



KANSAS CORPORATION COMMISSION 1082071  
OIL & GAS CONSERVATION DIVISION

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:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SLOW
- Gas     D&A     ENHR     SIGW
- OG     GSW     Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD

Plug Back: \_\_\_\_\_ 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
<u>02/06/2012</u>	<u>02/19/2012</u>	<u>03/14/2012</u>

API No. 15 - 15-063-21963-00-00  
Spot Description: 50' N OF SW NW SE N2SWNWSE  
N2 SW NW SE Sec. 31 Twp. 14 S. R. 29  East  West  
1700 Feet from  North /  South Line of Section  
2310 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Gove  
Lease Name: LARRY Well #: 1-31  
Field Name: LUNDGREN

Producing Formation: MISSISSIPPI  
Elevation: Ground: 2646 Kelly Bushing: 2650  
Total Depth: 4425 Plug Back Total Depth: 4421  
Amount of Surface Pipe Set and Cemented at: 291 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from: 2082  
feet depth to: 0 w/ 425 sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: 2800 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: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: Deanna Garrison Date: 05/22/2012



1082071

Operator Name: L. D. Drilling, Inc. Lease Name: LARRY Well #: 1-31  
 Sec. 31 Twp. 14 S. R. 29  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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  DUAL COMPENSATED POROSITY LOG DUAL INDUCTION LOG MICRORESISTIVITY	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border: none;"> <tr> <td style="width:33%; text-align: center;">Name</td> <td style="width:33%; text-align: center;">Top</td> <td style="width:33%; text-align: center;">Datum</td> </tr> <tr> <td style="text-align: center;">Attached</td> <td style="text-align: center;">Attached</td> <td style="text-align: center;">Attached</td> </tr> </table>	Name	Top	Datum	Attached	Attached	Attached
Name	Top	Datum					
Attached	Attached	Attached					

CASING RECORD <input checked="" 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
SURFACE	12.25	8.625	24	291	CLASS A	200	2%CC, 1/4#CellFlake
PRODUCTION	7.875	4.5	11.6	4422	COMMON	175	

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
4	4293 - 4299'; 4340 - 4344'	750 gal 28% Acid	
		1500 gal 28% Acid	

TUBING RECORD:	Size: <u>2.375</u>	Set At: <u>4418</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>03/16/2012</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio

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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <span style="margin-left: 20px;"><i>(Submit ACO-4)</i></span> <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	Depth	Depth
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**  
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>1117</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	PM	TIME
<u>21755</u>	<u>9</u>						<u>2-6</u>			<u>12:30</u>
<u>78111</u>	<u>9</u>					ARRIVED AT JOB	<u>2-6</u>			<u>11:00</u>
<u>19919</u>	<u>9</u>					START OPERATION	<u>2-7</u>			<u>05:00</u>
<u>17854</u>	<u>9</u>					FINISH OPERATION	<u>2-7</u>			<u>06:30</u>
<u>17578</u>	<u>9</u>					RELEASED	<u>2-7</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>Cellulose</u>	<u>lb</u>	<u>50</u>		
<u>CC109</u>	<u>Calcium 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>Tn</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>Supv. 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>NIC</u>	
SUB TOTAL					<u>7602.80</u>

CHEMICAL / ACID DATA:			

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

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

FIELD SERVICE ORDER NO.



# 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>GOVE</i>		State <i>Ks</i>		
Job Type <i>292 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		Shots/Ft		Lead <i>See callsheet</i>	
Depth	Depth	From	To			
Volume	Volume	From	To		Tail In	
Max Press	Max Press	From	To			
Well Connection	Annulus Vol.	From	To			
Plug Depth	Packer Depth		From	To		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log	
<i>23:00</i>					<i>on loc. / Hold Safety Meeting</i>	
<i>23:20</i>					<i>Spot + Rig up Equip.</i>	
<i>04:30</i>					<i>css on bottom line w/ rig</i>	
<i>05:10</i>	<i>1800</i>				<i>Test Pump + Lines</i>	
<i>05:12</i>	<i>140</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>160</i>		<i>46</i>	<i>2.3</i>	<i>Finished w/ CMT</i>	
<i>06:08</i>	<i>110</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>1435419578</i>		
Driver Names		<i>Cochran</i>	<i>Mendoza</i>	<i>Grijalva</i>		

J. Bennett  
Customer Representative
J. Bennett  
Station Manager
M. Cochran  
Cementer
Taylor Printing, Inc.



**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 05902 A

DATE TICKET NO.

DATE OF JOB <u>2-20-12</u> DISTRICT <u>Pratt</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</u>		LEASE <u>Larcy</u> WELL NO. <u>1-31</u>				
ADDRESS		COUNTY <u>Gove</u> STATE <u>KS</u>				
CITY STATE		SERVICE CREW <u>Orlando, Mitchell, Lawrence, McCaskey</u>				
AUTHORIZED BY		JOB TYPE: <u>CNW-1/2 2stage L.S</u>				
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED <u>2-20-12</u> DATE AM TIME
<u>27283</u>						ARRIVED AT JOB <u>PM 12:00</u>
<u>19826-19860</u>						START OPERATION <u>PM 4:00</u>
<u>19940-19918</u>						FINISH OPERATION
<u>33708-20920</u>						RELEASED
						MILES FROM STATION TO WELL <u>100</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: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP100C	Common Cement	SK	175		2800.00
CP101	Accon Blend	SK	425		7650.00
CP101	Accon Blend	SK	50		900.00
CC102	Cell Plate	Lb	163		603.0
CC109	Calcium Chloride	Lb	1341		1408.05
CC112	Friction Reducer	Lb	50		300.00
CC113	Gyp Sum	Lb	825		618.75
CC129	FLA-322	Lb	50		375.00
CG200	Cement Gel	Lb	330		82.50
CG400	Two Stage Cement Collar 4 1/2 (Red)	ea	1		4500.00
CE600	Latch Down Plug & Baffle (3/4" Red)	ea	1		720.00
CF1250	Auto Fill Float Valve 4 1/2 (Blue)	ea	1		3300.00
CF1650	Turbolizer 4 1/2" (Blue)	ea	1		5100.00
CF1900	Basket 4 1/2" (Blue)	ea	1		270.00
CC151	mod flush	gal	1000		860.00
SUB TOTAL					27652.69

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE Steve Orlando THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: LD Davis  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



# BASIC

energy services, L.P.

1st ~~Stage~~ Stage

## TREATMENT REPORT

Customer	L.D. Drilling	Lease No.		Date	2-20-12						
Lease	Larry	Well #	1-31								
Field Order #	5902	Station	Pratt	Casing	4 1/2	Depth	4429	County	Gove	State	KS
Type Job	4 1/2 L.S. 2 Stage			Formation		Legal Description	31-14-29				

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft	Cement	Acid	Pre Pad	RATE	PRESS	ISIP
10 1/2				175 lbs Cement				5 Min.
Depth	Depth	From	To	425	Acid	Max		10 Min.
4429								15 Min.
Volume	Volume	From	To		Pad	Min		
70.3								
Max Press	Max Press	From	To		Frac	Avg		
1500								
Well Connection	Annulus Vol.	From	To			HHP Used		Annulus Pressure
P.C.								
Plug Depth	Packer Depth	From	To		Flush	Gas Volume		Total Load
444					70			

Customer Representative		Station Manager	Dave Scott	Treater	Steve Orland
Service Units	27283	19826	19860	19960/19918	33708/20920
Driver Names	Orlando	Meloney	Lawrence	Mitchell	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:00 AM					On location - Safety meeting
					Run 106 Sts 4 1/2 C65
					Centralizers 1-3-5-79-54
					Basket 55
					DV Tool Set 0 2082
					Shoe 37 16.02
3:30	2000				Casing on Bottom Break circ w/
4:00 AM	300		24	5	Mud flush
4:05	300		5	5	H2O Spacer
4:06	300		44.5	5	Mix 175 lbs cement @ 15#/gal
					Shot Down Clear pump & line
					Drop Latch Down plug
4:25	0		0	6	Start H2O Displacement
4:30	600		30	5	Start mud Displacement
4:40	1700		70	4	plug Down - Hold
					Drop DV Opening Tool
5:00 AM	1200				Start mud to Open DV Tool
					Circulate 1 hour
					Bottom Stage Complete



# BASIC

energy services, L.P.

2ND STAGE

## TREATMENT REPORT

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

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
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Service Units	27283/19324/19860	19960/19918	53708/20920				
Driver Names	Orlando	McLashley	Lawrence	Mitchell			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:00			0	5	Mix 425 lbs Ac on @ 12#/6cl
			187	5	Shut Down Clear Pump + Line Release Plug
6:39	0	0	0	6	Start H2O Displacement
6:45	1500		33	5	Plug Down
6:50	2000				Close DV TOOL
					Plug R/W/mitt w/500 lbs Ac on
					Job Complete Thanks, Steve
					Circulation Then Job Circulated 24 bbl cement TO PIT

# KIM B. SHOEMAKER

CONSULTING GEOLOGIST

516-584-9705 \* WICHITA, KS

## GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>L.D. DRILLING, INC.</u>	ELEVATIONS
LEASE <u># 1-31 LARRY</u>	KB <u>2650</u>
FIELD <u>LUNDGREN</u>	OF
LOCATION <u>1700' FSL 7 2310' FEL</u>	GL <u>2649</u>
SEC <u>31</u> TWP <u>19S</u> RGE <u>29W</u>	Measurements Are All From <u>2650 KB</u>
COUNTY <u>GOVE</u> STATE <u>KANSAS</u>	
CONTRACTOR? <u>L.D. DRILLING, INC.</u>	CASING
EPID <u>2-6-12</u> COMF <u>2-20-12</u>	SURFACE <u>8 5/8" @ 291'</u>
RTD <u>4425</u> LTD <u>4427</u>	PRODUCTION <u>4 1/2" @</u>
WOB UP <u>3300</u> TYPE MUD <u>CHEMICAL</u>	ELECTRICAL SURVEYS
	DUAL INDY DENIS-N. MICRO

SAMPLES SAVED FROM <u>3300</u> TO <u>4425</u>
DRILLING TIME KEPT FROM <u>3200</u> TO <u>4425</u>
SAMPLES EXAMINED FROM <u>3300</u> TO <u>4425</u>
GEOLOGICAL SUPERVISION FROM <u>3500</u> TO <u>4425</u>
GEOLOGIST ON WELL <u>KIM B. SHOEMAKER</u>

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	2050+600	2049+601
B/ANH.	2082+588	2081+569
STOTLER	3282-632	3281-631
HEGNER	3655-1005	3656-1006
LANSING	3692-1012	3692-1043
STARK	3938-1288	3937-1287
MARMATON	4038-1388	4036-1386
FORT SCOTT	4120-1510	4188-1538
CHEYBEE	4216-1566	4214-1564
MISS. SPERGEN	4290-1640	4289-1639

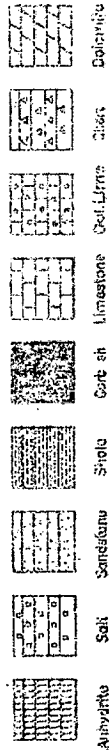


REMARKS

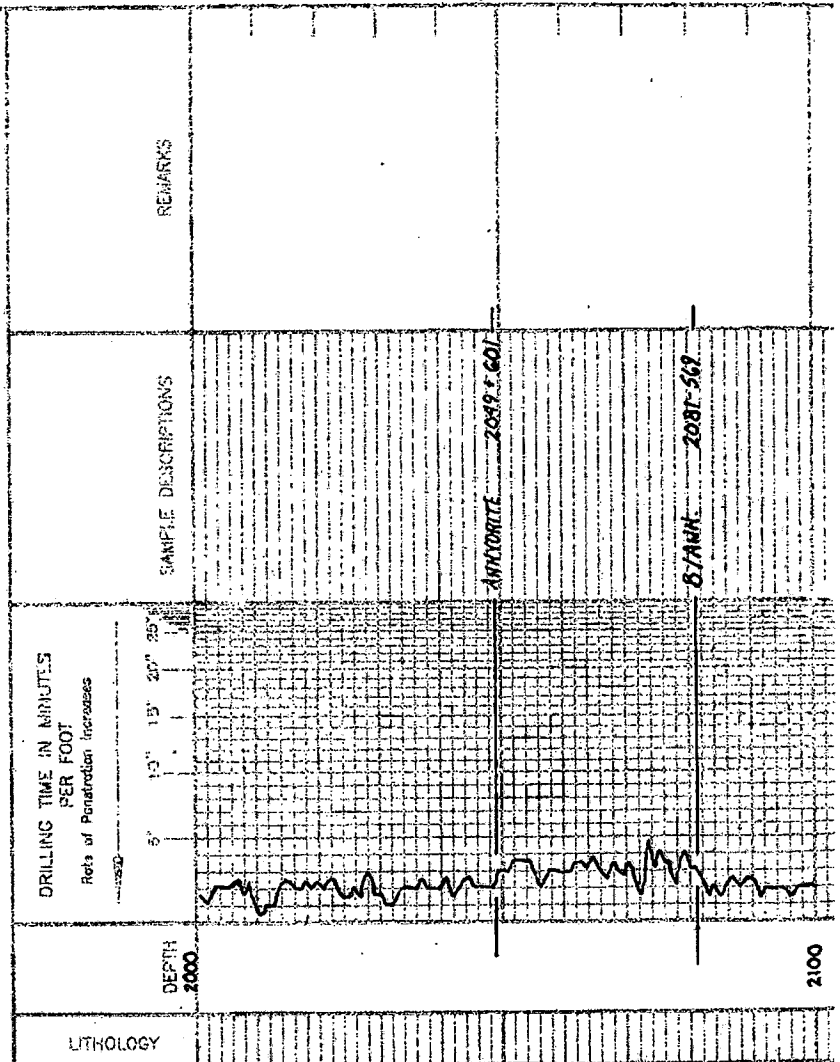
APR 18 06:21 2163

2-6-12 5800 2-18 @ 4313  
 2-7 @ 495 2-19 @ 4374  
 2-8 @ 1170 2-20 @ 4425  
 2-1 @ 2885  
 2-10 @ 2750  
 2-11 @ 3232  
 2-12 @ 3482  
 2-13 @ 3721  
 2-14 @ 3855  
 2-15 @ 3961  
 2-16 @ 4165  
 2-17 @ 4282

LEGEND



SHOEG1-08

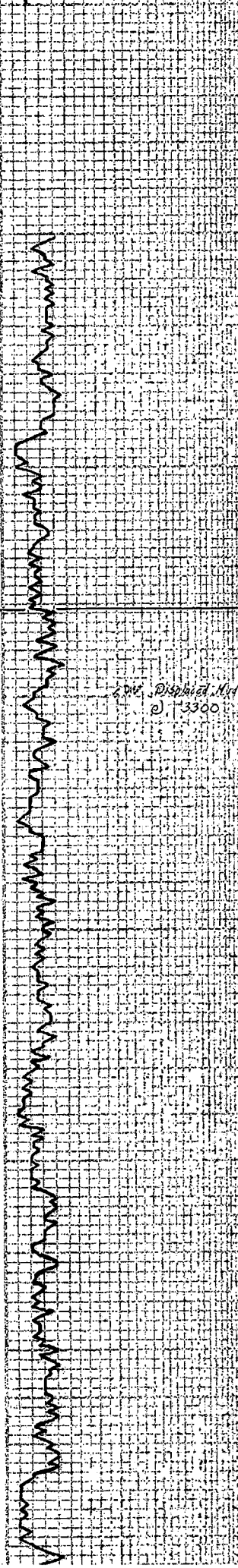


2100

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WAS. STOTLER 3281-631

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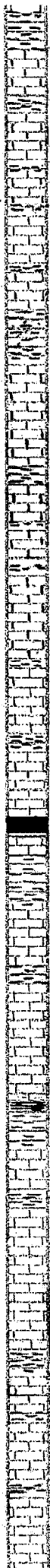
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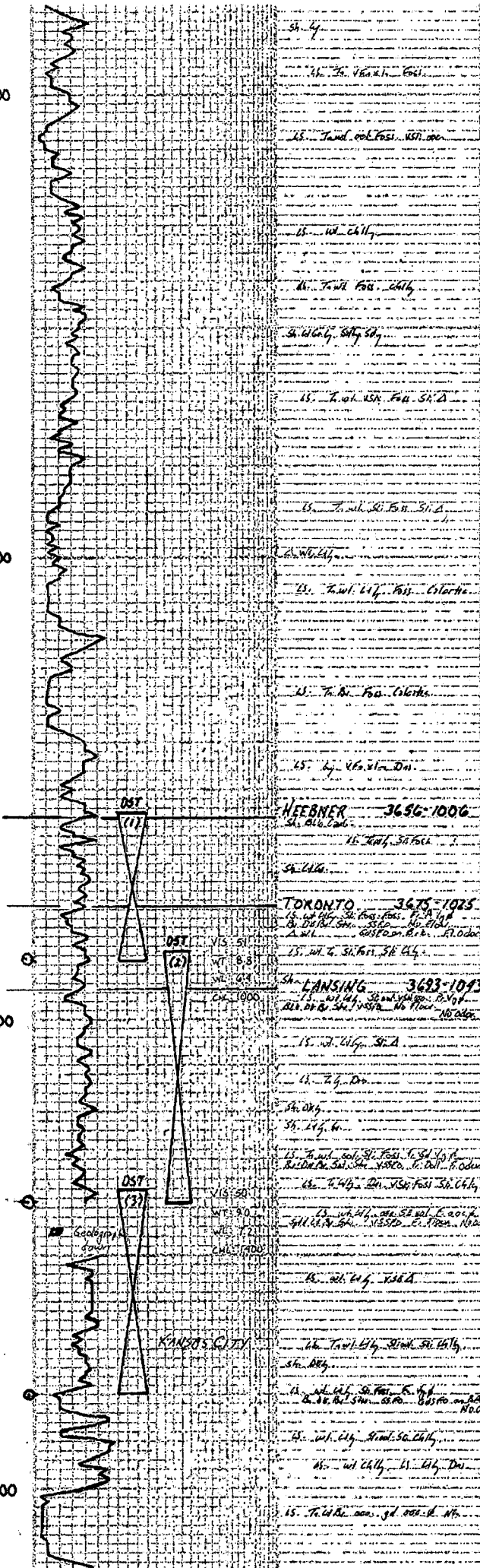


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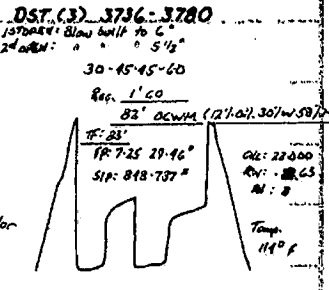
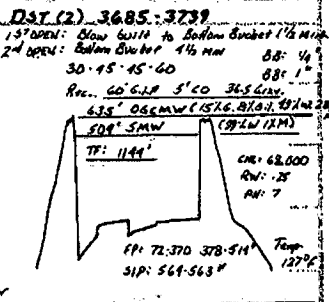
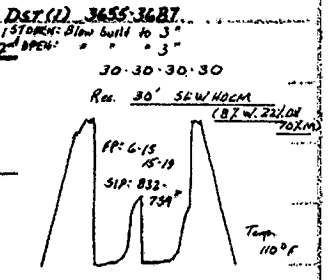
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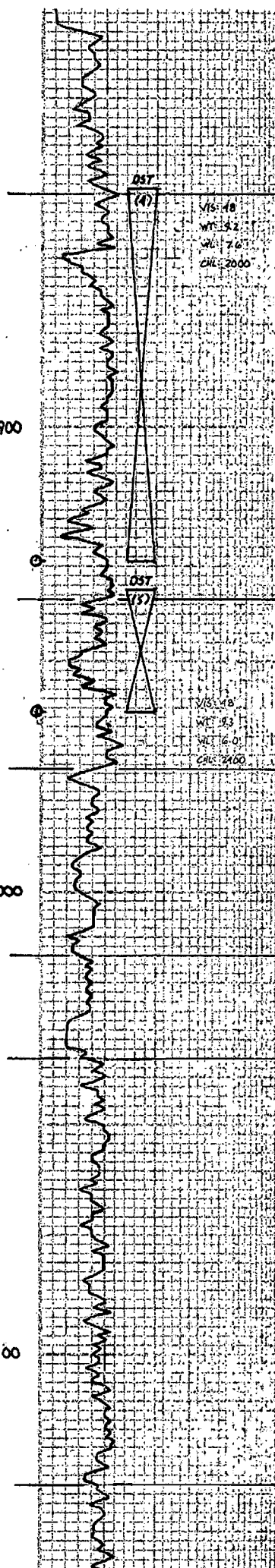
**HEEBNER 3656-1006**  
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**TORONTO 3675-1025**  
 15. 1/2 inch. 1/2 inch. 1/2 inch.

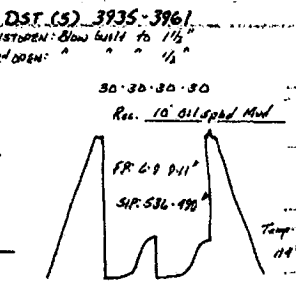
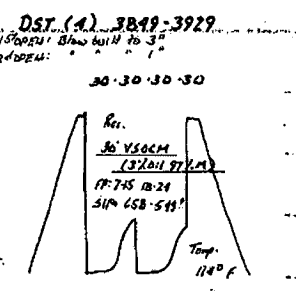
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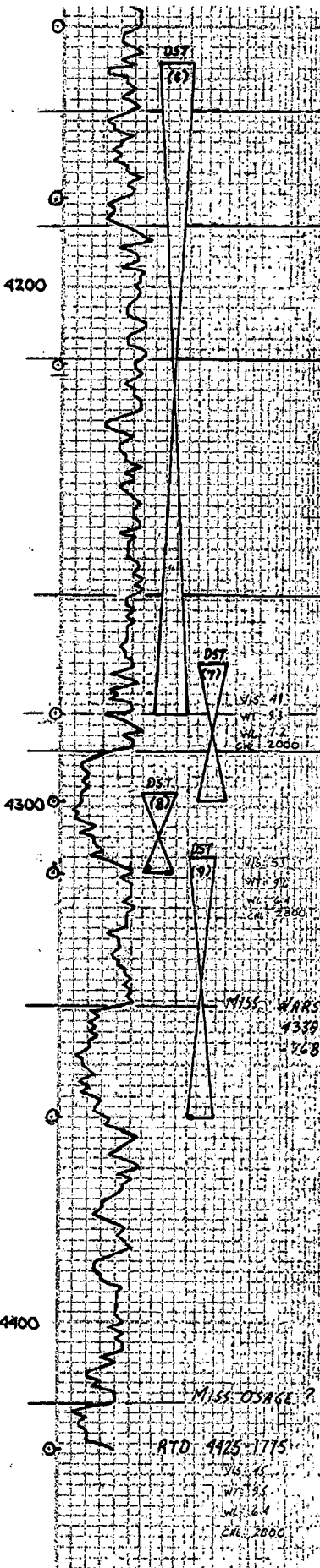
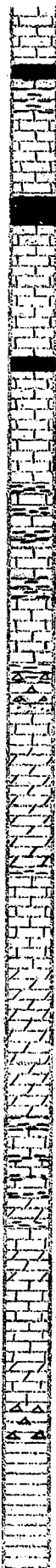
**KANSAS CITY**





13. Ly. Du. ...  
**MUNCIE CREEK 3850-1200**  
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**STARX 3937-1287**  
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 19. ...  
**HUSKBUCKNEY 3973-1323**  
 20. ...  
 21. ...  
**BICK 4014-1364**  
 22. ...  
**MARMATON 4036-1386**  
 23. ...  
 24. ...  
**PANNEE 4178-1578**  
 25. ...





**MYRICK STATION 4166-1516**  
 1st OPEN: Blow count to 8"  
 2nd OPEN: Bottom Blowcount 12 1/2 min. 88"  
 30 45 15-60  
 Rec. 63' OCM (10/24, 90/24)  
 PP: 970 22-37  
 SIP: 861-817  
 Temp. 121° F  
 Tail Sample 887.81, 662.97

**FORT SCOT 4188-1538**  
 1st OPEN: Blow count to 8"  
 2nd OPEN: " " " 1 1/2"  
 30 30 30-30  
 Rec. 10' Oil Spud Mud  
 PP: 710 10-12  
 SIP: 1111-986  
 Temp. 119° F

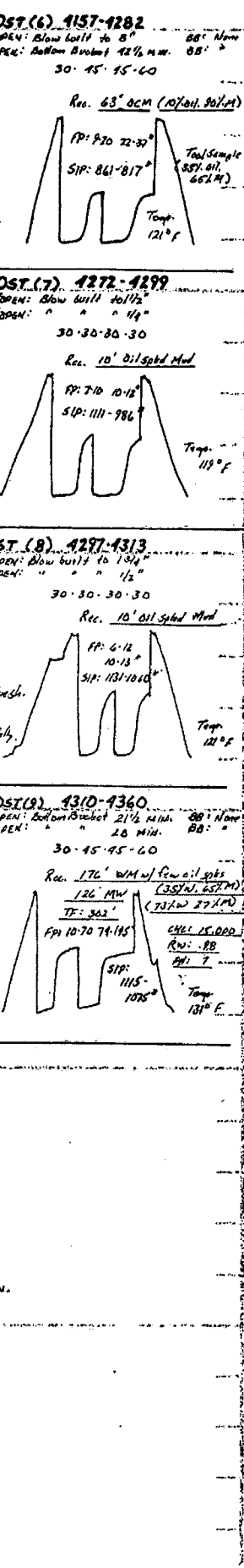
**CHEROKEE 4214-1564**  
 1st OPEN: Blow count to 8"  
 2nd OPEN: " " " 1 1/2"  
 30 30 30-30  
 Rec. 10' Oil Spud Mud  
 PP: 6-12  
 SIP: 1013-1010  
 Temp. 121° F

**MISS. ST. LOUIS 4282-1632**  
 1st OPEN: Blow count to 8"  
 2nd OPEN: " " " 1 1/2"  
 30 45 45-60  
 Rec. 176' W.M.W./F.W.O. Spud  
 126 MW (3574, 6577)  
 TF: 302'  
 PP: 1070 74-115  
 SIP: 1115  
 Temp. 131° F

**MISS. WARSAW 4339-1689**  
 1st OPEN: Blow count to 8"  
 2nd OPEN: " " " 1 1/2"  
 30 45 45-60  
 Rec. 176' W.M.W./F.W.O. Spud  
 126 MW (3574, 6577)  
 TF: 302'  
 PP: 1070 74-115  
 SIP: 1115  
 Temp. 131° F

**MISS. OSAGE 4416-1766**  
 1st OPEN: Blow count to 8"  
 2nd OPEN: " " " 1 1/2"  
 30 45 45-60  
 Rec. 176' W.M.W./F.W.O. Spud  
 126 MW (3574, 6577)  
 TF: 302'  
 PP: 1070 74-115  
 SIP: 1115  
 Temp. 131° F

**RTD 4425-1775**  
 1st OPEN: Blow count to 8"  
 2nd OPEN: " " " 1 1/2"  
 30 45 45-60  
 Rec. 176' W.M.W./F.W.O. Spud  
 126 MW (3574, 6577)  
 TF: 302'  
 PP: 1070 74-115  
 SIP: 1115  
 Temp. 131° F





**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: larry1-31dst1

TIME ON: 11:10:00  
 TIME OFF: 17:40:00

Company LD Drilling Inc Lease & Well No. Larry #1-31  
 Contractor LD Drilling Inc Charge to LD Drilling Inc  
 Elevation 2650 KB Formation Toronto Effective Pay \_\_\_\_\_ Ft. Ticket No. S0091  
 Date 2-12-12 Sec. 31 Twp. \_\_\_\_\_ 14 S Range \_\_\_\_\_ 29 W County \_\_\_\_\_ Gove State KANSAS  
 Test Approved By Kim Shoemaker Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 3655 ft. to 3687 ft. Total Depth 3687 ft.  
 Packer Depth 3650 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3655 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

**Depth of Selective Zone Set**

Top Recorder Depth (Inside) 3640 ft. Recorder Number 30035 Cap. 10000 P.S.I.  
 Bottom Recorder Depth (Outside) 3684 ft. Recorder Number 3851 Cap. 5700 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
 Mud Type Chem Viscosity 51 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
 Weight 8.8 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 1,000 P.P.M. Drill Pipe Length 3626 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number Safety Joint Test Tool Length 29 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 32 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: 1/4" Blow- Built to 3" in 30 min **WSBB**  
 2nd Open: 1/4" Blow- Built to 3" in 30 min **WSBB**

Recovered 30 ft. of WTR Cut Oily Mud 22% Oil 8% WTR 70% Mud  
 Recovered 30 ft. of TOTAL FLUID

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>Diesel Fuel In Bucket</u>	Insurance
<b>TOOL SAMPLE: 20% Oil 11% WTR 69% Mud</b>	Total

Time Set Packer(s) 1:30 PM <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 3:30 PM <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 110

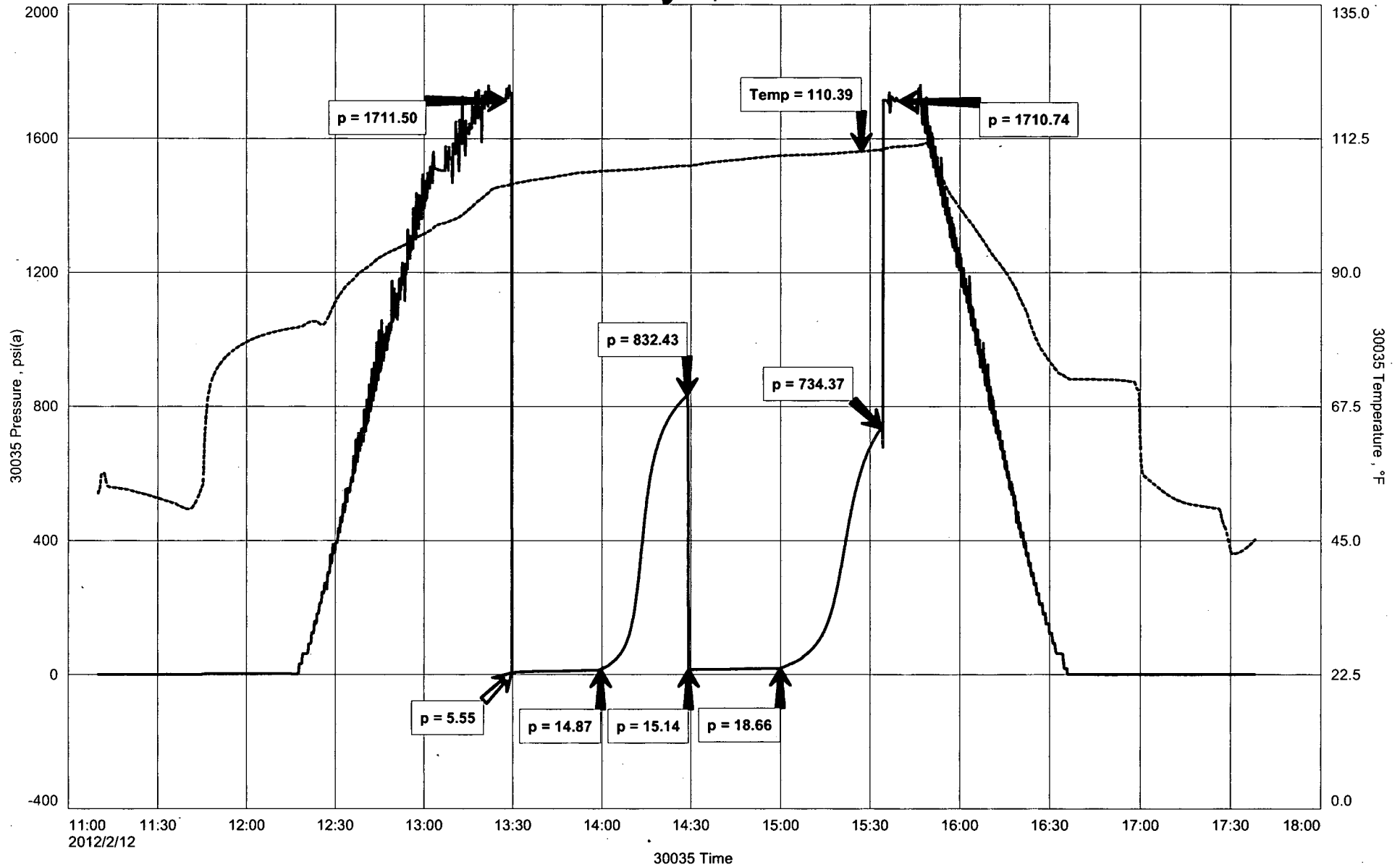
Initial Hydrostatic Pressure..... (A) 1712 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 6 P.S.I. to (C) 15 P.S.I.  
 Initial Closed In Period..... Minutes 30 (D) 832 P.S.I.  
 Final Flow Period..... Minutes 30 (E) 15 P.S.I. to (F) 19 P.S.I.  
 Final Closed In Period..... Minutes 30 (G) 734 P.S.I.  
 Final Hydrostatic Pressure..... (H) 1711 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 #1 Toronto 3655-3687'  
Start Test Date: 2012/02/12  
Final Test Date: 2012/02/12

Larry # 1-31  
Formation: DST #1 Toronto 3655-3687'  
Pool: Wildcat  
Job Number: S0091

# Larry # 1-31





# Diamond Testing

## General information Report

### General Information

Company Name LD Drilling Inc

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

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

### 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



**DIAMOND TESTING**  
P.O. Box 157  
HOISINGTON, KANSAS 67544  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: Jarry1-31dst2

TIME ON: 02:12:00  
TIME OFF: 10:00:00

Company LD Drilling Inc Lease & Well No. Larry #1-31  
Contractor LD Drilling Inc Charge to LD Drilling Inc  
Elevation 2650 KB Formation Lansing A-B Effective Pay \_\_\_\_\_ Ft. Ticket No. S0092  
Date 2-13-12 Sec. 31 Twp. \_\_\_\_\_ 14 S Range \_\_\_\_\_ 29 W County \_\_\_\_\_ Gove State KANSAS  
Test Approved By Kim Shoemaker Diamond Representative Jacob McCallie

Formation Test No. 2 Interval Tested from 3685 ft. to 3739 ft. Total Depth 3739 ft.  
Packer Depth 3680 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3685 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) \_\_\_\_\_ 3670 ft. Recorder Number 30035 Cap. 10000 P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ 3736 ft. Recorder Number 3851 Cap. 5700 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chem Viscosity 51 Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight 8.8 Water Loss 6.4 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 1,000 P.P.M. Drill Pipe Length 3656 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number Safety Joint Test Tool Length 29 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 54 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: 4" Blow- Built to BB in 1 1/2 min 1/4" BB  
2nd Open: 2" Blow- Built to BB in 4 1/2 min 1" BB

Recovered 5 ft. of CO 100% CO Gravity: 36.5 @ 60 degrees F  
Recovered 635 ft. of Oil/Gas Cut Muddy WTR 15% Gas 8% Oil 49% WTR 28% Mud  
Recovered 504 ft. of Mud Specked WTR 99% WTR 1% Mud  
Recovered 1144 ft. of Total Fluid

Recovered _____ ft. of <u>Ph: 7</u> <u>RW: .25 @ 40 degrees F</u>	Price Job
Recovered _____ ft. of <u>Chlorides: 68,000 ppm</u>	Other Charges
Remarks: <u>Diesel Fuel In Bucket</u>	Insurance
<u>TOOL SAMPLE: 100% CO</u>	Total

Time Set Packer(s) 4:11 AM <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 7:11 AM <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 127

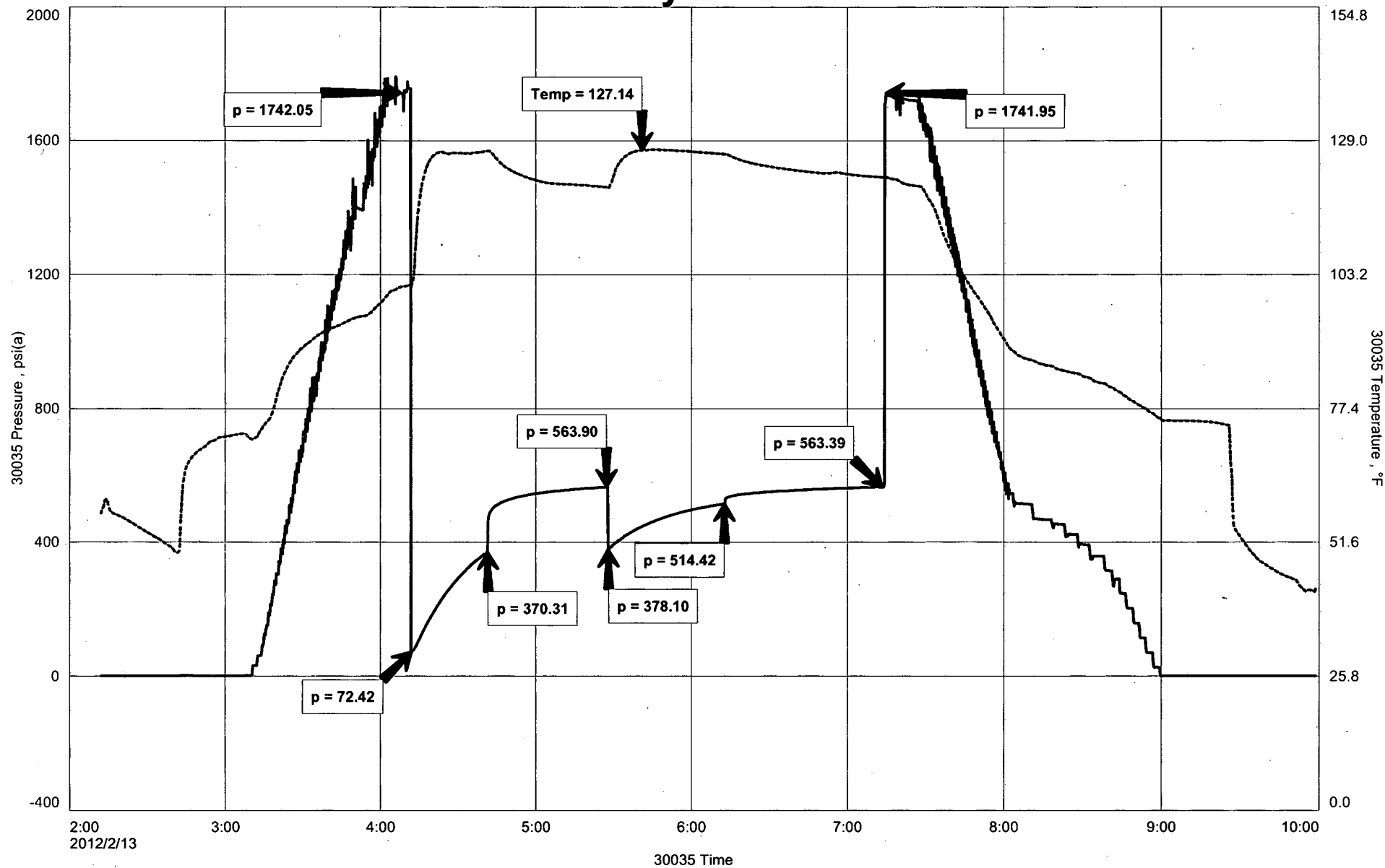
Initial Hydrostatic Pressure..... (A) 1742 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 72 P.S.I. to (C) 370 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 564 P.S.I.  
Final Flow Period..... Minutes 45 (E) 378 P.S.I. to (F) 514 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 563 P.S.I.  
Final Hydrostatic Pressure..... (H) 1742 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

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

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

### 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: larry1-31dst3

TIME ON: 18:32:00 2-13  
 TIME OFF: 02:02:00 2-14

Company LD Drilling Inc Lease & Well No. Larry #1-31  
 Contractor LD Drilling Inc Charge to LD Drilling Inc  
 Elevation 2650 KB Formation Lansing C-E Effective Pay \_\_\_\_\_ Ft. Ticket No. S0093  
 Date 2-13-12 Sec. 31 Twp. \_\_\_\_\_ 14 S Range \_\_\_\_\_ 29 W County Gove State KANSAS  
 Test Approved By Kim Shoemaker Diamond Representative Jacob McCallie

Formation Test No. 3 Interval Tested from 3736 ft. to 3780 ft. Total Depth 3780 ft.  
 Packer Depth 3731 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3736 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3721 ft. Recorder Number 30035 Cap. 10000 P.S.I.  
 Bottom Recorder Depth (Outside) 3777 ft. Recorder Number 3851 Cap. 5700 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chem Viscosity 50 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
 Weight 9 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 1,400 P.P.M. Drill Pipe Length 3707 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number Safety Joint Test Tool Length 29 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 44 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: 1/2" blow- Built to 6" in 30 min **NOBB**  
 2nd Open: 1/4" blow- Built to 5 1/2" in 45 min **NOBB**

Recovered 83 ft. of Oily Watery Mud 12% OIL 30% WTR 58% MUD  
 Recovered 83 ft. of TOTAL FLUID

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of PH: 8

Recovered \_\_\_\_\_ ft. of RW: .63 @ 40 degrees F Price Job \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of Chlorides: 22,000 ppm Other Charges \_\_\_\_\_

Remarks: Diesel Fuel In Bucket Insurance \_\_\_\_\_

TOOL SAMPLE: 8% OIL 47% WTR 45% MUD Total \_\_\_\_\_

Time Set Packer(s) 8:42 PM A.M. P.M. Time Started Off Bottom 11:42 PM A.M. P.M. Maximum Temperature 114

Initial Hydrostatic Pressure..... (A) 1758 P.S.I.

Initial Flow Period..... Minutes 30 (B) 7 P.S.I. to (C) 25 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 848 P.S.I.

Final Flow Period..... Minutes 45 (E) 29 P.S.I. to (F) 46 P.S.I.

Final Closed In Period..... Minutes 60 (G) 737 P.S.I.

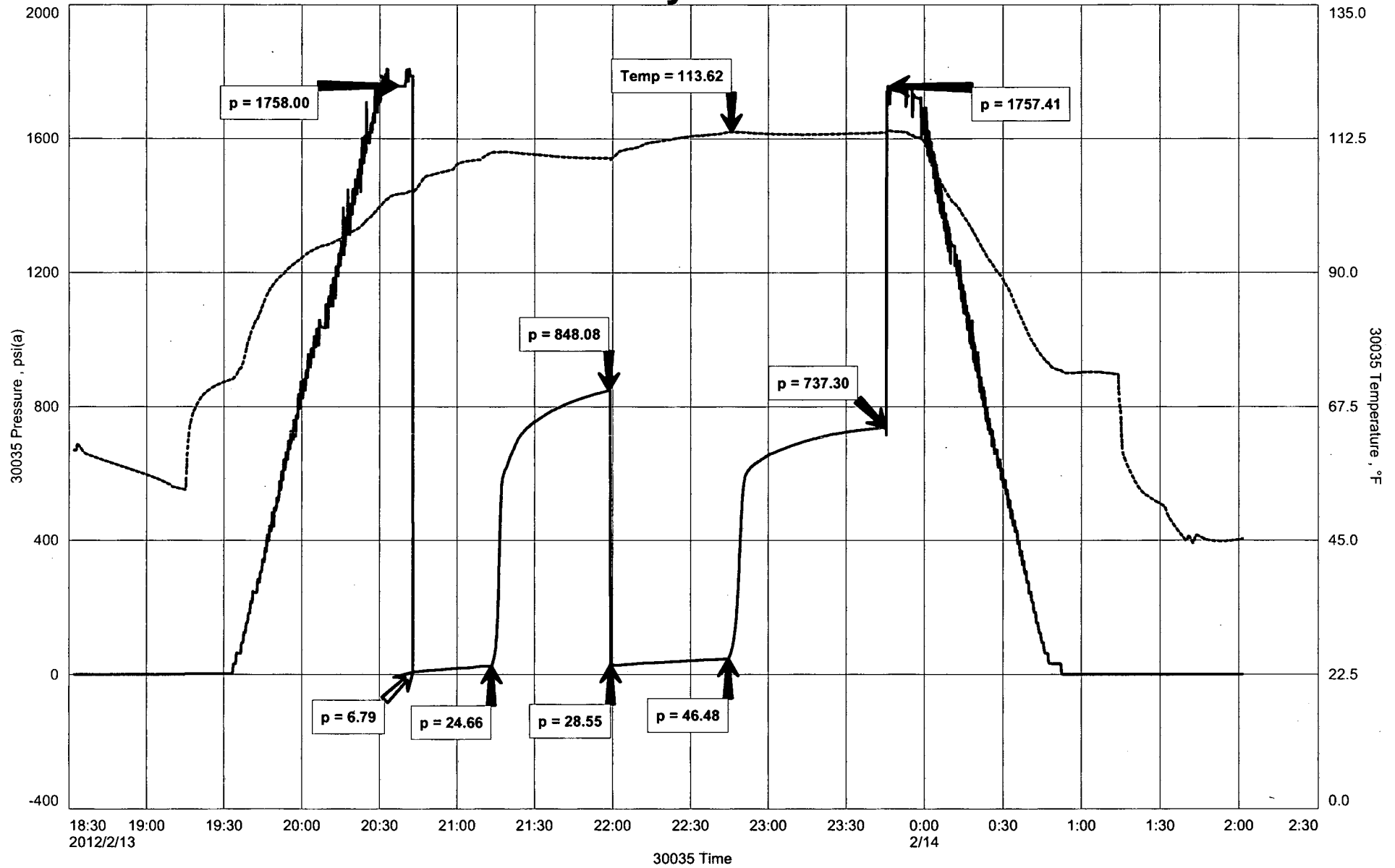
Final Hydrostatic Pressure..... (H) 1757 P.S.I.

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

Contact

LD Davis

Well Name

Larry #1-31

Job Number

S0093

Unique Well ID

DST #3 Lansing C-E 3736-3780'

Representative

Jacob McCallie

Surface Location

SEC 31-14S-29W Gove County

Well Operator

LD Drilling Inc

Well License Number

Report Date

2012/02/14

Field

Lundgren

Prepared By

Jacob McCallie

Well Type

Vertical

Test Type

Drill Stem Test

Formation

DST #3 Lansing C-E 3736-3780'

Well Fluid Type

06 Water

Start Test Time

18:32:00

Final Test Time

02:02:00

Start Test Date

2012/02/13

Final Test Date

2012/02/14

Gauge Name

30035

Gauge Serial Number

### 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: larry1-31dst4

TIME ON: 16:38:00  
TIME OFF: 22:42:00

Company LD Drilling Inc Lease & Well No. Larry #1-31  
Contractor LD Drilling Inc Charge to LD Drilling Inc  
Elevation 2650 KB Formation Lansing H-J Effective Pay \_\_\_\_\_ Ft. Ticket No. S0094  
Date 2-14-12 Sec. 31 Twp. 14 S Range 29 W County Gove State KANSAS  
Test Approved By Kim Shoemaker Diamond Representative Jacob McCallie

Formation Test No. 4 Interval Tested from 3849 ft. to 3929 ft. Total Depth 3929 ft.  
Packer Depth 3844 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3849 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3834 ft. Recorder Number 30035 Cap. 10000 P.S.I.  
Bottom Recorder Depth (Outside) 3926 ft. Recorder Number 3851 Cap. 5700 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Mud Type Chem Viscosity 48 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.2 Water Loss 7.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 2,000 P.P.M. Drill Pipe Length 3820 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number Safety Joint Test Tool Length 29 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 80 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: 1/2" blow- Built to 3" in 30 min **NOBB**  
2nd Open: 1/4" blow- Built to 1" in 30 min **NOBB**

Recovered 30 ft. of Oil Specked Mud 3% OIL 97% MUD  
Recovered 30 ft. of TOTAL FLUID

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_ Price Job \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_ Other Charges \_\_\_\_\_

Remarks: Diesel Fuel In Bucket Insurance \_\_\_\_\_

TOOL SAMPLE: 2% OIL 98% MUD Total \_\_\_\_\_

Time Set Packer(s) 6:27 PM A.M. P.M. Time Started Off Bottom 8:27 PM A.M. P.M. Maximum Temperature 114

Initial Hydrostatic Pressure..... (A) 1844 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 7 P.S.I. to (C) 15 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 658 P.S.I.  
Final Flow Period..... Minutes 30 (E) 18 P.S.I. to (F) 24 P.S.I.  
Final Closed In Period..... Minutes 30 (G) 549 P.S.I.  
Final Hydrostatic Pressure..... (H) 1842 P.S.I.

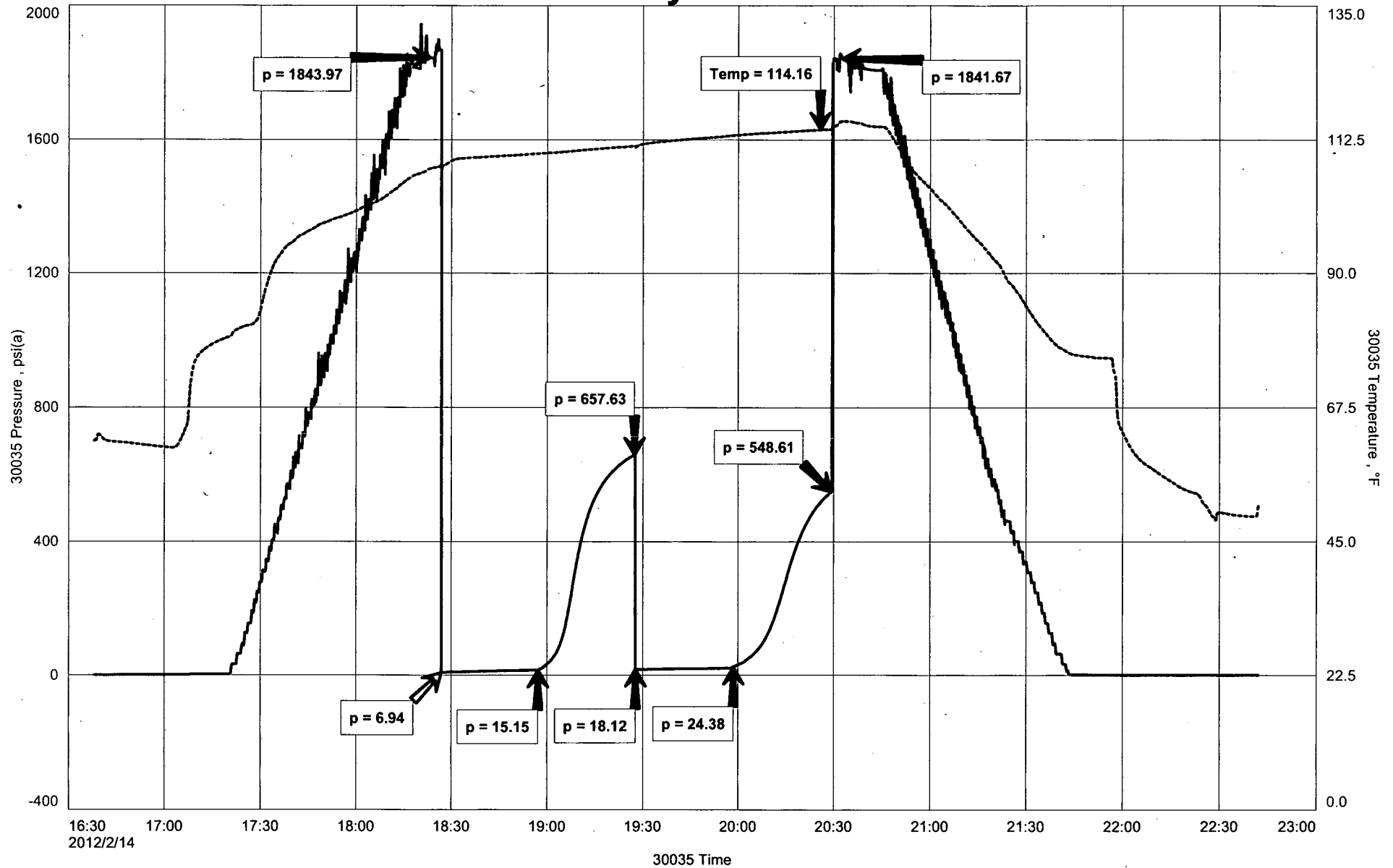
Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged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



LD Drilling Inc  
DST #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

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

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

### 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: larry1-31dst5

TIME ON: 06:08:00  
 TIME OFF: 12:16:00

Company LD Drilling Inc Lease & Well No. Larry #1-31  
 Contractor LD Drilling Inc Charge to LD Drilling Inc  
 Elevation 2650 KB Formation Lansing K Effective Pay \_\_\_\_\_ Ft. Ticket No. S0095  
 Date 2-15-12 Sec. 31 Twp. 14 S Range 29 W County Gove State KANSAS  
 Test Approved By Kim Shoemaker Diamond Representative Jacob McCallie

Formation Test No. 5 Interval Tested from 3935 ft. to 3961 ft. Total Depth 3961 ft.  
 Packer Depth 3930 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3935 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
 Top Recorder Depth (Inside) 3920 ft. Recorder Number 30035 Cap. 10000 P.S.I.  
 Bottom Recorder Depth (Outside) 3958 ft. Recorder Number 3851 Cap. 5700 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
 Mud Type Chem Viscosity 48 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
 Weight 9.2 Water Loss 7.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 2,000 P.P.M. Drill Pipe Length 3906 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number Safety Joint Test Tool Length 29 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 26 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: 1/4" blow- Built to 1 1/2" in 30 min **NOBB**  
 2nd Open: WSB- Built to 1/2" in 30 min **NOBB**

Recovered 10 ft. of Oil Specked Mud 1% Oil 99% Mud  
 Recovered 10 ft. of Total Fluid  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Remarks: Diesel Fuel In Bucket  
 Price Job \_\_\_\_\_  
 Other Charges \_\_\_\_\_  
 Insurance \_\_\_\_\_  
 Total \_\_\_\_\_

TOOL SAMPLE: 100% DM  
 Time Set Packer(s) 8:26 AM A.M. P.M. Time Started Off Bottom 10:26 AM A.M. P.M. Maximum Temperature 114

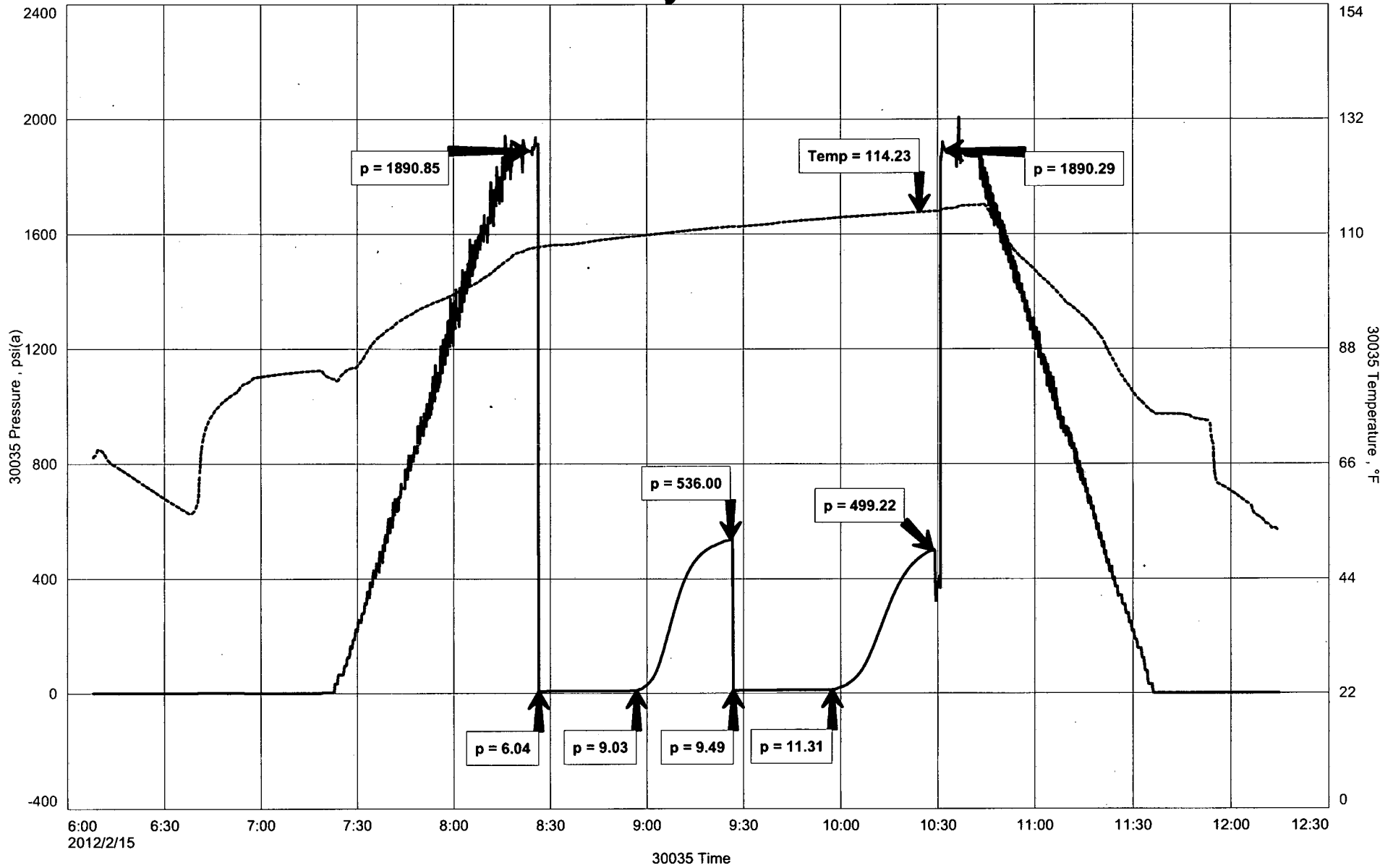
Initial Hydrostatic Pressure..... (A) 1891 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 6 P.S.I. to (C) 9 P.S.I.  
 Initial Closed In Period..... Minutes 30 (D) 536 P.S.I.  
 Final Flow Period..... Minutes 30 (E) 9 P.S.I. to (F) 11 P.S.I.  
 Final Closed In Period..... Minutes 30 (G) 499 P.S.I.  
 Final Hydrostatic Pressure..... (H) 1890 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

**Contact**

Well Name

Unique Well ID

Surface Location

Well License Number

Field

Well Type

LD Davis

Larry #1-31

DST #5 Lansing K 3935-3961'

SEC 31-14S-29W Gove County

Lundgren

Vertical

Job Number

S0095

Representative

Jacob McCallie

Well Operator

LD Drilling Inc

Report Date

2012/02/15

Prepared By

Jacob McCallie

**Test Type**

Drill Stem Test

Formation

DST #5 Lansing K 3935-3961'

Well Fluid Type

01 Oil

Start Test Time

06:08:00

Final Test Time

12:16:00

Start Test Date

2012/02/15

Final Test Date

2012/02/15

Gauge Name

30035

Gauge Serial Number

### 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: Larry1-31dst6

TIME ON: 23:20:00 2-16  
TIME OFF: 07:09:00 2-17

Company LD Drilling Inc Lease & Well No. Larry #1-31  
Contractor LD Drilling Inc Charge to LD Drilling Inc  
Elevation 2650 KB Formation Myrick / Johnson Effective Pay \_\_\_\_\_ Ft. Ticket No. S0096  
Date 2-17-12 Sec. 31 Twp. \_\_\_\_\_ 14 S Range \_\_\_\_\_ 29 W County \_\_\_\_\_ Gove State KANSAS  
Test Approved By Kim Shoemaker Diamond Representative Jacob McCallie

Formation Test No. 6 Interval Tested from 4157 ft. to 4282 ft. Total Depth 4282 ft.  
Packer Depth 4152 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4157 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4138 ft. Recorder Number 30035 Cap. 10000 P.S.I.  
Bottom Recorder Depth (Outside) 4279 ft. Recorder Number 3851 Cap. 5700 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chem Viscosity 49 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 2,000 P.P.M. Drill Pipe Length 4124 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 3 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 125 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: 1/2" blow- Built to 8" in 30 min **NOBB**  
2nd Open: 1/2" blow- Built to BB in 42 1/2 min **NOBB**

Recovered 63 ft. of Oily Mud 10% OIL 90% MUD  
Recovered 63 ft. of TOTAL FLUID  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>Diesel Fuel In Bucket</u>	Insurance
<b>TOOL SAMPLE: 35% OIL 65% MUD</b>	Total

Time Set Packer(s) 1:30 AM A.M. P.M. Time Started Off Bottom 4:30 AM A.M. P.M. Maximum Temperature 121

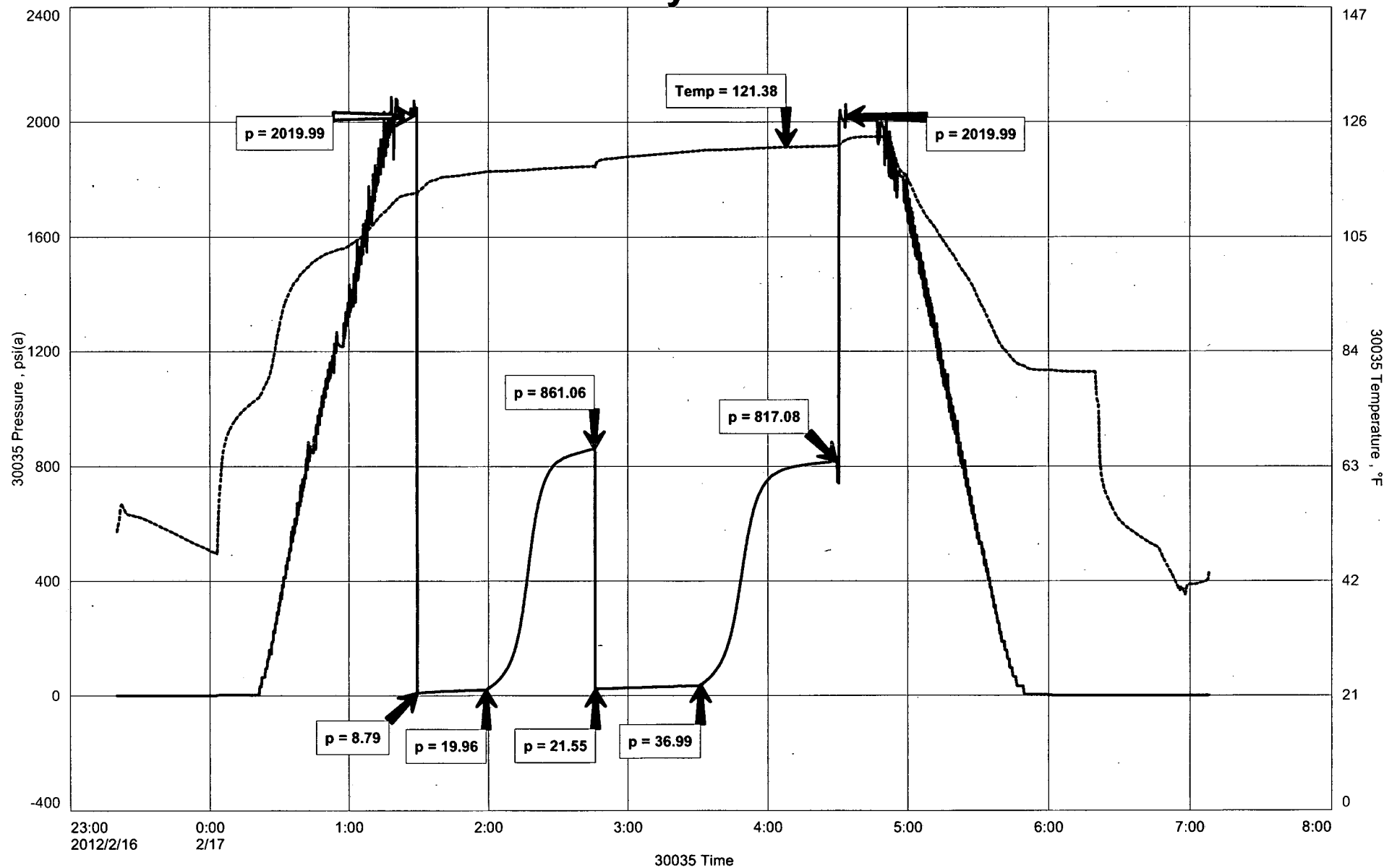
Initial Hydrostatic Pressure..... (A) 2020 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 20 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 861 P.S.I.  
Final Flow Period..... Minutes 45 (E) 22 P.S.I. to (F) 37 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 817 P.S.I.  
Final Hydrostatic Pressure..... (H) 2020 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	Job Number	S0096
Well Name	Larry #1-31	Representative	Jacob McCallie
Unique Well ID	DST #6 Myrick / Johnson 4157-4282'	Well Operator	LD Drilling Inc
Surface Location	SEC 31-14S-29W Gove County	Report Date	2012/02/17
Well License Number		Prepared By	Jacob McCallie
Field	Lundgren		
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
		Final Test Time	07:09:00
Start Test Date	2012/02/16		
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: larry1-31dst7

TIME ON: 15:36:00  
 TIME OFF: 21:39:00

Company LD Drilling Inc Lease & Well No. Larry #1-31  
 Contractor LD Drilling Inc Charge to LD Drilling Inc  
 Elevation 2650 KB Formation Mississippi Effective Pay \_\_\_\_\_ Ft. Ticket No. S0097  
 Date 2-17-12 Sec. 31 Twp. \_\_\_\_\_ 14 S Range \_\_\_\_\_ 29 W County \_\_\_\_\_ Gove State KANSAS  
 Test Approved By Kim Shoemaker Diamond Representative Jacob McCallie

Formation Test No. 7 Interval Tested from 4272 ft. to 4299 ft. Total Depth 4299 ft.  
 Packer Depth 4267 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 4272 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

**Depth of Selective Zone Set**

Top Recorder Depth (Inside) 4253 ft. Recorder Number 30035 Cap. 10000 P.S.I.  
 Bottom Recorder Depth (Outside) 4296 ft. Recorder Number 3851 Cap. 5700 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chem Viscosity 53 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
 Weight 9.4 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 2,800 P.P.M. Drill Pipe Length 4239 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number 3 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 27 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1/4" blow- Built to 1 1/2" in 30 min **NOBB**  
 2nd Open: WSB- Built to 1/4" in 30 min **NOBB**

Recovered 10 ft. of Oil Cut Mud 1% OIL 99% MUD  
 Recovered 10 ft. of TOTAL FLUID

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>Diesel Fuel In Bucket</u>	Insurance
<b>TOOL SAMPLE: 2% OIL 98% MUD</b>	Total

Time Set Packer(s) 5:34 PM A.M. P.M. Time Started Off Bottom 7:34 PM A.M. P.M. Maximum Temperature 119

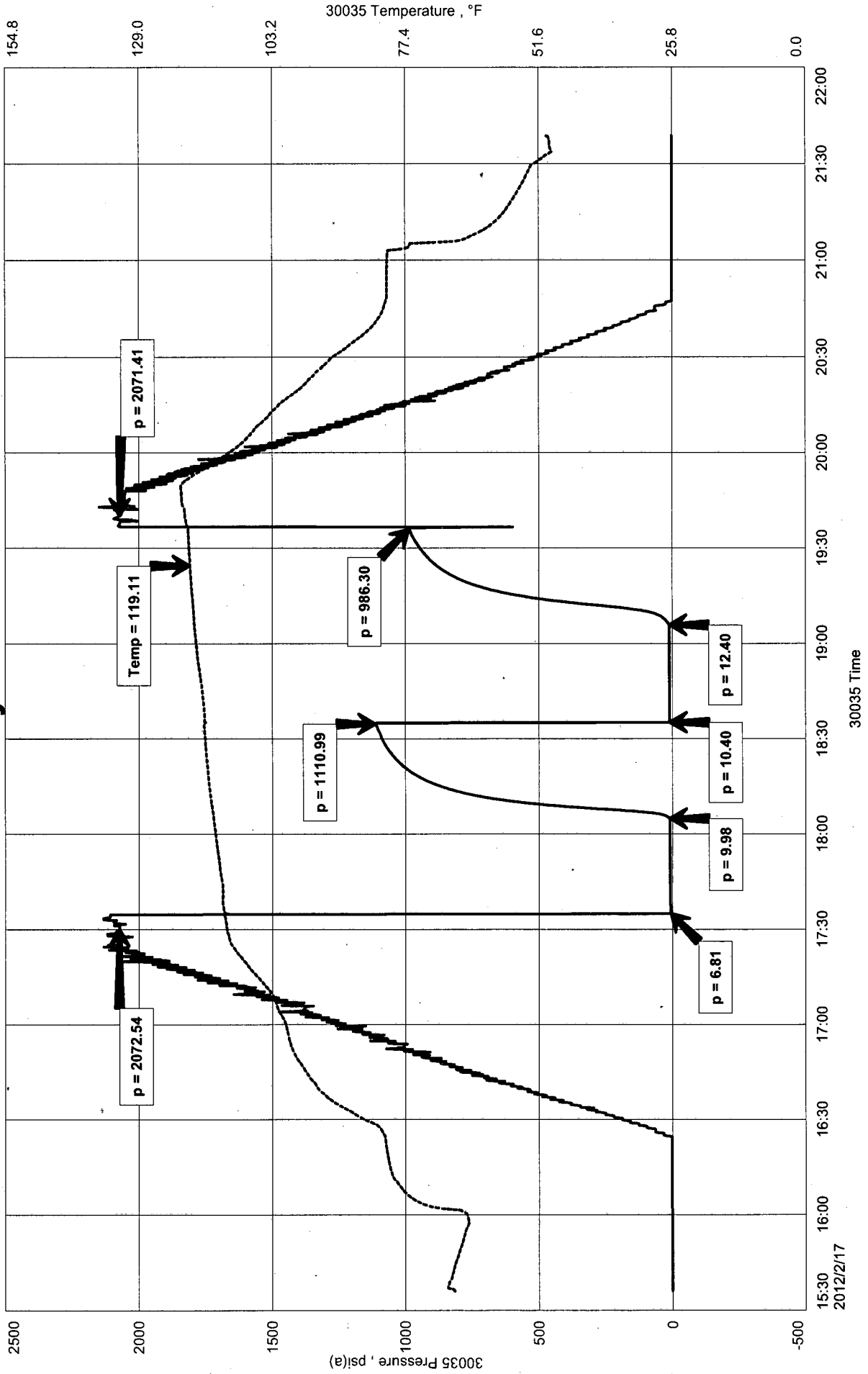
Initial Hydrostatic Pressure..... (A) 2073 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 7 P.S.I. to (C) 10 P.S.I.  
 Initial Closed In Period..... Minutes 30 (D) 1111 P.S.I.  
 Final Flow Period..... Minutes 30 (E) 10 P.S.I. to (F) 12 P.S.I.  
 Final Closed In Period..... Minutes 30 (G) 986 P.S.I.  
 Final Hydrostatic Pressure..... (H) 2071 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

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

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

### 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: larry1-31dst8

TIME ON: 04:16:00  
TIME OFF: 11:55:00

Company LD Drilling Inc Lease & Well No. Larry #1-31  
Contractor LD Drilling Inc Charge to LD Drilling Inc  
Elevation 2650 KB Formation Mississippi Effective Pay \_\_\_\_\_ Ft. Ticket No. S0098  
Date 2-18-12 Sec. 31 Twp. \_\_\_\_\_ 14 S Range \_\_\_\_\_ 29 W County \_\_\_\_\_ Gove State KANSAS  
Test Approved By Kim Shoemaker Diamond Representative Jacob McCallie

Formation Test No. 8 Interval Tested from 4297 ft. to 4313 ft. Total Depth 4313 ft.  
Packer Depth 4292 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4297 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4278 ft. Recorder Number 30035 Cap. 10000 P.S.I.  
Bottom Recorder Depth (Outside) 4310 ft. Recorder Number 3851 Cap. 5700 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Mud Type Chem Viscosity 53 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.4 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 2,800 P.P.M. Drill Pipe Length 4264 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 3 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 16 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: 1/4" blow- Built to 1 3/4" in 30 min **WSBB**  
2nd Open: WSB- Built to 1/2" in 30 min **WSBB**

Recovered 10 ft. of Oil Specked Mud 1% OIL 99% MUD  
Recovered 10 ft. of TOTAL FLUID  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Remarks: Diesel Fuel In Bucket  
TOOL SAMPLE: 3% OIL 97% MUD

	Price Job
	Other Charges
	Insurance
	Total

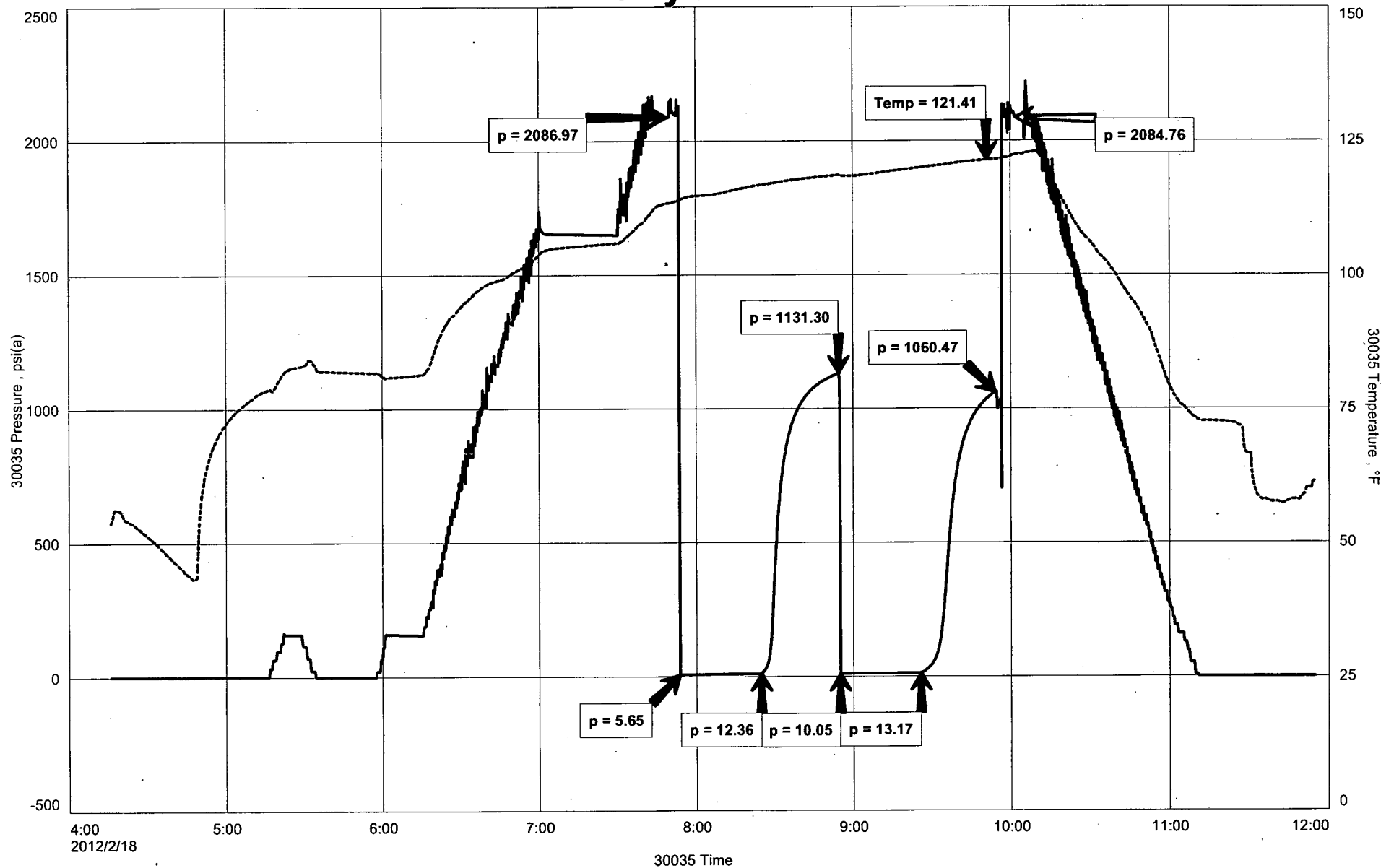
Time Set Packer(s) 7:53 AM <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 9:53 AM <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 121  
Initial Hydrostatic Pressure..... (A) 2087 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 6 P.S.I. to (C) 12 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 1131 P.S.I.  
Final Flow Period..... Minutes 30 (E) 10 P.S.I. to (F) 13 P.S.I.  
Final Closed In Period..... Minutes 30 (G) 1060 P.S.I.  
Final Hydrostatic Pressure..... (H) 2085 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 #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

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

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

### 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: larry1-31dst9

TIME ON: 19:43:00 2-18  
 TIME OFF: 03:34:00 2-19

Company LD Drilling Inc Lease & Well No. Larry #1-31  
 Contractor LD Drilling Inc Charge to LD Drilling Inc  
 Elevation 2650 KB Formation Mississippi Effective Pay \_\_\_\_\_ Ft. Ticket No. S0099  
 Date 2-19-12 Sec. 31 Twp. \_\_\_\_\_ 14 S Range \_\_\_\_\_ 29 W County \_\_\_\_\_ Gove State KANSAS  
 Test Approved By Kim Shoemaker Diamond Representative Jacob McCallie

Formation Test No. 9 Interval Tested from 4310 ft. to 4360 ft. Total Depth 4360 ft.  
 Packer Depth 4305 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 4310 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
 Top Recorder Depth (Inside) 4291 ft. Recorder Number 30035 Cap. 10000 P.S.I.  
 Bottom Recorder Depth (Outside) 4357 ft. Recorder Number 3851 Cap. 5700 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chem Viscosity 53 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
 Weight 9.6 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 2,800 P.P.M. Drill Pipe Length 4277 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number 3 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 50 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: 3/4" blow- Built to BB in 21 1/2 min **NOBB**  
 2nd Open: 1/2" blow- Built to BB in 28 min **NOBB**

Recovered 176 ft. of Watery Mud 35% WTR 65% MUD  
 Recovered 126 ft. of Muddy WTR 73% WTR 27% MUD  
 Recovered 302 ft. of TOTAL FLUID

Recovered \_\_\_\_\_ ft. of Ph: 7  
 Recovered \_\_\_\_\_ ft. of RW: .98 @ 45 degrees F Price Job \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of Chlorides: 15,000 ppm Other Charges \_\_\_\_\_  
 Remarks: Diesel Fuel In Bucket Insurance \_\_\_\_\_  
 TOOL SAMPLE: 1% OIL 71% WTR 28% MUD Total \_\_\_\_\_

Time Set Packer(s) 2-18 10:04 PM <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 2-19 1:04 AM <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 131

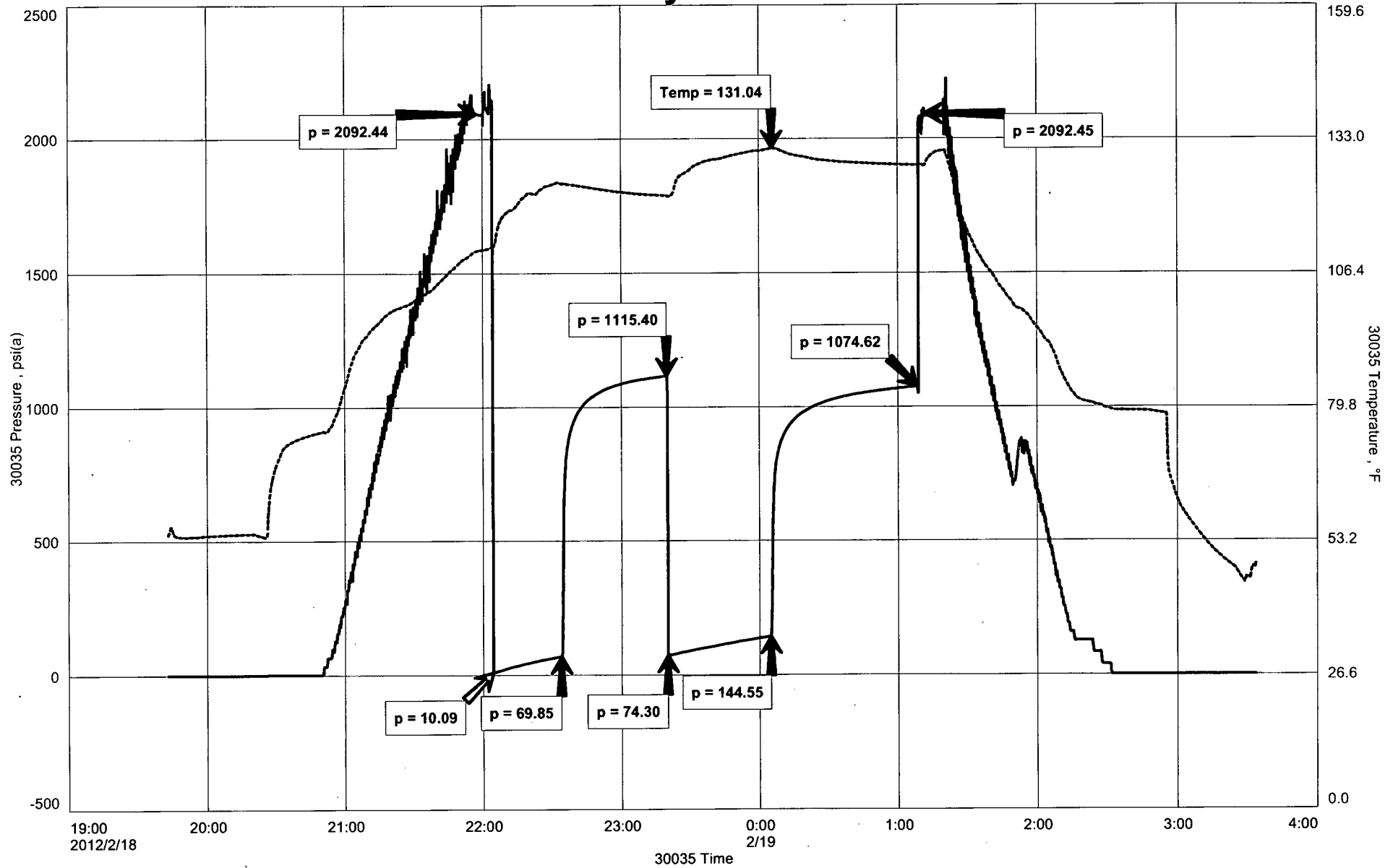
Initial Hydrostatic Pressure..... (A) 2092 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 70 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 1115 P.S.I.  
 Final Flow Period..... Minutes 45 (E) 74 P.S.I. to (F) 145 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 1075 P.S.I.  
 Final Hydrostatic Pressure..... (H) 2092 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 #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

**Contact**

Well Name

Unique Well ID

Surface Location

Well License Number

Field

Well Type

LD Davis

Larry #1-31

DST #9 Mississippi 4310-4360'

SEC 31-14S-29W Gove County

Lundgren

Vertical

Job Number

S0099

Representative

Jacob McCallie

Well Operator

LD Drilling Inc

Report Date

2012/02/19

Prepared By

Jacob McCallie

Test Type

Drill Stem Test

Formation

DST #9 Mississippi 4310-4360'

Well Fluid Type

06 Water

Start Test Time

19:43:00

Final Test Time

03:34:00

Start Test Date

2012/02/18

Final Test Date

2012/02/19

Gauge Name

30035

Gauge Serial Number

### 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