Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1071385

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 # 6039
Name: L. D. Drilling, Inc.
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 #:

9/28/2011	10/11/2011	10/12/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-193-20821-00-00
Spot Description:
SW SE SW NE Sec. 28 Twp. 9 S. R. 34 ☐ East ☑ West
2540 Feet from ☑ North / ☐ South Line of Section
1930 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: Thomas
Lease Name: Theimer Well #: 1
Field Name:
Producing Formation: NA
Elevation: Ground: 3223 Kelly Bushing: 3222
Total Vertical Depth: 4911 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 303 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: 6200 ppm Fluid volume: 750 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: 01/06/2012
☑ **Confidential Release Date:** 01/05/2014
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 01/10/2012

[redacted] 1071385

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

Sec. 28 Twp. 9 S. R. 34 ☐ East ☑ West County: Thomas

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
Density/Neutron

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

Name	Top	Datum
B/Anh	2784	+428
Heeb	4109	-882
Stark	4369	-1147
Cher	4656	-1434
Miss	4774	-1552

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	17.375	13.375	46	303	Common	300	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/

January 06, 2012

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

Re: ACO1
API 15-193-20821-00-00
Theimer 1
NE/4 Sec.28-09S-34W
Thomas 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

DIAMOND TESTING

General Information Report

General Information

Company Name	RAYMOND OIL COMPANY, INC.	**Representative**	ROGER D. FRIEDLY
Contact	TED MCHENRY	**Well Operator**	RAYMOND OIL COMPANY, INC.
Well Name	THEIMER #1	**Report Date**	2011/10/05
Unique Well ID	DST #1 LANS 50' - 70' 4,188' - 4,239'	**Prepared By**	ROGER D. FRIEDLY
Surface Location	SEC 28-9S-34W THOMAS OCUNTY, KS		
Field	WILODCAT	**Qualified By**	MAX LOVELY
Well Type	Vertical		
Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	LANS 50' - 70' 4,188' - 4,239'		
Well Fluid Type	06 Water		
Start Test Date	2011/10/05	**Start Test Time**	01:25:00
Final Test Date	2011/10/05	**Final Test Time**	10:29:00

Test Recovery:

RECOVERED: 509' MW 59% WTR, 41% MUD
1,575' SW 100% WTR
2,084' TOTAL FLUID

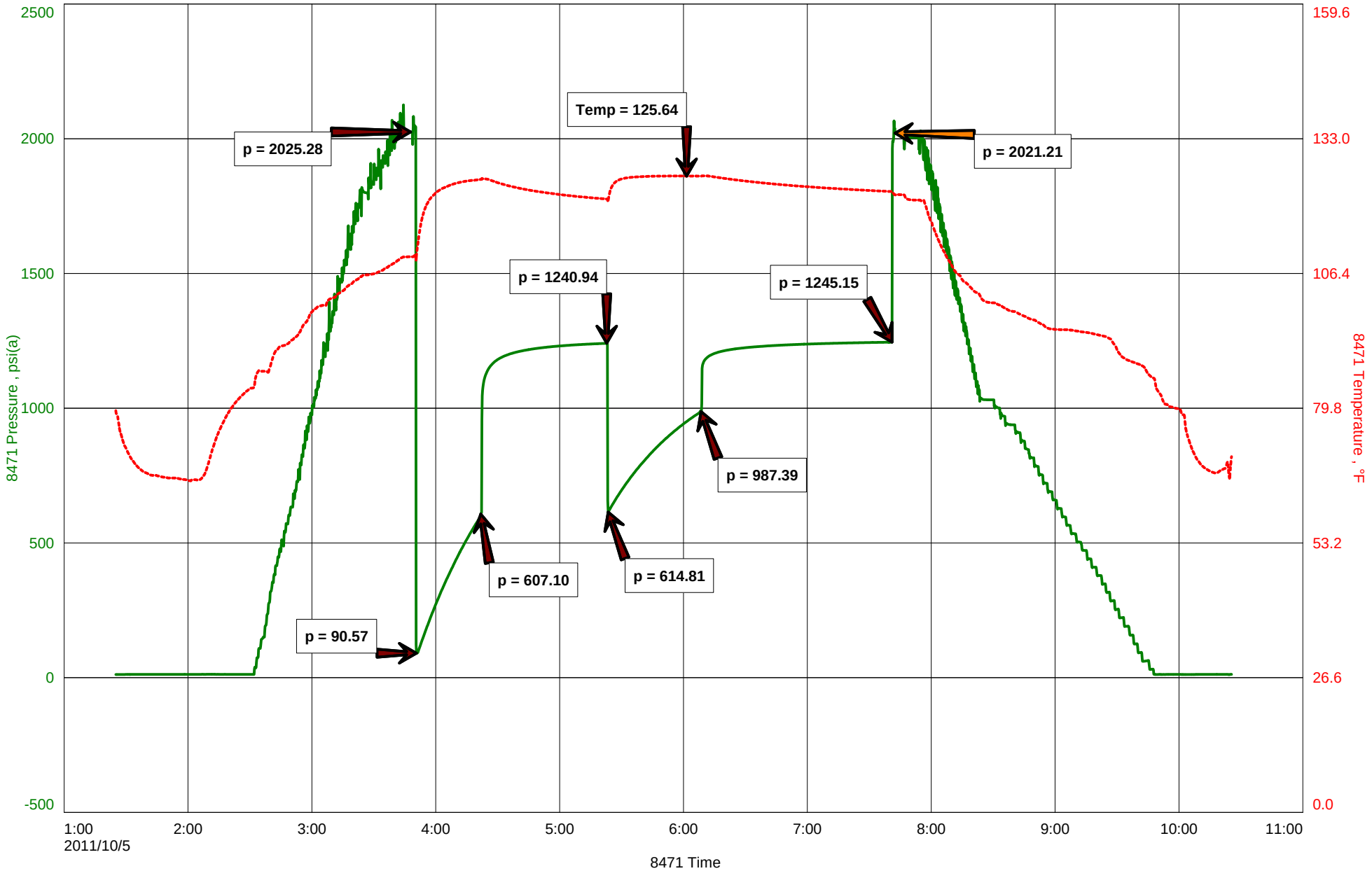
TOOL SAMPLE: 100% SW SCUM OF OIL

CHLORIDES 49,000 Ppm
PH 7.0
RW .14 @ 72 deg.

RAYMOND OIL COMPANY, INC.
DST #1 LANS 50' - 70' 4,188' - 4,239'
Start Test Date: 2011/10/05
Final Test Date: 2011/10/05

THEIMER #1
Formation: LANS 50' - 70' 4,188' - 4,239'

THEIMER #1



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

DRILL-STEM TEST TICKET
FILE: THEIMER1DST1

TIME ON: 01:25
TIME OFF: 10:29

Company RAYMOND OIL COMPANY, INC. Lease & Well No. THEIMER #1

Contractor L.D. DRILLING, INC. Charge to RAYMOND OIL COMPANY, INC.

Elevation 3,222 KB Formation LANS 50' - 70' Effective Pay _____ Ft. Ticket No. _____

Date 10.05.11 Sec. 28 Twp. 9 S Range 34 W County THOMAS State KANSAS

Test Approved By MAX LOVELY Diamond Representative ROGER D. FRIEDLY

Formation Test No. 1 Interval Tested from 4,188 ft. to 4,239 ft. Total Depth 4,239 ft.

Packer Depth 4,183 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4,188 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4,169 ft. Recorder Number 8471 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 3,617 ft. Recorder Number 3851 Cap. 5,700 P.S.I.

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

Mud Type CHEMICAL Viscosity 46 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 3,400 P.P.M. Drill Pipe Length 4,155 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number #4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 51 ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: STRONG BLOW OFF BOTTOM OF BUCKET IN 2 1/4 MIN (NOBb)

2nd Open: STRONG BLOW OFF BOTTOM OF BUCKET IN 2 3/4 MIN (NOBb)

Recovered 509 ft. of MW 59% WTR, 41% MUD

Recovered 1,575 ft. of SW 100% WTR

Recovered 2,084 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: 100% SW - SCUM OF OIL

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 3:54 A.M. A.M. P.M. Time Started Off Bottom 7:39 A.M. A.M. P.M. Maximum Temperature 126

Initial Hydrostatic Pressure ..... (A) 2,025 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 91 P.S.I. to (C) 607 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 1,241 P.S.I.

Final Flow Period ..... Minutes 45 (E) 615 P.S.I. to (F) 987 P.S.I.

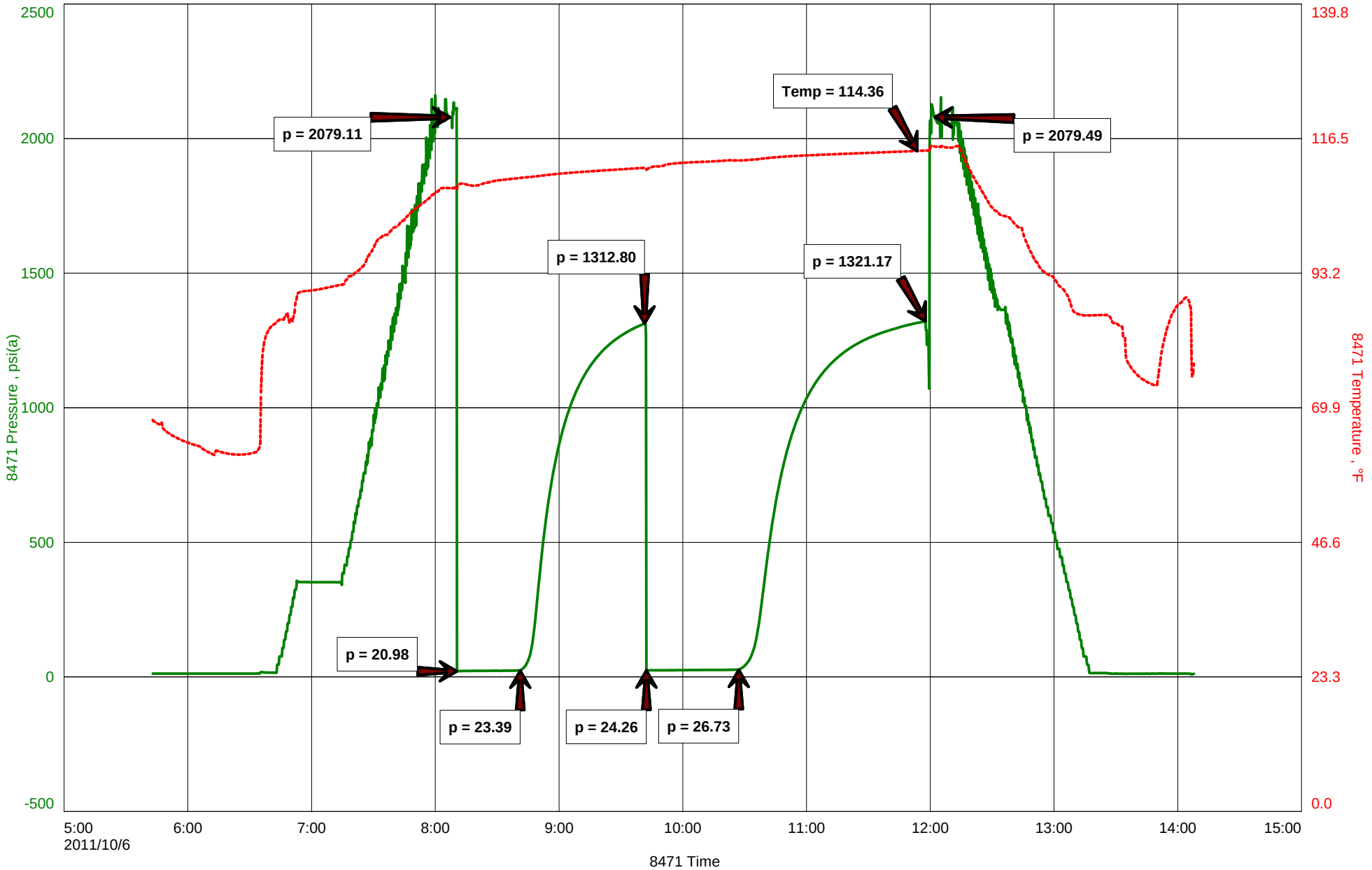
Final Closed In Period ..... Minutes 90 (G) 1,245 P.S.I.

Final Hydrostatic Pressure ..... (H) 2,021 P.S.I.

RAYMOND OIL COMPANY, INC.
DST #2 LANS. 160' - 180' 4,315' - 4,366'
Start Test Date: 2011/10/06
Final Test Date: 2011/10/06

THEINER #1
Formation: DST #2 LANS. 160' - 180' 4,315' - 4,366'

THEINER #1



DIAMOND TESTING

General Information Report

General Information

Company Name	RAYMOND OIL COMPANY, INC.	**Representative**	ROGER D. FRIEDLY
Contact	TED MCHENRY	**Well Operator**	RAYMOND OIL COMPANY, INC.
Well Name	THEINER #1	**Report Date**	2011/10/06
Unique Well ID	DST #2 LANS. 160' - 180' 4,315' - 4,366'	**Prepared By**	ROGER D. FRIEDLY
Surface Location	SEC 28-9S-34W THOMAS COUNTY, KS		
Field	WILDCAT	**Qualified By**	MAX LOVELY
Well Type	Vertical		
Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #2 LANS. 160' - 180' 4,315' - 4,366'		
Well Fluid Type			
Start Test Date	2011/10/06	**Start Test Time**	05:42:00
Final Test Date	2011/10/06	**Final Test Time**	14:07:00

Test Recovery:

RECOVERED: 1' CLEAN OIL 31.6 GRAVITY @ 60 deg.
9' OCM 4% OIL, 96% MUD
10' TOTAL FLUID

TOOL SAMPLE: 6% OIL, 94% MUD

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

DRILL-STEM TEST TICKET
FILE: THEIMER1DST2

TIME ON: 05:42
TIME OFF: 14:07

Company RAYMOND OIL COMPANY, INC. Lease & Well No. THEIMER #1

Contractor L.D. DRILLING, INC. Charge to RAYMOND OIL COMPANY, INC.

Elevation 3,222 KB Formation LANS160' - 180' Effective Pay _____ Ft. Ticket No. _____

Date 10.06.11 Sec. 28 Twp. 9 S Range 34 W County THOMAS State KANSAS

Test Approved By MAX LOVELY Diamond Representative ROGER D. FRIEDLY

Formation Test No. 2 Interval Tested from 4,315 ft. to 4,366 ft. Total Depth 4,366 ft.

Packer Depth 4,310 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4,315 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4,296 ft. Recorder Number 8471 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4,363 ft. Recorder Number 3851 Cap. 5,700 P.S.I.

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

Mud Type CHEMICAL Viscosity 50 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 5,400 P.P.M. Drill Pipe Length 4,282 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number #4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 51 ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: WEAK 1/8" BLOW INCREASING TO 1" (NObb)

2nd Open: WEAK SUURFACE BLOW INCREASING TO 1" (NObb)

Recovered 1 ft. of CLEAN OIL 31.6 GRAVITY @ 60 deg.

Recovered 9 ft. of OCM 4% OIL, 96% MUD

Recovered 10 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: 6% OIL, 94% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 8:09 A.M. A.M. P.M. Time Started Off Bottom 11:54 A.M. A.M. P.M. Maximum Temperature 114

Initial Hydrostatic Pressure..... (A) 2,079 P.S.I.

Initial Flow Period..... Minutes 30 (B) 21 P.S.I. to (C) 23 P.S.I.

Initial Closed In Period..... Minutes 60 (D) 1,313 P.S.I.

Final Flow Period..... Minutes 45 (E) 24 P.S.I. to (F) 27 P.S.I.

Final Closed In Period..... Minutes 90 (G) 1,321 P.S.I.

Final Hydrostatic Pressure..... (H) 2,079 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name	RAYMOND OIL COMPANY, INC.	**Representative**	ROGER D. FRIEDLY
Contact	TED MCHENRY	**Well Operator**	RAYMOND OIL COMPANY, INC.
Well Name	THEIMER #1	**Report Date**	2011/10/07
Unique Well ID	DST #3 LANS. 200' - 220' 4,353' - 4,411'	**Prepared By**	ROGER D. FRIEDLY
Surface Location	SEC 28-9S-34W THOMAS COUNTY, KS		
Field	WILDCAT	**Qualified By**	MAX LOVELY
Well Type	Vertical		
Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #3 LANS 200' - 220' 4,353' - 4,411'		
Well Fluid Type			
Start Test Date	2011/10/07	**Start Test Time**	00:50:00
Final Test Date	2011/10/07	**Final Test Time**	08:57:00

Test Recovery:

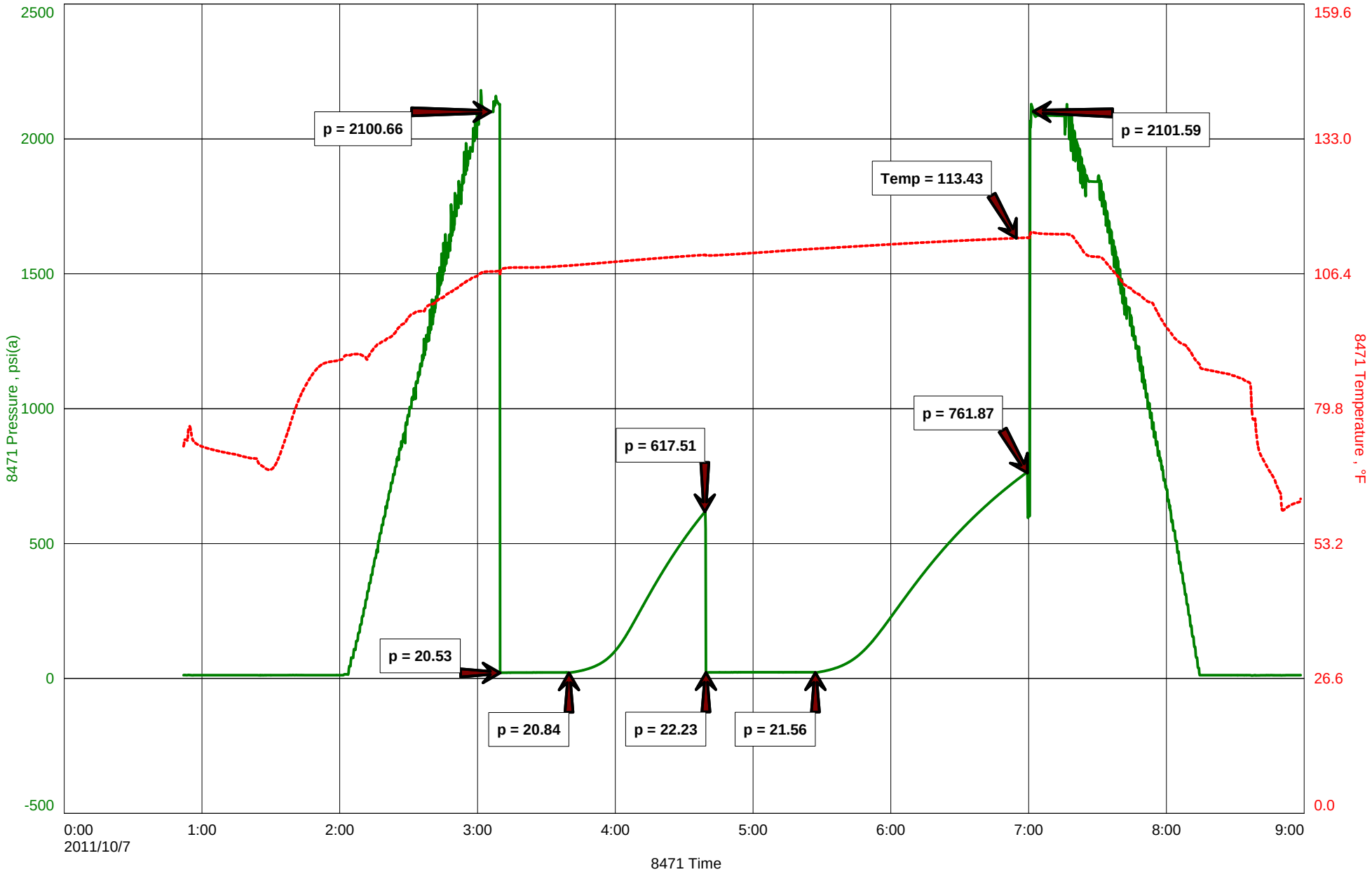
RECOVERED: 5' DM - WITH A SCUM OF OIL

TOOL SAMPLE: 100% DM - WITH A SCUM OF OIL

RAYMOND OIL COMPANY, INC.
DST #3 LANS. 200' - 220' 4,353' - 4,411'
Start Test Date: 2011/10/07
Final Test Date: 2011/10/07

THEIMER #1
Formation: DST #3 LANS 200' - 220' 4,353' - 4,411'

THEIMER #1



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

DRILL-STEM TEST TICKET
FILE: THEIMER1DST3

TIME ON: 00:50
TIME OFF: 08:57

Company RAYMOND OIL COMPANY, INC. Lease & Well No. THEIMER #1

Contractor L.D. DRILLING, INC. Charge to RAYMOND OIL COMPANY, INC.

Elevation 3,222 KB Formation LANS200' - 220' Effective Pay _____ Ft. Ticket No. _____

Date 10.07.11 Sec. 28 Twp. 9 S Range 34 W County THOMAS State KANSAS

Test Approved By MAX LOVELY Diamond Representative ROGER D. FRIEDLY

Formation Test No. 3 Interval Tested from 4,353 ft. to 4,411 ft. Total Depth 4,411 ft.

Packer Depth 4,348 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4,353 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4,334 ft. Recorder Number 8471 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4,408 ft. Recorder Number 3851 Cap. 5,700 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 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 6,400 P.P.M. Drill Pipe Length 4,320 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number #4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 58 ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: WEAK 1/8" BLOW INCREASING TO 1" (NObb)

2nd Open: WEAK SURFACE BLOW INCREASING TO 1/2" (NObb)

Recovered 5 ft. of DM 100% MUD WITH A SCUM OF OIL

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: 100% DM WITH A SCUM OF OIL

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 3:07 A.M. A.M. P.M. Time Started Off Bottom 6:52 A.M. A.M. P.M. Maximum Temperature 113

Initial Hydrostatic Pressure..... (A) 2,101 P.S.I.

Initial Flow Period..... Minutes 30 (B) 21 P.S.I. to (C) 21 P.S.I.

Initial Closed In Period..... Minutes 60 (D) 618 P.S.I.

Final Flow Period..... Minutes 45 (E) 22 P.S.I. to (F) 22 P.S.I.

Final Closed In Period..... Minutes 90 (G) 762 P.S.I.

Final Hydrostatic Pressure..... (H) 2,102 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name	RAYMOND OIL COMPANY, INC.	**Representative**	ROGER D. FRIEDLY
Contact	TED MCHENRY	**Well Operator**	RAYMOND OIL COMPANY, INC.
Well Name	THEIMER #1	**Report Date**	2011/10/09
Unique Well ID	DST #4 MYRICK STATION 4,586' - 4,620'	**Prepared By**	ROGER D. FRIEDLY
Surface Location	SEC 28-9S-34W THOMAS COUNTY, KS		
Field	WILDCAT	**Qualified By**	MAX LOVELY
Well Type	Vertical		
Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #4 MYRICK STATION 4,596' - 4,620'		
Well Fluid Type	01 Oil		
Start Test Date	2011/10/08	**Start Test Time**	18:00:00
Final Test Date	2011/10/09	**Final Test Time**	01:43:00

Test Recovery:

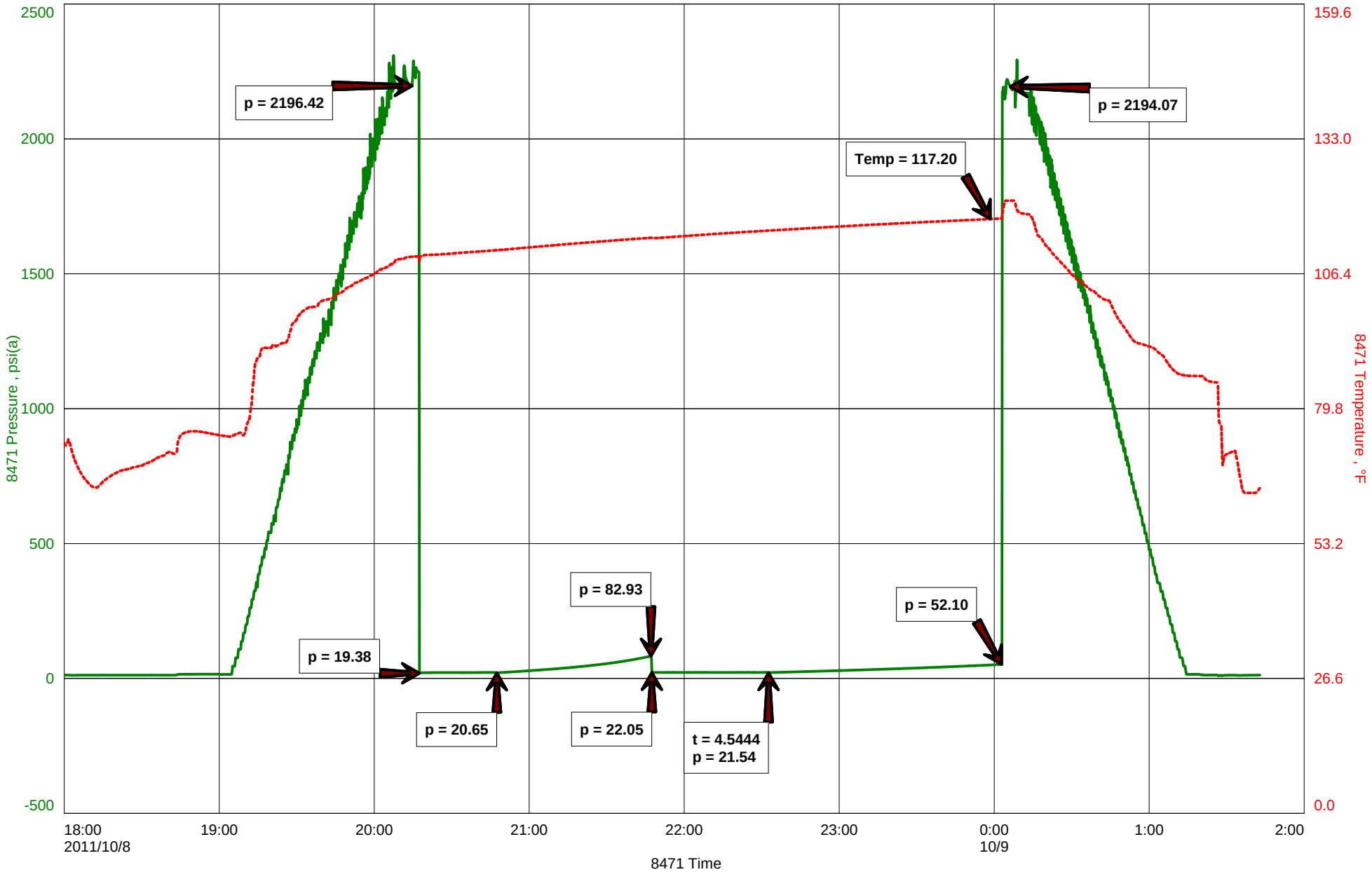
RECOVERED: 5' DM 100% MUD

TOOL SAMPLE: 100% DM - FEW OIL SPECKS

RAYMOND OIL COMPANY, INC.
DST #4 MYRICK STATION 4,586' - 4,620'
Start Test Date: 2011/10/08
Final Test Date: 2011/10/09

THEIMER #1
Formation: DST #4 MYRICK STATION 4,596' - 4,620'

THEIMER #1



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

DRILL-STEM TEST TICKET
FILE: THEIMER1DST4

TIME ON: 18:00(10.8)
TIME OFF: 01:43(10.9)

Company RAYMOND OIL COMPANY, INC. Lease & Well No. THEIMER #1

Contractor L.D. DRILLING, INC. Charge to RAYMOND OIL COMPANY, INC.

Elevation 3,222 KB Formation MYRICK STATION Effective Pay ____ Ft. Ticket No. S0012

Date 10.08.11 Sec. 28 Twp. 9 S Range 34 W County THOMAS State KANSAS

Test Approved By ____ Diamond Representative ROGER D. FRIEDLY

Formation Test No. 4 Interval Tested from 4,586 ft. to 4.620 ft. Total Depth 4.620 ft.

Packer Depth 4,581 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Packer Depth 4,586 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4,567 ft. Recorder Number 8471 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4,586 ft. Recorder Number 3851 Cap. 5,700 P.S.I.

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

Mud Type CHEMICAL Viscosity 41 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 6,400 P.P.M. Drill Pipe Length 4,553 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 34 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 1/8" BLOW INCREASING TO 1 1/4" (NOBB)

2nd Open: WEAK SURFACE BLOW INCREASING TO 1/2" (NOBB)

Recovered 5 ft. of DM 100% MUD

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____ | Price Job

Recovered ____ ft. of ____ | Other Charges

Remarks: ____ | Insurance

TOOL SAMPLE: 100% DM FEW OIL SPECKS | Total

Time Set Packer(s) 8:19 P.M. A.M. P.M. Time Started Off Bottom 12:04 A.M. A.M. P.M. Maximum Temperature 117

Initial Hydrostatic Pressure ..... (A) 2,196 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 19 P.S.I. to (C) 21 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 83 P.S.I.

Final Flow Period ..... Minutes 45 (E) 22 P.S.I. to (F) 22 P.S.I.

Final Closed In Period ..... Minutes 90 (G) 52 P.S.I.

Final Hydrostatic Pressure ..... (H) 2,194 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name	RAYMOND OIL COMPANY, INC.	**Representative**	ROGER D. FRIEDLY
Contact	TED MCHENRY	**Well Operator**	RAYMOND OIL COMPANY, INC.
Well Name	THEIMER #1	**Report Date**	2011/10/09
Unique Well ID	DST #5 JOHNSON 4,678' - 4,703'	**Prepared By**	ROGER D. FRIEDLY
Surface Location	SEC 28-9S-34W THOMAS COUNTY, KS		
Field	WILDCAT	**Qualified By**	MAX LOVELY
Well Type	Vertical		
Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #5 JOHNSON 4,678' - 4,703'		
Well Fluid Type	01 Oil		
Start Test Date	2011/10/09	**Start Test Time**	16:28:00
Final Test Date	2011/10/10	**Final Test Time**	00:29:00

Test Recovery:

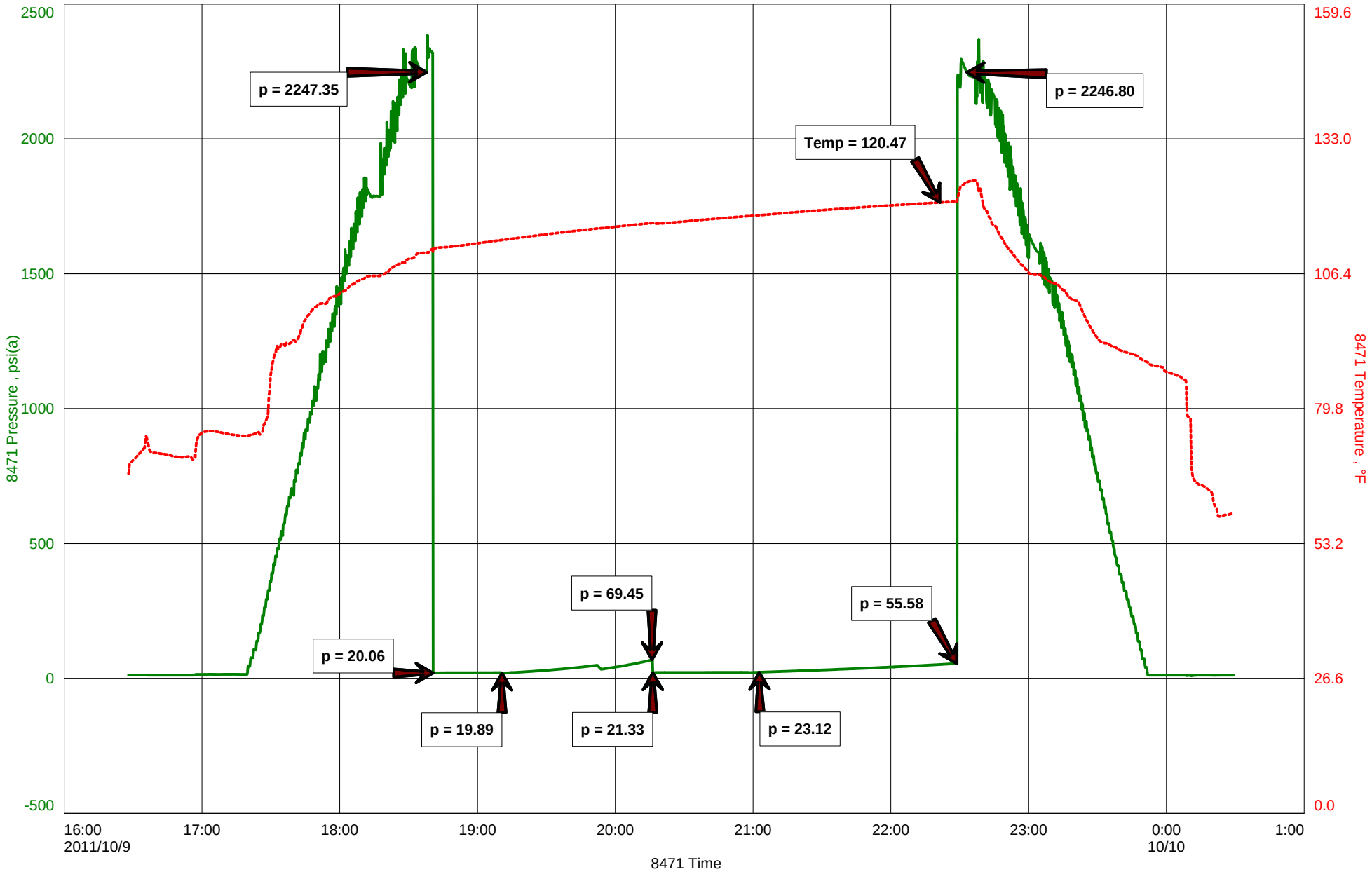
RECOVERED: 2' DM 100% MUD

TOOL SAMPLE: 100% DM - FEW OIL SPECKS

RAYMOND OIL COMPANY, INC.
DST #5 JOHNSON 4,678' - 4,703'
Start Test Date: 2011/10/09
Final Test Date: 2011/10/10

THEIMER #1
Formation: DST #5 JOHNSON 4,678' - 4,703'

THEIMER #1



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

DRILL-STEM TEST TICKET
FILE: THEIMER1DST5

TIME ON: 16:28
TIME OFF: 00:29

Company RAYMOND OIL COMPANY, INC. Lease & Well No. THEIMER #1

Contractor L.D. DRILLING, INC. Charge to RAYMOND OIL COMPANY, INC.

Elevation 3,222 KB Formation JOHNSON Effective Pay _____ Ft. Ticket No. _____

Date 10.09.11 Sec. 28 Twp. 9 S Range 34 W County THOMAS State KANSAS

Test Approved By MAX LOVELY Diamond Representative ROGER D. FRIEDLY

Formation Test No. 5 Interval Tested from 4,678 ft. to 4,703 ft. Total Depth 4,703 ft.

Packer Depth 4,673 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4,678 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4,659 ft. Recorder Number 8471 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4,700 ft. Recorder Number 3851 Cap. 5,700 P.S.I.

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

Mud Type CHEMICAL Viscosity 59 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 4,700 P.P.M. Drill Pipe Length 4,645 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 25 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 INCREASING TO 1/2" (NOBB)

2nd Open: WEAK SURFACE BLOW THRU-OUT (NOBB)

Recovered 2 ft. of DM 100% MUD

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: 100% DM - FEW OIL SPECKS

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 6:40 P.M. A.M. P.M. Time Started Off Bottom 10:25 P.M. A.M. P.M. Maximum Temperature 120

Initial Hydrostatic Pressure ..... (A) 2,247 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 20 P.S.I. to (C) 20 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 69 P.S.I.

Final Flow Period ..... Minutes 45 (E) 21 P.S.I. to (F) 23 P.S.I.

Final Closed In Period ..... Minutes 90 (G) 56 P.S.I.

Final Hydrostatic Pressure ..... (H) 2,247 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name	RAYMOND OIL COMPANY, INC.	**Representative**	ROGER D. FRIEDLY
Contact	TED MCHENRY	**Well Operator**	RAYMOND OIL COMPANY, INC.
Well Name	THEIMER #1	**Report Date**	2011/10/10
Unique Well ID	DST #6 JOHNSON 4,677' - 4,752'	**Prepared By**	ROGER D. FRIEDLY
Surface Location	SEC 28-9S-34W THOMAS COUNTY, KS		
Field	WILDCAT	**Qualified By**	MAX LOVELY
Well Type	Vertical		
Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #6 JOHNSON 4,677' - 4,752'		
Well Fluid Type	01 Oil		
Start Test Date	2011/10/10	**Start Test Time**	10:28:00
Final Test Date	2011/10/10	**Final Test Time**	18:58:00

Test Recovery:

RECOVERED: 122' WM 8% WTR,92% MUD - SCUM OF OIL
126' OCWM 2%, OIL, 43% WTR, 55% MUD
126' MW 53% WTR, 47% MUD - SCUM OF OIL
126' MW 69% WTR, 31% MUD - OIL SPECKS
500' TOTAL FLUID

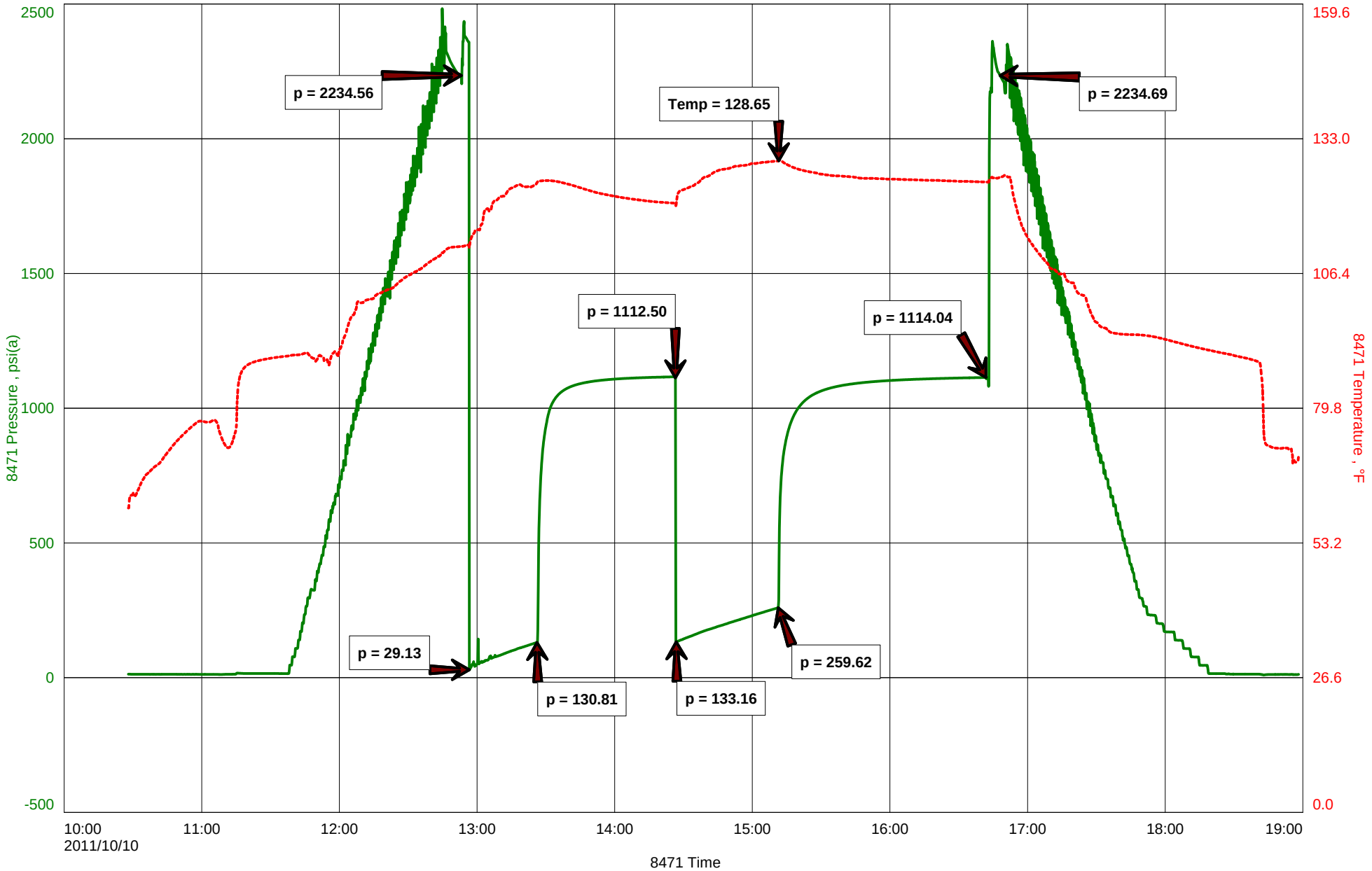
TOOL SAMPLE: 68% WTR, 32% MUD - OIL SPECKED

CHLORIDES 25,000 Ppm
PH: 7.0
RW: .25 @ 62 deg.

RAYMOND OIL COMPANY, INC.
DST #6 JOHNSON 4,677' - 4,752'
Start Test Date: 2011/10/10
Final Test Date: 2011/10/10

THEIMER #1
Formation: DST #6 JOHNSON 4,677' - 4,752'

THEIMER #1



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

DRILL-STEM TEST TICKET
FILE: THEIMER1DST6

TIME ON: 10:28
TIME OFF: 18:58

Company RAYMOND OIL COMPANY, INC. Lease & Well No. THEIMER #1

Contractor L.D. DRILLING, INC. Charge to RAYMOND OIL COMPANY, INC.

Elevation 3,222 KB Formation JOHNSON Effective Pay _____ Ft. Ticket No. _____

Date 10.10.11 Sec. 28 Twp. 9 S Range 34 W County THOMAS State KANSAS

Test Approved By MAX LOVELY Diamond Representative ROGER D. FRIEDLY

Formation Test No. 6 Interval Tested from 4,677 ft. to 4,752 ft. Total Depth 4,752 ft.

Packer Depth 4,672 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4,677 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4,658 ft. Recorder Number 8471 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4,748 ft. Recorder Number 3851 Cap. 5,700 P.S.I.

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

Mud Type CHEMICAL Viscosity 56 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 4,600 P.P.M. Drill Pipe Length 4,644 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 75 ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 32' DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: WEAK 1/2" BLOW INCREASING TO BOTTOM OF BUCKET IN 19 MIN (F1"BB)

2nd Open: WEAK SURFACE BLOW INCREASING TO BOTTOM OF BUCKET IN 20 MIN (NOBB)

Recovered 122 ft. of WM 8% WTR, 92% MUD - SCUM OF OIL

Recovered 126 ft. of OCWM 2% OIL, 43% WTR, 55% MUD

Recovered 126 ft. of MW 53% WTR, 47% MUD - SCUM OF OIL

Recovered 126 ft. of MW 69% WTR, 31% MUD - OIL SPECKS

Recovered 500 ft. of TOTAL FLUID CHLORIDES 25,000 Ppm

Recovered _____ ft. of PH 7.0

Remarks: RW .25 @ 62 deg

TOOL SAMPLE: 68% WTR, 32% MUD - OIL SPECKS

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 12:57 P.M. A.M. P.M. Time Started Off Bottom 4:42 P.M. A.M. P.M. Maximum Temperature 129

Initial Hydrostatic Pressure..... (A) 2,235 P.S.I.

Initial Flow Period..... Minutes 30 (B) 29 P.S.I. to (C) 131 P.S.I.

Initial Closed In Period..... Minutes 60 (D) 1,113 P.S.I.

Final Flow Period..... Minutes 45 (E) 133 P.S.I. to (F) 260 P.S.I.

Final Closed In Period..... Minutes 90 (G) 1,114 P.S.I.

Final Hydrostatic Pressure..... (H) 2,235 P.S.I.

CONSOLIDATED
Oil Well Services, LLC

LOCATION Oakley
FOREMAN Fuzzy

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

FIELD TICKET & TREATMENT REPORT
CEMENT

Ks

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-28-11		Theimer #1	28	9	34	Thomas

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

Hwy 40 + 25 N-Rd H - 4 1/2 W into

TRUCK #	DRIVER	TRUCK #	DRIVER
463	John G		
439	Cody R		

JOB TYPE Surface HOLE SIZE 17 1/4 HOLE DEPTH 306' CASING SIZE & WEIGHT 13 3/8 - 48#
CASING DEPTH 308' DRILL PIPE TUBING OTHER
SLURRY WEIGHT 14.7 SLURRY VOL 1.36 WATER gal/sk 6.5 CEMENT LEFT in CASING 20'
DISPLACEMENT 44.1 DISPLACEMENT PSI MIX PSI RATE

REMARKS: Safety meeting on LD #1. Rig up & circulate. mix 300 sks Class 'A' 3% cc 2% gel. Displace 44 BBL and shut in. Cement did circulate approx 6 BBLS to pit.

Thanks Fuzzy & Crew

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 S	1	PUMP CHARGE	1075.00	1075.00
5406	20	MILEAGE	5.00	100.00
5407A	14.1 ton	Ton mileage Delivery	1.56	445.56
1104 S	300 sks	Class 'A'	16.80	5040.00
1102	846 #	Calcium Chloride	.84	710.64
1118 B	564 #	Bentonite	.24	135.36
		subtotal		7466.56
		less 10% discount		746.65
				6719.91
			SALES TAX	
			ESTIMATED TOTAL	

Ravin 3737

AUTHORIZTION Kelly Wilson 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.

CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 28272
LOCATION Oakley
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
10-12-11	7158	Theimer #1	28	9	34	Thomas

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

(Hwy 40 & K25 N to RdH 4W N into)

TRUCK #	DRIVER	TRUCK #	DRIVER
463	Josh G		
439	Cecil P		

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 4911 CASING SIZE & WEIGHT
CASING DEPTH DRILL PIPE TUBING OTHER
SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT in CASING
DISPLACEMENT DISPLACEMENT PSI MIX PSI RATE

REMARKS: ~~Rig~~ Safety Meeting. rigged up on LD Drilling Rig #1. Mixed Cement Plugs and displaced. Washed out Pumps & lines rigged down & left location.

25sks @ 2780
100sks @ 1825
40sks @ 350
10sks @ 40
30sks RH

Thank You
Kelly & Crew

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1250.00	1250.00
5406	20	MILEAGE	5.00	100.00
1131	205	60/40 Poz	14.35	2941.75
1118B	705#	Bentonite	.24	169.20
1107	51.25	Flo-Seal	2.66	136.32
5407A	8.81	Ton Mileage delivery (Min)	1.55	410.00
4436	1	13 3/8 wooden Plug	171.00	171.00
				5178.37
		Less 10% disc		517.83
				4660.54
			SALES TAX	
			ESTIMATED TOTAL	

Ravin 3737

AUTHORIZTION Richard Wilson TITLE DATE 10-12-11

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.

Max R. Lovely

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Raymond Oil Co.
FARM Theimer #1
FIELD Wildcat
LOCATION SW SE SW NE
SEC 28 TWSP 9 RGE 34W
COUNTY Thomas STATE KS
CONTRACTOR LD Drilling
SPUD 9-28-2011 COMP 10-11-2011
RTD 4911 LTD 4918
MUD UP 3482 TYPE MUD Chem

ELEVATIONS
KB 3222
DF
GL 3217
Measurements Are All From KB

CASING
SURFACE 8⅝" @ 303'
PRODUCTION NONE

ELECTRICAL SURVEYS
DI, Comp N/D
Micro

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION A	B	C
Anhydrite	458	2766	456			464
Base Anhydrite	428	2794	428		415	436
Stotler	-548	3768	-546	-548	-556	-540
Heebner	-882	4109	-887	-882	-889	-875
Lansing	-927	4146	-924	-924	-920	-913
Stark	-1142	4368	-1146	-1142	-1153	-1144
Marmaton	-1226	4456	-1234	-1229	-1231	-1226
Ft. Scott	-1399	4624	-1402	-1394	-1399	-1387
Cherokee	-1429	4656	-1434	-1422	-1427	-1418
Mississippi	-1548	4774	-1552	-1542	-1549	-1555

REFERENCE WELLS FOR STRUCTURE

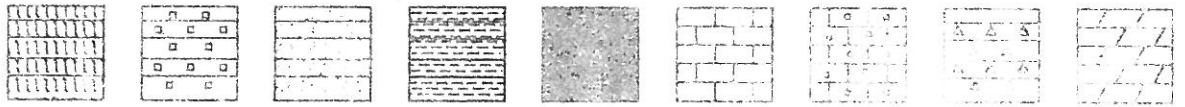
A Raymond Herren A #1 1200' FEL,2340' FSL (SE/4) 21-9-34W
B Raymond Herren B #1 1466' FWL,1306'FSL (SW/4) 22-9-34W
C Raymond #1 Theimer Werner 2494'FEL,1464'FSL (SE/4) 32-9-34W

REMARKS NEGATIVE DST'S AND UNFAVORABLE STRUCTURAL POSITION CAUSE THE THEIMER #1 TO BE DEEMED P&A. SECONDARY FACTORS LEADING TO NEGATIVE RESULTS: DUE TO A FULL MOON AND WAINING KARMA, IN ADDITION TO LLOYD & RUTH BEING SUCH NICE FOLKS MAKES THE THEIMER A HARD DECISION TO ABANDON!!

RESPECTFULLY SUBMITTED

MR R. Lauf

LEGEND



DRILLING TIME IN MINUTES PER FOOT
Rate of Penetration Decreases

6" 10" 15" 20" 25"

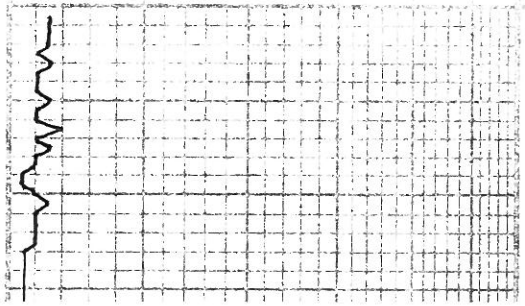
DEPTH

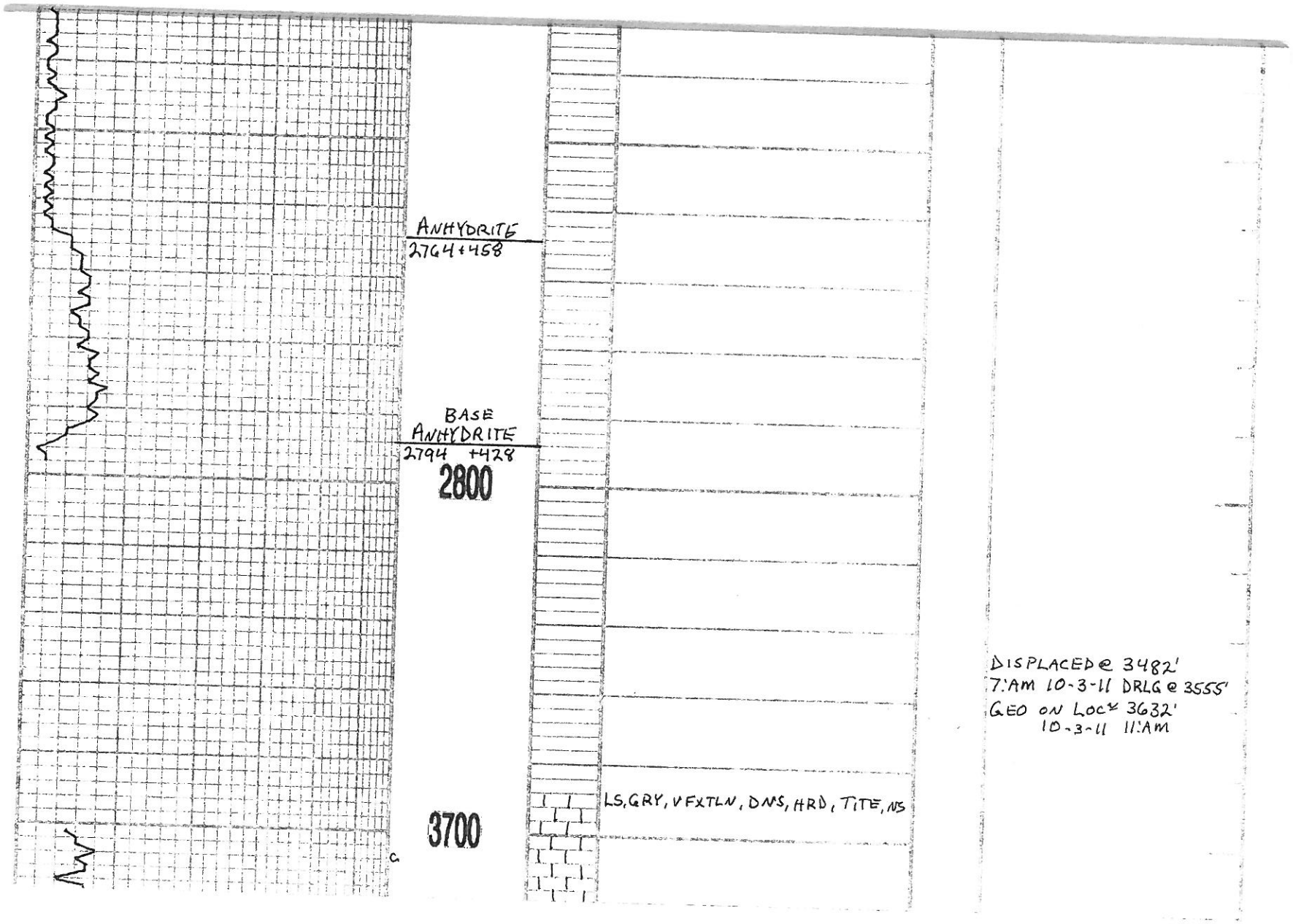
LITHOLOGY

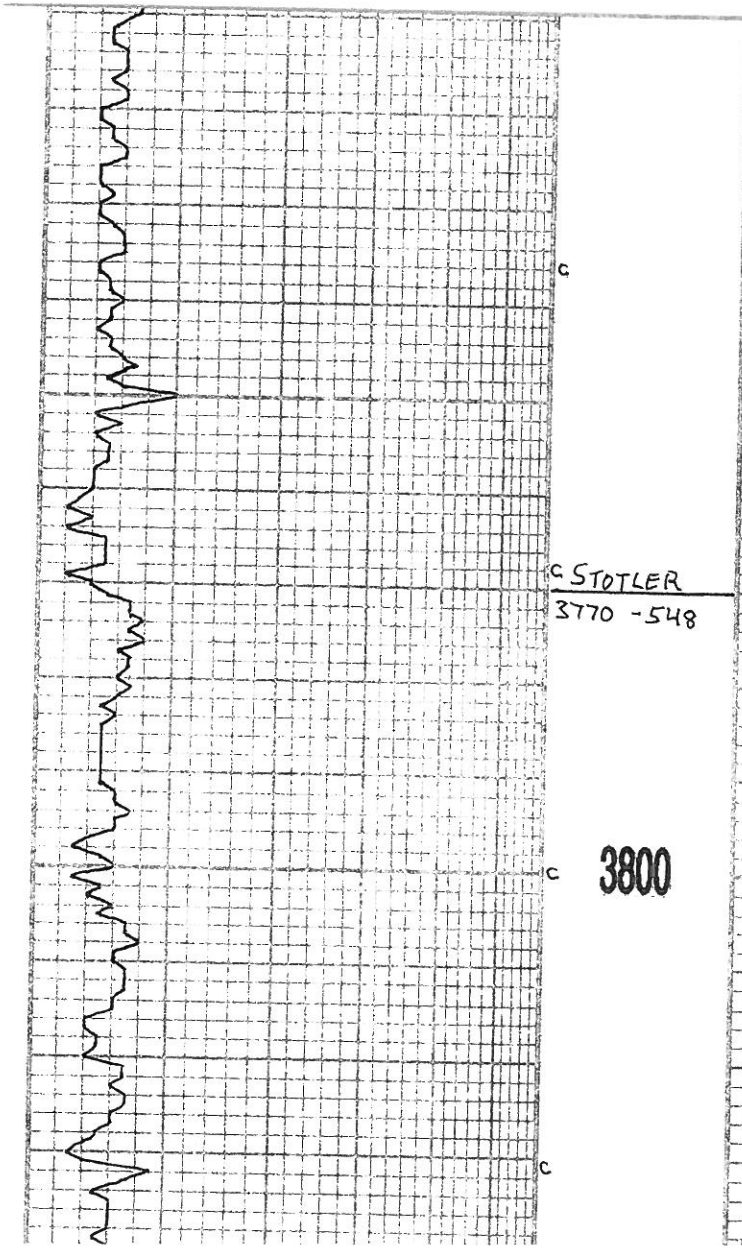
SAMPLE DESCRIPTIONS

CHRONO

REMARKS




ANHYDRITE
2764 +458
BASE
ANHYDRITE
2794 +428
2800
3700
LS, GRY, VFXTLN, DNS, HRD, TITE, NS
DISPLACED @ 3482'
7:AM 10-3-11 DRLG @ 3555'
GEO ON LOC^N 3632'
10-3-11 11:AM



C

C STOTLER
3770 -548

C 3800

C

CHLK

LS, TAN, F XTLN, M HRD → V HRD, DNS
NO APPØ, NS

LS, BRN, F XTLN, CRS TXT, V HRD, SL
OOL + V FOSS, W CMT'D, NO APPØ NS

LS, LT GRY, S → M HRD, BRTL, SLT
FOSS W/ STYL's, TITE, NS

LS. GRY/BRN, M XTLN, SL CRS TXT,
S → M HRD, P XTLN Ø, NS

SH, GRY, STICKY

LS, GRY/WHT, A BUN FOSS FRAG's
SL HRD, ; FOSS + XTLN Ø. NS

"

LS. CRM, F XTLN, SL FOSS, HRD, P XTLN
Ø, NS

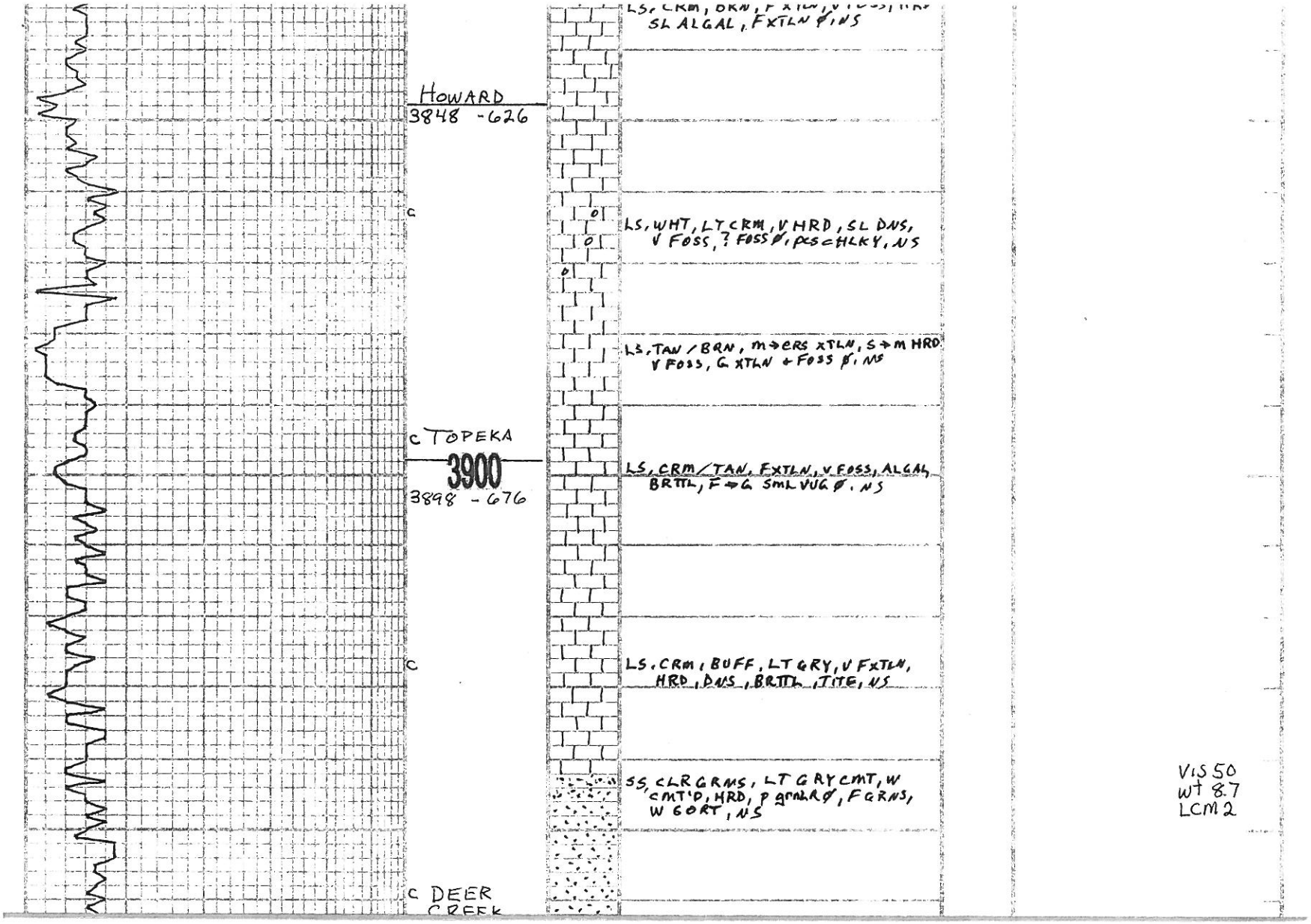
LS, TAN, F XTLN, V HRD, V FOSS,
NO APP Ø. NS

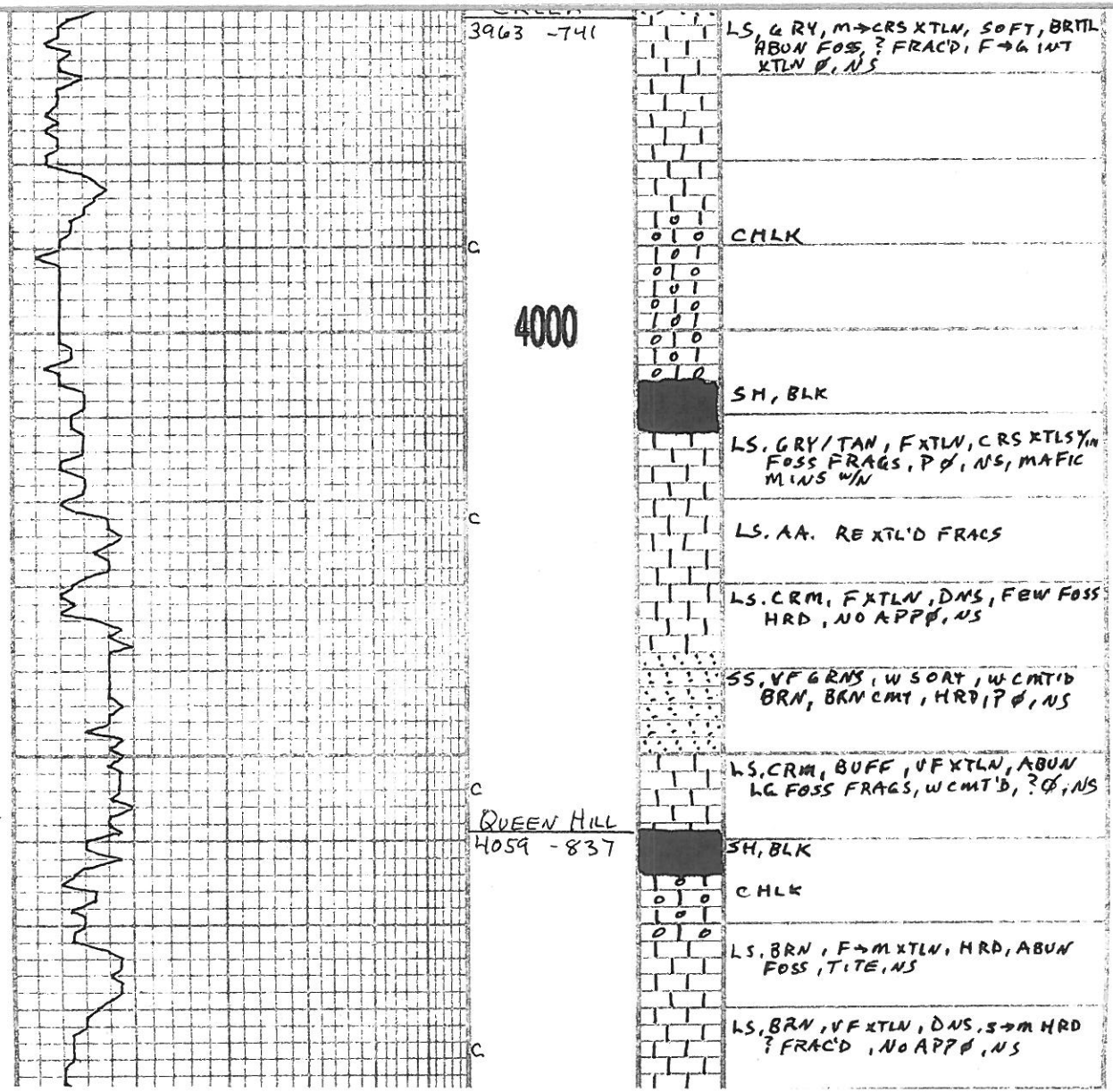
LS. CRM, BRN, F XTLN, V FOSS, HRD
SL ALGAL, F XTLN Ø, NS

VIS 45
WT 8.6
LCM 2

ADD MUD

VIS 49
WT 8.6
LCM 2

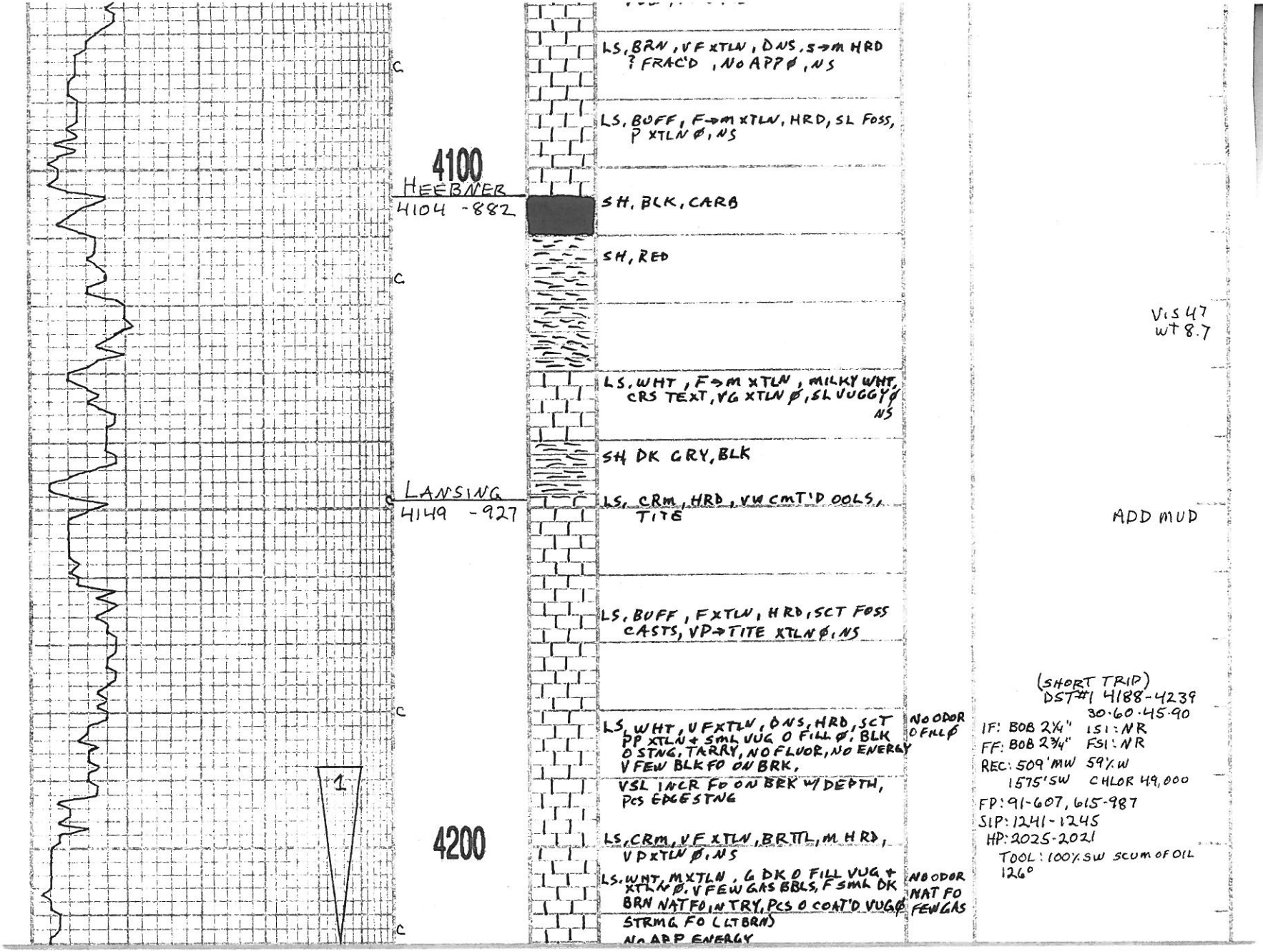

LS, CRM, BRN, F XTLN, V FOSS, HRD
SL ALGAL, FXTLN Ø, NS
HOWARD
3848 -626
C
LS, WHT, LT CRM, V HRD, SL DNS,
V FOSS, ? FOSS Ø, PCS=HLKY, NS
LS, TAN / BRN, M→CRS XTLN, S→M HRD
V FOSS, G XTLN + FOSS Ø, NS
C TOPEKA
3900
3898 -676
LS, CRM / TAN, FXTLN, V FOSS, ALGAL,
BRTTL, F→G SMLVUG Ø, NS
C
LS, CRM, BUFF, LT GRY, V FXTLN,
HRD, DNS, BRTTL, TITE, NS
SS, CLR GRMS, LT GRY CMT, W
CMT'D, HRD, P grnlr Ø, F GRNS,
W SORT, NS
C DEER
CREEK
VIS 50
WT 8.7
LCM 2

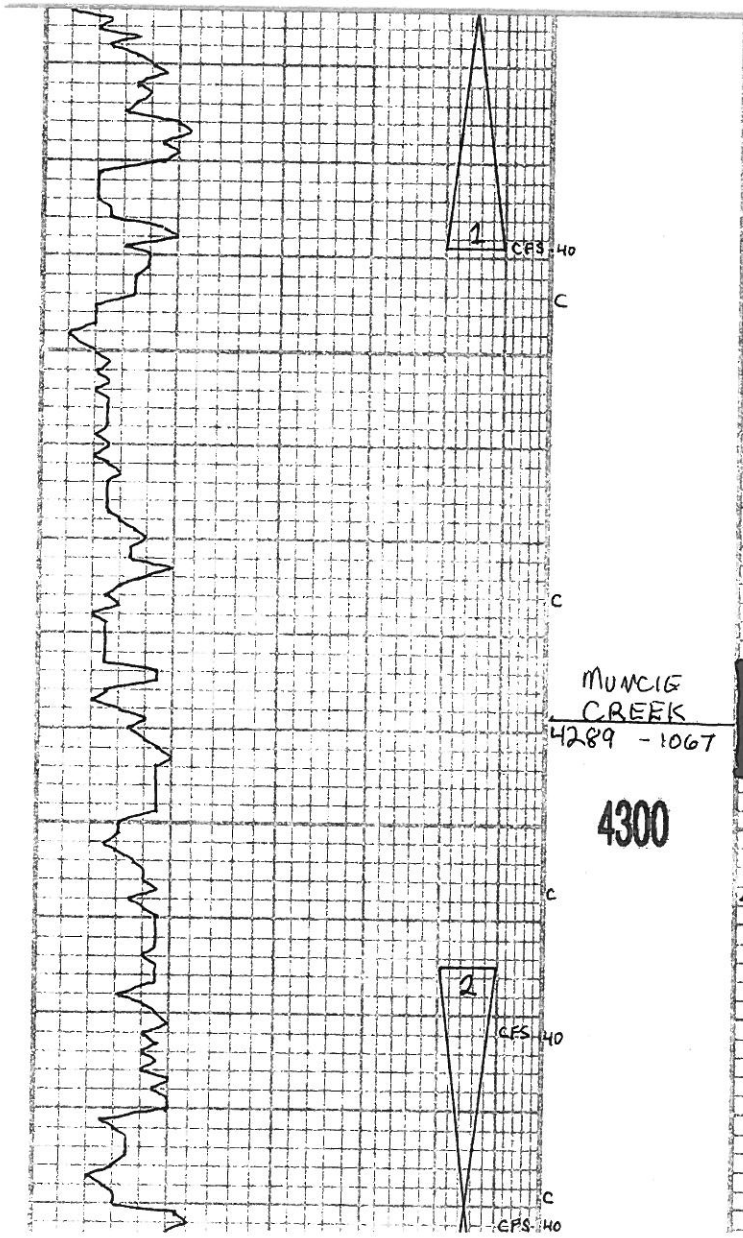


MUD CHECK
VIS 50 WT 8.9
CHLOR 1500. LCM2
FILT 7.2

7 AM 10-4-11
DRLG @ 4040'

VIS 48
WT 8.8


4100
HEEBNER
4104 -882
LANSING
4149 -927
4200
1
LS, BRN, VF XTLN, DNS, S→M HRD
? FRAC'D, NO APP Ø, NS
LS, BUFF, F→M XTLN, HRD, SL FOSS,
P XTLN Ø, NS
SH, BLK, CARB
SH, RED
LS, WHT, F→M XTLN, MILKY WHT,
CRS TEXT, VG XTLN Ø, SL VUGGY Ø
NS
SH DK GRY, BLK
LS, CRM, HRD, VW CMT'D OOLS,
TITE
LS, BUFF, F XTLN, HRD, SCT FOSS
CASTS, VP→TITE XTLN Ø, NS
LS, WHT, VF XTLN, DNS, HRD, SCT
PP XTLN + SML VUG O FILL Ø, BLK
O STNG, TARRY, NO FLUOR, NO ENERGY
V FEW BLK FO ON BRK,
VSL INCR FO ON BRK W/ DEPTH,
PCS EDGE STNG
NO ODOR
OF HC Ø
LS, CRM, VF XTLN, BRITTL, M HRD,
VP XTLN Ø, NS
LS, WHT, M XTLN, G DK O FILL VUG +
XTLN Ø, V FEW GAS BBLS, F SML DK
BRN NAT FO, IN TRY, PCS O COAT'D VUG Ø
STRMG FO (LT BRN)
NO APP ENERGY
NO ODOR
NAT FO
FEW GAS
Vis 47
wt 8.7
ADD MUD
(SHORT TRIP)
DST #1 4188-4239
30-60-45-90
IF: BOB 2¼" ISI: NR
FF: BOB 2¾" FSI: NR
REC: 509' MW 59% W
1575' SW CHLOR 49,000
FP: 91-607, 615-987
SIP: 1241-1245
HP: 2025-2021
TOOL: 100% SW SCUM OF OIL
126°



LS, BUFF, F XTLN, F→G VUG & FILL Ø, STRNG OIL, ? ENERGY, DK OIL, LT SCT FO IN TRAY... NAT, SL SHO GAS BBLS — SHO GAS BBLS SCT FO

CHT, WHT OPAQ

CHLK

LS, WHT, V F XTLN, V FOSS + SL OOL Well CHT CMT'D, TITE, NS

CHLK

CHT, WHT, SL OPAQ, RE XTL'D, LMY, G WEATH Ø, NS

LS, WHT, V F XTLN, D ARG, SL HRD, FEW SCT A REW PCS, V FOSS, TITE NS

SH, BLK CARB

LS, GRY, V F XTLN, LG XTLS W/IN, P Ø, HRD, NS

DOLO, TAN, SUCR, DNS, NO APP Ø, V DNS, NS

LS, GRY, V F XTLN, DNS, M→V HRD, TITE, SL TR FOSS, NS

LS, BRN/GRY, V F XTLN, V DNS, V HRD NO Ø, SL OPAQ, TUBE FOSS W/N

LS, WHT→CRM, V CRS XTLN, VG Ø, SCT O SHO IN Ø — SCT O SHO

2 PCS, CRM, LS, CRS XTLN, V FOSS, G EVEN SCT XTLN + FOSS Ø, P SORT FOSS, BLK O FILL Ø, 1 PC PP→SML VUG Ø, 1 PC AA Ø, NO ENERGY, FLAT FO ON BRK, 1 PC — BLK O FILL Ø — FO BRK

SL FO @ ROCK, DK O, THIN ZONE — FO BRK EVEN STNG

LS, WHT, CRS XTL, ? REWORK, P XTLN SORT, F EVEN SCT O FILL INT XTLN STNG, VG INT XTLN Ø, F→G FO BRK LT PLTY FO, SML DK FO, SL VUGY Ø

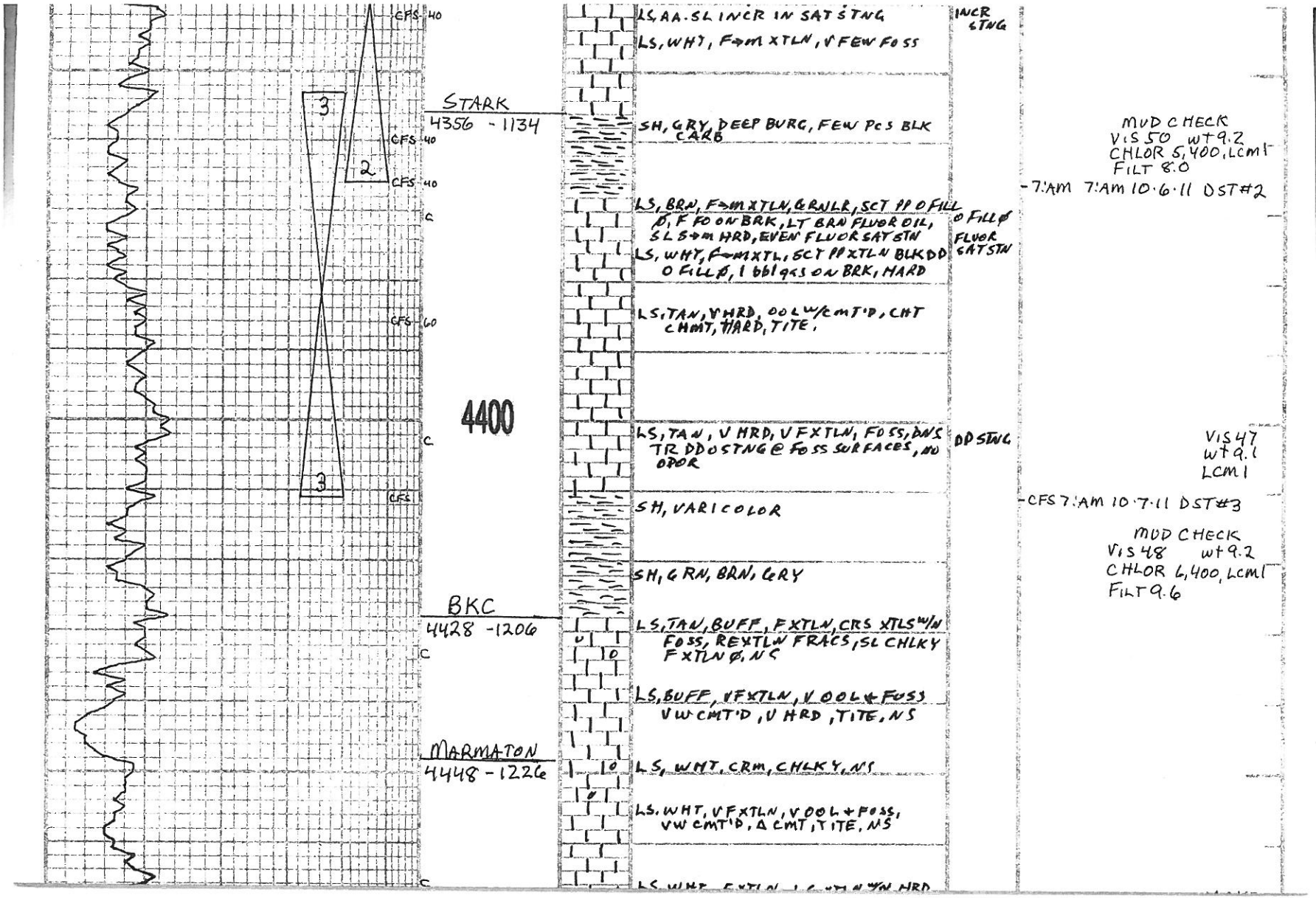
LG AA, SL INCR IN SAT STNG — INCR

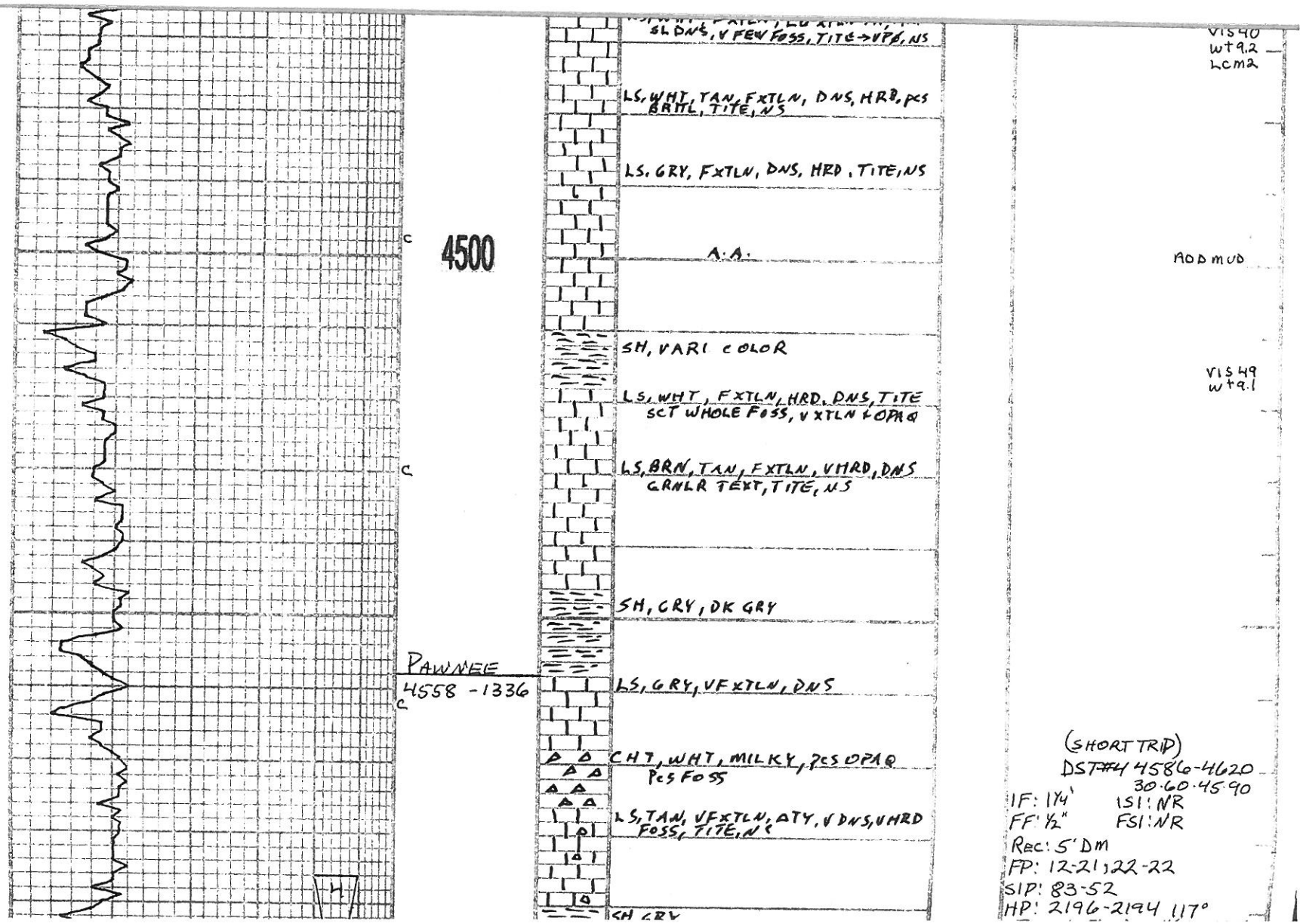
7:Am 10·5·11 · DST#1
STRAP 4246.69
BOARD 4244.32
LONG 2.37 (WINDY)

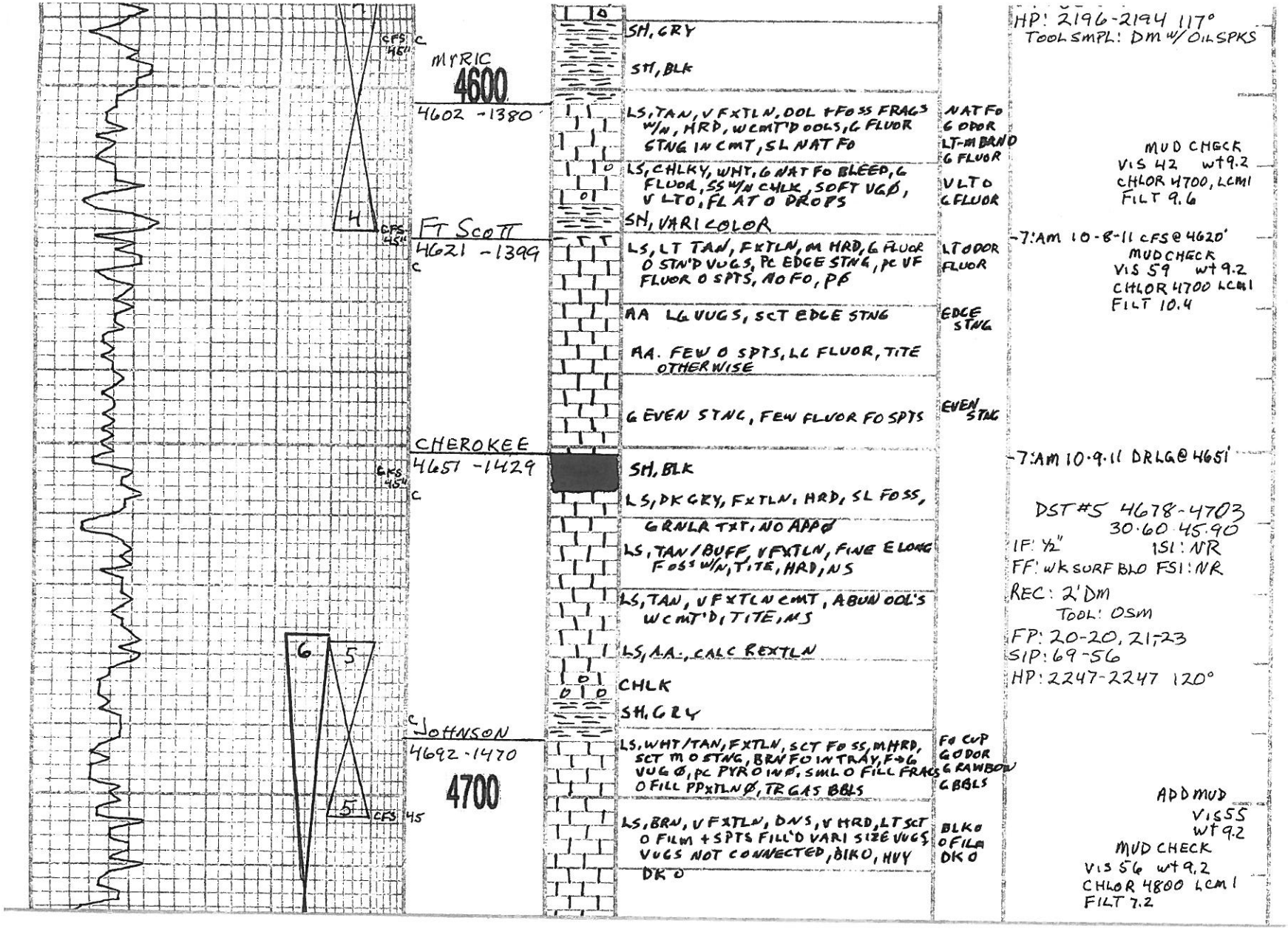
MUD CHECK
VIS 46, WT 9.2
CHLOR 3400, LCM 1
FILT 7.2

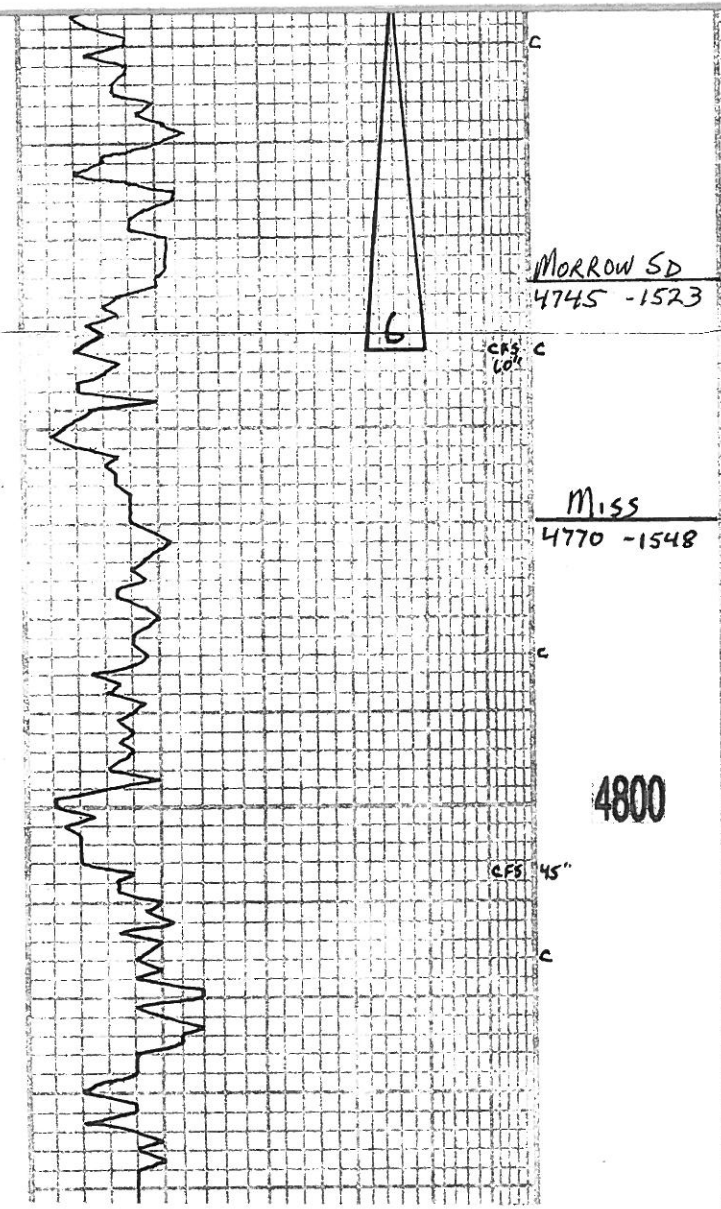
(SHORT TRIP)
DST#2 4315-4366
30·60·45·90
IF: 1" ISI: NR
FF: 1" FSI: NR
REC: 1' CLN O 31.6°
9' OCM 4% O
FP: 21-23, 24-27
SIP: 1313-1321
HP: 2079-2079 114°

DST#3 4353-4411
30·60·45·90
IF: ⅛"→1" ISI: NR
FF: SURF→½" FSI: NR
REC: 5' DM W/O SCUM
FP: 21-21, 22-22
SIP: 618-762
HP: 2101-2102 113°


CFS
40
3
2
CFS
40
CFS
40
C
CFS
60
4400
C
3
CFS
C
STARK
4356 -1134
BKC
4428 -1206
MARMATON
4448 -1226
LS, AA - SL INCR IN SAT STNG
LS, WHT, F→M XTLN, V FEW FOSS
INCR STNG
SH, GRY, DEEP BURG, FEW PCS BLK CARB
LS, BRN, F→M XTLN, GRNLR, SCT PP O FILL Ø, F FO ON BRK, LT BRN FLUOR OIL, SLS→M HRD, EVEN FLUOR SAT STN
O FILL Ø FLUOR SAT STN
LS, WHT, F→M XTL, SCT PP XTLN BLK DD O FILL Ø, 1 bbl qts on BRK, HARD
LS, TAN, V HRD, OOL W/CMT'D, CHT CHMT, HARD, TITE.
LS, TAN, V HRD, V F XTLN, FOSS, DNS TR DD STNG @ FOSS SURFACES, NO ODOR
DD STNG
SH, VARICOLOR
SH, GRN, BRN, GRY
LS, TAN, BUFF, F XTLN, CRS XTLS W/N FOSS, RE XTLN FRACS, SL CHLKY F XTLN Ø, NC
LS, BUFF, VF XTLN, V OOL & FOSS VW CMT'D, V HRD, TITE, NS
LS, WHT, CRM, CHLKY, NS
LS. WHT, VF XTLN, V OOL & FOSS, VW CMT'D, Δ CMT, TITE, NS
LS WHT F XTLN ... W/N HRD
MUD CHECK
VIS 50 WT 9.2
CHLOR 5,400, LCM 1
FILT 8.0
7 AM 7 AM 10-6-11 DST #2
VIS 47
WT 9.1
LCM 1
CFS 7 AM 10-7-11 DST #3
MUD CHECK
VIS 48 WT 9.2
CHLOR 4,400, LCM 1
FILT 9.6


4500
PAWNEE
4558 -1336
SL DNS, V FEW FOSS, TITE → VTR, NS
LS, WHT, TAN, FXTLN, DNS, HRD, pcs BRITL, TITE, NS
LS. GRY, FXTLN, DNS, HRD. TITE, NS
A.A.
SH, VARI COLOR
LS, WHT, FXTLN, HRD, DNS, TITE SCT WHOLE FOSS, V XTLN LOPAQ
LS, BRN, TAN, FXTLN, VHRD, DNS GRNLR TEXT, TITE, NS
SH, GRY, DK GRY
LS, GRY, VF XTLN, DNS
CHT, WHT, MILKY, pcs OPAQ pcs FOSS
LS, TAN, VF XTLN, ATY, V DNS, VHRD FOSS, TITE, NS
CH GRY
VIS 40
wt 9.2
LCM2
MOD MUD
VIS 49
wt 9.1
(SHORT TRIP)
DST#4 4586-4620
30-60-45-90
IF: 1¼'
FF: ½"
ISI: NR
FSI: NR
REC: 5' DM
FP: 12-21, 22-22
SIP: 83-52
HP: 2196-2194 117°


MYRIC
4600
4602 -1380
FT SCOTT
4621 -1399
CHEROKEE
4651 -1429
JOHNSON
4692 -1470
4700
SH, GRY
SH, BLK
LS, TAN, V F XTLN, OOL + FOSS FRAGS W/N, HRD, W CMT'D OOLS, G FLUOR STNG IN CMT, SL NAT FO
NAT FO G ODOR LT-M BRN G FLUOR
LS, CHLKY, WHT, G NAT FO BLEED, G FLUOR, SS W/N CHLK, SOFT VGØ, V LTO, FLAT O DROPS
V LT O G FLUOR
SH, VARI COLOR
LS, LT TAN, F XTLN, M HRD, G FLUOR O STN'D VUGS, PC EDGE STNG, PC VF FLUOR O SPTS, NO FO, PØ
LT ODOR FLUOR
AA LG VUGS, SCT EDGE STNG
EDGE STNG
AA. FEW O SPTS, LG FLUOR, TITE OTHERWISE
G EVEN STNG, FEW FLUOR FO SPTS
EVEN STNG
SH, BLK
LS, DK GRY, F XTLN, HRD, SL FOSS, GRNLR TXT, NO APPØ
LS, TAN/BUFF, V F XTLN, FINE ELONG FOSS W/N, TITE, HRD, NS
LS, TAN, V F XTLN CMT, ABUN OOL'S W CMT'D, TITE, NS
LS, A.A., CALC REXTLN
CHLK
SH, GRY
LS, WHT/TAN, F XTLN, SCT FO SS, M HRD, SCT M O STNG, BRN FO IN TRAY, F→G VUG Ø, PC PYRO INF, SML O FILL FRAGS O FILL PP XTLN Ø, TR GAS BBLS
FO CUT G ODOR G RAWBOW G BBLS
LS, BRN, V F XTLN, DNS, V HRD, LT SCT O FILM + SPTS FILL'D VARI SIZE VUGS VUGS NOT CONNECTED, BIKO, HVY DK O
BLK O FILM DK O
HP: 2196-2194 117°
TOOL SMPL: DM W/ OIL SPKS
MUD CHECK
VIS 42 WT 9.2
CHLOR 4700, LCM1
FILT 9.6
7:AM 10-8-11 CFS @ 4620'
MUD CHECK
VIS 59 WT 9.2
CHLOR 4700 LCM1
FILT 10.4
7:AM 10-9-11 DRLG @ 4651'
DST #5 4678-4703
30-60-45-90
IF: ½" ISI: NR
FF: WK SURF BLO FSI: NR
REC: 2' DM
TOOL: OSM
FP: 20-20, 21-23
SIP: 69-56
HP: 2247-2247 120°
ADD MUD
VIS 55
WT 9.2
MUD CHECK
VIS 56 WT 9.2
CHLOR 4800 LCM 1
FILT 7.2



CHLK, LMY, ? TROD, ? FO FROM ABOVE F SHO GAS

LS, LT GRY, WHT, LT SCT O FILL VUG Ø, DNS, HRD, O FILL FRAC Ø LT ODOR FRAC OIL

SS, WHT, F GRNS, W SORT, PCS FRIABLE PCS V HRD + W CMT'D NS

SH, VARI COLOR, MUSTARD, BLK, GRN

SS, CLR GRNS, LG GRNS, P→W CMT'D PCS, PCS GRY CMT, W SORT F→X Ø, NS

CHT, CHINA WHT

CHT, WHT

LS, TAN, VFXTLN, DNS, HRD, BRTTL TITE, NS

LS, WHT, VFXTLN, V CHLKY, SOFT SL STICKY, NS

SS, WHT, F→M GRNS, P SORT, M HRD, G Ø, NS

LS, BUFF, FXTLN, DNS, HRD, TITE NS

CONGL, VARI COLOR + SIZE GRNS LMY CMT, PCS VG Ø, PCS ? Ø, NS

QTZ XTLS, OPAQ, LG XTLS

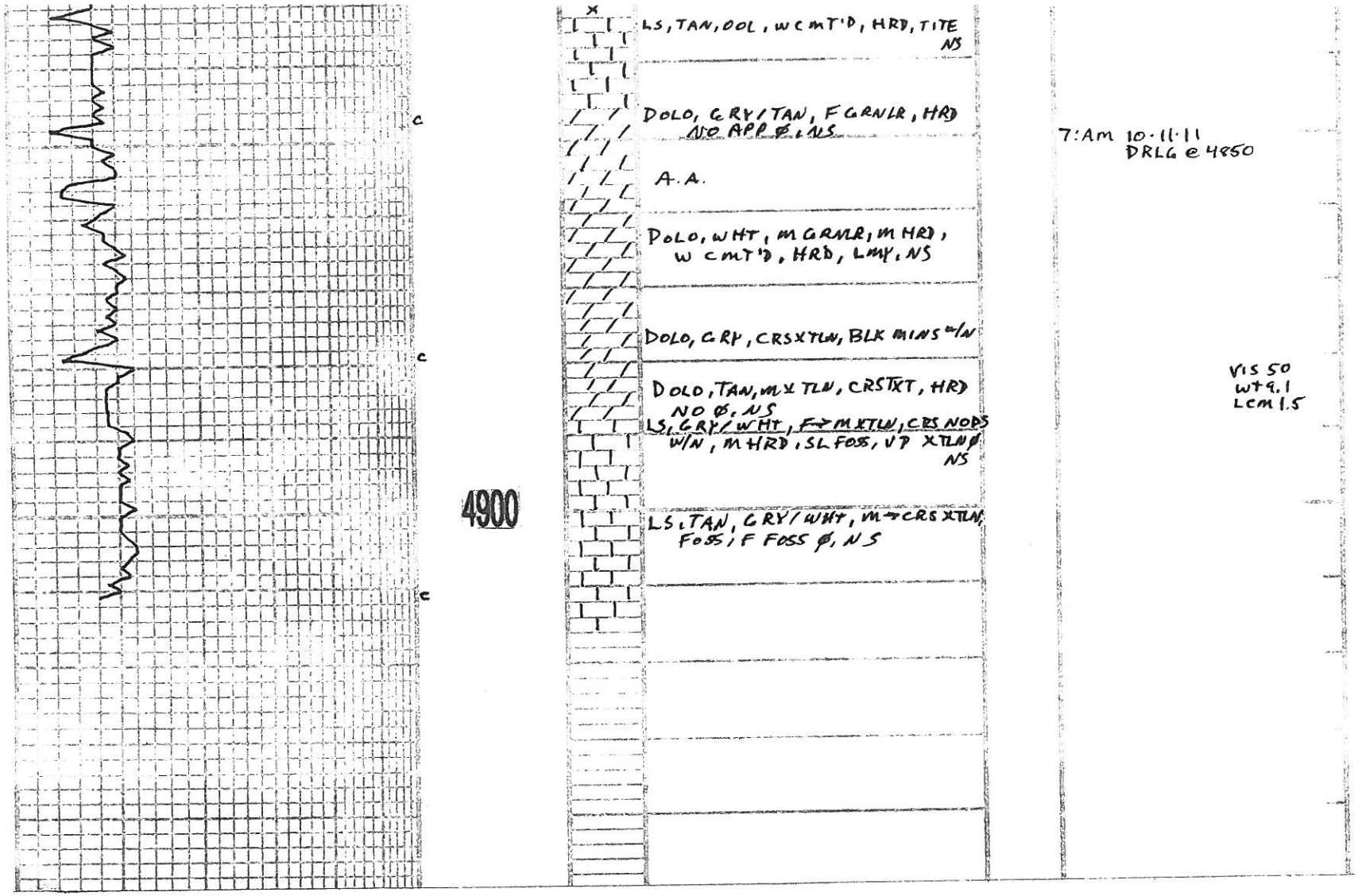
LS, TAN, OOL, W CMT'D, HRD, TITE NS

VIS 57
WT 9.2

- 7:AM 10-10-11 CIRC @ 4752'

DST #6 4677-4752
30-60-45-90
IF: BOB 19" ISI: 1"
FF: BOB 20" FSI: NR
REC: 122' WM · 8% W, SCUM O
126' OCWM 2% O 43% W
126' MW 53% W, SCUM O
126' MW 69% W O SPKS
Tool: 68% W . O SPKS
FP: 29-131, 133-260
SIP: 1113-1114
HP: 2235-2235
CHLOR 25,000, 129°

MUD CHECK
VIS 59 WT 9.2
CHLOR 6,200 LCM 1
FILT & 8


LS, TAN, OOL, W CMT'D, HRD, TITE NS
DOLO, GRY/TAN, F GRNLR, HRD NO APP Ø, NS
A.A.
DOLO, WHT, M GRNLR, M HRD, W CMT'D, HRD, LMY, NS
DOLO, GRY, CRS XTLN, BLK MINS W/N
DOLO, TAN, M X TLN, CRS TXT, HRD NO Ø, NS
LS, GRY/WHT, F→M XTLN, CRS NODS W/N, M HRD, SL FOSS, VP XTLN Ø NS
LS, TAN, GRY/WHT, M→CRS XTLN, FOSS, F FOSS Ø, NS
4900
7:Am 10·11·11
DRLG @ 4850
VIS 50
WT 9.1
LCM 1.5