Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1128299

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5046
Name: Raymond Oil Company, Inc.
Address 1: PO BOX 48788
Address 2:
City: WICHITA State: KS Zip: 67202 + 1822
Contact Person: Ted McHenry
Phone: (316) 267-4214
CONTRACTOR: License # 33793
Name: H2 Drilling LLC
Wellsite Geologist: Max Lovely
Purchaser:

Designate Type of Completion:
☑ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☑ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

2/28/2013	3/12/2013	3/12/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-203-20208-00-00
Spot Description:
SE - SW - NE - NE Sec. 22 Twp. 20 S. R. 36 ☐ East ☑ West
1160 Feet from ☑ North / ☐ South Line of Section
765 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Wichita
Lease Name: Gertsberger Well #: 1
Field Name:
Producing Formation: NA
Elevation: Ground: 3221 Kelly Bushing: 3230
Total Vertical Depth: 5231 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 267 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 6000 ppm Fluid volume: 800 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☑ **Confidentiality Requested**
Date: 05/30/2013
☑ **Confidential Release Date:** 05/30/2015
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 05/31/2013

1128299

Operator Name: Raymond Oil Company, Inc. Lease Name: Gertsberger Well #: 1

Sec. 22 Twp. 20 S. R. 36 ☐ East ☑ West County: Wichita

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

dual ind, mcro, dual comp

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
B/Anh	2253	977
Stot	3486	-257
Heeb	3899	-668
Stk	4264	-1047
Cher	4584	-1354

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surf	12.25	8.58	23	267	comm	225	3%cc, 2%gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
_____
_____

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

April 24, 2013

Ted McHenry
Raymond Oil Company, Inc.
PO BOX 48788
WICHITA, KS 67202-1822

Re: ACO1
API 15-203-20208-00-00
Gertsberger 1
NE/4 Sec.22-20S-36W
Wichita County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Ted McHenry

CONSOLIDATED Oil Well Services, LLC

257318

TICKET NUMBER 3939
LOCATION Oakley, Ks
FOREMAN Fuzzy

...384, Chanute, KS 66720
...-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COU...
3-12-13	7158	Gerstenberger #1	22	20	36	Wic...

CUSTOMER: Raymond Oil

Marienthal S-Road and W-18 1 1/2 S 1/2 W ...

MAILING ADDRESS

CITY | STATE | ZIP CODE

TRUCK #	DRIVER	TRUCK #	DRI...
463	Cory D		
693	Tim W		

JOB TYPE PTA | HOLE SIZE | HOLE DEPTH | CASING SIZE & WEIGHT
CASING DEPTH | DRILL PIPE 4 1/2 | TUBING | OTHER
SLURRY WEIGHT 13.8 | SLURRY VOL 1.40 | WATER gal/sk 6.7 | CEMENT LEFT in CASING
DISPLACEMENT | DISPLACEMENT PSI | MIX PSI | RATE

REMARKS: Safety meeting on H&A #1 Rig up and plug as ordered
50sks @ 2260'
80sks @ 1170' 300sks 60/40 4% gel
50sks @ 600' 1/4# Cl...
50sks @ 300'
20sks @ 60'
20sk MH
30sks RH

Thanks Fuzzy & crew

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOT...
5405N	1	PUMP CHARGE	1325.00	132...
5406	60	MILEAGE	5.00	300...
5407A	12.9 ton	Ton Mileage Delivery	1.67	1293...
1131	300sks	60/40 poz	15.10	453...
1118B	1032#	Bentonite	.25	258...
1107	75#	Floseal	2.83	21...
		subtotal		791...
		less 10%		791...
		les		
		subtotal		712...
			SALES TAX	373....
			ESTIMATED TOTAL	7498....

Ravin 3737

Completed

AUTHORIZTION Carlos Fabela   TITLE   DATE

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer'... account records, at our office, and conditions of service on the back of this form are in effect for services identified on th...

...DATED
... Well Services, LLC

257194

TICKET NUMBER 39324
LOCATION Oakley, KS
FOREMAN Kelly Gabel

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-1-13	7158	Gerstberger #1	22	20	36	Gidit... KS

CUSTOMER: Raymond Oil
MAILING ADDRESS:
CITY: STATE: ZIP CODE:

Main in RD 20 South to Dead End 2W to RD 18 2½ S to Racetrack Info

TRUCK #	DRIVER	TRUCK #	DRIVER
399	Damon M		
460	Mike		

JOB TYPE Surface HOLE SIZE 12¼ HOLE DEPTH 868 CASING SIZE & WEIGHT 8⅝ 24#
CASING DEPTH 268 DRILL PIPE TUBING OTHER
SLURRY WEIGHT 14# SLURRY VOL WATER gal/sk CEMENT LEFT in CASING 20'
DISPLACEMENT 15½ DISPLACEMENT PSI MIX PSI RATE

REMARKS: safety meetin, rigged up on H2 #1, hooked up to circul... mixed 225 sks com 3%cc 2%gel, displaced with 15½ water, shut in. washed out pumps lines rigged do...

cement did circula...

Approx 3bbl in cellar

Thank You
Kelly Gabel & crew

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE	1085.00	1085.00
5406	60 mi	MILEAGE	5.00	300.00
11045	225 sks	Class A cement	17.65	3971.25
1102	634#	calcium chloride	.89	564.26
1118B	423#	Bentonite	.25	105.75
5407A	10.57	Ton mileage delivery	1.67	1059.60
1111	100#	salt		NC
				7085.86
		7.5% tax	disc	708.59
				6377.27
			SALES TAX	346.70
			ESTIMATED TOTAL	6723.97

Completed

Ravin 3737

AUTHORIZTION 1:00PM Jose C. Fabela TITLE DATE 3-1-13

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this for...

KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 * WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY RAYMOND OIL COMPANY, INC.

LEASE #1 PARKER

FIELD ALAMOTA WEST

LOCATION 1700' FNL & 690' FEL

SEC 21 TWSP 18S RGE 27W

COUNTY LANE STATE KANSAS

CONTRACTOR L. D. DRILLING, INC.

SPUD 3-6-13 COMP 3-15-13

RTD 4675 LTD 4676

MUD UP 3578 TYPE MUD CHEMICAL

ELEVATIONS

KB 2703

DF

GL 2698

Measurements Are All From 2703 KB

CASING

SURFACE 8 5/8" @ 261'

PRODUCTION

ELECTRICAL SURVEYS

DUAL IND., DENS-N., MICRO

SAMPLES SAVED FROM 3700 TO 4675

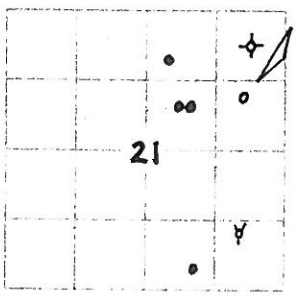
DRILLING TIME KEPT FROM 3400 TO 4675

SAMPLES EXAMINED FROM 3700 TO 4675

GEOLOGICAL SUPERVISION FROM 3600 TO 4675

GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	2057 + 646	2059 + 644
B/ANH.	2086 + 617	2088 + 615
STOTLER	3513 - 810	3514 - 811
HEEBNER	3927 - 1224	3926 - 1223
LANSING	3963 - 1260	3963 - 1260
STARK	4235 - 1532	4234 - 1531
MARMATON	4341 - 1638	4342 - 1639
FORT SCOTT	4492 - 1789	4489 - 1786
CHEROKEE	4516 - 1813	4514 - 1811
MISSISSIPPI	4622 - 1919	4614 - 1911



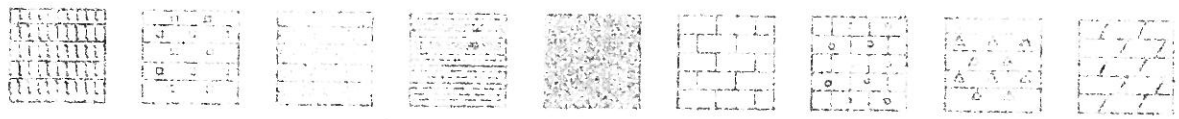
REMARKS

3-6-13 SPUD
3-7 @ 264'
3-8 @ 1820'
3-9 @ 2800'
3-10 @ 3400'
3-11 @ 3865'
3-12 @ 4303'
3-13 @ 4420'
3-14 @ 4561'
3-15 @ 4675'

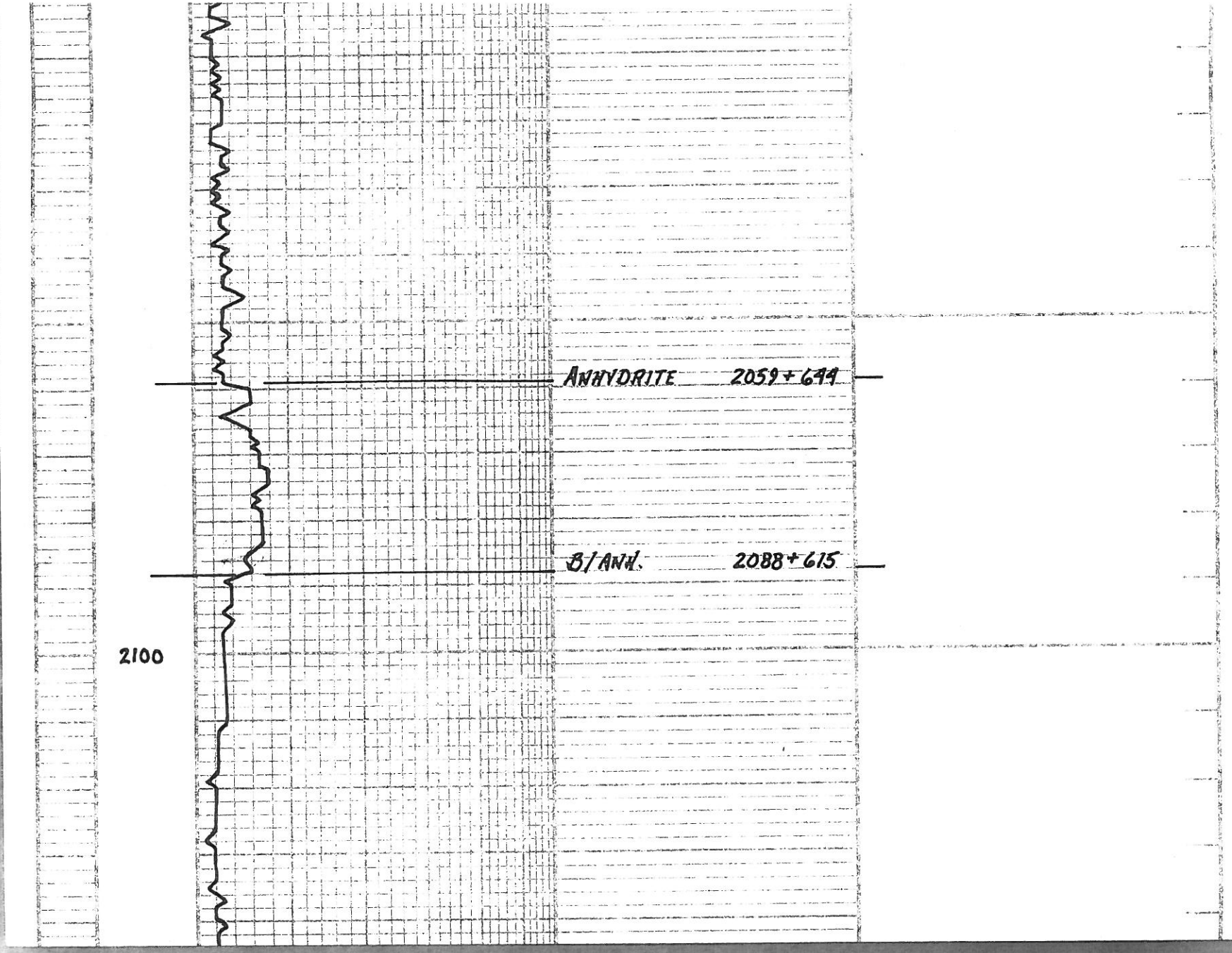
API: 15-101-22422

SHOOT 1-06

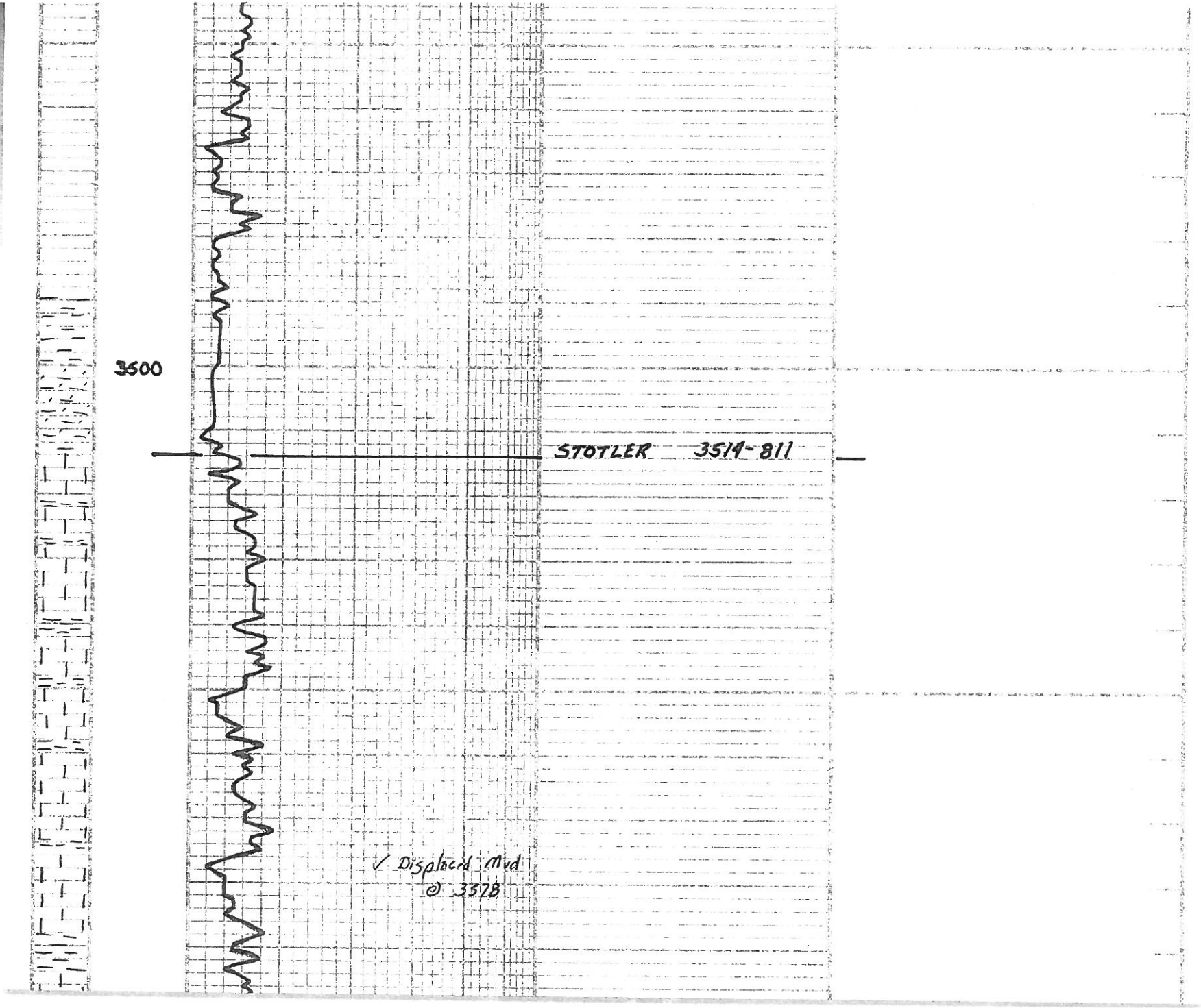
LEGEND

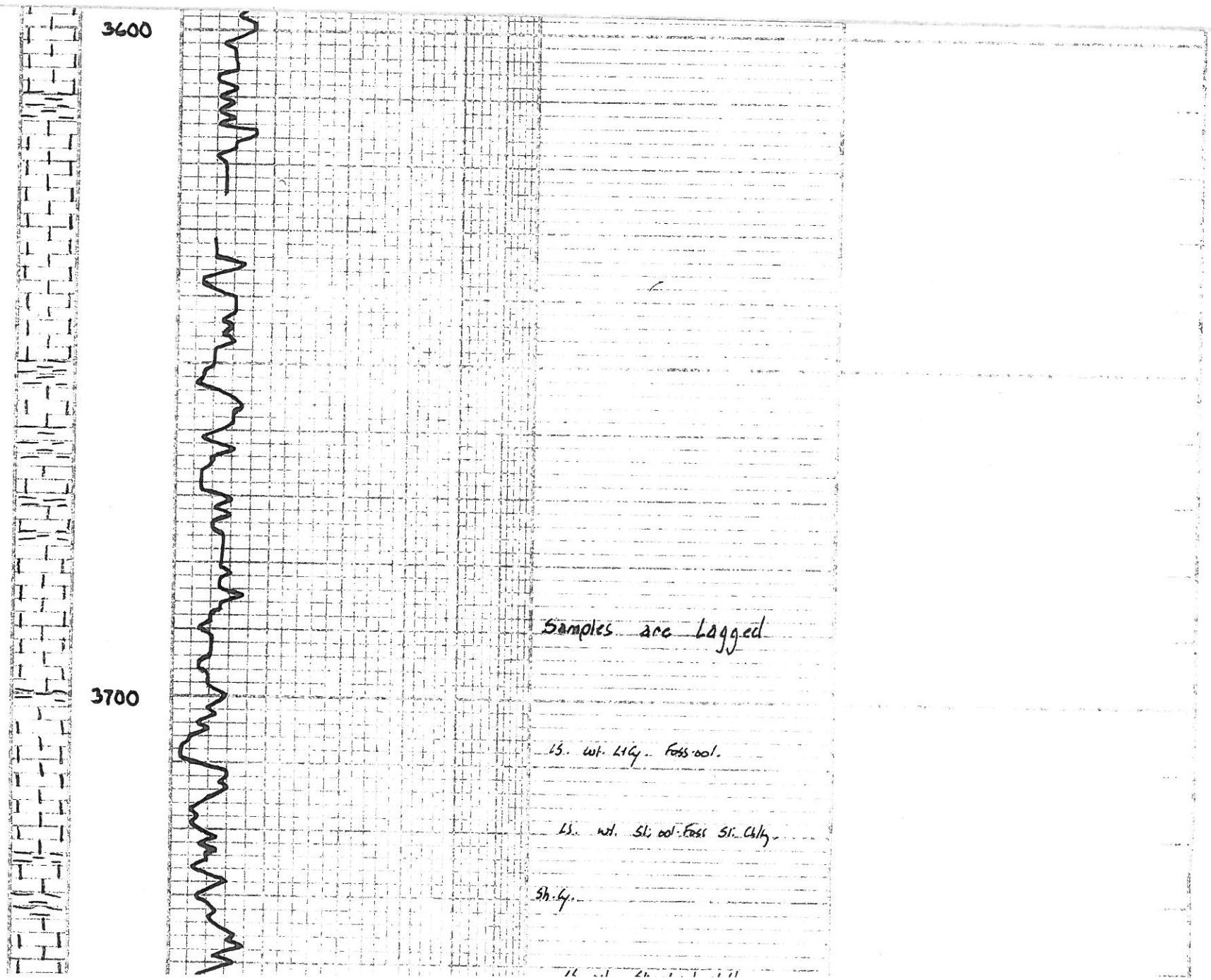


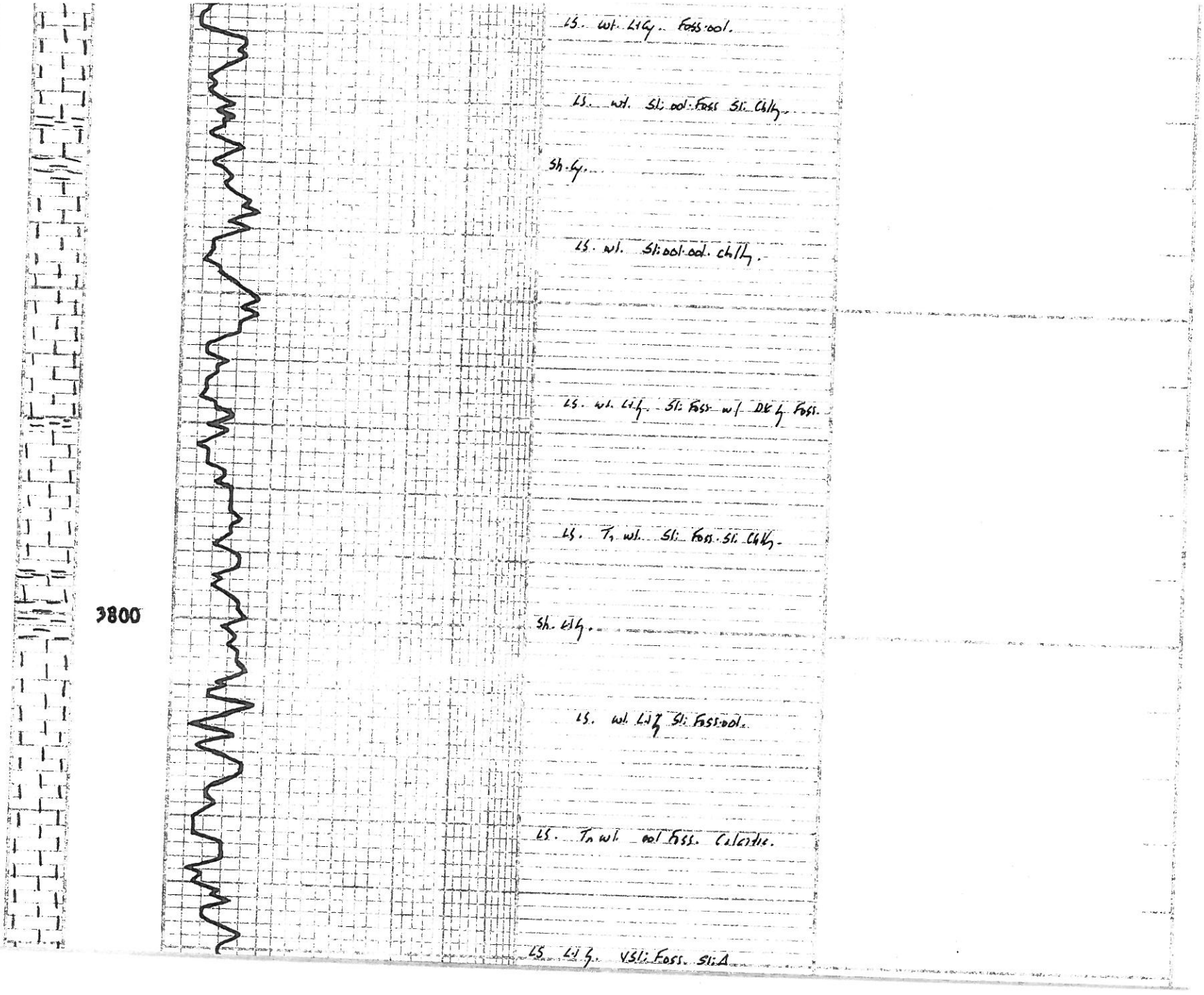
LITHOLOGY	DEPTH	DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Increases 5" 10" 15" 20" 25"	SAMPLE DESCRIPTIONS	REMARKS
	2000			

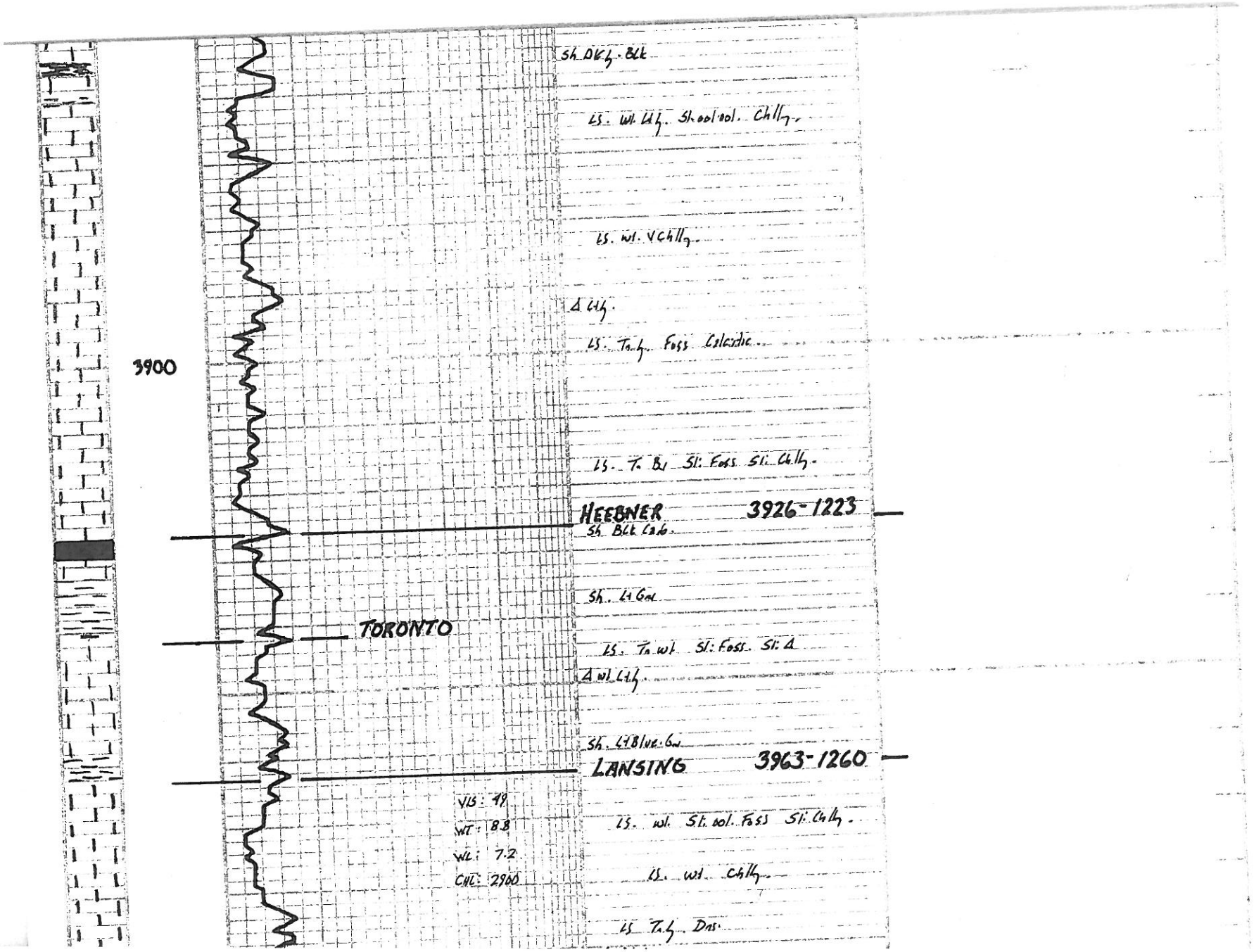

ANHYDRITE 2059+699
B/ANH. 2088+615
2100

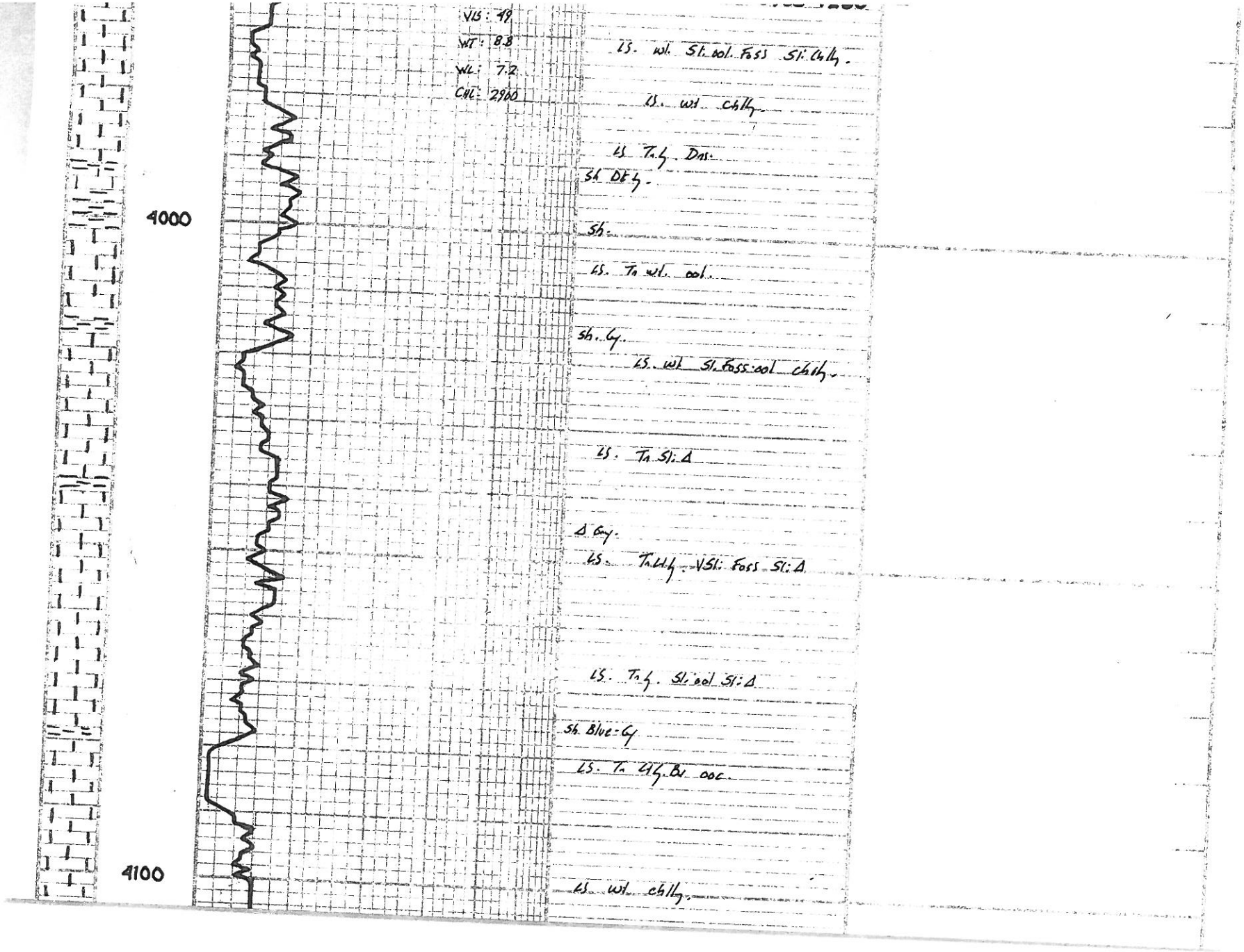
2150
3400

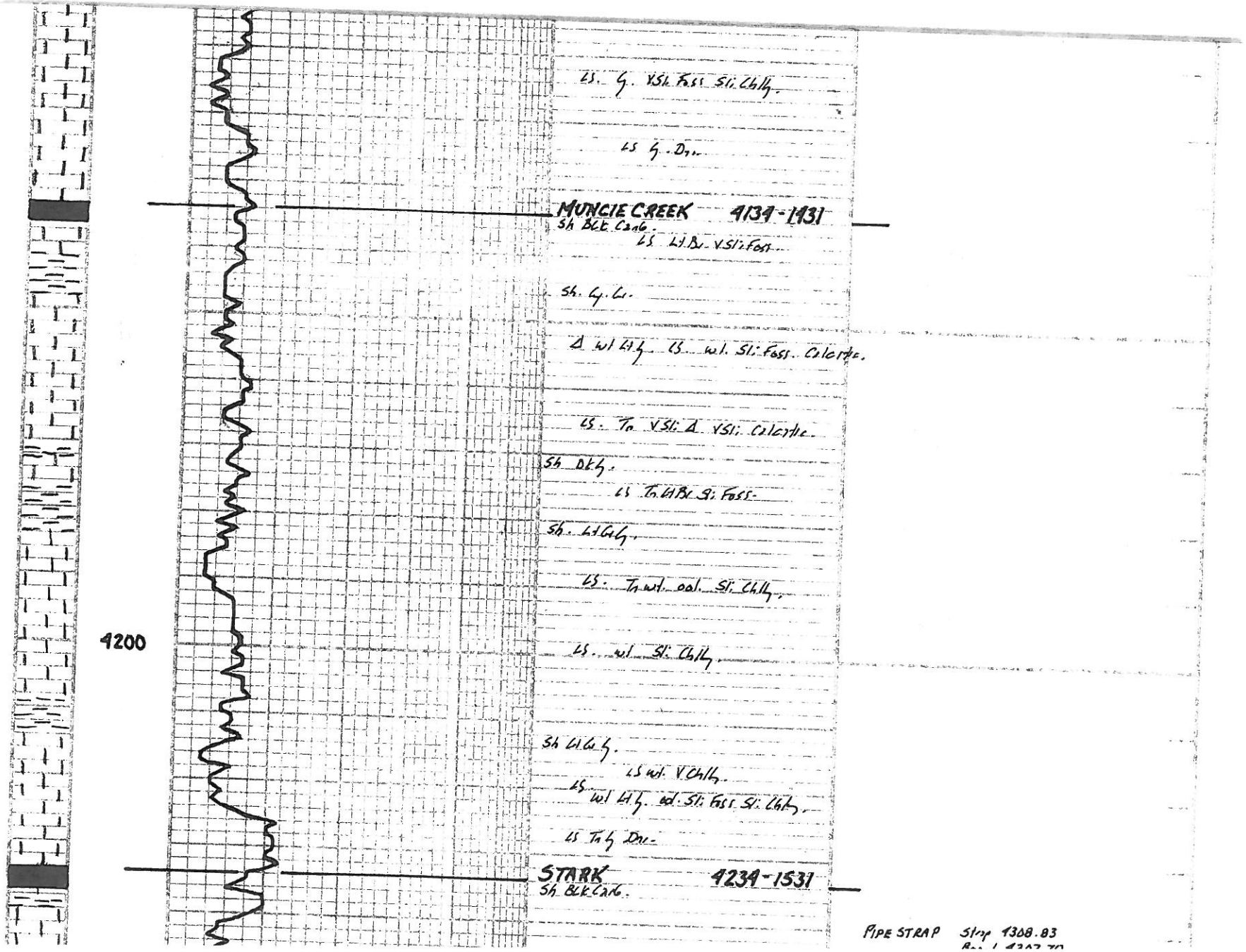

3500
STOTLER 3514-811
✓ Displaced Mud
@ 3378


3600
3700
Samples are Lagged
Ls. wt. Lt Gy. Foss. ool.
Ls. wt. Sl. ool. Foss Sl. Ch/Gy.
Sh. Gy.

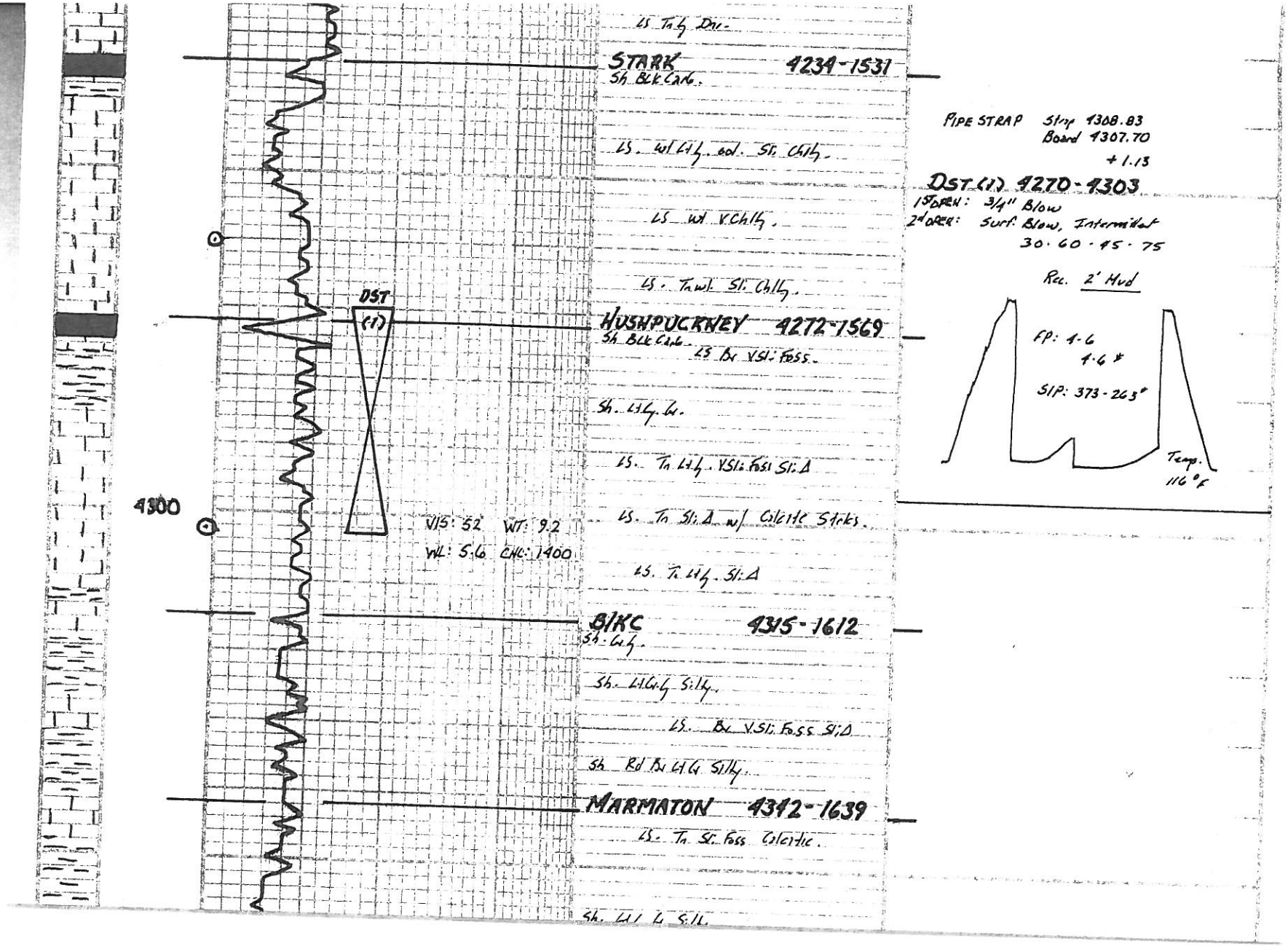

LS. wl. Lt Gy. Foss. ool.
LS. wl. Sl. ool. Foss. Sl. Chk.
Sh. Gy.
LS. wl. Sl. ool. ool. ch/lt.
LS. wl. Lt. Gy. Sl. Foss. w/ DK Gy. Foss.
LS. T, wl. Sl. Foss. Sl. Chk.
3800
Sh. Gy.
LS. wl. Lt Gy Sl. Foss. ool.
LS. T, wl. ool. Foss. Calcitic.
LS. Lt Gy. VSl. Foss. Sl. A

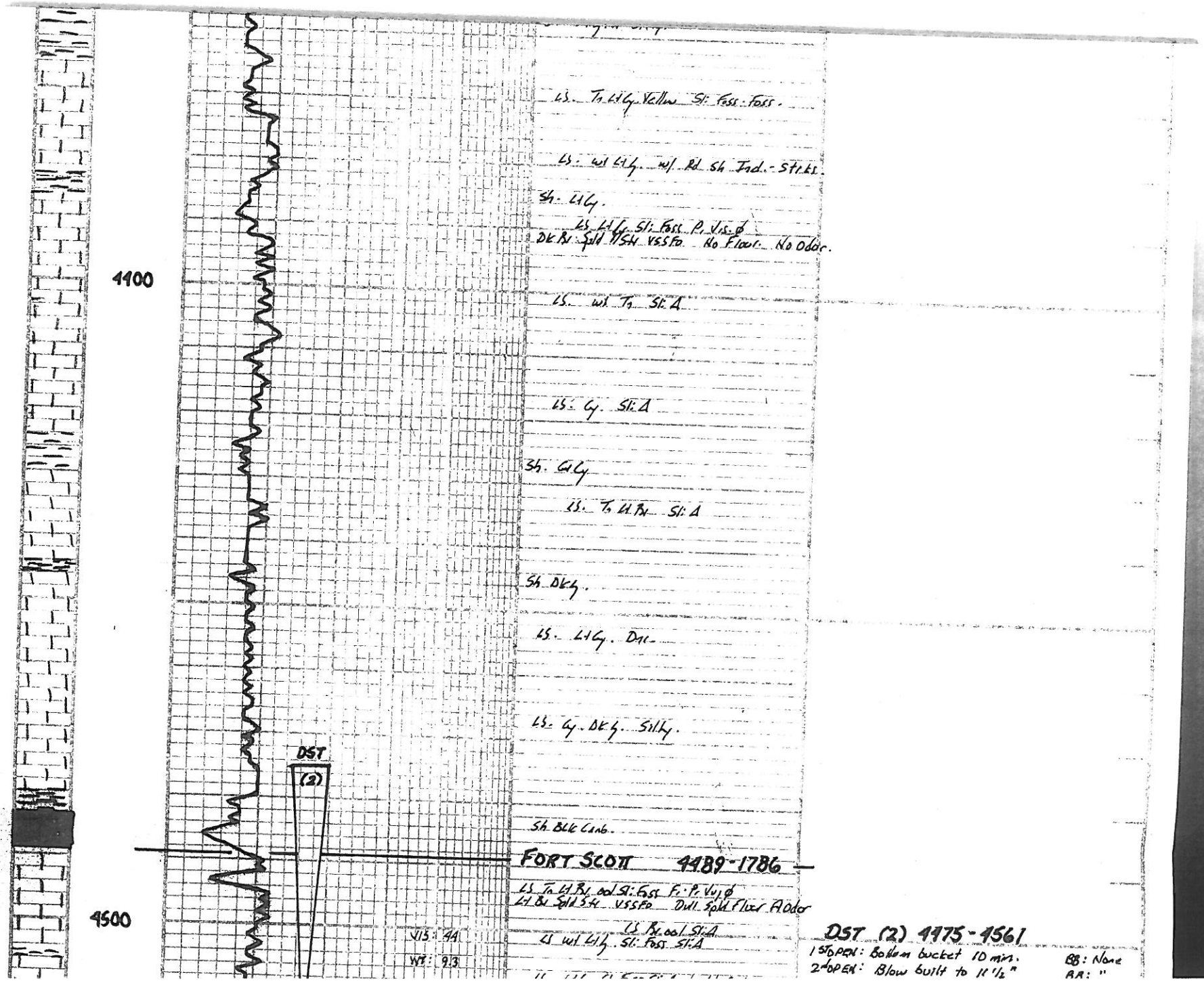

3900
Sh. DK Gy - Blk
Ls. wl. Lt Gy. Sl. ool/ool. Ch Gy.
Ls. wl. V Ch Gy.
Δ Ch Gy.
Ls. Tn Gy. Foss Calcite
Ls. Tn Bf Sl: Foss Sl: Ch Gy.
HEEBNER 3926-1223
Sh. Blk Calc
Sh. Lt Gn
TORONTO
Ls. Tn wt Sl: Foss. Sl: Δ
Δ wl Lt Gy.
Sh. Gy Blue Gn
LANSING 3963-1260
VIS: 49
WT: 8.8
WL: 7.2
CHL: 2960
Ls. wl. Sl. ool. Foss Sl: Ch Gy.
Ls. wl. Ch Gy.
Ls Tn Gy. Dns.

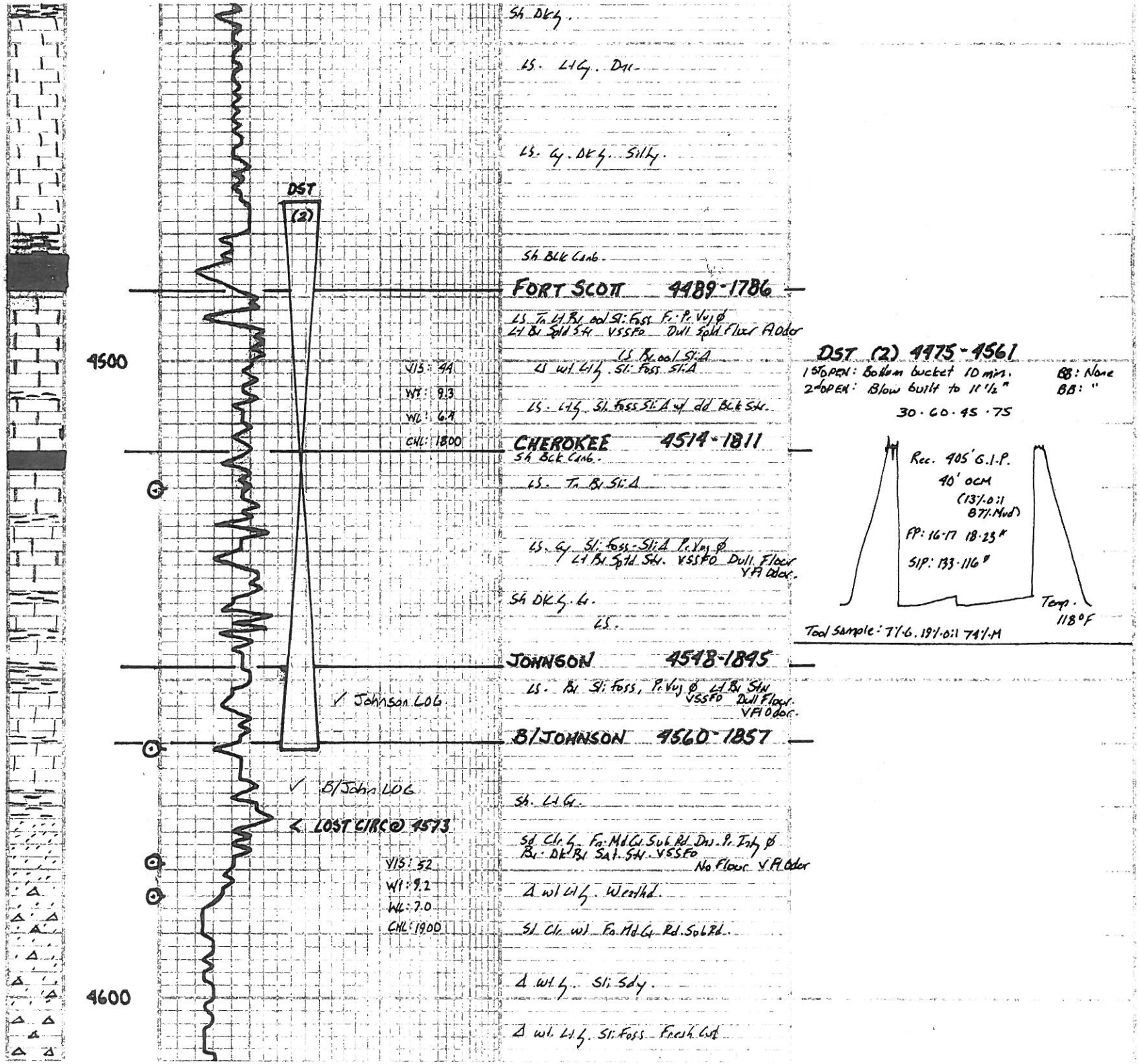

VIS: 49
WT: 8.8
WL: 7.2
CHL: 2900
4000
4100
LS. wh. St. ool. Foss Si: Chlk.
LS. wh. chlk.
LS Tn. Gy. Dns.
Sh DK Gy.
Sh.
LS. Tn wh. ool.
Sh. Gy.
LS. wh St. Foss: ool chlk.
LS. Tn Si: A
A Gry.
LS. Tn Lt Gy. VSi: Foss Si: A
LS. Tn. Gy. Si. ool Si: A
Sh. Blue: Gy
LS. Tn Gy. Bi ooc.
LS wh. chlk.

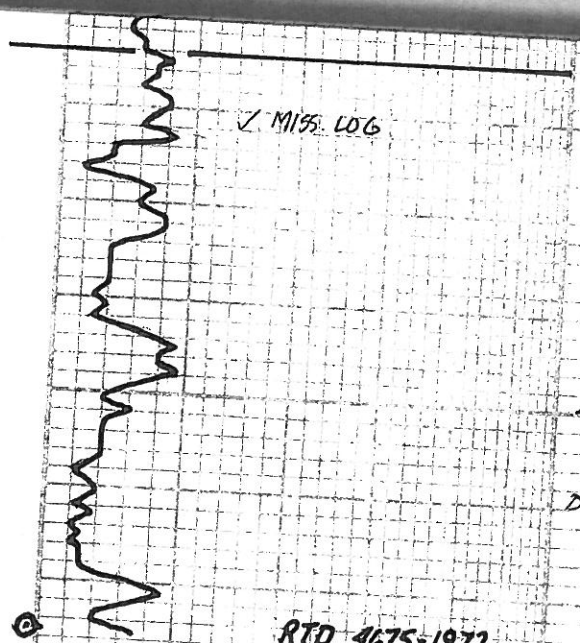


PIPE STRAP Strap 1308.83


LS Tn Lt Dk.
STARK 4234-1531
Sh Blk Calc.
LS. wt Lt Gy. sod. Sl. Chlk.
LS wt V Chlk.
LS. Tn wt. Sl. Chlk.
DST (1)
HUSHPUCKNEY 4272-1569
Sh Blk Calc.
LS Br V Sl. Foss.
Sh. Lt Gy. Gn.
LS. Tn Lt Gy. V Sl. Foss Sl. Δ
LS. Tn Sl. Δ w/ Calcite Stks.
LS. Tn Lt Gy. Sl. Δ
4300
VIS: 52 WT: 9.2
WL: 5.6 CHL: 1400
BKC 4315-1612
Sh. Gy.
Sh. Lt Gy Gy Slty.
LS. Br V Sl. Foss Sl. Δ
Sh Rd Br Lt Gy Slty.
MARMATON 4342-1639
LS. Tn Sl. Foss Calcitic.
Sh. Lt / Gy Slt.
PIPE STRAP Strap 4308.83
Board 4307.70
+1.13
DST (1) 4270-4303
1st OPEN: 3/4" Blow
2nd OPEN: Surf. Blow, Intermittent
30 · 60 · 45 · 75
Rec. 2' Mud
FP: 1-6
1-6 #
SIP: 373-263#
Temp.
116°F


Ls. Tn Lt Gy. Yellow Si: Foss - Foss.
Ls: wi Lt Gy. w/ Rd Sh Ind. - Si. Ls.
Sh. Lt Gy.
Ls Lt Gy. Si: Foss. P. Vis. Ø
DK Br. Spkl 1/Sh VSSFo. No Flour. No Odor.
1400
Ls. wi Tn. Si. A
Ls: Gy. Si: A
Sh. Gy
Ls. Tn Lt Br. Si: A
Sh. DK Gy.
Ls. Lt Gy. Dnc.
Ls. Gy. DK Gy. Silty.
DST (2)
Sh. Blk Calc.
FORT SCOTT 4489-1786
Ls Tn Lt Br. ool Si: Foss F: P. Vu Ø
Lt Br Spkl Sft. VSSFo Dull Spkl Flour A Odor
Ls Br. ool. Si: A
Ls wi Lt Gy. Si: Foss Si: A
1500
VIS: 44
WT: 9.3
DST (2) 4475-4561
1ST OPEN: Bottom bucket 10 min. BB: None
2nd OPEN: Blow built to 11 1/2" BA: "


DST
(2)
4500
4600
VIS: 44
WT: 9.3
WL: 6.4
CHL: 1800
VIS: 52
WT: 9.2
WL: 7.0
CHL: 1900
✓ Johnson LOG
✓ B/John LOG
< LOST CIRC @ 4573
Sh. Dk Gy.
Ls. Lt Gy. Dnse.
Ls. Gy. Dk Gy. Silty.
Sh. Blk Carb.
FORT SCOTT 4489-1786
Ls. Fn. Lt Bf. occ Sl: Foss. F.-P. Vug Ø
Lt Bf Spld Sh. VSSFO Dull Spld Flor A Odor
Ls Bf. occ Sl: A
Ls wl Lt Gy. Sl: Foss. Sl: A
Ls. Lt Gy. Sl. foss Sl: A wl dd Blk Sh.
CHEROKEE 4514-1811
Sh Blk Carb.
Ls. Fn. Bf. Sl: A
Ls. Gy. Sl: foss.-Sl: A P. Vug Ø
Lt Bf Spld Sh. VSSFO Dull Flor
YFl Odor.
Sh Dk Gy. Gy.
Ls.
JOHNSON 4548-1845
Ls. Bf Sl: foss, P. Vug Ø Lt Bf Stn
VSSFO Dull Flor.
YFl Odor.
B/JOHNSON 4560-1857
Sh. Lt Gy.
Sd Clr Gy. Fn-Md Gr. Sub Rd. Dns. P. Int Ø
Bf: Dk Bf Sat. Sh. VSSFO
No Flor. YFl Odor
Ā wl Lt Gy. Weathd.
Sl Clr. wl Fn. Md Gr. Rd. Sub Rd.
Ā wl Gy. Sl: Sdy.
Ā wl. Lt Gy. Sl: Foss. Fresh Cut
DST (2) 4475-4561
1st OPEN: Bottom bucket 10 min. BB: None
2nd OPEN: Blow built to 11 1/2" BB: "
30 · 60 · 45 · 75
Rec. 405' G.I.P.
40' OCM
(13%:0:1
87%:Mud)
FP: 16-17 18-23 #
SIP: 133-116 #
Temp. 118°F
Tool Sample: 7%:G. 19%:O:1 74%:M



MISSISSIPPI 4614-1911

LS Tn Lt Br Sli ool: ool.

Dol wt Lt Gy. V Fn x Lx Suc.

LS Tn Br Dn

Dol. Tn Lt Gy. V Fn x Lx Suc.

LS Br Gy. V Sl: Foss Sl: A

A wl.

Dol. wt Gy V Fn x Lx Suc. Sl: Foss.

Dol Tn V Fn x Lx Suc.

✓ MISS. LOG

RTD 4675-1972

1700

DEPTH

DRILLING TIME Min./in. or Min./ft.

Rate of Penetration Increase

SAMPLE DESCRIPTIONS

REMARKS

COMPANY RAYMOND OIL COMPANY, INC.

LEASE # 1 PARKER

LOCATION 1700' FNL & 690' FEL SEC. 21 TWP. 18s RGE. 27w

COUNTY LANE STATE KANSAS

ELEVATION: 2703 KB

Date of Production [illegible]

COMPANY RAYMOND OIL COMPANY, INC.

LEASE # 1 PARKER

LOCATION 1700' FNL & 690' FEL SEC 21 TWP 18s RGE 27w

COUNTY LANE STATE KANSAS

ELEVATION: 2703 KB

DRILL STEM TEST REPORT

Raymond Oil Company

P.O. Box 48788
Wichita, Ks 67202

ATTN: Max Lovely

22-20-36w Wichita, Ks

Gerstberger #1

Job Ticket: 51338 **DST#: 2**

Test Start: 2013.03.08 @ 03:02:54

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:23:54
Time Test Ended: 10:58:54

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 60

Interval: 4526.00 ft (KB) To 4570.00 ft (KB) (TVD)
Total Depth: 4570.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

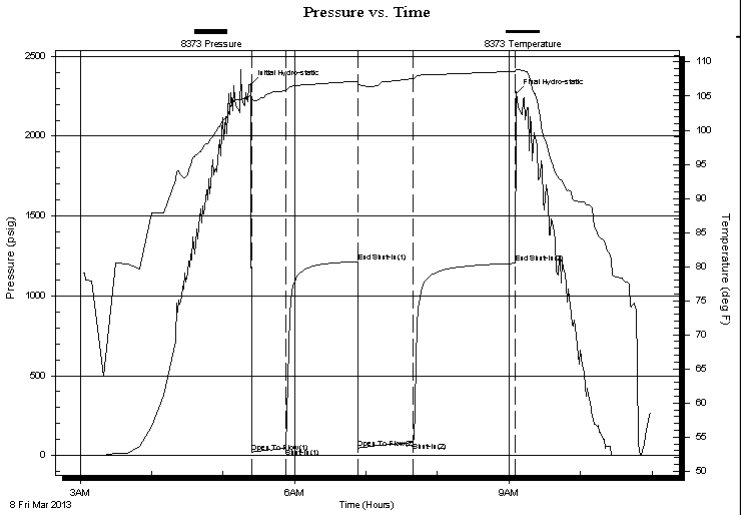
Reference Elevations: 3230.00 ft (KB)
3220.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8373 **Inside**

Press@RunDepth: 82.27 psig @ 4527.00 ft (KB)
Start Date: 2013.03.08 End Date: 2013.03.08
Start Time: 03:02:59 End Time: 10:58:53

Capacity: 8000.00 psig
Last Calib.: 2013.03.08
Time On Btm: 2013.03.08 @ 05:23:24
Time Off Btm: 2013.03.08 @ 09:06:24

TEST COMMENT: IF: Surface blow built to 2 in 30 min.
IS: No return.
FF: Surface blow built to 1/2 in 45 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2321.92	105.30	Initial Hydro-static
1	22.05	104.56	Open To Flow (1)
30	45.48	105.81	Shut-In(1)
90	1214.90	107.20	End Shut-In(1)
90	48.02	106.68	Open To Flow (2)
136	82.27	107.55	Shut-In(2)
222	1203.64	108.62	End Shut-In(2)
223	2268.47	108.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	mud 100%m	0.59

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Company

P.O. Box 48788
Wichita, Ks 67202

ATTN: Max Lovely

22-20-36w Wichita, Ks

Gerstberger #1

Job Ticket: 51338 **DST#: 2**

Test Start: 2013.03.08 @ 03:02:54

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	mud 100%m	0.590

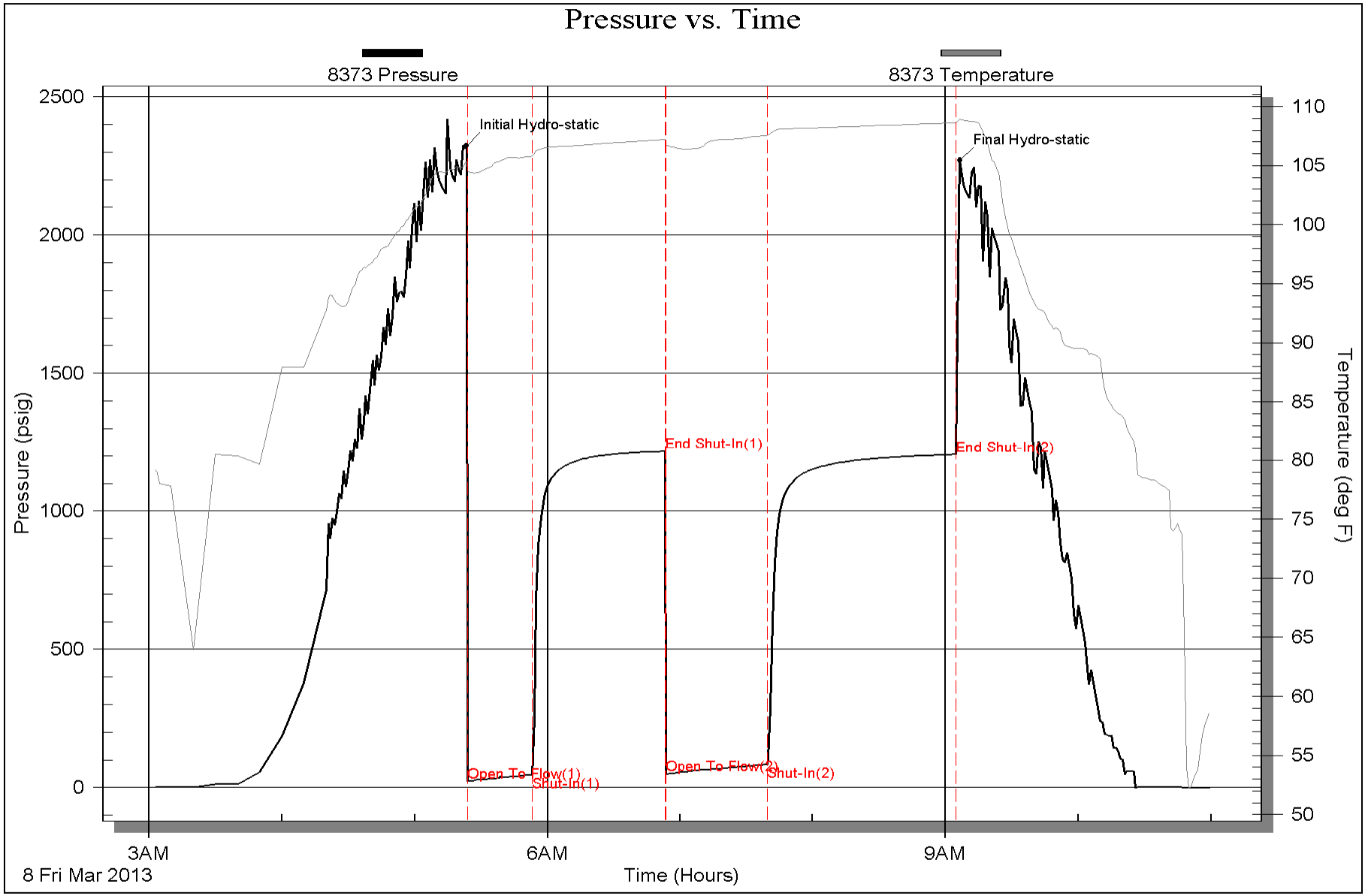
Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8373 **Inside** Raymond Oil Company Gerstberger #1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 51338 Printed: 2013.03.08 @ 11:26:23

DRILL STEM TEST REPORT

Raymond Oil Company

P.O. Box 48788
Wichita, Ks 67202

ATTN: Max Lovely

22-20-36w Wichita, Ks

Gerstberger #1

Job Ticket: 51339 **DST#: 3**

Test Start: 2013.03.09 @ 20:24:48

GENERAL INFORMATION:

Formation: **Atoka**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:47:18
Time Test Ended: 04:41:48

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 60

Interval: 4809.00 ft (KB) To 4833.00 ft (KB) (TVD)
Total Depth: 4833.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

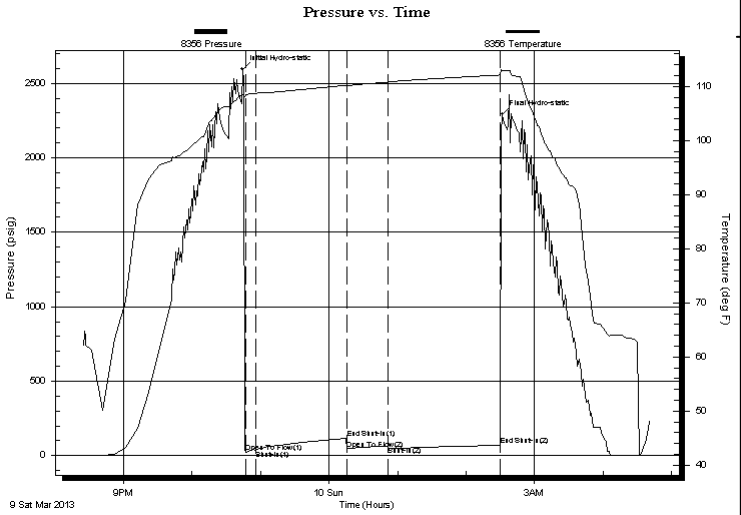
Reference Elevations: 3230.00 ft (KB)
3220.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8356 **Outside**

Press@RunDepth: 65.05 psig @ 4810.00 ft (KB)
Start Date: 2013.03.09 End Date: 2013.03.10
Start Time: 20:24:53 End Time: 04:41:47

Capacity: 8000.00 psig
Last Calib.: 2013.03.10
Time On Btm: 2013.03.09 @ 22:44:18
Time Off Btm: 2013.03.10 @ 02:31:48

TEST COMMENT: IF: Surface blow died in 10 min.
IS: No return.
FF: No blow .
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2592.91	108.49	Initial Hydro-static
3	22.32	108.43	Open To Flow (1)
11	34.36	108.69	Shut-In(1)
91	116.51	110.20	End Shut-In(1)
92	43.16	110.22	Open To Flow (2)
128	65.05	110.81	Shut-In(2)
226	69.48	112.12	End Shut-In(2)
228	2290.61	113.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Company

P.O. Box 48788
Wichita, Ks 67202

ATTN: Max Lovely

22-20-36w Wichita, Ks

Gerstberger #1

Job Ticket: 51339 **DST#: 3**

Test Start: 2013.03.09 @ 20:24:48

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6600.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

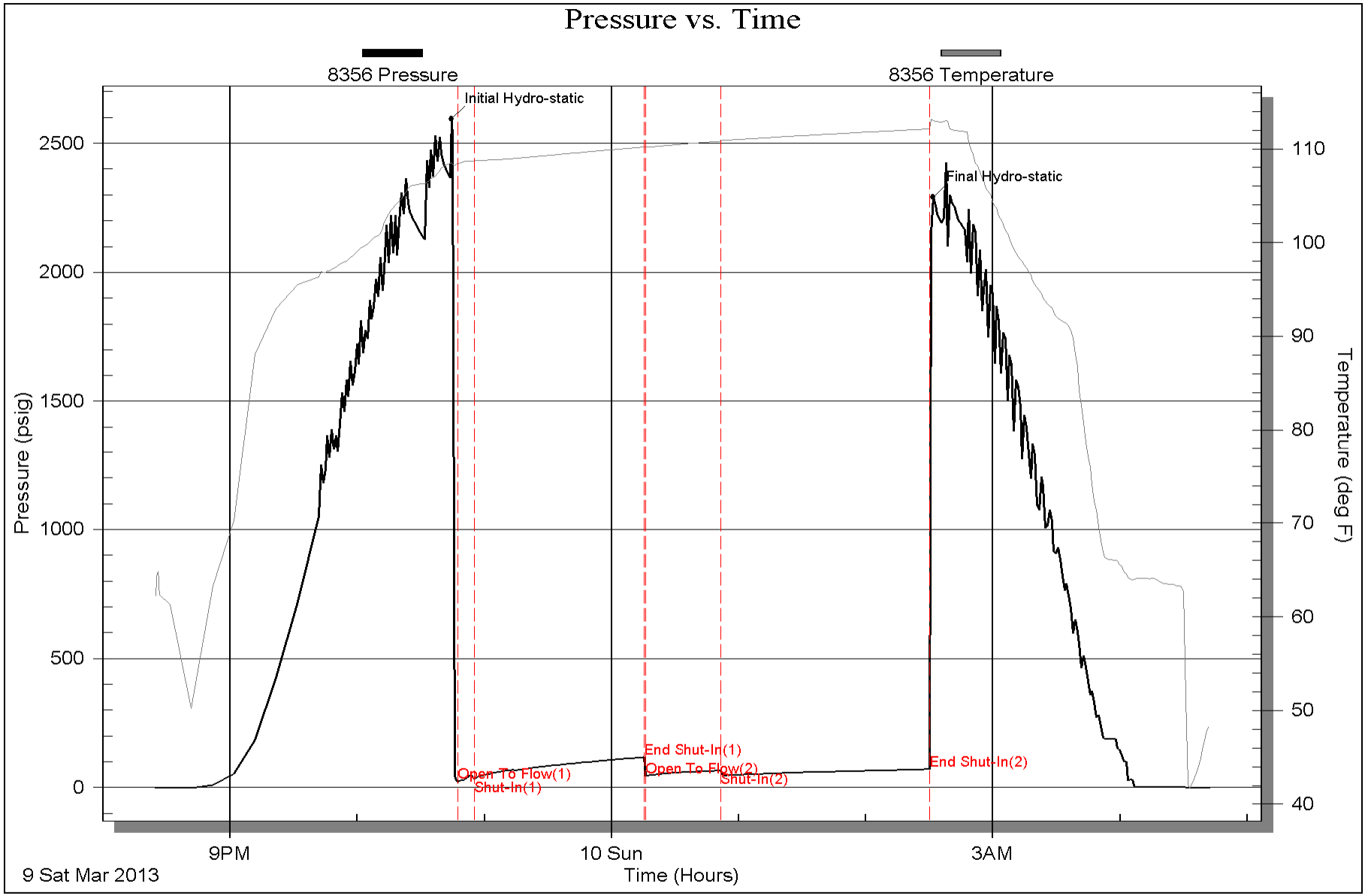
Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8356 **Outside** Raymond Oil Company Gerstberger #1 DST Test Number: 3



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