KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1141350

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6039
Name: L. D. Drilling, Inc.
Address 1: 7 SW 26TH AVE
Address 2:
City: GREAT BEND State: KS Zip: 67530 + 6525
Contact Person: L D DAVIS
Phone: (620) 793-3051
CONTRACTOR: License # 6039
Name: L. D. Drilling, Inc.
Wellsite Geologist: KIM SHOEMAKER
Purchaser: M V PURCHASING

Designate Type of Completion:

- [x] New Well [ ] Re-Entry [ ] Workover
- [x] 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
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

12/28/2012	01/09/2013	03/18/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-063-22073-00-00
Spot Description:
NE - SW - SE - SW Sec. 35 Twp. 11 S. R. 31 [ ] East [x] West
380 Feet from [ ] North / [x] South Line of Section
1830 Feet from [ ] East / [x] West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- [ ] NE [ ] NW [ ] SE [x] SW

County: Gove
Lease Name: LOCKWOOD Well #: 1-35
Field Name: NA
Producing Formation: Muncie Creek, Stark, Myric Station
Elevation: Ground: 2938 Kelly Bushing: 2938
Total Depth: 4609 Plug Back Total Depth: 4608
Amount of Surface Pipe Set and Cemented at: 342 Feet
Multiple Stage Cementing Collar Used? [x] Yes [ ] No
If yes, show depth set: 2496 Feet
If Alternate II completion, cement circulated from: 2496
feet depth to: 0 w/ 225 sx cmt.

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

Chloride content: 3500 ppm Fluid volume: 0 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

- [ ] **Letter of Confidentiality Received**
  Date:
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrison **Date:** 05/28/2013

Side Two

1141350

Operator Name: L. D. Drilling, Inc. Lease Name: LOCKWOOD Well #: 1-35

Sec. 35 Twp. 11 S. R. 31 ☐ East ☑ West County: Gove

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

MICRO LOG
COMPENSATED DENSITY / NEUTRON LOG
DUAL INDUCTION LOG

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

Name	Top	Datum
Attached	Attached	Attached

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	342	60/40 POZMIX	240	3%CC, 1/4# Cell Flake
PRODUCTION-Top Stage	7.875	4.5	11.6	3608	COMMON	225	18%Salt,1/4DeFoamer
PRODUCTION-Bottom Stage	7.875	4.5	11.6	3608	A CONN	460	3%CC,1/4#CellFlake

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	-			
	-			

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	4190 - 4194'	500 gal 20% HCL Acid	
4	4432 - 4434'	1000 gal 20% HCL Acid	
4	4216 - 4220'	1250 gal 28% HCL Acid	

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

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	LOCKWOOD 1-35
Doc ID	1141350

Tops

Name	Top	Datum
Top Anhydrite	2452	+486
Base Anhydrite	2477	+461
Statler	3595	-657
Heebner	3948	-1010
Lansing	3994	-1056
Muncie Creek	4122	-1184
Stark	4204	-1266
Hush	4238	-1300
Base Kansas City	4263	-1325
Marmaton	4290	-1352
Pawnee	4389	-1451
Myric Station	4432	-1494
Fort Scott	4455	-1517
Cherokee	4482	-1544
Johnson	4524	-1584
Mississippi	4542	-1604

DIAMOND TESTING

General Information Report

General Information

Company Name	**L.D. DRILLING, INC.**	**Representative**	**TIM VENTERS**
Contact	**L.D. DAVIS**	**Well Operator**	**L.D. DRILLING, INC.**
Well Name	**LOCKWOOD #1-35**	**Report Date**	**2012/01/05**
Unique Well ID	**DST #1, TOR.-LKC "B", 3954-4045**	**Prepared By**	**TIM VENTERS**
Surface Location	**SEC 35-11S-31W, GOVE CO. KS.**		
Field	**WILDCAT**	**Qualified By**	**KIM SHOEMAKER**
Well Type	**Vertical**		
Test Type	**CONVENTIONAL**		
Formation	**DST #1, TOR.-LKC "B", 3954-4045**		
Well Fluid Type	**01 Oil**		
Start Test Date	**2013/01/04**	**Start Test Time**	**17:39:00**
Final Test Date	**1013/01/05**	**Final Test Time**	**01:34:00**

Test Recovery:

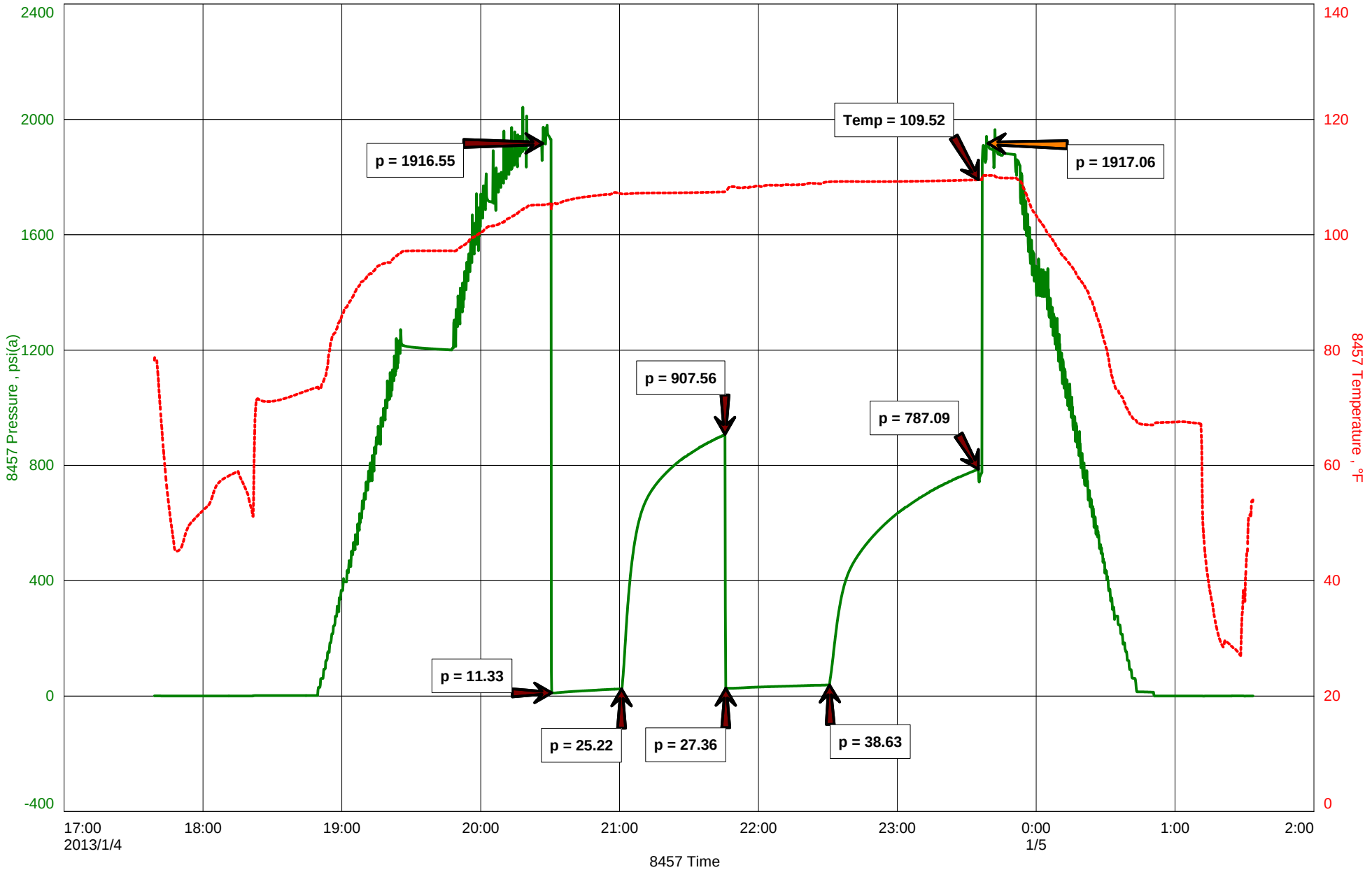
RECOVERED: 70' MUD

TOOL SAMPLE: TRACE OIL, 100% MUD

L.D. DRILLING, INC.
DST #1, TOR.-LKC "B", 3954-4045
Start Test Date: 2013/01/04
Final Test Date: 1013/01/05

LOCKWOOD #1-35
Formation: DST #1, TOR.-LKC "B", 3954-4045
Pool: WILDCAT
Job Number: T146

LOCKWOOD #1-35



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

DRILL-STEM TEST TICKET
FILE: LOCKWOOD1-35DST1

TIME ON: 17:39 1-4-13
TIME OFF: 10:34 1-5-13

Company L.D. DRILLING, INC. Lease & Well No. LOCKWOOD #1-35

Contractor L.D. DRILLING, INC. RIG #1 Charge to L.D. DRILLING, INC.

Elevation 2938 KB Formation TOR.-LKC "B" Effective Pay ____ Ft. Ticket No. T146

Date 1-4-13 Sec. 35 Twp. 11 S Range 31 W County GOVE State KANSAS

Test Approved By KIM SHOEMAKER Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 3954 ft. to 4045 ft. Total Depth 4045 ft.

Packer Depth 3949 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Packer Depth 3954 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3940 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4042 ft. Recorder Number 11030 Cap. 5,025 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 8.9 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 1,000 P.P.M. Drill Pipe Length 3926 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number S. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 28 ft. Size 4 1/2-FH in

63' DP IN ANCHOR

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 1/2 INCH BLOW BUILDING TO 4 INCHES. (NOBB)

2nd Open: WEAK SURFACE BLOW, BUILDING TO 2 INCHES (NOBB)

Recovered 70 ft. of MUD

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: ____

TOOL SAMPLE: TRACE OIL, 100% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 8:30 PM A.M. P.M. Time Started Off Bottom 11:30 PM A.M. P.M. Maximum Temperature 110 deg.

Initial Hydrostatic Pressure ..... (A) 1917 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 11 P.S.I. to (C) 25 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 908 P.S.I.

Final Flow Period ..... Minutes 45 (E) 27 P.S.I. to (F) 39 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 787 P.S.I.

Final Hydrostatic Pressure ..... (H) 1917 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name	**L.D. DRILLING, INC.**	**Representative**	**TIM VENTERS**
Contact	**L.D. DAVIS**	**Well Operator**	**L.D. DRILLING, ING.**
Well Name	**LOCKWOOD #1-35**	**Report Date**	**2013/01/05**
Unique Well ID	**DST #2, LANS. "E-F", 4056-4080**	**Prepared By**	**TIM VENTERS**
Surface Location	**SEC 35-11S-31W, GOVE CO. KS.**		
Field	**WILDCAT**	**Qualified By**	**KIM SHOEMAKER**
Well Type	**Vertical**		
Test Type	**CONVENTIONAL**		
Formation	**DST #2, LANS. "E-F", 4056-4080**		
Well Fluid Type	**01 Oil**		
Start Test Date	**2013/01/05**	**Start Test Time**	**09:39:00**
Final Test Date	**2013/01/05**	**Final Test Time**	**17:15:00**

Test Recovery:

RECOVERED: 80' SMCW W/TR. OIL, TRACE OIL, 77% WATER, 23% MUD
190' SMCW, 93% WATER, 7% MUD
270' TOTAL FLUID

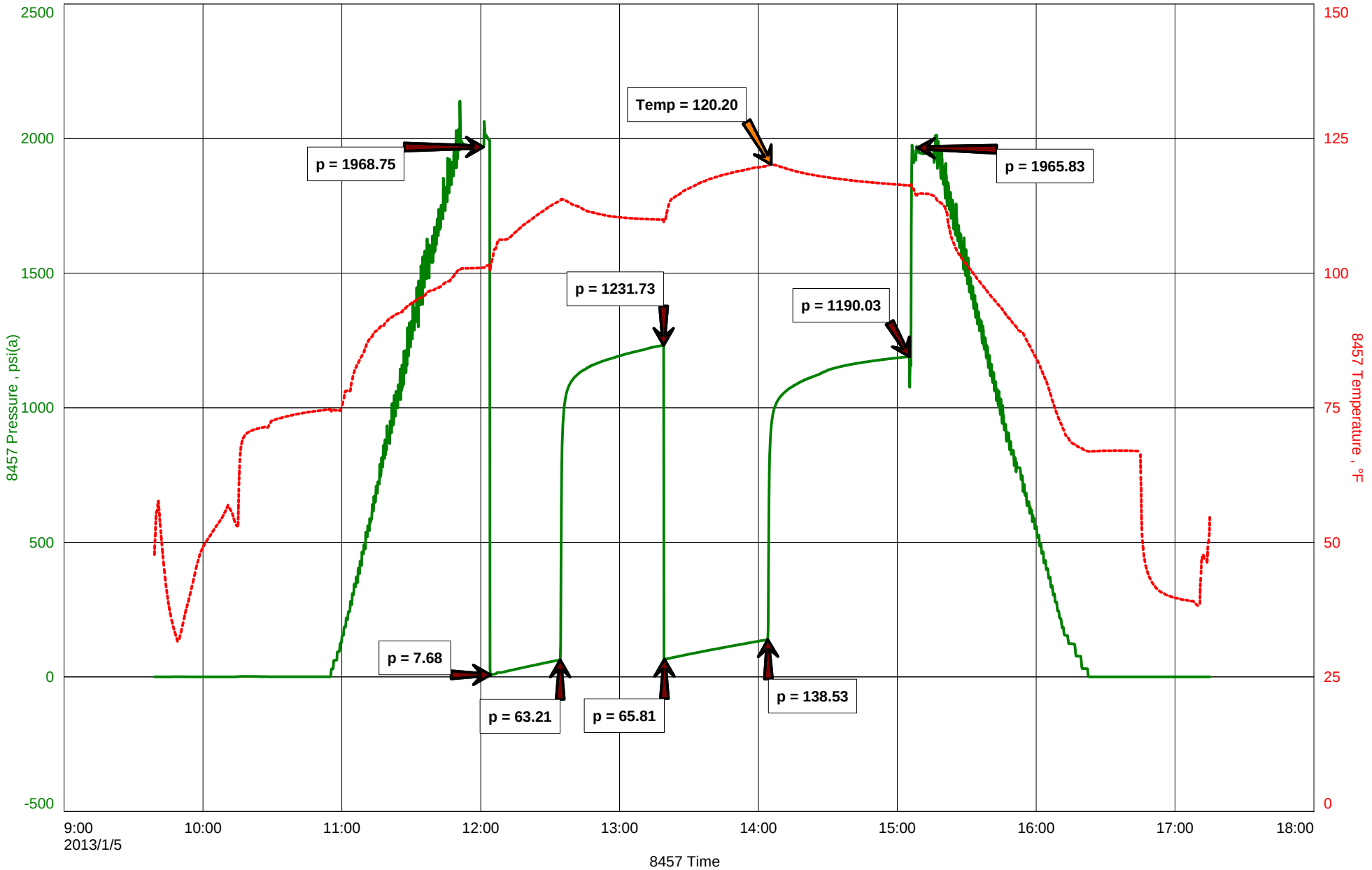
TOOL SAMPLE: SPOTTY OIL, 100% WATER

CHLORIDES: 128,000 ppm
PH: 6.0
RW: .13 @ 58 deg.

L.D. DRILLING, INC.
DST #2, LANS. "E-F", 4056-4080
Start Test Date: 2013/01/05
Final Test Date: 2013/01/05

LOCKWOOD #1-35
Formation: DST #2, LANS. "E-F", 4056-4080
Pool: WILDCAT
Job Number: T147

LOCKWOOD #1-35



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

DRILL-STEM TEST TICKET
FILE: LOCKWOOD1-35DST2

TIME ON: 09:39
TIME OFF: 17:15

Company L.D. DRILLING, INC. Lease & Well No. LOCKWOOD #1-35

Contractor L.D. DRILLING, INC. RIG #1 Charge to L.D. DRILLING, INC.

Elevation 2938 KB Formation LANS. "E-F" Effective Pay ____ Ft. Ticket No. T147

Date 1-5-13 Sec. 35 Twp. 11 S Range 31 W County GOVE State KANSAS

Test Approved By KIM SHOEMAKER Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 4056 ft. to 4080 ft. Total Depth 4080 ft.

Packer Depth 4051 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Packer Depth 4056 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4042 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4077 ft. Recorder Number 11030 Cap. 5,025 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 9.0 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 1,000 P.P.M. Drill Pipe Length 4028 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number S. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 24 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 1/4 INCH BLOW, BUILDING, REACHING BOB 30 MIN. (NOBB)

2nd Open: VERY WEAK SURFACE BLOW, BUILDING, REACHING BOB 41 MIN. (NOBB)

Recovered 80 ft. of SMCW W/TR. OIL, TRACE OIL, 77% WATER, 23% MUD

Recovered 190 ft. of SMCW, 93% WATER, 7% MUD

Recovered 270 ft. of TOTAL FLUID

Recovered ____ ft. of ____

Recovered ____ ft. of CHLORIDES: 128,000 ppm

Recovered ____ ft. of PH: 6.0

Remarks: RW: .13 @ 58 deg.

TOOL SAMPLE: SPOTTY OIL, 100% WATER

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 12:03 PM A.M. P.M. Time Started Off Bottom 3:03 PM A.M. P.M. Maximum Temperature 120 deg.

Initial Hydrostatic Pressure ..... (A) 1969 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 8 P.S.I. to (C) 63 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 1212 P.S.I.

Final Flow Period ..... Minutes 45 (E) 66 P.S.I. to (F) 139 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 1190 P.S.I.

Final Hydrostatic Pressure ..... (H) 1966 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name	**L.D. DRILLING, INC.**	**Representative**	**TIM VENTERS**
Contact	**L.D. DAVIS**	**Well Operator**	**L.D. DRILLING, INC.**
Well Name	**LOCKWOOD #1-35**	**Report Date**	**2012/01/06**
Unique Well ID	**DST #3, LKC "H-J", 4120-4210**	**Prepared By**	**TIM VENTERS**
Surface Location	**SEC 35-11S-31W, GOVE CO. KS.**		
Field	**WILDCAT**	**Qualified By**	**KIM SHOEMAKER**
Well Type	**Vertical**		
Test Type	**CONVENTIONAL**		
Formation	**DST #3, LKC "H-J", 4120-4210**		
Well Fluid Type	**01 Oil**		
Start Test Date	**2012/01/06**	**Start Test Time**	**08:30:00**
Final Test Date	**2012/01/06**	**Final Test Time**	**16:21:00**

Test Recovery:

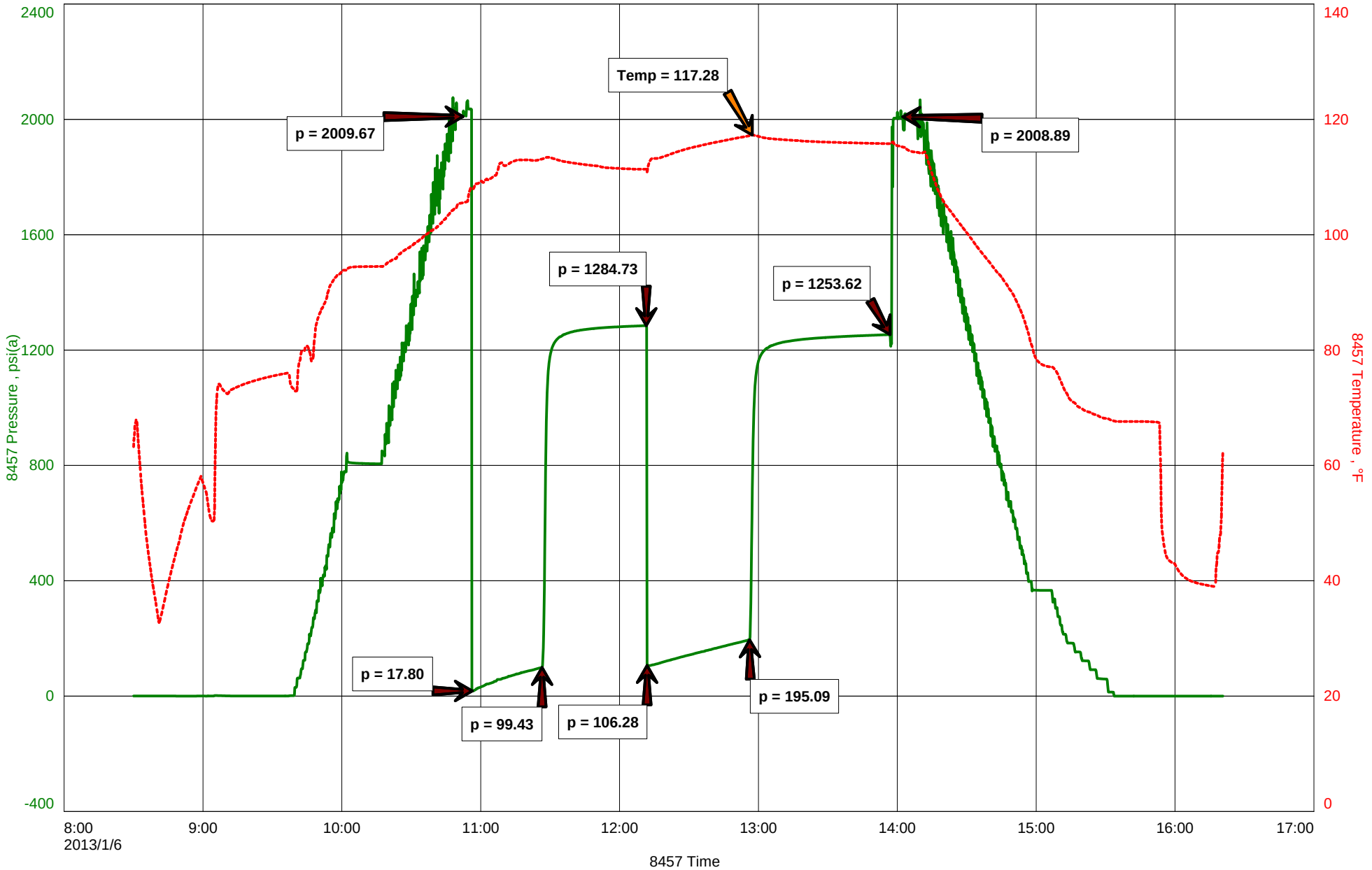
RECOVERED: 420' GAS IN PIPE
5' CLEAN OIL, GRAVITY: 34
155' G,SWHMCO, 7% GAS, 51% OIL, 3% WATER, 39% MUD
130' G,SOHWCM, 9% GAS, 8% OIL, 32% WATER, 51% MUD
125' G,SOMCW, 7% GAS, 7% OIL, 57% WATER, 29% MUD
415' TOTAL FLUID
TOOL SAMPLE: 7% OIL, 89% WATER, 4% MUD

CHLORIDES: 95,000 ppm
PH: 6.5
RW: .10 @ 72 deg.

L.D. DRILLING, INC.
DST #3, LKC "H-J", 4120-4210
Start Test Date: 2012/01/06
Final Test Date: 2012/01/06

LOCKWOOD #1-35
Formation: DST #3, LKC "H-J", 4120-4210
Pool: WILDCAT
Job Number: T148

LOCKWOOD #1-35



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

DRILL-STEM TEST TICKET
FILE: LOCKWOOD1-35DST3

TIME ON: 08:30
TIME OFF: 16:21

Company L.D. DRILLING, INC. Lease & Well No. LOCKWOOD #1-35

Contractor L.D. DRILLING, INC. RIG #1 Charge to L.D. DRILLING, INC.

Elevation 2938 KB Formation LANS. "H-J" Effective Pay ____ Ft. Ticket No. T148

Date 1-6-13 Sec. 35 Twp. 11 S Range 31 W County GOVE State KANSAS

Test Approved By KIM SHOEMAKER Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 3 Interval Tested from 4120 ft. to 4210 ft. Total Depth 4210 ft.

Packer Depth 4115 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Packer Depth 4120 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4106 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4207 ft. Recorder Number 11030 Cap. 5,025 P.S.I.

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

Mud Type CHEMICAL Viscosity 51 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 1,000 P.P.M. Drill Pipe Length 4092 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number S. JT. Test Tool Length 28 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

63' DP IN ANCHOR

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 INCH BLOW, BUILDING, REACHING BOB 11 MIN. (1/4"BB)

2nd Open: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 15 MIN. (3"BB)

Recovered 420 ft. of GAS IN PIPE

Recovered 5 ft. of CLEAN OIL, GRAVITY: 34

Recovered 155 ft. of G,SWHMCO, 7% GAS, 51% OIL, 3% WATER, 39% MUD

Recovered 130 ft. of G,SOHWCM, 9% GAS, 8% OIL, 32% WATER. 51% MUD

Recovered 125 ft. of G,SOMCW, 7% GAS, 7% OIL, 57% WATER, 29% MUD

Recovered 415 ft. of TOTAL FLUID CHLORIDES: 95,000 ppm

Remarks: PH: 6.5

RW: .10 @ 72 deg.

TOOL SAMPLE: 7% OIL, 89% WATER, 4% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 10:56 AM A.M. P.M. Time Started Off Bottom 1:56 PM A.M. P.M. Maximum Temperature 117 deg.

Initial Hydrostatic Pressure ..... (A) 2010 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 18 P.S.I. to (C) 99 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 1285 P.S.I.

Final Flow Period ..... Minutes 45 (E) 106 P.S.I. to (F) 195 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 1254 P.S.I.

Final Hydrostatic Pressure ..... (H) 2009 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name	**L.D. DRILLING, INC.**	**Representative**	**TIM VENTERS**
Contact	**L.D. DAVIS**	**Well Operator**	**L.D. DRILLING, INC.**
Well Name	**LOCKWOOD #1-35**	**Report Date**	**2012/01/07**
Unique Well ID	**DST #4, LKC "K-L", 4203-4260**	**Prepared By**	**TIM VENTERS**
Surface Location	**SEC 35-11S-31W, GOVE CO. KS.**		
Field	**WILDCAT**	**Qualified By**	**KIM SHOEMAKER**
Well Type	**Vertical**		
Test Type	**CONVENTIONAL**		
Formation	**DST #4, LKC "K-L", 4203-4260**		
Well Fluid Type	**01 Oil**		
Start Test Date	**2012/01/07**	**Start Test Time**	**01:40:00**
Final Test Date	**2012/01/07**	**Final Test Time**	**08:55:00**

Test Recovery:

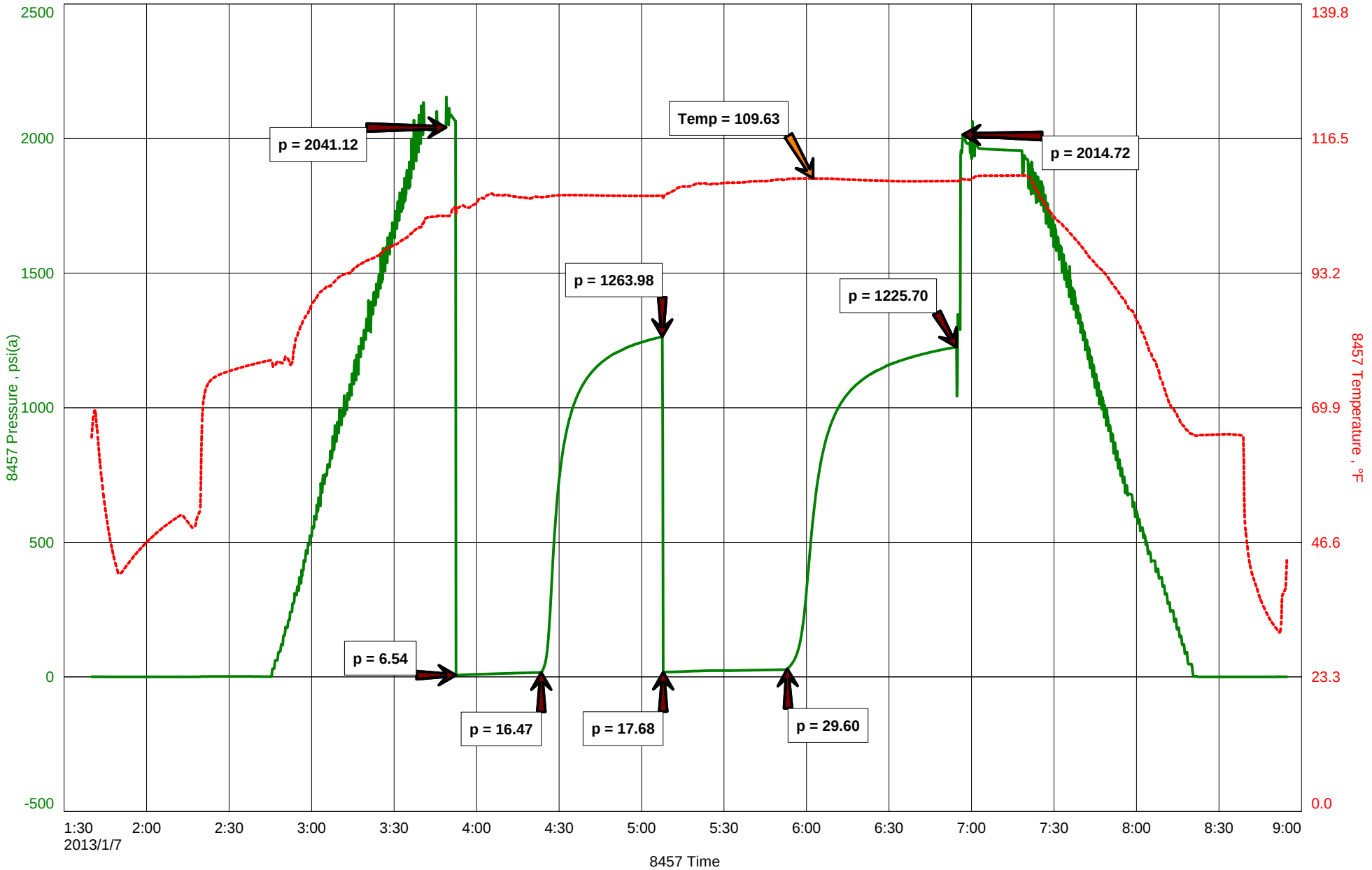
RECOVERED: VSOCM, 1% OIL, 99% MUD

TOOL SAMPLE: 1% OIL, 99% MUD

L.D. DRILLING, INC.
DST #4, LKC "K-L", 4203-4260
Start Test Date: 2012/01/07
Final Test Date: 2012/01/07

LOCKWOOD #1-35
Formation: DST #4, LKC "K-L", 4203-4260
Pool: WILDCAT
Job Number: T149

LOCKWOOD #1-35



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

DRILL-STEM TEST TICKET
FILE: LOCKWOOD1-35DST4

TIME ON: 01:40
TIME OFF: 08:55

Company L.D. DRILLING, INC. Lease & Well No. LOCKWOOD #1-35

Contractor L.D. DRILLING, INC. RIG #1 Charge to L.D. DRILLING, INC.

Elevation 2938 KB Formation LANS. "K-L" Effective Pay ____ Ft. Ticket No. T149

Date 1-7-13 Sec. 35 Twp. 11 S Range 31 W County GOVE State KANSAS

Test Approved By KIM SHOEMAKER Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 4 Interval Tested from 4203 ft. to 4260 ft. Total Depth 4260 ft.

Packer Depth 4198 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Packer Depth 4203 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4189 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4257 ft. Recorder Number 11030 Cap. 5,025 P.S.I.

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

Mud Type CHEMICAL Viscosity 51 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 1,000 P.P.M. Drill Pipe Length 4175 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number S. JT. Test Tool Length 28 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

32' DP IN ANCHOR

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 1/2 INCH BLOW, BUILDING TO 2 1/2 INCHES. (NOBB)

2nd Open: WEAK SURFACE BLOW, BUILDING TO 2 INCHES. (NOBB)

Recovered 50 ft. of VSOCM 1% OIL, 99% MUD

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____ | Price Job

Recovered ____ ft. of ____ | Other Charges

Remarks: ____ | Insurance

TOOL SAMPLE: 1% OIL, 99% MUD | Total

Time Set Packer(s) 3:52 AM A.M. P.M. Time Started Off Bottom 6:54 AM A.M. P.M. Maximum Temperature 110 deg.

Initial Hydrostatic Pressure ..... (A) 2041 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 7 P.S.I. to (C) 16 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 1264 P.S.I.

Final Flow Period ..... Minutes 45 (E) 18 P.S.I. to (F) 30 P.S.I.

Final Closed In Period ..... Minutes 62 (G) 1226 P.S.I.

Final Hydrostatic Pressure ..... (H) 2015 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name	L.D. DRILLING, INC.	**Representative**	TIM VENTERS
Contact	L.D. DAVIS	**Well Operator**	L.D. DRILLING, INC.
Well Name	LOCKWOOD #1-35	**Report Date**	2012/01/08
Unique Well ID	DST #5. MYR./FT. SCOTT, 4408-4480	**Prepared By**	TIM VENTERS
Surface Location	SEC 35-11S-31W, GOVE CO. KS.		
Field	WILDCAT	**Qualified By**	KIM SHOEMAKER
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #5, MYR./FT. SCOTT, 4408-4480		
Well Fluid Type	01 Oil		
Start Test Date	2013/01/08	**Start Test Time**	14:08:00
Final Test Date	2013/01/08	**Final Test Time**	21:47:00

Test Recovery:

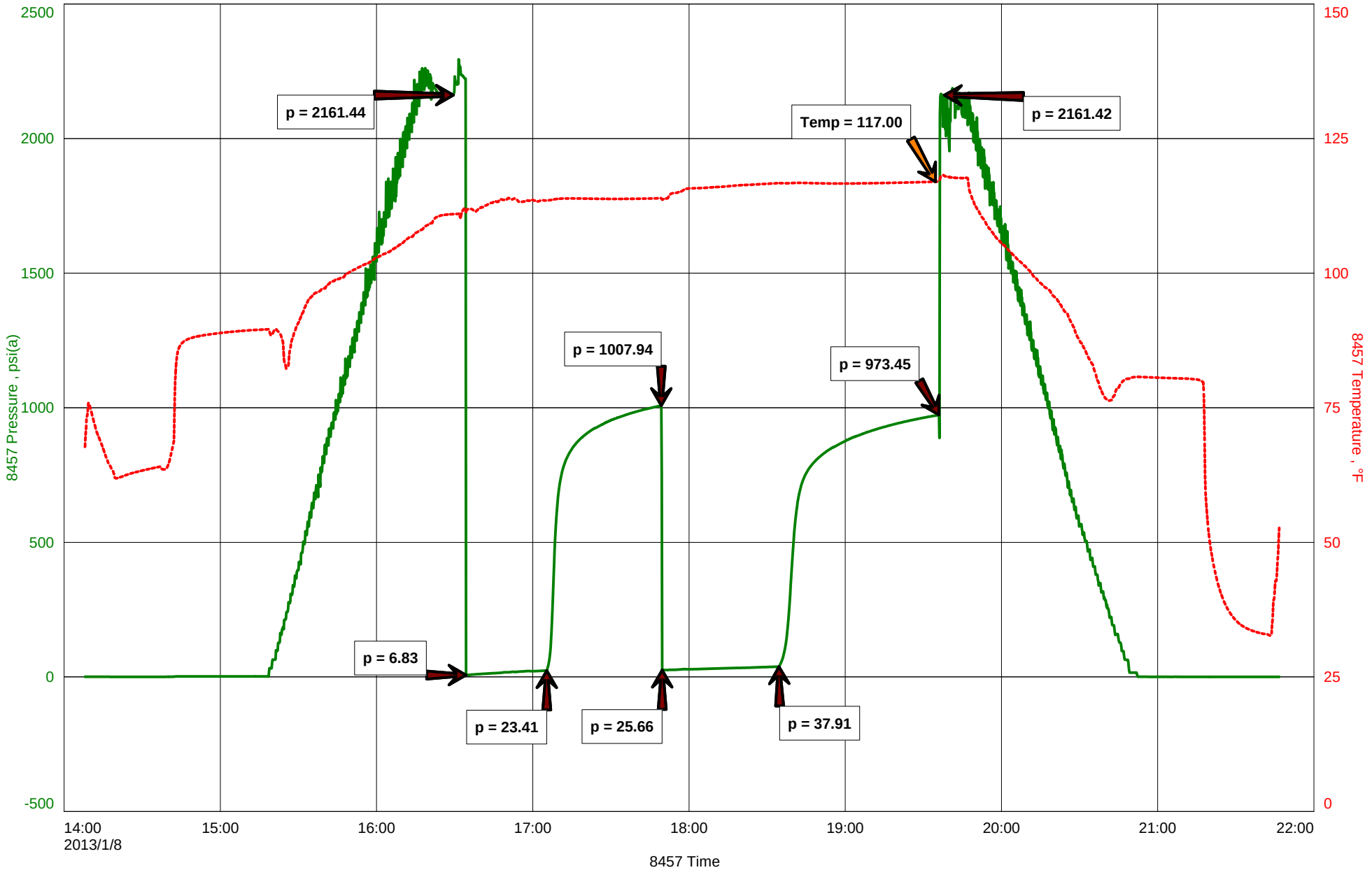
RECOVERED: 70' M W/TR. OIL, TRACE OIL, 100% MUD

TOOL SAMPLE: TRACE OIL, 100% MUD

L.D. DRILLING, INC.
DST #5. MYR./FT. SCOTT, 4408-4480
Start Test Date: 2013/01/08
Final Test Date: 2013/01/08

LOCKWOOD #1-35
Formation: DST #5, MYR./FT. SCOTT, 4408-4480
Pool: WILDCAT
Job Number: T150

LOCKWOOD #1-35



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

DRILL-STEM TEST TICKET
FILE: LOCKWOOD1-35DST5

TIME ON: 14:08
TIME OFF: 21:47

Company L.D. DRILLING, INC. Lease & Well No. LOCKWOOD #1-35

Contractor L.D. DRILLING, INC. RIG #1 Charge to L.D. DRILLING, INC.

Elevation 2938 KB Formation MYRICK/FT. SCOTT Effective Pay _____ Ft. Ticket No. T150

Date 1-8-13 Sec. 35 Twp. 11 S Range 31 W County GOVE State KANSAS

Test Approved By KIM SHOEMAKER Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 5 Interval Tested from 4408 ft. to 4480 ft. Total Depth 4480 ft.

Packer Depth 4403 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4408 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4394 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4477 ft. Recorder Number 11030 Cap. 5,025 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 9.3 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 3,000 P.P.M. Drill Pipe Length 4375 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 40 ft. Size 4 1/2-FH in

32' DP IN ANCHOR

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, BUILDING TO 2 1/2 INCHES. (NOBB)

2nd Open: VERY WEAK SURFACE BLOW, BUILDING TO 2 INCHES. (NOBB)

Recovered 70 ft. of M W/TR. OIL, TRACE OIL, 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: TRACE OIL, 100% MUD | Total

Time Set Packer(s) 4:34 PM A.M. P.M. Time Started Off Bottom 7:36 PM A.M. P.M. Maximum Temperature 117 deg.

Initial Hydrostatic Pressure ..... (A) 2161 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 7 P.S.I. to (C) 23 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 1008 P.S.I.

Final Flow Period ..... Minutes 45 (E) 26 P.S.I. to (F) 38 P.S.I.

Final Closed In Period ..... Minutes 62 (G) 973 P.S.I.

Final Hydrostatic Pressure ..... (H) 2161 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name	L.D. DRILLING, INC.	**Representative**	TIM VENTERS
Contact	L.D. DAVIS	**Well Operator**	L.D. DRILLING, INC.
Well Name	LOCKWOOD #1-35	**Report Date**	2012/01/09
Unique Well ID	DST #6, MISS. SPERGEN, 4595-4609	**Prepared By**	TIM VENTERS
Surface Location	SEC 35-11S-31W, GOVE CO. KS.		
Field	WILDCAT	**Qualified By**	KIM SHOEMAKER
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #6, MISS. SPERGEN, 4595-4609		
Well Fluid Type	01 Oil		
Start Test Date	2013/01/09	**Start Test Time**	15:51:00
Final Test Date	2013/01/09	**Final Test Time**	23:35:00

Test Recovery:

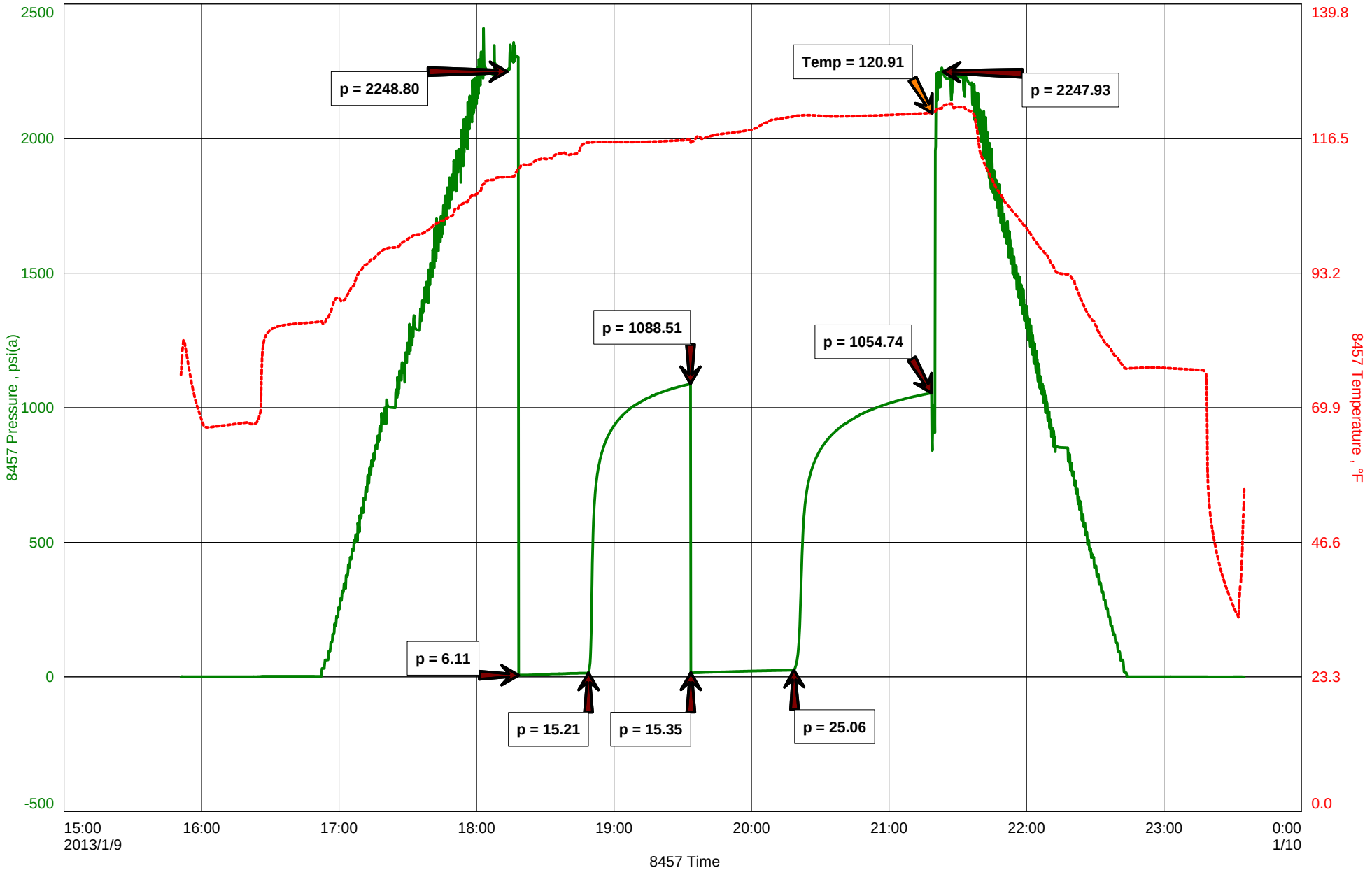
RECOVERED: 1' CLEAN OIL
44' SO&WCM, 4%OIL, 10% WATER, 86% MUD
45' TOTAL FLUID

TOOL SAMPLE: 6% OIL, 7% WATER, 87% MUD

L.D. DRILLING, INC.
DST #6, MISS. SPERGEN, 4595-4609
Start Test Date: 2013/01/09
Final Test Date: 2013/01/09

LOCKWOOD #1-35
Formation: DST #6, MISS. SPERGEN, 4595-4609
Pool: WILDCAT
Job Number: T151

LOCKWOOD #1-35



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

DRILL-STEM TEST TICKET
FILE: LOCKWOOD1-35DST6

TIME ON: 15:51
TIME OFF: 23:35

Company L.D. DRILLING, INC. Lease & Well No. LOCKWOOD #1-35

Contractor L.D. DRILLING, INC. RIG #1 Charge to L.D. DRILLING, INC.

Elevation 2938 KB Formation MISS. SPERGEN Effective Pay ____ Ft. Ticket No. T151

Date 1-9-13 Sec. 35 Twp. 11 S Range 31 W County GOVE State KANSAS

Test Approved By KIM SHOEMAKER Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 6 Interval Tested from 4595 ft. to 4609 ft. Total Depth 4609 ft.

Packer Depth 4590 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Packer Depth 4595 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4576 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4606 ft. Recorder Number 11030 Cap. 5,025 P.S.I.

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

Mud Type CHEMICAL Viscosity 54 Drill Collar Length 0 ft. I.D. 2 1/4 in.

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

Chlorides 3,500 P.P.M. Drill Pipe Length 4562 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 14 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 1/4 INCH BLOW, BUILDING TO 2 INCHES. (NOBB)

2nd Open: WEAK SURFACE BLOW, BUILDING TO 1 1/2 INCHES. (NOBB)

Recovered 1 ft. of CLEAN OIL

Recovered 44 ft. of SO&WCM, 4% OIL, 10% WATER, 86% MUD

Recovered 45 ft. of TOTAL FLUID

Recovered ____ ft. of ____

Recovered ____ ft. of CHLORIDES: 15,000 ppm

Recovered ____ ft. of PH: 10.0

Remarks: RW: .35 @ 95 deg.

TOOL SAMPLE: 6% OIL, 7% WATER, 87% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 6:18 PM A.M. P.M. Time Started Off Bottom 9:18 PM A.M. P.M. Maximum Temperature 120 deg.

Initial Hydrostatic Pressure ..... (A) 2249 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 6 P.S.I. to (C) 15 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 1089 P.S.I.

Final Flow Period ..... Minutes 45 (E) 15 P.S.I. to (F) 25 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 1055 P.S.I.

Final Hydrostatic Pressure ..... (H) 2248 P.S.I.

KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 * WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.

LEASE #1-35 LOCKWOOD

FIELD WILDCAT

LOCATION 352' FSL & 1806' FWL

SEC 35 TWSP 11s RGE 31w

COUNTY GOVE STATE KANSAS

CONTRACTOR L. D. DRILLING, INC.

SPUD 12-28-12 COMP 1-10-13

RTD 4609 LTD 4611

MUD UP 3469 TYPE MUD CHEMICAL

ELEVATIONS

KB 2938

DF

GL 2933

Measurements Are All From 2938 KB

CASING

SURFACE 8 5/8" @ 342'

PRODUCTION 4 1/2" @

ELECTRICAL SURVEYS

DUAL IND., DENS.-N., MICRO

SAMPLES SAVED FROM 3600 TO 4609

DRILLING TIME KEPT FROM 3500 TO 4609

SAMPLES EXAMINED FROM 3600 TO 4609

GEOLOGICAL SUPERVISION FROM 3800 TO 4609

GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	2452 + 486	2452 + 486
B/ANH.	2477 + 461	2478 + 460
STOTLER	3595 - 657	3588 - 650
HEEBNER	3948 - 1010	3947 - 1009
LANSING	3994 - 1056	3983 - 1045
STARK	4204 - 1266	4204 - 1266
MARMATON	4290 - 1352	4288 - 1350
FORT SCOTT	4455 - 1517	4454 - 1516
CHEROKEE	4482 - 1544	4479 - 1541
MISSISSIPPI	4542 - 1604	4540 - 1602
MISS. SPERGEN	NR	4603 - 1665

35

API: 15-063-22073

REMARKS

12:28-12 SPUD 1-10-13 @ 4609'
12:29 @ 347'
12:30 @ 1080'
12:31 @ 2185'
1-1 @ 2955'
1-2 @ 3360'
1-3 @ 3710'
1-4 @ 4045'
1-5 @ 4075'
1-6 @ 4210'
1-7 @ 4260'
1-8 @ 4444'
1-9 @ 4537'

LEGEND

Dolomite
Chert
Dol. Lime
Limestone
Carb. sh
Shale
Sandstone
Salt
Anhydrite

SIKOC01-06

REMARKS

SAMPLE DESCRIPTIONS

DRILLING TIME IN MINUTES PER FOOT
Rate of Penetration Increases

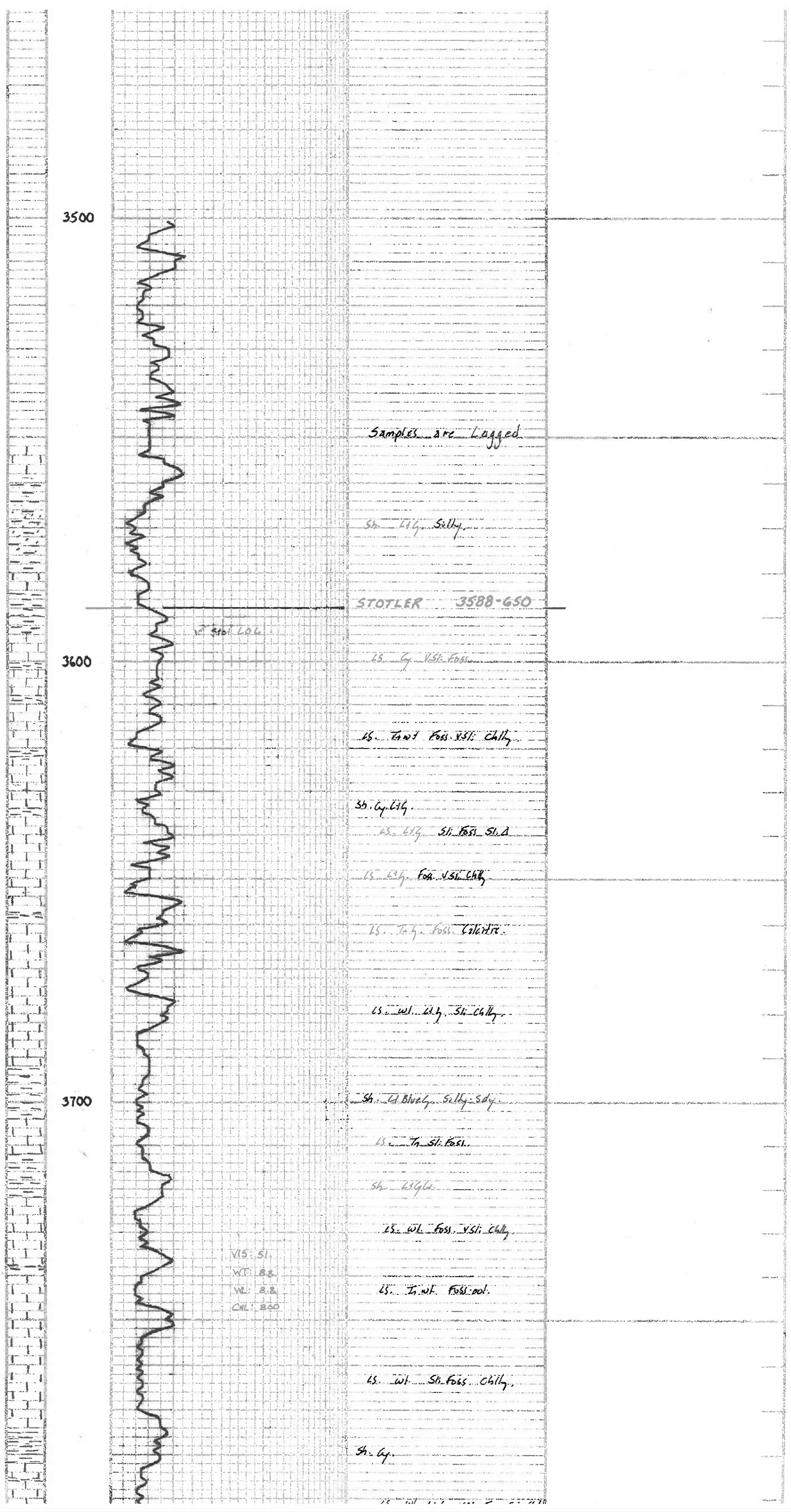
5" 10" 15" 20" 25"

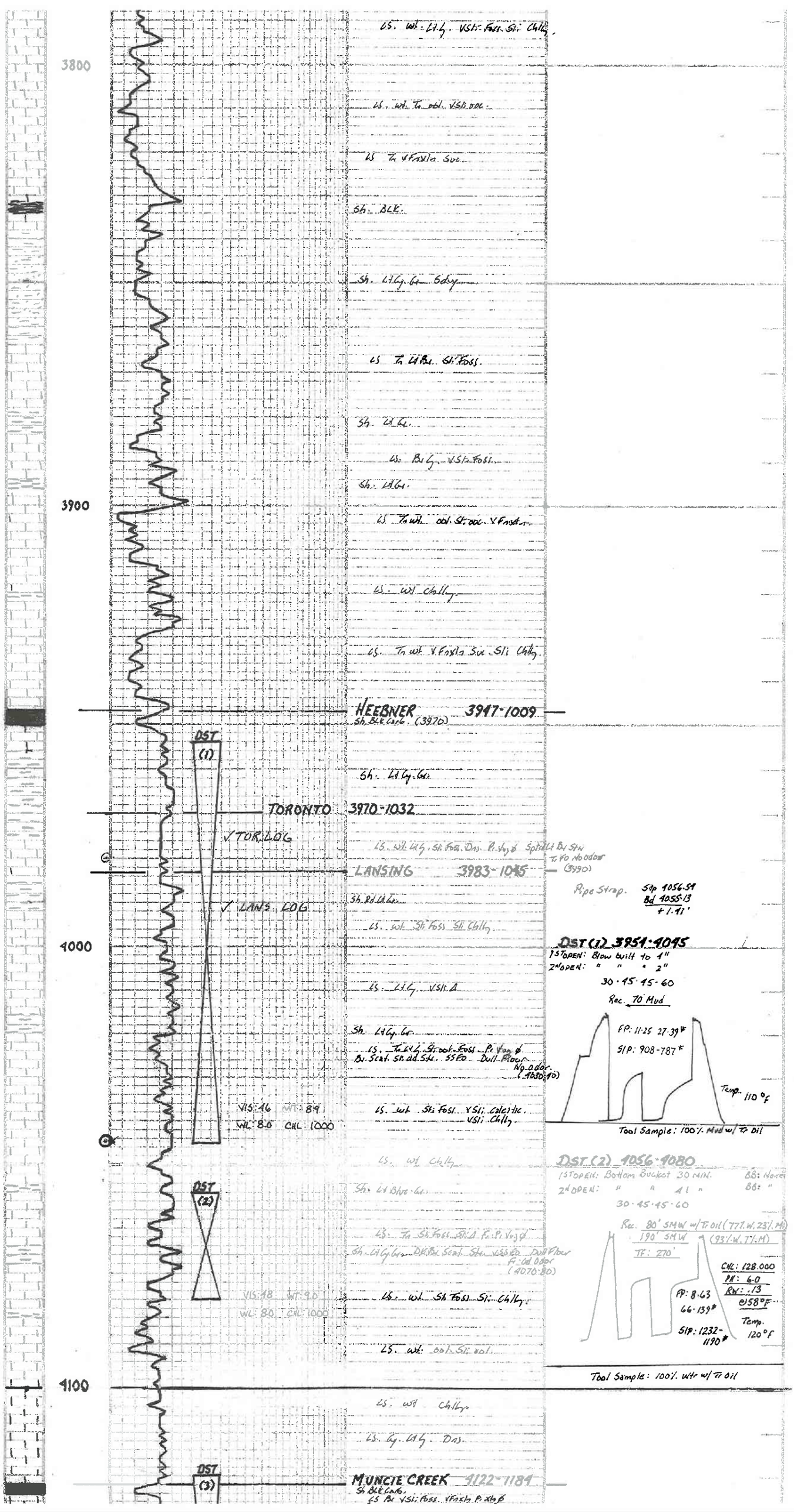
ANHYDRITE 2452 + 486

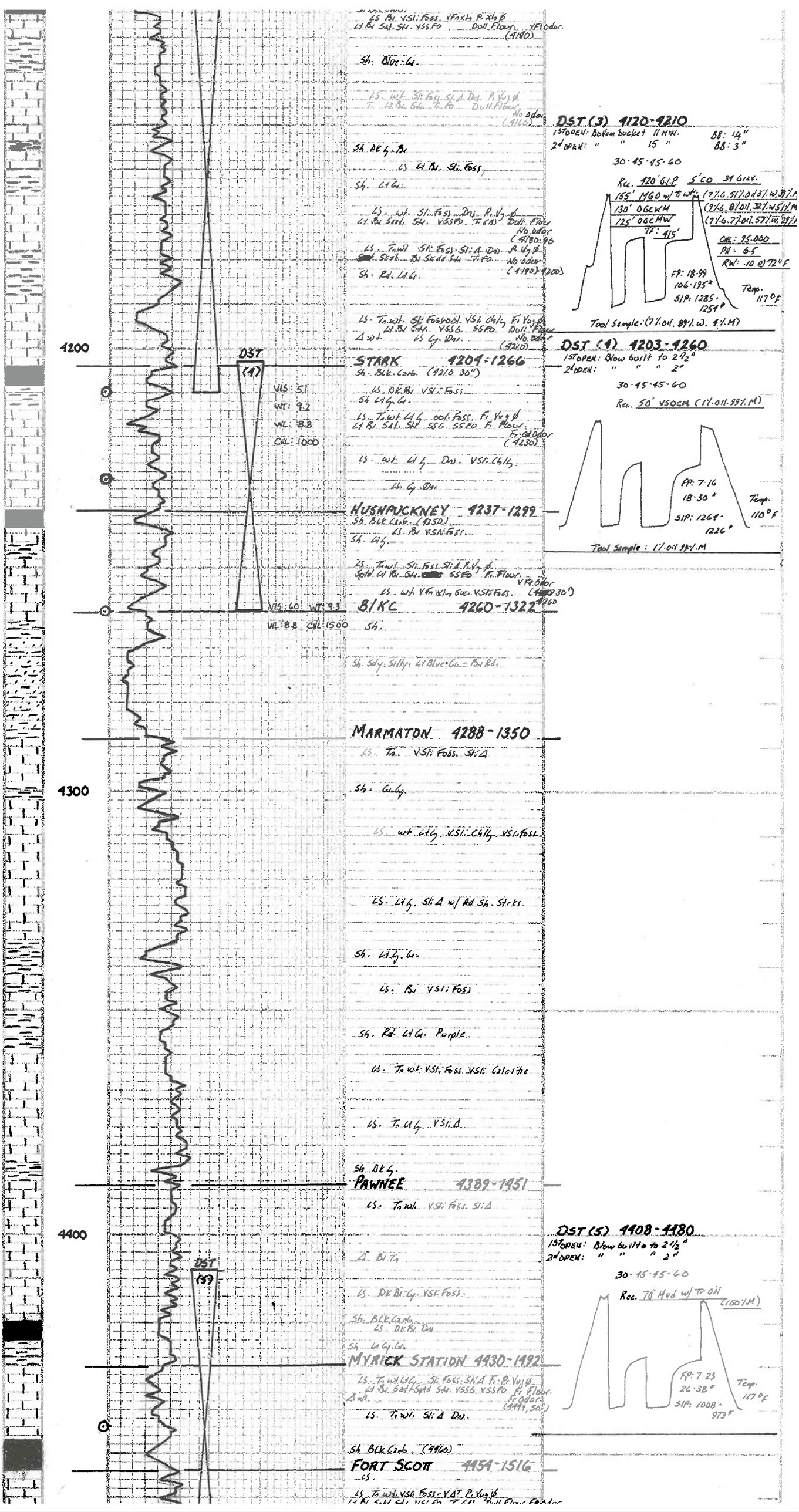
B/ANH. 2478 + 460

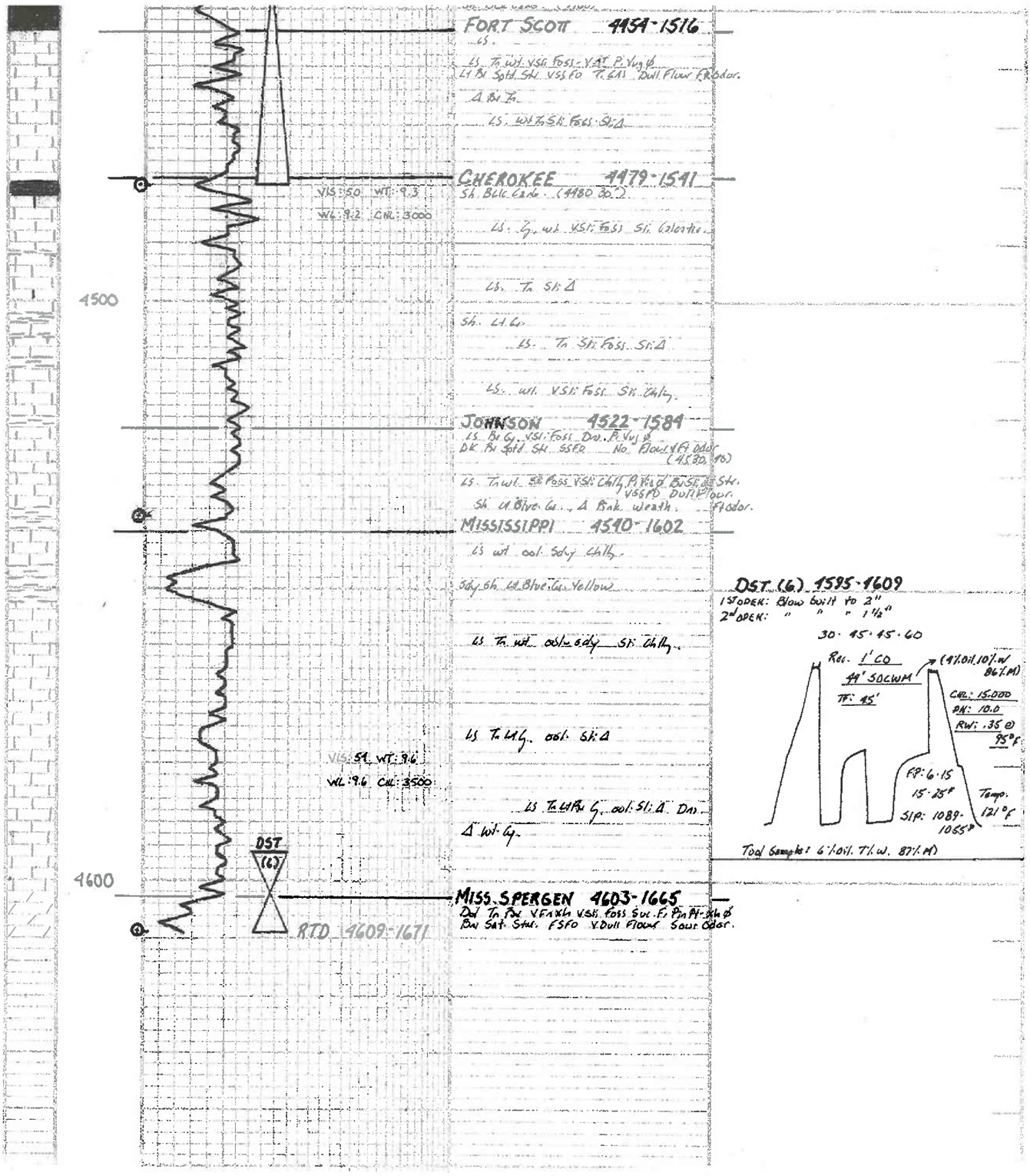
DEPTH 2400 2500

LITHOLOGY


3500
Samples are Logged
Sh Lt Gy Silty
STOTLER 3588-650
2" Stol Log
3600
Ls Gy VSl Foss
Ls Tan Foss VSl Chlky
Sh Gy Lt Gy
Ls Lt Gy Sl Foss Sl Ø
Ls Lt Gy Foss VSl Chlky
Ls Tan Foss Calcilite
Ls wh Lt Gy Sl Chlky
3700
Sh Gy Blue Gy Silty Sdy
Ls Tan Sl Foss
Sh Lt Gy Gn
Ls wh Foss VSl Chlky
VIS: 5l
WT: 8.8
WL: 8.2
CHL: 840
Ls Tan wh Foss pol
Ls wh Sl Foss Chlky
Sh Gy


3800
3900
4000
4100
LS. wt. Lt Gy. VSlt. Foss. Sli. Chlky
LS. wt. To odd. VSlt. Foss.
LS. To V Fossla Sucr.
Sh. Blk.
Sh. Lt Gy. to Gdy.
LS. To Lt Brn. Sl. Foss.
Sh. Lt Gy.
LS. Brn Gy. VSlt. Foss.
Sh. Lt Gy.
LS. To wh. odd. Sl. Foss. V Fossl.
LS. wh. Chalky.
LS. To wh. V Fossla Sucr. Sli Chalky
HEEBNER 3947-1009
Sh. Blk Calc. (3970)
Sh. Lt Gy. Gn.
TORONTO 3970-1032
LS. wh. Lt Gy. Sli Foss. Dns. P. Vug. Spotty Brn Stn
V TOR. LOG
LANSING 3983-1045
(3990)
Ripe Strap. Stp 1056-59 Bd 1055-13 +1.91'
V LANS. LOG
Sh. Rd Brn
LS. wh. Sli Foss. Sli Chalky
LS. Lt Gy. VSlt. Δ
Sh. Lt Gy. Gn.
LS. To Wh Gy. Sl. Foss. P. Vug ø
Brn Scat. Sl. od. Stn. SSFO. Dull Flour No odor. (4030:40)
LS. wh. Sl. Foss. VSli. calcitic. VSli. Chalky
LS. wh. Chalky
Sh. Lt Blue Gn.
LS. To Sl. Foss. Sl. Δ. P. P. Vug ø
Sh. Lt Gy Gn. Dk Brn Scat. Stn. VSSFO. Dull Flour Fr. Od Odor (4070:80)
LS. wh. Sh. Foss. Sl. Chalky.
LS. wh. odl. Sl. odl.
LS. wh Chalky
LS. Gy. Wh. Dns.
MUNCIE CREEK 4122-1184
Sl. Blk Calc.
LS Brn VSli. Foss. V Fossla P. Vug ø
DST (1)
VIS: 46 WT: 8.9
WL: 8.0 CHL: 1000
DST (2)
VIS: 48 WT: 9.0
WL: 8.0 CHL: 1000
DST (3)
DST (1) 3951-4045
1ST OPEN: Blow built to 1"
2ND OPEN: " " " 2"
30-45-45-60
Rec. 70' Mud
IFP: 11-25 27-39#
ISIP: 908-787#
Temp. 110 °F
Tool Sample: 100% Mud w/ Tr Oil
DST (2) 1056-4080
1ST OPEN: Bottom Bucket 30 MIN. BB: None
2ND OPEN: " " 41 " BB: "
30-45-45-60
Rec. 80' SMW w/ Tr Oil (777 W. 23% M)
190' SMW (93% W. 7% M)
TF: 270'
CHL: 128,000
PH: 6.0
RW: .13 @ 58°F
IFP: 8-63
66-139#
ISIP: 1232-1190#
Temp. 120 °F
Tool Sample: 100% Wtr w/ Tr Oil


4200
4300
4400
DST (4)
VIS: 51
WT: 9.2
WL: 8.8
CHL: 1000
VIS: 60 WT: 9.3
WL: 8.8 CHL: 1500
DST (5)
Lt Bi Sil. Sh. VSS Fo Dull Flour. VFI odor. (4180)
Sh. Blue-Gy.
No odor (4160)
Sh. Dk Gy-Bi
Lt Bi Sil. Sh. VSS Fo Dull Flour
No odor (4180-96)
No odor (4190-4200)
Sh. Rd. Lt Gy.
Lt Bi Sil. Sh. VSS6. SSFO. Dull Flour
No odor (4210)
STARK 4204-1266
Sh. Blk. Carb. (4210. 30")
Sh. Lt Gy. Dol.
Lt Bi Sil. Sh. SSG SSFO F. Flour: F. Gd Odor (4230)
Lt Gy. Dol.
HUSHPUCKNEY 4237-1299
Sh. Blk. Carb. (4250)
Sh. Gy.
Spkd Lt Bi Sh. SSFO Fr. Flour. V Fr Odor
(4300-30')
B/KC 4260-1322
Sh.
Sh. Sdy. Silty. Lt Blue-Gy. - Bn Rd.
MARMATON 4288-1350
Sh. Gn Gy
Sh. Lt Gy
Sh. Lt Lt Gy.
Sh. Dk Gy
PAWNEE 4389-1451
Sh. Blk Carb. (4410)
FORT SCOTT 4454-1516
DST (4) 4209-4266
1ST OPEN: Blow built to 2 1/2"
2nd OPEN: " " " 2"
30-45-45-60
Rec. 50' VSOCM (1%.01.99%.M)
FP: 7-16
18-30#
SIP: 1264-1226#
Temp. 110°F
Tool Sample: 1%.01. 99%.M
DST (3) 4120-4210
1ST OPEN: Bottom bucket 11 MIN. BB: 14"
2nd OPEN: " " 15 " BB: 3"
30-45-45-60
Rec. 120' G.I.P. 5' CO 30 GIAV.
155' MGO w/ Tr wtr. (7%.6.51%.01.37%.W.39%.M)
130' OGCMW (9%.6.81%.01.32%.W.51%.M)
125' OGCMW (7%.6.71%.01.57%.W.29%.M)
TF: 415'
CHL: 95,000
PH: 6.5
RW: .10 @ 72°F
FP: 18-99
106-195#
SIP: 1285-1254#
Temp. 117°F
Tool Sample: (7%.01. 89%.W. 4%.M)
DST (5) 4408-4480
1ST OPEN: Blow built to 2 1/2"
2nd OPEN: " " " 2"
30-45-45-60
Rec. 70 Mod w/ Tr Oil (2.100%.M)
FP: 7-23
26-38#
SIP: 1008-973#
Temp. 117°F


FORT SCOTT 4454-1516
Ls.
Ls Tn wit. VSli Fossi - V.Abt. P.Vug ø
Lt Bn Spkl. Sh. VSSFO T. GAS Dull Flour. Fkodor.
Δ Bn Ls.
Ls. wit Tn Sli. Foss. Sli Δ
CHEROKEE 4479-1541
Sh. Blue Gray. (1480 00.)
VIS: 50 WT: 9.3
WL: 9.2 CHL: 3000
Ls. Gy. wit. VSli. Foss) Sli. Calcarn.
Ls. Tn Sli Δ
4500
Sh. Lt Gy.
Ls. Tn Sli. Foss. Sli Δ
Ls. wit. VSli. Fossi. Sli. Chty.
JOHNSON 4522-1584
Ls. Bn Gy. VSli. Fossi. Dns. P. Vug ø
Dk Bn Spkl. Sh. SSFO No Flour. (Fl. odor (4530.00)
Ls. Tn wit. Sli. Foss. VSli. Chty. P. Vug ø. Bn Sli. Sh. VSSFO Dull Flour.
Sh. Lt Olive Gy., Δ Brak. Wraith. Fkodor.
MISSISSIPPI 4540-1602
Ls wit cool Sdy Chty.
Sdy Sh. Lt Olive Gy. Yellow
Ls Tn wit. cool Sdy Sli. Chty.
Ls Tn Lt Gy. cool. Sli Δ
VIS: 51 WT: 9.6
WL: 9.6 CHL: 3500
Ls Tn Lt Pk Gy. cool. Sli Δ Dns.
Δ wit Gy.
DST (6)
4600
MISS. SPERGEN 4603-1665
Dol Tn Pal. V.Fn Xln VSli. Foss Suc. F. Pin Pt. Sh Ø
Bn Sat. Stn. FSFO V. Dull Flour Sour Odor.
RTD 4609-1671
DST. (6) 1595-1609
1st ODEK: Blow built to 2"
2nd ODEK: " " " 1 1/2"
30 · 45 · 45 · 60
Rec. 1' CO
44' SOCWM
TF: 45'
(4% Oil, 10% W 86% M)
CHL: 15,000
PH: 10.0
RW: .35 @ 95°F
FP: 6-15
15-25#
SIP: 1089-1055#
Temp. 121°F
Total Sample: 6% Oil, 7% W, 87% M)

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

~~1718 07327 A~~
CONTINUATION
DATE TICKET NO. 07328 A

DATE OF JOB 1-10-13 DISTRICT PRATT, KS	NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER L D DRILLING, INC.	LEASE LOCKWOOD 1-35 WELL NO.
ADDRESS	COUNTY GOVE STATE KS.
CITY STATE	SERVICE CREW KC, JOE, JESSE, MIKE C.
AUTHORIZED BY	JOB TYPE: CNW-LONGSTRING

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
19907		19826	2		
		19860			
19903					
19905	2	19831			
		95862	2		

	DATE		TIME
TRUCK CALLED	1-10-13	AM PM	0700
ARRIVED AT JOB		AM PM	1400
START OPERATION		AM PM	1700
FINISH OPERATION		AM PM	1900
RELEASED		AM PM	1930
MILES FROM STATION TO WELL			200

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP100	COMMON CEMENT	SK	225		3600.00
CP101	4-CON CEMENT	SK	460		8280.00
CP101	4-CON CEMENT	SK	60		1080.00
CC102	CELLFLAKE	lb.	130		481.00
CC105	DEFOAMER	lb.	53		212.00
CC109	CALCIUM CHLORIDE	lb.	1470		1543.50
CC111	SALT	lb.	1827		913.50
CC112	GEL	lb.	159		954.00
CC113	GYPSUM	lb.	1060		795.00
CC201	GILSONITE	lb.	1125		753.75
CE400	4½ TWO STAGE CEMENT BASKET	EA	1		4500.00
CF600	4½ LATCH DOWN PLUG	EA.	1		720.00
CF1250	4½ AFU FLOAT SHOE	EA.	1		330.00
CF1650	4½ TURBOLIZER	EA	7		595.00
CF1900	4½ BASKET	EA.	1		270.00

CHEMICAL / ACID DATA:			

	SUB TOTAL	DLS
SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
	TOTAL	

SERVICE REPRESENTATIVE L. GORSLEY

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Richard W. Jr

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 07328 A

DATE TICKET NO.

DATE OF JOB 1-10-13 DISTRICT PRATT, KS	NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER L.S. DRILLING, INC.	LEASE LOCKWOOD 1-35 WELL NO.
ADDRESS	COUNTY GOVE STATE KS.
CITY STATE	SERVICE CREW K.C., JOE, JESSE M.L.
AUTHORIZED BY	JOB TYPE: CNW-CONSTRING

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS

	DATE	AM PM	TIME
TRUCK CALLED		AM PM	
ARRIVED AT JOB		AM PM	
START OPERATION		AM PM	
FINISH OPERATION		AM PM	
RELEASED		AM PM	
MILES FROM STATION TO WELL			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED:
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
E100	PICKUP MILEAGE	mile	175		743.75
E101	TRUCK MILEAGE	mile	575		3625.00
E113	BULK DELIVERY	TM	643		4818.00
CE205	DEPTH CHARGE 4001'-5000'	EA	1		2520.00
CE240	BLENDING CHARGE	SK	745		1043.00
CE504	RUBBER CONTAINER	EA	1		250.00
CE203	DEPTH CHARGE	EA	1		1800.00
5003	SERVICE SUPERVISOR	EA	1		175.00

CHEMICAL / ACID DATA:			

DLS

SUB TOTAL		33,796.88
SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
TOTAL		

SERVICE REPRESENTATIVE K. GOURLEY

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Rhl W.Jr
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

PAGE 1

BASIC energy services, L.P.

TREATMENT REPORT

Customer: LD DRILLING, INC.	Lease No.	Date: 1-10-13	
Lease: LOCKWOOD	Well #: 1-35		
Field Order #: 7326	Station: PRATT, KS	Casing: 4½	Depth: 4608
County: GOVE	State: KS.		
Type Job: CMW - LONGSTRING	Formation: TD - 4609	Legal Description: 35-11-31	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 4½	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth: 4608	Depth	From	To	Pre Pad	Max		5 Min.
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 4597	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative: LD	Station Manager: SCOTT	Treater: CORDLEY	
Service Units: 19907	19903 - 19905	19831 - 19862	19826 - 19860
Driver Names: KC	JOE	JESSE	MIKE L.

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1400					ON LOCATION
					RUN 4611' 4½ 11.6# USC. 112 JTS.
					FLOAT SHOE, LATCH BAFFLE ON
					11' SHOE JT. COLLAR. CENT -
					1-3-5-7-9-11-50, BASKET -
					BOTTOM OF 51. DV TOOL ON TO
					51 AT 2496'.
					DROP BALL - BREAK CIRC -
					FIND BOTTOM - PICKUP 1'
					OFF BOTTOM.
					BOTTOM STAGE:
1700	400		10	6	PUMP 30 SK SCAVENGER CMT
	300		54	6	PUMP 225 SK. COMMON CMT
					8% SALT, 5 #/SK GILSONITE
					¾% CFR, ¼% DEFOAMER, 5%
					CAL SET AT 15.5 PPG, 1.36 CFT/S
					LEAVE TUB ½ FULL OF CEMENT
					WASH PUMP & LINE CLEAN
					DROP LATCH DOWN PLUG
	0		0	6	START DISP. W/ H2O

Taylor Printing, Inc. 620-672-3656

PAGE 2

BASIC energy services, L.P.

TREATMENT REPORT

Customer: LD DRILLING	Lease No.: DRC			Date: 1-10-13	
Lease: COCKWOOD	Well #: 1-35				
Field Order #: 7328	Station: PRATT, KS	Casing: 4½	Depth: 4608	County: CLOVE	State: KS
Type Job: CNW - LONG STRING	Formation: TD-4609			Legal Description: 35-11-31	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 4½	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth: 4608	Depth	From	To	Pre Pad	Max		5 Min.
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 4597	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager	Treater

Service Units												
Driver Names												

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
	200		35	6	START DISP. W/ MUD
	600		61	4	SLOW RATE
1745	1500		71.3	3	PLUG DOWN - HELD
1800					DROP BO OPEN PLUG
1815	800				OPEN DV TOOL AT 2496'
					TOP STAGE
1816	350		227	7½	PUMP 460 SK A-CON CMT 3% CC, ¼ #/SK CELLOFLAKE AT 11.6 PPG, 2.77 CFT/SK
					WASH PUMP & LINE CLOSE
					DROP CLOSE PLUG
	0		0	6	START DISP. W/ H2O
	600		35	4	SLOW RATE
1900	2000		38.6	4	PLUG DOWN - DV CLOSED
					CIRC. 28 BBL CEMENT TO PIT
					PUMP RAT HOLE - 30 SK A-CON
1930					JOB COMPLETE - KEVIN

Taylor Printing, Inc. 620-672-3656

P.O. Box 1438
Great Bend, KS 67530

D&S CASING CREWS
GREAT BEND, KANSAS
620-793-7356

620-793-7356
620-617-8426 Cell

RTD - 4609'
LTD - 4611'

PIPE TALLY

DATE DEL. 1-7-13

CHARGE TO L.D. Drlg Inc

LEASE Lockwood WELL NO. 1-35

DESCRIPTION 4 1/2" New

	1		2		3		4		5		6	
	FEET	INCH	FEET	INCH	FEET	INCH	FEET	INCH	FEET	INCH	FEET	INCH
1	41	12	40	94	41	04	40	78	41	29	40	59
2	41	20	40	99	40	93	44	16	40	68	40	58
3	41	15	41	05	40	78	44	20	44	19	41	10
4	41	29	41	09	41	42	41	10	41	04	40	58
5	40	68	41	14	41	13	44	18	40	95	40	65
6	40	90	41	07	44	16	44	14	44	16	41	04
7	40	95	40	98	44	19	40	92	40	89	40	91
8	40	94	41	05	42	05	44	19	40	79	41	05
9	41	00	40	11	40	42	41	11	34	14	40	87
10	41	10	40	94	44	20	40	83	41	07	44	18
11	41	23	40	93	44	21	44	15	41	16	41	00
12	40	82	40	63	44	19	40	97	41	15	40	94
13	40	91	41	30	44	15	40	80	35	96	44	22
14	40	75	41	17	44	18	44	16	40	83	41	17
15	40	80	41	03	43	94	40	90	40	75	44	17
16	40	98	40	96	44	21	40	78	41	13		
17	40	89	41	14	44	18	44	18	41	16		
18	41	01	41	03	44	43	40	05	40	92		
19	40	58	40	81	44	21	41	14	40	94	21	51
20	41	15	40	95	44	20	44	13	40	91	11	22
1												
2												
3												
4												
5												
6												

THE ABOVE 115 JOINTS RECEIVED IN GOOD ORDER.

BY 4829.74 = 117 Jts.

ORIGINAL TO REMAIN IN BOOK
DUPLICATE TO CUSTOMER

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 07086 A

DATE TICKET NO.

DATE OF JOB 12-29-12 DISTRICT Kansas	NEW WELL ☒ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER L. D. Drilling Inc	LEASE Lockwood #1-35 WELL NO.
ADDRESS	COUNTY Gove 35-11-31 STATE KS
CITY STATE	SERVICE CREW Allen, Eric, Scott
AUTHORIZED BY	JOB TYPE: 8 5/8" Surface CNW

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
28445 P.U.	1				
33708-20920	1				
19831-19862	1				

	DATE	AM PM	TIME
TRUCK CALLED	12-28-12	AM PM	1130
ARRIVED AT JOB	12-29-12	AM PM	345
START OPERATION	12-29-12	AM PM	730
FINISH OPERATION	12-29-12	AM PM	930
RELEASED	12-29-12	AM PM	930
MILES FROM STATION TO WELL	175 mi.		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED:
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP103	60/40 Poz	SK	240		2880 00
CC102	Cell Flake	lb	60		222 00
CC109	Calcium Chloride	lb	421		652 00
CF153	Wooden Cement Plug 8 5/8"	EA	1		60 00
E100	Unit mileage chg.	mi.	175		743 50
E101	Heavy Equip mileage	mi.	350		2450 00
E113	Bulk Del. Chg.	Tm	1811		2895 52
CE200	Depth Chg: 0-500'	4-hr	1		1000 00
CE240	Blending & mixing Service chg.	SK	240		336 00
S003	Service Supervisor first 8hrs	EA	1		130 00

SUB TOTAL 6637 60

DLS

CHEMICAL / ACID DATA:

SERVICE & EQUIPMENT	%TAX ON $		
MATERIALS	%TAX ON $		
	TOTAL	8517	60

SERVICE REPRESENTATIVE Allen J. Wardle

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC energy services, L.P.

TREATMENT REPORT

Customer: L. D. Drilling INC	Lease No.			Date: 12-29-12	
Lease: Lockwood	Well #: 1-35				
Field Order #: 030886A	Station: Pratt	Casing: 8-5/8"	Depth: 342'	County: Gove	State: KS
Type Job: 8-5/8" Surface Cmt	Formation: FD 347			Legal Description: 35-11-31	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 8 5/8"	Tubing Size	Shots/Ft		Acid: 240 SKS 60/40 Poz 3%CC 1/4# C.F @ 14.8#	RATE	PRESS	ISIP
Depth: 342	Depth	From	To	Pre Pad	Max		5 Min.
Volume: 20	Volume	From	To	Pad	Min		10 Min.
Max Press: 500#	Max Press	From	To	Frac	Avg		15 Min.
Well Connection: Swedco	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 342	Packer Depth	From	To	Flush: Disp H20	Gas Volume		Total Load

Customer Representative: Rick "TP" | Station Manager: Scott | Treater: Allen

Service Units	28443	33708	20920	19831	19862						
Driver Names	Allen	Eric	Wright	Scott	Calloway						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
345	AM				ON Loc. Discuss Safety, Setup Plan Job
					Rig Drilling @ 290'
430					Hole cut @ 347 Circ w/ Rig
600					Pull Drill Pipe
635					Start 8 5/8 Csg 74#
730					Casing @ 343 Circ w/ Rig
	150#			4	Start mix & pump 240 sks
					60/40 Poz 3%CC, 1/4# C.F. 14.8
			52		Finish mix
				4	Start Disp.
830	250#		20		Plug down
	250#				Shut in @ well
					Release PSI To TRK
					Wash up & Rackup Equip.
930					Job Complete.
					Cement To Pit
					thanks
					Allen
					Eric
					Scott

Taylor Printing, Inc. 620-672-3656