



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: _____



1062124

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	HOELSCHER 2-1
Doc ID	1062124

All Electric Logs Run

BOREHOLE COMPENSATED SONIC LOG
DUAL COMPENSATED POROSITY LOG
DUAL INDUCTION LOG
MICRORESISTIVITY LOG

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	HOELSCHER 2-1
Doc ID	1062124

Tops

Name	Top	Datum
ANHYDRITE	958	+1024
TOPEKA	2968	-986
HEEBNER	3209	-1227
TORONTO	3223	-1241
DOUGLAS	3238	-1256
BROWN LIME	3286	-1304
LANSING	3294	-1312
BASE KANSAS CITY	3516	-1534
ARBUCKLE	3578	-1596



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 04410 A

DATE _____ TICKET NO. _____

DATE OF JOB: 6-28-11		DISTRICT: KANSAS		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: L.O. Drilling, Inc.				LEASE: Hoelscher				WELL NO. 2-1		
ADDRESS:				COUNTY: Barton 1-19-1		STATE: KS				
CITY:				STATE:		SERVICE CREW: Allen, Brad, Dale				
AUTHORIZED BY:				JOB TYPE: 8 3/4" surface cnuw						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
78443	1 1/2						6-28-11			800
9889-19842	1 1/2					ARRIVED AT JOB	6-28-11			1000
19960-19918	1 1/2					START OPERATION	6-28-11			1130
						FINISH OPERATION	6-28-11			100
						RELEASED	6-28-11			200
						MILES FROM STATION TO WELL		60-mile		

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
CP101	A-CON Blend Cement	SK	200		\$ 3600.00
CP100	Cement	SK	200		\$ 3200.00
CC102	CC11 FLAKE	lb	100		\$ 370.00
CC109	Calcium Chloride	lb	1128		\$ 1184.40
CC200	Cement Gel	lb	376		\$ 94.00
CF105	Top Rubber cement Plug 6 5/8"	EA	1		\$ 225.00
E100	Unit mileage charge pickup	mi	60		\$ 255.00
E101	Heavy Equip mileage	mi	120		\$ 840.00
E113	Bulk mileage charge	Tm	1128		\$ 1804.00
CF201	Depth Charge 301-1000'	4-bc	1		\$ 1200.00
CF200	Blending & mixing Service chg.	SK	400		\$ 560.00
CF504	Plug container utilization chg.	Job	1		\$ 250.00
S003	Service Supervisor first 8 hrs chg	EA	1		\$ 175.00

SUB TOTAL ~~11,086.98~~

CHEMICAL / ACID DATA:			

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

TOTAL 10,868.98

SERVICE REPRESENTATIVE: Allen F. Worth	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Scott P. Reed
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)	

FIELD SERVICE ORDER NO.

Customer L.A. Drilling Inc	Lease No.	Date 6-28-11
Lease Huelscher	Well # #2-1	
Field Order # 04410	Station Pratt Ks	Casing 8 5/8"
Type Job 8 5/8" SURFACE	Depth 956'	County Barton
	Formation 956 TO	State Ks
		Legal Description 1-14-15

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 8 5/8"	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth 956'	Depth	From	To	Pre Pad	Max		5 Min.
Volume 39 1/2	Volume	From	To	Pad	Min		10 Min.
Max Press 500#	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 936'	Packer Depth	From	To	Flush Disp. H 20	Gas Volume		Total Load

Customer Representative: Jim Station Manager: SCOTTY Treater: Allen

Service Units	28443	19889	19892	19960	19918
Driver Names	Allen	Brad	Mitchell	Dale	Phye

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:00 AM					DTS CASING CROW
10:15					ON LOC. DISCOVER Safety, setup, Plan Job
10:28					Pulling Drill Pipe
11:30					OUT OF HOLE WITH BIT
					READY TO RUN 8 5/8" CAS 29#
					START 8 5/8" CASING
					CASING @ 956' HOOKUP + CIR.
					GOOD CIR. w/ Rig pump.
	200#			12#	Start mix 200SKS A-COR @ 12#
				15 1/2#	START MIX 200SKS COMMON w/
					2% gel, 3% CC, 1/4# C.F @ 15#
					FINISH MIX
					DROP 8 5/8" TOP RUBBER PLUG.
12:30				5	START DISP.
12:45	300#		59 1/2	3	PLUG DOWN
					SHUT IN @ WELL
	0#				RELEASE PST
					KNOCK LOOSE & WASH UP EQUIP.
					BACK UP.
2:00					JOB COMPLETE.
					CIRC. CEMENT TO PST.
					THANKS ALLEN, BRAD, DALE.



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 04328 A

DATE _____ TICKET NO. _____

DATE OF JOB 7/5/11	DISTRICT Pratt, Ks	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 LIS DRILLING		LEASE HOESCHLER					WELL NO. 2-1		
ADDRESS		COUNTY Barton			STATE Ks.				
CITY		STATE		SERVICE CREW K.G. MESSERK, TERRAD					
AUTHORIZED BY		JOB TYPE: CIVIL - CONCRETE							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
1770		17831	1			ARRIVED AT JOB	7-4	AM	1800
		21010				START OPERATION	7-4	AM	2000
19903	1					FINISH OPERATION	7-5	AM	2345
19905						RELEASED	7-5	AM	0100
						MILES FROM STATION TO WELL	70		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

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

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP103	60/40 P&Z	SK	150	12.00	1800.00
CP103	60/40 P&Z	SK	30	12.00	360.00
CC102	CONCRETE	Lb.	38	3.71	140.78
CC105	DEBRIS	Lb.	33	4.12	137.16
CC111	SAND	Lb.	1333	0.50	666.50
CC112	CEMENT	Lb.	97	5.99	582.03
CC201	CONCRETE	Lb.	750	0.40	302.50
CC151	MUD PUMP	gal	1000	0.81	810.00
E160	PELLET MUD PUMP	mile	1.00	255.00	255.00
E101	TRUCK MUD PUMP	mile	1.20	700.00	840.00
E113	BULK DEBRIS	Ton	465	1.60	744.00
CE204	5/8" DIA. P&Z	EA	1	2160.00	2160.00
CE240	3/4" DIA. P&Z	SK	180	1.52	273.60
CE304	PUMP CONTAINER	EA	1	250.00	250.00
DO03	SUPPLIER SUPERVISOR	EA	1	175.00	175.00
CE103	5/8" TOP RUBBER PLUG	EA	1	105.00	105.00
CE251	5/8" CURVE SHOE	EA	1	250.00	250.00
CE1451	5/8" API INSERT PROTT	EA	1	215.00	215.00
CE1651	5/8" TURBOLET	EA	6	110.00	660.00

SUB TOTAL
DLS 8650.18

CHEMICAL / ACID DATA:			

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

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

FIELD SERVICE ORDER NO.



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 04424 A

DATE _____ TICKET NO. _____

DATE OF JOB 7-18-11 DISTRICT KANSAS		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 L.D. Drilling INC		LEASE Hoelscher		WELL NO. 2-1					
ADDRESS		COUNTY Barton		STATE KANSAS					
CITY STATE		SERVICE CREW Allen, Lucas							
AUTHORIZED BY		JOB TYPE: Squeezed Perforation cnw							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
28443 P.U.	3					ARRIVED AT JOB	7-18-11	AM	200
27462 Pt.	3					START OPERATION	7-18-11	AM	5:00
19959-19860	3					FINISH OPERATION	7-18-11	AM	8:00
						RELEASED	7-18-11	AM	8:30
						MILES FROM STATION TO WELL	60 miles		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

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

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP100	Common	BT	25	\$ 400	\$ 10,000.00
CP100	Common	BT	50	\$ 800	\$ 40,000.00
CC105	C-41 P	lb	6	\$ 24	\$ 144.00
CC112	Cement Fracturing Reducer	lb	12	\$ 72	\$ 864.00
CC129	F/A-322	lb	12	\$ 90	\$ 1,080.00
F100	Unit mileage charge	mi	60	\$ 225	\$ 13,500.00
E101	Heavy haul mileage	mi	130	\$ 840	\$ 109,200.00
F113	Bulk Delivery charge	Ton	213	\$ 340	\$ 72,840.00
CE 204	Depth Charge	hr	1	\$ 2160	\$ 2,160.00
CE 240	Blowdown permit service chg.	SK	25	\$ 105	\$ 2,625.00
500	Service supervisor first 8 hrs on call	EA	1	\$ 175	\$ 175.00
SUB TOTAL					4262.00

CHEMICAL / ACID DATA:			

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

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

Customer <i>L.D. Drilling INC.</i>	Lease No.	Date <i>7-18-11</i>
Lease <i>Noelscher</i>	Well # <i>2-1</i>	
Field Order # <i>04424 A</i>	Station <i>Pratt</i>	Casing <i>5 1/2"</i>
		Depth
Type Job <i>Square Perfs</i>	Formation <i>TD 3672</i>	County <i>Barton</i>
		State <i>KS</i>
		Legal Description <i>1-19-15</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size <i>5 1/2"</i>	Tubing Size <i>2 1/8"</i>	Shots/Ft		Acid <i>25 SKs com. w/ .25% Dof</i>	RATE	PRESS	ISIP
Depth	Depth	From <i>3582</i>	To <i>3588</i>	Pre Pad <i>+ .5% F/A-322</i>	Max <i>@ 15.4 BPM</i>		5 Min.
Volume	Volume	From <i>3594</i>	To <i>3606</i>	Pad <i>25 SKs com. neat</i>	Min		10 Min.
Max Press	Max Press	From <i>3609</i>	To <i>3612</i>	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush <i>Saltwater</i>	Gas Volume		Total Load

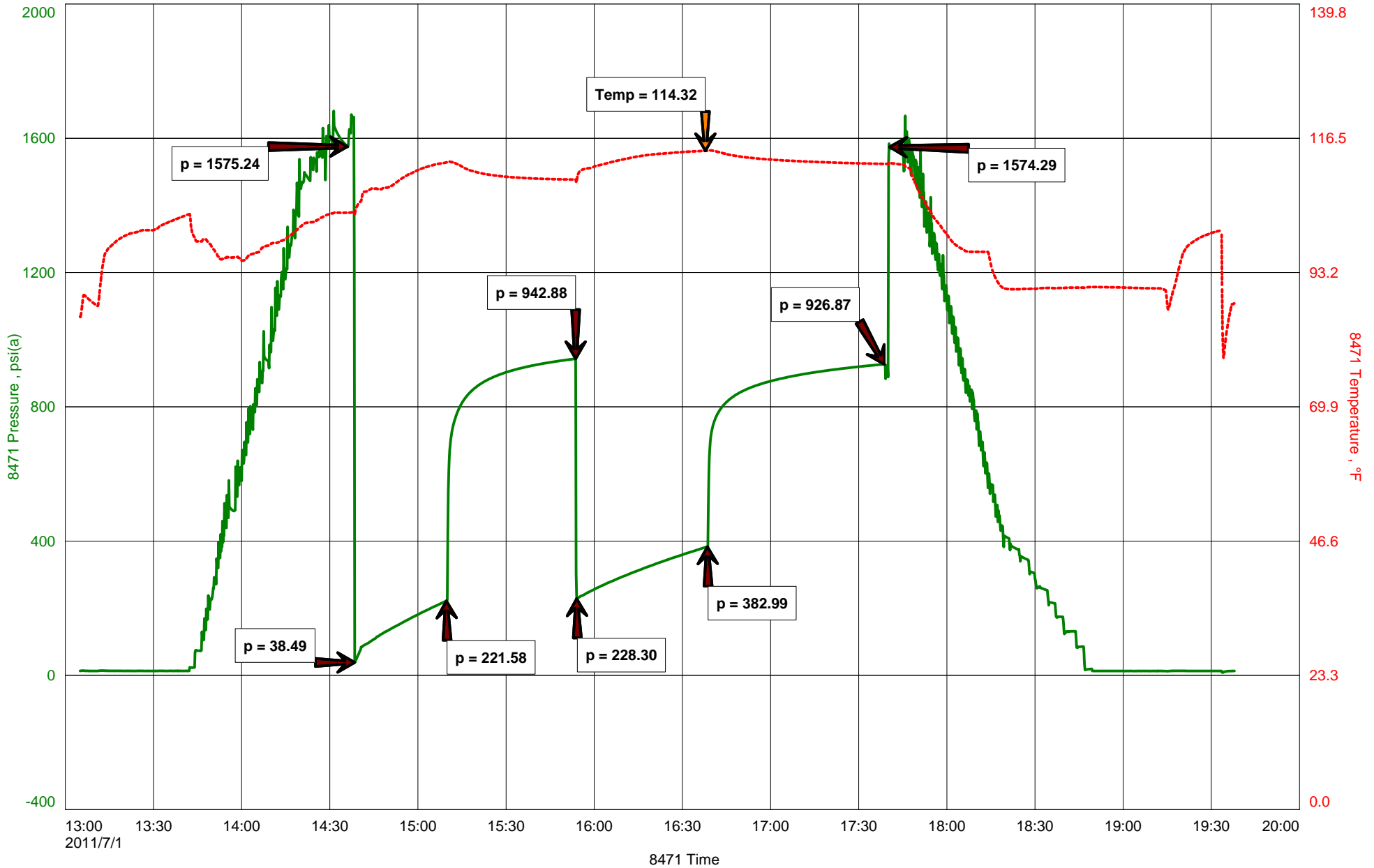
Customer Representative <i>JAKE</i>	Station Manager <i>SCOTT</i>	Treater <i>ALLEN</i>
Service Units <i>28443 27463 19967 19810 19907</i>		
Driver Names <i>Allen Lucas Mike Lawrence Kevin</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>2:30 pm</i>					<i>xtreme well ser.</i>
<i>4:08</i>					<i>onloc discuss safety, Setup Plan Job</i>
<i>5:15</i>	<i>500#</i>				<i>Rig Pull 2 7/8 Tbg. To Run 5 1/2" Packer</i>
<i>5:30</i>		<i>500#</i>			<i>Start PKR IN Hole</i>
					<i>PKR @ 3482 To sq. PSI on ANN</i>
					<i>take in Rate 1 1/4 BPM @ 500#</i>
					<i>Mix 25 SKs common w/ .25% Dof</i>
					<i>foamer .5% C.F.R. 1.5% F/A-322 @ 15.4#</i>
					<i>1 1/2 mix 50 SKs neat</i>
<i>5:45</i>					<i>Finish mix, go into Disp.</i>
<i>6:00</i>		<i>200#</i>			<i>17 BBL out stage</i>
<i>6:05</i>		<i>1250#</i>	<i>18</i>		<i>18 BBL out stage</i>
<i>6:15</i>		<i>1400</i>	<i>18 1/2</i>		<i>18 BBL out stage</i>
<i>6:20</i>			<i>19</i>		<i>19 BBL out stage</i>
<i>6:30</i>			<i>19 1/4</i>		<i>19 1/4 BBL out stage</i>
<i>6:55</i>		<i>2200</i>	<i>20</i>		<i>20 BBL out - Release comes Back.</i>
<i>7:00</i>		<i>2300</i>	<i>20</i>		<i>20 BBL out Release comes Back.</i>
<i>7:05</i>		<i>2500</i>	<i>20</i>		<i>Rep SI - 2500# washup Equip.</i>
<i>7:20</i>		<i>1700</i>			<i>PSI on sq. Release Dry.</i>
<i>7:30</i>	<i>450</i>		<i>25</i>	<i>3</i>	<i>Rev out 25 BBL clean</i>
<i>8:30</i>					<i>wash & IT down cmt HARD CIR</i>
					<i>clean- 12 BBLs oil TOP IT</i>

L.D. DRILLING, INC.
DST #1 LKC 'A-F' 3,293' - 3,365'
Start Test Date: 2011/07/01
Final Test Date: 2011/07/01

HOELSCHER #2-1
Formation: DST #1 LKC 'A-F' 3,293' - 3,365'
Pool: WILDCAT

HOELSCHER #2-1



DIAMOND TESTING

General Information Report

General Information

Company Name L.D. DRILLING, INC.
Contact L.D. DAVIS
Well Name HOELSCHER #2-1
Unique Well ID DST #1 LKC 'A-F' 3,293' - 3,365'
Surface Location SEC 1-19S-15W BARTON COUNTY, KS
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL DRIL-STEM TEST
Formation DST #1 LKC 'A-F' 3,293' - 3,365'
Well Fluid Type 01 Oil

Representative ROGER D. FRIEDLY
Well Operator L.D. DRILLING, INC.
Report Date 2011/07/01
Prepared By ROGER D. FRIEDLY
Qualified By JOSH AUSTIN

Start Test Date 2011/07/01
Final Test Date 2011/07/01

Start Test Time 13:05:00
Final Test Time 19:38:00

Test Recovery:

RECOVERED: 77' SLTOCMW 1% OIL, 54% WTR, 45% MUD
62' MW 71% WTR, 29% MUD
617' SW 100% WTR
756' TOTAL FLUID

TOOL SAMPLE: 9% GAS, 2% OIL, 62% WTR, 27% MUD

CHLORIDES: 75,000 Ppm
PH: 7.0
RW: .08 @ 99 deg.



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

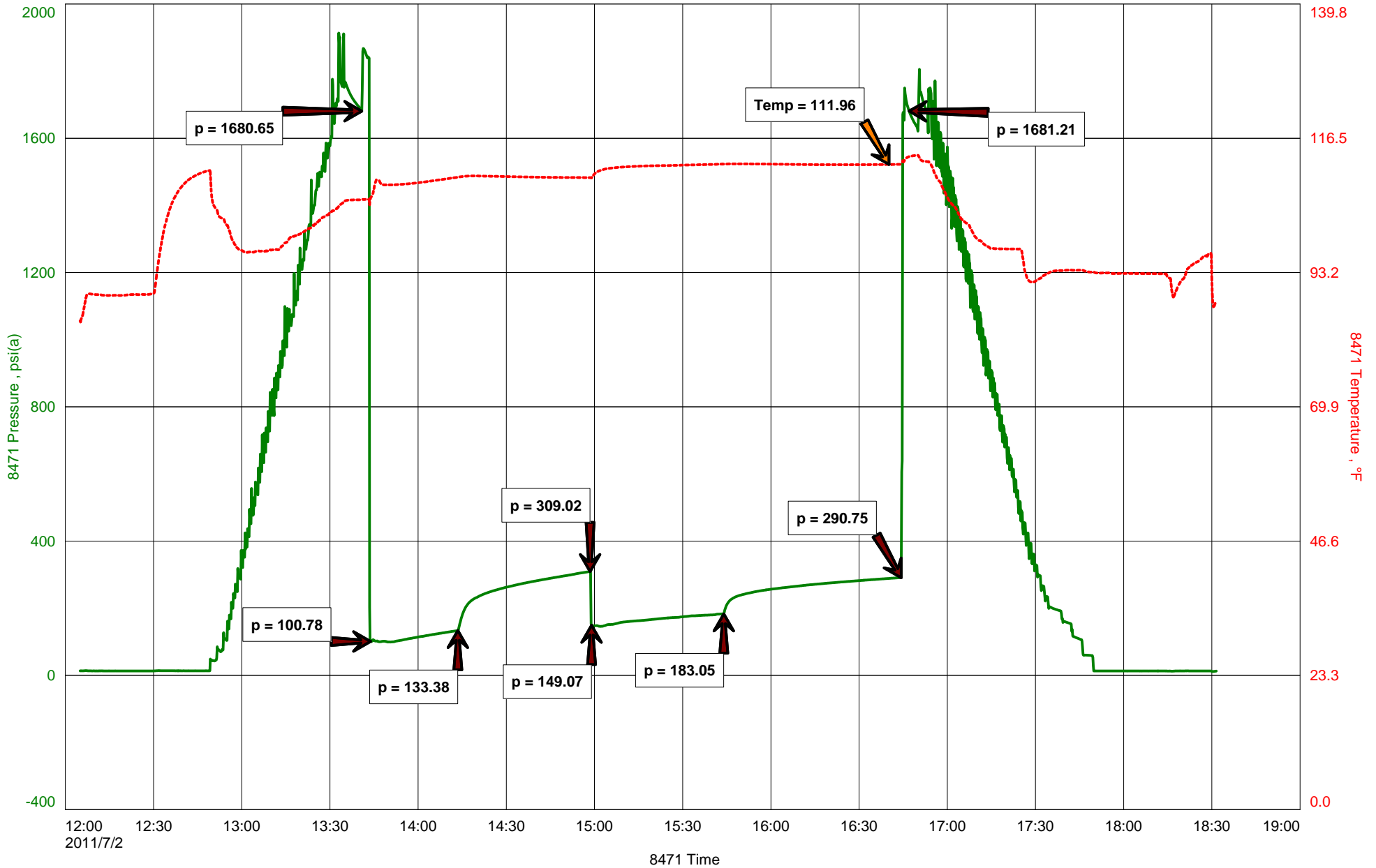
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... 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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L.D. DRILLING, INC.
DST #2 ARBUCKLE 3,516' - 3,593'
Start Test Date: 2011/07/02
Final Test Date: 2011/07/02

HOELSCHER #2-1
Formation: DST #2 ARBUCKLE 3,516' - 3,593'
Pool: WILDCAT

HOELSCHER #2-1



DIAMOND TESTING

General Information Report

General Information

Company Name	L.D. DRILLING, INC.	Representative	ROGER D. FRIEDLY
Contact	L.D. DAVIS	Well Operator	L.D. DRILLING, INC.
Well Name	HOELSCHER #2-1	Report Date	2011/07/02
Unique Well ID	DST #2 ARBUCKLE 3,516' - 3,593'	Prepared By	ROGER D. FRIEDLY
Surface Location	SEC 1-19S-15W BARTON COUNTY, KS	Qualified By	JOSH AUSTIN
Field	WILDCAT		
Well Type	Vertical		
Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #2 ARBUCKLE 3,516' - 3,593'		
Well Fluid Type	01 Oil		
Start Test Date	2011/07/02	Start Test Time	12:05:00
Final Test Date	2011/07/02	Final Test Time	18:31:00

Test Recovery:

RECOVERED: 1,074' GAS IN PIPE
50' CLEAN OIL 37.5 GRAVITY @ 60 deg.
10' SLTW&GCMO 10% GAS, 87% OIL, 1% WTR, 2% MUD
373' SLTW&GCMO 8% GAS, 80% OIL, 1% WTR, 11% MUD
433' TOTAL FLUID

TOOL SAMPLE: 5% GAS, 94% OIL, 1% MUD



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

TIME ON: _____
TIME OFF: _____

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

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

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

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

Blow: 1st Open: _____
2nd Open: _____

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

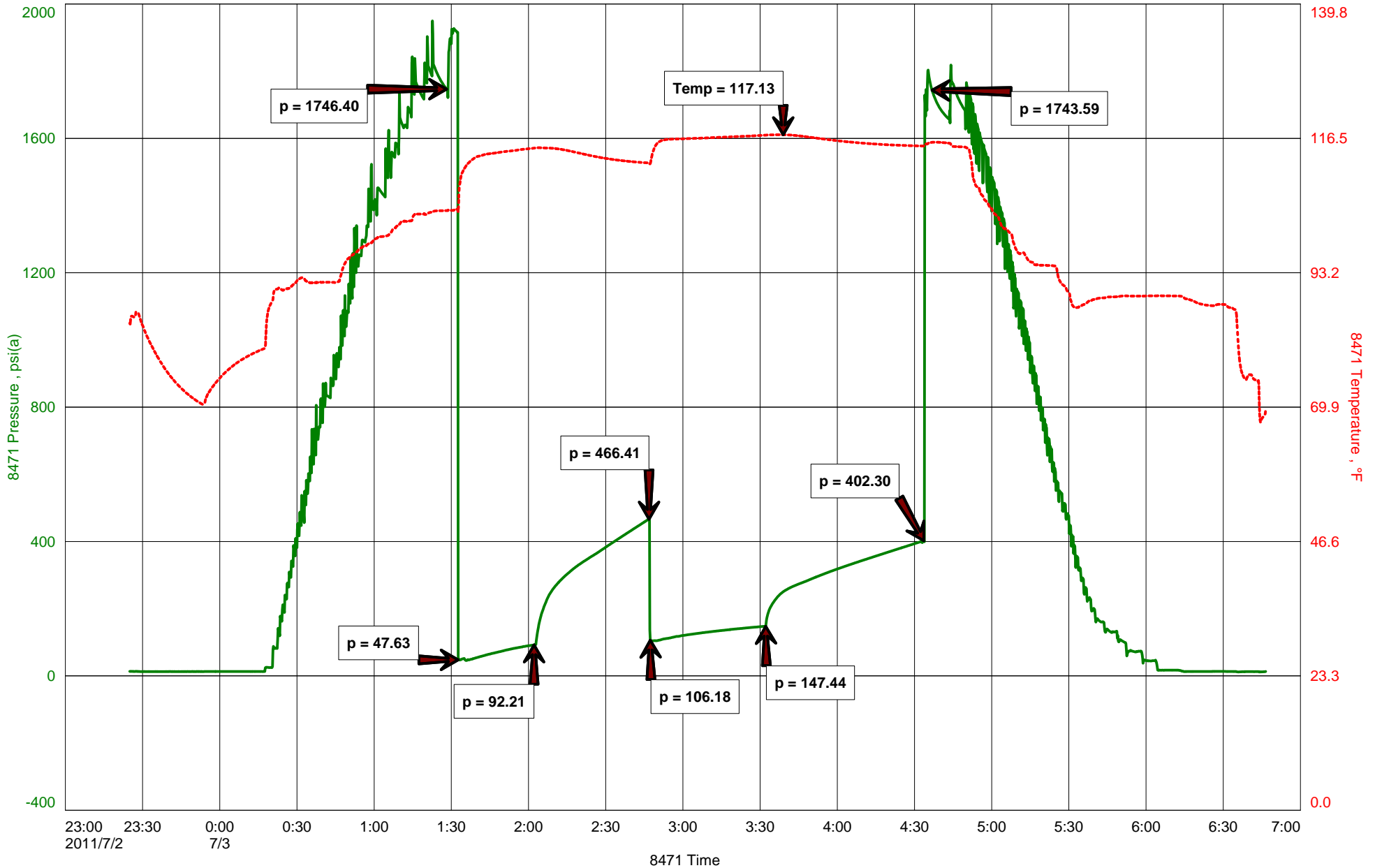
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period.....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

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L.D. DRILLING, INC.
DST #3 ARBUCKLE 3,593' - 3,601'
Start Test Date: 2011/07/02
Final Test Date: 2011/07/03

HOELSCHER #2-1
Formation: DST #3 ARBUCKLE 3,593' - 3,601'
Pool: WILDCAT

HOELSCHER #2-1



DIAMOND TESTING

General Information Report

General Information

Company Name	L.D. DRILLING, INC.	Representative	ROGER D. FRIEDLY
Contact	L.D. DAVIS	Well Operator	L.D. DRILLING, INC.
Well Name	HOELSCHER #2-1	Report Date	2011/07/03
Unique Well ID	DST #3 ARBUCKLE 3,593' - 3,601'	Prepared By	ROGER D. FRIEDLY
Surface Location	SEC 1-19S-15W BARTON COUNTY, KS	Qualified By	JOSH AUSTIN
Field	WILDCAT		
Well Type	Vertical		
Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #3 ARBUCKLE 3,593' - 3,601'		
Well Fluid Type	01 Oil		
Start Test Date	2011/07/02	Start Test Time	23:25:00
Final Test Date	2011/07/03	Final Test Time	06:46:00

Test Recovery:

RECOVERED: 1,419' GAS IN PIPE
295' CLEAN OIL GRAVITY @ 60 deg.
45' SLTWHGCMO 3% WTR, 8% GAS, 79% OIL, 19% MUD
340' TOTAL FLUID

TOOL SAMPLE: 100% OIL



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: _____	

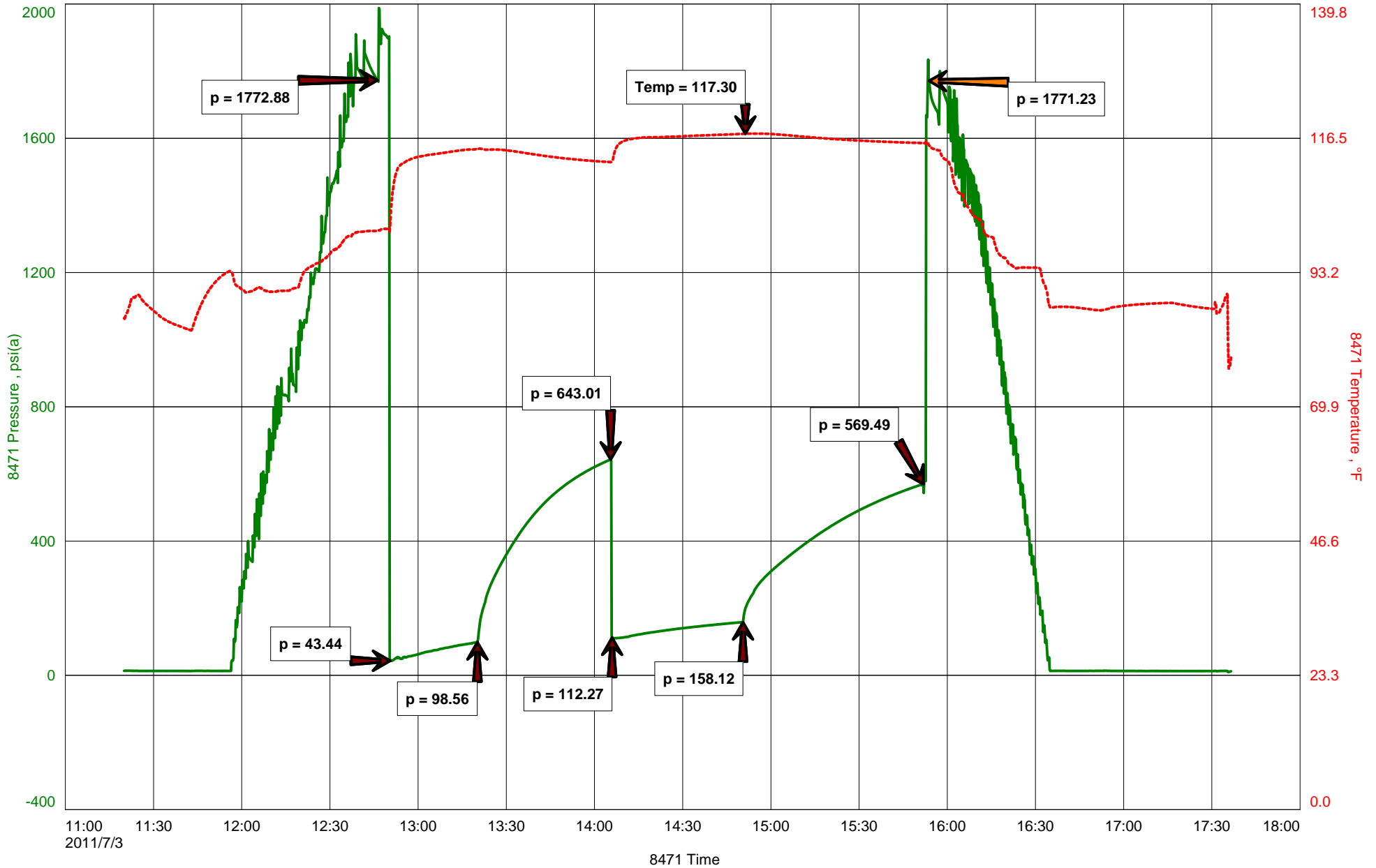
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... 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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L.D. DRILLING, INC.
DST #4 ARBUCKLE 3,601' - 3,609'
Start Test Date: 2011/07/03
Final Test Date: 2011/07/03

HOELSCHER #2-1
Formation: DST #4 ARBUCKLE 3,601' - 3,609'
Pool: WILDCAT

HOELSCHER #2-1



DIAMOND TESTING

General Information Report

General Information

Company Name	L.D. DRILLING, INC.	Representative	ROGER D. FRIEDLY
Contact	L.D. DAVIS	Well Operator	L.D. DRILLING, INC.
Well Name	HOELSCHER #2-1	Report Date	2011/07/03
Unique Well ID	DST #4 ARBUCKLE 3,601' - 3,609'	Prepared By	ROGER D. FRIEDLY
Surface Location	SEC 1-19S-15W BARTON COUNTY, KS	Qualified By	JOSH AUSTIN
Field	WILDCAT		
Well Type	Vertical		
Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #4 ARBUCKLE 3,601' - 3,609'		
Well Fluid Type	01 Oil		
Start Test Date	2011/07/03	Start Test Time	11:20:00
Final Test Date	2011/07/03	Final Test Time	17:36:00

Test Recovery:

RECOVERED: 1,750' GAS IN PIPE
315' CO 35 GRAVITY @ 60 deg
15' SLTW&MCGO 3% GAS, 95% OIL, 1% WTR, 1% MUD
61' SLTW&GO 3% GAS, 95% OIL 2% WTR
60' M&WCGO 32% GAS, 43% OIL, 14% WTR, 11% MUD
451' TOTAL FLUID

TOOL SAMPLE: 99% OIL, 1% WTR

CHLORIDES 15,000 Ppm
PH 8.0
RW .35 @ 94 deg.



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

Company Name	L.D. DRILLING, INC.	Representative	ROGER D. FRIEDLY
Contact	L.D. DAVIS	Well Operator	L.D. DRILLING, INC.
Well Name	HOELSCHER #2-1	Report Date	2011/07/04
Unique Well ID	DST #5 ARBUCKLE 3,609' - 3,620'	Prepared By	ROGER D. FRIEDLY
Surface Location	SEC 1-19S-15W BARTON COUNTY, KS	Qualified By	JOSH AUSTIN
Field	WILDCAT		
Well Type	Vertical		
Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #5 ARBUCKLE 3,609' - 3,620'		
Well Fluid Type	01 Oil		
Start Test Date	2011/07/03	Start Test Time	22:30:00
Final Test Date	2011/07/04	Final Test Time	04:19:00

Test Recovery:

RECOVERED: 60' GAS IN PIPE
91' CLEAN OIL 34 GRAVITY @ 60 deg.
30' G&OCWM 12% GAS, 18% OIL, 25% WTR, 45% MUD
121' TOTAL FLUID

TOOL SAMPLE: 90% OIL, 5% WTR, 5% MUD

CHLORIDES: 17,500 Ppm
PH: 8.0
RW: .45 @ 68 deg.



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

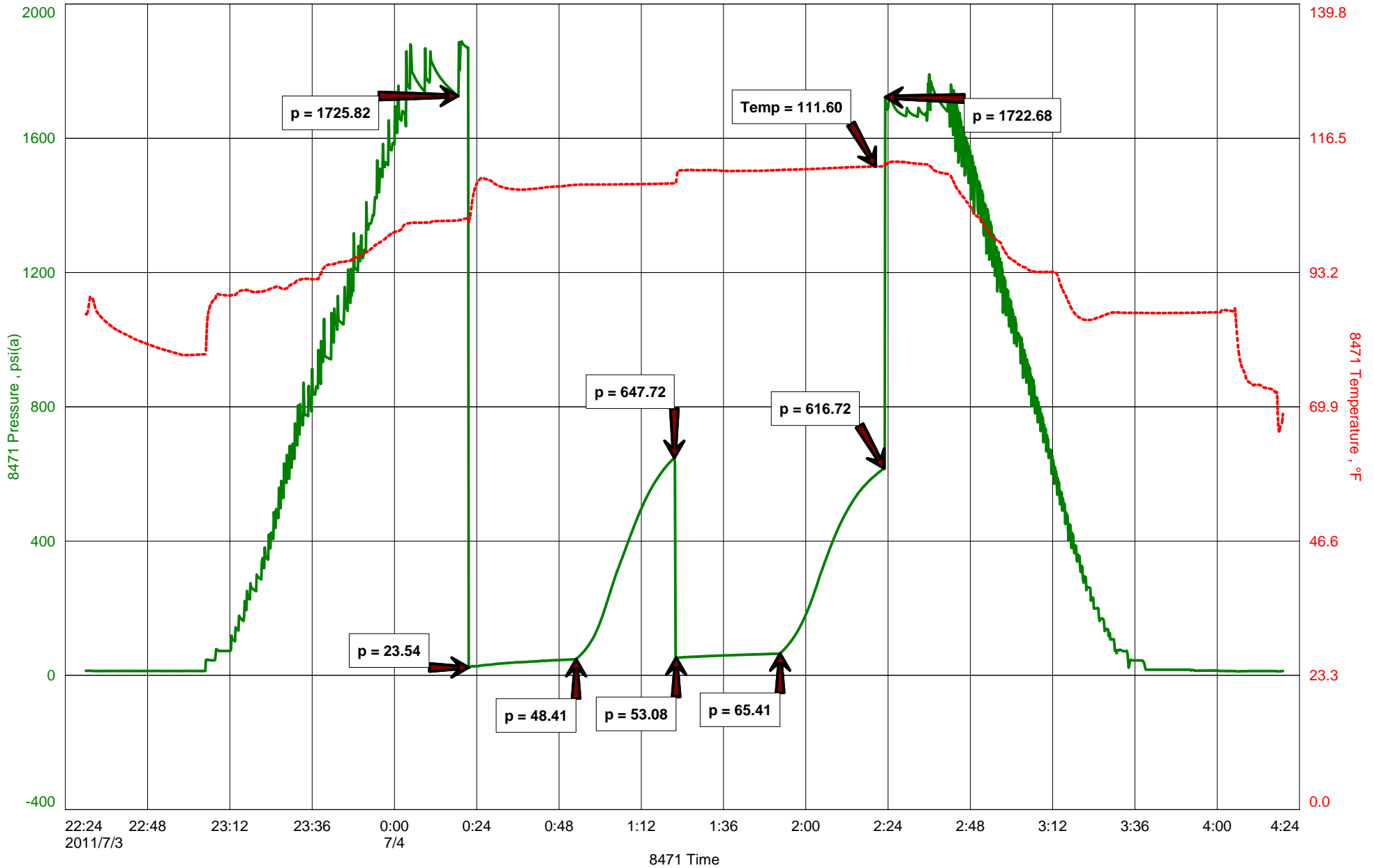
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... 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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L.D. DRILLING, INC.
DST #5 ARBUCKLE 3,609' - 3,620'
Start Test Date: 2011/07/03
Final Test Date: 2011/07/04

HOELSCHER #2-1
Formation: DST #5 ARBUCKLE 3,609' - 3,620'
Pool: WILDCAT

HOELSCHER #2-1





James C. Musgrove
Petroleum Geologist

Office (520) 522-3225 212 1/2th St. • P.O. Box 115 • Ocala, MO 67626 Home (520) 527-2222

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L.D. Drilling, Inc
 LEASE Hoelscher #2-1
 FIELD Otis-Albert
 LOCATION Nw-Se-Ne-Sw (1830 FSL & 2000 FSL)
 SEC 1 TWP 19 RGE 15
 COUNTY Barton STATE Kansas
 CONTRACTOR Petromark Drilling (Rig #2)
 SPLD 06-27-2011 COMP 07-04-2011
 RTD 3695 LTD 3693
 VOP UP 2790 TYPE NO. Chemical Displaced

ELEVATIONS
 KB 1982
 OF 1977
 Measurements Are All From KB
 SIZE OF HOLES 8 5/8" @ 951
 ELECTRICAL SURVEYS
 By Log-Teck
 CNL/LOG DIC WITH SONIC

SAMPLES SAVED FROM 2900 TO 3695
 DRILLING TIME KEPT FROM 2900 TO 3695 **RTD**
 SAMPLES EXAMINED FROM 2900 TO 3695
 GEOLOGICAL SUPERVISION FROM 3100 TO 3695
 GEOLOGIST ON WELL Josh Austin

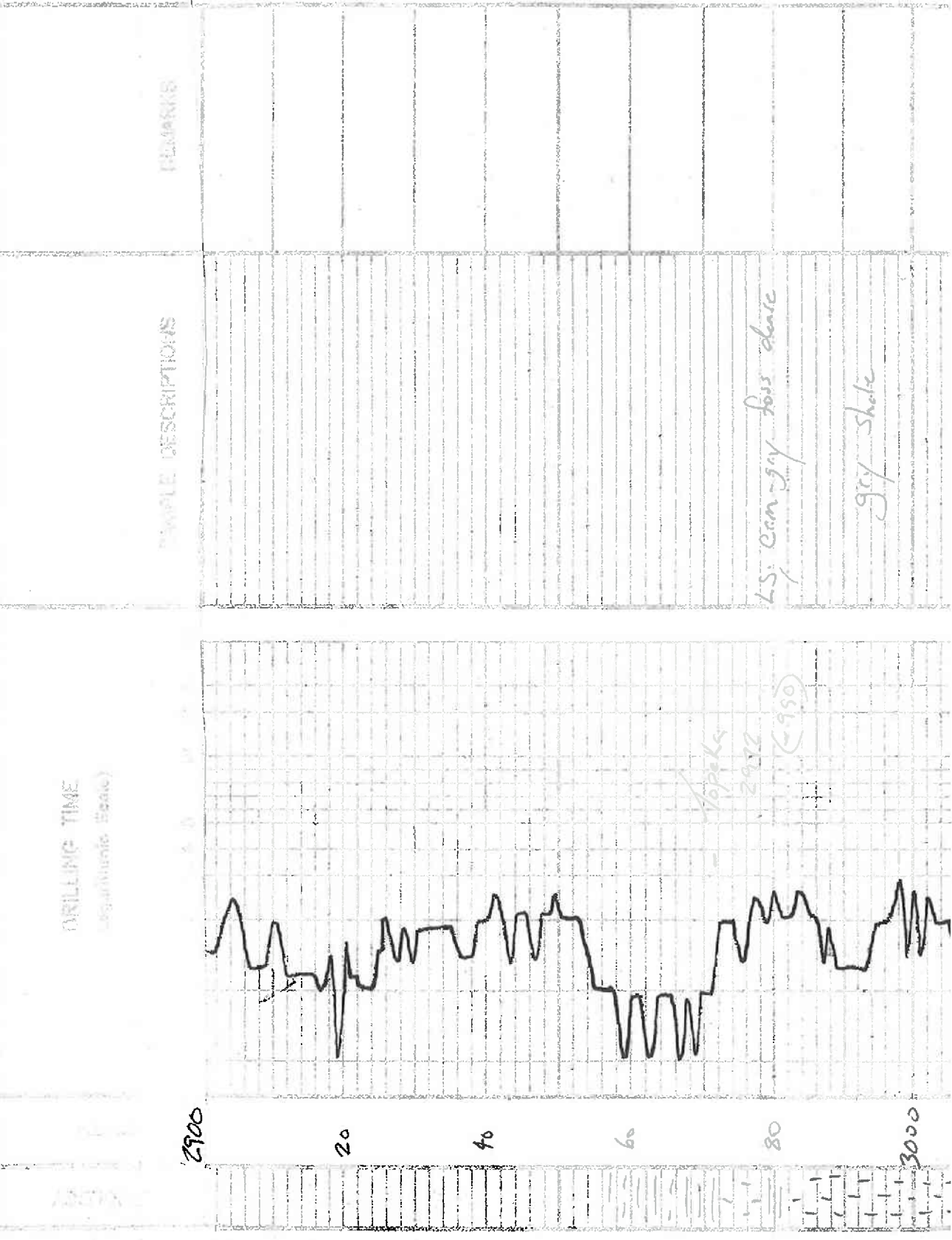
FORMATION TOPS	LOG	SAMPLES
Anhydrite	958 +1024	
Topeka	2968 -986	
Heebner	3209 -1227	
Toronto	3223 -1241	
Douglas	3238 -1256	
Brownlime	3286 -1304	
Lansing	3294 -1312	
Base Kansas City	3516 -1534	
Arbuckle	3578 -1596	
RTD	3695 -1713	
LTD	3693 -1711	

5 1/2" production casing was set and cemented.

Respectfully submitted,

Joshua R. Austin, James C. Musgrove
 Petroleum Geologists

Shale
 Sandstone
 Limestone
 Chert
 Dolomite
 Gypsum
 Salt
 Anhydrite
 Sulfate
 Silica
 Carbonate
 Organic
 Other



LS: cream-tan gy flk
foss in part few small
N/S

LS: gy - tan flk dense
SI: foss 4y in part

BLK carb shale

+ soft gy sh.

LS: cream flk chiky

gy - Mar - green shale

LS: cream-tan flk chiky. sl. 4y

LS: o.a. sl. green. foss. poorly
dev. N/S

BLK carb sh.

LS: gy. flk. foss. dense
4 gy. foss. heavy Δ

LS: cream gy. fossil. xl.
Sub o.a. 5cft. 122-1
thin sh. N/S. No. odor.

LS: cream o.o. - o.o. - fossil. 5cft.
/ cream type. (barren)

LS: gy - cream. foss. chiky (diss)

BLK carb shale

gy - mar sh.

LS: wh. cream flk chiky

Shaly gy. - greyish green
Silty in part

gy - greyish green. N. S.

silty

LS: buff. tan. flk. dense

LS: cream-tan o.o. sl. set. chiky
/ cream. (barren)

LS: flk. gy - cream. tan. xl. o. - barren
1 ft. 1-2 sp. to 16 flk. odor

LS: gy - tan flk. sl. foss.

DST #1 3298-3365
Blow. fair - good 088 in 6 min
Single 088 in 9 min
No blow back
Record 77 11.11.1923

