



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1191474
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1191474

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	LUBBERS 2-27
Doc ID	1191474

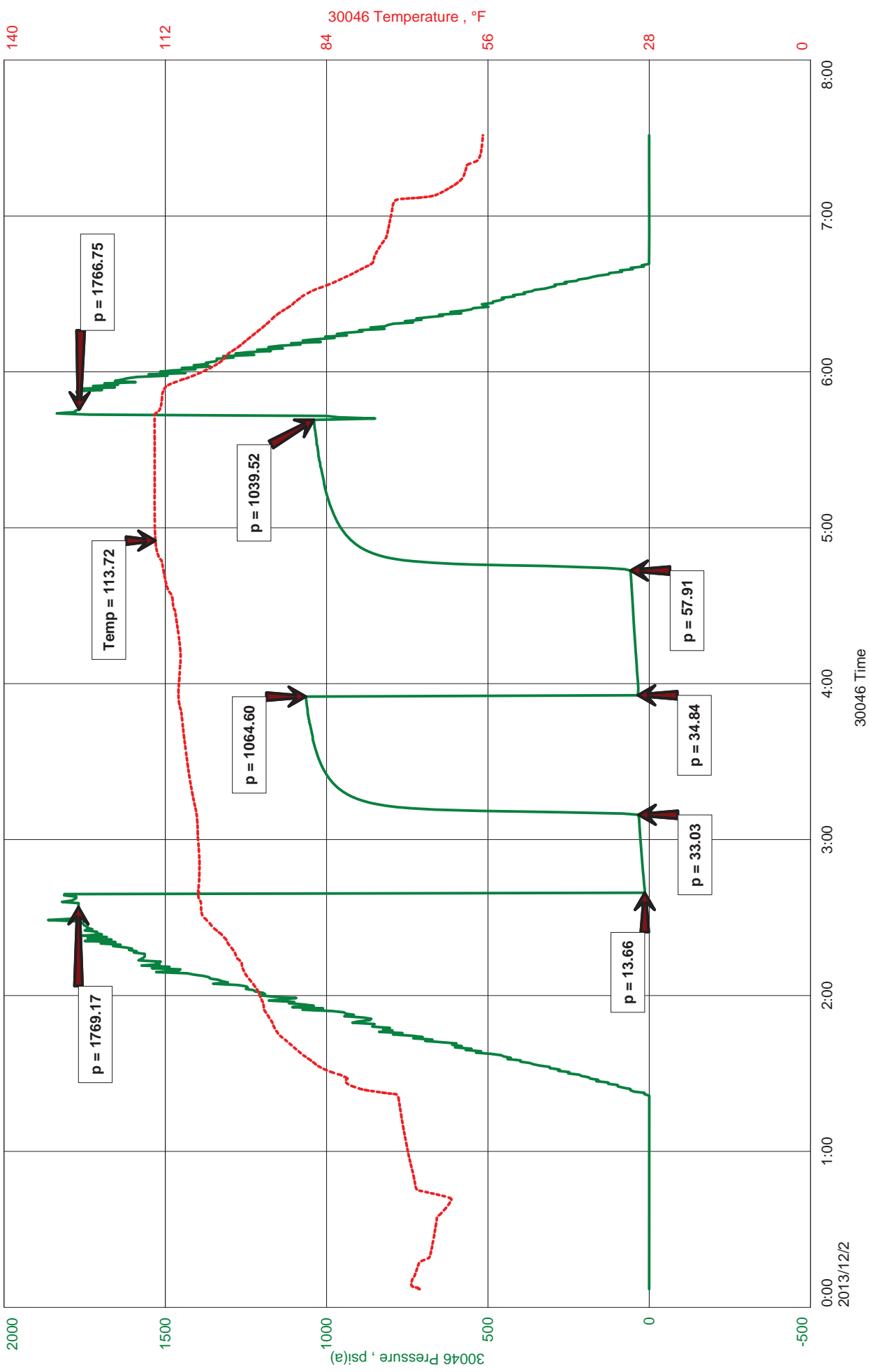
Tops

Name	Top	Datum
ANHYDRITE	2211	+552
BASE ANHYDRITE	2242	+521
STOTLER	3416	-653
HEEBNER	3778	-1015
LANSING	3820	-1057
STARK	4039	-1276
MARMATON	4126	-1363
FORT SCOTT	4293	-1530
CHEROKEE	4322	-1559
MISSISSIPPE	4394	-1631

L.D. DRILLING, INC.
DST #1 TORONTO/LANSING 'A' 3,783' - 3,830'
Start Test Date: 2013/12/02
Final Test Date: 2013/12/02

LUBBERS #2-27
Formation: DST #1 TORONTO/LANSING 'A' 3,783' - 3,830'

LUBBERS #2-27





**DIAMOND TESTING
ROGER D. FRIEDLY - TESTER
CELL 620-793-2043**

Company Name L.D. DRILLING, INC.
Contact L.D. DAVIS
Well Name LUBBERS #2-27
Unique Well ID DST #1 TORONTO/LANSING 'A' 3,783' - 3,830'
Surface Location SEC 27-12S-30W GOVE CO., KS
Field WILDCAT

Test Information

Job Number
Test Unit NO. 1
Representative ROGER D. FRIEDLY
Well Operator L.D. DRILLING, INC.
Report Date 2013/12/02
Prepared By ROGER D. FRIEDLY
Qualified By KIM SHOEMAKER

Test Type CONVENTIONAL
Formation DST #1 TORONTO/LANSING 'A' 3,783' - 3,830'
Test Purpose Initial Test
Well Fluid Type 06 Water
H2S

Start Test Date 2013/12/02 **Start Test Time** 00:07:00
Final Test Date 2013/12/02 **Final Test Time** 07:32:00

Remarks

RECOVERED: 35' WM 40% WTR, 60% MUD
63' MW 70% WTR, 30% MUD
98' TOTAL FLUID

TOOL SAMPLE: 80% WTR, 20% MUD SOME FREE OIL ON TOP OF TOOL

CHLORIDES 28,000 Ppm
PH: 8.0
RW: .30 @ 58 deg.



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: LUBBERS2-27DST1

TIME ON: 00:07
 TIME OFF: 07:32

Company L.D. DRILLING, INC. Lease & Well No. LUBBERS #2-27
 Contractor L.D. DRILLING, INC. Charge to L.D. DRILLING, INC.
 Elevation 2,763 KB Formation TORONTO/LANSING 'A' Effective Pay _____ Ft. Ticket No. _____
 Date 12-2-13 Sec. 27 Twp. _____ 12 S Range _____ 30 W County GOVE State KANSAS
 Test Approved By KIM SHOEMAKER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 1 Interval Tested from 3,783 ft. to 3,830 ft. Total Depth 3,830 ft.
 Packer Depth 3,778 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3,783 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,786 ft. Recorder Number 30046 Cap. 5,000 P.S.I.
 Bottom Recorder Depth (Outside) 3,827 ft. Recorder Number 13498 Cap. 3,925 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 52 Drill Collar Length 0 ft. I.D. 2 1/4 in.
 Weight 9.0 Water Loss 7.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 500 P.P.M. Drill Pipe Length 3,761 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number SAFTEY JOINT Test Tool Length 22 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 46 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{32' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4" BLOW INCREASING TO 6" (NOBB)
 2nd Open: WEAK SURFACE BLOW INCREASING TO 4" (NOBB)

Recovered 35 ft. of WM 40% WTR, 60% MUD
 Recovered 63 ft. of MW 70% WTR, 30% MUD
 Recovered 98 ft. of TOTAL FLUID

Recovered _____ ft. of _____	CHLORIDES: 28,000 Ppm	Price Job
Recovered _____ ft. of _____	PH 8.0	Other Charges
Remarks: _____	RW .30 @ 58 deg.	Insurance
<u>DIESEL IN BUCKET</u>		
<u>TOOL SAMPLE: 80% WTR, 20% MUD SOME FREE OIL ON TOP OF TOOL</u>		Total

Time Set Packer(s) 2:39 A.M. ^{A.M.} P.M. Time Started Off Bottom 5:39 A.M. ^{A.M.} P.M. Maximum Temperature 114

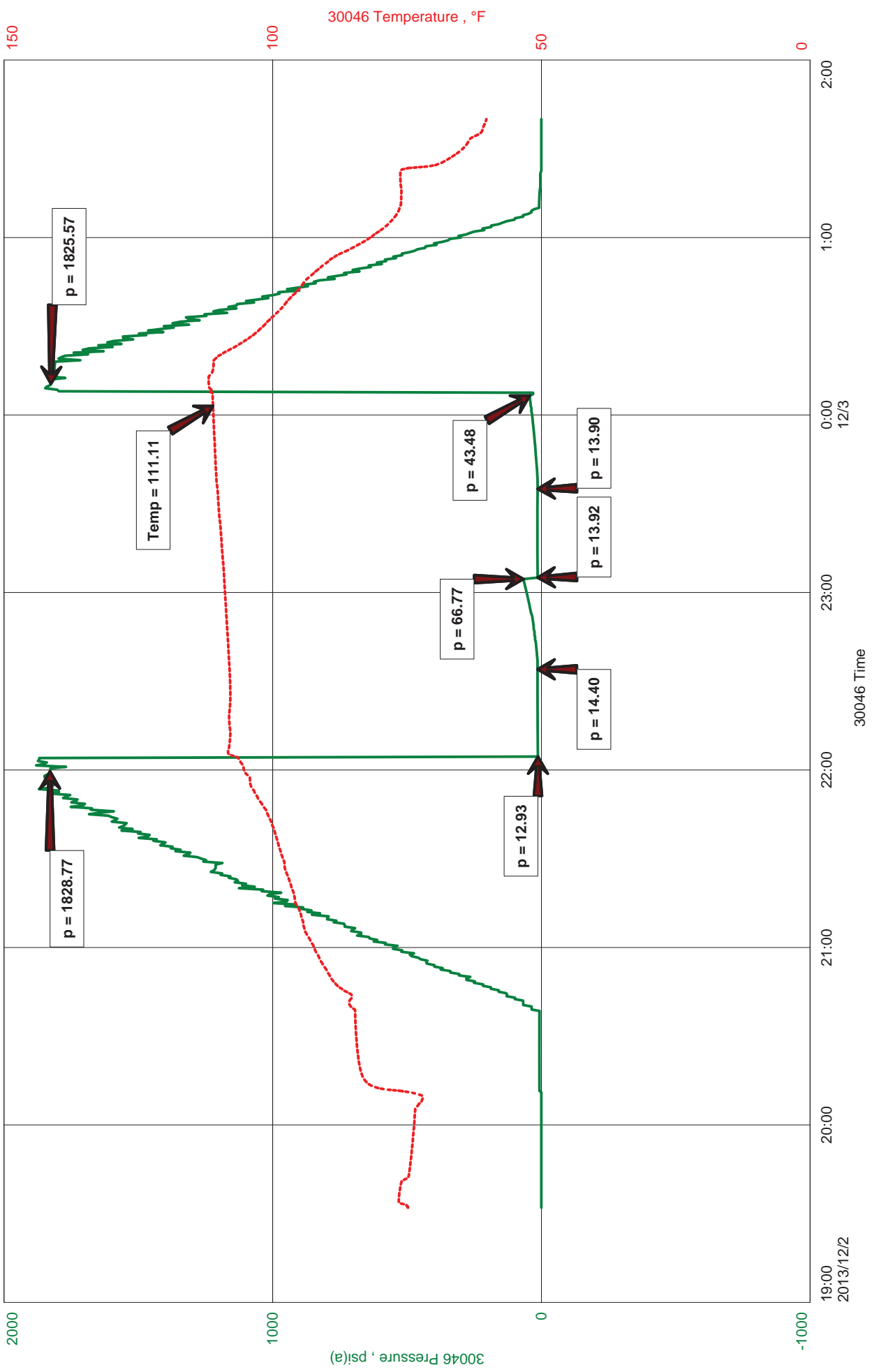
Initial Hydrostatic Pressure..... (A) 1,769 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 33 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 1,065 P.S.I.
 Final Flow Period..... Minutes 45 (E) 35 P.S.I. to (F) 58 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 1,040 P.S.I.
 Final Hydrostatic Pressure..... (H) 1,767 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.

L.D. DRILLING, INC.
DST #2 LKC 'E' 3,883' - 3,910'
Start Test Date: 2013/12/02
Final Test Date: 2013/12/03

LUBBERS #2-27
Formation: DST #2 LKC 'E' 3,883' - 3,910'

LUBBERS #2-27





DIAMOND TESTING
ROGER D. FRIEDLY - TESTER
CELL 620-793-2043

Company Name L.D. DRILLING, INC.
Contact L.D. DAVIS
Well Name LUBBERS #2-27
Unique Well ID DST #2 LKC 'E' 3,883' - 3,910'
Surface Location SEC 27-12S-30W GOVE CNTY, KS
Field WILDCAT

Test Information

Job Number
Test Unit NO. 1
Representative ROGER D. FRIEDLY
Well Operator L.D. DRILLING, INC.
Report Date 2013/12/03
Prepared By ROGER D. FRIEDLY
Qualified By KIM SHOEMAKER

Test Type CONVENTIONAL
Formation DST #2 LKC 'E' 3,883' - 3,910'
Test Purpose Initial Test
Well Fluid Type 01 Oil
H2S

Start Test Date 2013/12/02 **Start Test Time** 19:32:00
Final Test Date 2013/12/03 **Final Test Time** 01:42:00

Remarks

RECOVERED: 3' DM 100% MUD
 3' TOTAL FLUID

TOOL SAMPLE: 100% DM - GOOD OIL SPECKS



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: LUBBERS2-27DST1

TIME ON: 19:32(11.02)
TIME OFF: 01:43(11.03)

Company L.D. DRILLING, INC. Lease & Well No. LUBBERS #2-27
Contractor L.D. DRILLING, INC. Charge to L.D. DRILLING, INC.
Elevation 2,763 KB Formation LKC 'E' Effective Pay _____ Ft. Ticket No. _____
Date 12-2-13 Sec. 27 Twp. _____ 12 S Range _____ 30 W County _____ GOVE State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 2 Interval Tested from 3,883 ft. to 3,910 ft. Total Depth 3,910 ft.
Packer Depth 3,878 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3,883 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,885 ft. Recorder Number 30046 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3,907 ft. Recorder Number 13498 Cap. 3,925 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 56 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 10.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 500 P.P.M. Drill Pipe Length 3,861 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number SAFTEY JOINT Test Tool Length 22 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: WEAK 1/4" BLOW INCREASING TO 3/4" DECREASING IN 16 MIN 1/4" AT END (NOBB)
2nd Open: NO BLOW (NOBB)

Recovered 3 ft. of DM 100% MUD
Recovered 3 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>DIESEL IN BUCKET</u>	Insurance
<u>TOOL SAMPLE: 100% DM - GOOD OIL SPECKS</u>	Total

Time Set Packer(s) 10:04 P.M. ^{A.M.} P.M. Time Started Off Bottom 12:04 P.M. ^{A.M.} P.M. Maximum Temperature 111

Initial Hydrostatic Pressure..... (A) 1,829 P.S.I.
Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 14 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 67 P.S.I.
Final Flow Period..... Minutes 30 (E) 14 P.S.I. to (F) 14 P.S.I.
Final Closed In Period..... Minutes 30 (G) 43 P.S.I.
Final Hydrostatic Pressure..... (H) 1,826 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.



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 09560 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>12-6-13</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>LD Drilling, Inc</u>		LEASE <u>Lubbers</u>		WELL NO. <u>2-27</u>					
ADDRESS		COUNTY <u>Gove</u>		STATE <u>KS</u>					
CITY STATE		SERVICE CREW <u>MATTAI, Mcginn, Hardy</u>							
AUTHORIZED BY		JOB TYPE: <u>CON PFF</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>37536</u>	<u>5.5</u>						<u>12-5-13</u>		<u>9:00</u>
						ARRIVED AT JOB	<u>12-6-13</u>		<u>2:50</u>
<u>77686/19905</u>	<u>5.5</u>					START OPERATION			<u>6:03</u>
						FINISH OPERATION			<u>10:50</u>
<u>19831/19860</u>	<u>5.5</u>					RELEASED			<u>11:30</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>CP 103</u>	<u>60/40 P02</u>	<u>SK</u>	<u>205</u>		<u>2,460 00</u>
<u>CC 102</u>	<u>Cellofibre</u>	<u>1B</u>	<u>52</u>		<u>192 40</u>
<u>CC 200</u>	<u>CM gel</u>	<u>1B</u>	<u>354</u>		<u>88 50</u>
<u>E 100</u>	<u>P.U. M.L.S</u>	<u>ME</u>	<u>160</u>		<u>680 00</u>
<u>E 101</u>	<u>Heavy eq. M.L.S</u>	<u>ME</u>	<u>320</u>		<u>2,240 00</u>
<u>E 113</u>	<u>PUMP + Bulk Delivery</u>	<u>FM</u>	<u>1416</u>		<u>2,265 60</u>
<u>CC 203</u>	<u>DEPTH CHAIR - 2001-3000</u>	<u>4hr</u>	<u>1</u>		<u>1,800 00</u>
<u>CC 240</u>	<u>Bleed + mix chair</u>	<u>SH</u>	<u>205</u>		<u>287 00</u>
<u>S 003</u>	<u>Service Supervisor</u>	<u>OA</u>	<u>1</u>		<u>175 00</u>

SUB TOTAL 69 7,641 38

CHEMICAL / ACID DATA:			

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

TOTAL

SERVICE REPRESENTATIVE Mike Mattai

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

FIELD SERVICE ORDER NO.

Customer L.D. Drilling	Lease No.	Date 12-6-13
Lease LYB Wells	Well # 2-27	
Field Order # 9560	Station Pratt	Casing
Type Job CNW PTA	Formation	Depth 2220
		County gove
		State KS
		Legal Description 27-12-30

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid 205 SKS 60/40 PSC	RATE	PRESS	ISIP	
Depth 2220	Depth	From	To	Pre Pad 4% sol 1/4" C.F.	Max		5 Min.	
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press 300	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 2220	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative RICK	Station Manager Kevin Gooding	Treater Mike MATTAI
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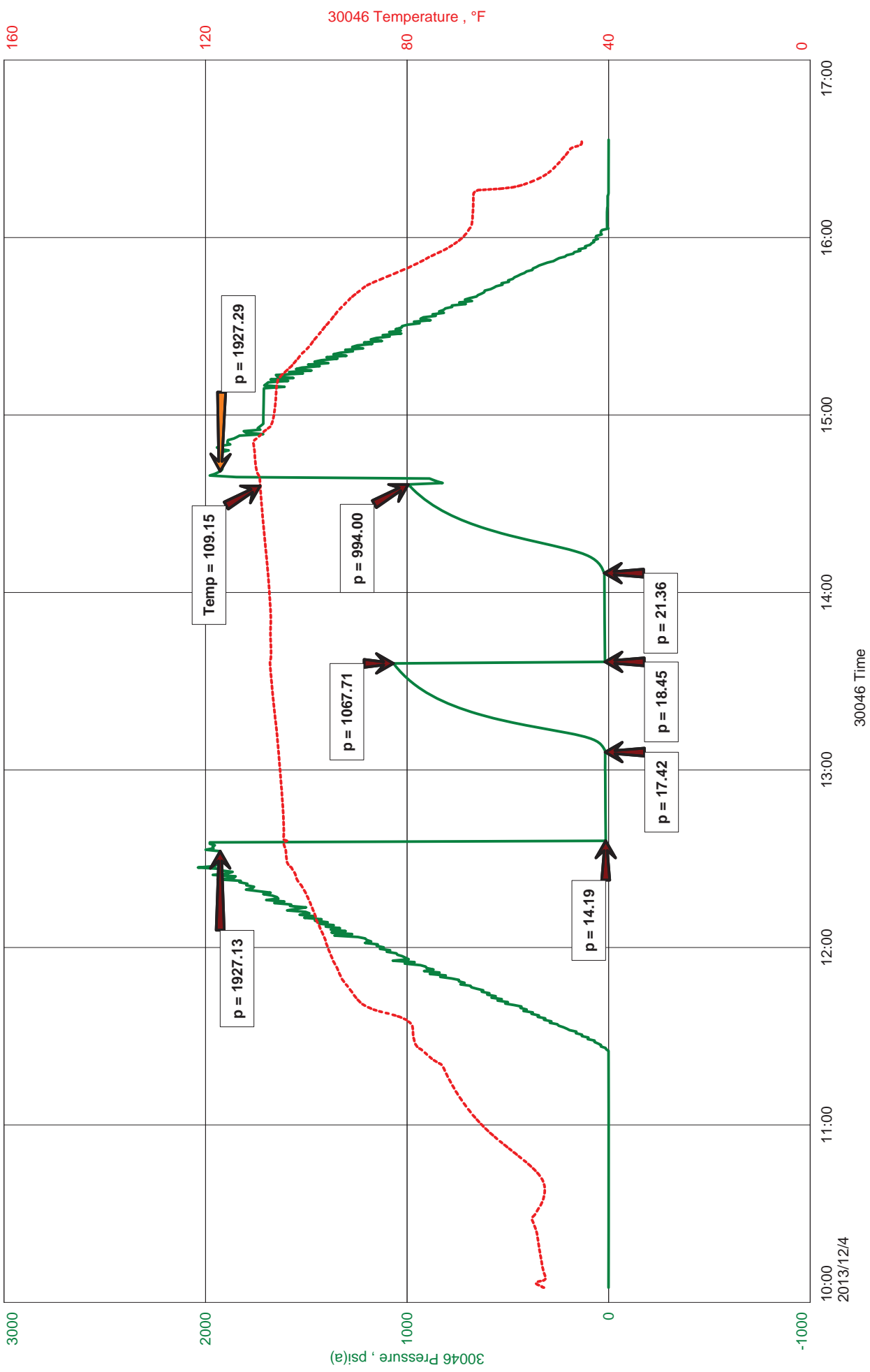
Service Units	37856	77686	19903	19831	19862				
Driver Names	MATTAI	Miguel		HAMBLY					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:50 AM					ON location / safety meeting
					1 st Plug @ 2220 ft
6:03		200	10	5	Pump 10 BBL H2O
6:05		200	7	5	Mix 25 SKS CMT
6:08		100	8	5	Pump 8 BBL H2O
6:10		100	20	5	Pump 20 BBL mud
6:20					Pull Drill Pipe
					2 nd plug @ 1350 ft
7:24		200	10	5	PUMP 10 BBL H2O
7:26		200	26	5	MIX 100 SKS CMT
7:46		100	6	5	Pump 6 H2O
7:49		100	6	5	Pump 6 mud
8:00					Pull Drill Pipe
					3 rd Plug @ 397 ft
9:10		200	5	4	PUMP 5 BBL H2O
9:12		100	10	4	MIX 40 SKS CMT
9:15		100	3	4	Pump 3 H2O
9:30					Pull Drill Pipe
					4 th Plug @ 40'
10:40			3		circulate CMT
10:45			7		Plug RAT hole, JOB COMPLETE

L.D. DRILLING, INC.
DST #4 LKC 'K-L' 4,037' - 4,100'
Start Test Date: 2013/12/04
Final Test Date: 2013/12/04

LUBBERS #2-27
Formation: DST #4 LKC 'K-L' 4,037' - 4,100'

LUBBERS #2-27





DIAMOND TESTING
ROGER D. FRIEDLY - TESTER
CELL 620-793-2043

Company Name L.D. DRILLING, INC.
Contact L.D. DAVIS
Well Name LUBBERS #2-27
Unique Well ID DST #4 LKC 'K-L' 4,037' - 4,100'
Surface Location SEC 27-12S-30W GOVE CNTY, KS
Field WILDCAT

Test Information

Job Number
Test Unit NO. 1
Representative ROGER D. FRIEDLY
Well Operator L.D. DRILLING, INC.
Report Date 2013/12/04
Prepared By ROGER D. FRIEDLY
Qualified By KIM SHOEMAKER

Test Type CONVENTIONAL
Formation DST #4 LKC 'K-L' 4,037' - 4,100'
Test Purpose Initial Test
Well Fluid Type 01 Oil
H2S

Start Test Date 2013/12/04 **Start Test Time** 10:05:00
Final Test Date 2013/12/04 **Final Test Time** 16:36:00

Remarks

RECOVERED: 15' DM 100% MUD
 15' TOTAL FLUID

TOOL SAMPLE: 100% MUD - SOME FREE OIL IN TOOL



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: LUBBERS2-27DST4

TIME ON: 10:05
 TIME OFF: 16:36

Company L.D. DRILLING, INC. Lease & Well No. LUBBERS #2-27
 Contractor L.D. DRILLING, INC. Charge to L.D. DRILLING, INC.
 Elevation 2,763 KB Formation LKC 'K-L' Effective Pay _____ Ft. Ticket No. _____
 Date 12-4-13 Sec. 27 Twp. _____ 12 S Range _____ 30 W County GOVE State KANSAS
 Test Approved By KIM SHOEMAKER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 4 Interval Tested from 4,037 ft. to 4,100 ft. Total Depth 4,100 ft.
 Packer Depth 4,032 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 4,037 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 4,040 ft. Recorder Number 30046 Cap. 5,000 P.S.I.
 Bottom Recorder Depth (Outside) 4,097 ft. Recorder Number 13498 Cap. 3,925 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 9.2 Water Loss 10.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 500 P.P.M. Drill Pipe Length 4,015 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number SAFTEY JOINT Test Tool Length 22 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 63 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{31' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4" BLOW INCREASING TO 1 1/2" (NOBB)
 2nd Open: WEAK SURFACE BLOW INCREASING TO 1/4" (NOBB)

Recovered 15 ft. of DM 100% MUD
 Recovered 15 ft. of TOTAL FLUID
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>DIESEL IN BUCKET</u>	Insurance
<u>TOOL SAMPLE: 100% DM - SOME OIL IN TOOL</u>	Total

Time Set Packer(s) 12:35 P.M. ^{A.M.} P.M. Time Started Off Bottom 2:35 P.M. ^{A.M.} P.M. Maximum Temperature 109

Initial Hydrostatic Pressure..... (A) 1,927 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 17 P.S.I.
 Initial Closed In Period..... Minutes 30 (D) 1,068 P.S.I.
 Final Flow Period..... Minutes 30 (E) 18 P.S.I. to (F) 21 P.S.I.
 Final Closed In Period..... Minutes 30 (G) 994 P.S.I.
 Final Hydrostatic Pressure..... (H) 1,927 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.

KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 * WICHITA, KS

GEOLOGIST'S REPORT

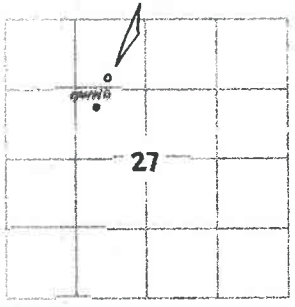
DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, Inc.
 LEASE # 2-27 LUBBERS
 FIELD GAELAND
 LOCATION 1143' FNL & 1968' FWL
 SEC 27 TWSP 12s RGE 30w
 COUNTY Gove STATE KANSAS
 CONTRACTOR L. D. DRILLING, Inc.
 SPUD 11-26-13 COMP 12-6-13
 RTD 4432 LTD _____
 MUD UP 3180 TYPE MUD CHEMICAL

ELEVATIONS
 KB 2763
 DF _____
 GL 2758
 Measurements Are All From 2763 KB
 CASING
 SURFACE 8 5/8" @ 347'
 PRODUCTION _____
 ELECTRICAL SURVEYS
None

SAMPLES SAVED FROM 3600 TO 4432
 DRILLING TIME KEPT FROM 3300 TO 4432
 SAMPLES EXAMINED FROM 3600 TO 4432
 GEOLOGICAL SUPERVISION FROM 3600 TO 4432
 GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE		2211 + 552
B/ANW.		2242 + 521
STOTLER		3416 - 653
HEEBNER		3778 - 1015
LANSING		3820 - 1057
STARK		4039 - 1276
MARMATON		4126 - 1363
FORT SCOTT		4293 - 1530
CHEROKEE		4322 - 1559
MISSISSIPPI		4394 - 1631



APL: 15-063 - 22160

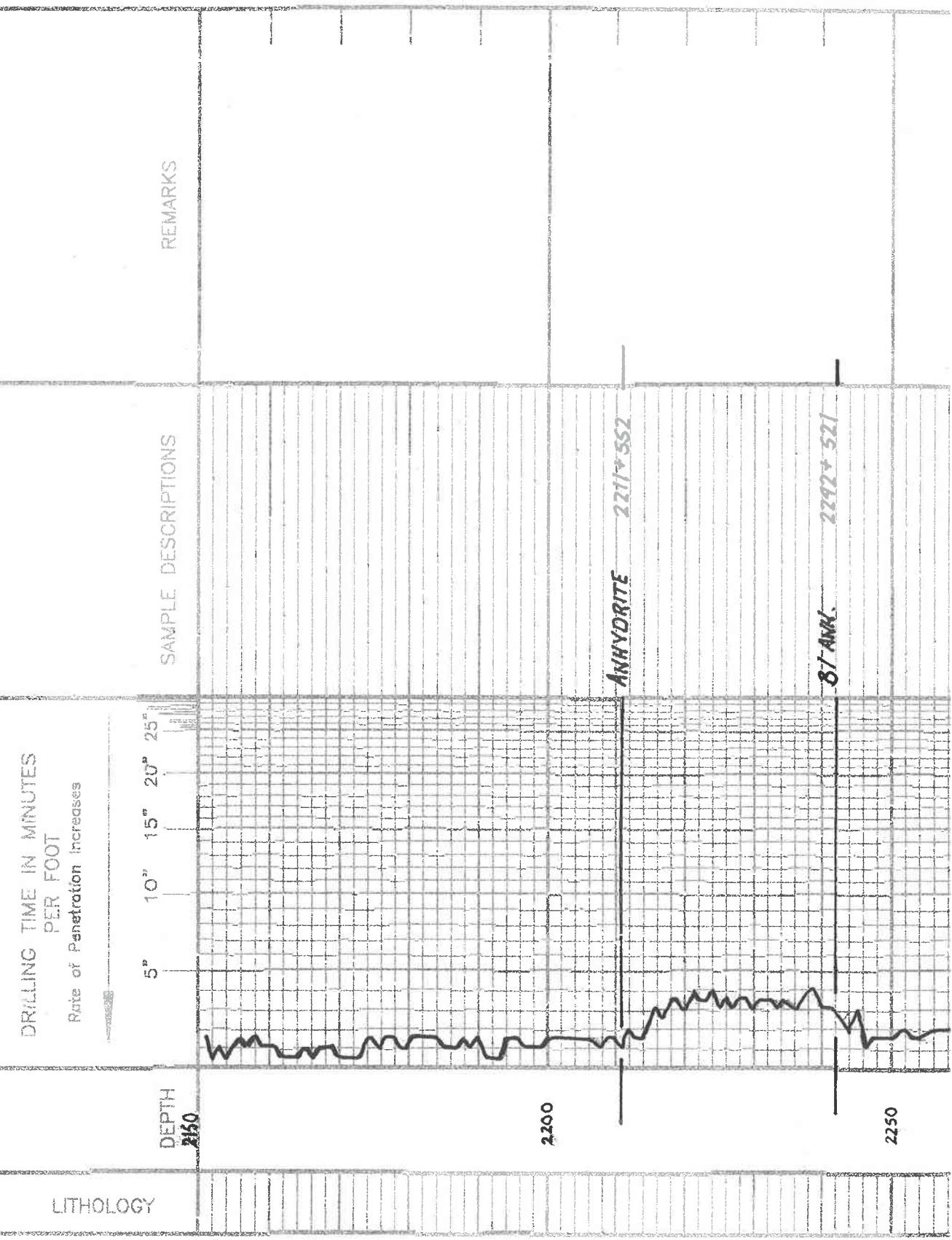
REMARKS

11-26-13 SPUD
 11-27 @ 347'
 11-28 @ 1750'
 11-29 @ 2570'
 11-30 @ 3235'
 12-1 @ 3655'
 12-2 @ 3830'
 12-3 @ 3930'
 12-4 @ 4100'
 12-5 @ 4250'
 12-6 @ 4432'

LEGEND

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

SHOE01-06



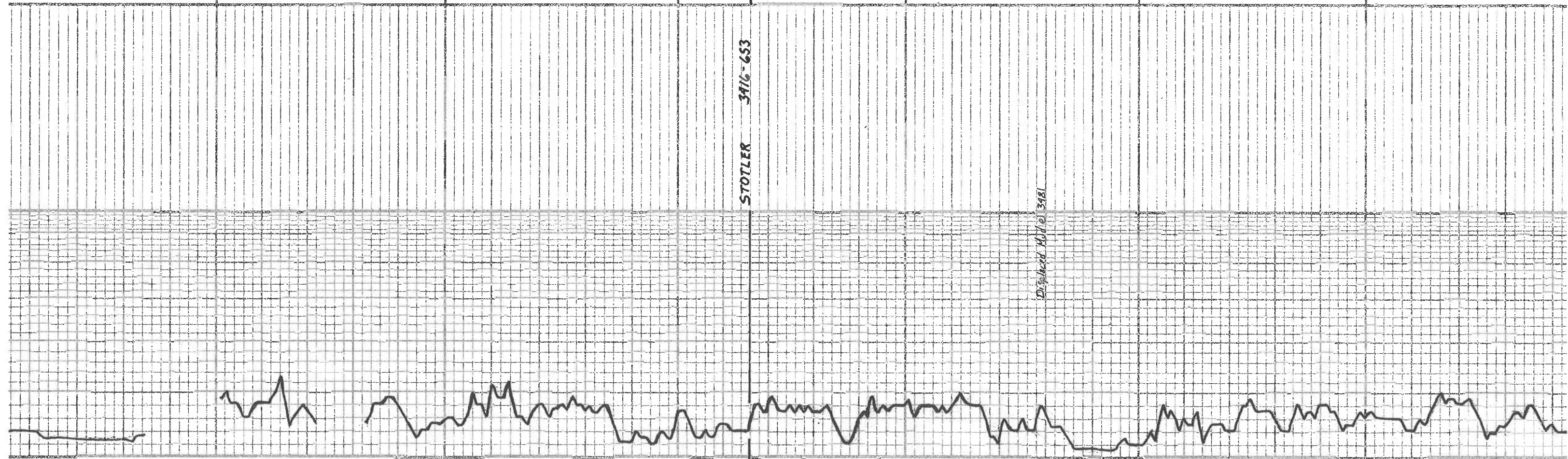
3300

3400

3500

STOTLER 3416-653

Discontinued Model 3481



3600

3700

3800

3900

Sh. clay. Silty. Sdy.

ls. wt. to. Foss. Calcitic.

ls. to. wt. Foss.ool. Sil. Chalky.

ls. wt. V.Sil. Foss. Sil. Chalky.

ls. G. Dol.

Sh. Blk.

Sh. H.G. Silty. Sdy.

ls. wt. Sil.ool. Foss.

Sh. Red. G.

ls. wt. clay. Sil. Foss.

Sh. Neg. Blk.

ls. wt. clay. Sil. Foss. ool. w/ly ool.

ls. wt. Sil. Foss. Chalky.

Alwh.

ls. G. Foss. Sil. Foss.

HEEBNER 3778-1015
Sh. Blk. Chalky.

ls. clay. R. V.Sil. Foss.

Sh. LGN.

TORONTO 3800-1037

ls. wt. Sil. Foss. V.Sil. Chalky. F.R. Partly w/ly of T.G. Nuc.
D.K. Bl. Spid. Sil. S.S.F.O. No. Foss. No. Ool.

ls. wt. V.Sil. Foss. V.Sil. Chalky.

Sh. H.G.

LANSING 3820-1057

ls. wt. to. ool. Sil. A. P. W. G. T. D. Sil. S.S.F.O.
Dull. Foss. No. Ool.

ls. wt. clay. V.Sil. A.

Sh. Red. G.

ls. to. Sil. A.

ls. wt. clay. V.Sil. Foss.

ls. to. wt. Sil. Calcitic. V.Sil. Chalky.

Sh. LGN.

Sh. Bl. Blue

ls. to. wt. Sil. Foss. Sil. V.Sil. F. Nuc. of
Spid. Bl. Sil. V.S.S.F.O. T.G. Nuc. F. Nuc.
F.R. Ool.

ls. to. wt. Bl. V.Sil. Foss. Sil. Calcitic.

ls. wt. Sil. Foss. Sil. A.

DST (1) 3783-3830

1" OPEN: Blow built to 6"
2" OPEN: " " " 1"

30-95-95-60

Re. 35' W.M. (90' w/ 60' M)
63' MIN (20' w/ 30' M)

IP: 98'



Temp: 119.9

Tool Sample: 80% w/ 20% M w/ free oil on top of tool.

Vis: 59
WT: 88
ML: 76
CAL: 500



Vis: 56
WT: 89
ML: 80
CAL: 500

DST (2) 3883-3910

1" OPEN: Blow built to 3/4" decr. to 1/4"
2" OPEN: No Blow

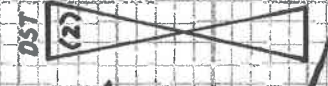
30-30-30-30

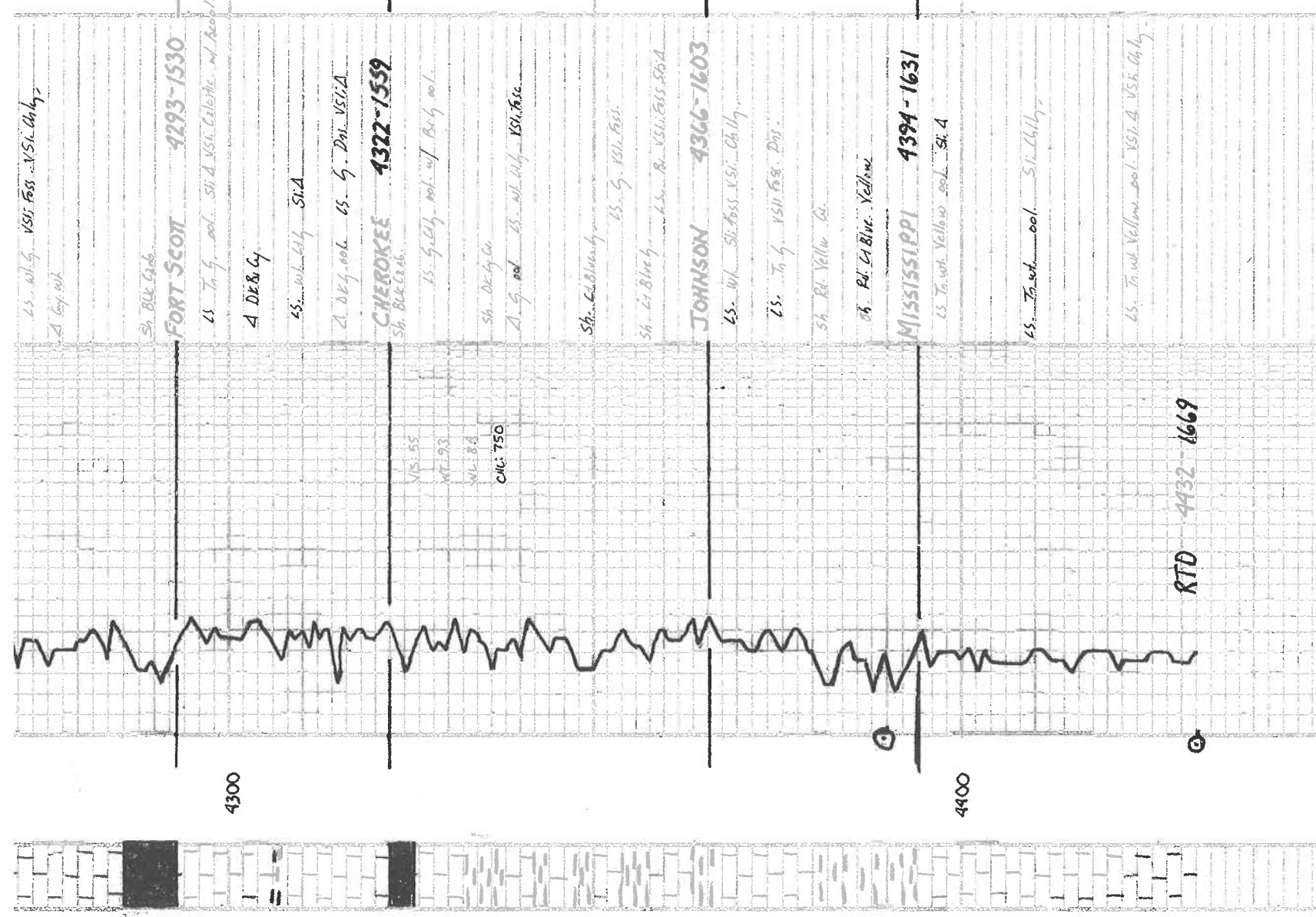
Re. 3' Mud



Temp: 110.5

Tool Sample: 100% Mud w/ oil spots.





Ls. wt. g. VSI. Foss. VSI. Chly.

Sh. Blk. Gr. 4293-1530

Ls. Tr. g. ool. Sh. & VSI. Calc. n. Rool.

A. D. & G.

Ls. ool. Ch. SIA

A. D. & G. ool. Ls. g. D. VSI. A

CHEROKEE 4322-1559

Sh. Blk. Gr. 66.

Ls. g. Chly. ool. w/ Bch. ool.

Sh. D. & G. Gr.

A. g. ool. Ls. w/ Chly. VSI. Foss.

Sh. Calc. n. g. VSI. Foss.

Ls. g. VSI. Foss.

Sh. Lt. Blue. Ls. R. VSI. Foss. S. 60 A

JOHNSON 4366-1603

Ls. wt. Sh. Foss. VSI. Chly.

Ls. Tr. g. VSI. Foss. D. g.

Sh. Lt. Yellow. G.

Sh. Lt. Blue. Yellow

MISSISSIPPI 4394-1631

Ls. Tr. wt. Yellow. ool. S. 4

Ls. Tr. wt. ool. Sh. Chly.

Ls. Tr. wt. Yellow. ool. VSI. A. VSI. Chly.

4300

4400

RTD 4432-1669

VSI. 55

WT. 93

W/L. 83

CAL. 750



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 09560 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>12-6-13</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>LD Drilling, Inc</u>		LEASE <u>Lubbers</u> WELL NO. <u>2-27</u>							
ADDRESS		COUNTY <u>Gove</u> STATE <u>KS</u>							
CITY STATE		SERVICE CREW <u>MATTAI, Mcginn, Hardy</u>							
AUTHORIZED BY		JOB TYPE: <u>CON PFF</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>37536</u>	<u>5.5</u>						<u>12-5-13</u>		<u>9:00</u>
						ARRIVED AT JOB	<u>12-6-13</u>		<u>2:50</u>
<u>77686/19905</u>	<u>5.5</u>					START OPERATION			<u>6:03</u>
						FINISH OPERATION			<u>10:50</u>
<u>19831/19860</u>	<u>5.5</u>					RELEASED			<u>11:30</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	
CP 103	60/40 P02	SX	205		2,460 00	
CC 102	Cellofibre	LB	52		192 40	
CC 200	CM 921	LB	354		88 50	
E 100	P.U. M.L.S	ME	160		680 00	
E 101	Heavy eq. M.L.S	ME	320		2,240 00	
E 113	PUMP + Bulk Delivery	FM	1416		2,265 60	
CC 203	DEPTH CHAIR - 2001-3000	4hr	1		1,800 00	
CC 240	Blood + mix chair	SX	205		287 00	
S 003	Service Supervisor	OA	1		175 00	
					SUB TOTAL	<u>7,641 38</u>

CHEMICAL / ACID DATA:			

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

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

Customer L.D. Drilling	Lease No.	Date 12-6-13
Lease LYB W 015	Well # 2-27	
Field Order # 9560	Station Pratt	Casing
		Depth 2220
Type Job CNW PTA	Formation	County gove
		State KS
		Legal Description 27-12-30

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid 205 SKS 60/40 PSC	RATE	PRESS	ISIP	
Depth 2220	Depth	From	To	Pre Pad 4% sol 1/4" C.F.	Max		5 Min.	
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press 300	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 2220	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative RICK	Station Manager Kevin Gooding	Treater Mike MATTAI
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Service Units	37856	77686	19903	19831	19862				
Driver Names	MATTAI	Miguel		HAMBLY					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:50 AM					ON location / safety meeting
					1 st Plug @ 2220 ft
6:03		200	10	5	Pump 10 BBL H2O
6:05		200	7	5	Mix 25 SKS CMT
6:08		100	8	5	Pump 8 BBL H2O
6:10		100	20	5	Pump 20 BBL mud
6:20					Pull Drill Pipe
					2 nd plug @ 1350 ft
7:24		200	10	5	PUMP 10 BBL H2O
7:26		200	26	5	MIX 100 SKS CMT
7:46		100	6	5	Pump 6 H2O
7:49		100	6	5	Pump 6 mud
8:00					Pull Drill Pipe
					3 rd Plug @ 397 ft
9:10		200	5	4	PUMP 5 BBL H2O
9:12		100	10	4	MIX 40 SKS CMT
9:15		100	3	4	Pump 3 H2O
9:30					Pull Drill Pipe
					4 th Plug @ 40'
10:40			3		circulate CMT
10:45			7		Plug RTT hole, JOB COMPLETE

Customer L O Drilling inc	Lease No.	Date 11-27-13
Lease LYBB-ers	Well # 2-27	
Field Order # 9553	Station Pratt	Casing 8 7/8
		Depth 347
Type Job cnw SP SURFACE	Formation	County gove
		State KS
		Legal Description 27-12-30

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 7/8	Tubing Size	Shots/Ft		Acid 300 SKY 60/40 P02	RATE	PRESS	ISIP	
Depth 347	Depth	From	To	Pre Pad	Max		5 Min.	
Volume 22.1	Volume	From	To	Pad	Min		10 Min.	
Max Press 300	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection SV	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 327	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative RICK	Station Manager	Treater
Service Units 37586	33708 20920	19831 19862
Driver Names MATTM	G (AUG)	PIERSON

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:30 AM					ON LOCATION / ATT SAREY MEETING
11:05					RUN CSNG
11:55					CSNG ON BOTTOM
12:05 PM					HOOK UP TO CSNG / BREAK CIRC W RIG
12:20	100		3	5	PUMP 3 BBI H ₂ O
12:21	100		70	5	MIX 300 SKY 60/40 P02
12:39	100			4	START DISPLACEMENT
12:45	150		20.5		Plug down
					CIRC TRM JOB, 15 BBLS TO PIT
					JOB COMPLETE
					THANK YOU
					MIKE MATTM