMER " O.D.	KIND FT.	KIND FT.	KIND FT.
STABLIZER " O.D.	KIND FT.	KIND FT.	KIND FT.
JARS	KIND 597 FT.	KIND 597 FT.	KIND 597 FT.
BUMPER SUB.	FT.	FT.	FT.
BIT OR CORE BARREL	FT.	FT.	FT.
TOTAL D.P. & TOOLS	14705 FT.	38343 FT.	41443 FT.
KELLY DOWN (BELOW R.B.)	3540 FT.	3540 FT.	1157 FT.
DEPTH OF TOOLS	18245 FT.	41883 FT.	42840 FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	182 FEET	418 FEET	426 FEET
DEPTH START OF TOUR	67 FEET	182 FEET	418 FEET
FOOTAGE DRILLED	115 FEET	236 FEET	8 FEET

DAY WORK	HOURS 2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
PUMP PRESSURE p.s.i.	200	200	200	200	200	250	250	250				
ROTARY SPEED r.p.m.	100	100	160	160	160	180	180	180				
WEIGHT ON BIT Tons	2	2	2	2	4	4	4	4				
p.H.												
MUD WEIGHT #/gal.			9.2				10.4	10.4				
MUD VISCOSITY Sec.			30				33	37				
MUD CAKE 32nds												
WATER LOSS c.c.												
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recov'y	BIT CONDITION
1A	12¼	7521	H.W OSC-3.	19.	0	426	426		3-1-1.

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	H. JANDL.	A TichKowsKY	E. DUPERRON
DERRICKMAN ☑ TOOL DRSR. ☐	K. WILSON.	W DESCH	E. ROUTHIER.
HELPER	B. HATCH.	D Robbin	N. CAMPBELL
HELPER	R. DUIGOU.	D STOGRYN	G. CAMPBELL
HELPER			
FIREMAN			
TOOL PUSHER	J.E Pruett		

DEVIATION RECORD

Kind	Depth	Reading
S.S.	70	3/4°
S.S.	126	5/8°
SS	212	3/4
SS	324	3/4
SS	418	2/4

MUD and CHEMICALS ADDED Kind	Amount	From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
TOUR 1		12.00	12.45	DRILL 12¼ Hole.
		12.45	1.00	Survey + Service RIG.
		1.00	5.30	DRILL 12¼ Hole.
		5.30	5.45	Run Survey.
		5.45	7.15	DRILL 12¼ Hole.
		7.15	7.30	Work on Pump.
		7.30	8.00	DRILL 12¼ Hole.
TOUR 2		8.00	8.15	Rig SERV
GEL	300#	8.15	9.45	DRILL 12¼" hole
CAUSTIC	50#	9.45	10.00	SURVEY
		10.00	12.30	DRILL 12¼" hole
		12.30	12.45	SURVEY
		12.45	2.45	DRILL 12¼ hole
		2.45	3.00	SURVEY
		3.00	3.45	MIX mud - COL hole
		3.45	4.00	PULL out
TOUR 3		4.00	4.30	HOIST PIPE + Rig SERV.
		4.30	6.30	RUN IN - REAM 250ft.
		6.30	7.30	DRILL 12¼ HOLE.
		7.30	8.15	CIRC TO COND HOLE.
		8.15	9.00	HOIST TO RUN. 8⅝ CASSING.
		9.00	11.30	Rig TO AND RUN SAME.
		11.30	12.00	HOIST CASSING - STAND BACK.

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

L F Trumbly
SIGNATURE COMPANY ENGINEER

Pro-161-CS

TOUR REPORT

CONTRACTOR Tri City 4

FIELD Wildcat PROPERTY Crown WELL No. G-72

☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☑ ROTARY

FOR 24 HOURS ENDING NWT 11 P.M. 12 M. March 9 1969

Chevron C.S. Ebbett G-72 62°21'25"N 122°28'38"W

	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
DRILLING ASSEMBLY			
STANDS " D.P.	NO. FT.	NO. FT.	NO. FT.
" D.P.	NO. FT.	NO. FT.	NO. FT.
DOUBLE " D.P	FT.	FT.	FT.
SINGLE " O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR " O.D.	NO. FT.	NO. FT.	NO. 1 FT. 28 74
REAMER " O.D.	KIND FT.	KIND FT.	KIND FT.
STABLIZER " O.D.	KIND FT.	KIND FT.	KIND FT.
JARS	KIND FT.	KIND FT.	KIND FT. 5 9 7
BUMPER SUB.	FT.	FT.	FT.
BIT OR CORE BARREL	FT.	FT.	FT. 3 4 7 1
TOTAL D.P. & TOOLS	FT.	FT.	FT. 3 2 4 0
KELLY DOWN (BELOW R.B.)	FT.	FT.	FT. 6 7 1 1
DEPTH OF TOOLS	FT.	FT.	FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	FEET	FEET	FEET 6 7
DEPTH START OF TOUR	FEET	FEET	FEET 0
FOOTAGE DRILLED	FEET	FEET	FEET 6 7

DAY WORK	2.00 A.M.	4.00 A.M.	6.00 A.M.	8.00 A.M.	10.00 A.M.	12.00 A.M.	2.00 P.M.	4.00 P.M.	6.00 P.M.	8.00 P.M.	10.00 P.M.	12.00 P.M.
	HOURS				HOURS					HOURS		
PUMP PRESSURE p.s.i.										200	200	200
ROTARY SPEED r.p.m.												
WEIGHT ON BIT Tons												
p.h.												
MUD WEIGHT #/gal.												
MUD VISCOSITY Sec.												
MUD CAKE / WATER LOSS 32nds / c.c.												
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recovy	BIT CONDITION
1A	12¼	7521	HTW OSC-3 Conv	4½	0	67	67		Belly

CUTTER NO.	TYPE	IN AT - FT.	OUT AT - FT.	CENTRE BIT No.	CATCHER No.	TYPE	IN AT - FT.	OUT AT - FT.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	H Tandl	A Tschkowsky	E Duperron
DERRICKMAN ☐ TOOL DRSR. ☐	K Wilson	W Dosch	E Routhier
HELPER	B Hatch	J Robin	N Campbell
HELPER	R Dargon	D Stroshein	C Campbell
HELPER			
FIREMAN			
TOOL PUSHER			

DEVIATION RECORD

Kind	Depth	Reading

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL / WORK DONE
Kind	Amount			
TOUR 1		12 00	8 00	Drill rat hole
Gel	3000 #			
Caustic	100 #			
TOUR 2		8 00	4 00	Drill rat hole
TOUR 3		4 00	5 30	Unload 8⅝" casing and cement
		5 30	7 30	Drill Ratihole
		7 30	12 00	Drill 12¼" hole

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Location: 62° 21' 25" N 122° 28' 38" W N.W.T.

Ground Elevation 1204 K.B. To Ground 11.10'

K.B Elevation 1215.1'

License # 363

Contractor: Tri City Drilling Co Ltd Rig # 4 Failing 4500 powered by ~~Emsco~~ GMC V8

#1 pump - D 175 Emsco powered by 2-671 GMC. 5"x12"

#2 pump - Gardner Denver powered by 471 GMC 8"x8"

B.O.P.s - 10" 900 Series Hydril, 8" 1.00 series double gate Cameron

Light Plant: Cat D311 1 International 22 K.V.A.

Boiler: Case 25 HP 100 psi rating

Drill Pipe: 4½" x 16.6 Extra hole

Started moving: March 3 1969 Started rigging up March 7 1969

Boiler Started: March 6/69 Camp started March 4/69

Spudded: 7 30 pm March 9 1969

SIGNATURE COMPANY ENGINEER

Pro-161-CS