Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1190927

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: 67201 + 8788
Contact Person: Clarke Sandberg
Phone: (316) 267-4214
CONTRACTOR: License # 6039
Name: L. D. Drilling, Inc.
Wellsite Geologist: Kim Shoemaker
Purchaser: NCRA

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 #:

1/13/2014	1/24/2014	3/7/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-101-22486-00-00
Spot Description:
SE - NW - SE - SW Sec. 4 Twp. 19 S. R. 27 ☐ East ☑ West
755 Feet from ☐ North / ☑ South Line of Section
1660 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: Lane
Lease Name: Hineman Farms Well #: 1
Field Name: Alamota South
Producing Formation: LKC
Elevation: Ground: 2713 Kelly Bushing: 2718
Total Vertical Depth: 4754 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 261 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 2133
feet depth to: 0 w/ 450 sx cmt.

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

Chloride content: 2300 ppm Fluid volume: 3500 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: 03/18/2014
☑ **Confidential Release Date:** 03/17/2016
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 03/19/2014

[redacted] 1190927

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

Sec. 4 Twp. 19 S. R. 27 ☐ East ☑ West County: Lane

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:

micro, dual induc, comp density

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

Name	Top	Datum
B/Any	2101	617
Lans	4017	-1299
Stark Sh	4283	-1565
Hush Sh	4320	-1602
Cher Sh	4560	-1842
Cher Sd	4621	-1903
Miss	4650	-1932

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
surface	12.25	8.625	24	264	Class A	175	3% cc, 2% gel
production	7.875	4.5	14	4748	60/40 poz mix	250	2% salt 3% 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
4	4289-4291	250 gal 15% MCA	

TUBING RECORD: Size: 2.375 Set At: 4308 Packer At: Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 3/14/2014

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	44		0		

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: 4289-91

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

Form	ACO1 - Well Completion
Operator	Raymond Oil Company, Inc.
Well Name	Hineman Farms 1
Doc ID	1190927

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
surface	12.25	8.625	24	264	Class A	175	3% cc, 2% gel
production	7.875	4.5	14	4748	60/40 poz mix	250	2% salt 3% gel

RAYMOND OIL COMPANY, INC.

#1 HINEMAN FARMS

ALAMOTA SOUTH

755' FSL & 1660' FWL

4 19S 27W

LANE KANSAS

L. D. DRILLING, INC.

1-13-14 1-24-14

4751 4754

3515 CHEMICAL

2718

2713

2718 KB

8 5/8" @ 261'

4 1/2" @

DUAL IND., DENS.-N. MICRO

3400 4751

3400 4751

3500 4751

3900 4751

KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	2070 + 648	2069 + 649
B/ANH.	2101 + 617	2100 + 618
STOTLER	3548 - 830	3547 - 829
HEEBNER	3978 - 1260	3978 - 1260
LANSING	4017 - 1299	4020 - 1302
STARK	4283 - 1565	4283 - 1565
MARMATON	4390 - 1672	4390 - 1672
FORT SCOTT	4536 - 1818	4534 - 1816
CHEROKEE	4560 - 1842	4558 - 1840
MISSISSIPPI 'U'	4650 - 1932	4648 - 1930

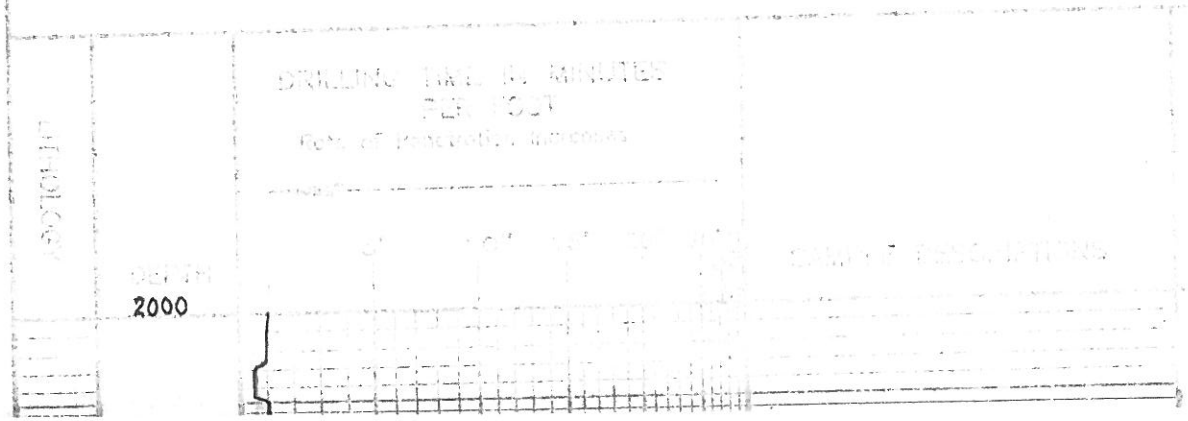
30-60-45-75

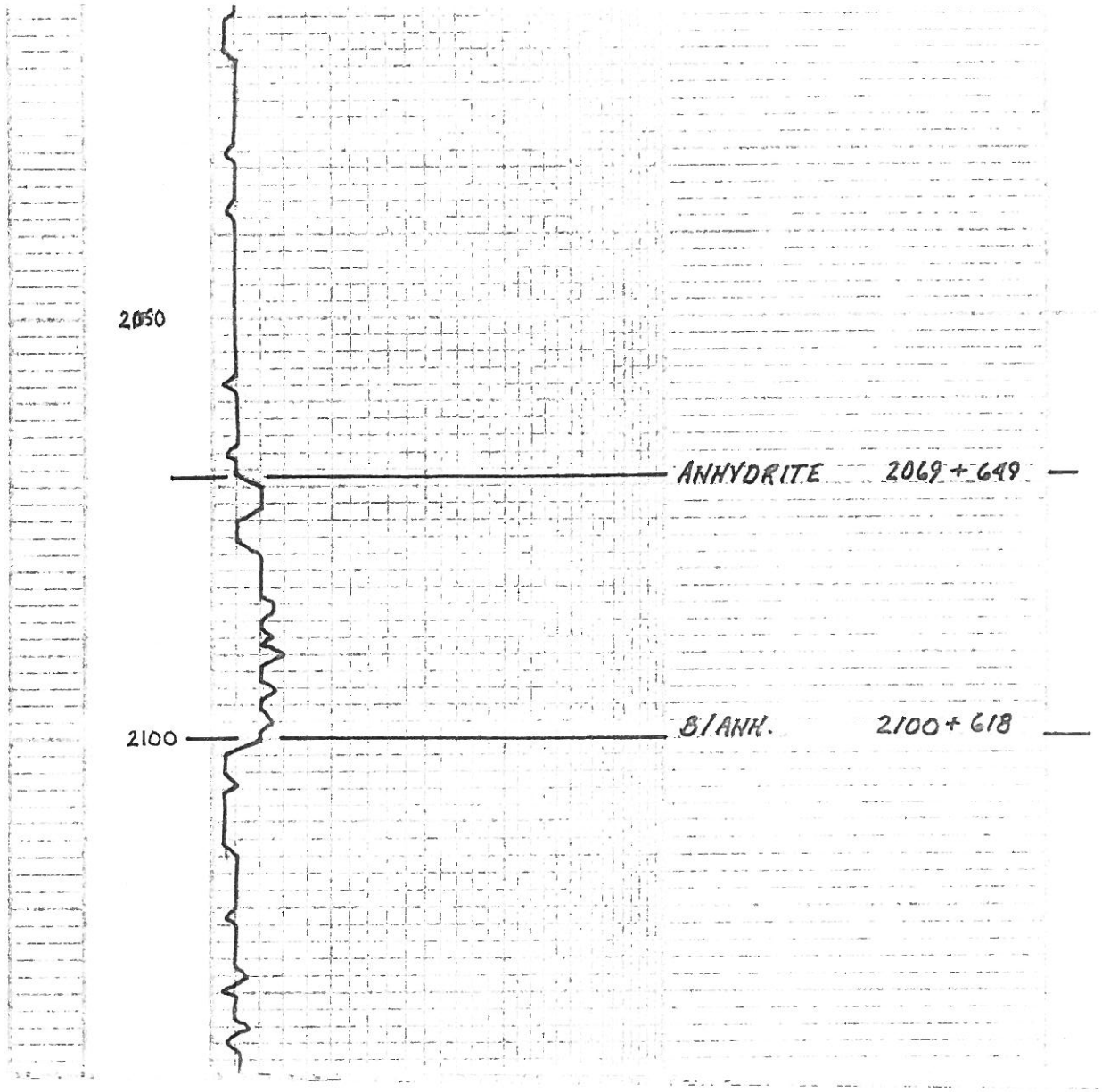
REMARKS

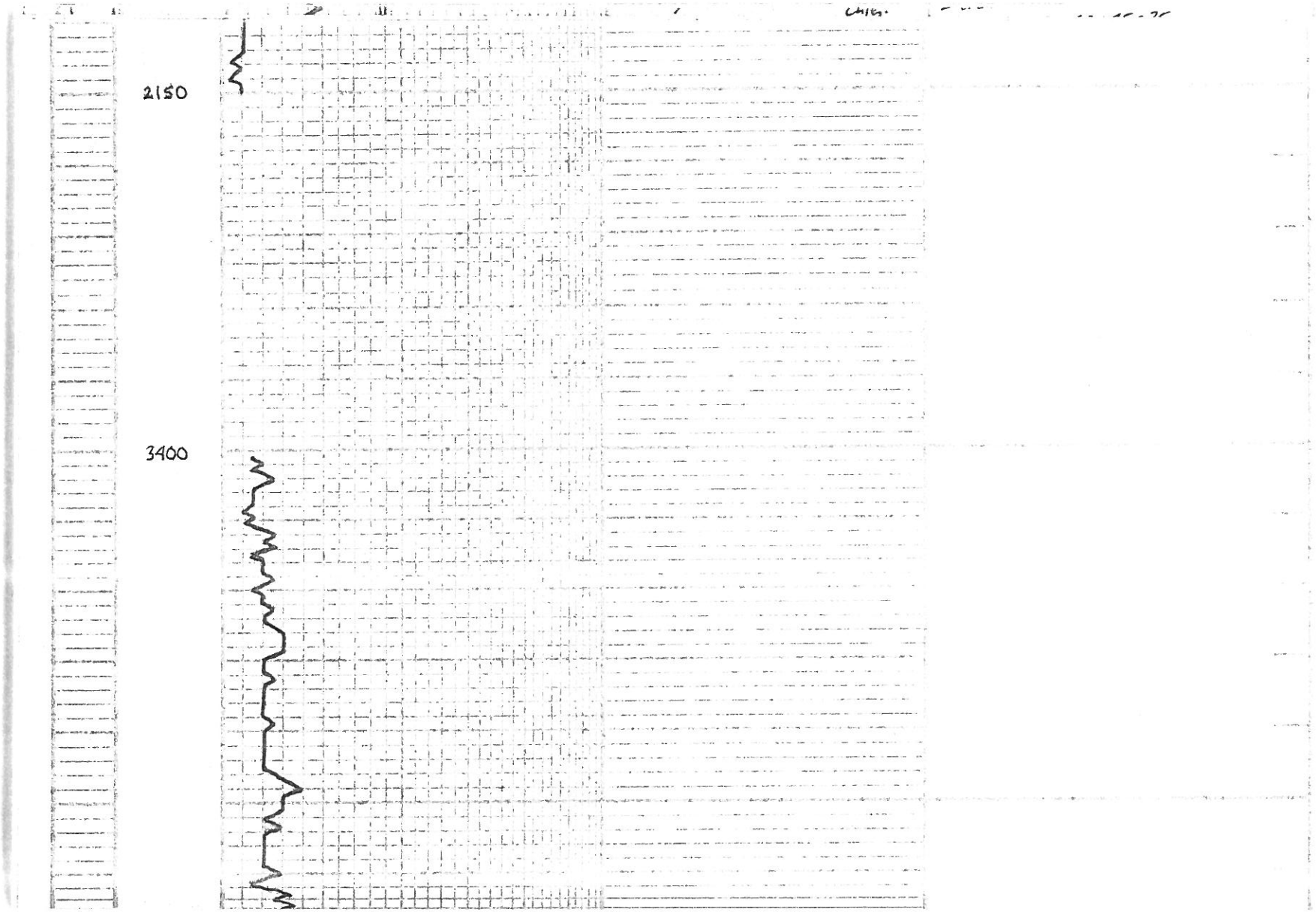
API: 15-101-22486

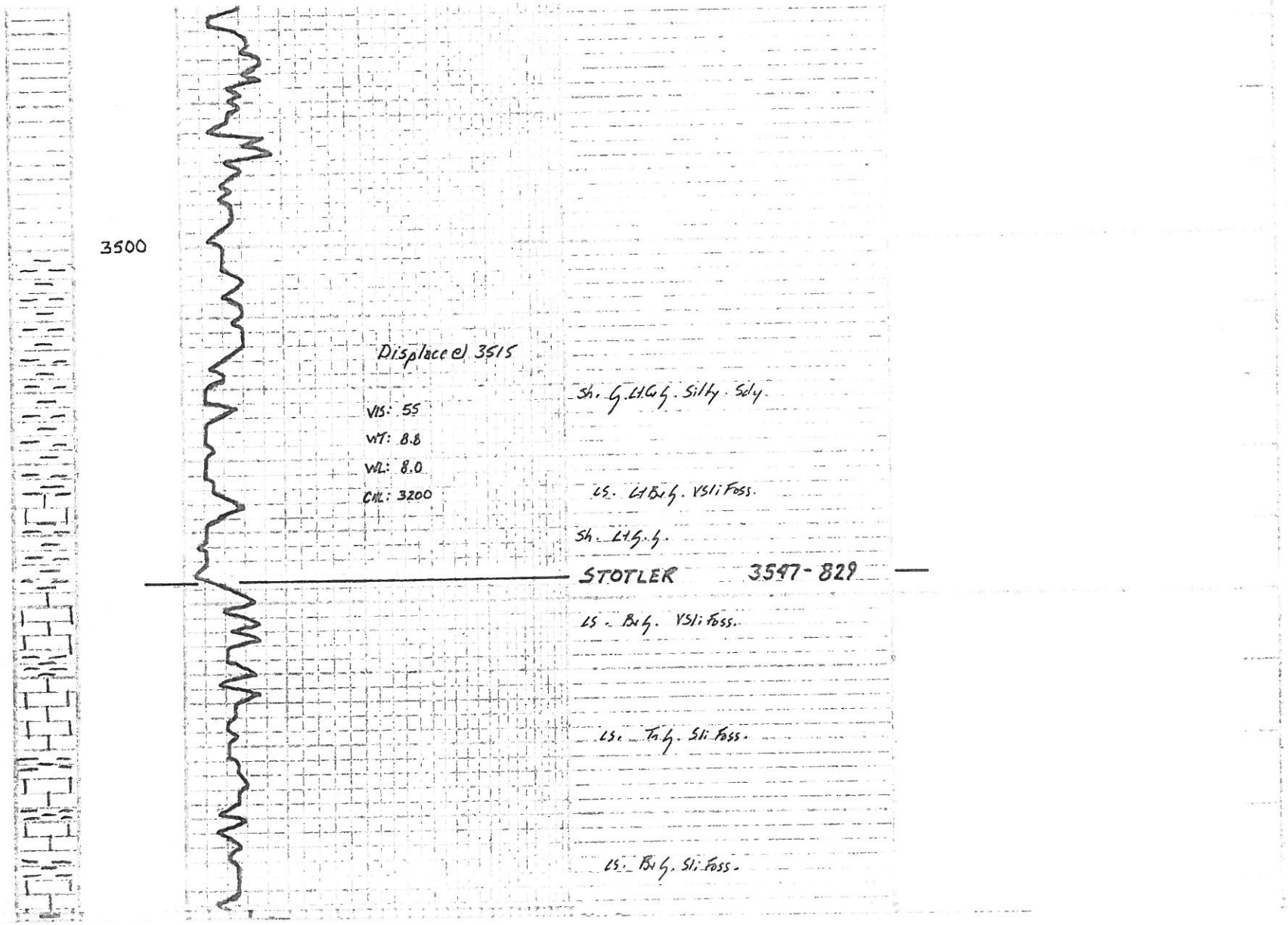
1-13-14 SPUD
1-14 @ 264'
1-15 @ 1315'
1-16 @ 2095'
1-17 @ 2950'
1-18 @ 3960'
1-19 @ 3970'
1-20 @ 4307'
1-21 @ 4553'
1-22 @ 4585'
1-23 @ 4635'
1-24 @ 4751'

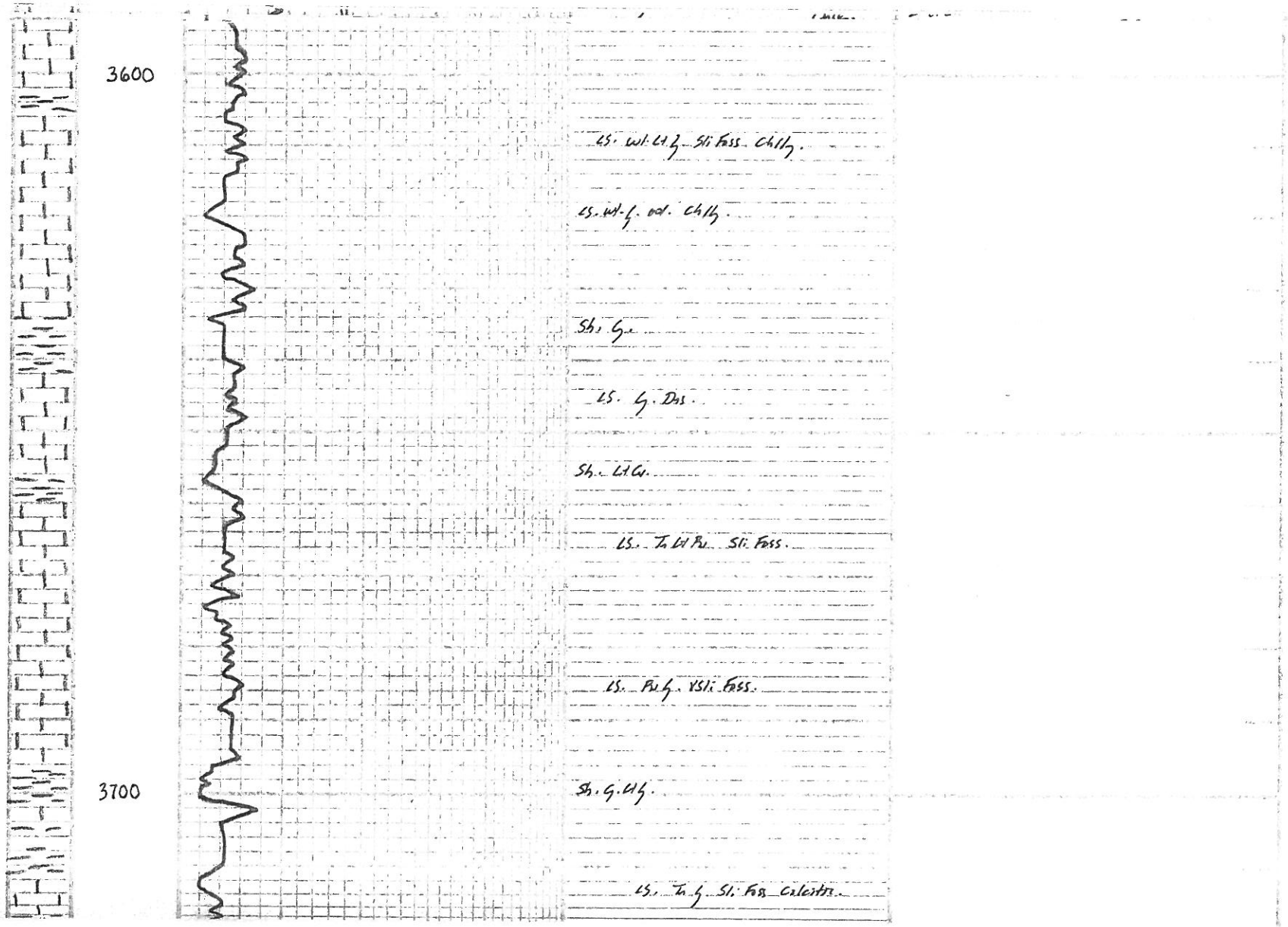
LEGEND

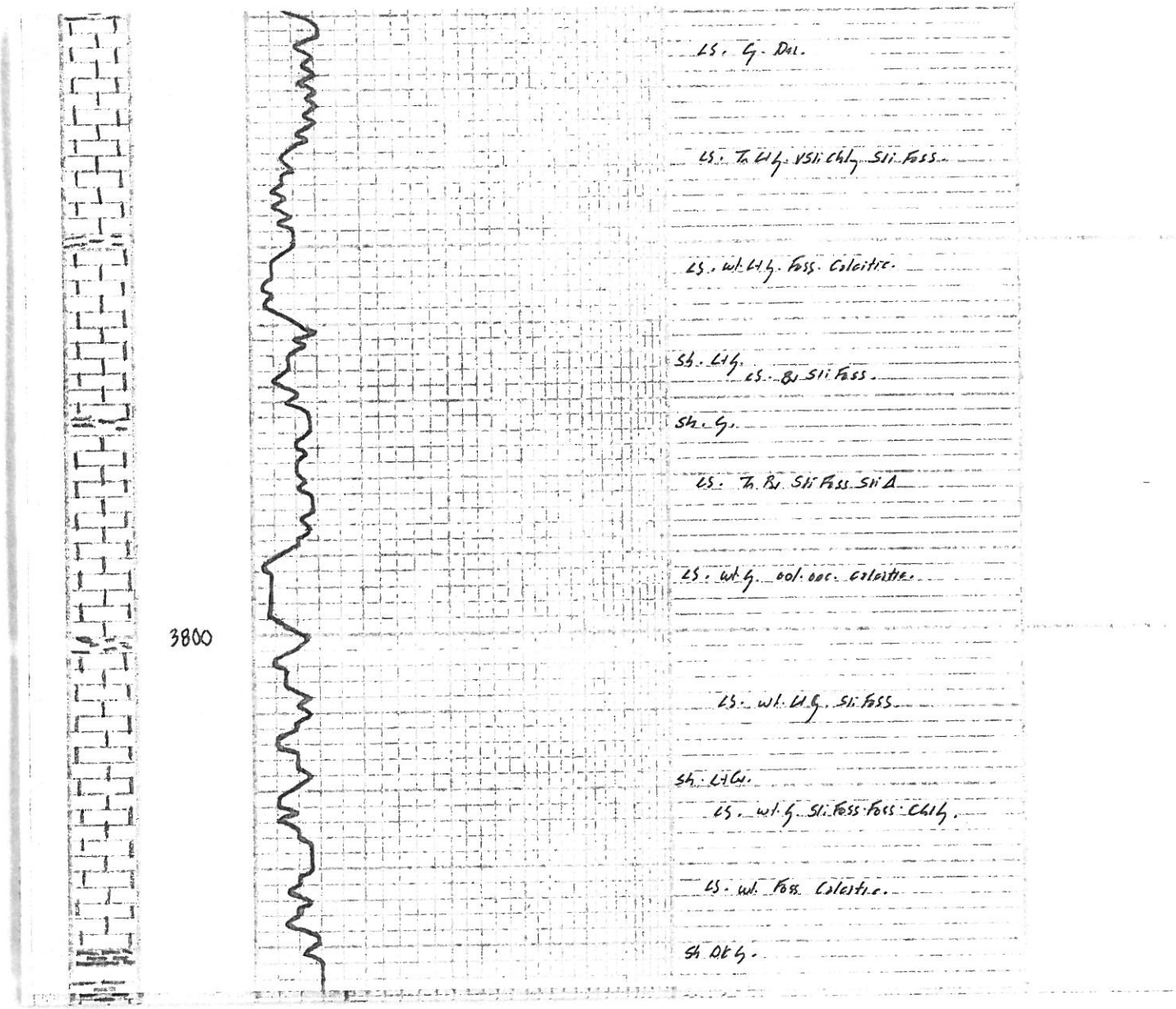


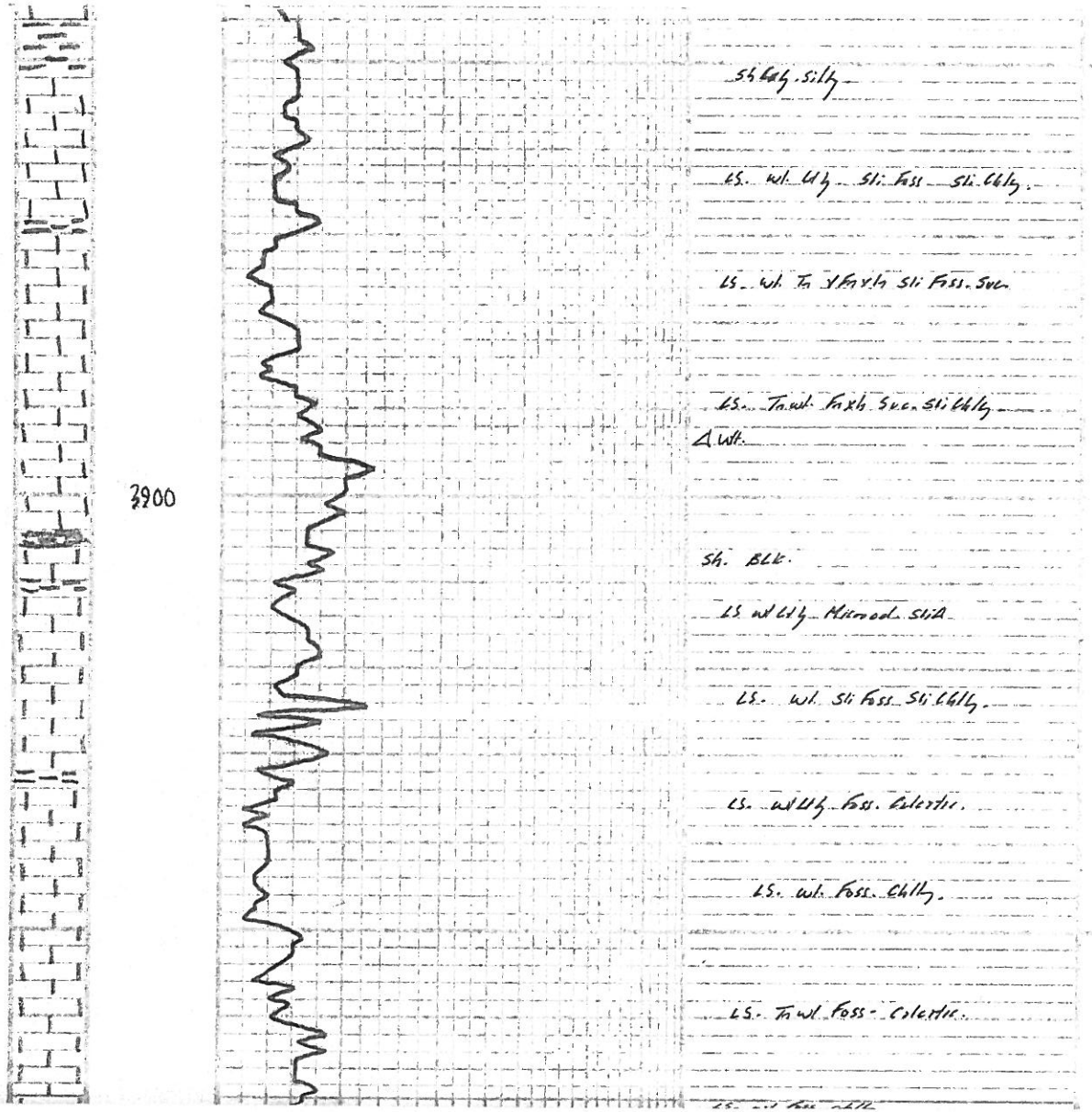

2050
ANHYDRITE 2069 + 649
2100
B/ANH. 2100 + 618

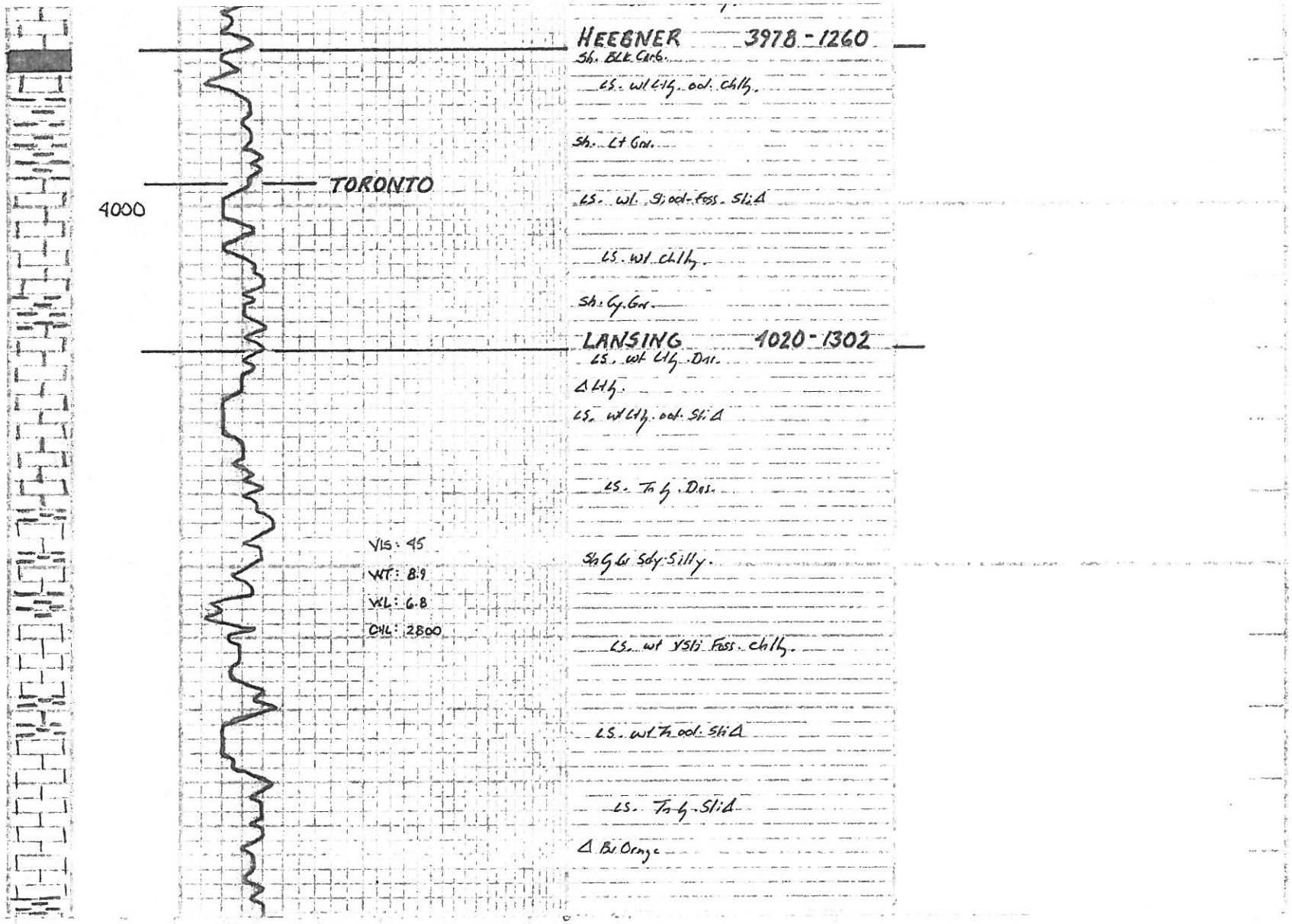

2150
3400

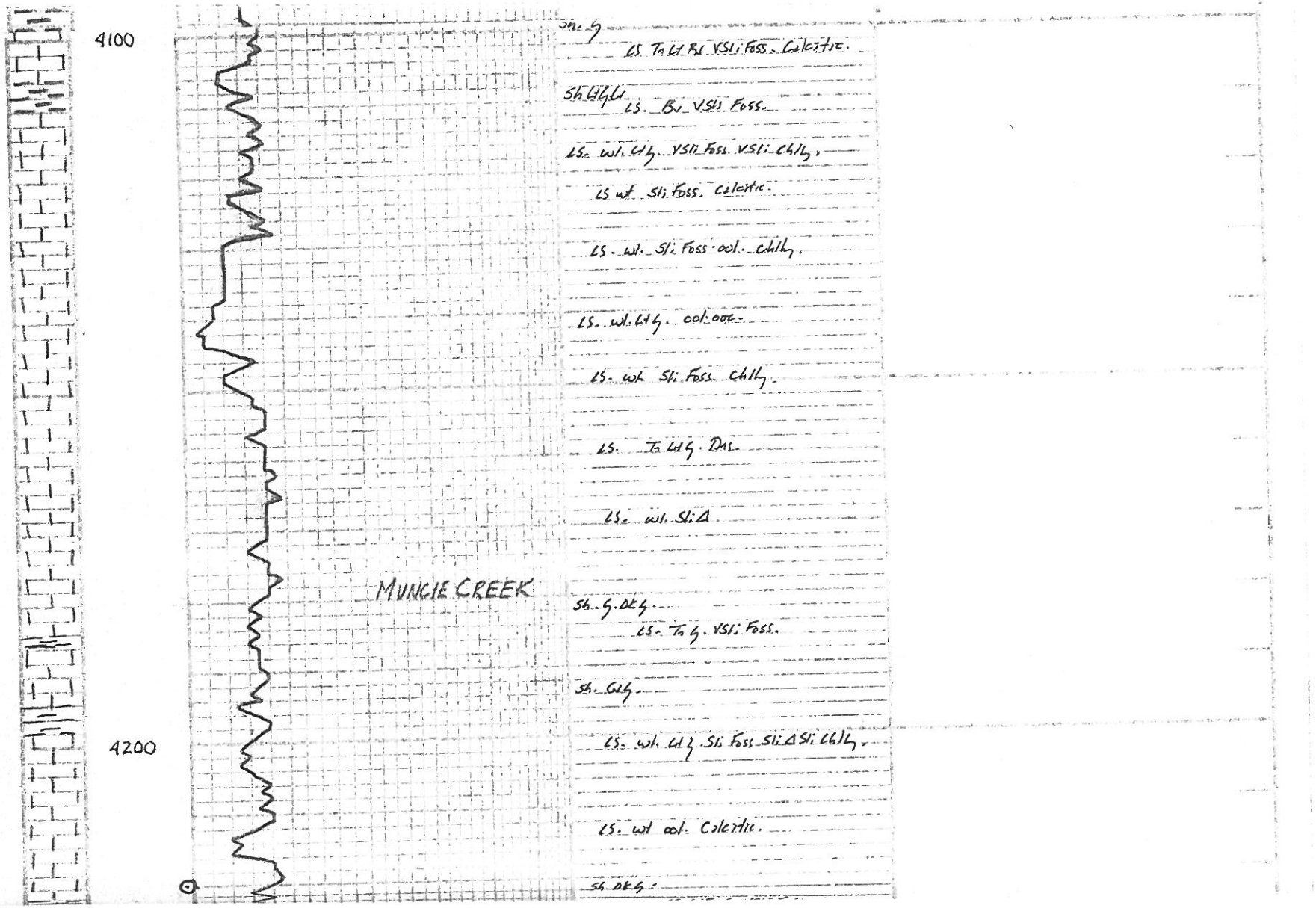

3500
Displaced 3515
VIS: 55
WT: 8.8
WL: 8.0
CHL: 3200
Sh. G. LtGy. Silty. Sdy.
LS. LtBr.Gy. VSli Foss.
Sh. LtGy.
STOTLER 3547-829
LS. Br.Gy. VSli Foss.
LS. Tn.Gy. Sli Foss.
LS. Br.Gy. Sli Foss.

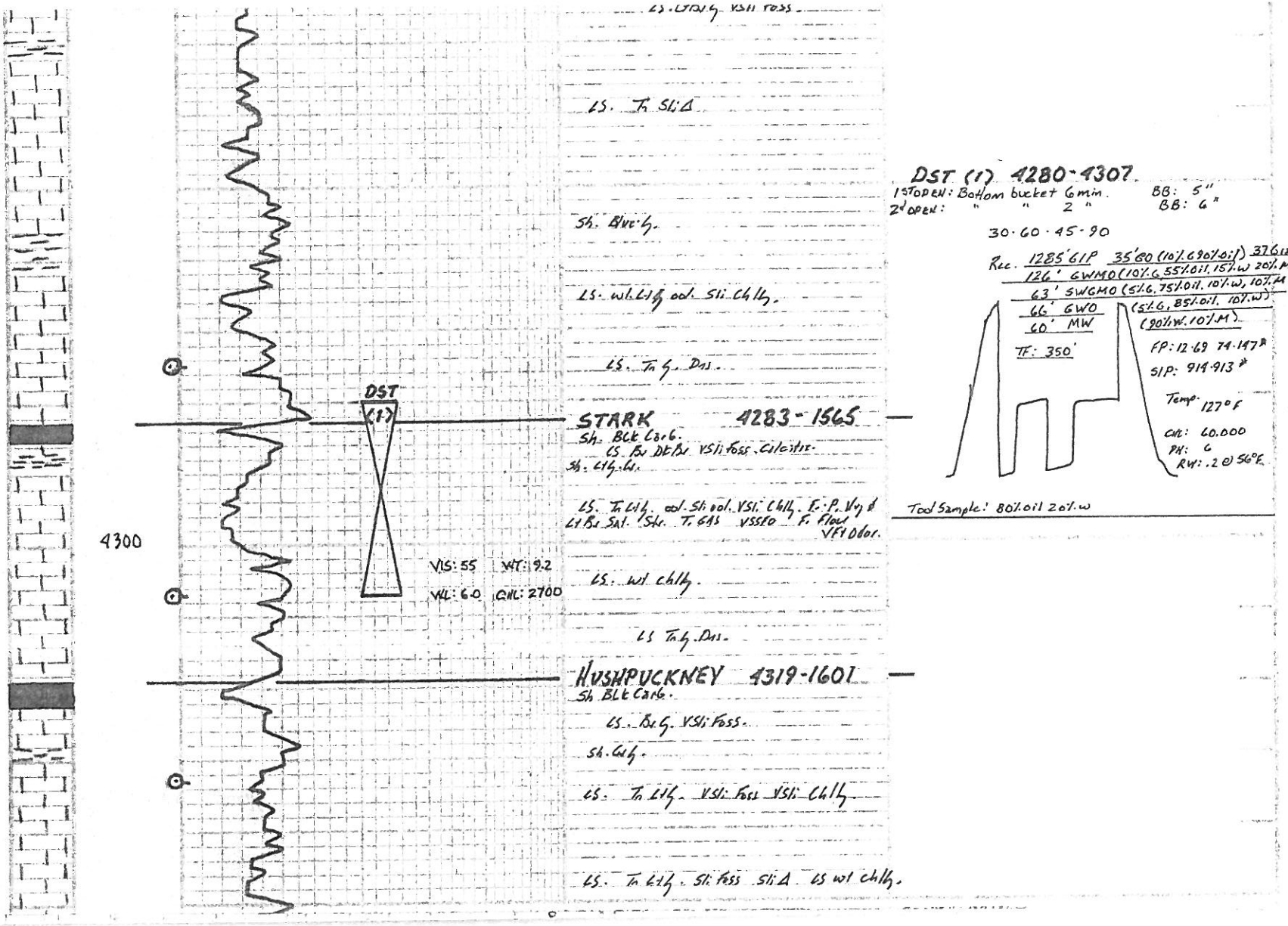

3600
3700
Ls. wh. Lt G. Sli Foss. Chlk.
Ls. wh-G. occ. Chlk.
Sh. G.
Ls. G. Dns.
Sh. Lt G.
Ls. Tn Lt Pu. Sli. Foss.
Ls. Pu G. VSli. Foss.
Sh. G. Mg.
Ls. Tn G. Sli. Foss Calcite.

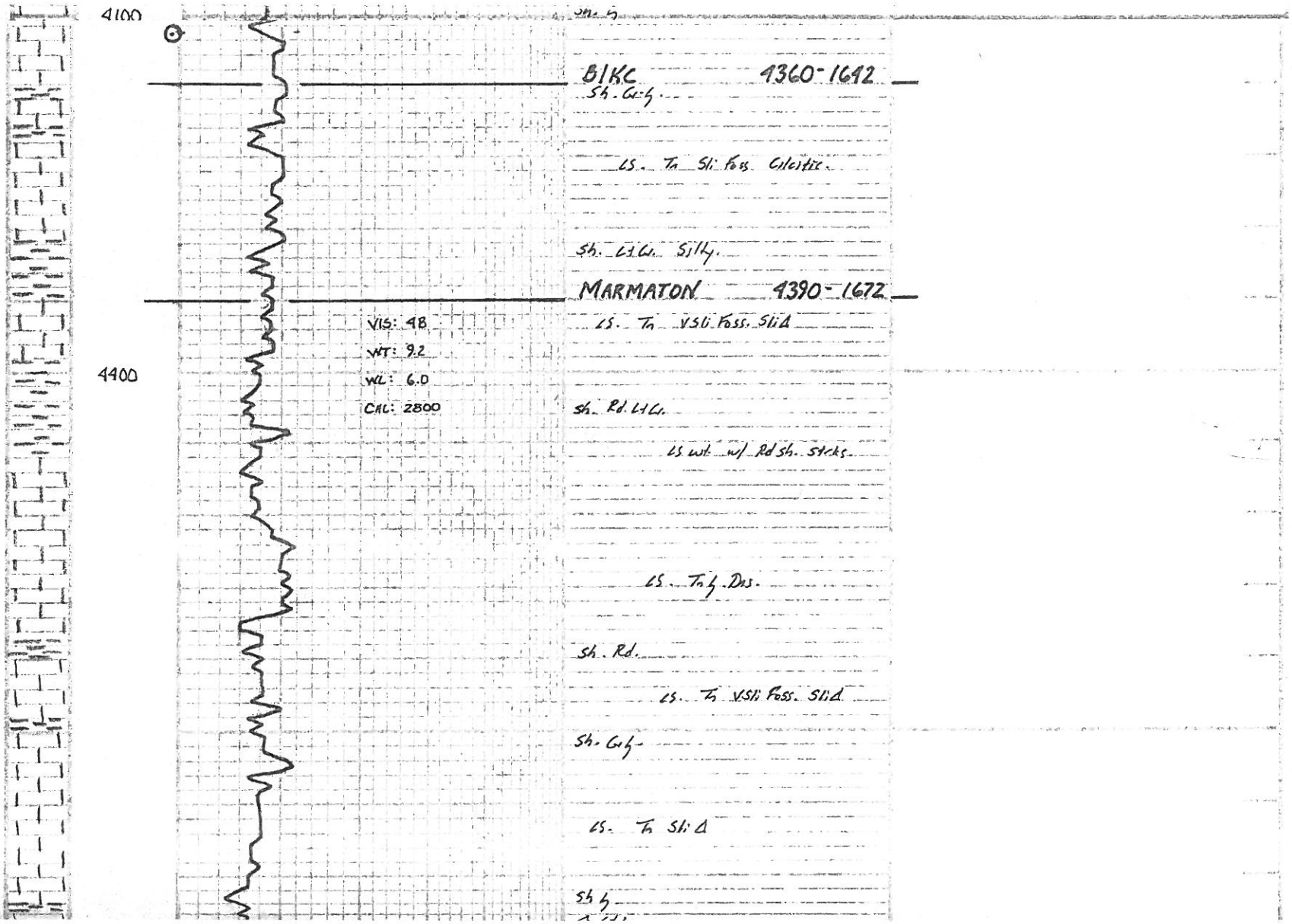

3800
LS. G. Dol.
LS. Th Lt G. vSli Chty. Sli. Foss.
LS. wl. Lt G. Foss. Calcitic.
Sh. Lt G.
LS. Bf. Sli Foss.
Sh. G.
LS. Th. Bf. Sli Foss. Sli A.
LS. wl G. ool. ooc. Calcitic.
LS. wl. Lt G. Sli. Foss.
Sh. LtGr.
LS. wl G. Sli. Foss. Foss. Chty.
LS. wl. Foss. Calcitic.
Sh. Dk G.

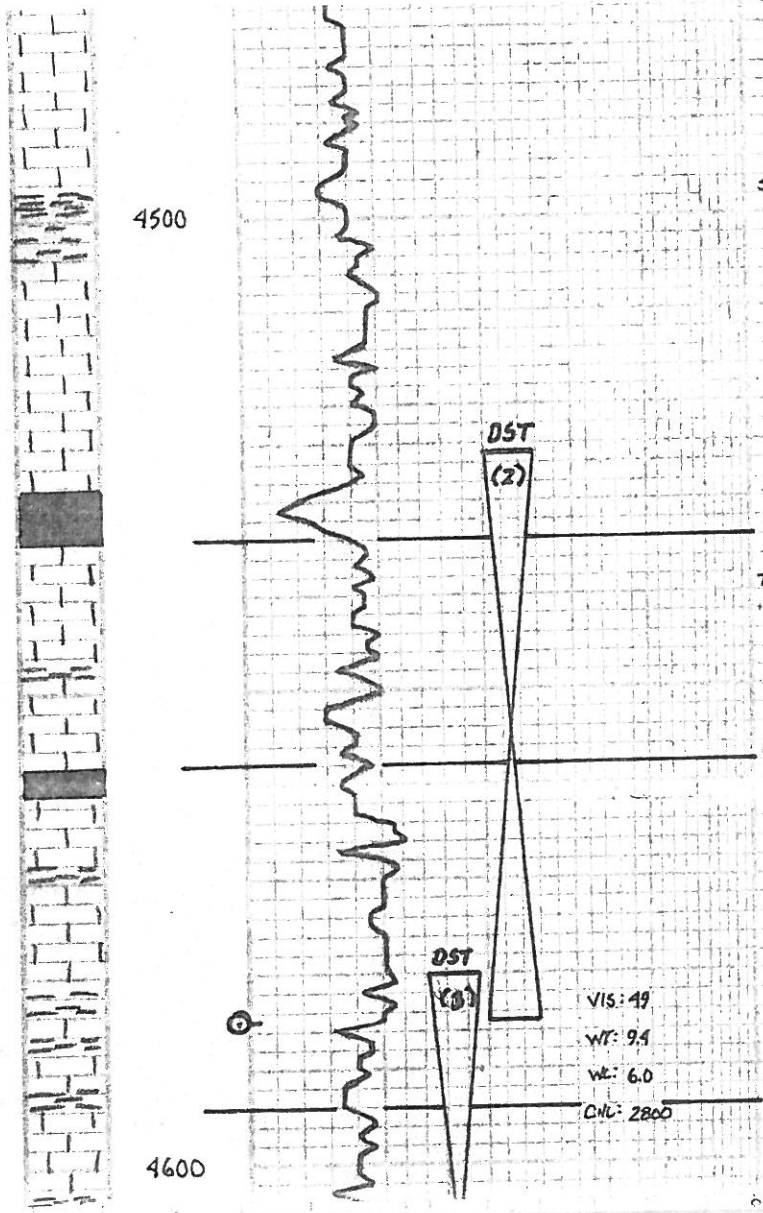

3900
sh. Gry. silty
LS. wl. Gry. sli. foss. sli. Chty.
LS. wl. Tn Yish sli foss. suc.
LS. Tn wl. Fossh. suc. sli Chty.
Δ wk.
sh. BLK.
LS. wl Gry. Microd. sli.
LS. wl. sli foss. sli Chty.
LS. wl Gry. foss. Colestic.
LS. wl. foss. Chty.
LS. Tn wl. foss. Colestic.


HEEGNER 3978 - 1260
Sh. Blk Carb.
LS. wl Lt Gy. ool. chlk.
Sh. Lt Grn.
LS. wl. Sl ool-foss. sli A
LS. wl. chlk.
Sh. Gy. Grn.
LANSING 4020 - 1302
LS. wt Lt Gy. Dns.
A Lt Gy.
LS. wt Lt Gy. ool. sli A
LS. Tn Gy. Dns.
Sh Gy Grn Sdy. Silty.
LS. wt vsli foss. chlk.
LS. wt Tn ool. sli A
LS. Tn Gy. sli A
A Br Orng
TORONTO
4000
VIS: 45
WT: 8.9
WL: 6.8
CHL: 2800


4100
MUNCIE CREEK
4200
Sh. Gy
LS. Tn Lt Bf. VSli Foss. Celestite.
Sh. Gy Gy
LS. Bf. VSli Foss.
LS. wt. Gy. VSli Foss. VSli Chty.
LS wt. Sli Foss. Celestite.
LS. wt. Sli Foss. ool. chty.
LS. wt. Lt Gy. ool. ooc.
LS. wt. Sli Foss. chty.
LS. Tn Lt Gy. Dol.
LS. wt. Sli Δ.
Sh. Gy. Dk Gy.
LS. Tn Gy. VSli Foss.
Sh. Gy Gy.
LS. wt. Lt Gy. Sli Foss. Sli Δ Sli Chty.
LS. wt ool. Celestite.
Sh. Dk Gy.


DST (1) 4280-4307.
1ST OPEN: Bottom bucket 6 min. BB: 5"
2d OPEN: " " 2 " BB: 6"
30-60-45-90
Rec. 1285' GIP 35' GO (10% G 90% O:) 376 GV.
126' GWMO (10% G, 55% Oil, 15% W 20% M)
63' SWGMO (5% G, 75% Oil, 10% W, 10% M)
66' GWO (5% G, 85% Oil, 10% W)
60' MW (90% W, 10% M)
TF: 350'
FP: 12-69 74-147 #
SIP: 914-913 #
Temp. 127° F
Cht: 60,000
PH: 6
RW: .2 @ 56° F
Tool Sample: 80% oil 20% w
DST (1)
4300
VIS: 55 WT: 9.2
WL: 6.0 CHL: 2700
LS. Grn Lt Vsli Foss.
LS. Tn Sli A
Sh. Blue Lt.
LS. wh Lt Lt oo Sli Chty.
LS. Tn Lt. Dns.
STARK 4283-1565
Sh. Blk Carb.
LS. Brn Dk Brn Vsli Foss. Glauc.
Sh. Lt Gy. Wx.
LS. Tn Lt Gy. oo. Sli oo. Vsli Chty. F. P. Vug & Lt Brn Sat. Shr. T. Gas Vsslo F. Flour Vfl Odor.
LS. wl chty.
LS Tn Gy Dns.
HUSHPUCKNEY 4319-1601
Sh Blk Carb.
LS. Brn Gy. Vsli Foss.
Sh. Gy.
LS. Tn Lt Gy. Vsli Foss Vsli Chty
LS. Tn Lt Gy. Sli Foss Sli A LS wl chty.


4100
4400
B/KC 9360-1692
Sh. Gy.
Ls. Tn Sli. Foss. Calcitic.
Sh. Lt Gy. Silty.
MARMATON 9390-1672
Ls. Tn VSli Foss. Sli A
VIS: 48
WT: 9.2
WL: 6.0
CAL: 2800
Sh. Rd. Lt Gy.
Ls wt w/ Rd sh. stks.
Ls. Tn Gy. Dns.
Sh. Rd.
Ls. Tn VSli Foss. Sli A
Sh. Gy.
Ls. Tn Sli A
Sh Gy.



LS. Tn wh. VSli foss. VSli A

Sh. Dk Gy.

Sh Lt Gy. L

LS. G. VSli foss VSli A

LS G. Fnely Silty.

Sh Blk Carb.

FORT SCOTT 4534-1816

LS. Tn Br ool. Sli A Pr Vug ϕ Lt Br Spld Sty. T. Cas T. Fo Dull Flour. No Odor. Mostly Burrow Brool. LS.

LS Tn G VSli Foss Sli A

LS. Tn G. Foss. Pr Vug ϕ Spld Dk Br Sli dd Sty T. Cas, T. Fo Dull Flour No Odor

CHEROKEE 4558-1840

Sh Blk Carb. Δ Tn Br ool.

LS. Lt G. Dns. VSli Chty.

LS. G. Dns.

Sh. Dk G.

LS. Lt Br VSli Foss.

JOHNSON 4594-1876

LS Tn Lt Br Sli Foss. Pr Vis ϕ Br Spld Sty SSFO Dull Flour. VFI Odor.

Lt Gy VSli Foss Sli A ISS

VIS: 49
WT: 9.4
WL: 6.0
CHL: 2800

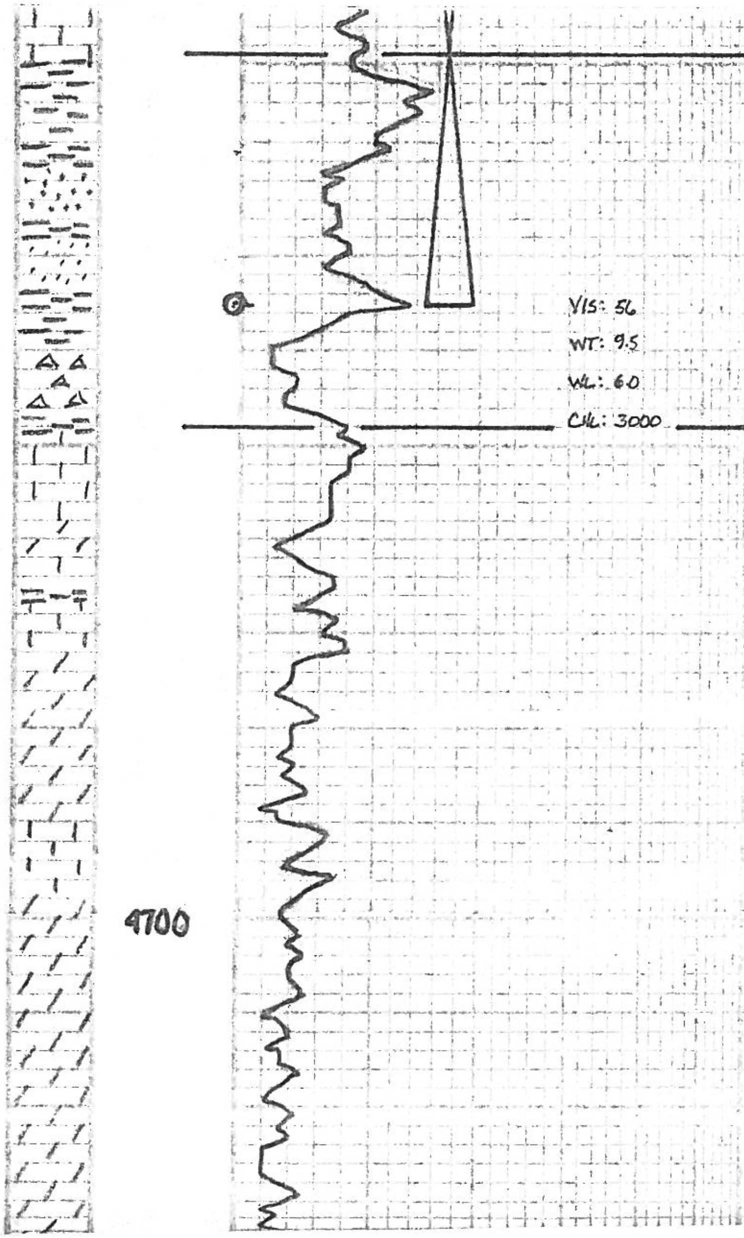
DST (2) 1525-1585

ISTOPEN: Blow built to 1"
2ndOPEN: No Blow
30-60-45-75
Rec. 5' Mud w/oil spks in Tool.

FP: 7-8 B-15 #
SIP: 51-28 #
Temp. 122 °F

DST (3) 1580-1635

ISTOPEN: Surface Blow T/out



Chlty.

B/ JOHNSON 4609-1891

Sh. Lt Blue-Gy Silty

Sd Gy. Dns. Fn Gi Sub Rd P. Intg ϕ
Bi Sat. SH FSFO Dull Flour. No Odor

Sd Clr. wt. Fn-Md-Co Gi Sub Rd Poorly Sorted
Fr-P Intg ϕ Bi Slidd SH. FSFO Slidd FO
Dull Flour. No Odor

Δ Wt. Ltly. Fresh Cut - Foss.

MISSISSIPPI 'U' 4648-1930

LS Tn Lt Br Sli ool. Sli Chlty.

LS Tn Br. Fnxln Suc.

LS. Tn Br. Sli Foss Sli Δ

Dol. Tn Lt Br Vfnxln Suc. VSli Foss.

Dol. Lt Gy Vfnxln Sli Foss. Vuggy.

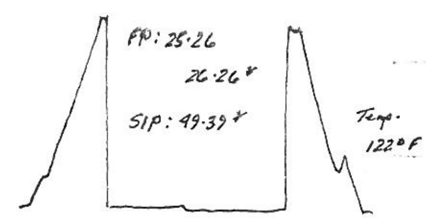
LS Tn Lt Br VSli Foss Sli Δ

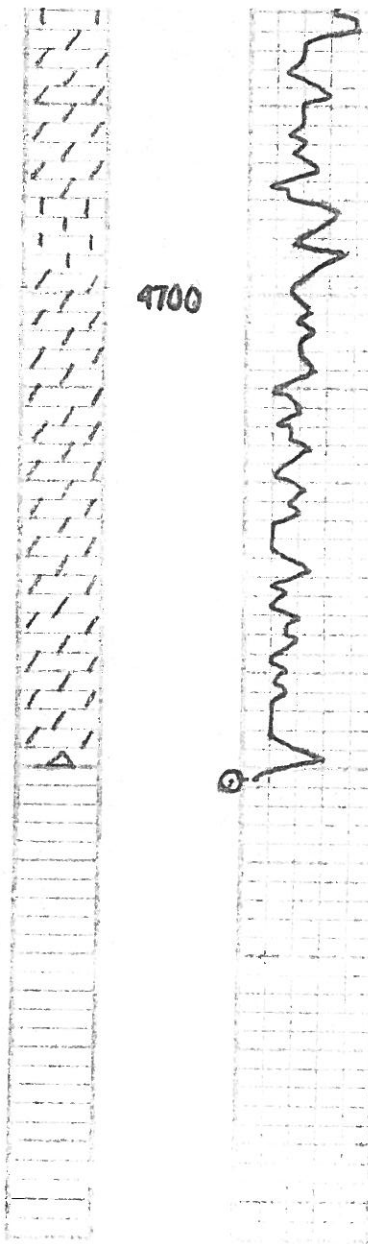
Dol. Tn Fnxln w/ Dk Gy. Incl.

Dol. Tn Lt Gy. Vfnxln VSli Foss Suc.

30 - 60 - 45 - 75

Rec. 5' oil specked Mud





Dol. Tn LtBr VfnxIn Suc. VSli Foss.

Dol. LtGy VfnxIn Sli Foss. Vuggy

LS Tn LtBr VSli Foss Sli Δ

Dol. Tn FnxIn w/ DkGy. Ind.

Dol. Tn LtGy. VfnxIn VSli Foss Suc.

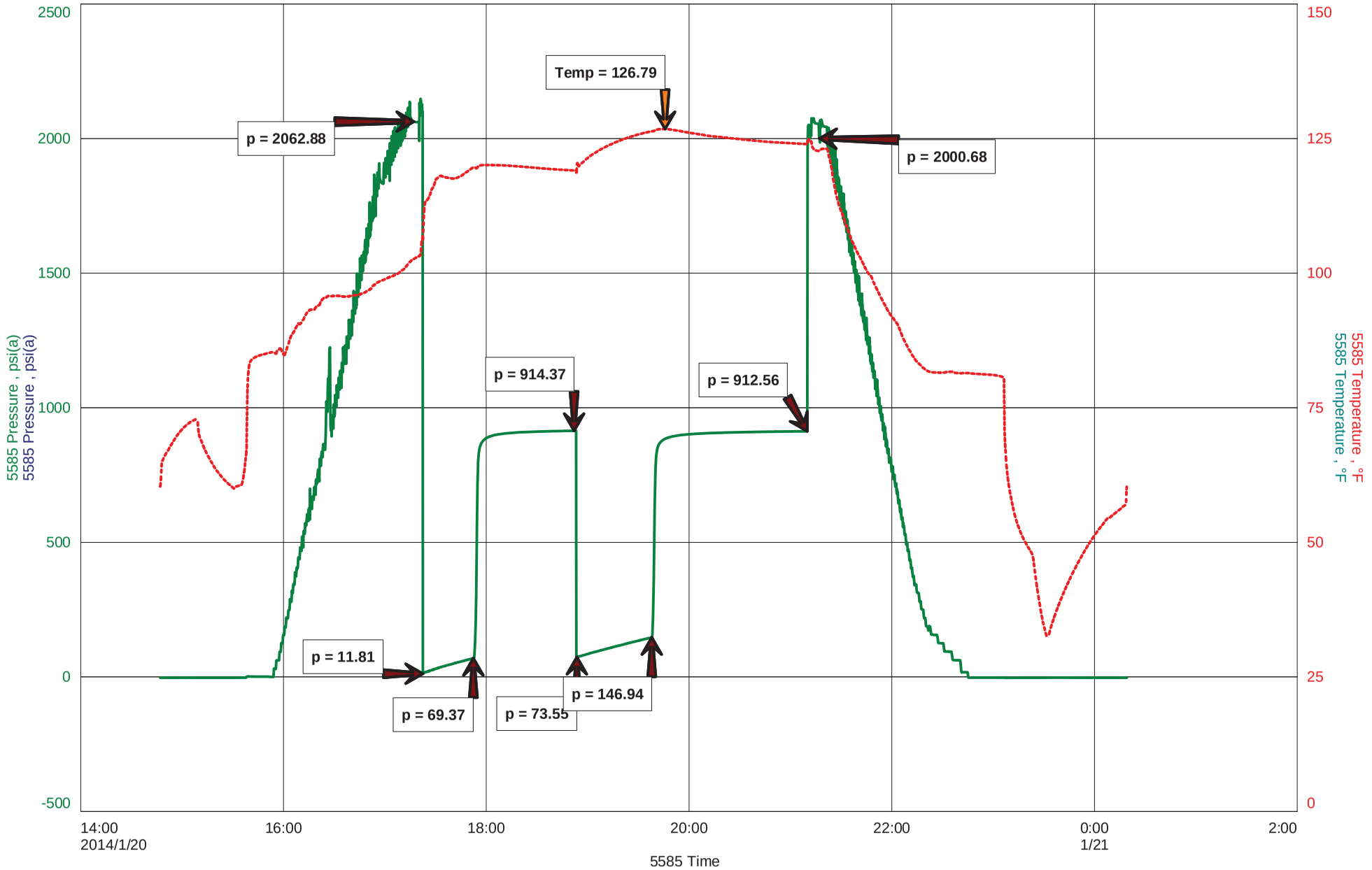
Dol. Gry. FnxIn Sli Glauconitic

RTD 4751-2033 Δ w/ LtGy. Fresh Cut VSli Foss.

Raymond Oil Co. Inc.
DST#1 LKC"200' zone" 4280-4307
Start Test Date: 2014/01/20
Final Test Date: 2014/01/21

#1 Hineman
Formation: DST#1 LKC"200' zone" 4280-4307
Job Number: A006

#1 Hineman



DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

Company Name	Raymond Oil Co. Inc.		
Contact	Clarke T. Sandberg	Job Number	A006
Well Name	#1 Hineman	Representative	ANDY CARREIRA
Unique Well ID	DST#1 LKC"200' zone" 4280-4307	Well Operator	Raymond Oil Co. Inc.
Surface Location	sec 4-19s-27w LANE CNTY, KS	Report Date	2014/01/20
Well License Number		Prepared By	ANDY CARREIRA
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST#1 LKC"200' zone" 4280-4307
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/01/20	Start Test Time	14:47:00
Final Test Date	2014/01/21	Final Test Time	00:20:00

Gauge Name	5585

Test Results

Recovery	1285'	GIP
	35'	GO 10%gas, 90%oil Gravity 37 @ 60
	126'	GW&MCO 10%gas, 55%oil, 15%water, 20%mud
	63'	GW&MCO 5%gas, 75%oil, 10%water, 10%mud
	66'	G&WCO 5%gas, 85%oil, 10%water
	60'	MW 90%water, 10%mud
	350'	Total Fluid

TOOL SAMPLE 80%oil, 20%water

Chlorides 60000
Ph 6
RW .2 @ 56

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

DRILL-STEM TEST TICKET

FILE: #1Hineman DST1

TIME ON: 14:47
TIME OFF: 00:20

Company Raymond Oil Co. Inc. | Lease & Well No. #1 Hineman
Contractor LD Rig #1 | Charge to Raymond Oil Co. Inc.
Elevation 2718 | Formation LKC "200' zone" | Effective Pay ____ Ft. | Ticket No. A006
Date 1-20-14 | Sec. 4 | Twp. 19 S | Range 27 W | County Lane | State KANSAS
Test Approved By ____ | Diamond Representative ANDY CARREIRA

Formation Test No. 1 | Interval Tested from 4280 ft. to 4307 ft. | Total Depth 4307 ft.
Packer Depth 4275 ft. | Size 6 3/4 in. | Packer depth ____ ft. | Size 6 3/4 in.
Packer Depth 4280 ft. | Size 6 3/4 in. | Packer depth ____ ft. | Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4261 ft. | Recorder Number 5585 | Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4279 ft. | Recorder Number 8471 | Cap. 10,000 P.S.I.
Below Straddle Recorder Depth ____ ft. | Recorder Number ____ | Cap. ____ P.S.I.

Mud Type CHEMICAL | Viscosity 55 | Drill Collar Length 0 ft. | I.D. 2 1/4 in.
Weight 9.2 | Water Loss 6.0 cc. | Weight Pipe Length 0 ft. | I.D. 2 7/8 in
Chlorides 2700 P.P.M. | Drill Pipe Length 4248 ft. | I.D. 3 1/2 in
Jars: Make STERLING | Serial Number #1 | Test Tool Length 32 ft. | Tool Size 3 1/2-IF in
Did Well Flow? NO | Reversed Out NO | Anchor Length 27 ft. | Size 4 1/2-FH in
Main Hole Size 7 7/8 | Tool Joint Size 4 1/2 XH in. | Surface Choke Size 1 in. | Bottom Choke Size 5/8 in

Blow: 1st Open: BOB in 6 min. (5"bb)
2nd Open: BOB in 2 min. (6"bb)

Recovered 1285 ft. of GIP
Recovered 35 ft. of GO 10%gas, 90%oil, Gravity 37 @ 60
Recovered 126 ft. of GW&MCO 10%gas, 55%oil, 15%water, 20%mud
Recovered 63 ft. of GW&MCO 5%gas, 75%oil, 10%water, 10%mud
Recovered 66 ft. of G&WCO 5%gas, 85%oil, 10%water
Recovered 60 ft. of MW 90%water, 10%mud Chlorides 60000
Remarks: 350' of TOTAL FLUID Ph 6
RW .2 @ 56
TOOL SAMPLE 80% oil, 20% water

Price Job	
Other Charges	
Insurance	
Total	

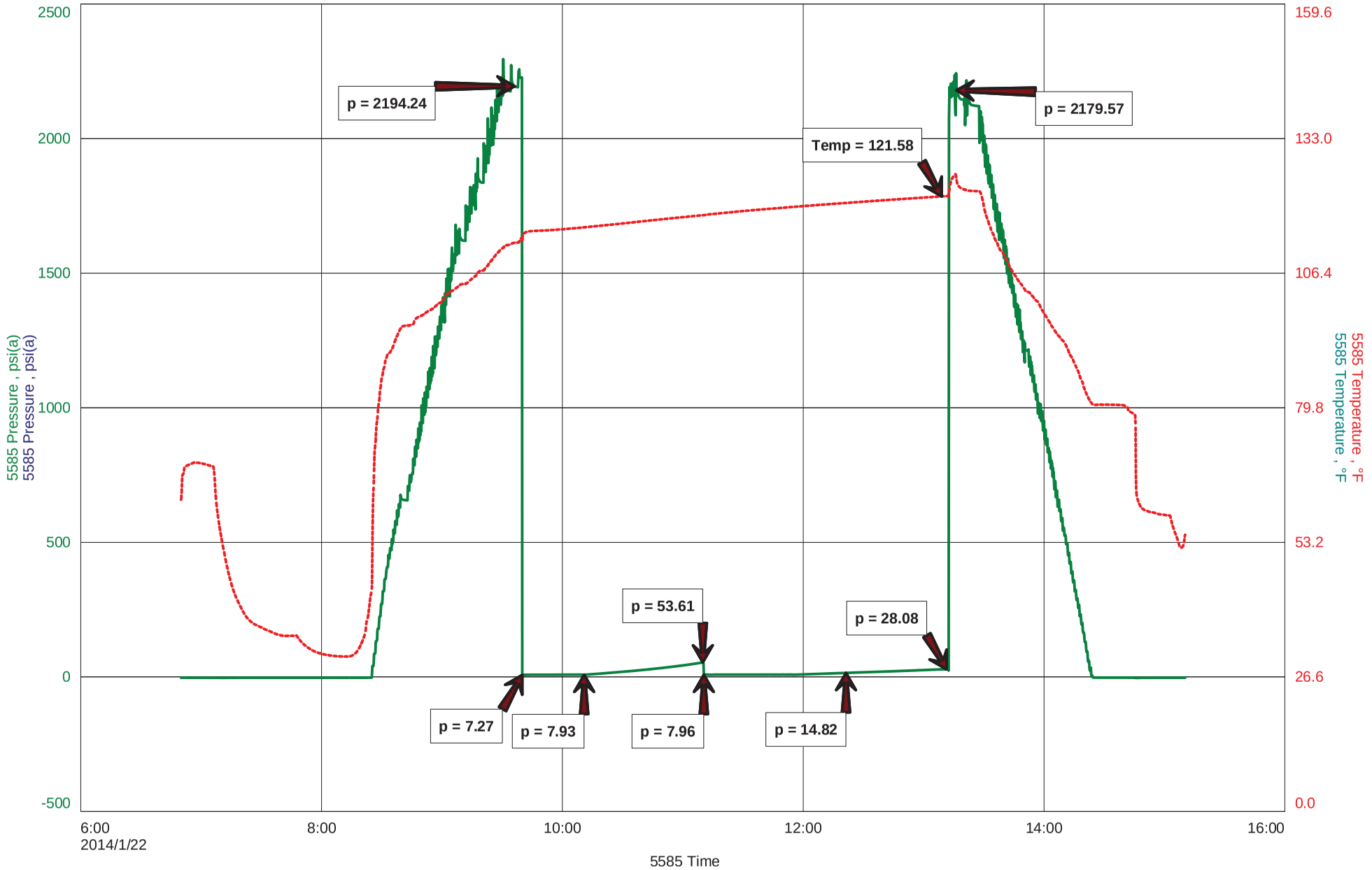
Time Set Packer(s) 5:24PM A.M. P.M. | Time Started Off Bottom 9:09PM A.M. P.M. | Maximum Temperature 127

Initial Hydrostatic Pressure ..... (A) 2063 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 12 P.S.I. to (C) 69 P.S.I.
Initial Closed In Period ..... Minutes 60 (D) 914 P.S.I.
Final Flow Period ..... Minutes 45 (E) 74 P.S.I. to (F) 147 P.S.I.
Final Closed In Period ..... Minutes 90 (G) 913 P.S.I.
Final Hydrostatic Pressure ..... (H) 2001 P.S.I.

Raymond Oil co. Inc.
DST#2 FT SCOTT/ CHER 4525-4585
Start Test Date: 2014/01/22
Final Test Date: 2014/01/22

#1 Hineman
Formation: DST#2 FT SCOTT/ CHER 4525-4585
Pool: WildCAT
Job Number: A007

#1 Hineman



DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

Company Name	Raymond Oil co. Inc.		
Contact	Clarke T Sandberg	Job Number	A007
Well Name	#1 Hineman	Representative	ANDY CARREIRA
Unique Well ID	DST#2 FT SCOTT/ CHER 4525-4585	Well Operator	Raymond Oil Co. Inc.
Surface Location	sec 19-15s-18w Lane Cnty Ks.	Report Date	2014/01/22
Well License Number		Prepared By	ANDY CARREIRA
Field	WILDCAT		
Well Type			

Test Information

Test Type	Conventional
Formation	DST#2 FT SCOTT/ CHER 4525-4585
Well Fluid Type	
Test Purpose	

Start Test Date	2014/01/22	Start Test Time	06:50:00
Final Test Date	2014/01/22	Final Test Time	15:11:00

Gauge Name	5585

Test Results

RECOVERY: 5' MUD W/OIL SPCKS IN TOOL
5' TOTAL FLUID

TOOL SAMPLE: MUD W/ TRACE OIL

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

DRILL-STEM TEST TICKET

FILE: #1Hineman DST2

TIME ON: 06:50

TIME OFF: 15:11

Company Raymond Oil Co. Inc. Lease & Well No. #1 Hineman

Contractor LD Rig #1 Charge to Raymond Oil Co. Inc.

Elevation 2718 Formation FT.SCOTT/CHEROKEE Effective Pay _____ Ft. Ticket No. A007

Date 1-22-14 Sec. 4 Twp. 19 S Range 27 W County Lane State KANSAS

Test Approved By _____ Diamond Representative ANDY CARREIRA

Formation Test No. 2 Interval Tested from 4525 ft. to 4585 ft. Total Depth 4585 ft.

Packer Depth 4520 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4525 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4506 ft. Recorder Number 5585 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4526 ft. Recorder Number 8471 Cap. 10,000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 48 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 6.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 2800 P.P.M. Drill Pipe Length 4493 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number #1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 60 ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: WEAK 1" BLOW (NObb)

2nd Open: NO BLOW (NObb)

Recovered 5 ft. of MUD W/OIL SPCKS IN TOOL

Recovered 5 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: MUD W/ TRACE OIL

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 9:41 AM A.M. P.M. Time Started Off Bottom 1:11 PM A.M. P.M. Maximum Temperature 122

Initial Hydrostatic Pressure..... (A) 2194 P.S.I.

Initial Flow Period..... Minutes 30 (B) 7 P.S.I. to (C) 8 P.S.I.

Initial Closed In Period..... Minutes 60 (D) 54 P.S.I.

Final Flow Period..... Minutes 45 (E) 8 P.S.I. to (F) 15 P.S.I.

Final Closed In Period..... Minutes 90 (G) 28 P.S.I.

Final Hydrostatic Pressure..... (H) 2180 P.S.I.

DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

Company Name	Raymond Oil Co. Inc.		
Contact	Clarke T. Sandberg	Job Number	A008
Well Name	#1 Hineman Farm	Representative	ANDY CARREIRA
Unique Well ID	DST#3 CHER0 SAND "4580-4635"	Well Operator	Raymond Oil Co. Inc.
Surface Location	sec 4-19s-27w LANE CNTY, KS	Report Date	2014/01/23
Well License Number		Prepared By	ANDY CARREIRA
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST#3 CHER0 SAND "4580-4635"
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/01/23	Start Test Time	01:01:00
Final Test Date	2014/01/23	Final Test Time	09:58:00

Gauge Name	8471

Test Results

Recovery:	5'	MUD W/OIL SPCKS IN TOOL
	5'	TOTAL FLUID

TOOL SAMPLE: MUD W/ TRACE OIL

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

DRILL-STEM TEST TICKET

FILE: #1Hineman Farm DST3

TIME ON: 01:01

TIME OFF: 09:58

Company Raymond Oil Co. Inc. Lease & Well No. #1 Hineman

Contractor LD Rig #1 Charge to Raymond Oil Co. Inc.

Elevation 2718 Formation CHEROKEE Effective Pay _____ Ft. Ticket No. A008

Date 1-23-14 Sec. 4 Twp. 19 S Range 27 W County Lane State KANSAS

Test Approved By _____ Diamond Representative ANDY CARREIRA

Formation Test No. 3 Interval Tested from 4580 ft. to 4635 ft. Total Depth 4635 ft.

Packer Depth 4575 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4580 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4561 ft. Recorder Number 5585 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4581 ft. Recorder Number 8471 Cap. 10,000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 49 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.4 Water Loss 6.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 2800 P.P.M. Drill Pipe Length 4548 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number #1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 60 ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: WEAK SURFACE BLOW (NObb)

2nd Open: NO BLOW (NObb)

Recovered 5 ft. of MUD W/ OIL SPCKS IN TOOL

Recovered 5 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: MUD W/ TRACE OIL

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 4:17 AM A.M. P.M. Time Started Off Bottom 7:47 AM A.M. P.M. Maximum Temperature 122

Initial Hydrostatic Pressure..... (A) 2261 P.S.I.

Initial Flow Period..... Minutes 30 (B) 25 P.S.I. to (C) 26 P.S.I.

Initial Closed In Period..... Minutes 60 (D) 49 P.S.I.

Final Flow Period..... Minutes 45 (E) 26 P.S.I. to (F) 26 P.S.I.

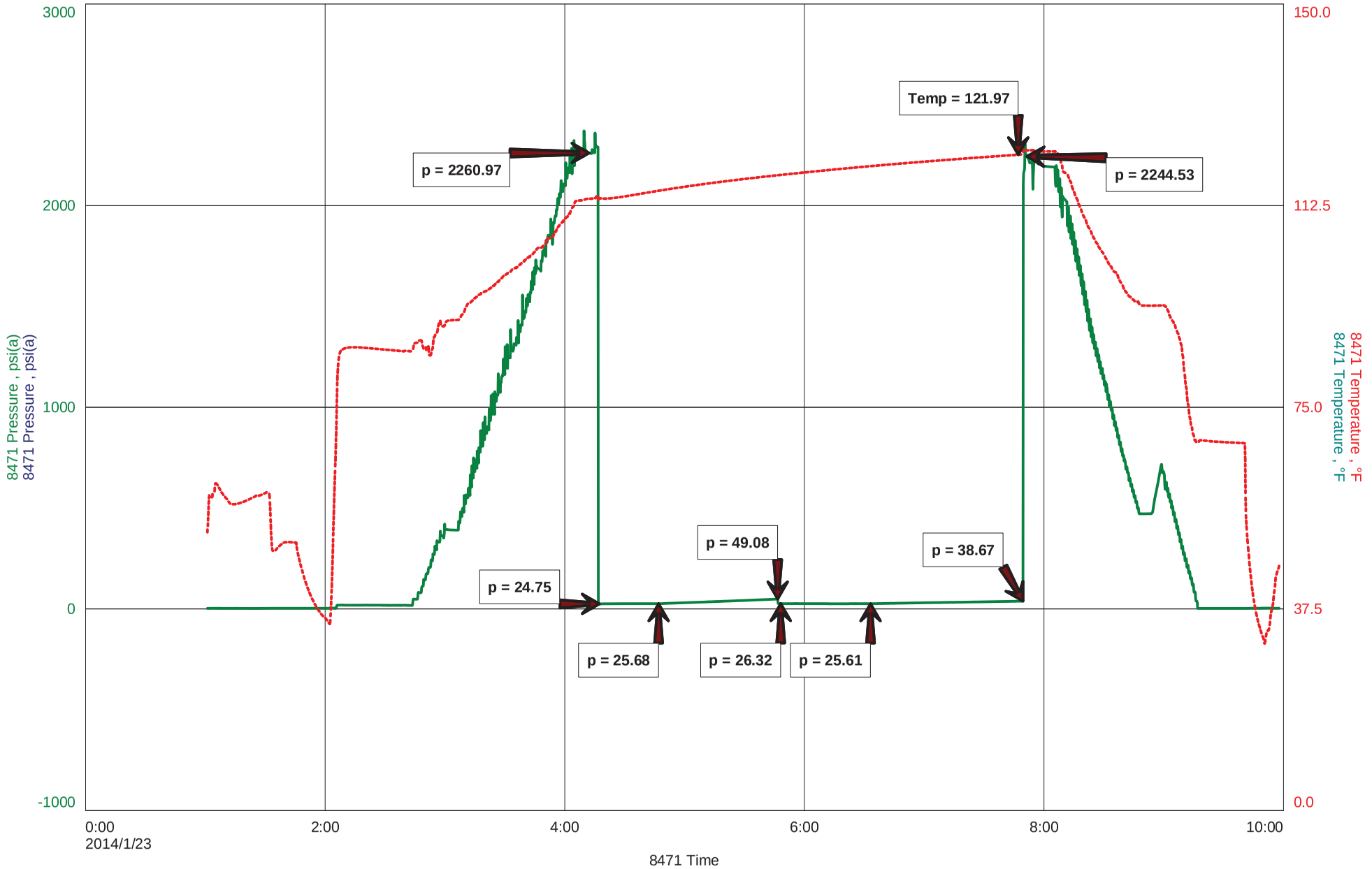
Final Closed In Period..... Minutes 75 (G) 39 P.S.I.

Final Hydrostatic Pressure..... (H) 2245 P.S.I.

Raymond Oil Co. Inc.
DST#3 CHER0 SAND "4580-4635"
Start Test Date: 2014/01/23
Final Test Date: 2014/01/23

#1 Hineman Farm
Formation: DST#3 CHER0 SAND "4580-4635"
Pool: WILDCAT
Job Number: A008

#1 HINEMAN FARM



CONSOLIDATED
Oil Well Services, LLC

2655348

TICKET NUMBER 43059
LOCATION OAKLEY KS
FOREMAN DAMON M.

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
1-13-14	7158	HINEMAN FARMS #1	4	19	27W	LANE KS.

CUSTOMER: RAYMOND OIL
MAILING ADDRESS: P.O. BOX 48788
CITY: WICHITA | STATE: KS. | ZIP CODE: 67201

Dighton E to Turkey Red Rd 2 1/2 S 1 W N into

TRUCK #	DRIVER	TRUCK #	DRIVER
399	Tim W.		
397	Cody R.		

JOB TYPE SURFACE | HOLE SIZE 12 1/4 | HOLE DEPTH 264' | CASING SIZE & WEIGHT 8 5/8 24#
CASING DEPTH 261' | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT 14.8 | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING 20'
DISPLACEMENT 15 BBL | DISPLACEMENT PSI | MIX PSI | RATE

REMARKS: SAFTY MEETING RIG UP ON L.D. DRILLING RIG CIRC ON BOTTOM THEN MIX 175 SKS COM 3% CC 2% GEL DISPLACED 15 BBL of H20 SHUT IN RELEASE PRESSURE WASH PUMP AND LINES AND RIGGED DOWN.

CEMENT DID CIRCULATE
APPROX 4 BBL TO THE PIT.

THANK YOU DAMON & CREW

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE	1150.00	1150.00
5406	25	MILEAGE	5.25	131.25
5407	8.2 tons	ton MILAGE DELIVERY (MIN)	430.00	430.00
1104S	175 SKS	CLASS A CEMENT	18.55	3246.25
1102	494#	CALCIUM CHLORIDE	.94	464.36
1118B	329#	BETONITE	.27	88.83
1111	100#	SALT	N/C	N/C
			SUBTOTAL	5510.69
			LESS 10%	551.07
			SUBTOTAL	4959.62
			7.15 SALES TAX	244.49
			ESTIMATED TOTAL	5204.11

completed

Ravin 3737

AUTHORIZTION David L Bee TITLE DATE

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 to

CONSOLIDATED Oil Well Services, LLC

265618

TICKET NUMBER 38201
LOCATION Oakley KS
FOREMAN Dane, Jerry

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
1-24-14	7158	Hineman Farms #1	4	19s	27w	Lane KS

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

Directions: East to Trucks, Rest Rd, East into

TRUCK #	DRIVER	TRUCK #	DRIVER
399	Tim W		
530 T-129	Cody O		
397	Lance R		
460	Cory D		

JOB TYPE 2 stage | HOLE SIZE 7 7/8 | HOLE DEPTH 4754 | CASING SIZE & WEIGHT 4 1/2 10.5
CASING DEPTH 4748.28 | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT 14.5 | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING Shoe Joint 42.16
DISPLACEMENT 74.8 Total / 34 Top | DISPLACEMENT PSI | MIX PSI | RATE

REMARKS: Safety meeting rig up. run float equip cent on 1, 3, 7, 9, 11, 61, 63. Baskets on 61, 63, DV tool on 62. Run 5 ahead mix 250 SKS 60/40 poz displace 74 BBLs lift 1000 landed 1500. wash up. Drop opening tool opened at 1000, circulate 45 min mix 30 Sat, mix 450 downhole, displace 34 bbls lift 750, landed at 1500 wash up. rig down

Thank you Dane

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 C	1	PUMP CHARGE	3175	3175.00
5406	25	MILEAGE	5.25	131.25
5407A	31.39	Ton mileage Delivery	1.75	1373.50
1131	250 SKS	60/40 poz	15.86	3965.00
1131	480 SKS	60/40 poz	15.86	7612.80
1118 B	3732	Bentonite	.27	1007.64
1111	898	Salt	.50	449.00
1107	120	Floseal	2.97	356.40
4161	1	4 1/2 AFU Float shoe	359.25	359.25
4103	2	4 1/2 Basket	275	550.00
4276A	1	4 1/2 DV Tool	4200	4200.00
4129	7	4 1/2 centralizers	48.50	339.50
4453	1	4 1/2 Latchdown plug assembly	465	465.00
				23978.14
		completed	less 10%	2398.41
				21585.73
		7.15	SALES TAX	1242.26
			ESTIMATED TOTAL	22827.99

Ravin 3737

AUTHORIZTION Allen Scott TITLE DATE

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 form.

DAILY DRILLING REPORT

OPERATOR: **RAYMOND OIL CO., INC.**

LEASE: **HINEMAN FARMS #1**
SE NW SE SW Sec 4-19-27
Lane Co., KS

WELLSITE GEOLOGIST: Kim Shoemaker

CONTRACTOR: **L. D. DRILLING, INC.**

ELEVATION: GR: 2713'
KB: 2718'

SPUD: 01/13/2014 @ 6:45 P.M.

PTD: 4750'

SURFACE: Ran 6 jts 8 5/8" Surface Casing, Tally 253', Set @ 261',
w/ 175 sx Common, 3% CC, 2% Gel, by Consolidated
Did Circulate, Plug Down @ 1:30 A.M. 1/14/14

1/13/14 Move in, Rig up & Spud
1/14/14 264' Waiting on Cement
1/15/14 1315' Drilling
1/16/14 2095' Drilling
1/17/14 2950' Drilling
1/18/14 3460' Drilling
1/19/14 3970' Drilling
1/20/14 4307' Short Trip for DST #1
1/21/14 4353' Drilling
1/22/14 4585' TOH w/ Bit
1/23/14 4635' Pulling DST #3
1/24/14 4751' RTD - LDDP
Logged by Nabors - 4754' LTD

DST #1 4280 - 4307'
TIMES: 30-60-45-90
Recovery: 1285' gip; 350' gwcmo

DST #2 4525 - 4585'
TIMES: 30-60-45-90
Recovery: 5' mud

DST #3 4580 - 4635'
TIMES: 30-60-45-90
Recovery: 5' OSM

Ran 113 jts 4 1/2" Production Casing
Set @ 4748', DV Tool Set @ 2133'
1st Stage: 250 sx 60/40 Pozmix 2% Salt, 3% Gel
2nd Stage: 450 sx 60/40 Pozmix 7% Salt, 3% Gel
Plug down @ 6:30 P.M. 1/24/14

Sample Tops:

Anhydrite	2069	(+649)
Base Anhydrite	2100	(+618)