

CALSTAN BIG
ISLAND G-56

Drilling Authority No. 159
Date Issued

WELL NAME 02-01-01-10-00-00

FIELD

LOCATION: Unit

Area:

Section

Grid

Latitude

Longitude

From Established Reference Marker

Rig Release Date:

Status

Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
	Application for a Drilling Authority. Well Completion Data. Well History Report. Application to Amend a Drilling Authority. Application to change a Well Name. Application to Abandon a Well or Suspend Drilling. Application to Alter Condition of a Well. Well History Supplement. Well Completion Data. Work-over Report No. Application to Commingle Production before Measurement. Data for Back Pressure Test on Natural Gas Wells — Monograph 7 Method. Data for Back Pressure Test on Natural Gas Wells — Vitter's Method. M.P.R. — Oil — Calculations. New Oil Well Report. New Gas Well Report. Well Inspection Report. Rig Inspection Report. Battery Inspection Report. Equipment Report. Well Card. Well Visit. Daily Drilling Reports. Logs. Large scale Small scale

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
Resources Division

WELL COMPLETION DATA

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

Well name and number Caistan Big Island G-56

Permit No. 3453

Leaf No. _____

The California Standard Company
(Pavilion, Livestock, London)

Exploratory Licence No. **152 8-78**

Conclusion

Exploratory Licence No.

Location: Unit G

Section 56

Grid 61°10'N, 116°30'W

Latitude 61°05'23"N

Longitude 115°40'00"W

From Established Reference Marker

	DATE	DEPTH	Pool (s)
	Feb. 25/65		Interval(s) open to production
Spudded			
Suspended			
Resumed			
Finished Drilling	March 9/65	1775	
Deepened			Elevation: Gr. 537.1
Complete (gas/oil)			K.B. 547.8
Abandoned	March 13/65	1775	
Rig released	March 13/65		

Drilling Contractor & Rig No. Tri-City Drilling Ltd.
Contractor's Licence No. A-11790 Rig #4

CASING RECORD

TESTING RECORD					
Casing Size (Inches)	Weight	Amount	Gr. at	Sacks of Cement	Method
1. 7"	201	201.41	212	150 + 2% CaCl ₂	HOWCO
2.					
3.					
4.					
5.					
6.					

[illegible]

LOG RECORD

Run No.	Type of Log	From	To
1	Induction E-log		
	2" - 100'	212	1776
	5" - 100'	212	1776
1	Microlog-Caliper		
	5" - 100'	500	1776
1	Sonic-Gamma Ray Caliper		
	2" - 100'	0	1776
	5" - 100'	0	1776

CEMENTING RECORD (Plug, Squeeze, etc.)

PERFORATING RECORD (Bullet, Jet)

SERVICING RECORD (Airlog, Fracing, etc.)

Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
Abandonment March 12, 1965	1775	1700	40 sacks cement + 3% CaCl ₂								
Mar. 12/65	800	693	45 sacks cement + 3% CaCl ₂								
Mar. 13/65	262	120	50 sacks cement + 3% CaCl ₂								
Mar. 13/65	Surface		5 sacks cement in top of casing and welded on steel plate								

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	ISI Mins.	F.S.I. Mins.	ISI.BHP.	F.S.I.BHP.	IF.BHP.	F.F.BHP.	I.H.P.	F.H.V.	REMARKS
1	Mar. 2/65	Slave Point	636	656	120	60	60	301	301	18	41	316	310	Recovered 40' drilling mud.
2	Mar. 3/65	Slave Point	740	760	120	60	60	340	340	14	20	360	359	Recovered 30' fresh drilling mud.
3	Mar. 3/65	Slave Point	760	770	90	30	60	347	347	313	347	357	354	Recovered 330' drilling mud (2500 ppm) 330' salt cut mud (12,000 ppm)
4	Mar. 9/65	Granite Wash	1699	1775	90	60-	90	30	38	24	30	907	907	Recovered 15' fresh drilling mud.

Lab. No.	Sample	From	To	Source	Remarks	PRESENT STATUS OF WELL			
E 25133	Water	760'	770'	DST #2		Oil	(Interval)		
						Gas	(Interval)		
						Dry	Abandoned		
						Susp.			

The California Standard Company

Company

Signed by

Division Superintendent

Title

Date

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

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
RESOURCES DIVISION

Application to Abandon a Well or Suspend Drilling

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

Name and number of well **Calstan Big Island G-56**
Location: Unit **G** Section **56** Grid **61° 10' N, 116° 30' W**
Latitude **61° 05' 23" N** Longitude **116° 40' 00" W**
From Established Reference MarkerPermit No. **3453**

Lease No.

The California Standard Company

(Permitter, Licensee, Lessee)

Date of commencement of proposed programme **March 12, 1965**OIL, GAS, AND WATER ENCOUNTERED
Depths

Oil at

Gas at

Water at

Total Depth **1775**

Present condition of well

Abandoned

Date of last operations **March 13, 1965**

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At	Sack of Cement	Method	Amount Pulled
1. 7"	204	201.41	212	150-2% 75% HOWCO		None
2.						
3.						
4.						
5.						

PROPOSED ABANDONMENT PROGRAMME

No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	1700-1775	Granite Wash	40 sacks	No feel
2	720- 800	Slave Point	45 "	Checked @ 693 Ft.
3	262- 162	Across surface casing	50 "	Checked at 120 Ft.
4	Surface		5 "	Welded on steel cover plate and steel post with well name.

The following logs have been run

IES, Microlog Caliper, Gamma Sonic

Other operations proposed

Operations to be carried out by **Tri City Drilling Ltd.**Address **Edmonton**Contractor Licence No. **A-11790**Address **14605 - 118 Avenue**Responsible Agent in field **R. G. Causgrove**Dated at **Edmonton**

this

13

Day of

April

19 65

Signed by **R. G. Causgrove**Company **THE CALIFORNIA STANDARD COMPANY**Title **Division Superintendent**Exploratory Licence No. **898**

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

(For RESOURCES DIVISION use only)

APPROVAL

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

Confirming oral approval given by Mr. B.H.J. Thoms on 12th March 1965

Dated **15th April**, 19 **65**

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

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
RESOURCES DIVISION

Application for a Drilling Authority

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

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

Name and number of well Calstan Big Island 6-56
Location: Unit 6 Section 56 Grid 61°10'N, 116°30'W
Latitude 61°05'23"N Longitude 116°19'00"W
From Established Reference Marker

Elevation: Ground 537.1 K.B. 550 feet above sea-level.
Well is expected to produce from Slave Point formation at a depth
of about 470 feet.

Area assigned to well

(for Oil Conservation Engineer's use only)

Permit No. 3453 Lease No. Acreage 61,920

Permittee, licensee, or lessee The California Standard Company

Exploratory Licence No. 808

Surface owned by Crown or Crown

Petroleum and natural-gas rights owned by The California Standard Company

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

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	Brand	New or Used	Estimated Depth	Sacks of Cement
1. 7"	20#	J-55		New	200	150
2.						
3.						
4.						
5.						

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

Slave Point, Sulphur Point, Granite Wash

8" 600 Series Hydril

8" 600 Series Double Gate Guiberson

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

Responsible agent of applicant:—

Contractor's Licence No. A-11790

At well R. G. Causgrove

At registered office R. G. Richardson

Address Box 2296, Edmonton

Address Box 2296, Edmonton, Alberta

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

Dated at Edmonton, Alberta, this 9 day of February 19 65

Signed by *R. G. Causgrove* Company The California Standard Company

Title for Division Superintendent Licence No.

(For Resources Division use only)

APPROVED

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

The Company will submit to this office, on Tuesday of each week,

the latest reports received by radio on the progress of the well.

Dated 11th February 1965

B. H. Shum

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

WELL HISTORY REPORT

Calstan Big Island #G-56

Unit G, Section 56, Grid 61° 10' N, 116° 30'

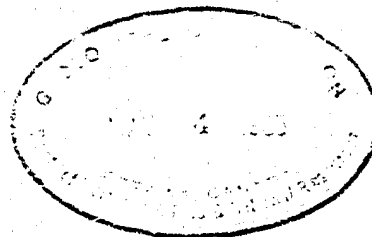
THE CALIFORNIA STANDARD COMPANY

14605 - 118 Avenue, Edmonton, Alberta.

WELL HISTORY REPORT

Calstan Big Island #G-56

Unit G, Section 56, Grid 61° 10' N, 116° 30' W



Dated: March, 1965

Signed: *R. C. Richardson*

for R. C. RICHARDSON
Division Superintendent.

CONTENTS

			<u>Page</u>
Section	I	Summary of Well Data	1
Section	II	Geological Summary	2
Section	III	Engineering Summary	3
Section	IV	Logs	6
Section	V	Analysis	7
Appendix	A	Sample Description	
Appendix	B	D.S.T. Charts and Pressure Reports	
Appendix	C	Water Analysis	

WELL HISTORY REPORT

Section I = Summary of well Data

- a) Well name - Calstan Big Island #G-56
- b) Permittee - The California Standard Company
Medical Arts Building,
CALGARY, Alberta
- c) Licencee - The California Standard Company
P. O. Box 2296,
EDMONTON, Alberta.
- Operator - The California Standard Company
P. O. Box 2296,
EDMONTON, Alberta.
- d) Location - Unit G, Sec. 56, Grid 61° 10' N, 116° 30' W
- e) Coordinates - Latitude 61° 05' 23" North
Longitude 116° 40' 00" West
- f) Permitt number - #3453
- g) Drilling contractor - Tri City Drilling Rig #4
- h) Drilling Authority - #152 issued February 11th, 1965
- i) Classification - Wildcat
- j) Elevations - Ground 537.1'
K.B. 548'
- k) Spudded: - February 25th, 1965, 12:30 a.m.
- l) Completed Drilling - March 9th, 1965 6:15 a.m.
- m) Total Depth - 1775' Driller
1777' Schlumberger
- n) Well Status - Abandoned
- o) Rig Released - March 13th, 1965 1:00 p.m.
- p) Hole size - 9 7/8" 0 - 224'
6 1/4" 224 - 1775'
- q) Casing -
- | <u>Size</u> | <u>Type</u> | <u>Weight</u> | <u>Set at</u> | <u>Sax of cement</u> |
|-------------|-------------|---------------|---------------|--------------------------------|
| 7" | J3-55 | 20# | 211.91 | 150 sax + 2% CaCl ₂ |

Section II - Geological Summary

a) Formation Tops:

	Depth (Sample)	Depth (Log)	Elevation (Log)
Hay River Shale		226	+ 322
Slave Point	636	640	- 92
Pine Point	1084	1084	- 536
Chinchaga	1200	1200	- 852
Mirago Point	1655	1655	-1007
Granite Wash (Geodational)	1722	1722	-1174
Precambrian (Granite)	1738	1738	-1190

b) Cored Intervals:

No cores cut.

c) Core Descriptions:

None

d) Sample Descriptions:

See Appendix A.

Section III - Engineering Summary

a) Drill Stem Tests:

For D.S.T. Charts and Pressure Reports - See Appendix B.

D.S.T. #1 636-656 (Slave Point)

Preflow 5 minutes - faint air blow. Initial shut in 60 minutes, valve open 120 minutes, final shut in 60 minutes. Recovered 40 feet of drilling mud

IHP 316; FHP 310; ISIP 301; FSIP 301; IFP 18; FFP 41;

D.S.T. #2 740-760 (Slave Point)

Preflow 5 minutes - faint air blow. Initial shut in 60 minutes, valve open 120 minutes, final shut in 60 minutes. Recovered 30 feet of fresh drilling mud.

IHP 360; FHP 359; ISIP 340; FSIP 340; IFP 14; FFP 20;

D.S.T. #3 760-770 (Slave Point)

Preflow 5 minutes - strong air blow, decreased to nil after 35 minutes. Initial shut in 30 minutes, valve open 90 minutes, final shut in 60 minutes. Recovered 330 feet drilling mud, slightly salt cut (2500 ppm) and 300 feet of salt cut mud (12000 ppm).

IHP 357; FHP 354; ISIP 347; FSIP 347; IFP 313; FFP 347;

D.S.T. #4 1699-1775 (Granite Wash)

Preflow 5 minutes - faint air blow for one minute then died. Initial shut in 60 minutes, valve open for 90 minutes, final shut in 90 minutes. Recovered 15 feet fresh drilling mud.

IHP 907; FHP 906; ISIP 38; FSIP 30; IFP 24; FFP 30;

b) Casing Record:

Only surface casing run.

Size	Type	Weight	Set at	Sax of Cement
7"	J-55	20#	211.91'	150 sacks + 2% CaCl ₂

c) Bit Record:

Number	Size	Serial	Kind	From	To	Hours on Bottom
1A	9 7/8	RR	HWOSC	0	215	17
2A	9 7/8	RJ	POSC-3	215	224	1
1	6 1/4	44286	OSG1G	224	649	14 3/4
2	6 1/4	42347	HWOWV	649	760	9 1/2
3	6 1/4	44262	HWOWV	760	1048	21 1/4
4	6 1/4	44333	HWOSC	1048	1214	17 1/4
5	6 1/4	42259	HWOWV	1214	1366	14 1/2
6	6 1/4	44331	HWOSC	1366	1509	15 1/2
7	6 1/4	35328	HWOWC	1509	1622	15
8	6 1/4	35329	HWOWC	1622	1744	15

9 6 1/4 35379(box) #7R2 1744 1775 10 1/4
75379(bit)

d) Mud Report:

<u>Materials</u>	<u>Sacks Quantity</u>
Macogel	301
Caustic soda	29
Tannathine	23
Spercer	48
CMC Louis	4
Sapp	1
Plaster of Paris	10
Sawdust	72
Fiberseal	12
Lime	6
Calcium Chloride	8

e) Deviation Record:

A "Sure Shot" deviation recorder was used.

<u>Depth</u>	<u>Reading</u>
60'	1°
124'	1°
184'	1°
231'	1°
656'	3/4°
864'	3/4°
1078'	1°
1263'	3/4°
1478'	3/4°
1663'	0°
1775'	1/4°

f) Abandonment Plugs:

Plug #1 (1700-1775')
40 sacks construction cement plus 3% CaCl₂. Cement in place
4:55 p.m. March 12, 1965.

Plug #2 (800-720')
45 sacks construction cement plus 3% CaCl₂. Cement in place
6:30 p.m. March 12, 1965. Felt plug at 693' after 8 hours.

Plug #3 (262-162')
50 sacks construction cement plus 3% CaCl₂. Cement in place
3:45 a.m. March 13, 1965. Felt plug at 120' after 8 hours.

Plug #4
5 sacks of construction cement in top of surface casing and
welded on steel plate.

g) Lost Circulation Zones:

None

h) Blowout:

None

Section IV - Logs

Run #1 at final T.D. on March 10th, 1965 by Schlumberger.

Induction E-log	2" - 100'	212 - 1776'
	5" - 100'	212 - 1776'

Microlog - Caliper	5" - 100'	500 - 1776'
--------------------	-----------	-------------

Sonic - Gamma Ray Caliper	2" - 100'	0 - 1776'
	5" - 100'	0 - 1776'

Note: All logs have been forwarded previously under separate cover.

Section V - Analysis

a) Core Analysis:

No cores cut.

b) Water Analysis:

See Appendix C.

c) Gas Analysis:

None

d) Oil Analysis:

None

APPENDIX "A"

Sample Descriptions

Sample Descriptions

- 0-180 Glacial till and gravels
- 180-226 Lake sand and gravel
- 226 Top Hay River Shale (log)
- 240-420 Shale, very calcareous, light to medium grey, micaceous, flakey to mass, with carbonaceous flecks possibly from fish scales. Occasional Tentaculites.
- 420-430 Siltstone, very calcareous, argillaceous, medium grey, with a few sand grains, mass, Tentaculites.
- 430-460 Shale, calcareous, light grey, massive to flakey micaceous, trace pyrite, Carbonaceous flecks as above.
- 460-480 Limestone, argillaceous, microcrystalline, light grey, with Tentaculites; fossil fragments, trace pyrite, interbedded with shale as for 430-460.
- 480-510 Shale, calcareous, light grey, flakey, micromicaceous.
- 510-550 Limestone, argillaceous, light grey brown to cream, microcrystalline, with Tentaculites crinoid columnals and fossil fragments. Trace white silica blebs, with clay, and orange staining. Interbedded with shale as for 480-510.
- 550-636 Shale, slightly calcareous, light to medium grey, flakey, micaceous, with grey brown Tentaculites limestone stringer between 580-590.
- 636 Sample Top Slave Point
- 636-680 Limestone, non-argillaceous, light brown, coarse fraction 60-70%, greater than 2 mm, made up of massive stromatoporeoids, Amphipora, crinoid fragments, spar cement 30 to 40%, from 640-650 20-30% dolomitized, with earthy porosity in the skeletal elements, pinpoint porosity to 6% in skeletal cavities. Trace very fine to microcrystalline quartz crystals. Entire rock light brown oil stained. Pyrite lens at 636.
- 680-890 Limestone, non-argillaceous, light to medium brown, some cream, coarse fraction mainly pellets, 60 to 70%, occasional oolites and intraclasts, spar cement 30-40%, with some stromatoporeoids Amphipora, occasional corals, algae. Trace calcispheres, abundant at 710. Trace green chert at 790. Vugular porosity 740-920, up to 20% at 770-780, mainly trace to 2% with poor permeability. Light brown oil staining 760-880. Stylolites abundant.

- 890-910 Limestone, non-argillaceous, medium brown, coarse fraction mainly stromatoporoids and *Amphipora* 60-70%, spar cemented. Trace ostracods.
- 910-1040 Limestone, non-argillaceous, medium to light brown, very fine pelletoid 70-80%, spar cemented. Partially dolomitized 930-970, to dolomite between 950-960. Clusters of quartz crystals 950-980 with spheroids of white silica. Occasional stromatoporoids, same beds with abundant fossil fragments. Earthy porosity at 960. Stylolites. Pinpoint porosity, poor, at 1030 with oil staining.
- 1040-1094 Limestone argillaceous, medium brown, mainly micro-crystalline with some coarse fraction of fossil fragments reaching 70% at bottom of interval, with pellets. White spheroids of silica. Opicules at 1080.
- 1084 Sample Top Pine Point
- 1084-1120 Shale, very calcareous, dark grey-brown to brown grey, mass. Trace pyrite.
- 1120-1160 Limestone, argillaceous, bituminous, medium grey brown. Upper ten feet pelletoid grading to fossil fragmented rock, coarse fraction very fine to medium grained, 40-70%, fine fraction 30-60%. Occasional calcisphere, some stubby quartz crystals.
- 1160-1290 Limestone very argillaceous and bituminous, with grey green calcareous shale 1160-1165. Coarse fraction fossils - *Tentaculites*, *Emanuella* and other brachiopods, crinoid 10-30%, fine fraction 90-70% microcrystalline calcite, bitumin and clay. Abundant bituminous partings. Spheroids of white silica in some crinoid columnals. Occasional proetid trilobite.
- 1290-1400 Limestone, mainly non-argillaceous, very argillaceous 1300-1310, 1370-1390, medium to dark brown, coarse fraction very fine granular, 40% fragmented fossils, matrix micrite 60%. Occasional ostracod. Occasional trace bituminous.
- 1400 Sample Top Chinchage
- 1400-1480 Dolomite, non-argillaceous, medium brown, fine to medium crystalline. 20-40% calcareous 1400-1420, trace anhydrite 1470-1480. Scattered gypsum from vugs 1440-1470. Trace to 2% vugular porosity throughout, from 1430-1450, 8% vugular and intercrystalline porosity with good permeability.
- 1480-1655 Anhydrite, non-argillaceous medium brown, cryptocrystalline translucent, with green shale beds at base. Some fleshy coloured at base.
- 1655 Sample Top Mirage Point

- 1655-1670 Anhydrite, argillaceous, dolomite, dusky red, crypto-crystalline grading to:
- 1670-1720 Mudstone, anhydritic, dolomitic, dusky red, massive, becoming non-anhydritic at base, sand grains scattered from 1680 to bottom, becoming more abundant at base, where colour becomes pinkish.
- 1720 Sample Top Granite Wash
Gradational from above.
- 1720-1730 Sandstone, very argillaceous, micaceous, with some pebbles of granite, including biotite, angular, very poor sorting from fine to coarse. Trace of pinpoint vugular porosity, in matrix, very poor permeability. Positive hydrocarbon cut.
- 1730-1738 Quartzite, argillaceous, micaceous, vari-coloured, pinks, reds, stained with red, very poor sorting, subrounded to subangular, very fine to coarse. Some earthy hematite.
- 1738 Sample Top Precambrian
- 1738-1775 Biotite granite, pink, medium to coarse crystalline. Some weathered near top.

APPENDIX "B"

D.S.T. Charts & Pressure Reports

JOHNSTON TESTERS

TEST DATA				550 KB	
636	556	556			1/2"
Type of Test Open Hole, Bottom Hole					
0530		0702			
5		60			
120		60			
1107		1200			
20,000		25,000			
Description of Blow During Test Faint Blow.					
GAS BLOW MEASUREMENTS				TOOL SEQUENCE	
Measured with				Sub.	.81
Type of Instrument				P.O. Sub.	.72
			Sub.	.83	
			D.P. Sub.	.66	
			Shut in Tool	6.03	
			Hyd. Tool	7.49	
			Safety Jt.	1.74	
			T.C. & Pkr.	6.20	
			T.C. & Pkr.	5.30	
			Total	29.78	
			Stub	1.30	
			Perf.	5.00	
			2 Recorders	11.82	
			Perf. & B.N.	1.98	
			Total Interval	20.10	
FLUID RECOVERY					
Was Test Reverse Circulated Yes No ☒					
Fluid Recovered Total 40'				Total Length	49.88
Description of Fluid Recovered 40' Drilling Fluid.				MUD AND HOLE DATA	
				Mud Type Gel.	WL 10.0
				Filter Cake 2/32 Visc 46	Wt. 9.3
				Time Taken	
				Contractor Tri-City Drilling	
Remarks Test Satisfactory.				Rig No. 4	
				Drill Pipe Size	3 1/2 IF
				Drill Collar Size	Length 240.00'
				Main Hole Size	6 1/4"
				Rat Hole Size	
Co. Rep.					
Tester T. Scheffelaier					
District Edmonton				Ticker No. C 3394	Date March 2/65
Company California Standard Company				Address P.O. Box 2296, Edmonton, Alberta	
Well Name Calsten Big Island G-56				Test No. 1	JTL Test No. 1
Number 61°-05'-23"N-116°-40'-00"W				Field Wildcat	Province N. W. T.
Formation DST#1 536-656				Consultant	
and Interval					
Distribution of Reports				5 - Edmonton	

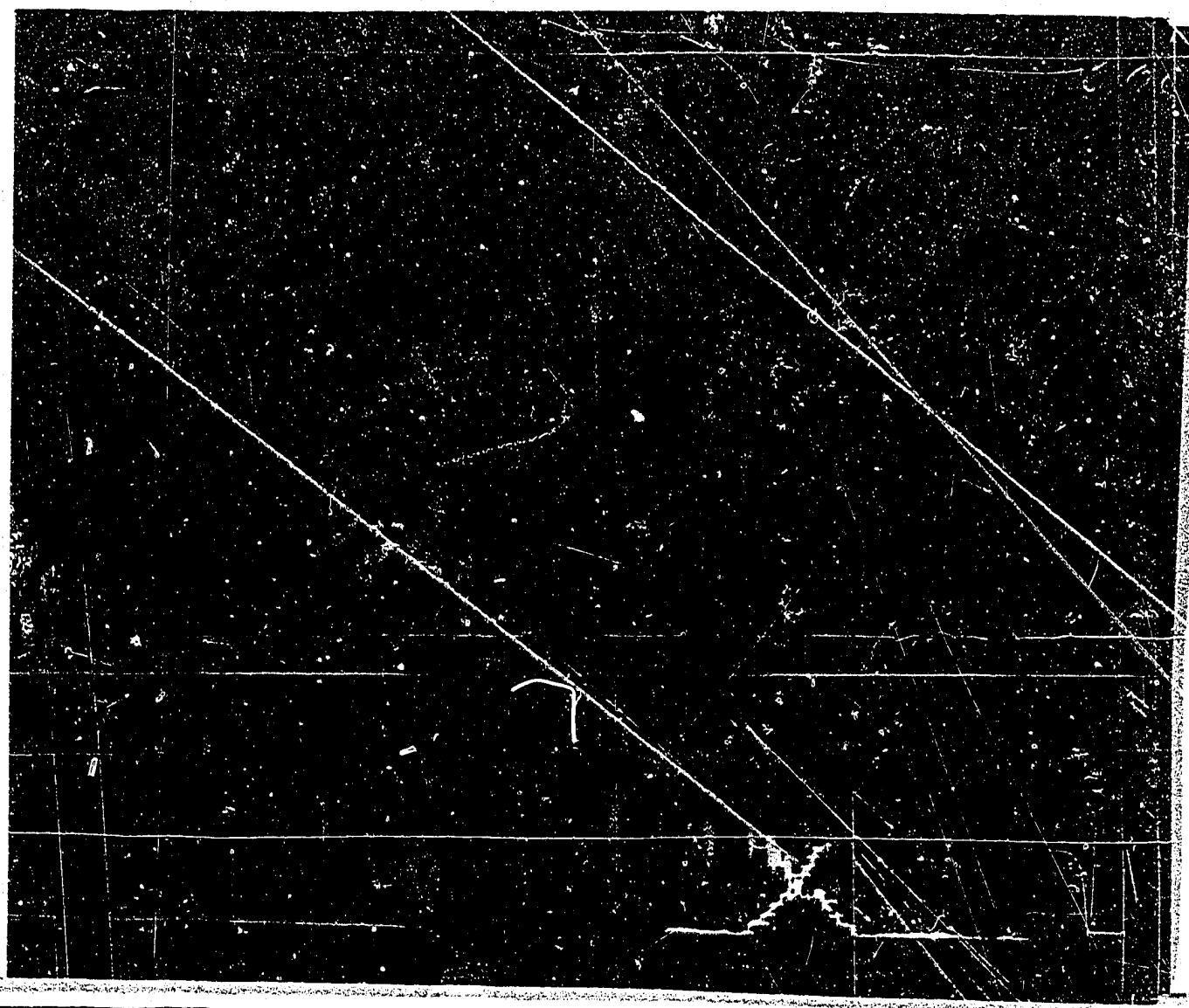
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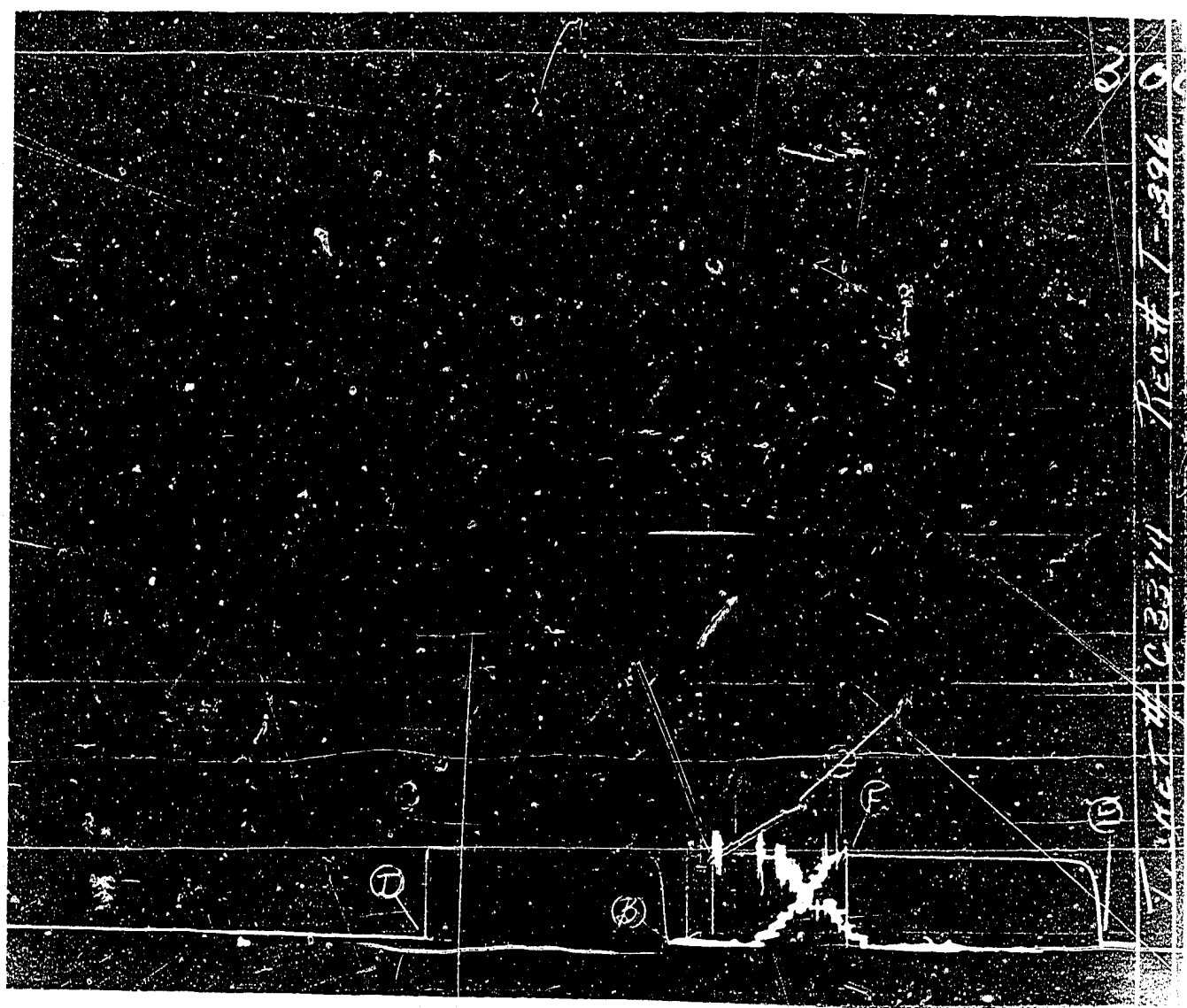
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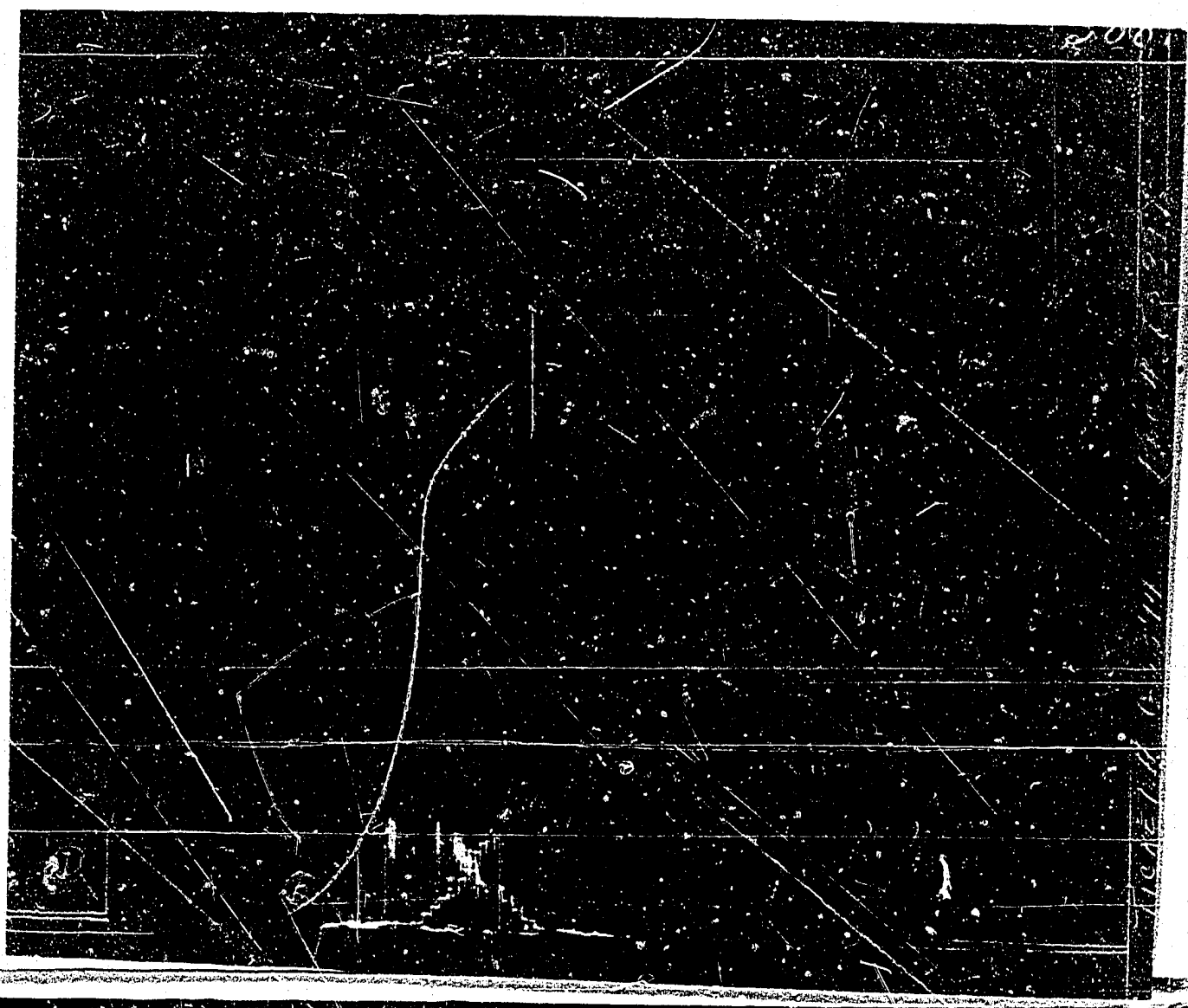
C 3294

T-396	T-397
3000	3000
642	648
80°	80°
316#	331#
18#	32#
301#	311#
18#	37#
41#	52#
301#	309#
310#	326#

T-396 - Inside Recorder
T-397 - Outside Recorder









Pressure Breakdown Data

Doc. No. C 3394

Summary

3000

Recorded Date:

648

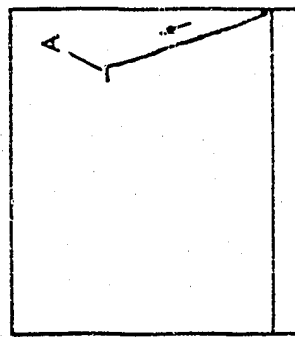
Class: _____ Date: _____

• 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812 2813 2814 2815 2816 2817 2818 2819 2820 2821 28

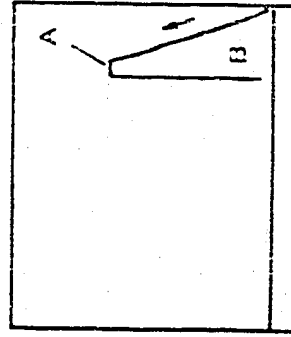
Lab Temperature 80 °F

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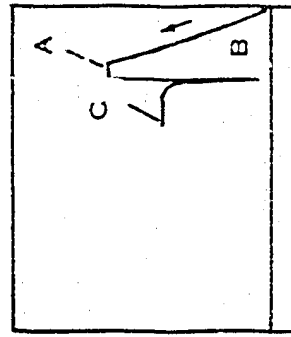
GUIDE TO INTERPRETATION AND IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



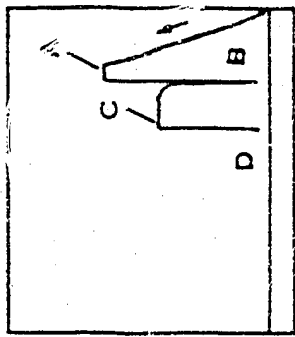
The pressure chart records the build-up in hydrostatic pressure as the testing assembly is lowered into the hole. Upon reaching the testing depth the hydrostatic head or pressure of mud column is recorded.



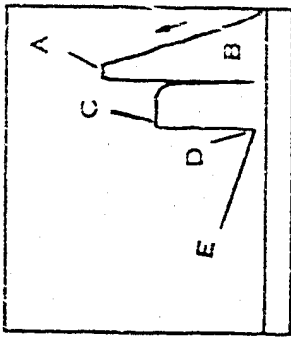
The packer is expanded and set to isolate the least zone. When the test valve is opened, a pressure drop is indicated on the pressure chart. This pressure drop is caused by removal of the hydrostatic mud pressure from the formation, allowing the formation to produce



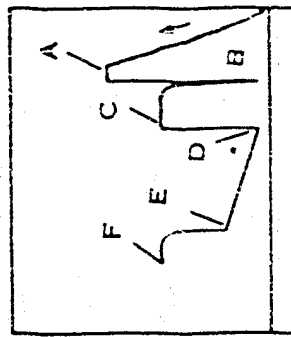
This chart shows the initial shut-in pressure there is one mechanical method commonly used to obtain this pressure. A 4 stage shut-in tool, which is run-in in the open position and rotated 90° when the desired amount of initial flow is obtained. This initial shut-in pressure is the best method yet devised for recording the original undisturbed reservoir pressure of a formation.



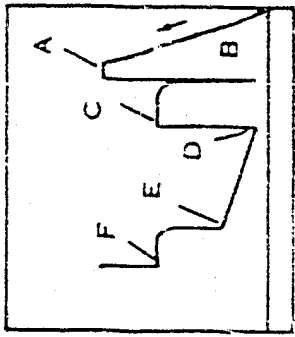
The chart indicates a pressure drop. The test fluid has been opened to the surface by rotating the 4 stage shut-in tool into the open position. Permitting the open formation to produce.



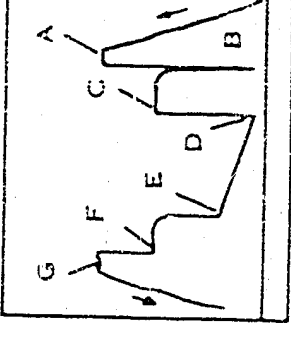
The pressure of fluid flowing from the formation into the well bore, through the perforated anchor, and into the drill pipe, is recorded on the chart.



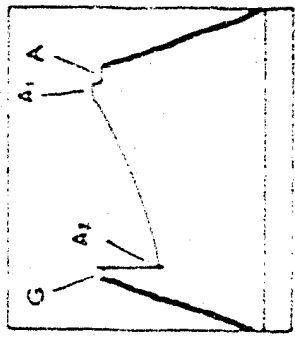
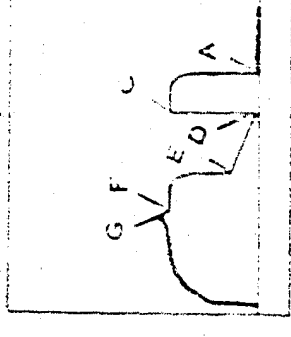
The final shut-in pressure is taken by stopping the flow of formation fluid into the drill pipe. Note the characteristic build-up curve. The well bore pressure is approaching equilibrium with the static reservoir pressure. When the shut-in curve levels off the static reservoir pressure has been reached.



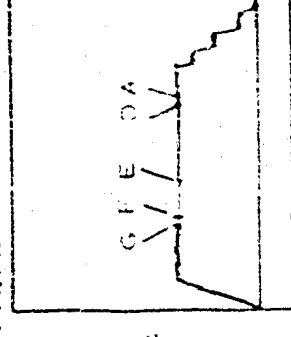
The chart shows the equating the breast doesn't have been opened forming the ducts would to flow through the packer to the tail one that pressure is established above and below the packer the evacuation of the pressure facilitates easier removal of the filler from the packer last



The paper has been oriented. The testing assembly is being removed from the hole.

[illegible]

...the ...

[illegible]

INDEX OF LABELED POINTS:

- A—Initial Hyd. Mod
B—First Initial Flow
C—Initial Shut-in
D—Initial Flow
E—Final Flow
F—Final Shut-in
G—Final Hyd. Mod

The following points are either fluctuating pressures or points indicating other packer settings. (Testing different zones).

- A-1, A-2, A-3, etc. Initial Hyd. Pressures.
B-1, B-2, B-3, etc. The Final Flow.
C-1, C-2, C-3, etc. The Initial Shut-in Pressures.
D-1, D-2, D-3, etc. Flowing Pressures.
E-1, E-2, E-3, etc. The Final Flow Pressures or Final Shut-in Pressures.
F-1, F-2, F-3, etc. The Final Shut-in Pressures.
G-1, G-2, G-3, etc. Final Hyd. Mgd Pressures.

- Special pumping formation pressure points such as pressure recorded for breakdown.

JOHNSTON TESTERS

TEST DATA				550 KB 1/2"	
740	760	760			
Type of Test: Open Hole, Bottom Hole					
0430		0533			
5		60			
120		60			
0339		1030			
20,000		24,000			
Description of Blow During Test: Weak Blow, Dead in Three Minutes.					
GAS BLOW MEASUREMENTS			TOOL SEQUENCE		
Monitoring with: 10' Blow or Est.			Sub. .81		
Type of Instrument:			P.O. Sub. .72		
			Sub. .83		
			D.P. Sub. .66		
			Shut in Tool 6.03		
			Hyd. Tool 7.49		
			Safety Jt. 1.75		
			T.C. & Pkr. 5.30		
			Total 23.59		
			Stub 1.30		
			Perf. 5.00		
			2 Recorders 11.82		
			Perf. & B.N. 1.98		
			Total Interval 20.10		
FLUID RECOVERY			MUD AND HOLE DATA		
Was Test Reverse Circulated Yes ☐ No ☒			Mud type Gel and Chem WL 10.0		
Fluid Recovered Total 30'			Filter Cake 2/32 Visc 47 Wt 9.3		
Description of Fluid Recovered 30' Drilling Fluid.			Time taken 0400 hrs.		
			Contractor Tri-City Drilling		
Remarks Test Satisfactory.			Rig No. 4		
			Drill Pipe Size 3 1/2 IF		
			Drill Collar Size Length 240.00'		
			Main Hole Size		
			Rat Hole Size		
Co. Rep					
Tester T. Scheffelmanier					
District Edmonton			Ticket No. C 3395		
Company California Standard Company			Date March 3/65		
Well Name Calstan Big Island G-56			Address P.O. Box 2296, Edmonton, Alberta		
Number 61°-05'-23"N-116°-40'-00"W			Test No. 2		
Formation DST#2 740-760			J.T.L. Test No. 2		
			Province N. W. T.		
and Interval			Consultant		
Distribution of Reports			5 - Edmonton		

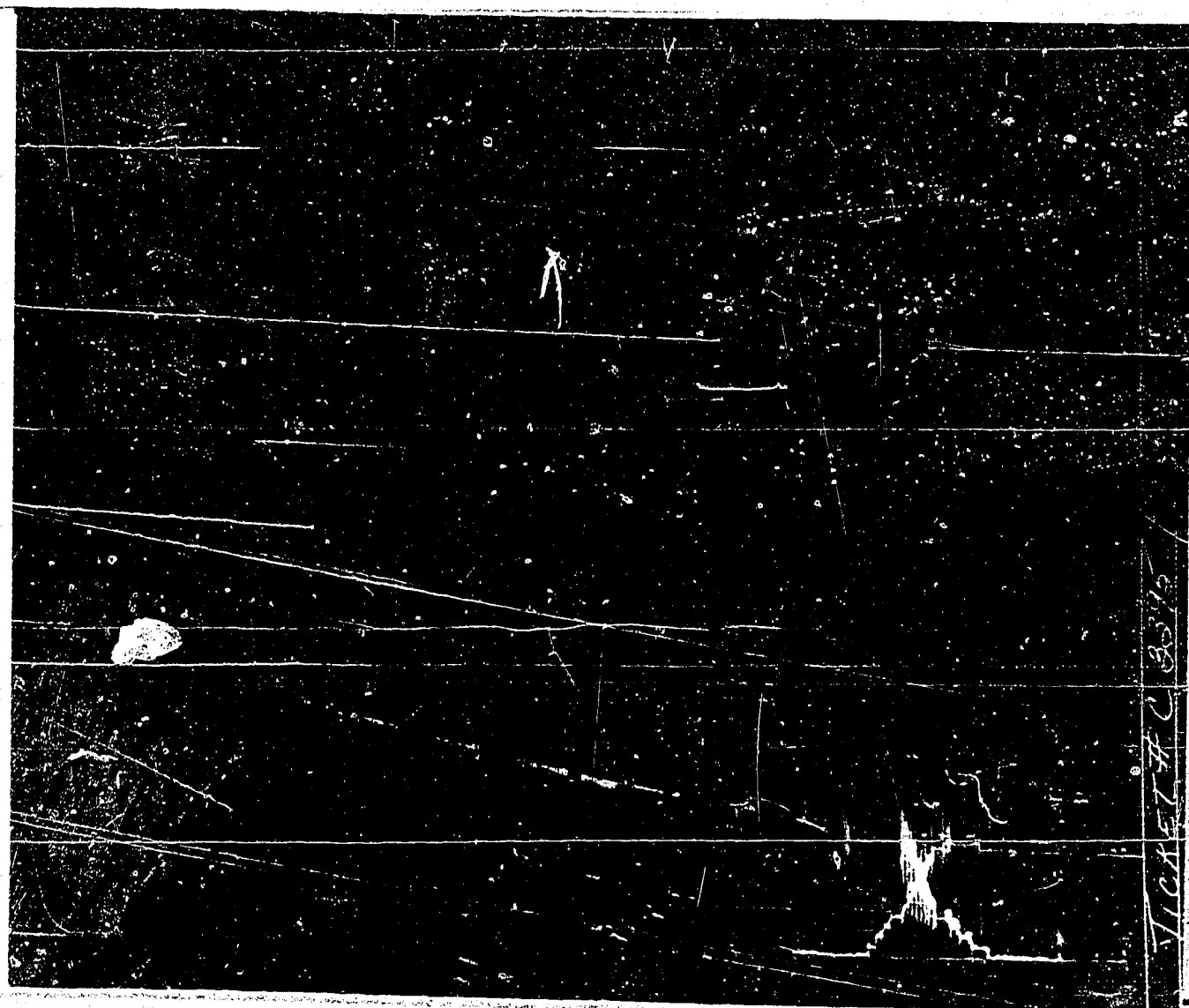
JOHNSTON TESTERS

Pressure Data

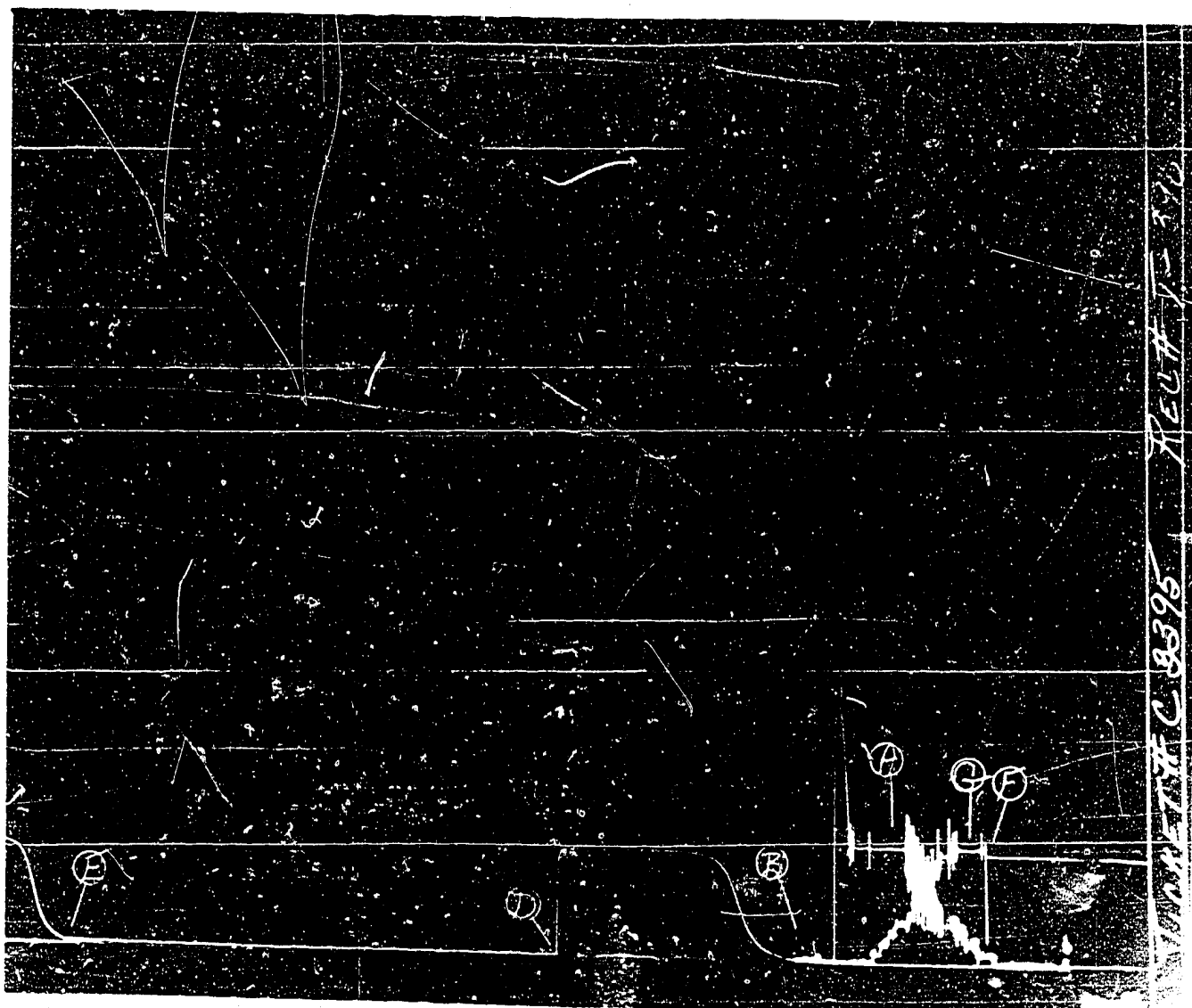
C 3335

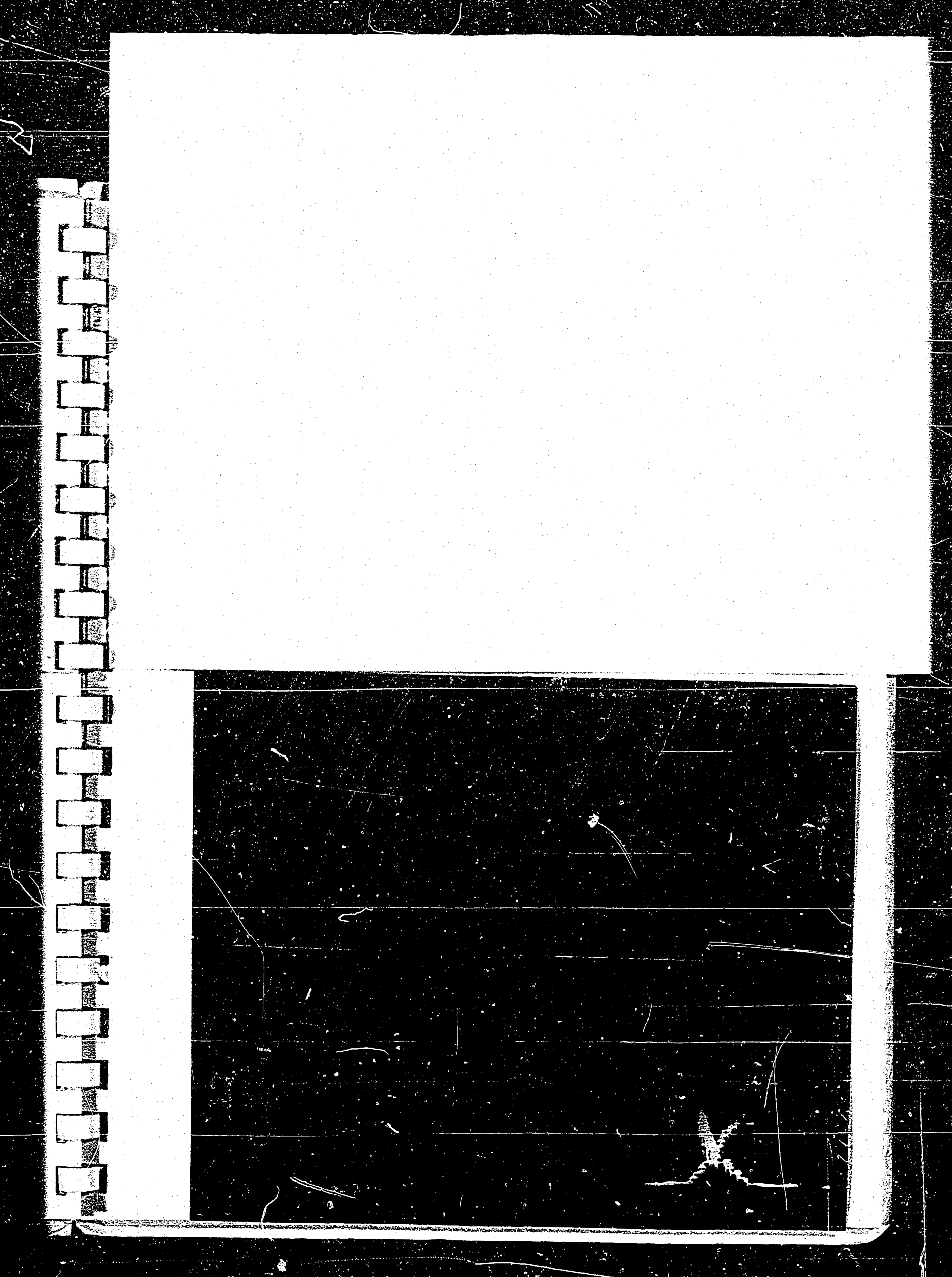
T-396	T-397
3000	3000
746	752
828	829
360#	373#
14#	24#
340#	345#
12#	27#
20#	33#
340#	345#
359#	369#

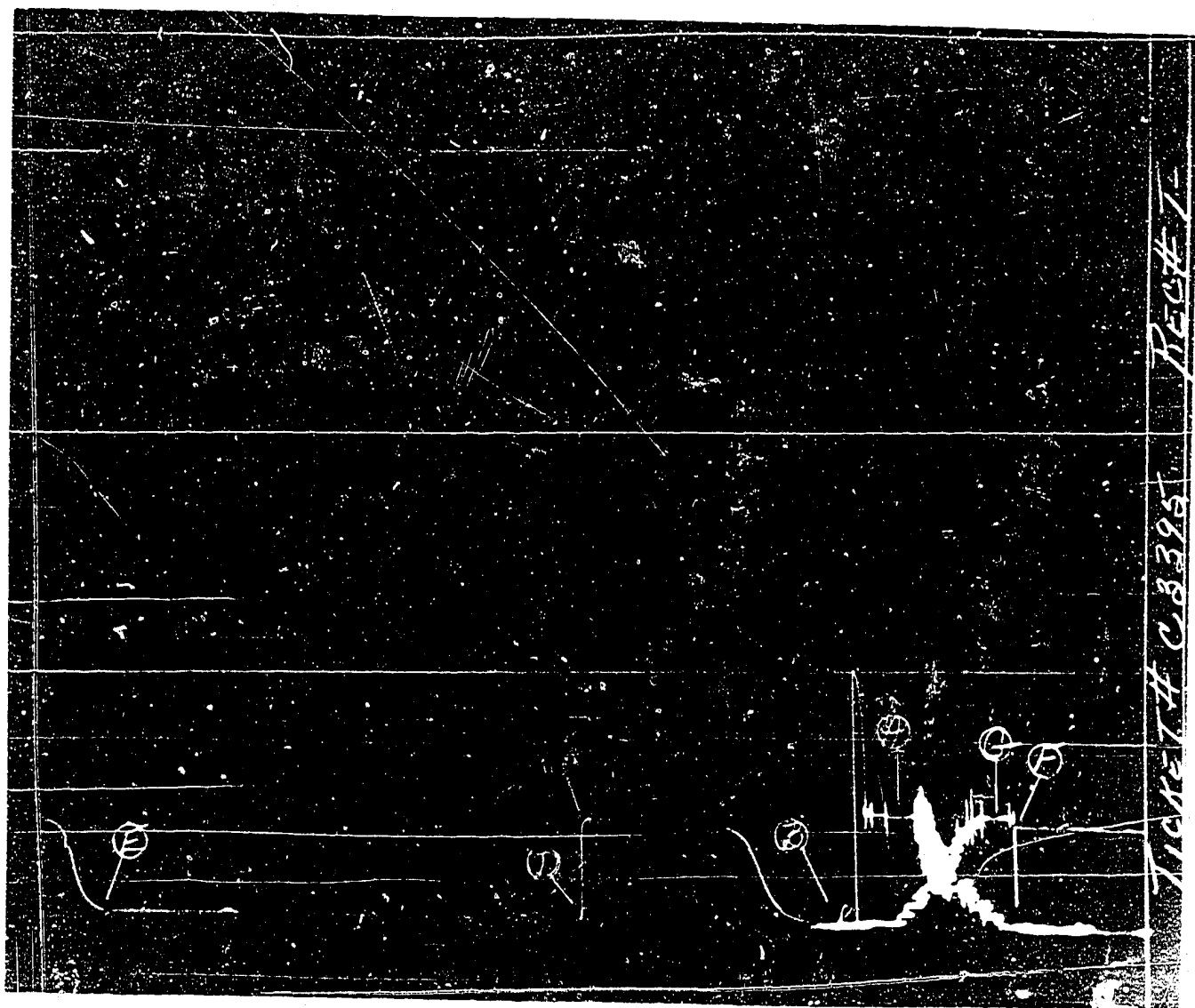
T-396 - Inside Recorder
T-397 - Outside Recorder



TICKET # C 3312







RECT

TICKET # C.3395

JOHNSTON TESTERS

Pressure Breakdown Data

Date: March 3, 1965

C 2735

Well: T-207

3000

752

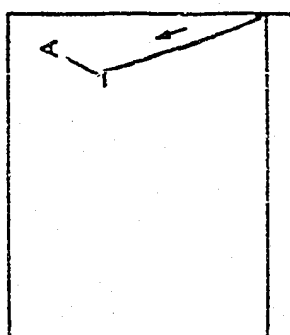
Core: 10

Well Temperature: 82

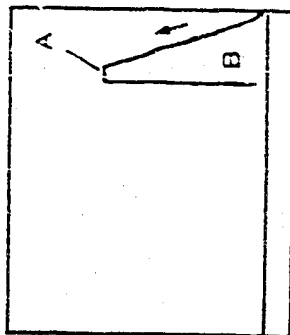
Point	Pressure	Time Given	Time Computed
Initial Shut-In	373#	0533	
First Flow	74#	5	Min
Second Flow	345#	60	Min
Third Flow	27#	120	Min
Fourth Flow	33#	60	Min
Fifth Flow	745#		
Sixth Flow	369#		

PRESSURE INCREMENTS								
INITIAL SHUT-IN			FINAL SHUT-IN					
Breakdown at 20			Breakdown at 20			Breakdown at		
3			3			3		
inches and a flow			inches and a flow			inches and a flow		
increment of			increment of			increment of		
Point Minutes	Pressure	$\frac{T + \Delta T}{\Delta T}$	Point Minutes	Pressure	$\frac{T + \Delta T}{\Delta T}$	Point Minutes	Pressure	$\frac{T + \Delta T}{\Delta T}$
0	24	----	0	33	-----			
3	25	2.67	3	50	42.67			
6	31	1.83	6	92	21.83			
9	40	1.56	9	195	14.89			
12	56	1.42	12	288	11.42			
15	88	1.33	15	319	9.33			
18	161	1.28	18	328	7.94			
21	255	1.24	21	333	6.95			
24	307	1.21	24	336	6.21			
27	326	1.19	27	337	5.63			
30	333	1.17	30	338	5.17			
33	335	1.15	33	339	4.79			
36	338	1.14	36	340	4.47			
39	340	1.13	39	341	4.21			
42	342	1.12	42	342	3.98			
45	343	1.11	45	343	3.78			
48	343	1.10	48	343	3.60			
51	344	1.10	51	344	3.45			
54	344	1.09	54	344	3.31			
57	345	1.09	57	345	3.19			
60	345	1.08	60	345	3.08			

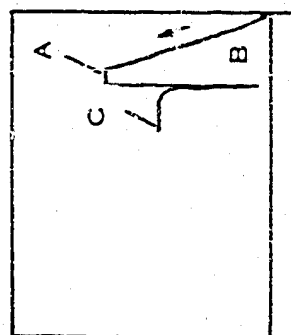
GUIDE TO INTERPRETATION AND IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



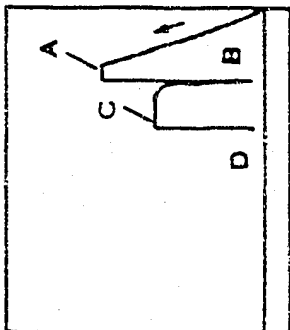
The pressure chart records the buildup in hydrostatic pressure as the testing assembly is lowered into the hole. Upon reaching the testing depth the hydrostatic head or pressure of mud column is recorded.



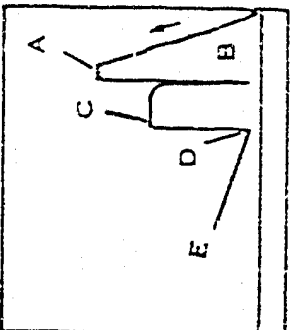
The packer is expanded and set to isolate the test zone. When the test valve is opened, a pressure drop is indicated on the pressure chart. This pressure drop is caused by removal of the hydrostatic mud pressure from the formation, allowing the formation to produce.



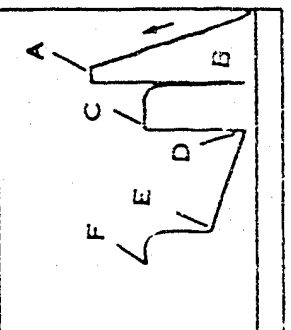
This chart shows the initial shut-in pressure. There is one mechanical method commonly used to obtain this pressure. A 4 stage shut-in tool is run in the open position and isolated closed. When the desired amount of initial flow time is obtained, this initial shut-in pressure is the best method yet devised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



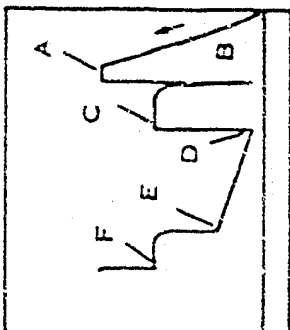
The chart indicates a pressure drop. The test tool has been opened to the surface by rotating this 4 stage shut-in tool into the open position. Permitting the open formation to produce.



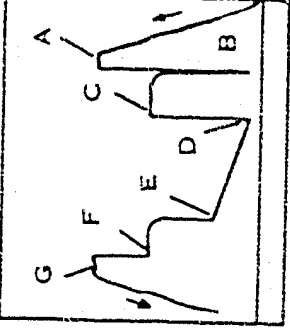
The pressure of fluid flowing from the formation into the well bore, through the perforated archer, and into the drill pipe, is recorded on the chart.



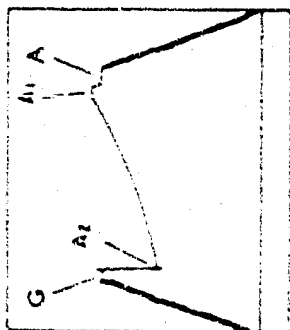
The final shut-in pressure is taken by stopping the flow of formation fluid into the drill pipe. Note the characteristic buildup curve. The well bore pressure is approaching equilibrium with the static reservoir pressure. When the shut-in curve levels off the static reservoir pressure has been reached.



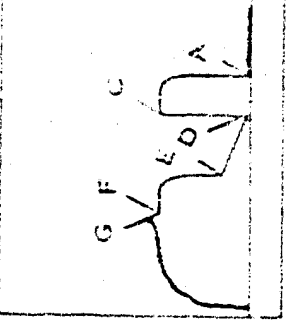
The chart shows the circulating the bitumen has been created by moving the drilling fluid to flow through the packer to the test zone. This pressure is equalized above and below the packer. The circulation of the bitumen facilitates easier removal of the packer from the test zone.



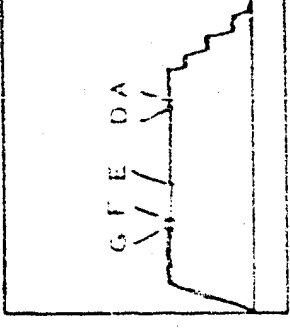
The packer has been sheared. The testing assembly is being removed from the hole.



This chart is a typical illustration of a shut-in test. The pressure is recorded as the testing assembly is lowered into the hole. The hydrostatic head or pressure of mud column is recorded. When the test valve is opened, a pressure drop is indicated on the pressure chart. This pressure drop is caused by removal of the hydrostatic mud pressure from the formation, allowing the formation to produce.



In this case a recorder has been run in as a check. The hydrostatic mud pressure is not indicated on the recorder when going in or coming out of the hole due to the mud valve being closed. The flow pressure and shut-in pressure are recorded with the mud valve open.



In this case a recorder has been run in as a check. The hydrostatic mud pressure is not indicated on the recorder when going in or coming out of the hole due to the mud valve being closed. The flow pressure and shut-in pressure are recorded with the mud valve open.

INDEX OF LABELED POINTS:

- A—Initial Hyd. Mud
- B—First Initial Flow
- C—Initial Shut-in
- D—Initial Flow
- E—Final Flow
- F—Final Shut-in
- G—Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings. (Testing different zones).

- A-1, A-2, A-3, etc. Initial Hyd. Pressures
- B-1, B-2, B-3, First Initial Flow
- C-1, C-2, C-3, etc. The Initial Shut-in Pressures
- D-1, D-2, D-3, etc. Flowing Pressures
- E-1, E-2, E-3, etc. The Final Flow Pressures or Final Shut-in Pressures
- F-1, F-2, F-3, etc. The Final Shut-in Pressures
- G-1, G-2, G-3, etc. Final Hyd. Mud Pressures
- Z — Special pressure points such as pumping pressure recorded for formation breakdown.

JOHNSTON TESTERS

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JOHNSTON TESTERS

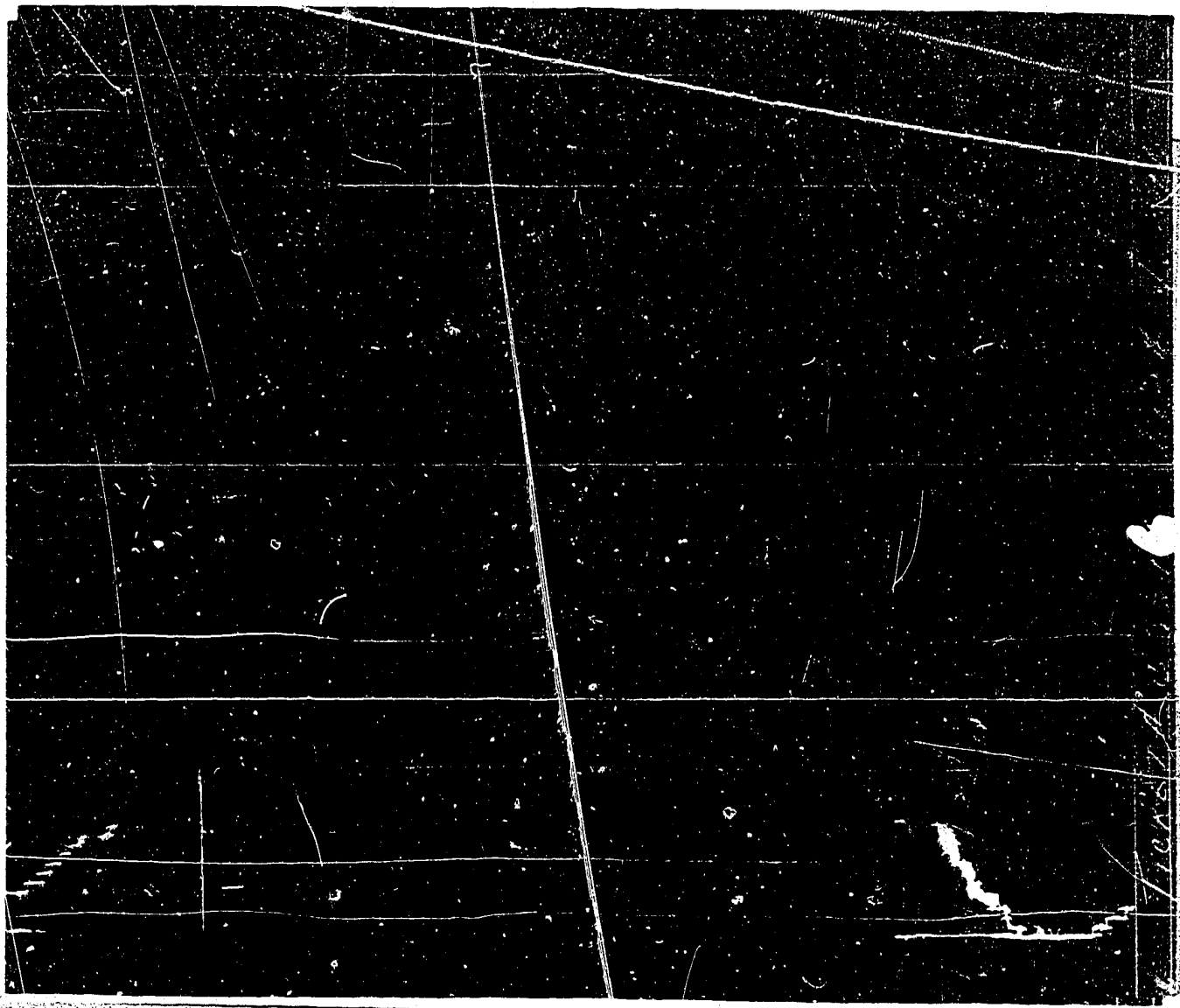
Pressure Data

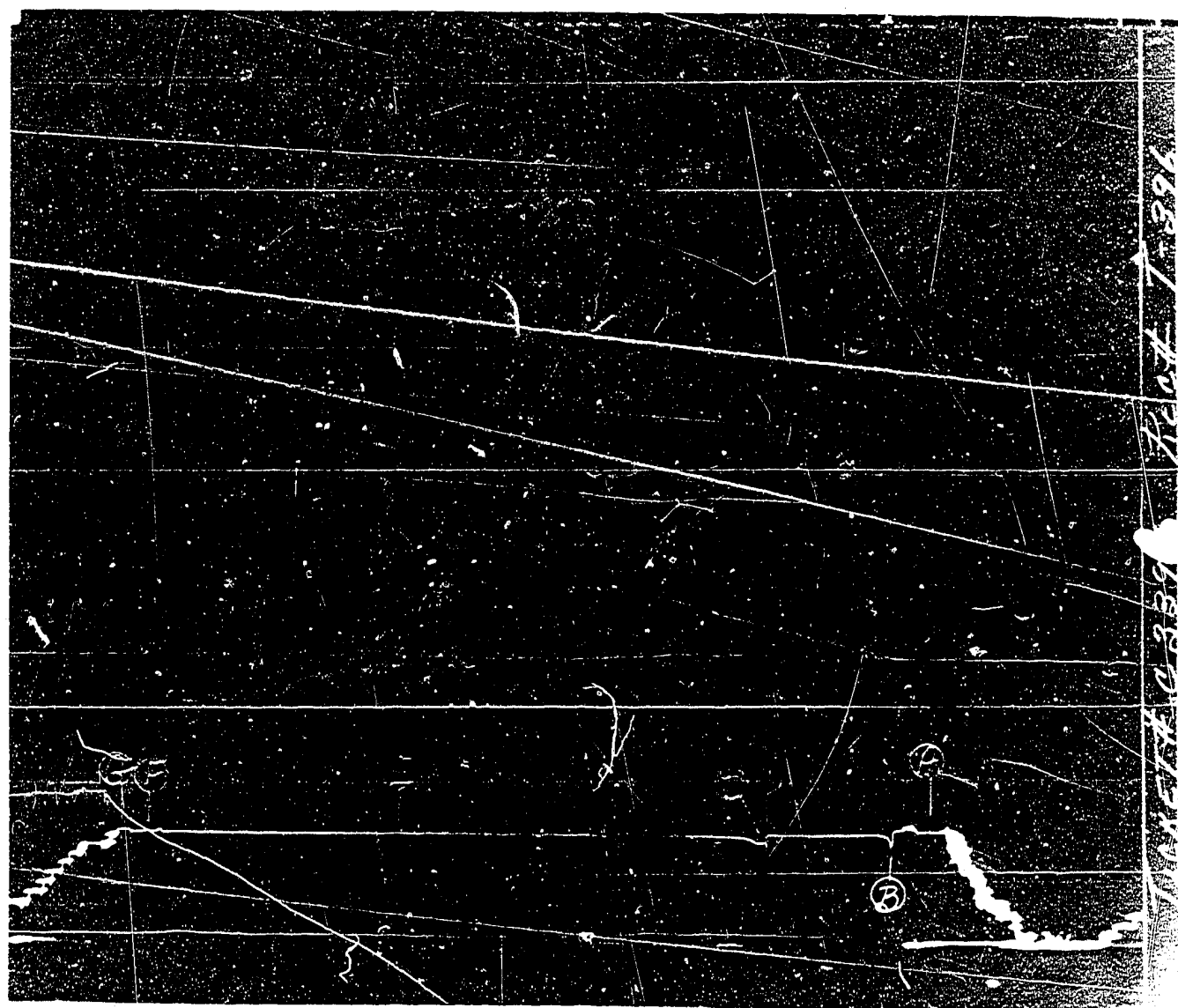
C3596

	T-398	T-397
Barometric Pressure	3000	3000
Sea Level Pressure	741	762
Atmospheric Pressure	82°	82°
A. Inside Recorder	357#	370#
B. Outside Recorder	313#	292#
C. Inside Recorder	347#	352#
D. Outside Recorder	321#	324#
E. Inside Recorder	347#	350#
F. Outside Recorder	347#	350#
G. Inside Recorder	354#	350#

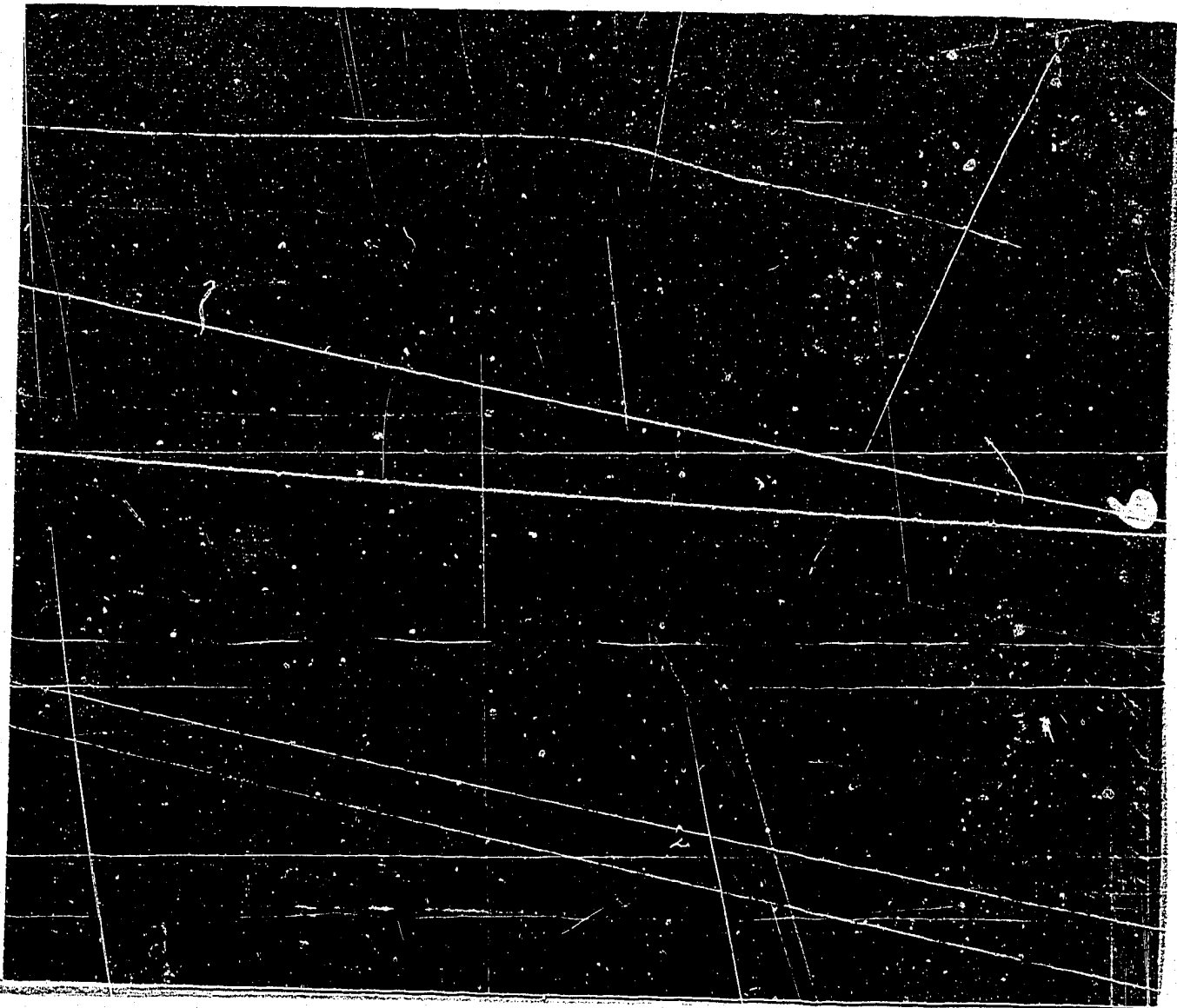
T-396 - Inside Recorder

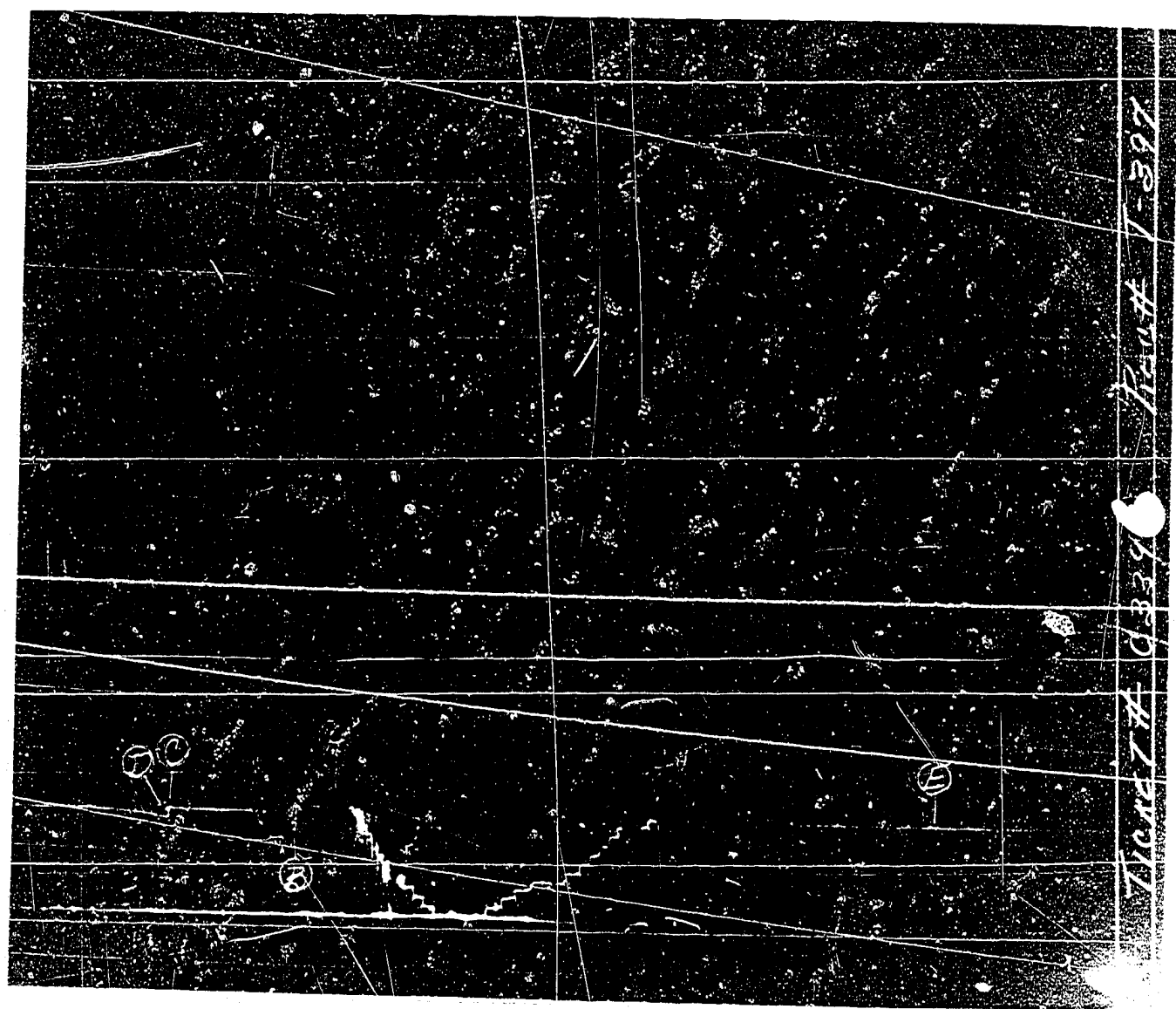
T-397 - Outside Recorder





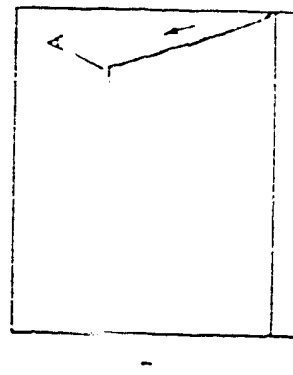
66-1-396
66-1-396
66-1-396



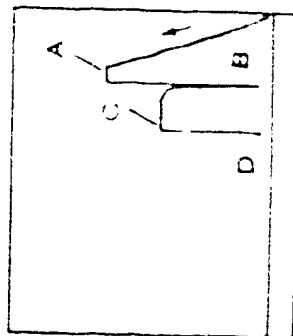


Page 7# 03398 Page # 7397

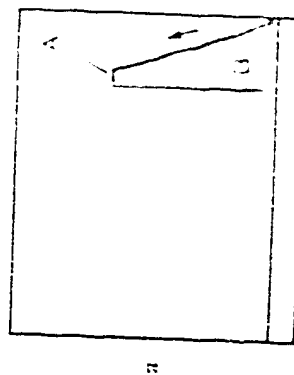
GUIDE TO INTERPRETATION AND IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



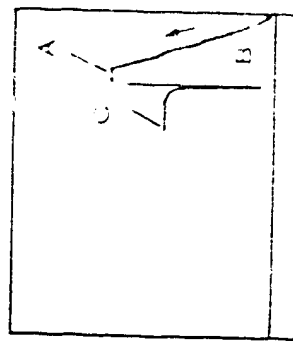
This pressure chart shows the behavior of hydrostatic pressure at the bottom of the well when the tool joint is lowered into the well. The pressure remains constant until the tool joint reaches the hydrostatic head of the mud column, where it rises sharply.



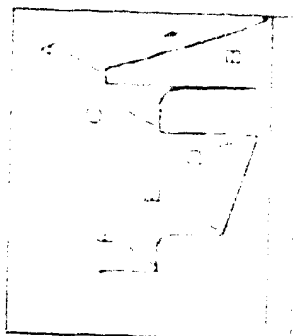
The behavior of the pressure in this chart indicates that the tool joint has reached the hydrostatic head of the mud column and is now being lowered into the well.



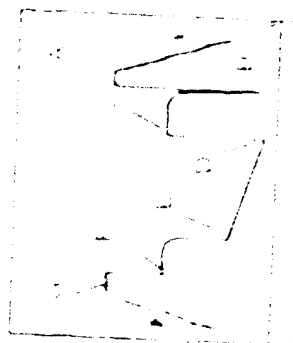
The behavior of the pressure in this chart indicates that the tool joint has reached the hydrostatic head of the mud column and is now being lowered into the well. The pressure drop is due to the loss of hydrostatic pressure.



This chart shows the behavior of the pressure in the well when the tool joint is lowered into the well. The pressure remains constant until the tool joint reaches the hydrostatic head of the mud column, where it rises sharply. The pressure drop is due to the loss of hydrostatic pressure.

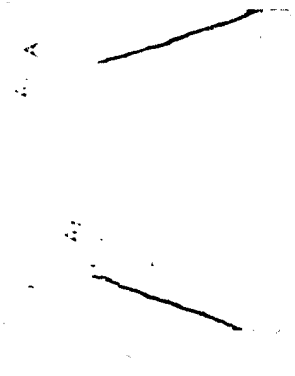


The behavior of the pressure in this chart indicates that the tool joint has reached the hydrostatic head of the mud column and is now being lowered into the well. The pressure drop is due to the loss of hydrostatic pressure.



The behavior of the pressure in this chart indicates that the tool joint has reached the hydrostatic head of the mud column and is now being lowered into the well. The pressure drop is due to the loss of hydrostatic pressure.

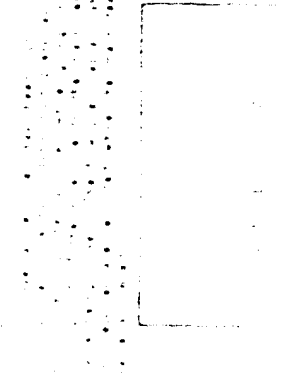
INDEX OF LABELED POINTS	
A	Hydrostatic pressure at the bottom of the well.
B	Pressure drop due to the loss of hydrostatic pressure.
C	Pressure drop due to the loss of hydrostatic pressure.
D	Pressure drop due to the loss of hydrostatic pressure.
E	Pressure drop due to the loss of hydrostatic pressure.
F	Pressure drop due to the loss of hydrostatic pressure.



The behavior of the pressure in this chart indicates that the tool joint has reached the hydrostatic head of the mud column and is now being lowered into the well. The pressure drop is due to the loss of hydrostatic pressure.



The behavior of the pressure in this chart indicates that the tool joint has reached the hydrostatic head of the mud column and is now being lowered into the well. The pressure drop is due to the loss of hydrostatic pressure.



The behavior of the pressure in this chart indicates that the tool joint has reached the hydrostatic head of the mud column and is now being lowered into the well. The pressure drop is due to the loss of hydrostatic pressure.



The behavior of the pressure in this chart indicates that the tool joint has reached the hydrostatic head of the mud column and is now being lowered into the well. The pressure drop is due to the loss of hydrostatic pressure.

JOHNSTON TESTERS

TEST DATA				550 KB 1/2"	
1699	1775	1775			
Type of Test: Open Hole, Bottom Hole					
0800		0954			
5		60			
90		90			
1359		1530			
25,000		32,000			
Description of Blow: Weak Blow, Decreasing to Dead.					
GAS BLOW MEASUREMENTS				TOOL SEQUENCE	
Type of Instrument				D.P. Sub.	.66
				Shut In Tool	6.03
				Hyd. Tool	7.49
				Safety Jr.	1.74
				T.C. & Pkr.	6.15
				T.C. & Pkr.	5.25
				Total	27.32
				Stub	1.30
				Perf.	24.99
				2 Recorders	14.94
				Sub.	.62
				D.P.	31.54
				Perf. & B.N.	2.42
				Total Interval	76.01
FLUID RECOVERY					
Was Test Reverse Circulated Yes No ☒				Total Length 103.33	
Fluid Recovered Total 15'					
Description of Fluid Recovered 15' Drilling Fluid.				MUD AND HOLE DATA	
				Mud Type Gyp.	Wt 8.5
				Filter Cake 2/32 Visc 46	Wt 10.0
				Time Taken 0600 hrs.	
				Contractor Tri-City Drilling	
Remarks Test Satisfactory.				Rig No 4	
				Drill Pipe Size 3 1/2 IF	
				Drill Collar Size 2" ID Length 240'	
				Main Hole Size 6 1/4"	
				Rat Hole Size	
Co. Rep. T. Scheffelmair				Date March 9/65	
District Edmonton				Ticket No C 3397	
Company California Standard Company				Address P.O. Box 2296, Edmonton, Alberta	
Well Name Calstan Big Island G-56				Test No 4	
Number 61°-05'-23"N-116°-40'-00"W				JUL Test No 4	
Formation DST#4 1699-1775				Field Wildcat	
and Interval				Province N. W. T.	
Distribution of Reports				Consultant	
				5 - Edmonton	

JOHNSTON TESTERS

Pressure Data

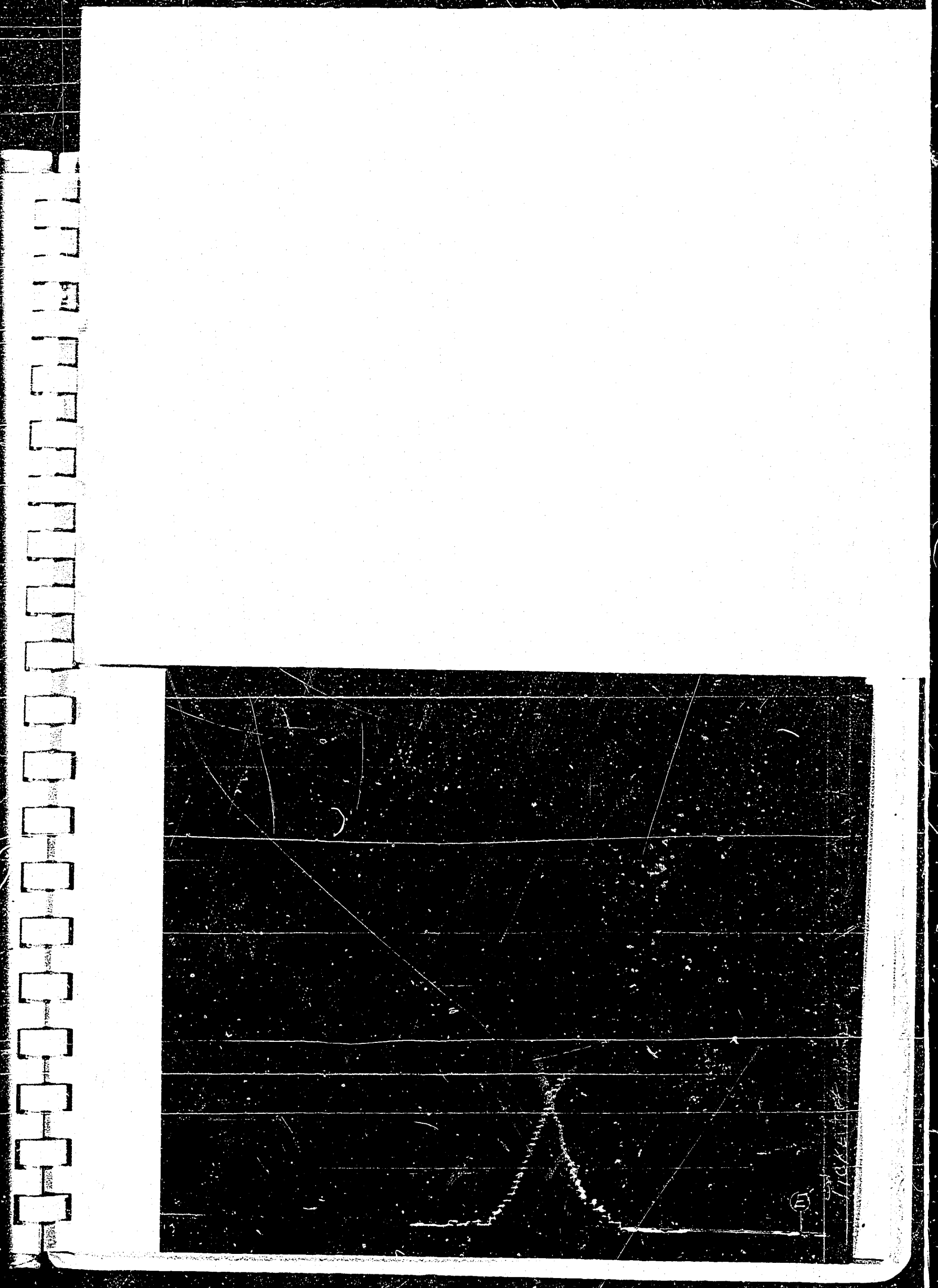
C 3397

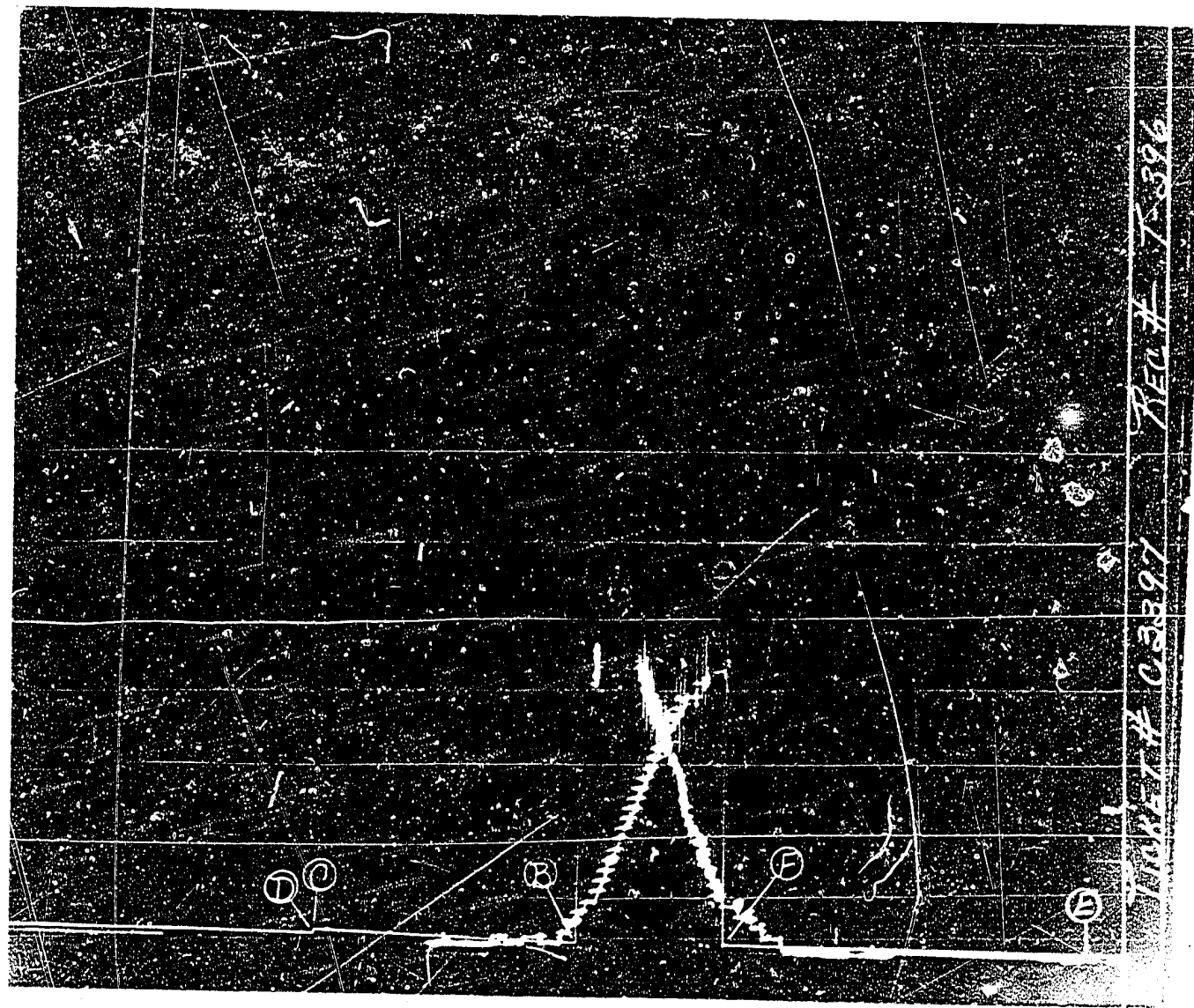
T-396	T-397	826
3000	3000	3000
1720	1725	1730
83°	83°	83°
907#	912#	918#
24#	37#	35#
38#	46#	41#
25#	41#	39#
30#	42#	39#
30#	42#	39#
906#	911#	917#

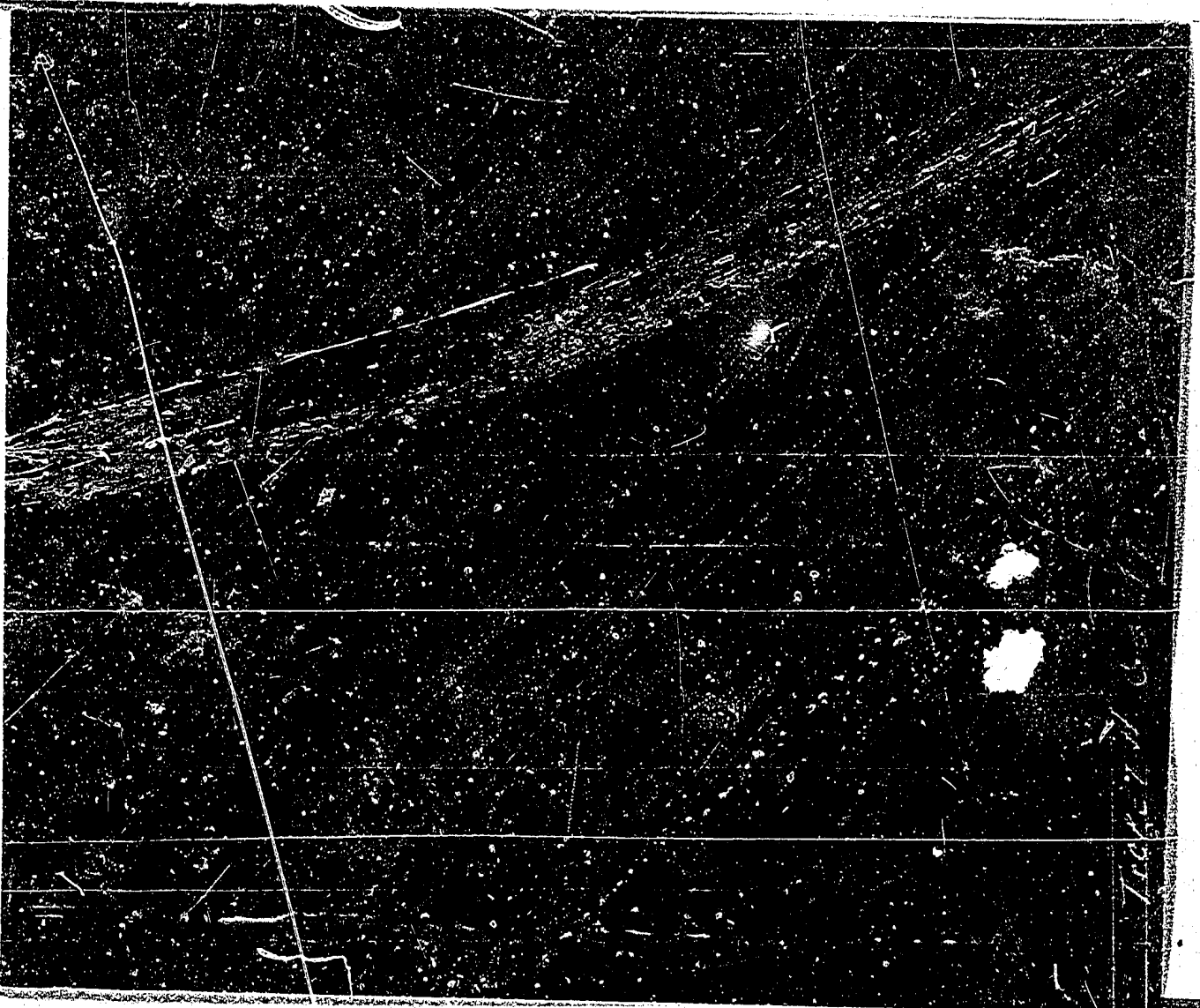
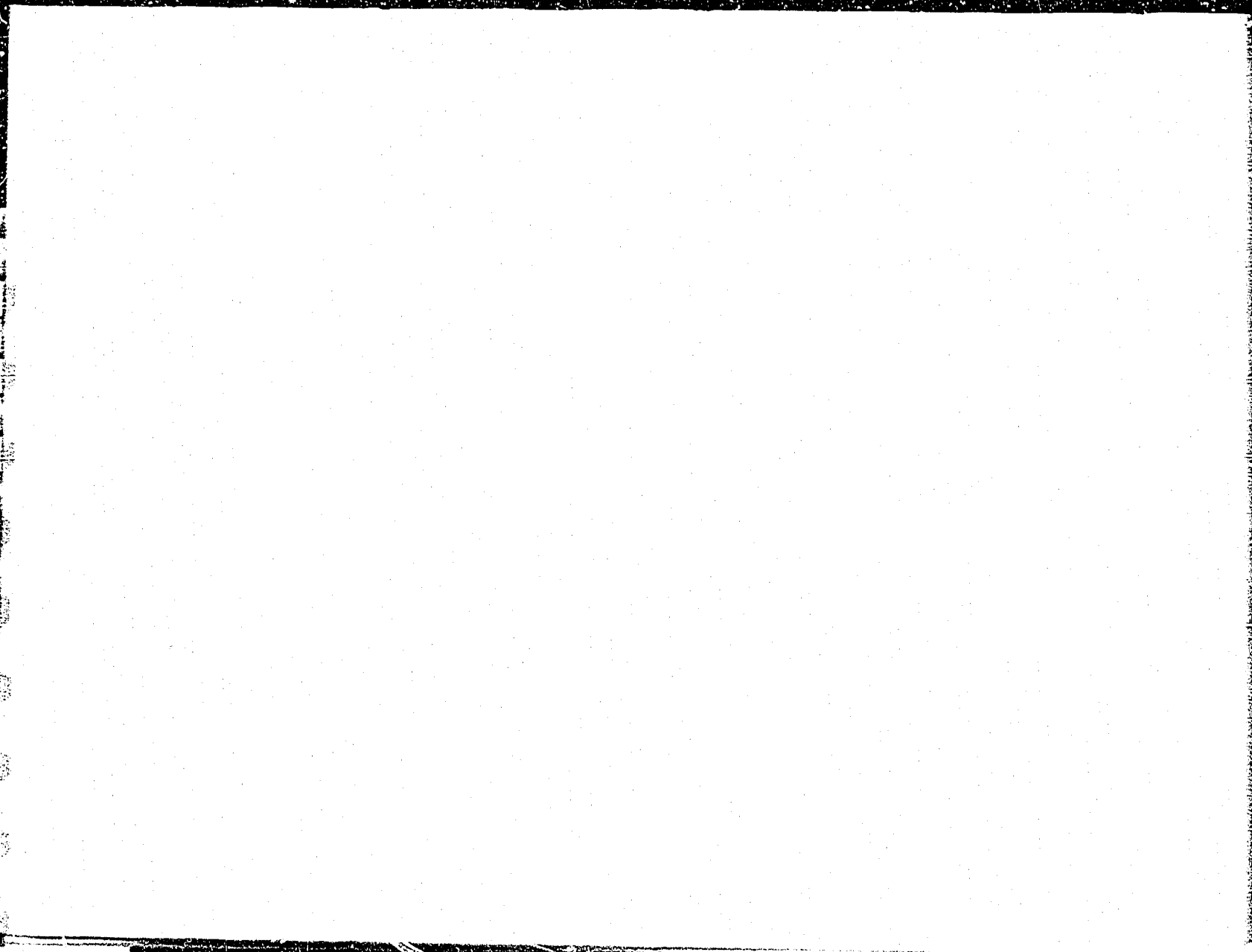
T-396 - Inside Recorder

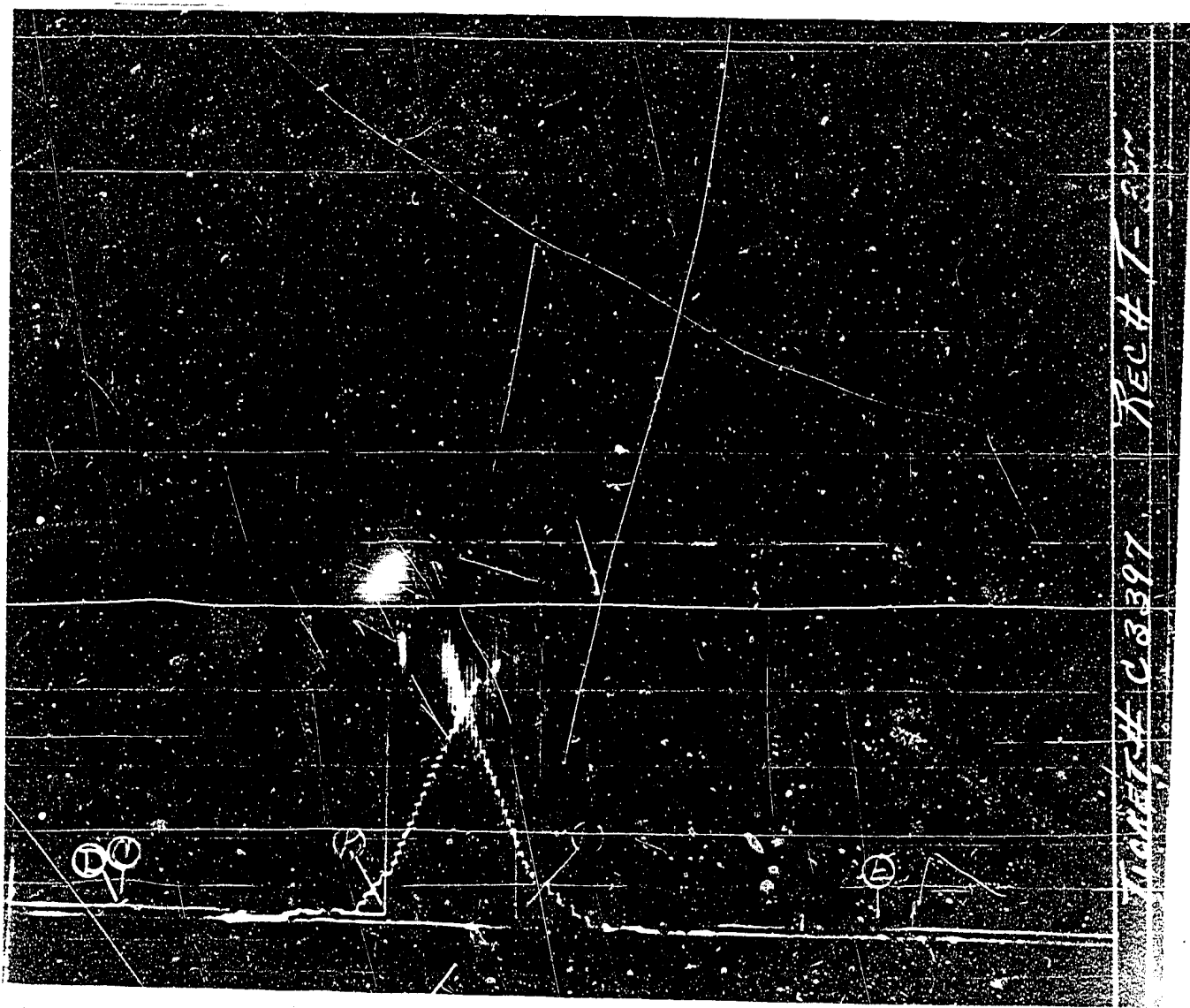
T-397 - Outside Recorder

826 - Outside Recorder



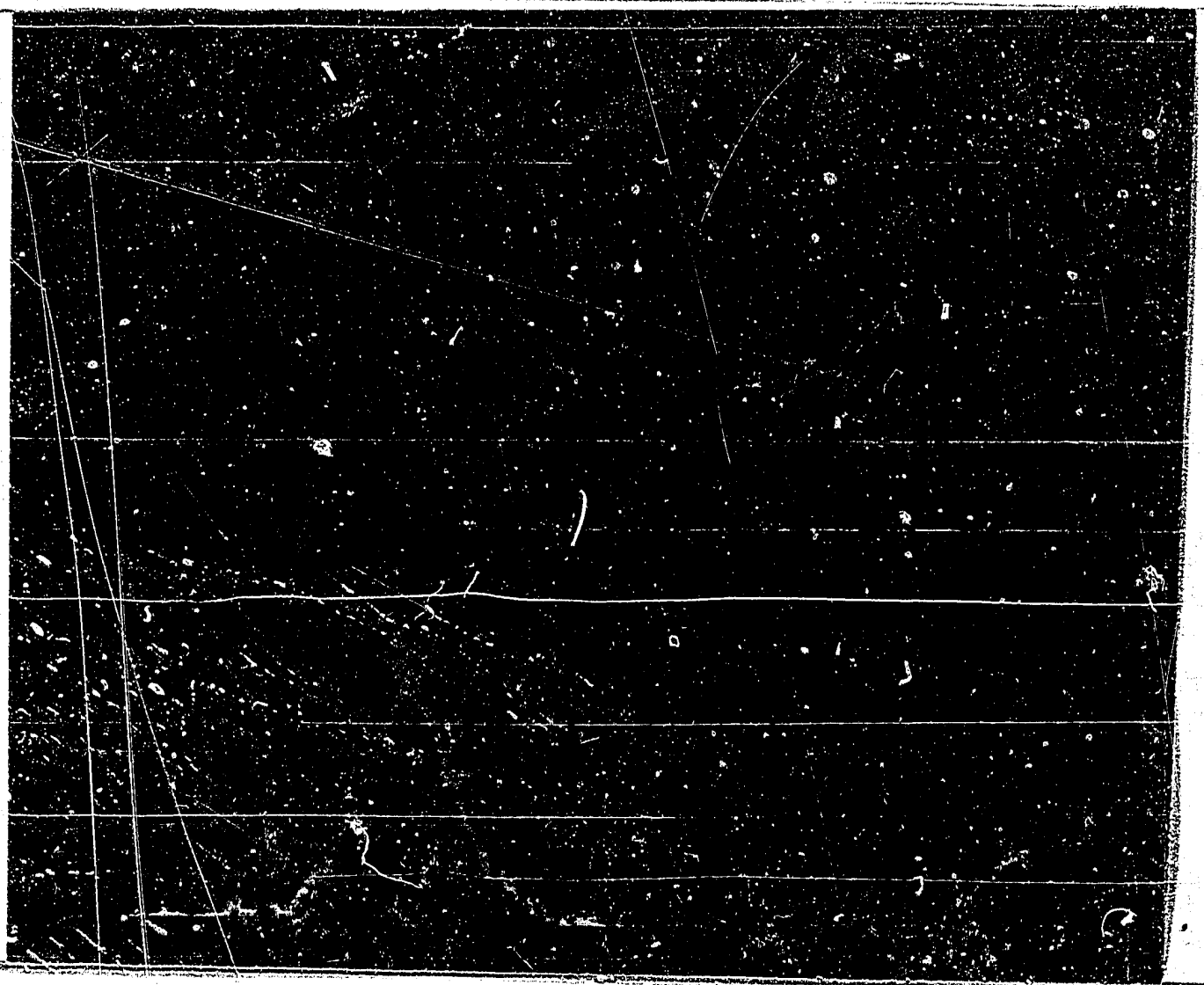
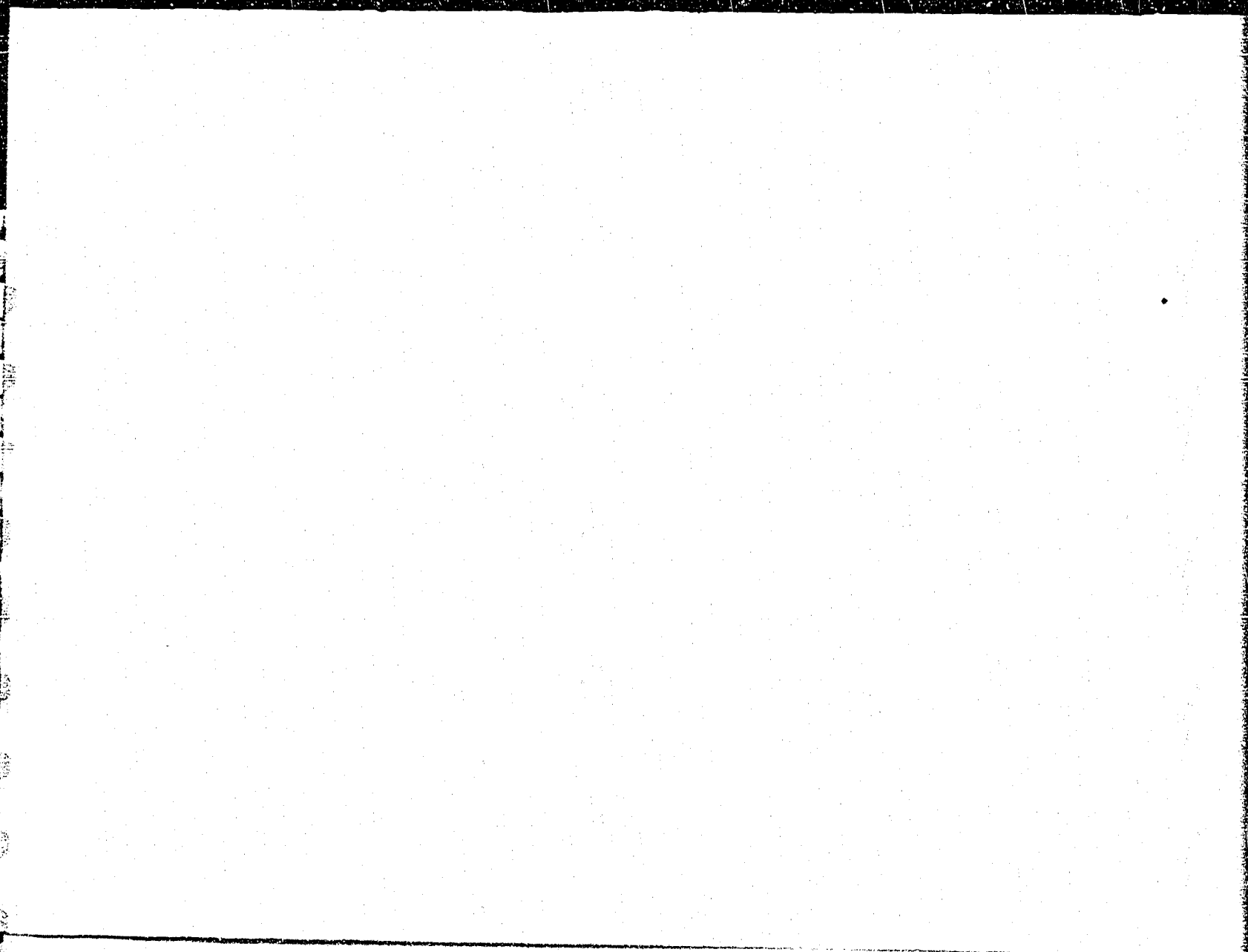


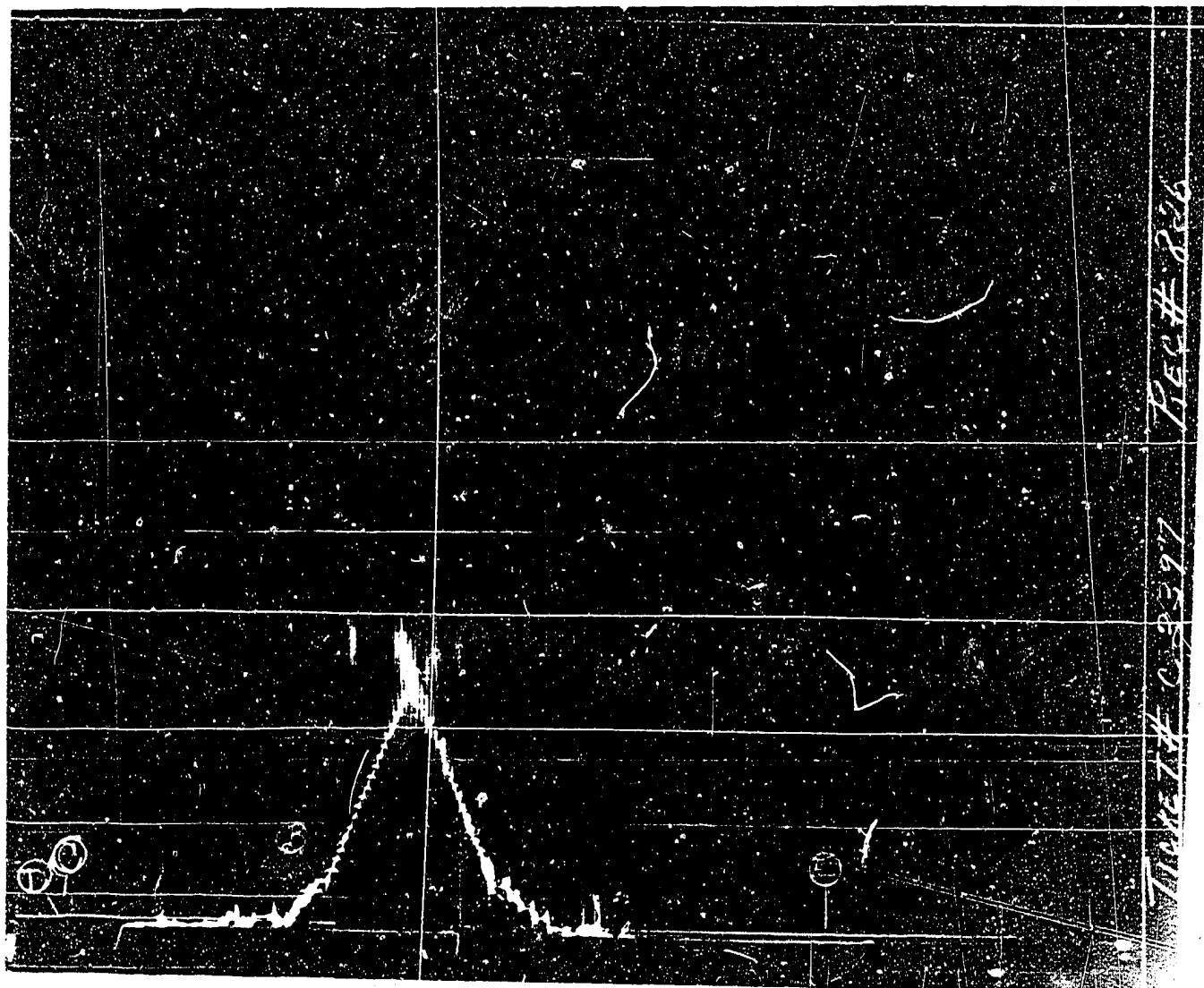




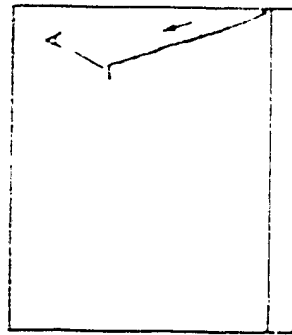
REC # 7-350

03397

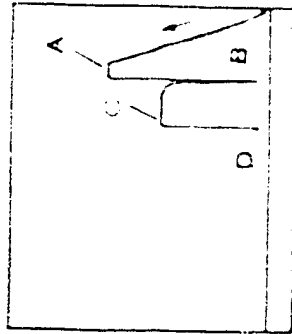




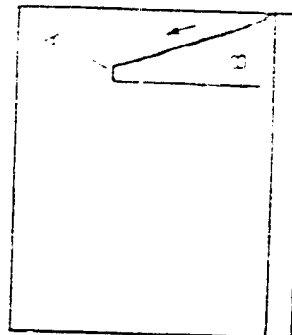
GUIDE TO INTERPRETATION AND IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



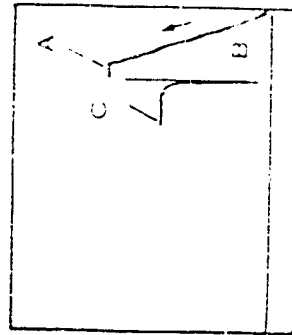
The pressure chart in the left margin of the log is the first of the series of charts which are recorded during the test. It is the first chart to be recorded and it is the first chart to be interpreted.



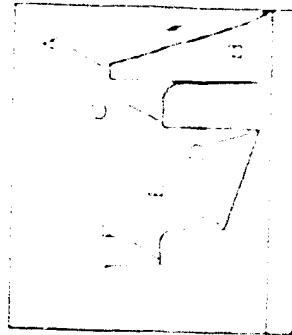
The pressure chart in the left margin of the log is the first of the series of charts which are recorded during the test. It is the first chart to be recorded and it is the first chart to be interpreted.



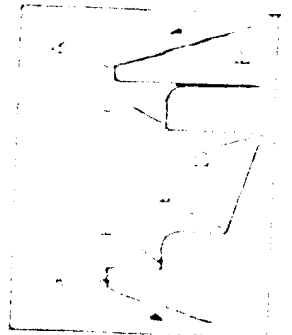
The pressure chart in the left margin of the log is the first of the series of charts which are recorded during the test. It is the first chart to be recorded and it is the first chart to be interpreted.



This chart shows the pressure response of the well to the test. The pressure response is the first of the series of charts which are recorded during the test. It is the first chart to be recorded and it is the first chart to be interpreted.



The pressure chart in the left margin of the log is the first of the series of charts which are recorded during the test. It is the first chart to be recorded and it is the first chart to be interpreted.



The pressure chart in the left margin of the log is the first of the series of charts which are recorded during the test. It is the first chart to be recorded and it is the first chart to be interpreted.

INDEX OF LABELED POINTS

The index of labeled points is a list of the points which are labeled on the pressure charts. The points are labeled with letters A through F. The index is as follows:

- A - The first peak on the pressure chart.
- B - The second peak on the pressure chart.
- C - The first peak on the pressure chart.
- D - The second peak on the pressure chart.
- E - The first peak on the pressure chart.
- F - The second peak on the pressure chart.

APPENDIX "C"

Water Analysis

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

Edmonton

Fort St. John

Calgary

WATER ANALYSIS REPORT: Lab. No. E25133

Received: March 15, 1965 Reported: March 18, 1965

Well: Calistan Big Island G-56

Operator: The California Standard Company

Field or Area: (Wildcat), Northwest Territories Location: 66°05' 23" N. Elev: H.B. 348' Grd. 537'

Zone and Formation Slave Point

Sample Interval: 760' - 770'

Method of Production D.S.T. #2

Well Production or Recovery or Sampling Time:

330' drlg. mud and 300' salt water cut mud.

Sampled from: Drill Pipe - 300' above tool

Sampled by: Operator

Date: March 4, 1965

OTHER PERTINENT DATA Pressures: Reservoir: 325, Tubing: N/A, Casing: N/A,

Separator: N/A. Temperature at point of sampling 10°F.. Open Hole Interval.

Signed: B. Boyce
The California Standard Company

Milligrams Per Liter Parts Per Million

5571 247 125 415 8620 24 760

Milligram Equivalents

242.36 12.33 10.28 8.63 243.08 0.80 12.46

Iron _____

Total Solids in Milligrams Per Liter:

By evaporation 18,080

After ignition 14,310

Calculated 15,376

Physical Properties:

Resistivity 0.448 ohm-meters at 66 F

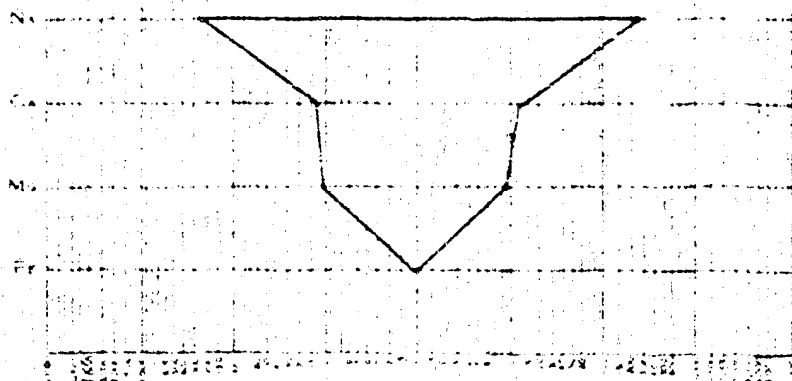
Observed pH 8.5

Specific Gravity 1.012

Remarks and Conclusions: Heavy deposit of organic matter present in total solids. The sample is filtrate water. Refractive Index: 1.3392

LABORATORY OF WATER ANALYSIS

NEW CASTLE



TOUR REPORT

CONTRACTOR TRI CITYFIELD WILDCATPROPERTY CROWNWELL No. 6-56☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☐ ROTARY

FOR 24 HOURS ENDING

11 P.M.

12 M.

MARCH 13 1965CALSTAN 1316 ISLAND B-56

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.
STABILIZER	" O.D.	KIND			FT.	KIND			FT.	KIND			FT.
JARS		KIND			FT.	KIND			FT.	KIND			FT.
BUMPER SUB.		KIND			FT.	KIND			FT.	KIND			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				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.												
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 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		DEVIATION RECORD		
							Kind	Depth	Reading
DRILLER	<u>A. MOORE</u>		<u>H. JANDL</u>						
DERRICKMAN TOOL DRSR.	<u>R. GUNSON</u>		<u>J. JANDL</u>						
HELPER	<u>A. BRUNEAU</u>		<u>A. KUCHARCHUCK</u>						
HELPER	<u>W. RUTTER</u>		<u>D. MCCOY</u>						
HELPER									
FIREMAN	<u>J. POSYCHUCK</u>								
TOOL PUSHER									

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1		12:00	2:00	WOC
		2:00	2:30	RUN IN AND TAG PLUG #2
		2:30	3:30	HOIST TO 262' LAYING DOWN PIPE
		3:30	4:00	RUN PLUG #3
		4:00	4:30	HOIST.
		4:30	8:00	WOC, TEAR OUT REST OF BOP'S
TOUR 2		8:00	11:00	W.O.C.
		11:00	11:15	TAG PLUG #3
		11:15	11:30	HOIST, LAY DOWN PIPE.
		11:30	1:00	RUN 5 SX TOP PLUG AND PUT ON CAP POST.
		1:00	4:00	RIG OUT.
TOUR 3				

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

AFTER 8 HRS WOC TAGGED PLUG NO. 2 AT 693'

CEMENT PLUG #3 (262-162)

RAN 50 SAX CONSTRUCTION CEMENT PLUS
3% CALA. DISPLACED WITH 1661 WATER. C.I.P. 3:45 A.M.
MARCH 13, 1965.AFTER 8 HRS WOC. TAGGED PLUG #3 AT
120'.PUT IN 5 SX TOP PLUG IN CASING. PUT ON STEEL
CAP & SIGNPOST.

RIG RELEASED 1:00 P.M. MARCH 13, 1965

Brian D. Boye
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *Tec City Drilling*FIELD *Wildcat* PROPERTY *Coastal Big Island* WELL No. *6-56*
11 P.M.
12 M. *MARCH 12 1965*☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☐ ROTARY

FOR 24 HOURS ENDING

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.
STABILIZER " O.D.	KIND			FT.	KIND			FT.	KIND			FT.
JARS	KIND			FT.	KIND			FT.	KIND			FT.
BUMPER SUB.	KIND			FT.	KIND			FT.	KIND			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				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.												
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 Bit Footage	Core Recov'y	BIT CONDITION

CUTTER NO.	T/PE	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	DEVIATION RECORD		
DRILLER	<i>R. Moore</i>	<i>H. JANDL</i>	<i>Ed Landa</i>	Kind	Depth	Reading
DERRICKMAN TOOL DRSR.	<i>R. Gunsolley</i>	<i>J. JANDL</i>	<i>Pete Deppel</i>			
HELPER	<i>A. Bruneau</i>	<i>A. Kisharchuk</i>	<i>Wesley Kutter</i>			
HELPER	<i>W. Rutter</i>	<i>D. McCourt</i>	<i>James Thoson</i>			
HELPER						
FIREMAN	<i>J. Ryschuk</i>					
TOOL PUSHER						

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1		12:00 12:15	12:15 8:00	Service rig + check B.O.P.'s Circ. W.O.P.
TOUR 2		8:00 8:15	8:15 4:00	Service rig + check B.O.P.'s WAIT ON ORDERS.
TOUR 3		4:00 4:45 5:00 6:00 6:30 7:00	4:45 5:00 6:00 6:30 7:00 12:00	Circ + WAIT ON ORDERS RUN PLUG #1 PULL UP TO 800' LAYING DOWN PIPE RUN PLUG #2 HOIST OUT OF HOLE W.O.C. TEAR OUT BOP'S FLARE LINE.

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

CEMENT PLUG #1 (1700-1715)RAN 40 SX CONSTRUCTION CEMENT PLUS 3%
CaCl₂. DISPLACED WITH 7.5 bbls MUD. C.I.P. 4:55 P.M. MARCH
12 1965.CEMENT PLUG #2 (800-720)RAN 45 SX CONSTRUCTION CEMENT PLUS 3%
CaCl₂. DISPLACED WITH 2 BBLs WATER. C.I.P. 6:30 P.M.
MARCH 12, 1965.*Brian D. Boyce*
SIGNATURE COMPANY ENGINEER

FIELD Wildcat PROPERTY Galston WELL No. C-56
Big Island
 11 P.M.
 FOR 24 HOURS ENDING 12 M. March 11 1965

Calston
Big Island WELL No. G-56
March 11 1965

FOR 24 HOURS ENDING

[illegible]

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

Gamma sonic tool out of order, waited for new tool to arrive

[illegible]

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
				Kind	Depth	Reading
DRILLER	A. Moore	H. JANDL.	Ed Lander			
DERRICKMAN & TOOL DRSR.	R. Gunsolley	J. JANDL.	Pete Sappalusa			
HELPER	A. Bruner	A. Kuharchuk.	Wayne Butler			
HELPER	D. McCourt	A. BRUNEAU.	John Thorne			
HELPER		IVAN. Therou.				
FIREMAN	J. Hough					
TOOL PUSHER						

Eric D. Boyer
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *Tri-City Drilling*FIELD *Wildcat* PROPERTY *Calston Big Island* WELL No. *C-56*
11 P.M.
12 M. *March 13* 1965☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☒ ROTARY

FOR 24 HOURS ENDING

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS " D.P.	NO. 24 148001 FT.	NO. 24 148001 FT.	NO. 24 148001 FT.
" D.P.	NO.	NO.	NO.
DOUBLE " D.P.			
SINGLE " O.D.	1 3084 FT.	1 3084 FT.	1 3084 FT.
" O.D.			
DRILL COLLAR " 4 3/4 O.D.	NO. 8 24036 FT.	NO. 8 24036 FT.	NO. 8 24036 FT.
REAMER " O.D.	KIND	KIND	KIND
STABILIZER " O.D.	KIND	KIND	KIND
JAW	KIND	KIND	KIND
BUMPER SUB.	KIND	KIND	KIND
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS	175121 FT.	175121 FT.	175121 FT.
KELLY DOWN (BELOW R.B.)	2379 FT.	2379 FT.	2379 FT.
DEPTH OF TOOLS	177500 FT.	177500 FT.	177500 FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR		1775 FEET	1725 FEET
DEPTH START OF TOUR		1775 FEET	1725 FEET
FOOTAGE DRILLED		00 FEET	00 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.
PUMP PRESSURE p.s.i.	450	500	500	500	450	450	450	450	450	450	450	450
ROTARY SPEED r.p.m.	-	-	-	-	-	-	-	-	-	-	-	-
WEIGHT ON BIT Tons	-	-	-	-	-	-	-	-	-	-	-	-
p.H.	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
MUD WEIGHT #/gal.	10	10	10	10	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
MUD VISCOSITY Sec.	48	48	48	48	47	47	46	46	46	46	46	46
MUD CAKE 32nds					1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
WATER LOSS c.c.	32 85	-	32 85	-	32 85	32 85	32 85	32 85	32 85	32 85	32 85	32 85
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recovery	BIT CONDITION
	6 1/4		H.W. OSC-16.						

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

				DEVIATION RECORD		
SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	Kind	Depth	Remarks
DRILLER	A. Moore	H. JANDL.	Ed Lamb			
DERRICKMAN TOOL DRSR.	R. Gunsolley	J. JANDL.	Pete Duppel			
HELPER	A. Bruneau	A. Kuharchuk.	Wayne Butler			
HELPER	D. McCourt		James Thorne			
HELPER						
FIREMAN	J. Rouplak.					
TOOL PUSHER	H. E. P... ..					

MUD and CHEMICALS ADDED	From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount		
TOUR 1	12:00	12:15	Serv rig + check B.O.P's
	12:15	2:00	Circ. wait on Schlumberger
TOUR 2	8:00	8:15	SERVICE RIG + check B.O.P's.
	8:15	4:00	Circ. - WAIT FOR Schlumberger.
TOUR 3	4:00	4:15	Rig SERV + CHECK B.O.P.
	4:15	9:30	Circ. - WAIT ON SCHLUMBERGER.
	9:30	10:15	Hoist TO Logg
	10:15	12:00	Rig TO & Logg

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

Erin J. Boree
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *Tri-City Drilling*FIELD *Wildcat*PROPERTY *Big Island* WELL No. *C-56*

11 P.M.

12 M. *March 9* 1965☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☒ ROTARY

FOR 24 HOURS ENDING

DRILLING ASSEMBLY	END OF MORNING TOUR							END OF DAYLIGHT TOUR							END OF AFTERNOON TOUR																		
STANDS " 3 D.P.	NO. 24	1	4	8	0	0	1	FT.	NO. 24	1	4	8	0	0	1	FT.	NO. 24	1	4	8	0	0	1	FT.									
" " D.P.	NO.							FT.	NO.							FT.	NO.						FT.										
DOUBLE " D.P.								FT.								FT.							FT.										
SINGLE " 2 O.D.	1				3	0	8	4	FT.	1				3	0	8	4	FT.	1				3	0	8	4	FT.						
" " O.D.								FT.								FT.										FT.							
DRILL COLLAR " 4 3/4 O.D.	NO. 8				2	4	0	3	6	FT.	NO. 8				2	4	0	3	6	FT.	NO. 8				2	4	0	3	6	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							FT.	KIND							FT.	KIND										FT.						
BIT OR CORE BARREL								FT.								FT.										FT.							
TOTAL D.P. & TOOLS					1	7	5	1	2	1	FT.					1	7	5	1	2	1	FT.					1	7	5	1	2	1	FT.
KELLY DOWN (BELOW R.B.)								2	3	7	9	FT.															2	3	7	9	FT.		
DEPTH OF TOOLS								1	7	7	5	0	0	FT.													1	7	7	5	0	0	FT.
TOUR	MORNING TOUR							DAYLIGHT TOUR							AFTERNOON TOUR																		
DEPTH END OF TOUR					1	7	7	5	FEET					1	7	7	5	FEET					1	7	7	5	FEET						
DEPTH START OF TOUR					1	7	5	8	FEET					1	7	7	5	FEET					1	7	7	5	FEET						
FOOTAGE DRILLED					1	7			FEET					0	0			FEET					0	0	0						FEET		

DAY WORK	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.	650	650	650	T					450	450	450	450
ROTARY SPEED r.p.m.	120	120	120		Test							
WEIGHT ON BIT Tons	11	11	11									
p.h.	10.5	10.5	10.5	1					10.5	10.5	10.5	10.5
MUD WEIGHT #/gal.	10	10	10	p					10	10	10	10
MUD VISCOSITY Sec.	47	46	46						48	48	48	48
MUD CAKE 32nds									8.6			
WATER LOSS c.c.	32	8.5	8.5									
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	6 1/4	35379	H.W. WZR-2	104	1744	1775	31		3-3-1
		75379							

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	DEVIATION RECORD		
DRILLER	A. Moore	H. JANDL	Ed. Lamb	Kind	Depth	Reading
DERRICKMAN	R. Gunsolley	J. JANDL	Peter Dappeler	5.5	1775	1/4
TOOL DRSR.						
HELPER	A. Bruneau	A. Kuharchuk	Wayne Kuttler			
HELPER	D. McCourt	R. Guttererson	Jim. Zharn			
HELPER						
FIREMAN	J. J. Hargrave					
TOOL PUSHER	J. B. Powell					

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1		12:00	12:15	Serv. rig & check B.O.P.'s
		12:15	6:15	Drill 6 1/4 hole
		6:15	7:00	circ.
		7:00	7:45	Double measure out for test
		7:45	8:00	Picking up testing tool
				Double measure out tally 1782.49
				Board tally 1782.01
				D.I.F.E. .48
TOUR 2		8:00	9:00	Pickup + MAKE up Test Tool.
		9:00	9:30	RUN IN Hole.
		9:30	2:00	Rig up To + Test.
		2:00		Pull out. Break down Test Tool & Lay down same
		3:30	4:00	RUN IN with Bit.
		4:00	4:15	FINISH RUN IN
TOUR 3		4:15	4:30	Rig SEAM + CHECK B.O.P.
		4:30	4:45	SURVEY
		4:45	12:00	Circ & WAIT ON SCHLUMBERGER.

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

D.S.T. #4 (1699-1775)
Ran Johnston Testers Ltd testing tool in full open 6 1/4" hole on 3 1/2" I.F. 13.3" dry drill pipe to test the GRANITE WASH FORMATION. Tool was equipped with 1/2" choke, 2-5/8" packers, safety joint and pump out sub 240' above tool on top of collars.
Two recorders / 1-AKI 31nd recorder were run with tester. 26.01' of tailpipe with 27' of perforations were run below packers. Overall length of tool was 73.62'. Valve open at 9:55 a.m. for 5 min., initial shut in 60 minutes, valve open at 11:02 a.m. for 90 min., and a final shut in recorded for 90 min.
Faint air blow on opening valve, died after 1 minute.
Initial shut in pressure 35 psi.
Flow pressure 20-20 psi.
Final shut in pressure 20 psi. incomplete in 90 min.
Max. hydrostatic head 880 psi.
Bottom hole temperature 83°F.

Brian A. Boyer
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *Tri-City Drilling*FIELD *Wildcat* PROPERTY *Galston* WELL No. *G-56*

11 P.M.

FOR 24 HOURS ENDING 12 M. *March 8* 19*65*☒ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☒ ROTARY

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS " D.P.	NO. <i>23</i> 1 4 1 8 4 4 FT.	NO. <i>24</i> 1 4 8 0 0 1 FT.	NO. <i>24</i> 1 5 2 0 0 0 FT.
" " D.P.	NO.	NO.	NO.
DOUBLE " D.P.	FT.	FT.	FT.
SINGLE " O.D.	FT.	FT.	FT.
" " O.D.	FT.	FT.	FT.
DRILL COLLAR " <i>4 3/4</i> O.D.	NO. <i>8</i> 2 4 0 3 6 FT.	NO. <i>8</i> 2 4 0 3 6 FT.	NO. <i>8</i> 2 4 0 3 6 FT.
REAMER " O.D.	KIND	KIND	KIND
STABILIZER " O.D.	KIND	KIND	KIND
JARS	KIND	KIND	KIND
BUMPER SUB.	FT.	FT.	FT.
BIT OR CORE BARREL	FT.	FT.	FT.
TOT. D.P. & TOOLS	1 6 5 3 8 0 FT.	1 7 2 0 3 7 FT.	1 7 8 7 0 1 FT.
KELLY DOWN (BELOW R.B.)	6 2 0 FT.	9 6 3 FT.	6 8 0 FT.
DEPTH OF TOOLS	1 6 6 5 0 0 FT.	1 7 3 0 0 0 FT.	1 7 5 8 0 0 FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	1 6 6 5 FEET	1 7 3 0 FEET	1 7 5 8 FEET
DEPTH START OF TOUR	1 6 2 1 FEET	1 6 6 5 FEET	1 7 3 0 FEET
FOOTAGE DRILLED	9 4 FEET	6 5 FEET	2 8 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.
PUMP PRESSURE p.s.i.	700	700	700	700	650	650	650	650	650	650	650	650
ROTARY SPEED r.p.m.	120	120	120	120	120	120	120	120	120	120	120	120
WEIGHT ON BIT Tons	10	10	10	10	11	11	11	11	20m	20m	20m	20m
D.H.	10	10	10.5	10.5	10.5	10.5	10.5	10.5	10	10	10	10
MUD WEIGHT #/gal.	9.7	9.7	9.7	9.7	9.8	9.8	9.9	9.9	10	10	10	10
MUD VISCOSITY Sec.	51	51	50	49	50	53	50	57	48	48	51	51
MUD CAKE 32nds	32	2	-	32	7	32	7	32	7	32	7	32
WATER LOSS c.c.	2	-	32	7	32	7	32	7	32	7	32	7
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recovery	BIT CONDITION
7	6 1/4	35336	H.W. OWC	15	1509	1622	113		2-3-1
8	6 3/4	35329	H.W. OWC	15	1622	1744	122		3-3-1
9	6 1/4	35379	ON BOX? WTR. 2	4 1/4	1744	1758	14		
		75379	ON BIT						

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	DEVIATION RECORD
DRILLER	<i>A. Moore</i>	<i>H. JANDL</i>	<i>Ed. Lamb</i>	Kind Depth Reading
DERRICKMAN TOOL DRSR.	<i>R. Gunsolley</i>	<i>J. JANDL</i>	<i>Pete Duggan</i>	S.S. 1663 0°
HELPER	<i>A. Bruneau</i>	<i>A. Kuharchuk</i>	<i>Wayne Butler</i>	
HELPER	<i>D. McCourt</i>	<i>R. Guttererson</i>	<i>Irvin Thron</i>	
HELPER				
FIREMAN	<i>J. P. Ryschuk</i>			
TOOL PUSHER	<i>G. E. Ryschuk</i>			

MUD and CHEMICALS ADDED	From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
TOUR 1			
Caustic 75#	12:00	12:15	Drill 6 1/4 hole
	12:15	12:30	SERV. RIG
	12:30	1:30	Trip for bit
	1:30	2:30	Drill 6 1/4 hole
	2:30	2:45	SURVEY
	2:45	8:00	Drill 6 1/4 hole
TOUR 2			
Gel. 1500#	8:00	8:15	SERVICE RIG + check B.O.P.
Spence 350#	8:15	3:15	DRILL 6 1/4 Hole.
	3:15	3:30	WORK ON PUMP.
	3:30	4:00	DRILL 6 1/4 Hole.
TOUR 3			
Caustic 100#	4:00	4:15	Rig SERV + check B.O.P.
	4:15	5:00	CIR SAMPLE
	5:00	5:30	CIRC + WAIT ON ORDERS
	5:30	6:15	DRLG
	6:15	6:30	CIRC SAMPLE
	6:30	7:45	TRIP FOR BIT.
	7:45	12:00	DRLG

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

Bruce D. Boyce
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR

Tri-City Drilling

FIELD *Wildcat*

PROPERTY

*Big Island*WELL No. *C-56*☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☒ ROTARY

FOR 24 HOURS ENDING

11 P.M.

12 M.

March 7

1965

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS " D.P.	NO. 20 1 2 3 3 2 5 FT.	NO. 21 1 2 9 4 8 8 FT.	NO. 22 1 3 5 6 2 8 FT.
" D.P.	NO.	NO.	NO.
DOUBLE " D.P.			
SINGLE " O.D.			
" O.D.			
DRILL COLLAR " 4 3/4 O.D.	NO. 8 2 4 0 3 6 FT.	NO. 8 2 4 0 3 6 FT.	NO. 8 2 4 0 3 6 FT.
REAMER " O.D.	KIND	KIND	KIND
STABILIZER " O.D.	KIND	KIND	KIND
JARS	KIND	KIND	KIND
BUMPER SUB.			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS	1 4 7 3 6 1 FT.	1 5 3 5 2 4 FT.	1 6 3 2 4 4 FT.
KELLY DOWN (BELOW R.B.)	3 5 8 0 FT.	3 0 7 6 FT.	2 4 8 0 FT.
DEPTH OF TOOLS	1 5 0 9 4 1 FT.	1 5 6 6 0 0 FT.	1 6 2 1 0 9 FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	1 5 0 9 FEET	1 5 6 6 FEET	1 6 2 1 FEET
DEPTH START OF TOUR	1 4 6 3 FEET	1 5 0 9 FEET	1 5 6 6 FEET
FOOTAGE DRILLED	4 6 FEET	5 7 FEET	5 5 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.
PUMP PRESSURE p.s.i.	200	200	200	T	700	700	700	700	700	700	900	700
ROTARY SPEED r.p.m.	120	120	120		120	120	120	120	120	120	120	120
WEIGHT ON BIT Tons	10	10	10	F	10	10	10	10	10	10	10	10
p.H.	10.5	10	10	1	9	10	10	10	10	10	10	10
MUD WEIGHT #/gal.	9.7	9.7	9.6	P	9.4	9.6	9.6	9.7	9.7	9.7	9.8	9.8
MUD VISCOSITY Sec.	48	49	52		54	45	47	46	46	46	47	47
MUD CAKE 32nds	32	6	6	73/65			73/8	85	8.5	7	7	7
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 Recovery	BIT CONDITION
5	6 1/4	44331	H.W. OSC	15 1/2	1366	1509	143		2-3-1
7	6 1/4	35336	H.W. OWC	14 3/4	1509	1621	112		1N

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	DEVIATION RECORD
DRILLER	A. Moore	H. JANDL	Ed Lamb	Kind Depth Reading
DERRICKMAN	R. Gunsolley	J. JANDL	Pete Deppe	
TOOL DRSR.				
HELPER	A. Bruneau	A. Kuharchuk	Carrie Rytter	
HELPER	D. McCourt	R. Gutterson	John Zierow	
HELPER				
FIREMAN	J. Ryzchuk			
TOOL PULLER	J. E. Powell			

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1		12:00	12:15	Serv. rig + check B.O.P.'s
		12:15	1:30	Drig. 6 1/4 hole
		1:30	1:45	Survey
		1:45	6:45	Drig. 6 1/4 hole
		6:45	7:00	Circ sample
		7:00	8:00	Trip for bit
TOUR 2		8:00	8:15	SERVICE RIG + check B.O.P.
Beh.	1700#	8:15	2:30	DRILL 6 1/4 Hole.
Spersene	250#	2:30	3:15	WORK ON PUMP.
Caustic	75#	3:15	4:00	DRILL 6 1/4 Hole.
TOUR 3				
Spersene	100#	4:00	4:15	Rig SARA & CHECK BOP
Caustic	35#	4:15	12:00	DALG

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

Brian D. Boyce
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *Tri-City Drilling**Calston*FIELD *W. Idcat* PROPERTY *Big Island* WELL No. *G-56*

11 P.M.

12 M.

March 6 1965☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☒ ROTARY

FOR 24 HOURS ENDING

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS "3 1/2" D.P.	NO. 12 1 04 8 9 8 FT.	NO. 18 1 11 1 02 1 FT.	NO. 19 1 12 0 27 2 FT.
"3 1/2" D.P.	NO. 1 3 1 1 3 FT.	NO. 1 3 1 3 6 FT.	NO. 1 3 1 3 6 FT.
DOUBLE " D.P.	FT.	FT.	FT.
SINGLE " O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR "4 3/4" O.D.	NO. 8 2 4 0 3 6 FT.	NO. 8 2 4 0 3 6 FT.	NO. 8 2 4 0 3 6 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 FT.	KIND FT.	KIND FT.
BIT OR CORE BARREL	FT.	FT.	FT.
TOTAL D.P. & TOOLS	1 3 2 0 4 2 FT.	1 3 8 1 9 3 FT.	1 4 7 8 8 8 FT.
KELLY DOWN (BELOW R.B.)	9 5 3 FT.	5 0 7 FT.	FT.
DEPTH OF TOOLS	1 3 3 0 0 0 FT.	1 3 8 7 0 0 FT.	FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	1 3 3 0 FEET	1 3 8 7 FEET	1 4 7 8 8 FEET
DEPTH START OF TOUR	1 2 4 2 FEET	1 3 3 0 FEET	1 3 8 7 0 FEET
FOOTAGE DRILLED	8 3 FEET	5 7 FEET	7 6 6 0 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.
PUMP PRESSURE p.s.i.	600	600	650	650	600	600	600	700	700	700	700	700
ROTARY SPEED r.p.m.	120	120	120	120	120	120	120	120	120	120	120	120
WEIGHT ON BIT Tons	10	10	10	10	10	10	10	10	10	10	10	10
W.H.	10.5	10.5	10.5	10.5	10.5	10.5	11	10.5	11	11	11	11
MUD WEIGHT #/gal.	9.4	9.3	9.2	9.2	9.4	9.4	9.4	9.4	9.5	9.6	9.6	9.6
MUD VISCOSITY Sec.	41	41	48	54	44	44	46	47	47	47	47	46
MUD CAKE 32nds	-	-	-	2.65	2.65	2.65	2.65	2.65	6	6	6	6
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
5	6 1/4	42259	H.W. ONV	14 1/2	1214	1366	152		Good.
6	6 1/4	44331	H.W. OSC	9 1/4	1366	1463	97		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	DEVIATION RECORD
DRILLER	<i>A. Moore</i>	<i>H. JANDL</i>	<i>Ed Lamb</i>	Kind Depth Reading
DERRICKMAN	<i>B. Gunsolley</i>	<i>J. JANDL</i>	<i>Pete Haggard</i>	S.S. 1263' 3 1/2"
TOOL DRSR.				
HELPER	<i>A. Brunson</i>	<i>A. Kuharchuk</i>	<i>Wayne Rutter</i>	
HELPER	<i>D. McCourt</i>	<i>R. GUTTERSON</i>	<i>Dean Tharow</i>	
HELPER				
FIREMAN	<i>J. Rozychuk</i>			
TOOL PUSHER				

MUD and CHEMICALS ADDED	From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
TOUR 1			
Spensene	12:00	12:15	Serv. rig & check B.O.P.
Plaster	12:15	1:15	Drill 6 1/4 hole
Caustic	1:15	1:30	Survey
Tannathin	1:30		Drill 6 1/4 hole; dump shakentank
C.M.C.		8:00	& change over to a dispersed exp. mud.
TOUR 2			
	8:00	8:15	SERVICE RIG & CHECK B.O.P.
	8:15	12:45	DRILL 6 1/4 Hole.
	12:45	2:00	TRIP FOR BIT & SLIP DRILL LINE.
	2:00	3:45	DRILL 6 1/4 Hole.
	3:45	4:00	WORK ON PUMP.
TOUR 3			
CAUSTIC	4:00	4:15	RIG SERV & CHECK B.O.P.
	4:15	9:45	DRILL 6 1/4" HOLE
	9:45	10:00	CIRC SAMPLE
	10:00	12:00	DRILL

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

Ben D. Haggard
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *Tri-City Drilling*FIELD *Wildcat* PROPERTY *Calston Big Island* WELL No. *6-56*
11 P.M. *March 5* 19*65*☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☒ ROTARY

FOR 24 HOURS ENDING

DRILLING ASSEMBLY			END OF MORNING TOUR					END OF DAYLIGHT TOUR					END OF AFTERNOON TOUR																
STANDS	"	D.P.	NO. 14		8	6	3	6	8	FT.	NO. 15		9	2	5	6	0	FT.	NO. 16		9	8	7	1	2	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	" 4 3/4	O.D.	NO. 8		2	4	0	3	6	FT.	NO. 8		2	4	0	3	6	FT.	NO. 8		2	4	0	3	6	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							FT.	KIND							FT.	KIND						FT.				
BIT OR CORE BARREL										FT.								FT.							FT.				
TOTAL D.P. & TOOLS					1	1	0	4	2	4	FT.			1	1	6	5	9	6			1	2	6	3	2	8	FT.	
KELLY DOWN (BELOW R.B.)						2	7	8	6	FT.					1	2	0	4	FT.				1	9	8	0	FT.		
DEPTH OF TOOLS					1	1	3	2	0	0	FT.			1	1	7	8	0	0	FT.			1	2	4	7	0	0	FT.
TOUR			MORNING TOUR					DAYLIGHT TOUR					AFTERNOON TOUR																
DEPTH END OF TOUR					1	1	3	2		FEET			1	1	7	8		FEET			1	2	4	7	0	0		FEET	
DEPTH START OF TOUR					1	0	4	8		FEET			1	1	3	2		FEET			1	1	7	8	0	0		FEET	
FOOTAGE DRILLED						8	4			FEET				4	6			FEET				6	9	0	0		FEET		

DAY WORK	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.	200	650	650	650	650	650	600	600	600	650	600	600
ROTARY SPEED r.p.m.	120	120	120	120	120	120	120	120	120	120	120	120
WEIGHT ON BIT Tons	9	9	10	10	10	10	10	10	10	10	10	10
p.H.	10.5	10	10	10	9.5	10	10.5	10.5	10.5	10.5	10.5	10.5
MUD WEIGHT #/gal.	9.2	9.2	9.2	9.3	9.3	9.2	9.3	9.3	9.3	9.3	9.3	9.3
MUD VISCOSITY Sec.	57	56	58	58	56	46	47	47	47	47	45	45
MUD CAKE 32nds	32	11	-	32	11	105	105	105	11	11	-	-
WATER LOSS c.c.	32	11	-	32	11	105	105	105	11	11	-	-
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	6 1/4	44333	H.W. ose	17 1/4	1048	1214	166		2-4-0
5	6 1/4	42259	H.W. owv	2 1/2	1214	1247	33		1N

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			DEVIATION RECORD		
	DRILLER	DERRICKMAN	TOOL DRSR.	DRILLER	DERRICKMAN	TOOL DRSR.	DRILLER	DERRICKMAN	TOOL DRSR.	Kind	Depth	Reading
	A. Moore	R. Gunsolley		H. JANDL	J. JANDL		Ed Lamb	Pete Decker		SS.	1028	1°
	A. Bruneau			A. KUHARCHUK			Wayne Kuttler					
	D. McCourt			R. GUTTERSON			John Zieser					
	J. Ruzichuk											
	G. Canoll											

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL
Kind	Amount			WORK DONE
TOUR 1		12:00	12:15	Serv. rig
		12:15	12:45	Ran in w/ BIT
		12:45	2:45	Drilling 6 1/4 hole
		2:45	2:00	SURVEY
		3:00	8:00	Drill 6 1/4 hole
TOUR 2		8:00	8:15	SERVICE RIG + check B.O. Ps.
		8:15	2:30	DRILL 6 1/4 Hole.
Enl	1300#	2:30	3:15	WORK ON PUMP.
Caustic	100#	3:15	4:00	DRILL 6 1/4 Hole.
Tannathin	100#			
TOUR 3		4:00	4:15	Rig SERV + CHECK B.O.P.
		4:15	7:30	DALG
		7:30	8:30	TRIP
		8:30	9:30	REAR 60' UNDER GAUGE HOLE
		9:30	12:00	DALG

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

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *Tri-City Drilling*FIELD *Wildcat* PROPERTY *Colston Big Island* WELL No. *G-56*

11 P.M.

12 M. *March 4* 1965
☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☒ ROTARY

FOR 24 HOURS ENDING

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS " D.P.	NO. 10 61895 FT.	NO. 68081 FT.	NO. 12
" D.P.	NO.	NO.	NO.
DOUBLE " D.P.			
SINGLE " O.D.		3150 FT.	1
" O.D.			
DRILL COLLAR "4 3/4 O.D.	NO. 8 24036 FT.	NO. 8 24036 FT.	NO. 8 24036 FT.
REAMER " O.D.	KIND	KIND	KIND
STABILIZER " O.D.	KIND	KIND	KIND
JARS	KIND	KIND	KIND
BUMPER SUB.			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS	85931 FT.	95267 FT.	104824 FT.
KELLY DOWN (BELOW R.B.)	1869 FT.	733 FT.	3580 FT.
DEPTH OF TOOLS	87800 FT.	96000 FT.	104824 FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	378 FEET	960 FEET	104824 FEET
DEPTH START OF TOUR	814 FEET	960 FEET	96000 FEET
FOOTAGE DRILLED	64 FEET	64 FEET	8800 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.
PUMP PRESSURE p.s.i.	400	550		Work	600	700	700	700	650	650	650	650
ROTARY SPEED r.p.m.	120	120		ON	120	120	120	120	120	120	120	
WEIGHT ON BIT Tons	8	8			8	8	8	8	10	10	10	
p.H.	10.5	10.5		Pump	10.5	9.5	10.	10.	10	10	10	
MUD WEIGHT #/gal.	8.3	8.3			9.	9.2	9.1	9.1	9.1	9.1	9.1	
MUD VISCOSITY Sec.	56	55			42	52	56	57	48	48	48	
MUD CAKE 32nds					13	11.5						
WATER LOSS c.c.												
BIT 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	6 1/4	44262	H.W. ONK	21 1/4	770	1048	278		2-3-1

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	DEVIATION RECORD
DRILLER	<i>A. Moore</i>	<i>H. JANDL</i>	<i>Ed Lamb</i>	Kind S.S. Depth 864' Reading 34°
DERRICKMAN	<i>R. Gunsolley</i>	<i>J. JANDL</i>	<i>Pete Deppeler</i>	
TOOL DRSR.				
HELPER	<i>A. Bruneau</i>	<i>A. Kuharchuk</i>	<i>Wayne Rutter</i>	
HELPER	<i>D. McCourt</i>	<i>R. Gutterson</i>	<i>John Zherov</i>	
HELPER				
FIREMAN	<i>J. Rouschuk</i>			
TOOL PUSHER	<i>J. L. Carroll</i>			

MUD and CHEMICALS ADDED	From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
TOUR 1	12:00	12:15	Serv. rig. & check B.O.P.
Gel.	12:15	3:45	Drig. 6 1/4 hole
Caustic	3:45	4:15	Survey & work on pump
	4:15	4:30	Drig. 6 1/4 hole
	4:30	4:45	Circ. sample
	4:45	5:00	Drig. 6 1/4 hole
	5:00	8:00	repairing pump.
TOUR 2	8:00	9:15	WORK ON PUMP.
Gel.	9:15	4:00	DRILL 6 1/4 Hole.
Sparsene.			
Caustic			
Tannathin			
TOUR 3	4:00	4:15	Rig SERV & CHECK B.O.P.
	4:15	10:15	DALG
	10:15	10:30	WORK ON PUMP
	10:30	11:15	DALG
	11:15	12:00	HOIST

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

Brian D. Bane
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *Tri-City Drilling*FIELD *Wildcat*PROPERTY *Calistan Big Island* WELL No. *G-56*

11 P.M.

12 M. *March 3*

1965

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

FOR 24 HOURS ENDING

DRILLING ASSEMBLY		END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR			
STANDS	" D.P.	NO. 8	4	96	16	FT.	NO.	4	96	16	FT.	NO. 9	
"	" D.P.	NO.				FT.	NO.				FT.	NO.	
DOUBLE	" D.P.					FT.					FT.		
SINGLE	" O.D.					FT.					FT.		
"	" O.D.					FT.					FT.		
DRILL COLLAR	" O.D.	NO. 8	2	40	36	FT.	NO. 8	2	40	36	FT.	NO. 8	
REAMER	" O.D.	KIND				FT.	KIND				FT.	KIND	
STABILIZER	" O.D.	KIND				FT.	KIND				FT.	KIND	
JARS		KIND				FT.	KIND				FT.	KIND	
BUMPER SUB.		KIND				FT.	KIND				FT.	KIND	
BIT OR CORE BARREL						FT.					FT.		
TOTAL D.P. & TOOLS			2	36	52	FT.		2	36	52	FT.		2
KELLY DOWN (BELOW R.B.)			2	3	48	FT.		2	3	48	FT.		2
DEPTH OF TOOLS			7	60	00	FT.		7	70	00	FT.		8
TOUR													
DEPTH END OF TOUR			7	60		FEET		7	70		FEET		8
DEPTH START OF TOUR			7	60		FEET		7	60		FEET		7
FOOTAGE DRILLED			0	0		FEET		1	0		FEET		4

DAY WORK		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	500	T		650				450	450		
ROTARY SPEED	r.p.m.	-	-	C		120				120	12		
WEIGHT ON BIT	Tons	-	-	S		6				10	10		
p.H.		10.5	10.5	t		10.5							
MUD WEIGHT	#/gal.	9.3	9.3	1		9.3				8.5	8.5		
MUD VISCOSITY	Sec.	48	47	n		43				65	65		
MUD CAKE	32nds	3	10	3		10							
WATER LOSS	c.c.	32	10	3		9							
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
2	6 1/4	92347	H.W. O.W.V.	3 3/4	649	814	44		1N

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	DEVIATION RECORD		
DRILLER	A. Moore	H. JANDL.	Ed Lamb	Kind	Depth	Reading
DERRICKMAN	R. Gunsolley	J. JANDL.	Pete Luppel			
TOOL DRSR.						
HELPER	D. Bruneau	A. Kharbachuk.	Wayne Kutter			
HELPER	D. McCourt	R. Guttererson.	Joan Thosow			
HELPER						
FIREMAN	J. Haggelund.					
TOOL-PUSHER	J. G. Lavelle					

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE	
Kind	Amount				
TOUR 1		12:00	12:15	Serv. rig + check R.O.P.'s	
		12:15	4:00	Circ. condition hole for test #2	
		4:00		Hoist for test #2, pick up make up	
			5:30	Testing tool & run in w/ same	
		5:30	8:00	Testing	
TOUR 2		8:00	9:45	Testing.	
Sawdust	165x	9:45		Pull out Break down Test Tool +	
			10:45	Lay down same.	
		10:45	11:00	Slip DRILL Line.	
		11:00	11:5	RUN IN WITH Bit.	
		11:5	11:45	DRILL 6 1/4 Hole.	
		11:45	12:30	Gooding mud	
		12:30	1:45	Circ. Sample + Circ. hole. Add sawdust.	
TOUR 3		1:45	4:00	Pull out. Make up Test Tool + RUN IN	
GEL	3200#	4:00	5:00	RIG up to + Test. # 3.	
SAWDUST	165x	5:00	6:00	TESTING.	
CAUSTIC	50#	6:00	6:30	HOIST TEST #3	
		6:30	7:00	BREAK & LAY DOWN TOOL	
		7:00	8:00	RUN IN W/ B.T	
		8:00	8:30	MIX MUD & SAWDUST. (Loosing mud)	
		8:30	8:45	DRILL	
		8:45		WORK ON PUMP	

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

D.S.T. #2 (740-760)
Ran Johnson Testers Ltd. Testing tool in full open 6 1/4" hole on 4" 28" dry flex w.t. pipe to test Slave Point formation. Tool was equipped with 2-5 1/2" packers, 1/2" choke, safety joint and pump out sub 240' above tool on top of collars.
Two 3000 psi T recorders were run inside & outside tester. 20' of tail pipe with 8' of perforations were run below packer. Valve opened at 5:33 am. for 5 minutes, initial shut in 6 minutes, valve open at 6:38 am. for 120 minutes and a final shut in recorded for 60 minutes. Obtained a very faint air blow upon opening the tool.
Initial shut in pressure 330 psi. Recovered 30' of fresh drilling mud.
Flow Pressure 0-20 psi.
Final shut in pressure 330 psi. complete
Max. Hyd. head 355 psi.
Bottom hole temp. 82°F.
Ran Johnson Testers Ltd tool in full open 6 1/4" hole to test Slave Point. Tool equipped with 2-5 1/2" packers & gas in DST #2, with 10.3' of tail pipe & 3.10' of perforations. Valve opened at 1:57 P.m. for 5 minutes, initial shut in 30 min, valve opened at 2:32 P.M. for 90 min, and a final shut in recorded for 60 minutes. Obtained a strong air blow, decreasing to nil after 35 minutes. Recovered 330' of drilling mud, and 300' of Salt cut mud. Cl content of mud before test 600 ppm. Recovered mud 1800 ppm.
Initial shut in pressure 330 psi. Bottom Hole temp. 82°F.
Flow Pressure 300-325 psi.
Final shut in pressure 325 psi. complete
Max Hyd. Head 350 psi.

Brian D. Boyce
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *Tec City Drilling*FIELD *Wildcat* PROPERTY *Big Island* WELL No. *6-56*

11 P.M.

12 M.

*March 2*19*65*☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☒ ROTARY

FOR 24 HOURS ENDING

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS " D.P.	NO. 6	NO. 7	NO.
" D.P.			
DOUBLE " D.P.			
SINGLE " O.D.	1		
" O.D.			
DRILL COLLAR " O.D.	NO. 8	NO. 8	NO.
REAMER " O.D.	KIND	KIND	KIND
STABILIZER " O.D.	KIND	KIND	KIND
JARS	KIND	KIND	KIND
BUMPER SUB.			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS	64356 FT.	67515 FT.	77232 FT.
KELLY DOWN (BELOW R.B.)	1244 FT.	2485 FT.	2348 FT.
DEPTH OF TOOLS	65600 FT.	70000 FT.	76000 FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	656 FEET	700 FEET	760.00 FEET
DEPTH START OF TOUR	656 FEET	656 FEET	700.00 FEET
FOOTAGE DRILLED	0.0 FEET	44 FEET	60.00 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.
PUMP PRESSURE p.s.i.	400	400					600	650	650	650	650	650
ROTARY SPEED r.p.m.	-	-					120	120	120	120	120	120
WEIGHT ON BIT Tons	-	-					5	5	8	8	8	8
p.H.	11	11					10.5	11	10.5	10.5	10.5	
MUD WEIGHT #/gal.	9.3	9.3					9.3	9.3	9.3	9.3	9.3	
MUD VISCOSITY Sec.	47	46					43	50	47	47	47	
MUD CAKE 32nds							132	10				
WATER LOSS c.c.	32	10	32	10					10	10		
PIT VOLUME Ft.-Ins.												

NO.	SIZE	SERIAL	BIT OR CORE BARREL KIND AND TYPE	TOTAL HOURS	FROM	TO	Total Bit Footage	Core Recovery	BIT CONDITION
2	6 1/4	42347	H.W. O.W.V.	9 1/2	649	760	111		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	DEVIATION RECORD		
				Kind	Depth	Reading
DRILLER	A. Moore	H. JANDL.	Ed. Lach			
DERRICKMAN TOOL DRSR.	R. Gunsolley	J. JANDL.	Pete Haggard			
HELPER	A. Bruneau	A. Kuharchuk.	Wynne Butler			
HELPER	D. McCourt	R. Guttererson.	John Thorne			
HELPER						
FIREMAN	J. Houghchuk.					
TOOL PUSHER	J. E. Caswell					

MUD and CHEMICAL ADDED	From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount		
TOUR 1			Serv. rig & check R.O.P.'s
		12:00 12:15	Circ. wait for daylight
		12:15 5:00	Hoist bit, pickup & make up
		5:00	testing tool & run in
		7:00 8:00	Testing #1
TOUR 2			
		8:00 11:15	Testing.
		11:15	Hoist break down Test tool & Lay
		12:00	down same.
		12:00 12:30	Run in with Bit.
		12:30 4:00	DRILL 6 1/4 Hole.
		4:00 4:15	Big SERV & CHECK B.O.P.
		4:15 10:00	DRLG
TOUR 3			
		10:00 11:00	CIRC & CONDITION HOLE TO TEST
		11:00 11:45	Dummy TRIP - STRAP OUT.
		11:45 12:00	CIRC & CONDITION HOLE TO TEST
			MEASURE OUT 772.56
			BARRO TALLY 772.32
			.24 diff.

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

DST #1 (636-656)

Run Johnston Testers Ltd testing tool in full open 6 1/4" hole on 4" 28" flex w. dry pipe to test Slave Point formation. Tool was equipped with 2-5 1/2" packers, 1/2" choke, safety joint & pump out sub 240' above tool on top of collars.

Two 3000 psi. T-Recorders were run inside & outside the tester. 20' of tailpipe with 8' of perforations were run below packer. Overall length of tool was 49'. Valve was opened at 7:02 a.m. for 5 minutes, initial shut in 60 minutes, valve open at 8:07 a.m. for 120 minutes, and a final shut in recorded for 60 minutes.

Faint air blow upon opening tool & throughout flow period. Recovered 40' of drilling mud.

Initial Shut in pressure 290 psi.

In Flow pressure 20 psi - 45 psi.

Final shut in pressure 290 psi. complete.

Initial hydrostatic head 300 psi.

Final hydrostatic head 300 psi.

Bottom hole temperature 80°F

Cl- content of mud before test 2300 P.P.M.

Cl- content of mud recovered on test. 2000 P.P.M.

Chris D. Payne
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR

Tri-City Drilling

Calston

FIELD *Wildcat*

PROPERTY

*Big Island*WELL No. *6-56*

11 P.M.

12 M.

*March 1*196*3*☐ DRILLING ☐ DEEPENING ☐ CABLE TOOLS
☐ REDRILLING ☐ ABANDONING ☒ ROTARY

FOR 24 HOURS ENDING

DRILLING ASSEMBLY		END OF MORNING TOUR							END OF DAYLIGHT TOUR							END OF AFTERNOON TOUR															
STANDS	" D.P.	NO. 6			3	7	2	7	3	FT.	NO. 6				3	7	2	7	3	FT.	NO. 6				3	7	2	7	3	FT.	
	" D.P.	NO.								FT.	NO.									FT.	NO.								FT.		
DOUBLE	" D.P.									FT.										FT.									FT.		
SINGLE	" 2 O.D.	1				3	0	4	7	FT.	1				3	0	4	7	FT.	1				3	0	4	7	FT.			
	" O.D.									FT.										FT.									FT.		
DRILL COLLAR	" 4 1/2 O.D.	NO. 8				2	4	0	3	6	FT.	NO. 8				2	4	0	3	6	FT.	NO.				2	4	0	3	6	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								FT.	KIND									FT.	KIND								FT.		
BIT OR CORE BARREL										FT.										FT.									FT.		
TOTAL D.P. & TOOLS						6	4	3	5	6	FT.				6	4	3	5	6	FT.					6	4	3	5	6	FT.	
KELLY DOWN (BELOW R.B.)							1	2	4	4	FT.					1	2	4	4	FT.						1	2	4	4	FT.	
DEPTH OF TOOLS						6	5	6	0	0	FT.				6	5	6	0	0	FT.					6	5	6	0	0	FT.	
TOUR		MORNING TOUR							DAYLIGHT TOUR							AFTERNOON TOUR															
DEPTH END OF TOUR						6	5	6		FEET					6	5	6		FEET					6	5	6		FEET			
DEPTH START OF TOUR						6	5	6		FEET					6	5	6		FEET					6	5	6		FEET			
FOOTAGE DRILLED						0	0			FEET					0	0			FEET					0	0			FEET			

DAY WORK	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.	600	400	400	400	400	400	400		400	400	400	400
ROTARY SPEED r.p.m.	-	-	-	-	-	-	-	-	-	-	-	-
WEIGHT ON BIT Tons	-	-	-	-	-	-	-	-	-	-	-	-
p.H.	10.5	10.5	10.5	10.5	10.5	10.5	10.5		11	11	11	11
MUD WEIGHT #/gal.	9.2	9.2	9.2	9.2	9.2	9.3	9.3		9.3	9.3	9.3	9.3
MUD VISCOSITY Sec.	46	46	44	51	46	45	46		46	47	47	47
MUD CAKE 32nds												
WATER LOSS c.c.	32-10	-	32-10	32-10		32-10	32-10		32-10	✓	✓	✓
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
2	6 1/4	42347	H.W. DWV	14	649	656	7		1 N

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		DEVIATION RECORD		
	DRILLER	DERRICKMAN TOOL DRSR.	HELPER	HELPER	HELPER	FIREMAN	Kind	Depth	Reading
	<i>A. Moore</i>	<i>A. Gunsolley</i>	<i>A. Bruneau</i>	<i>D. McCourt</i>	<i>J. Roychuk</i>	<i>J. Roychuk</i>			
	<i>H. JANDL</i>	<i>J. JANDL</i>	<i>A. Kuharchuk</i>	<i>R. Guttererson</i>	<i>Ed. Lamb</i>	<i>PETE DEPPERER</i>			
					<i>WAYNE RUTTER</i>	<i>JUAN THEROU</i>			

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1		12:00	12:15	Serv. rig & check B.O.P's
Gal	200#	12:15	2:00	Wire. wait on tester
		2:00		Dummy trip, double strap out
			3:00	check blind rams.
		3:00	8:00	Circ. wait on tester
TOUR 2		8:00	8:15	SERVICE RIG + check B.O.P's.
		8:15	2:00	Circ. WAIT FOR TESTER.
		2:00	2:30	PULL OUT OF HOLE.
		2:30	4:00	WAIT FOR TESTER.
TOUR 3		4:00	12:00	WAIT ON TESTER.
				RUN IN + CIRC - WAIT ON TESTER

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

Double strap out tally 679.58
Board tally 679.36
DIFF. .22

JOHNSTON TESTERS LTD., GIVEN 45 HRS. NOTICE, ARRIVED
24 HRS. LATE.

Brian D. Boyce
SIGNATURE COMPANY ENGINEER

CONTRACTOR. Tri-City Drilling

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

FOR 24 HOURS ENDING

PROPERTY 7
11 P.M.

12 M.

WELL No. G-56

1965

DRILLING ASSEMBLY			END OF MORNING TOUR							END OF DAYLIGHT TOUR							END OF AFTERNOON TOUR												
STANDS	"	D.P.	NO. 2			1	2	5	3	8	FT.	NO. 5			3	1	0	7	6	FT.	NO.			4	0	3	2	0	FT.
	"	D.P.	NO.								FT.	NO.								FT.	NO.								FT.
DOUBLE	"	D.P.									FT.									FT.									FT.
SINGLE	" 4	O.D.									FT.									FT.									FT.
	"	O.D.									FT.									FT.									FT.
DRILL COLLAR	" 4 3/4	O.D.	NO. 8			2	4	0	3	6	FT.	NO. 8			2	4	0	3	6	FT.	NO. 8			2	4	0	3	6	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								FT.	KIND								FT.	KIND								FT.
BIT OR CORE BARREL											FT.									FT.									FT.
TOTAL D.P. & TOOLS						3	6	5	7	4	FT.			5	5	1	1	2		FT.			6	8	8	8	6		FT.
KELLY DOWN (BELOW R.B.)						1	4	2	6		FT.				5	8	8			FT.				1	2	4	4		FT.
DEPTH OF TOOLS						3	8	0	0	0	FT.			5	5	7	0	0		FT.			6	5	6	0	0		FT.
TOUR			MORNING TOUR							DAYLIGHT TOUR							AFTERNOON TOUR												
DEPTH END OF TOUR						3	8	0		FEET				5	5	7		FEET				6	5	6	0	0		FEET	
DEPTH START OF TOUR						2	4	4		FEET				3	8	0		FEET				5	5	7	0	0		FEET	
FOOTAGE DRILLED						1	3	6		FEET				1	7	7		FEET				9	9	0	0			FEET	

[illegible][illegible][illegible]

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
				Kind	Depth	Reading
DRILLER	A. Moore	H. JANDL.	Ed. Lamb	S.S.	431'	10°
DERRICKMAN TOOL DRSR. ☐	R. Gunsolley	J. JANDL.	PETE DEPPERER	SS	656	3/4°
HELPER	A. Bruneau	A. Kuharchuk.	WAYNE RUTTER			
HELPER	D. McCourt	R. Gutterson.	IUAN THEROU			
HELPER						
FIREMAN	J. Poychuk.					
TOOL PUSHER						

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1				
Gel.	6500#	12:00	12:15	Serv. rig
Caustic	200#	12:15	3:30	Mixing mud
Tannathin	200#	3:30	3:45	Drilg. 6 1/4 hole
		3:45	4:15	steam off & work on shaker
		4:15	8:00	Drilg. 6 1/4 hole
TOUR 2				
TANNATHIN.	200 #	8:00	8:30	DRILL 6 1/4 Hole.
Caustic.	100 #	8:30	8:45	SERVICE RIG & CHECK B.O.Ps.
Gel.	1500 #	8:45	10:00	DRILL 6 1/4 Hole.
Sporesene.	400 #	10:00	10:15	RUN SURVEY @ 4:31'
C.M.C.	50 #.	10:15	1:15	DRILL 6 1/4 Hole.
		1:15	1:30	WORK ON AIR LINES.
		1:30	4:00	DRILL 6 1/4 Hole.
TOUR 3				
		4:00	4:15	RIG SEAU & CHECK RAMS
		4:15	5:30	DALG
		5:30	6:30	WORK ON MUD LINE
		6:30	8:15	DALG
		8:15	9:15	TRIP FOR BIT
		9:15	9:30	DALG
		9:30	9:45	CIRC SAMPLE
		9:45	12:00	SURVEY & WAIT ON TESTER.

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

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *Tri-City Drilling**Colston*FIELD *Wildcat* PROPERTY *Big Island* WELL No. *G-56*

11 P.M.

12 M. *Feb. 27*

1965

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

FOR 24 HOURS ENDING

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.
STABILIZER " O.D.	KIND			FT.	KIND			FT.	KIND			FT.
JARS	KIND			FT.	KIND			FT.	KIND			FT.
BUMPER SUB.	KIND			FT.	KIND			FT.	KIND			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				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.												
ROTARY SPEED r.p.m.												
WEIGHT ON BIT Tons												
D.H.												
MUD WEIGHT #/gal.												
MUD VISCOSITY Sec.												
MUD CAKE 2nds												
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 Rec'd	BIT CONDITION
1	6 1/4	44286	OSG/G	1/2	224	244	20		Run

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	DEVIATION RECORD		
DRILLER	<i>A. Moore</i>	<i>H. JANDL</i>	<i>Ed. Lamb</i>	Kind	Depth	Reading
DERRICKMAN TOOL DRSR.	<i>R. Gunsolley</i>	<i>J. JANDL</i>	<i>PETE DEPPER</i>			
HELPER	<i>A. Bruneau</i>	<i>A. Kuharchuk</i>	<i>WAYNE RUTTER</i>			
HELPER	<i>D. McCourt</i>	<i>R. Gutterson</i>	<i>IVAN THEAOU</i>			
HELPER						
FIREMAN	<i>J. Poychuk</i>					
TOOL PUSHER						

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1		12:00	12:30	Circ. csq.
		12:30	1:00	Cement csq. + pump plug
		1:00	2:00	W.O.C.
TOUR 2		8:00	100	W.O.C.
	100	400		SHOCK OFF. BACK OFF LANDING JOINT Head up V.B.O.P's.
		4:00	6:00	FINISH HEAD UP B.O.P.
		6:00	6:30	CLOSE BLIND RAMS + PRESSURE UP 750
		6:30	7:15	RUN IN w/ BIT #1
		7:15	7:45	PRESSURE HYDRILL TO 600 OK.
TOUR 3		7:45	8:15	PRESSURE 3 1/2 RAMS TO 600 OK.
		8:15	10:30	DRILL OUT PLUG - FLOAT - CEMENT + SHOE
		10:30	11:00	DALG 6 1/4 HOLE
		11:00	12:00	DISPLACE HOLE w/CLEAN WATER

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

Casing Details: Ran 6 jts (201.41') of 7" 20" J-55 B.R. ST&C new Smts Mannesman casing and landed at 211.91'. String was equipped with Larkin float shoe, float collar and one centralizer centered on each of bottom two joints. Float shoe, float collar, and collars on bottom two joints were electrically welded to form a solid unit. String made up and ran as follows.

Larkin float shoe	1.67'
4 1/2 7" 20" J-55 B.R. ST&C csq.	33.37'
Larkin float collar	1.33'
5 jts 7" 20" J-55 B.R. ST&C csq.	165.04'
TOTAL STRING	201.41'
K.B. -> T.C.	10.50'
LANDED DEPTH.	211.91'

Cementing Details:
Cemented 6 jts (201.41') of 7" J-55 20" (39 lbs above) with 150 Sox. const. cement + 2% Ca Cl₂. Mixed cement to a 15.5 #/gal slurry in 10 min. from 12:50 a.m.

to 1:00 a.m. Displaced plug with 7.4 bbls water in 1 minute from 1:03 a.m. to 1:04 a.m. Bumped plug with 1250 p.s.i. checked for bleed off, floats held. ~~CE 12:50 a.m. 100 p.s.i.~~
Partial mud returns throughout cementing but no cement returns. C.I.P. 1:04 a.m. Feb 27/65. Cement down in annulus 15' recemented with 10 Sox const cement.

After 12 hrs w.o.c. slack off casing & headed up B.O.P.'s
CHECKED BLIND RAMS & PIPE RAMS - O.K. MOTOR SHUT-OFFS - O.K.
CHECKED HYDRIL & CSG w/600 p.s.i. FOR 20 MIN. *Ben D. Boyce*
NO DROP NITROGEN BOTTLES @ 2450 p.s.i. each.

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *Tri-City*FIELD *Wildcat* PROPERTY *Calston* WELL No. *G-56*

11 P.M.

12 M.

Feb 25

1965

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

FOR 24 HOURS ENDING

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS " D.P.	NO.	NO.	NO.
" " D.P.	NO.	NO.	NO.
DOUBLE " D.P.	NO.	NO.	NO.
SINGLE " O.D.	NO.	NO.	NO.
" " O.D.	NO.	NO.	NO.
DRILL COLLAR " O.D.	NO. 3	NO. 6	NO. 5
<i>Subs</i> " O.D.	KIND	KIND	KIND
STABILIZER " O.D.	KIND	KIND	KIND
JARS	KIND	KIND	KIND
BUMPER SUB.	KIND	KIND	KIND
BIT OR CORE BARREL	FT.	FT.	FT.
TOTAL D.P. & TOOLS	8856 FT.	21532 FT.	14852 FT.
KELLY DOWN (BELOW R.B.)	528 FT.	3580 FT.	3580 FT.
DEPTH OF TOOLS	9434 FT.	21532 FT.	18432 FT.
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	94 FEET	21532 FEET	184 FEET
DEPTH START OF TOUR	0 FEET	18400 FEET	94 FEET
FOOTAGE DRILLED	94 FEET	3100 FEET	90 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.
PUMP PRESSURE p.s.i.		50	50	50	75	175	175	175	200	200	200	200
ROTARY SPEED r.p.m.		175	175	175	175	175	175	175	175	175	175	175
WEIGHT ON BIT Tons		1	1	1	2	2	2	2	2	2	2	2
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 Bit Footage	Core Recov'y	BIT CONDITION
1A	9 3/8	RR	HW - OSC-3	17	0	215	215		

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

				DEVIATION RECORD		
SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	Kind	Depth	Reading
DRILLER	A. Moore	H. JANDL.	Ed Lamb	S.S.	60'	1"
DERRICKMAN TOOL DRSR. ☒	R. Gunsolley	J. JANDL.	Pete Duppeler	S.S.	124'	1"
HELPER	A. Bruncau	A. Kuharchuk.	Wayne Luther	S.S.	184'	1"
HELPER	D. McCourt	R. GUTTERSON.	Don Zharov			
HELPER						
FIREMAN	J. Roupchuk					
PUSHER	J. P. ...					110

MUD and CHEMICALS ADDED	From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount		
TOUR 1			
Gal	2000#	12:30	Put on bit + serv rig
Caustic	50#	6:15	Spud in, Drlg 9 3/8 hole
lime	100#	6:30	Survey
		8:00	Drlg 9 3/8 hole
TOUR 2			
	800	8:15	SERVICE RIG.
	8:15	10:25	DRILL 9 3/8 Hole.
	1045	11:00	RUN SURVEY @ 124'
	1100	1:45	DRILL 9 3/8 Hole.
	145	2:15	WORK ON PUMP.
	2:15	4:00	DRILL 9 3/8 Hole.
TOUR 3			
	4:00	4:15	Rig Serv.
	4:15	4:30	Survey @ 184'
	4:30	5:15	Run Survey. Double measure out.
	5:15	8:00	Drlg 9 3/8 hole.
	8:00	12:00	Circ & wait on Halliburton

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

Board Tally 215.32
 measure out 215.30
 .02 diff.

Location: *Calston Big Island G-56*Co-ordinates: *61°10'N, 116°30'W.*Surveyed ground elevation: *537.1, No cut or fill.*K.B. → ground *12.70', K.B. Elevation 547.8'*License number *152.*

Contractor: *Tri-City Drilling rig #4* with Fairling 150 drawworks powered by 2 GM Diesels. Emsco 150 mud pump powered by 2 GM diesels and Gardner Denver standby pump powered by 75 HP diesel. Derrick is 95' L.C. Moore telescoping type. Rig is equipped with 8" Series 600 Hydrit and 8" series 600 Gurbelton double gate mechanical blind & pipe rams. Hydrit may be operated by Baker pump or nitrogen bottles in boiler shock. Pipe and blind rams may be operated manually.

Other Equipment: 1-220 bbl 3 compartment mud tank, Automatic diesel boiler, 2-15 KVA light plants, shale shaker.

Drill pipe: *3 1/2", 13.3# I.F. Box & Pin*Collars: *4 5/8" w/3 1/2" I.F. Box & Pin*19 joints *3 1/2" Flex WT.*Started move *Feb 22/65.*Spudded *12:30 a.m. Feb 25/65*

Brian D. ...
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR

Tri-City

FIELD N.W.T. Welded

PROPERTY Crown

WELL No. G-56

Cal Stan Big Island G-56

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

FOR 24 HOURS ENDING

11 P.M.

12 M.

Feb 24

1965

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.
STABILIZER " O.D.	KIND				FT.	KIND				FT.	KIND				FT.
JARS	KIND				FT.	KIND				FT.	KIND				FT.
BUMPER SUB.	KIND				FT.	KIND				FT.	KIND				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				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.												
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 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	DEVIATION RECORD		
DRILLER	Ed Lamb			Kind	Depth	Reading
DERRICKMAN TOOL DRSR.	Pete Duggan					
HELPER	Wayne Butler					
HELPER	Don Thron					
HELPER						
FIREMAN						
TOOL PUSHER						

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1				
TOUR 2				
TOUR 3	500	400	1045	Reg up Shut Rat hole
		1045	1200	

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

Don Duggan
SIGNATURE COMPANY ENGINEER