



**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

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: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1082071

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

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 <i>(Amount and Kind of Material Used)</i>	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
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	LARRY 1-31
Doc ID	1082071

Tops

Name	Top	Datum
ANHYDRITE	2050	+600
BASE ANHYDRITE	2082	+568
STOTLER	3282	-632
HEEBNER	3655	-1005
LANSING	3692	-1042
STARK	3938	-1288
MARMATON	4038	-1388
FORT SCOTT	4190	-1540
CHEROKEE	4216	-1566
MISSISSIPPI SPERGEN	4290	-1640



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.  
P.O. Box 129  
Liberal, Kansas 67905  
Phone 620-624-2277

FIELD SERVICE TICKET  
1717 02614 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <u>2-7-12</u> DISTRICT <u>1717</u>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER <u>L.D. Drilling Inc.</u>		LEASE <u>Larry</u>		WELL NO. <u>1-31</u>					
ADDRESS		COUNTY <u>Gove</u>		STATE <u>Ks</u>					
CITY STATE		SERVICE CREW <u>Cochran/Mendoza/Grijalva</u>							
AUTHORIZED BY <u>T. Davis</u>		JOB TYPE: <u>242 Surface</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>21755</u>	<u>9</u>						<u>2-6</u>	<u>AM</u>	<u>16:30</u>
<u>78111</u>	<u>9</u>						<u>2-6</u>	<u>PM</u>	<u>23:00</u>
<u>19919</u>	<u>9</u>						<u>2-7</u>	<u>AM</u>	<u>05:00</u>
<u>19854</u>	<u>9</u>						<u>2-7</u>	<u>AM</u>	<u>06:30</u>
<u>19578</u>	<u>9</u>						<u>2-7</u>	<u>AM</u>	<u>08:00</u>
						RELEASED	<u>2-7</u>	<u>AM</u>	<u>08:00</u>
						MILES FROM STATION TO WELL	<u>160</u>		

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: [Signature]  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
<u>CL110</u>	<u>Premium Plus</u>	<u>sk</u>	<u>200</u>		
<u>CC102</u>	<u>Celloflake</u>	<u>lb</u>	<u>50</u>		
<u>CC109</u>	<u>Celebrity Chloride</u>	<u>76</u>	<u>376</u>		
<u>E100</u>	<u>Pick-up Mileage</u>	<u>mi</u>	<u>100</u>		
<u>E101</u>	<u>Heavy Equip. Mileage</u>	<u>mi</u>	<u>200</u>		
<u>E113</u>	<u>Bulk Delivery</u>	<u>7h</u>	<u>940</u>		
<u>E200</u>	<u>Depth Chrg. 0-500'</u>	<u>4hr</u>	<u>1</u>		
<u>CE240</u>	<u>Blending + Mixing Serv. Chrg.</u>	<u>sk</u>	<u>200</u>		
<u>5003</u>	<u>Self Supervisor</u>	<u>ea</u>	<u>1</u>		
<u>CE403</u>	<u>Additional Hrs</u>	<u>ea</u>	<u>2</u>		
<u>CE403</u>	<u>Additional Hrs</u>	<u>ea</u>	<u>2</u>	<u>NTC</u>	
SUB TOTAL					<u>7602.80</u>

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE <u>[Signature]</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>[Signature]</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO.



**BASIC**  
ENERGY SERVICES  
Liberal, Kansas

### Cement Report

Customer	<i>LD Drilling Inc.</i>	Lease No.		Date	<i>2-6-12</i>
Lease	<i>Larry</i>	Well #	<i>1-31</i>	Service Receipt	<i>1717 02614</i>
Casing	<i>8 5/8</i>	Depth	<i>283</i>	County	<i>Grove</i>
Job Type	<i>242 Surface</i>	Formation		Legal Description	<i>31 14 29</i>

Pipe Data		Perforating Data		Cement Data
Casing size	<i>8 5/8 24"</i>	Tubing Size		Lead
Depth		Depth		
Volume		Volume		Tail in
Max Press		Max Press		
Well Connection		Annulus Vol.		
Plug Depth		Packer Depth		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>23:00</i>					<i>on loc. / Held Safety Meeting</i>
<i>23:20</i>					<i>Spot + Rig up Equip.</i>
<i>04:30</i>					<i>Csg on Bottom Cbk w/ Rig</i>
<i>05:10</i>	<i>1800</i>				<i>Test Pump + Lines</i>
<i>05:12</i>	<i>100</i>		<i>0</i>	<i>2.5</i>	<i>Start CMT 200stk @ 15"</i>
<i>05:22</i>	<i>0</i>		<i>23</i>	<i>0</i>	<i>Shutdown Bulk Problems</i>
<i>06:00</i>					<i>Bulk Fixed Continue Mixing</i>
<i>06:07</i>	<i>100</i>		<i>46</i>	<i>2.3</i>	<i>Finished w/ CMT</i>
<i>06:08</i>	<i>100</i>		<i>0</i>	<i>2</i>	<i>Start Disp w/ Fresh H<sub>2</sub>O</i>
<i>06:16</i>	<i>200</i>		<i>16.5</i>	<i>0</i>	<i>Shutdown</i>
<i>06:18</i>	<i>200</i>		<i>16.5</i>	<i>0</i>	<i>Shut in well</i>
<i>06:30</i>					<i>End Job</i>
					<i>Circulated Cmt to the Pit</i>

Service Units	<i>21755</i>	<i>381119919</i>	<i>1425419598</i>		
Driver Names	<i>Cochran</i>	<i>Mendoza</i>	<i>Grijalva</i>		

Customer Representative: \_\_\_\_\_ Station Manager: *J. Bennett* Cementer: *M. Cochran*





# BASIC

energy services, L.P.

1st ~~Stage~~ Stage

## TREATMENT REPORT

Customer <b>L.D. Drilling</b>	Lease No.	Date <b>2-20-12</b>
Lease <b>Larry</b>	Well # <b>1-31</b>	
Field Order # <b>5902</b>	Station <b>Pratt</b>	Casing <b>4 1/2</b>
Type Job <b>4 1/2 L.S. 2 Stage</b>	Depth <b>4428</b>	County <b>Gove</b>
	Formation	State <b>KS</b>
		Legal Description <b>31-14-29</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft	Cement	Acid	RATE	PRESS	ISIP	
<b>4 1/2</b>				<b>175 SRS Common</b>				Max
Depth <b>4428</b>	Depth	From	To	<b>425</b>				5 Min.
Volume <b>78.3</b>	Volume	From	To	<b>Pre Pad</b>				10 Min.
Max Press <b>1500</b>	Max Press	From	To	<b>Acid</b>				15 Min.
Well Connection <b>P.C.</b>	Annulus Vol.	From	To	<b>Acid</b>				HHP Used
Plug Depth <b>4414</b>	Packer Depth	From	To	<b>70</b>				Annulus Pressure
								Gas Volume
								Total Load

Customer Representative	Station Manager <b>Dave Scott</b>	Treater <b>Steve Orlando</b>
Service Units <b>27283 19826 19860 19960 19918 33708 20920</b>		
Driver Names <b>Orlando Meloskey Lawrence Mitchell</b>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<b>12:00 AM</b>					<b>On location - Safety meeting</b>
					<b>Run 106 3ts 4 1/2 CBS</b>
					<b>Centralizers 1-3-5-29-54</b>
					<b>Basket 55</b>
					<b>DV Tool Set 0 2082</b>
					<b>Shoe 37 16.02</b>
<b>3:30</b>	<b>2000</b>				<b>Casing on Bottom Break circ w/ <del>100</del> Fresh</b>
<b>4:00 AM</b>	<b>300</b>		<b>24</b>	<b>5</b>	<b>Mud flush</b>
<b>4:05</b>	<b>300</b>		<b>5</b>	<b>5</b>	<b>H2O Spacer</b>
<b>4:06</b>	<b>300</b>		<b>44.5</b>	<b>5</b>	<b>Mix 175 SRS cement @ 15#/gal</b>
					<b>Shut Down Clear pump &amp; line</b>
					<b>Drop Latch Down Plug</b>
<b>4:25</b>	<b>0</b>		<b>0</b>	<b>6</b>	<b>Start H2O Displacement</b>
<b>4:30</b>	<b>600</b>		<b>30</b>	<b>5</b>	<b>Start mud Displacement</b>
<b>4:40</b>	<b>1700</b>		<b>70</b>	<b>4</b>	<b>plug Down - Held</b>
					<b>Drop DV Opening Tool</b>
<b>5:00 AM</b>	<b>1200</b>				<b>Start mud to open DV Tool</b>
					<b>Circulate 1 hour</b>
					<b>Bottom Stage Complete</b>



Customer <i>L.D. Drilling</i>	Lease No.	Date <i>2-20-12</i>
Lease <i>Larry</i>	Well# <i>1-31</i>	
Field Order # <i>5902</i>	Station <i>Pratt</i>	Casing <i>4 1/2</i>
Type Job <i>CNW 4 1/2 2Stage</i>	Formation	Depth
		County <i>Gove</i>
		State <i>KS</i>
		Legal Description <i>31-14-29</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
Depth	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	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative: \_\_\_\_\_ Station Manager: *Dave Scott* Treater: *Steve Orlando*

Service Units	<i>27283</i>	<i>19826</i>	<i>19860</i>	<i>19960</i>	<i>19918</i>	<i>53708</i>	<i>20920</i>
Driver Names	<i>Orlando</i>	<i>McLashy</i>	<i>Lawrence</i>	<i>Mitchell</i>			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>6:00</i>			<i>0</i>	<i>5</i>	<i>Mix 425 sbs Acon @ 12#/6cl</i>
			<i>187</i>	<i>5</i>	<i>Shut Down</i>
					<i>Clear Pump + Line</i>
					<i>Release Plug</i>
<i>6:39</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>6</i>	<i>Start H2O Displacement</i>
<i>6:45</i>	<i>1500</i>		<i>33</i>	<i>5</i>	<i>Plug Down</i>
<i>6:50</i>	<i>2000</i>				<i>Close DV TOOL</i>
					<i>Plus RHA/mH w/50 sbs Acon</i>
					<i>Job Complete</i>
					<i>Thanks, Steve</i>
					<i>Circulation Thru Job</i>
					<i>Circulated 24 bbl cement to pit</i>



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: \_\_\_\_\_

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

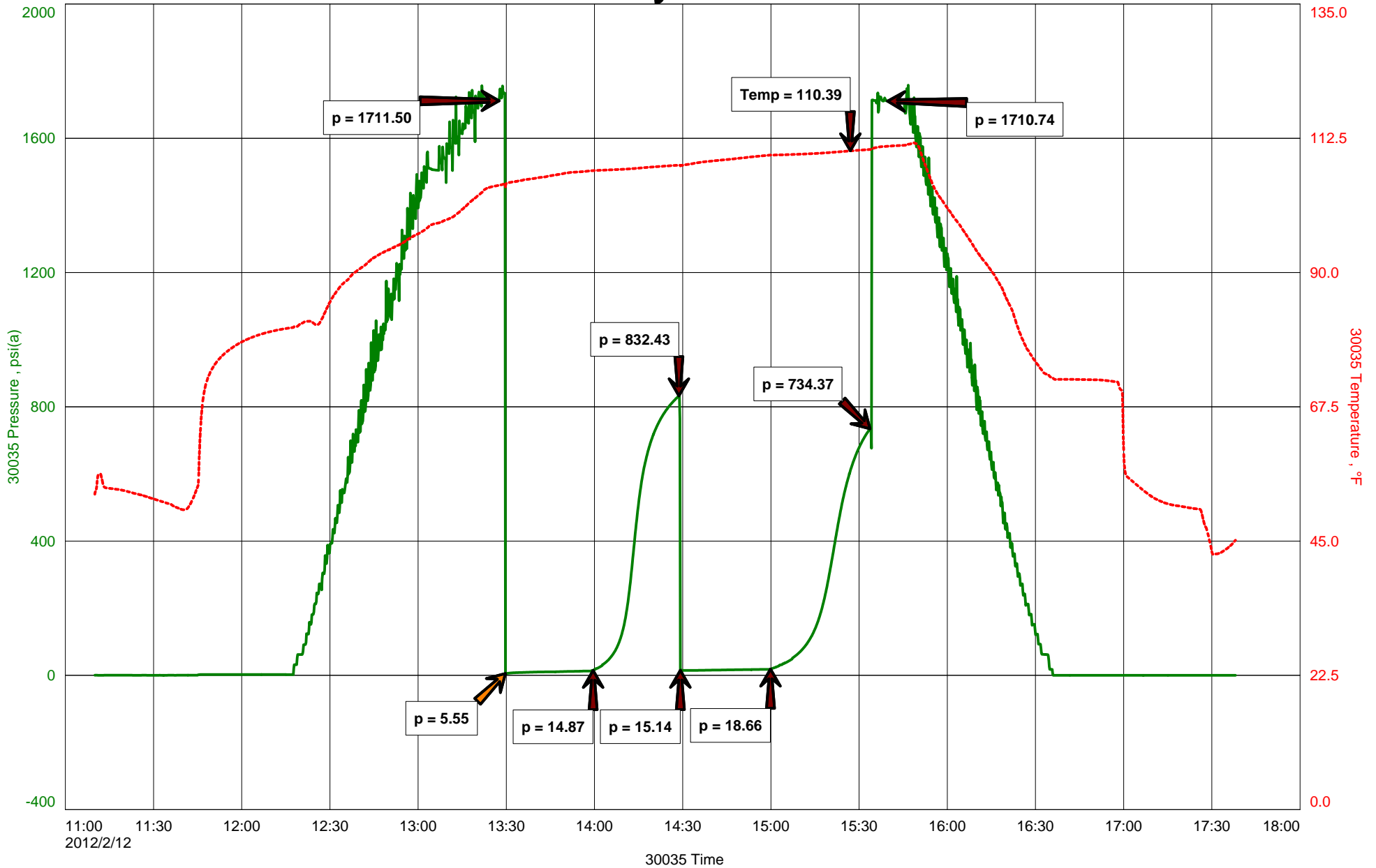
Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

Recovered _____ ft. of _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

# Larry # 1-31



# Diamond Testing

## General information Report

### General Information

**Company Name** LD Drilling Inc

<b>Contact</b>	LD Davis	<b>Job Number</b>	S0091
<b>Well Name</b>	Larry # 1-31	<b>Representative</b>	Jacob McCallie
<b>Unique Well ID</b>	DST #1 Toronto 3655-3687'	<b>Well Operator</b>	LD Drilling Inc
<b>Surface Location</b>	SEC 31-14S-29W Gove County	<b>Report Date</b>	2012/02/12
<b>Well License Number</b>		<b>Prepared By</b>	Jacob McCallie
<b>Field</b>	Lundgren		
<b>Well Type</b>	Vertical		

<b>Test Type</b>	Drill Stem Test		
<b>Formation</b>	DST #1 Toronto 3655-3687'		
<b>Well Fluid Type</b>	01 Oil	<b>Start Test Time</b>	11:10:00
		<b>Final Test Time</b>	17:40:00
<b>Start Test Date</b>	2012/02/12		
<b>Final Test Date</b>	2012/02/12		
<b>Gauge Name</b>	30035		
<b>Gauge Serial Number</b>			

### Test Results

**RECOVERED:**  
30' WTR Cut Oily Mud 22% Oil 8% WTR 70% MUD  
30' TOTAL FLUID

**TOOL SAMPLE:**  
20% Oil 11% WTR 69% MUD



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(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: \_\_\_\_\_

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

Recovered _____ ft. of _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

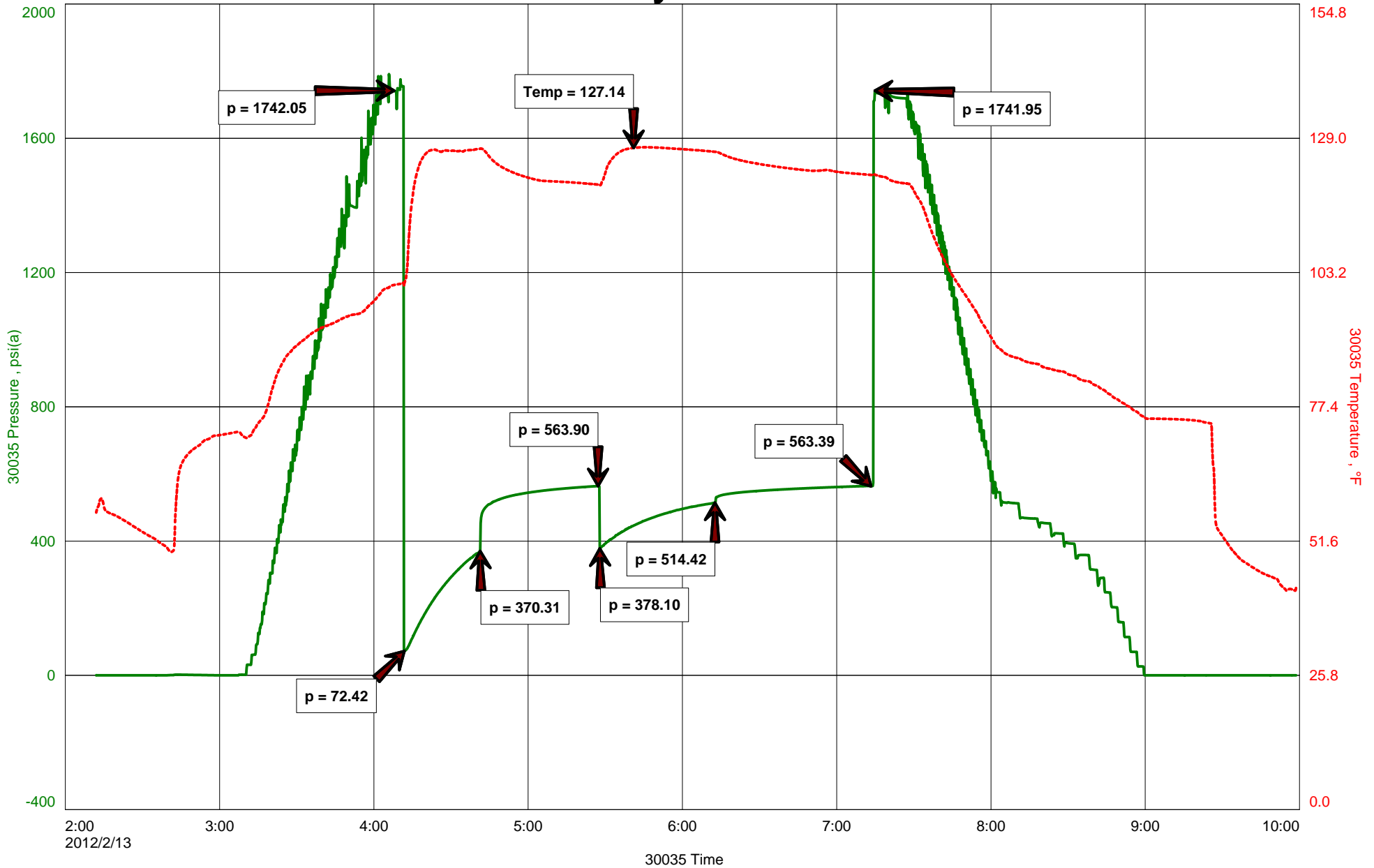
Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

LD Drilling INC  
DST # 2 Lansing A-B 3685-3739'  
Start Test Date: 2012/02/13  
Final Test Date: 2012/02/13

Larry # 1-31  
Formation: DST # 2 Lansing A-B 3685-3739'  
Pool: Wildcat  
Job Number: S0092

# Larry # 1-31



# Diamond Testing

## General information Report

### General Information

**Company Name** LD Drilling INC

<b>Contact</b>	LD Davis	<b>Job Number</b>	S0092
<b>Well Name</b>	Larry # 1-31	<b>Representative</b>	Jacob McCallie
<b>Unique Well ID</b>	DST # 2 Lansing A-B 3685-3739'	<b>Well Operator</b>	LD Drilling INC
<b>Surface Location</b>	SEC 31-14S-29W Gove County	<b>Report Date</b>	2012/02/13
<b>Well License Number</b>		<b>Prepared By</b>	Jacob McCallie
<b>Field</b>	Lundgren		
<b>Well Type</b>	Vertical		

<b>Test Type</b>	Drill Stem Test		
<b>Formation</b>	DST # 2 Lansing A-B 3685-3739'		
<b>Well Fluid Type</b>	06 Water	<b>Start Test Time</b>	02:12:00
		<b>Final Test Time</b>	10:00:00
<b>Start Test Date</b>	2012/02/13		
<b>Final Test Date</b>	2012/02/13		
<b>Gauge Name</b>	30035		
<b>Gauge Serial Number</b>			

### Test Results

#### RECOVERED:

5'	CO	100% CO	GRAVITY: 36.5 @ 60 degrees F
635'	Oil/Gas Cut Muddy WTR	15% Gas 8% Oil 49% WTR 28% Mud	
504'	Mud Specked WTR	99% WTR 1% Mud	
1144'	TOTAL FLUID		

PH: 7

RW: .25 @ 40 degrees F  
Chlorides: 68,000 ppm

#### TOOL SAMPLE:

100% CO



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: \_\_\_\_\_

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

Recovered _____ ft. of _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

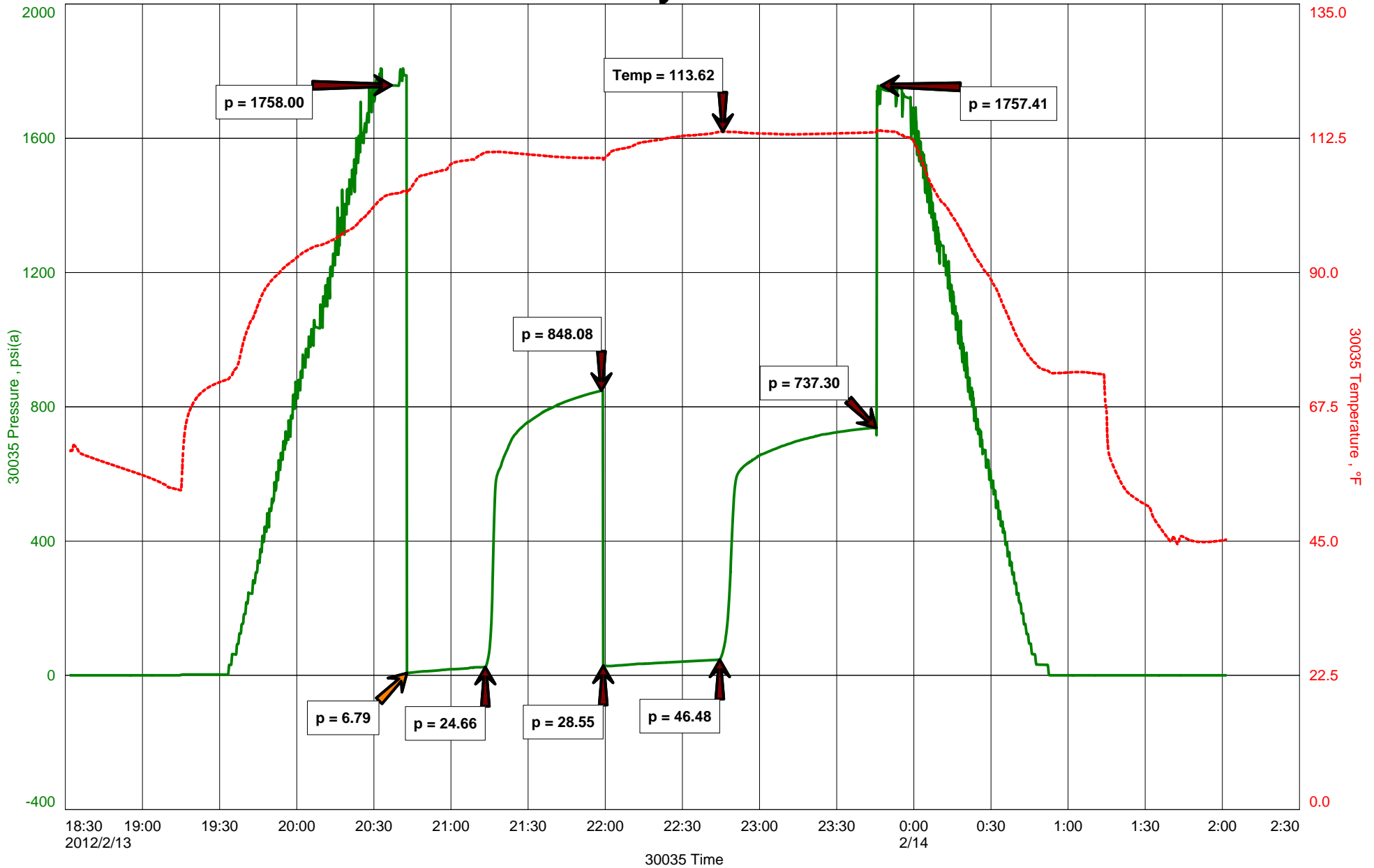
Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



LD Drilling Inc  
DST #3 Lansing C-E 3736-3780'  
Start Test Date: 2012/02/13  
Final Test Date: 2012/02/14

Larry #1-31  
Formation: DST #3 Lansing C-E 3736-3780'  
Pool: Wildcat  
Job Number: S0093

# Larry #1-31



# Diamond Testing

## General information Report

### General Information

**Company Name** LD Drilling Inc

<b>Contact</b>	LD Davis	<b>Job Number</b>	S0093
<b>Well Name</b>	Larry #1-31	<b>Representative</b>	Jacob McCallie
<b>Unique Well ID</b>	DST #3 Lansing C-E 3736-3780'	<b>Well Operator</b>	LD Drilling Inc
<b>Surface Location</b>	SEC 31-14S-29W Gove County	<b>Report Date</b>	2012/02/14
<b>Well License Number</b>		<b>Prepared By</b>	Jacob McCallie
<b>Field</b>	Lundgren		
<b>Well Type</b>	Vertical		

<b>Test Type</b>	Drill Stem Test		
<b>Formation</b>	DST #3 Lansing C-E 3736-3780'		
<b>Well Fluid Type</b>	06 Water	<b>Start Test Time</b>	18:32:00
		<b>Final Test Time</b>	02:02:00
<b>Start Test Date</b>	2012/02/13		
<b>Final Test Date</b>	2012/02/14		
<b>Gauge Name</b>	30035		
<b>Gauge Serial Number</b>			

### Test Results

**RECOVERED:**  
83' Oily Watery Mud 12% Oil 30% WTR 58% Mud  
83' TOTAL FLUID

**PH: 8**  
**RW: .63 @ 40 degrees F**  
**Chlorides: 22,000 ppm**

**TOOL SAMPLE:**  
8% Oil 47% WTR 45% Mud



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: \_\_\_\_\_

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

Recovered _____ ft. of _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

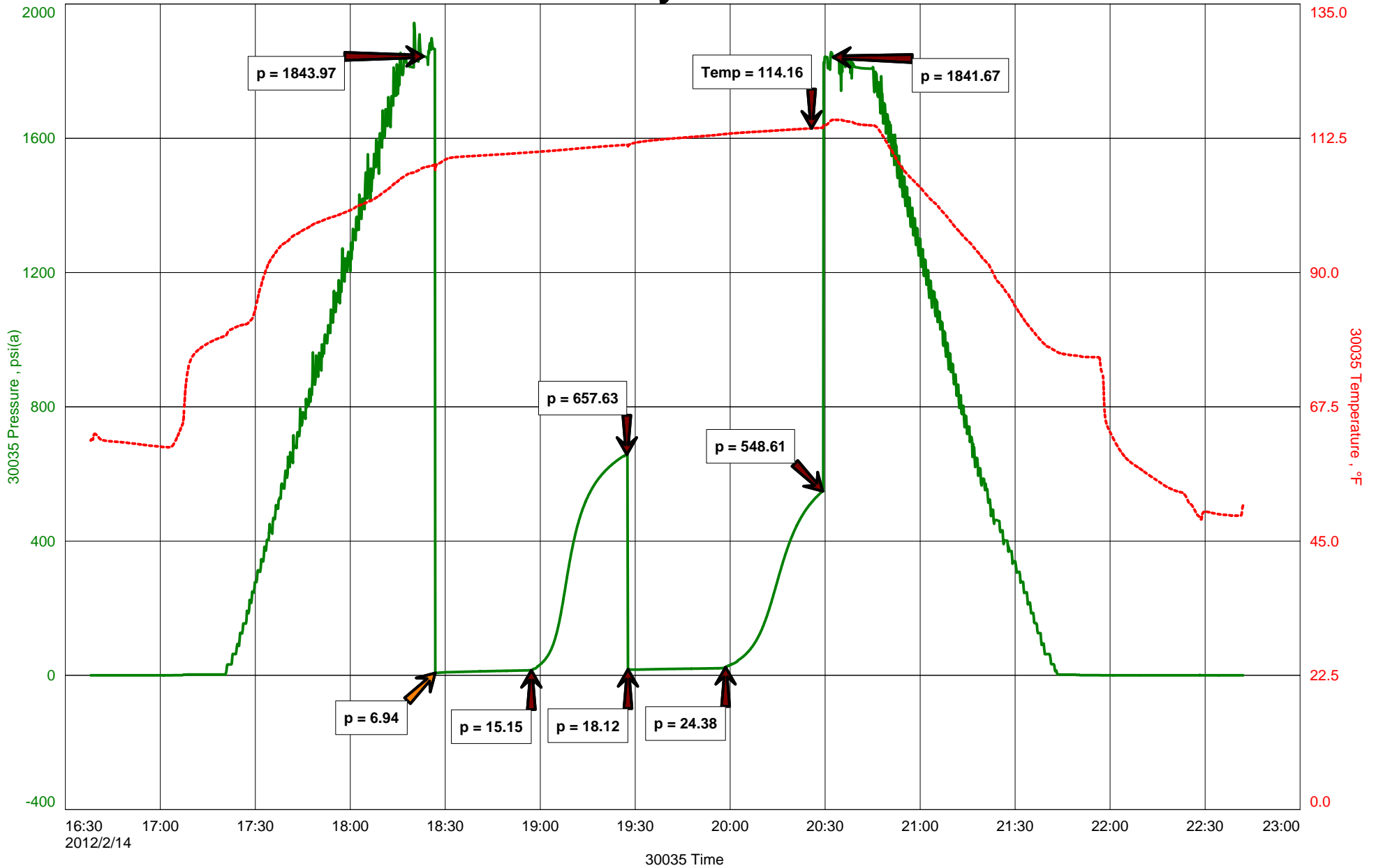
Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

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LD Drilling Inc  
DST #4 Lansing H-J 3849-3929'  
Start Test Date: 2012/02/14  
Final Test Date: 2012/02/14

Larry #1-31  
Formation: DST #4 Lansing H-J 3849-3929'  
Pool: Wildcat  
Job Number: S0094

# Larry #1-31



# Diamond Testing

## General information Report

### General Information

**Company Name** LD Drilling Inc

<b>Contact</b>	LD Davis	<b>Job Number</b>	S0094
<b>Well Name</b>	Larry #1-31	<b>Representative</b>	Jacob McCallie
<b>Unique Well ID</b>	DST #4 Lansing H-J 3849-3929'	<b>Well Operator</b>	LD Drilling Inc
<b>Surface Location</b>	SEC 31-14S-29W Gove County	<b>Report Date</b>	2012/02/14
<b>Well License Number</b>		<b>Prepared By</b>	Jacob McCallie
<b>Field</b>	Lundgren		
<b>Well Type</b>	Vertical		

<b>Test Type</b>	Drill Stem Test		
<b>Formation</b>	DST #4 Lansing H-J 3849-3929'		
<b>Well Fluid Type</b>	01 Oil	<b>Start Test Time</b>	16:38:00
		<b>Final Test Time</b>	22:42:00
<b>Start Test Date</b>	2012/02/14		
<b>Final Test Date</b>	2012/02/14		
<b>Gauge Name</b>	30035		
<b>Gauge Serial Number</b>			

### Test Results

**RECOVERED:**  
30' Oil Specked Mud 3% OIL 97% MUD  
30' TOTAL FLUID

**TOOL SAMPLE:**  
2% OIL 98% MUD



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: \_\_\_\_\_

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

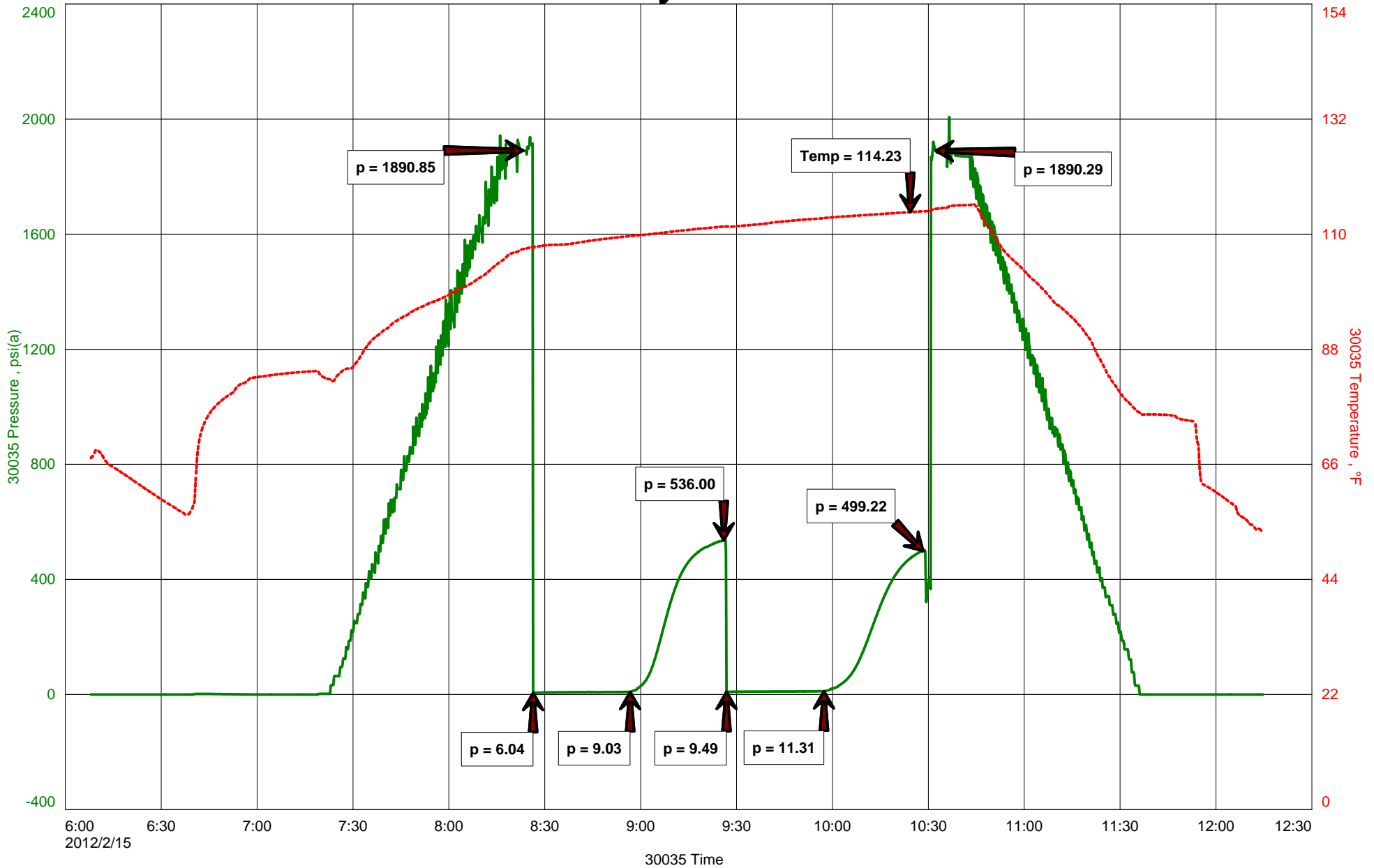
Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

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LD Drilling Inc  
DST #5 Lansing K 3935-3961'  
Start Test Date: 2012/02/15  
Final Test Date: 2012/02/15

Larry #1-31  
Formation: DST #5 Lansing K 3935-3961'  
Pool: Wildcat  
Job Number: S0095

# Larry #1-31



# Diamond Testing

## General information Report

### General Information

**Company Name** LD Drilling Inc

<b>Contact</b>	LD Davis	<b>Job Number</b>	S0095
<b>Well Name</b>	Larry #1-31	<b>Representative</b>	Jacob McCallie
<b>Unique Well ID</b>	DST #5 Lansing K 3935-3961'	<b>Well Operator</b>	LD Drilling Inc
<b>Surface Location</b>	SEC 31-14S-29W Gove County	<b>Report Date</b>	2012/02/15
<b>Well License Number</b>		<b>Prepared By</b>	Jacob McCallie
<b>Field</b>	Lundgren		
<b>Well Type</b>	Vertical		

<b>Test Type</b>	Drill Stem Test		
<b>Formation</b>	DST #5 Lansing K 3935-3961'		
<b>Well Fluid Type</b>	01 Oil	<b>Start Test Time</b>	06:08:00
		<b>Final Test Time</b>	12:16:00
<b>Start Test Date</b>	2012/02/15		
<b>Final Test Date</b>	2012/02/15		
<b>Gauge Name</b>	30035		
<b>Gauge Serial Number</b>			

### Test Results

**RECOVERED:**  
10' Oil Specked Mud 1% Oil 99% Mud  
10' TOTAL FLUID

**TOOL SAMPLE:**  
100% MUD





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: \_\_\_\_\_

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

Recovered _____ ft. of _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

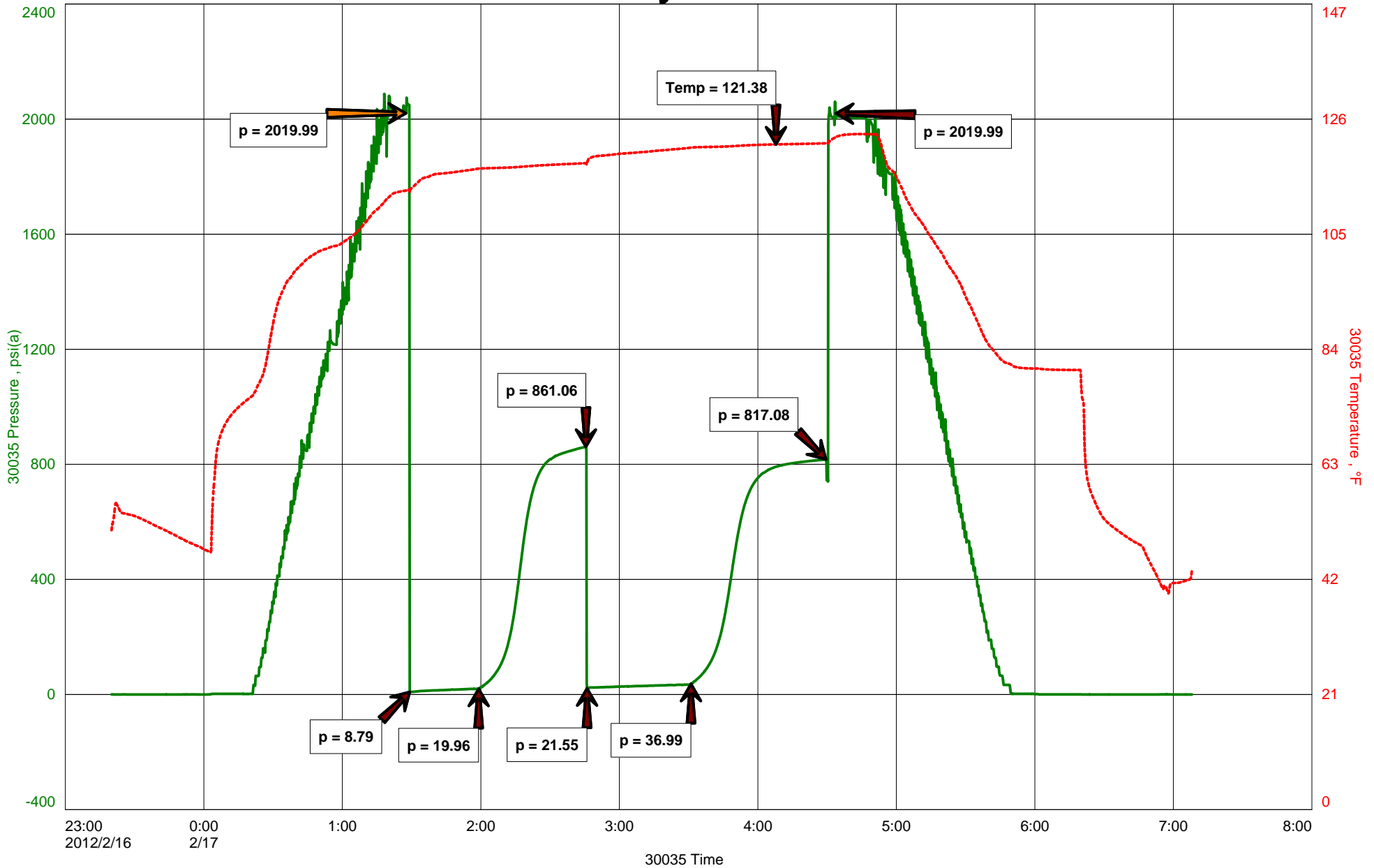
Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

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LD Drilling Inc  
DST #6 Myrick / Johnson 4157-4282'  
Start Test Date: 2012/02/16  
Final Test Date: 2012/02/17

Larry #1-31  
Formation: DST #6 Myrick / Johnson 4157-4282'  
Pool: Wildcat  
Job Number: S0096

# Larry #1-31



# Diamond Testing

## General information Report

### General Information

**Company Name** LD Drilling Inc

**Contact**

LD Davis

**Well Name**

Larry #1-31

**Job Number**

S0096

**Unique Well ID**

DST #6 Myrick / Johnson 4157-4282'

**Representative**

Jacob McCallie

**Surface Location**

SEC 31-14S-29W Gove County

**Well Operator**

LD Drilling Inc

**Well License Number**

**Report Date**

2012/02/17

**Field**

Lundgren

**Prepared By**

Jacob McCallie

**Well Type**

Vertical

**Test Type**

Drill Stem Test

**Formation**

DST #6 Myrick / Johnson 4157-4282'

**Well Fluid Type**

01 Oil

**Start Test Time**

23:20:00

**Start Test Date**

2012/02/16

**Final Test Time**

07:09:00

**Final Test Date**

2012/02/17

**Gauge Name**

30035

**Gauge Serial Number**

### Test Results

**RECOVERED:**

63'

Oily Mud

10% Oil 90% Mud

63'

TOTAL FLUID

**TOOL SAMPLE:**

35% Oil 65% Mud



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: \_\_\_\_\_

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

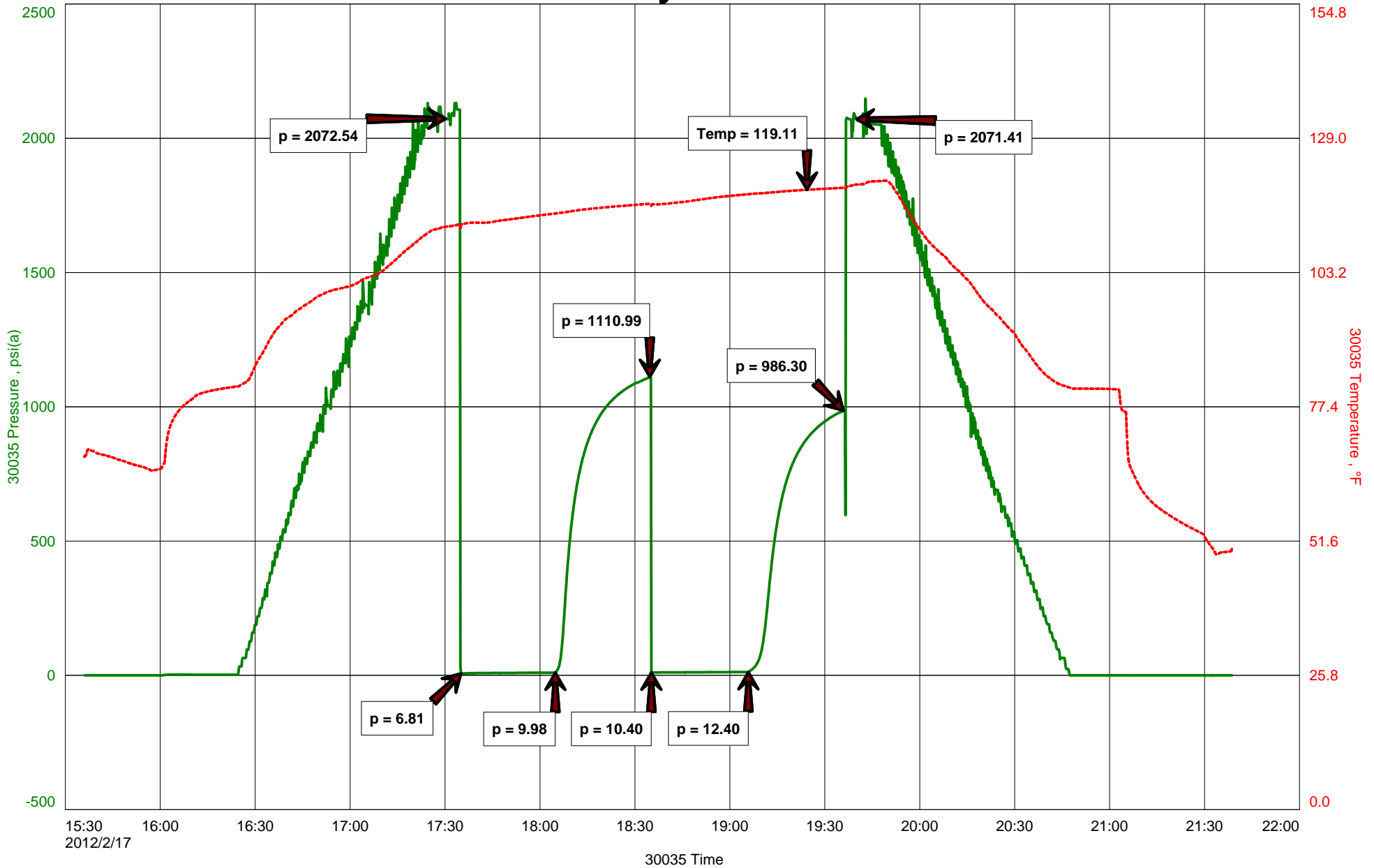
Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

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LD Drilling Inc  
DST #7 Mississippi 4272-4299'  
Start Test Date: 2012/02/17  
Final Test Date: 2012/02/17

Larry #1-31  
Formation: DST #7 Mississippi 4272-4299'  
Pool: Wildcat  
Job Number: S0097

# Larry #1-31



# Diamond Testing

## General information Report

### General Information

**Company Name** LD Drilling Inc

<b>Contact</b>	LD Davis	<b>Job Number</b>	S0097
<b>Well Name</b>	Larry #1-31	<b>Representative</b>	Jacob McCallie
<b>Unique Well ID</b>	DST #7 Mississippi 4272-4299'	<b>Well Operator</b>	LD Drilling Inc
<b>Surface Location</b>	SEC 31-14S-29W Gove County	<b>Report Date</b>	2012/02/17
<b>Well License Number</b>		<b>Prepared By</b>	Jacob McCallie
<b>Field</b>	Lundgren		
<b>Well Type</b>	Vertical		

<b>Test Type</b>	Drill Stem Test		
<b>Formation</b>	DST #7 Mississippi 4272-4299'		
<b>Well Fluid Type</b>	01 Oil	<b>Start Test Time</b>	15:36:00
		<b>Final Test Time</b>	21:39:00
<b>Start Test Date</b>	2012/02/17		
<b>Final Test Date</b>	2012/02/17		
<b>Gauge Name</b>	30035		
<b>Gauge Serial Number</b>			

### Test Results

#### RECOVERED:

10'	Oil Cut Mud	1% OIL 99% MUD
10'	TOTAL FLUID	

#### TOOL SAMPLE:

2% OIL 98% MUD



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: \_\_\_\_\_

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

Recovered _____ ft. of _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

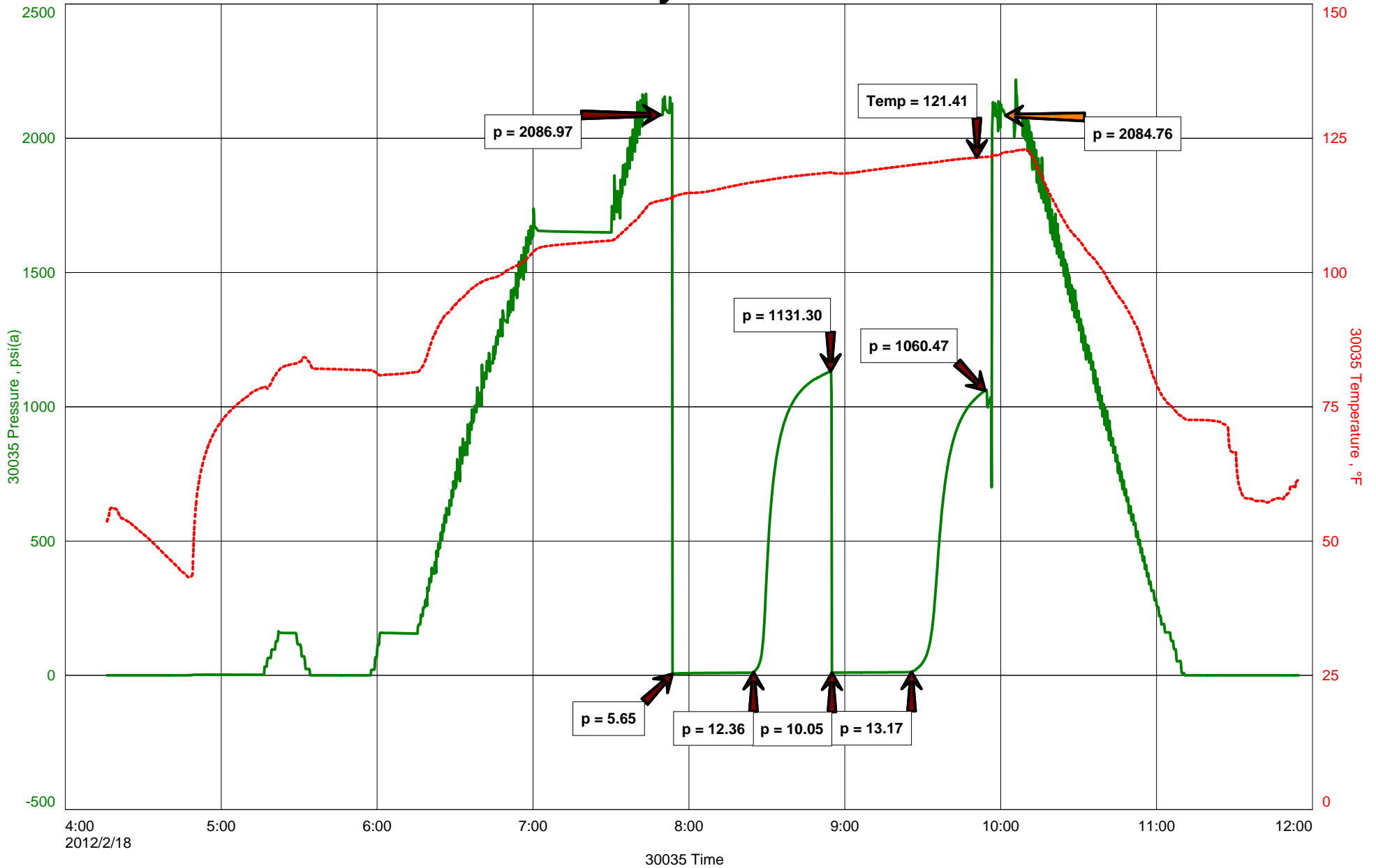
Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

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LD Drilling Inc  
DST #8 Mississippi 4297-4313'  
Start Test Date: 2012/02/18  
Final Test Date: 2012/02/18

Larry #1-31  
Formation: DST #8 Mississippi 4297-4313'  
Pool: Wildcat  
Job Number: S0098

# Larry #1-31





# Diamond Testing

## General information Report

### General Information

**Company Name** LD Drilling Inc

<b>Contact</b>	LD Davis	<b>Job Number</b>	S0098
<b>Well Name</b>	Larry #1-31	<b>Representative</b>	Jacob McCallie
<b>Unique Well ID</b>	DST #8 Mississippi 4297-4313'	<b>Well Operator</b>	LD Drilling Inc
<b>Surface Location</b>	SEC 31-14S-29W Gove County	<b>Report Date</b>	2012/02/18
<b>Well License Number</b>		<b>Prepared By</b>	Jacob McCallie
<b>Field</b>	Lundgren		
<b>Well Type</b>	Vertical		

<b>Test Type</b>	Drill Stem Test		
<b>Formation</b>	DST #8 Mississippi 4297-4313'		
<b>Well Fluid Type</b>	01 Oil	<b>Start Test Time</b>	04:16:00
		<b>Final Test Time</b>	11:55:00
<b>Start Test Date</b>	2012/02/18		
<b>Final Test Date</b>	2012/02/18		
<b>Gauge Name</b>	30035		
<b>Gauge Serial Number</b>			

### Test Results

**RECOVERED:**  
10' Oil Specked Mud 1% OIL 99% MUD  
10' TOTAL FLUID

**TOOL SAMPLE:**  
3% OIL 97% MUD



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: \_\_\_\_\_

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

Recovered _____ ft. of _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

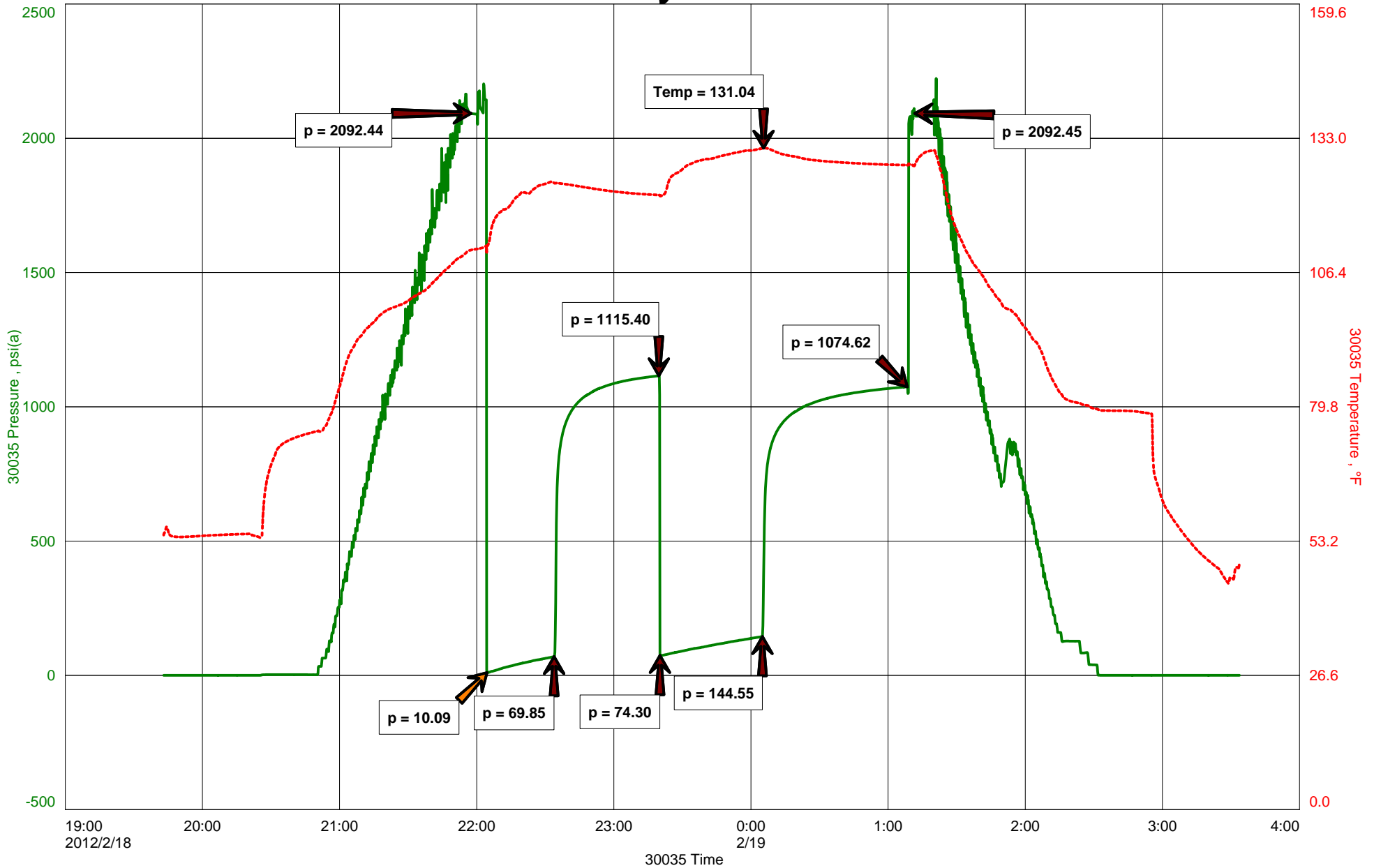
Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

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LD Drilling Inc  
DST #9 Mississippi 4310-4360'  
Start Test Date: 2012/02/18  
Final Test Date: 2012/02/19

Larry #1-31  
Formation: DST #9 Mississippi 4310-4360'  
Pool: Wildcat  
Job Number: S0099

# Larry #1-31



# Diamond Testing

## General information Report

### General Information

**Company Name** LD Drilling Inc

<b>Contact</b>	LD Davis	<b>Job Number</b>	S0099
<b>Well Name</b>	Larry #1-31	<b>Representative</b>	Jacob McCallie
<b>Unique Well ID</b>	DST #9 Mississippi 4310-4360'	<b>Well Operator</b>	LD Drilling Inc
<b>Surface Location</b>	SEC 31-14S-29W Gove County	<b>Report Date</b>	2012/02/19
<b>Well License Number</b>		<b>Prepared By</b>	Jacob McCallie
<b>Field</b>	Lundgren		
<b>Well Type</b>	Vertical		

<b>Test Type</b>	Drill Stem Test		
<b>Formation</b>	DST #9 Mississippi 4310-4360'		
<b>Well Fluid Type</b>	06 Water	<b>Start Test Time</b>	19:43:00
		<b>Final Test Time</b>	03:34:00
<b>Start Test Date</b>	2012/02/18		
<b>Final Test Date</b>	2012/02/19		
<b>Gauge Name</b>	30035		
<b>Gauge Serial Number</b>			

### Test Results

**RECOVERED:**

176'	Watery Mud	35% WTR	65% MUD
126'	Muddy WTR	73% WTR	27% MUD
302	TOTAL FLUID		

**PH:** 7  
**RW:** .98 @ 45 degrees F  
**Chlorides:** 15,000

**TOOL SAMPLE:**  
1% OIL 71% WTR 28% MUD

# KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-584-9709 \* WICHITA, KS

## GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.

LEASE # 1-31 LARRY

FIELD LUNDGREN

LOCATION 1700' FSL 2 2310' FEL

SEC 31 TWP 19s RGE 29w

COUNTY GOVE STATE KANSAS

CONTRACTOR L. D. DRILLING, INC.

SPUD 2-6-12 COMP 2-20-12

RTD 4425 LTD 4427

RUB UP 3300 TYPE MUD CHEMICAL

ELEVATIONS

KB 2650

DF

GL 2644

Measurements Are All From 2650 KB

CASING SURFACE 8 5/8" @ 291'  
PRODUCTION 4 1/2" @

ELECTRICAL SURVEYS  
DUAL IND, DENS., N. MICRO

SAMPLES SAVED FROM 3300 TO 4425

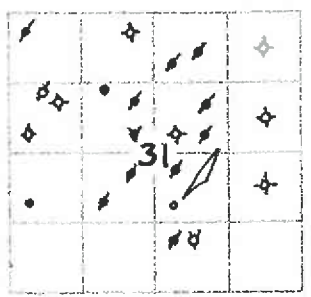
DRILLING TIME KEPT FROM 3200 TO 4425

SAMPLES EXAMINED FROM 3300 TO 4425

GEOLOGICAL SUPERVISION FROM 3500 TO 4425

GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	2050+600	2049+601
B/ANH.	2082+568	2081+569
STOTLER	3282-632	3281-631
HEEBNER	3655-1005	3656-1006
LANSING	3692-1042	3693-1043
STARK	3938-1288	3937-1287
MARMATON	4038-1388	4036-1386
FORT SCOTT	4190-1540	4188-1538
CHEROKEE	4216-1566	4214-1564
MISS. SPERGEN	4290-1640	4289-1639



REMARKS

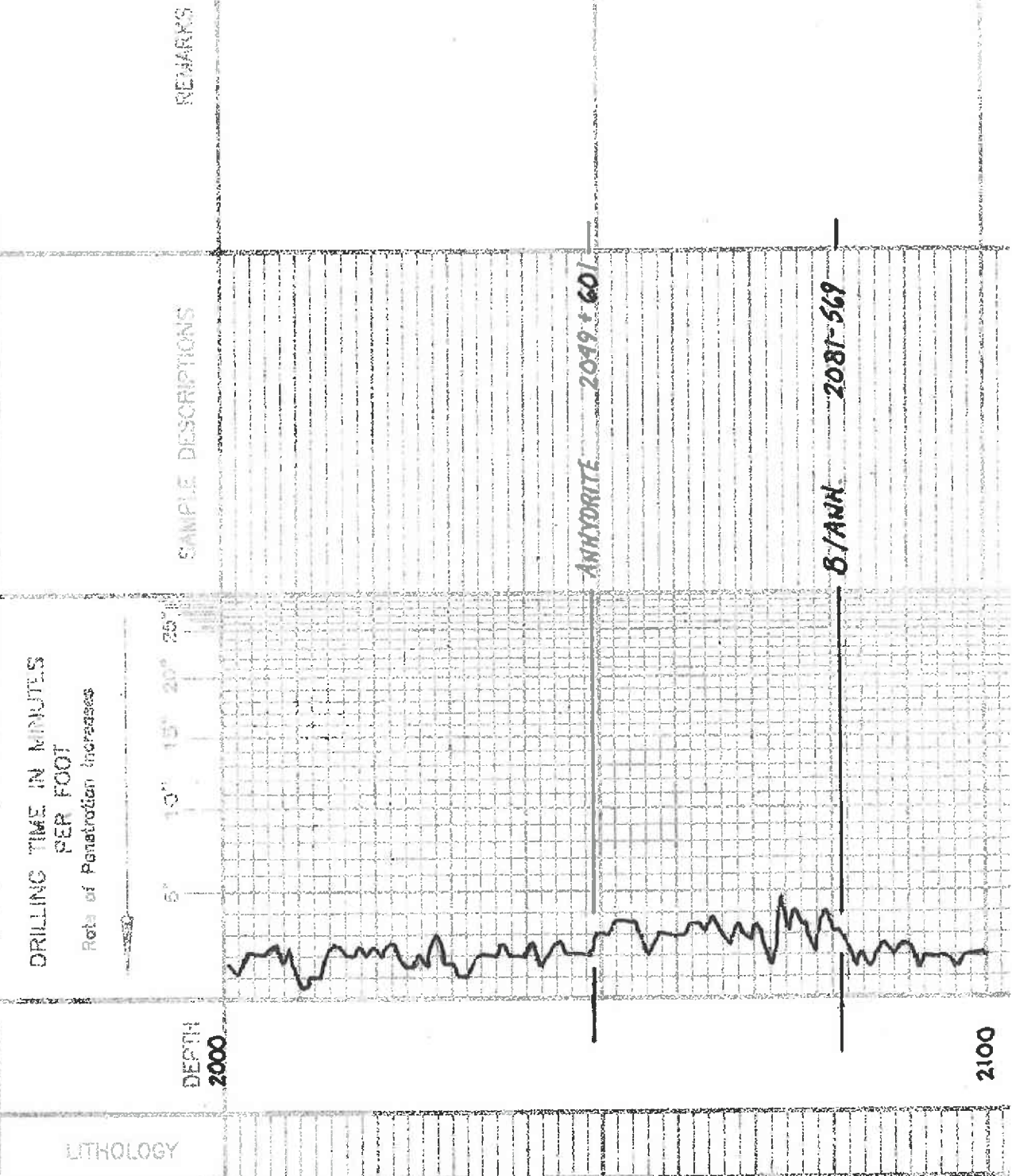
API: 16-063-21963

2-6-12 SPUD 2-18 @ 4313'  
2-7 @ 296' 2-19 @ 4374'  
2-8 @ 1170' 2-20 @ 4425'  
2-9 @ 2025'  
2-10 @ 2750'  
2-11 @ 3239'  
2-12 @ 3682'  
2-13 @ 3729'  
2-14 @ 3835'  
2-15 @ 3961'  
2-16 @ 4165'  
2-17 @ 4282'

### LEGEND

- Anhydrite
- Salt
- Sandstone
- Shale
- Carb sh
- Limestone
- Dolomite
- Chert

SHOEG1-06

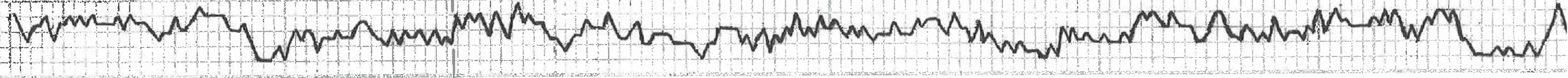


2100

3200

3300

3400



Samples are bagged

WAB. STOTLER 3281-631

✓ Dist. Displaced Mud  
@ 3300

LS To Br. Foss. Collected

Sh. LG.

LS. wt. Sh. Foss. Sil. Chalky

LS. To LG. Dolomitic. Sh. Foss. Fash.

Sh. Blue-G.

LS. To LG. V Sh. A. Dir.

Sh. LG. 84-85

LS. To LG. V Sh. Foss. Pyritic.

LS. G. Sh. Foss.

Sh. Ory.

Sh. LG.

LS. G. V Foss. Dolomitic.

LS. G. V Sh. Foss.

Sh. G.

LS. To LG. Dolomitic. V Foss. Sil.

Sh. LG.



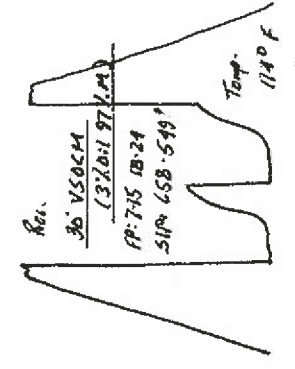
15. 1/4" Dr. VSI. Foss. 1st. Chilly.

MUNCIE CREEK 3850-1200  
Sh. 1/4" Blk. 15. Bl. VSE. Foss.

16. 1/4" Dr. VSI. Foss. 1st. Chilly. Fr. P. 1/2" Sp. Bl. DE. Bl. Sh. VSSP. 1/2" Bl. Sp. Foss. Col. w/ Bl. Sp. H. G. No. 0.02. No. 0.02.

DST (A) 3849-3929  
15' OPEN: Blow built to 3"

24' OPEN: 30' 30' 30' 30'



15. 7. 1/4" Dr. VSI. Foss. 1st. Chilly. Fr. P. 1/2" Sp. Bl. DE. Bl. Sh. VSSP. 1/2" Bl. Sp. Foss. Col. w/ Bl. Sp. H. G. No. 0.02. No. 0.02.

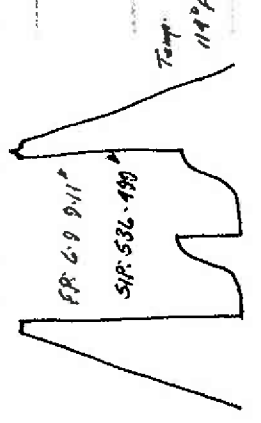
DST (S) 3935-3961  
15' OPEN: Blow built to 1 1/2"

24' OPEN: " " 1/2"

15. 7. 1/4" Dr. VSI. Foss. 1st. Chilly.

30' 30' 30' 30'

Rec. 10' 51. Speed Mud



STARK 3937-1287  
Sh. Blk. Camb.

15. 7. 1/4" Dr. VSI. Foss. 1st. Chilly. Fr. P. 1/2" Sp. Bl. DE. Bl. Sh. VSSP. 1/2" Bl. Sp. Foss. Col. w/ Bl. Sp. H. G. No. 0.02. No. 0.02.

15. 7. 1/4" Dr. VSI. Foss. 1st. Chilly.

HUSHUCKNEY 3973-1323  
Sh. Blk. Camb.

15. 7. 1/4" Dr. VSI. Foss. 1st. Chilly.

15. 7. 1/4" Dr. VSI. Foss. 1st. Chilly.

BIKE 4014-1364  
Sh. Blk. Camb.

15. 7. 1/4" Dr. VSI. Foss. 1st. Chilly.

MARMATON 4036-1386  
Sh. Blk. Camb.

15. 7. 1/4" Dr. VSI. Foss. 1st. Chilly.

15. 7. 1/4" Dr. VSI. Foss. 1st. Chilly.

15. 7. 1/4" Dr. VSI. Foss. 1st. Chilly.

15. 7. 1/4" Dr. VSI. Foss. 1st. Chilly.

15. 7. 1/4" Dr. VSI. Foss. 1st. Chilly.

PANTEE 4128-1978  
Sh. Blk. Camb.

15. 7. 1/4" Dr. VSI. Foss. 1st. Chilly.

15. 7. 1/4" Dr. VSI. Foss. 1st. Chilly.

DST (A)  
VSI: 48  
WT: 9.2  
WL: 7.6  
CAL: 2000

DST (S)

VSI: 48  
WT: 9.3  
WL: 6.0  
CAL: 2000

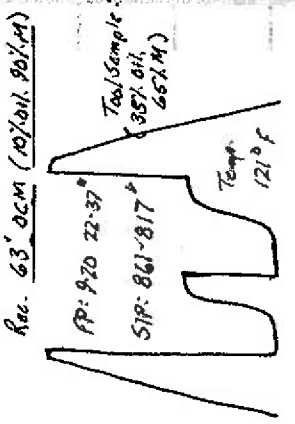
3900

4000

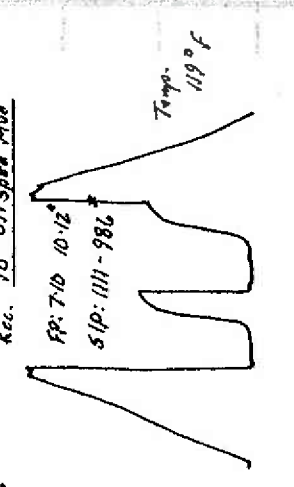
4100



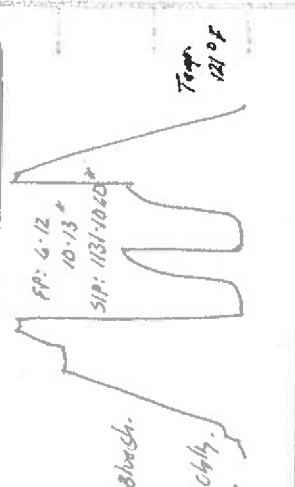
**DST (6) 4157-4282**  
 1500EV: Blow built to 8"  
 2nd OPEN: Bottom Blower 42 1/2 MIN. BB: 2  
 30. 45. 15-60



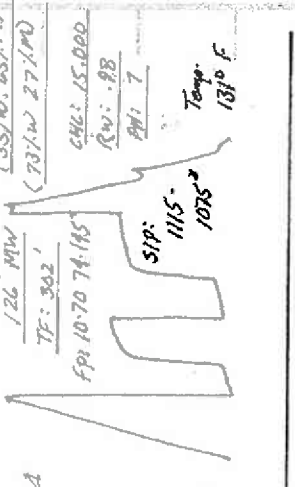
**DST (7) 4272-4299**  
 1500EV: Blow built to 1 1/2"  
 2nd OPEN: " " " 1/4"  
 30. 30. 30-30-30



**DST (8) 4297-4313**  
 1500EV: Blow built to 1 3/4"  
 2nd OPEN: " " " 1/2"  
 30. 30. 30-30-30



**DST (9) 4310-4360**  
 1500EV: Bottom Blower 2 1/2 MIN. BB: None  
 2nd OPEN: " " " 28 MIN.  
 30. 45. 45-60



13. 20' 10" USA Foss. Dm.  
 Sh. Blue Clay. 13' to Dm.

**MYRICK STATION 4166-4516**  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.

**FORT SCOT 4188-4538**  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.

**CHEROKEE 4214-4564**  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.

**JOHNSON 4259-4609**  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.

**MISS. ST. LOUIS 4282-4632**  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.

**MISS. WARSAW 4339-4689**  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.

**MISS. OSAGE 4416-4766**  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.

**ATO 4425-4775**  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.

**MISS. OSAGE 4416-4766**  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.

**MISS. OSAGE 4416-4766**  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.  
 15. 10' 10" USA Foss. Dm. Sh. Blue Clay. 13' to Dm.

**MISS. OSAGE 4416-4766**  
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