



**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: \_\_\_\_\_



1088543

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	SHARP 1-36
Doc ID	1088543

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
SURFACE	12.25	8.625	24	375	A-CON BLEND	175	
SURFACE CONT	12.25	8.625	24	375	COMMON	175	3% CC, 2% Gel, 1/4# CF
PRODUCTION	7.875	5.5	14	3629	AA-2 COMMON	150	18% Salt, 2% CalSet
RATHOLE	7.875	5.5	14	3629	60/40 POZMIX	30	



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

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

FIELD SERVICE TICKET  
1718 06272 A

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

DATE OF JOB <u>6-2-2012</u> DISTRICT <u>PRATT, KS.</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>LD DRILLING, INC.</u>		LEASE <u>SHARP</u> WELL NO. <u>1-36</u>								
ADDRESS		COUNTY <u>BARTON</u> STATE <u>Ks.</u>								
CITY STATE		SERVICE CREW <u>LESLEY, MATTEL, YOUNG</u>								
AUTHORIZED BY		JOB TYPE: <u>CNW-8 5/8" S.P.</u>								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
<u>37586</u>	<u>3</u>					<u>6-1-12</u>				<u>9:00</u>
<u>19903-19905</u>	<u>3</u>						<u>5</u>			<u>11:00</u>
<u>70959-19918</u>	<u>3</u>						<u>6-2-12</u>			<u>12:45</u>
										<u>2:00</u>
										<u>2:45</u>
										<u>45</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>CP 101</u>	<u>A-CON BLEND</u>	<u>SK</u>	<u>175</u>		<u>3,150.00</u>
<u>CP 100C</u>	<u>COMMON CMT.</u>	<u>SK</u>	<u>175</u>		<u>2,800.00</u>
<u>CC 102</u>	<u>CELL-FLAKE</u>	<u>lb</u>	<u>88</u>		<u>325.60</u>
<u>CC 109</u>	<u>CALCIUM CHLORIDE</u>	<u>lb</u>	<u>825</u>		<u>8166.25</u>
<u>CF 105</u>	<u>TOP RUBBER PLUG, 8 5/8"</u>	<u>EA</u>	<u>1</u>		<u>225.00</u>
<u>E 100</u>	<u>PICKUP MILEAGE</u>	<u>MI</u>	<u>45</u>		<u>191.25</u>
<u>E 101</u>	<u>HEAVY EQUIPMENT MILEAGE</u>	<u>MI</u>	<u>90</u>		<u>630.00</u>
<u>E 113</u>	<u>BULK DELIVERY CHARGE</u>	<u>TM</u>	<u>743</u>		<u>1,188.00</u>
<u>CE 200</u>	<u>DEPTH CHARGE; 0-500'</u>	<u>HR</u>	<u>1-4</u>		<u>1,000.00</u>
<u>CE 240</u>	<u>BLENDING SERVICE CHARGE</u>	<u>SK</u>	<u>350</u>		<u>490.00</u>
<u>CE 504</u>	<u>PLUG CONTAINER CHARGE</u>	<u>JOB</u>	<u>1</u>		<u>250.00</u>
<u>S 003</u>	<u>SERVICE SUPERVISOR</u>	<u>EA</u>	<u>1</u>		<u>175.00</u>

SUB TOTAL 8919.77

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]  
FIELD SERVICE ORDER NO. \_\_\_\_\_ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

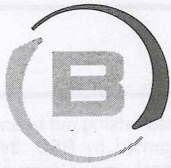
Customer	LD DRILLING, INC.	Lease No.			Date	6-2-2012	
Lease	SHARP	Well #	1-36				
Field Order #	Station	Casing	Depth	County	State		
	PRATT, KS.	8 5/8"		BARTON	KS.		
Type Job	CNW-8 5/8" S.P.		Formation	TD-380'		Legal Description	
						10-20-13	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME				
Casing Size 8 5/8" x 24"	Tubing Size	Shots/Ft	CMT-	Acid	175 SKS A-CON			RATE	PRESS	ISIP
Depth 375'	Depth	From	To	Pre Pad	@ 2.12 CU FT			Max		5 Min.
Volume 23.85 BBL	Volume	From	To	Pad	175 SKS COMMON			Min		10 Min.
Max Press 200	Max Press	From	To	Frac	@ 1.20 CU FT			Avg		15 Min.
Well Connection P.C.	Annulus Vol.	From	To				HHP Used			Annulus Pressure
Plug Depth 355'	Packer Depth	From	To	Flush	22.5 BBL			Gas Volume		Total Load

Customer Representative	LD DAVIS	Station Manager	D. SCOTT	Treater	K. LESLEY
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Service Units	37586	19903	19905	70959	19918
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:00 PM	6-1-12				ON LOCATION - SAFETY MEETING
12:00 AM	6-2-12				RUN 9 JTS. - 8 5/8" x 24" CSG.
12:35 AM					CSG. ON BOTTOM
12:40 AM					HOOK UP TO CSG. / BREAK CIRC. W/ RIG
1:30 AM	200		5	6	H2O AHEAD
1:35 AM	150		6	6	MIX 175 SKS. A-CON @ 12.6 PPG
1:46 AM	50		37	4	MIX 175 SKS. COMMON @ 15.6 PPG
1:52 AM					SHUT DOWN - RELEASE T.R. PLUG
1:54 AM	0		0	5	START DISPLACEMENT
1:57 AM	175		15	3	SLOW RATE
2:00 AM	200		22.5	3	PLUG DOWN - CLOSE IN @ HEAD
					CIRC. THRU. DB
					CIRC. 15 BBL TO PIT
					JOB COMPLETE
					THANKS -
					KEVEN LESLEY



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PRESSURE PUMPING & WIRELINE

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Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET  
1718 06355 A

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

DATE OF JOB <i>6/8/12</i>	DISTRICT <i>PRATT, KS</i>	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 <i>LD DRILLING, INC.</i>	LEASE <i>SHARP</i>	WELL NO. <i>1-36</i>							
ADDRESS	COUNTY <i>BARTON</i>	STATE <i>KS.</i>							
CITY	STATE	SERVICE CREW <i>KG, KEENEV, JOE</i>							
AUTHORIZED BY	JOB TYPE: <i>CNW - LOW STRAIN</i>								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<i>19907</i>							<i>6-7</i>		<i>1800</i>
						ARRIVED AT JOB	<i>6-7</i>	AM	<i>2030</i>
<i>27463</i>	<i>1</i>					START OPERATION	<i>6-8</i>	AM	<i>2400</i>
						FINISH OPERATION	<i>6-8</i>	AM	<i>2430</i>
<i>70959</i>	<i>1</i>					RELEASED	<i>6-8</i>	AM	<i>0130</i>
<i>19918</i>						MILES FROM STATION TO WELL			<i>45</i>

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
<i>CF100C</i>	<i>COMMON CEMENT</i>	<i>SK</i>	<i>150</i>		<i>2400.00</i>
<i>CP103</i>	<i>401-40 P02</i>	<i>SK</i>	<i>65</i>		<i>780.00</i>
<i>CC111</i>	<i>SALT</i>	<i>lb</i>	<i>1268</i>		<i>634.00</i>
<i>CC113</i>	<i>C4PSUM</i>	<i>lb</i>	<i>705</i>		<i>528.75</i>
<i>CC129</i>	<i>FLA-322</i>	<i>lb</i>	<i>141</i>		<i>1057.50</i>
<i>CC201</i>	<i>GASOLINE</i>	<i>lb</i>	<i>750</i>		<i>507.50</i>
<i>CF103</i>	<i>5/16 TOP RUBBER PLUG</i>	<i>EA</i>	<i>1</i>		<i>105.00</i>
<i>CF251</i>	<i>5/16 WIDE SHOE</i>	<i>EA</i>	<i>1</i>		<i>250.00</i>
<i>CF1451</i>	<i>5/16 API INSERT FLOAR</i>	<i>EA</i>	<i>1</i>		<i>215.00</i>
<i>CF1651</i>	<i>5/16 TURBO LIZER</i>	<i>EA</i>	<i>6</i>		<i>660.00</i>
<i>E100</i>	<i>PERM MILEAGE</i>	<i>mile</i>	<i>45</i>		<i>191.25</i>
<i>E101</i>	<i>TRUCK MILEAGE</i>	<i>mile</i>	<i>90</i>		<i>630.00</i>
<i>E113</i>	<i>BLANK DELIVERY</i>	<i>TM</i>	<i>443</i>		<i>709.20</i>
<i>CE204</i>	<i>DEPTH CHANGE 3001-4000'</i>	<i>EA</i>	<i>1</i>		<i>2160.00</i>
<i>CE240</i>	<i>BLAND PVC CHANGE</i>	<i>SK</i>	<i>215</i>		<i>301.00</i>
<i>CE504</i>	<i>PLUG CONTAINER</i>	<i>EA</i>	<i>1</i>		<i>250.00</i>
<i>5003</i>	<i>SERVICE SUPERVISOR</i>	<i>EA</i>	<i>1</i>		<i>175.00</i>

SUB TOTAL *8272.39*

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)

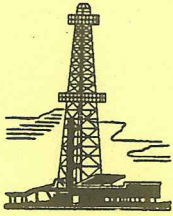
FIELD SERVICE ORDER NO.

Customer	LD DRILLING, INC		Lease No.			Date	6-8-12	
Lease	SHARP		Well #	1-36				
Field Order #	Station	Casing	Depth	County	State			
6355	PRATT, KS	5 1/2	3629	BARTON	KS			
Type Job	CNW-LOWCSTRONG		Formation	TD-3630		Legal Description	36-20-13	

PIPE DATA		PERFORATING DATA		FLUID USED		LTD 3628 TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
5 1/2							
Depth	Depth	From	To	Pre Pad	Max		5 Min.
3629							
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
3615							

Customer Representative	LD	Station Manager	SCOTT	Treater	CORSELEY
Service Units	19907	27463	70959-19918		
Driver Names	KE	KEVIN	JOE		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2030					ON LOCATION
					RUN 3619' 5 1/2" 14" CSC - 87 JK.
					GUIDE SIOE, BUSEN IN 14" SJ.
					CENT-1-2-3-5-7-9
					TAG BOTTOM BREAKER.
					SET 5 1/2" AT 3629'
2400	360		10	5	PUMP 10 bbl. H <sub>2</sub> O
	300		10	6	PUMP 35 SL. SCAVENGER
	200				CEMENT AT 13.0 PP9
			37	6	PUMP 150 SL. IAA2 CEMENT
					1 1/2% SAT, 5% CALSET, 1% FLA-32
					5" SIL CARBONATE AT 15.3 PP9.
					STOP-WASH LOW-DROP PLUG
	0		0	7	START DTSF.
	300		57	7	LIFT CEMENT
	700		80	2	SLOW RATE
0030	1500		88	2	PLUG DOWN - HELD
					PLUG RAT HOLE - 30SN 60/40 P02
0130					JOB COMPLETE - KEVIN



# Petromark Drilling

## PIPE TALLY

LTD-3628'  
TD-3630

CUSTOMER LU SHAPP DATE 6-5-12

CARRIER \_\_\_\_\_ /B.L.# \_\_\_\_\_ CUST. ORDER NO. \_\_\_\_\_

STORE LOCATION \_\_\_\_\_ P.O.# \_\_\_\_\_ LOCATION: \_\_\_\_\_

SIZE 2 1/2 WT. \_\_\_\_\_ GRADE \_\_\_\_\_ MILL \_\_\_\_\_ RANGE \_\_\_\_\_ THREAD \_\_\_\_\_

No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.			
1	14	08	26	43	19	51	38	15	76	29	25	101			126			151			176		
2	43	28	27	38	60	52	43	20	77	43	21	102			127			152			177		
3	42	15	28	43	20	53	42	41	78	39	59	103			128	37	47	183	55	-	178	90	JTS
4	43	22	29	43	22	54	40	85	79	43	15	104			129	-	44	184	35	-	179	89	OUT
5	38	14	30	42	21	55	43	23	80	41	40	105			130	-	40	185	08	-	180	85	OUT
6	42	47	31	43	20	56	43	14	81	42	85	106			131	-	43	186	19	-	181	87	OUT
7	43	21	32	43	18	57	43	13	82	37	96	107			132			187			182		
8	43	17	33	43	26	58	43	14	83	37	94	108			133	36	19	188	93	-	183	87	JTS
9	43	22	34	43	18	59	43	16	84	40	64	109			134	+ 10	189	00	-		184	45	
10	24	99	35	43	17	60	39	17	85	43	18	110			135			190			185		
11	43	17	36	43	21	61	42	82	86	43	14	111			136	36	29	191	93	-	186		
12	43	19	37	39	15	62	43	24	87	43	19	112			137			192			187		
13	43	23	38	38	35	63	43	14	88	40	08	113			138			193			188		
14	43	12	39	42	81	64	43	16	89	44	35	114			139	SET	5 1/2	194			189		
15	43	22	40	43	14	65	43	19	90	15	60	115			140			195			190		
16	43	15	41	42	93	66	43	18	91			116			141			196			191		
17	43	20	42	43	16	67	43	19	92			117			142			197			192		
18	41	43	43	43	17	68	43	14	93			118			143			198			193		
19	43	19	44	43	18	69	40	56	94			119			144			199			194		
20	42	45	45	44	01	70	43	16	95			120			145			200			195		
21	41	46	46	38	08	71	43	18	96			121			146			201			196		
22	43	20	47	42	83	72	43	20	97			122			147			202			197		
23	43	18	48	44	02	73	43	18	98			123			148			203			198		
24	39	77	49	40	64	74	42	04	99			124			149			204			199		
25	39	94	50	43	98	75	48	16	100			125			150			205			200		
Total	1079	15		1059	15		1063	15		595	53												

NO. JOINTS 90

TALLIED BY ET

FOOTAGE \_\_\_\_\_ TOTAL 3747.18 FT.

RECEIVED BY \_\_\_\_\_



# DIAMOND TESTING

## General Information Report

### General Information

<b>Company Name</b>	L.D. DRILLING, INC.	<b>Representative</b>	TIM VENTERS
<b>Contact</b>	L.D. DAVIS	<b>Well Operator</b>	L.D. DRILLING, INC.
<b>Well Name</b>	SHARP #1-36	<b>Report Date</b>	2012/06/05
<b>Unique Well ID</b>	DST #1, LANSING "A-F", 3213-3300	<b>Prepared By</b>	TIM VENTERS
<b>Surface Location</b>	SEC 36-20S-13W BARTON CO. KS.	<b>Qualified By</b>	KIM SHOEMAKER
<b>Field</b>	ROLLING GREEN EAST		
<b>Well Type</b>	Vertical		
<b>Test Type</b>	CONVENTIONAL		
<b>Formation</b>	DST #1, LANSING "A-F", 3213-3300		
<b>Well Fluid Type</b>	01 Oil		
<b>Start Test Date</b>	2012/06/05	<b>Start Test Time</b>	01:35:00
<b>Final Test Date</b>	2012/06/05	<b>Final Test Time</b>	08:58:00

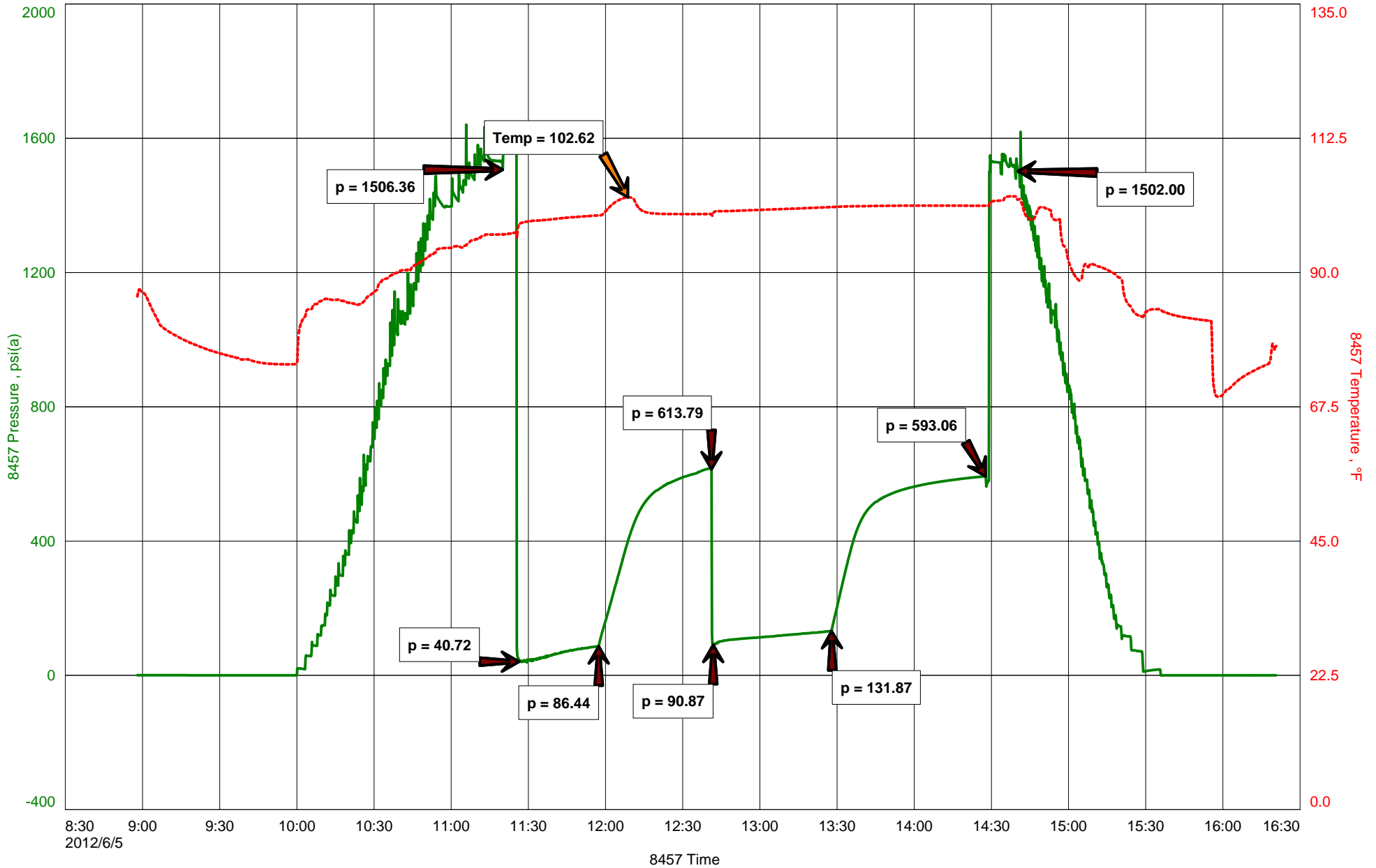
### Test Recovery:

RECOVERED: 2875' GAS IN PIPE  
60' G,VSOCM, 4% GAS, 3% OIL, 93% MUD  
130' G,O&WCM, 14% GAS, 18% OIL, 28% WATER, 40% MUD  
120' G,O&MCW, 25% GAS, 23% OIL, 36% WATER, 16% MUD  
310' TOTAL FLUID

TOOL SAMPLE: GAS BLEW OUT

CHLORIDES: 49,000 ppm  
PH: 6.5  
RW: .15 @ 80 deg.

# SHARP #1-36





**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.

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.

# DIAMOND TESTING

## General Information Report

### General Information

<b>Company Name</b>	L.D. DRILLING, INC.	<b>Representative</b>	TIM VENTERS
<b>Contact</b>	L.D. DAVIS	<b>Well Operator</b>	L.D. DRILLING, INC.
<b>Well Name</b>	SHARP #1-36	<b>Report Date</b>	2012/06/05
<b>Unique Well ID</b>	DST #2, LKC "H-I", 3347-3380	<b>Prepared By</b>	TIM VENTERS
<b>Surface Location</b>	SEC 36-20S-13W, BARTON, CO. KS.	<b>Qualified By</b>	KIM SHOEMAKER
<b>Field</b>	ROLLING GREEN EAST		
<b>Well Type</b>	Vertical		
<b>Test Type</b>	CONVENTIONAL		
<b>Formation</b>	DST #2, LKC "H-I", 3347-3380		
<b>Well Fluid Type</b>	01 Oil		
<b>Start Test Date</b>	2012/06/05	<b>Start Test Time</b>	16:32:00
<b>Final Test Date</b>	2012/06/05	<b>Final Test Time</b>	23:12:00

### Test Recovery:

RECOVERED: 20' VSOCM, 4% OIL, 96% MUD  
60' MCW W/TR. OIL, TRACE OIL, 75% WATER, 25% MUD  
80' TOTAL FLUID

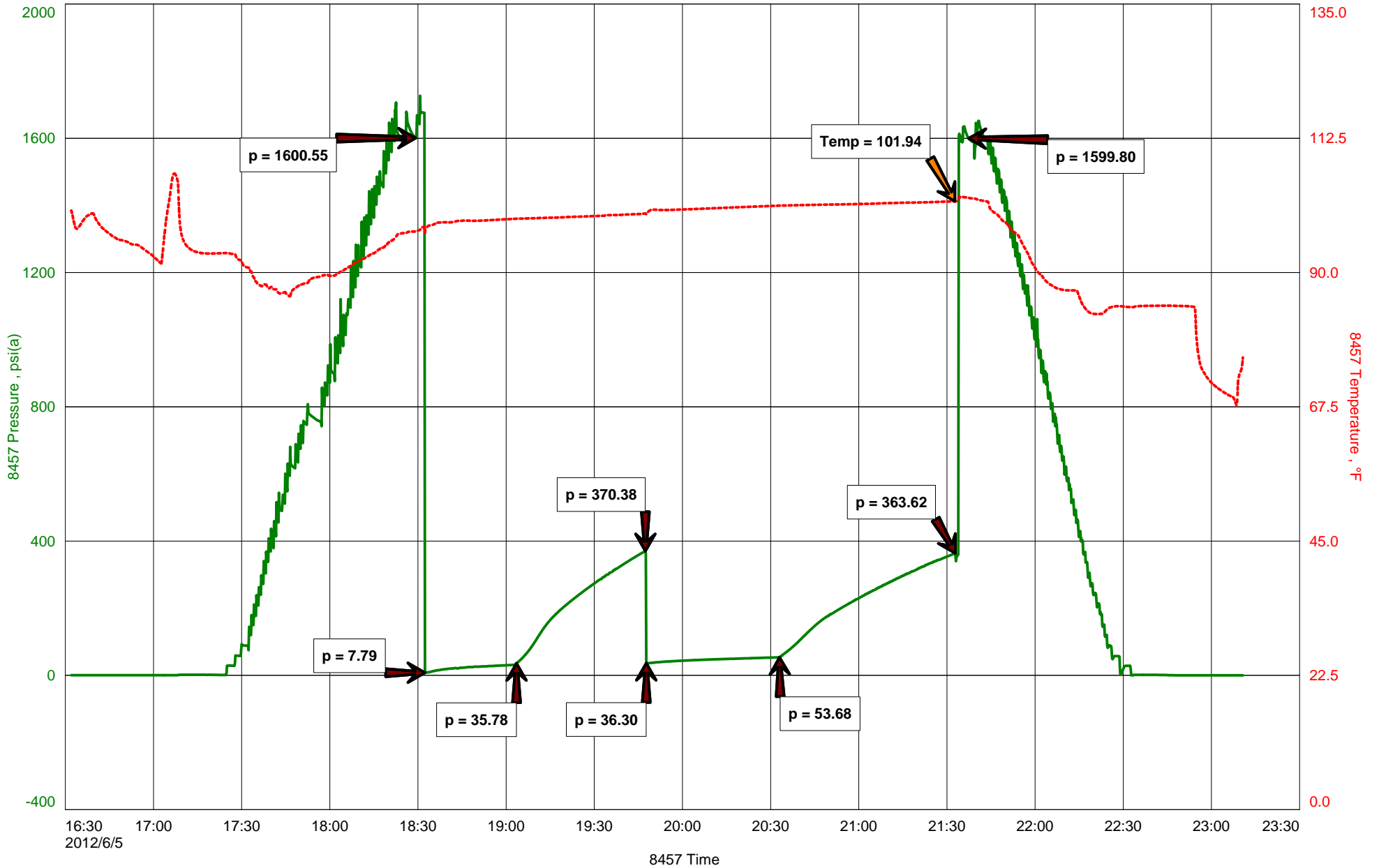
TOOL SAMPLE: TRACE OIL, 98% WATER, 2% MUD

CHLORIDES: 32,000 ppm  
PH: 7.0  
RW: .18 @ 82 deg.

L.D. DRILLING, INC.  
DST #2, LKC "H-I", 3347-3380  
Start Test Date: 2012/06/05  
Final Test Date: 2012/06/05

SHARP #1-36  
Formation: DST #2, LKC "H-I", 3347-3380  
Pool: ROLLING GREEN EAST  
Job Number: T064

# SHARP #1-36





**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.

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.

# DIAMOND TESTING

## General Information Report

### General Information

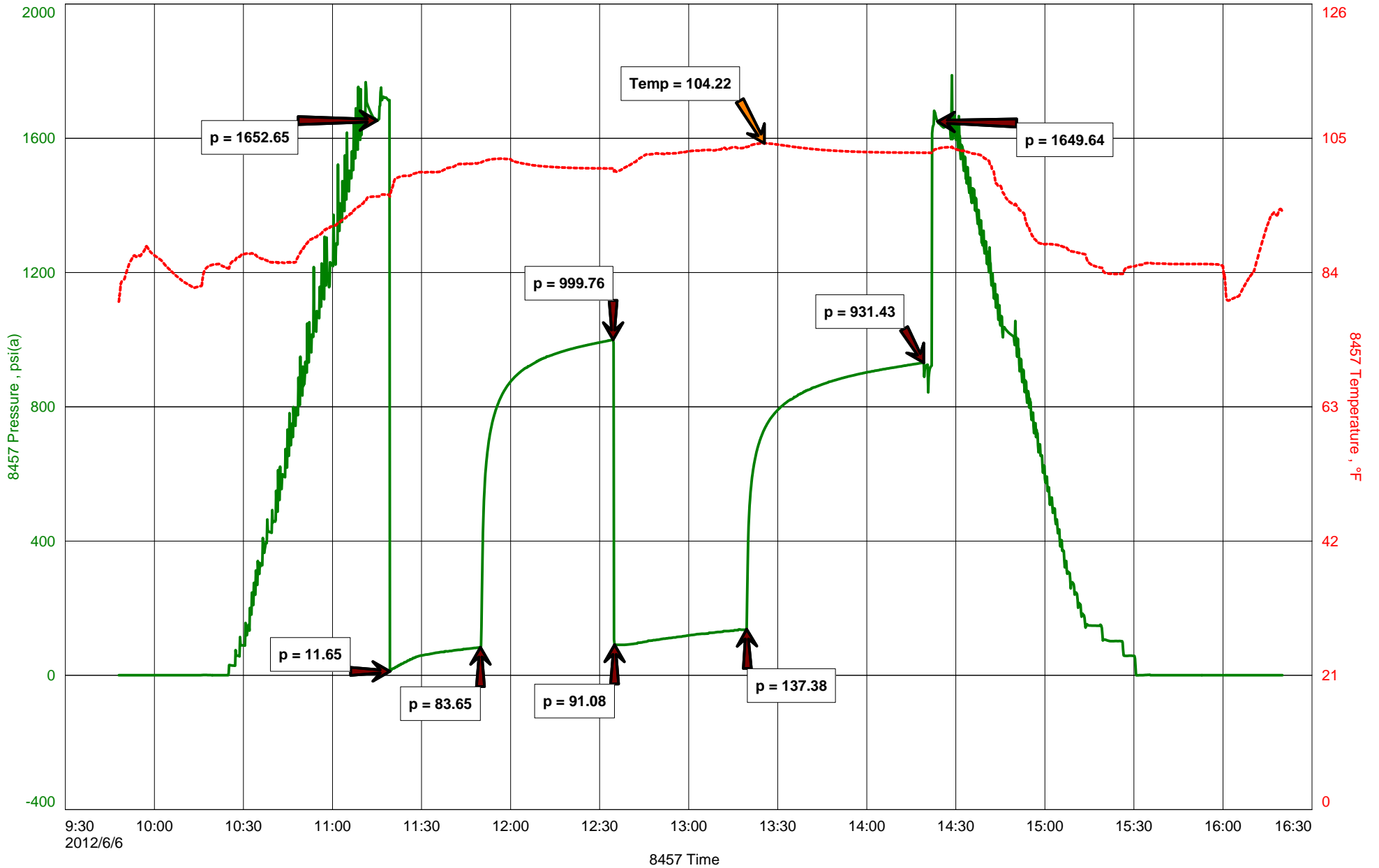
<b>Company Name</b>	L.D. DRILLING, INC.	<b>Representative</b>	TIM VENTERS
<b>Contact</b>	L.D. DAVIS	<b>Well Operator</b>	L.D. DRILLING, INC.
<b>Well Name</b>	SHARP #1-36	<b>Report Date</b>	2012/06/06
<b>Unique Well ID</b>	DST #3, ARBUCKLE, 3443-3495	<b>Prepared By</b>	TIM VENTERS
<b>Surface Location</b>	SEC 36-20S-13W, BARTON CO. KS.	<b>Qualified By</b>	KIM SHOEMAKER
<b>Field</b>	ROLLING GREEN EAST		
<b>Well Type</b>	Vertical		
<b>Test Type</b>	CONVENTIONAL		
<b>Formation</b>	DST #3, ARBUCKLE, 3443-3495		
<b>Well Fluid Type</b>	01 Oil		
<b>Start Test Date</b>	2012/06/06	<b>Start Test Time</b>	09:48:00
<b>Final Test Date</b>	2012/06/06	<b>Final Test Time</b>	16:21:00

### Test Recovery:

RECOVERED: 285' GAS IN PIPE  
145' GO, 12% GAS, 88% OIL, OIL GRAVITY: 40  
15' G,SMCO, 18% GAS, 75% OIL, 7% MUD  
180' G,OCM, 16% GAS, 27% OIL, 57% MUD  
340' TOTAL FLUID

TOOL SAMPLE: 3% GAS, 51% OIL, 46% MUD

# SHARP #1-36







**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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# DIAMOND TESTING

## General Information Report

### General Information

<b>Company Name</b>	L.D. DRILLING, INC.	<b>Representative</b>	TIM VENTERS
<b>Contact</b>	L.D. DAVIS	<b>Well Operator</b>	L.D. DRILLING, INC.
<b>Well Name</b>	SHARP #1-36	<b>Report Date</b>	2012/06/07
<b>Unique Well ID</b>	DST #4, ARBUCKLE, 3492-3516	<b>Prepared By</b>	TIM VENTERS
<b>Surface Location</b>	SEC 36-20S-13W, BARTON CO. KS.	<b>Qualified By</b>	KIM SHOEMAKER
<b>Field</b>	ROLLING GREEN EAST		
<b>Well Type</b>	Vertical		
<b>Test Type</b>	CONVENTIONAL		
<b>Formation</b>	DST #4, ARBUCKLE, 3492-3516		
<b>Well Fluid Type</b>	01 Oil		
<b>Start Test Date</b>	2012/06/06	<b>Start Test Time</b>	21:28:00
<b>Final Test Date</b>	2012/06/07	<b>Final Test Time</b>	05:02:00

### Test Recovery:

RECOVERED: 360' GAS IN PIPE  
335' GO, 2% GAS, 98% OIL, OIL GRAVITY: 39  
120' G,SW,O&M, 15% GAS, 40% OIL, 5% WATER, 40% MUD  
455' TOTAL FLUID

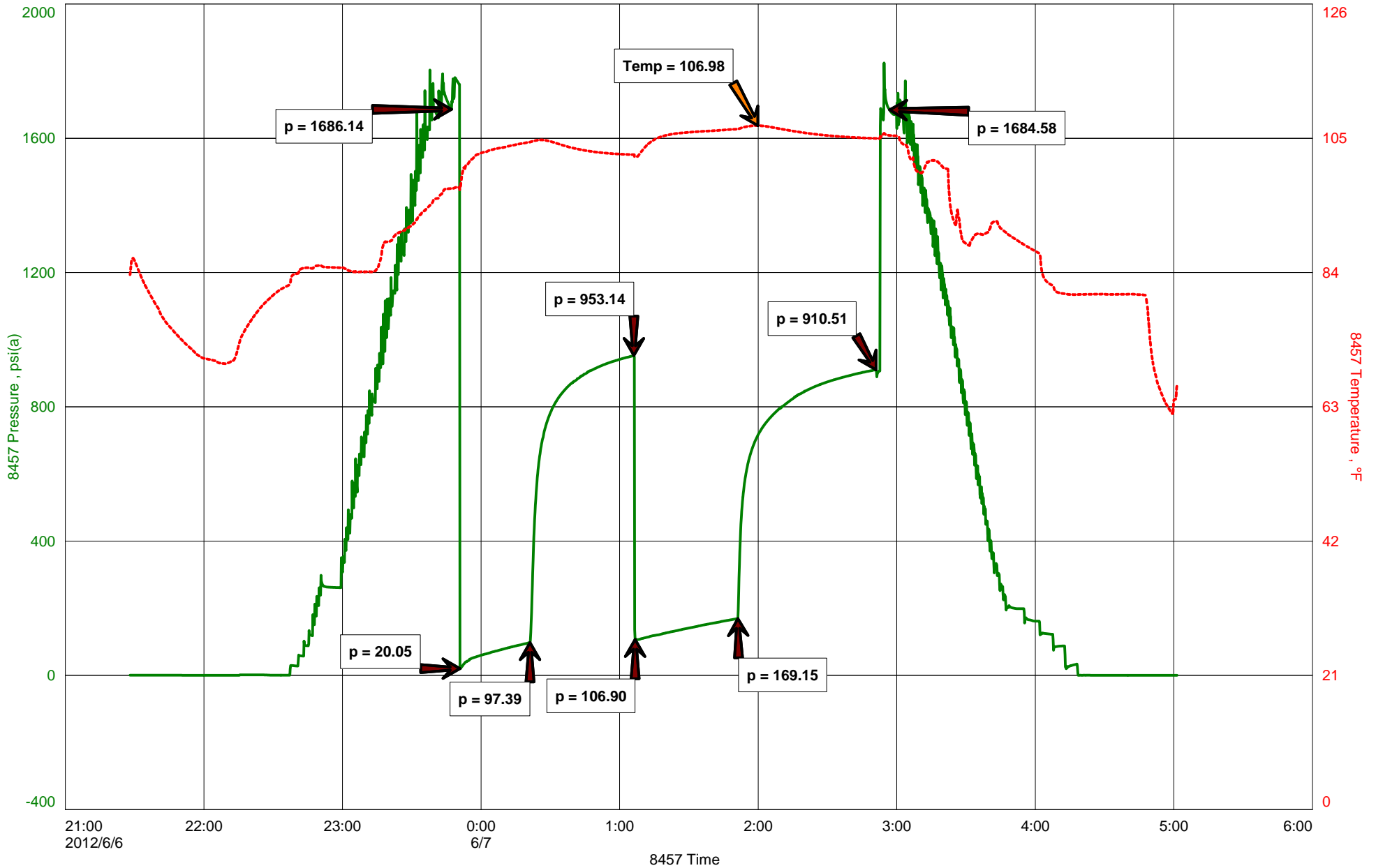
TOOL SAMPLE: 3% GAS, 97% OIL

CHLORIDES: 13,000 ppm  
PH: 7.0  
RW: .48 @ 73 deg.

L.D. DRILLING, INC.  
DST #4, ARBUCKLE, 3492-3516  
Start Test Date: 2012/06/06  
Final Test Date: 2012/06/07

SHARP #1-36  
Formation: DST #4, ARBUCKLE, 3492-3516  
Pool: ROLLING GREEN EAST  
Job Number: T066

# SHARP #1-36





**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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# KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 \* WICHITA, KS

## GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.

LEASE \* 1-36 SHARP

FIELD ROLLING GREEN EAST

LOCATION NENE SE 2310 FSL & 330 FEL

SEC 36 TWP 20 RGE 13W

COUNTY BARTON STATE KANSAS

CONTRACTOR PETROMARK DRILLING R16 2

SPUD 6-1-12 COMP. 6-8-12

RTD. 3630 LTD. 3628

MUD UP 2792 TYPE MUD CHEMICAL

### ELEVATIONS

KB 1860

DF \_\_\_\_\_

GL 1855

Measurements Are All From 1860 KB

CASING SURFACE 8 5/8" @ 375'  
PRODUCTION 5 1/2" @

ELECTRICAL SURVEYS  
DUAL IND., DENS., N., MICRO

SAMPLES SAVED FROM 2900 TO 3630

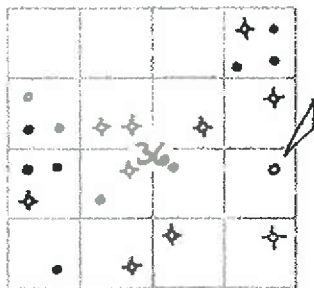
DRILLING TIME KEPT FROM 2700 TO 3630

SAMPLES EXAMINED FROM 2900 TO 3630

GEOLOGICAL SUPERVISION FROM 3200 TO 3630

GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	677+1181	679+1181
HEEBNER	3084-1221	3088-1228
BROWN LINE	3207-1347	3209-1349
LANSING	3220-1340	3224-1364
B/KC	3433-1573	3435-1575
ARBUCKLE ?	3484-1624	3477-1617



### REMARKS

6-1-12 SPUD  
6-2 @ 320'  
6-3 @ 1854'  
6-4 @ 2825'  
6-5 @ 3300'  
6-6 @ 3484'  
6-7 @ 3516'  
6-8 @ 3630'

API: 15-009-25682

### LEGEND

- Anhydrite
- Salt
- Sandstone
- Shale
- Carb sh
- Limestone
- Gcl. Lime
- Chert
- Dolomite

SHOEG1-08

DRILLING TIME IN MINUTES  
PER FOOT

Rate of Penetration Indications



LITHOLOGY

SAMPLE DESCRIPTIONS

REMARKS

2700

HOWARD 2729 - 279

2800

TOPEKA 2818 - 958

2900

3000

Samples are lagged

Sh. dk. G. blk.

44 G. Sl. Foss.

41. To G. Sl. Foss.

Sh. G.

43. To wt. Sl. Foss. Sl. Chly.

MS 48

WT: 8.8

Vol: 210

CW: 5000

45. wt. Sl. Foss. Sl. Chly.

Sh. G. G.

46. Sl. G. DN.

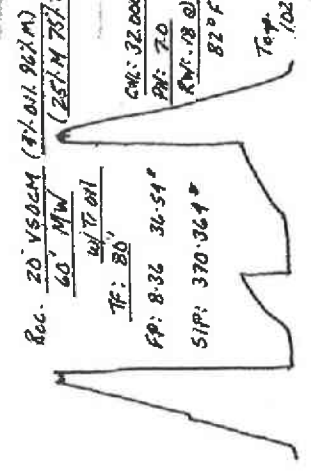
Sh. Blk. Gade.

47. To wt. Sl. Foss. Sl. Chly.

48. To wt. Sl. Foss. Sl. Chly.

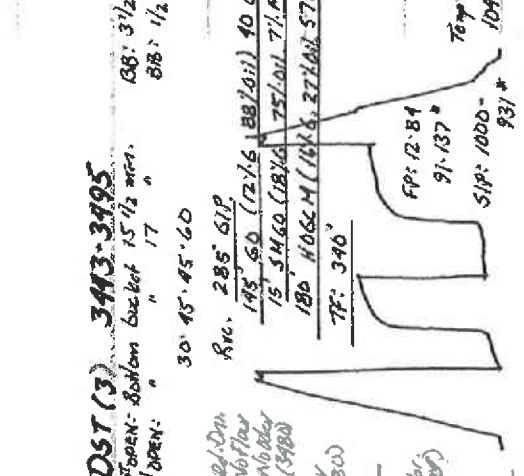
49. wt. Sl. Chly.





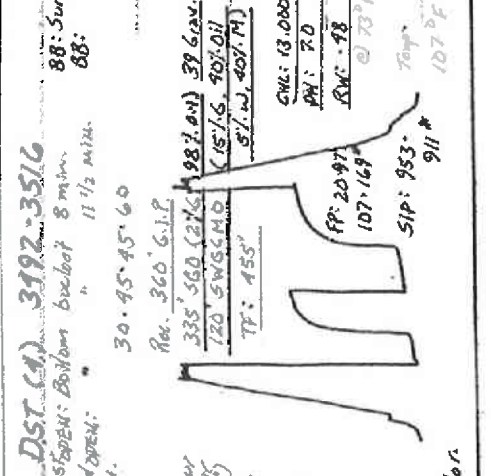
15. Tg. Div.  
 16. wk. School. Foss. Sh. P. Y. G.  
 17. Bl. Sp. St. To Po. P. Fl. (10000)  
 18. Tg. (3380 80)  
 19. Tg. G.  
 20. W. Bl. G. ool. ool. Si. Chky.  
 21. G. G.  
 22. G. G.  
 23. Tg. Si. Chky.

B/KC 3435-1575



24. Rd. Sed. 6N.  
 25. Bl. Soil. Dry.  
 26. Tg. G. Sh. To Po. P. Fl. (10000)  
 27. Bl. Sp. St. To Po. P. Fl. (10000)  
 28. Tg. (3380 80)  
 29. Tg. G.  
 30. W. Bl. G. ool. ool. Si. Chky.  
 31. G. G.  
 32. Tg. Si. Chky.

ARBUCKLE 3477-1617



33. Tg. G.  
 34. Tg. G.  
 35. Tg. G.  
 36. Tg. G.  
 37. Tg. G.  
 38. Tg. G.  
 39. Tg. G.  
 40. Tg. G.  
 41. Tg. G.  
 42. Tg. G.  
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 98. Tg. G.  
 99. Tg. G.  
 100. Tg. G.

RTD 3630-1770  
 VIS: 53 WT: 92  
 WC: 96 CMC: 15000

