



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1211582
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: _____

1211582

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 <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 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
<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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	DEVORE 1-10
Doc ID	1211582

Tops

Name	Top	Datum
ANHYDRITE	879	+1099
BASE ANHYDRITE	897	+1081
HEEBNER	3412	-1434
TORONTO	3430	-1442
BROWN LIME	3542	-1564
LANSING	3556	-1578
BASE KANSAS CITY	3782	-1804
VIOLA	3909	-1931
SIMPSON	3944	-1966
SIMPSON SAND	3961	-1983
ARBUCKLE	3996	-2018



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Devore 1-10 Dst 1

TIME ON: 18:17 May 6
TIME OFF: 00.22 May 7

Company L.D Drilling Inc Lease & Well No. Devore 1-10
Contractor Petromark Drilling Charge to L.D Drilling
Elevation 1973 GL 1978 KB Formation _____ Lan K Effective Pay _____ Ft. Ticket No. RR029
Date 05/06/2014 Sec. 10 Twp. _____ 23 S Range _____ 14 W County _____ Staffot _____ State KANSAS
Test Approved By Kurt Talbott Diamond Representative _____ RICKY RAY

Formation Test No. 1 Interval Tested from 3670 ft. to 3715 ft. Total Depth 3715 ft.
Packer Depth 3655 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3670 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3641 ft. Recorder Number _____ 0062 Cap. _____ 5000 P.S.I.
Bottom Recorder Depth (Outside) 3708 ft. Recorder Number _____ 5586 Cap. _____ 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEMICAL Viscosity 47 Drill Collar Length 273 ft. I.D. 2 1/4 in.
Weight 8.9 W Water Loss 11.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5300 P.P.M. Drill Pipe Length 3364 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 8 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NA Reversed Out NA Anchor Length 45 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: WSB Blow Died in 13 mins NOBB
2nd Open: NO Blow Flush tool 20 mins in (Good Surge) NOBB

Recovered <u>5</u> ft. of M	<u>100% M</u>
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>100 % M</u>	Total

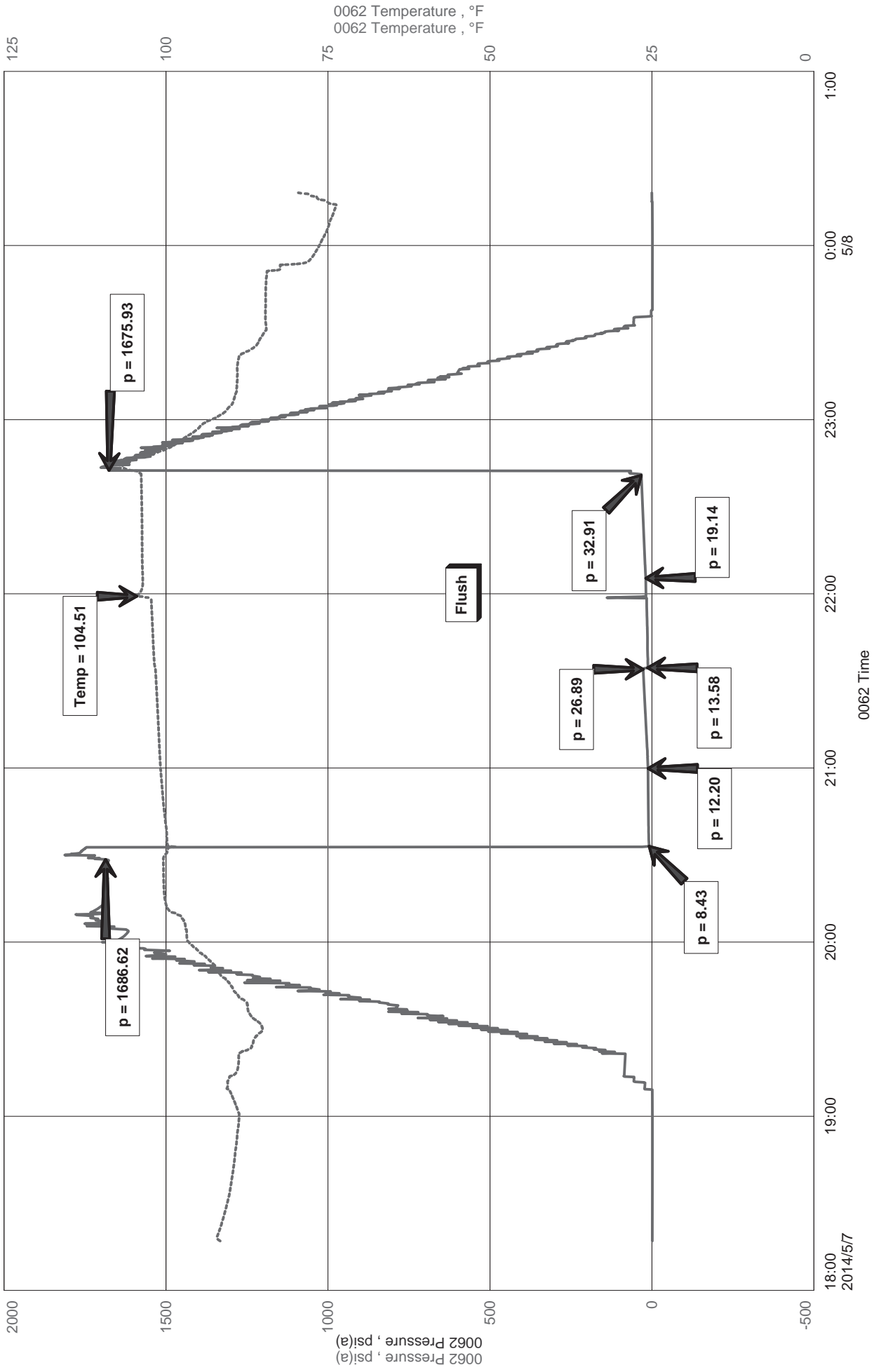
Time Set Packer(s) 8:38 PM A.M. P.M. Time Started Off Bottom 10:38 PM A.M. P.M. Maximum Temperature 195
Initial Hydrostatic Pressure..... (A) 1687 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 12 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 27 P.S.I.
Final Flow Period..... Minutes 30 (E) 14 P.S.I. to (F) 19 P.S.I.
Final Closed In Period..... Minutes 30 (G) 33 P.S.I.
Final Hydrostatic Pressure..... (H) 1676 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
Start Test Date: 2014/05/06
Final Test Date: 2014/05/07

Devore 1-10
Formation: Dst 1 Lan "k" (3670-3715)
Pool: Infield
Job Number: RR029

Devore 1-10





Diamond Testing LLC
 P.O. Box 157
 Hoisington KS 67544

Ricky Ray - Tester
(620) 617-7261

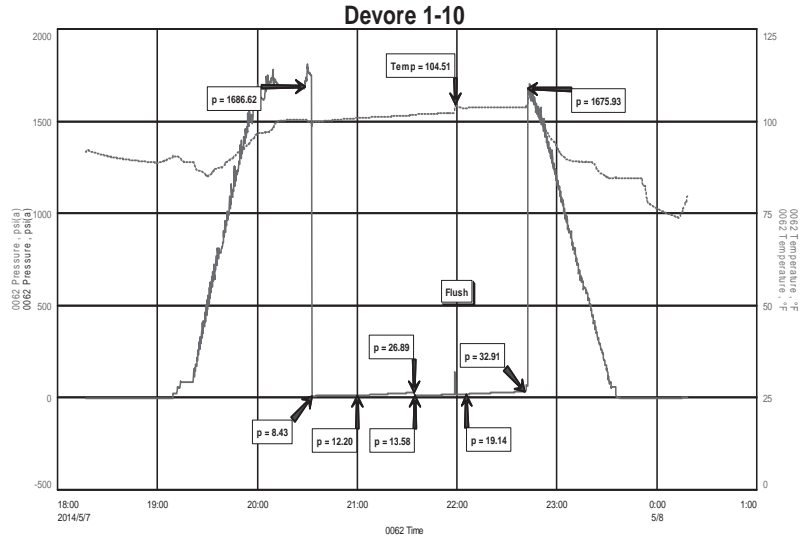
Wellsite Report

General Information

Company Name	L.D Drilling Inc
Contact	L.D Davis
Well Operator	L.D Drilling
Well Name	Devore 1-10
Surface Location	Sec: 10-23s-14W
Field	Crissman North
Well Type	Vertical
Pool	Infield
Test Purpose (AEUB)	Initial Test
Qualified By	Kurk Talbott
Gauge Name	0062

Test Information

Job Number	RR029
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 1 Lan "k" (3670-3715)
Start Test Date	2014/05/06 YYYY/MM/DD
Start Test Time	18:17:00 HH:mm:ss
Final Test Date	2014/05/07 YYYY/MM/DD
Final Test Time	00:22:00 HH:mm:ss



Test Results

Recovery:

5' M 100% M

Tool Sample: 100% M



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Devore 1-10 Dst 2

TIME ON: 10:17
TIME OFF: 17:24

Company L.D Drilling Inc Lease & Well No. Devore 1-10
Contractor Petromark Drilling Charge to L.D Drilling Inc
Elevation 1973 GL 1978 KB Formation LCK "J-K" Effective Pay _____ Ft. Ticket No. RR030
Date 05/07/2014 Sec. 10 Twp. 23 S Range 14 W County Staffot State KANSAS
Test Approved By Kurt Talbott Diamond Representative RICKY RAY

Formation Test No. 2 Interval Tested from 3670 ft. to 3715 ft. Total Depth 3715 ft.

Packer Depth 3665 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 3670 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3651 ft. Recorder Number 0062 Cap. 5000 P.S.I.

Bottom Recorder Depth (Outside) 3712 ft. Recorder Number 10285 Cap. 5000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 54 Drill Collar Length 116 ft. I.D. 2 1/4 in.

Weight 9 Water Loss 11.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 6900 P.P.M. Drill Pipe Length 3500 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 8 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NA Reversed Out NA Anchor Length 65 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: WSB Built to 3 1/4 inches in 30 mins WBB

2nd Open: 1/4" Blow Built to 8 1/4 inches in 45 mins NOBB

Recovered 32 ft. of GIP

Recovered 60 ft. of MCW 87% W 13% M

Recovered 60 ft. of HMCW 55% W 45% M Few Oil Specs

Recovered 120 ft. of Total Fluid Ph: 7

Recovered _____ ft. of _____ RW: .12 @ 101 Deg Price Job _____

Recovered _____ ft. of _____ Chlorides: 32000 PPM Other Charges _____

Remarks: _____ Insurance _____

TOOL SAMPLE: 100 % W Total _____

Time Set Packer(s) 12:26 PM A.M. P.M. Time Started Off Bottom 3:11 PM A.M. P.M. Maximum Temperature 104

Initial Hydrostatic Pressure..... (A) 1721 P.S.I.

Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 45 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 988 P.S.I.

Final Flow Period..... Minutes 45 (E) 53 P.S.I. to (F) 72 P.S.I.

Final Closed In Period..... Minutes 45 (G) 964 P.S.I.

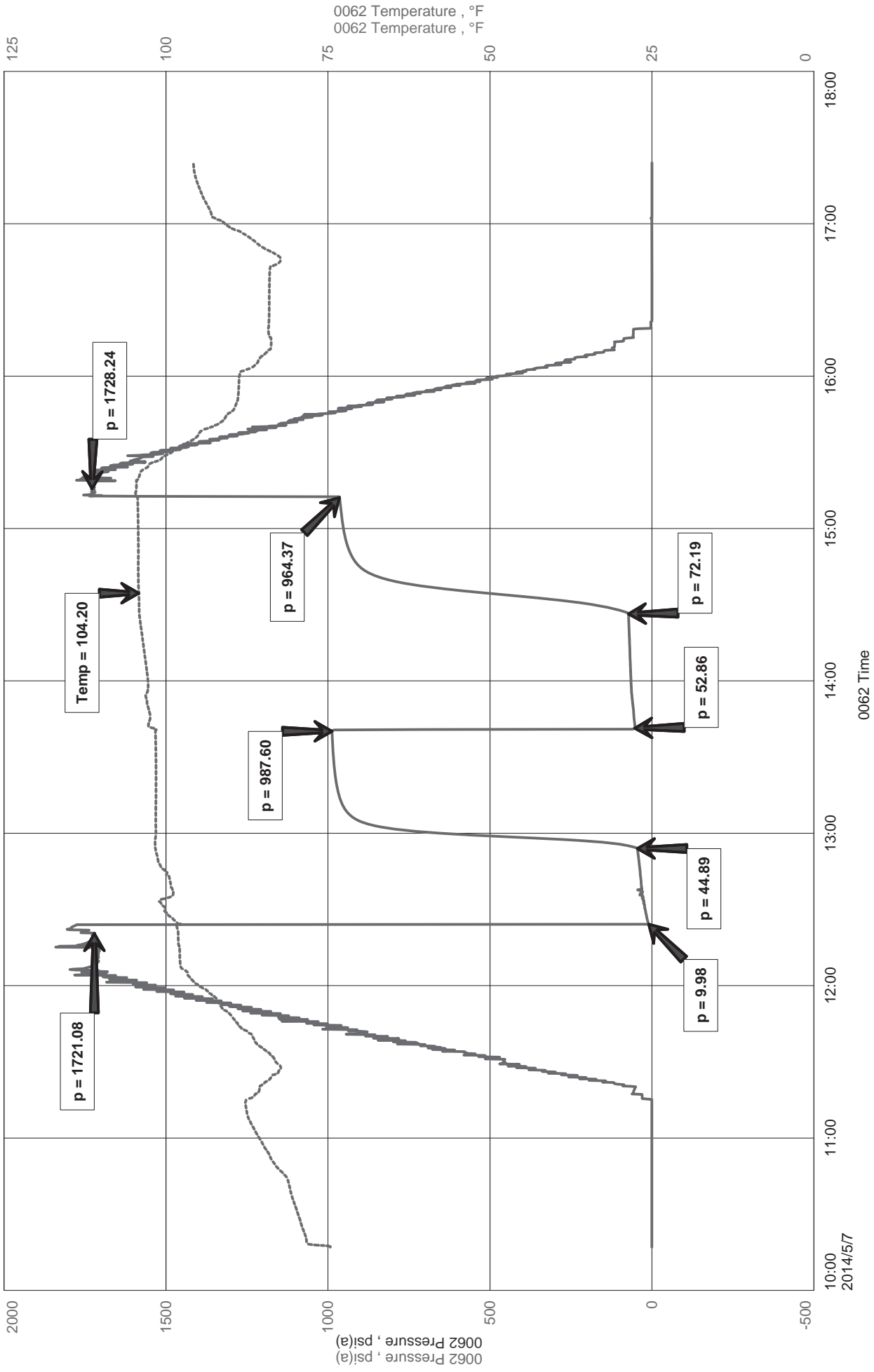
Final Hydrostatic Pressure..... (H) 1728 P.S.I.

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L.D Drilling Inc.
Dst 2 LKC 'J-K' (3670-3715)
Start Test Date: 2014/05/07
Final Test Date: 2014/05/07

Devore 1-10
Formation: Dst 2 LKC 'J-K' (3670-3715)
Pool: Infield
Job Number: RR030

Devore 1-10





Diamond Testing LLC

P.O. Box 157

HoisingtonKS 67544

Ricky Ray - Tester

(620) 617-7261

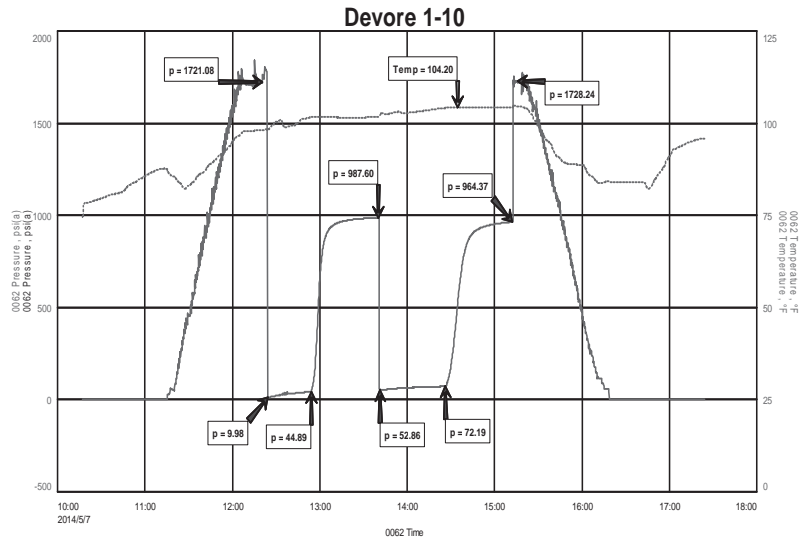
Wellsite Report

General Information

Company Name	L.D Drilling Inc.
Contact	L.D Davis
Well Operator	L.D Drilling
Well Name	Devore 1-10
Surface Location	Sec: 10-23s-14w
Field	Crissman North
Well Type	Vertical
Pool	Infield
Test Purpose (AEUB)	Initial Test
Qualified By	Kurt Talbott
Gauge Name	0062

Test Information

Job Number	RR030
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 2 LKC 'J-K' (3670-3715)
Start Test Date	2014/05/07 YYYY/MM/DD
Start Test Time	10:17:00 HH:mm:ss
Final Test Date	2014/05/07 YYYY/MM/DD
Final Test Time	17:24:00 HH:mm:ss



Test Results

Recovery:

32'	GIP			
60'	MCW	87% W	15% M	
60'	HMCW	55%W	45%M	Few Oil Specs
120'	Total Fluid			

RW: .12 @ 101 Deg
 Chlorides: 32000 PPM
 Ph: 7

Tool Sample: 100% W



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Devore 1-10 Dst 2

TIME ON: 00:22
TIME OFF: 18:19

Company L.D Drilling Inc Lease & Well No. Devore 1-10
Contractor Petromark Drilling Charge to L.D Drilling Inc
Elevation 1973 GL 1978 KB Formation simpson sand Effective Pay _____ Ft. Ticket No. RR031
Date 05/08/2014 Sec. 10 Twp. 23 S Range 14 W County Staffot State KANSAS
Test Approved By Kurt Talbott Diamond Representative RICKY RAY

Formation Test No. 3 Interval Tested from 3859 ft. to 3977 ft. Total Depth 3977 ft.
Packer Depth 3854 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3859 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3840 ft. Recorder Number 0062 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3974 ft. Recorder Number 10285 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 49 Drill Collar Length 116 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 12 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 8100 P.P.M. Drill Pipe Length 3500 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 8 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NA Reversed Out NA Anchor Length 65 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: WSB Built to 1/4 inch. Blow Died in 22 mins NOBB
2nd Open: NO Blow Flush tool 23 mins in. (Good Surge) NOBB

Recovered 52 ft. of M 100% M
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
Tool Sample: 1% <u>0</u> 99% <u>M</u>	Total

Time Set Packer(s) 1:59 PM A.M. Time Started Off Bottom 4:14 PM P.M. Maximum Temperature 105

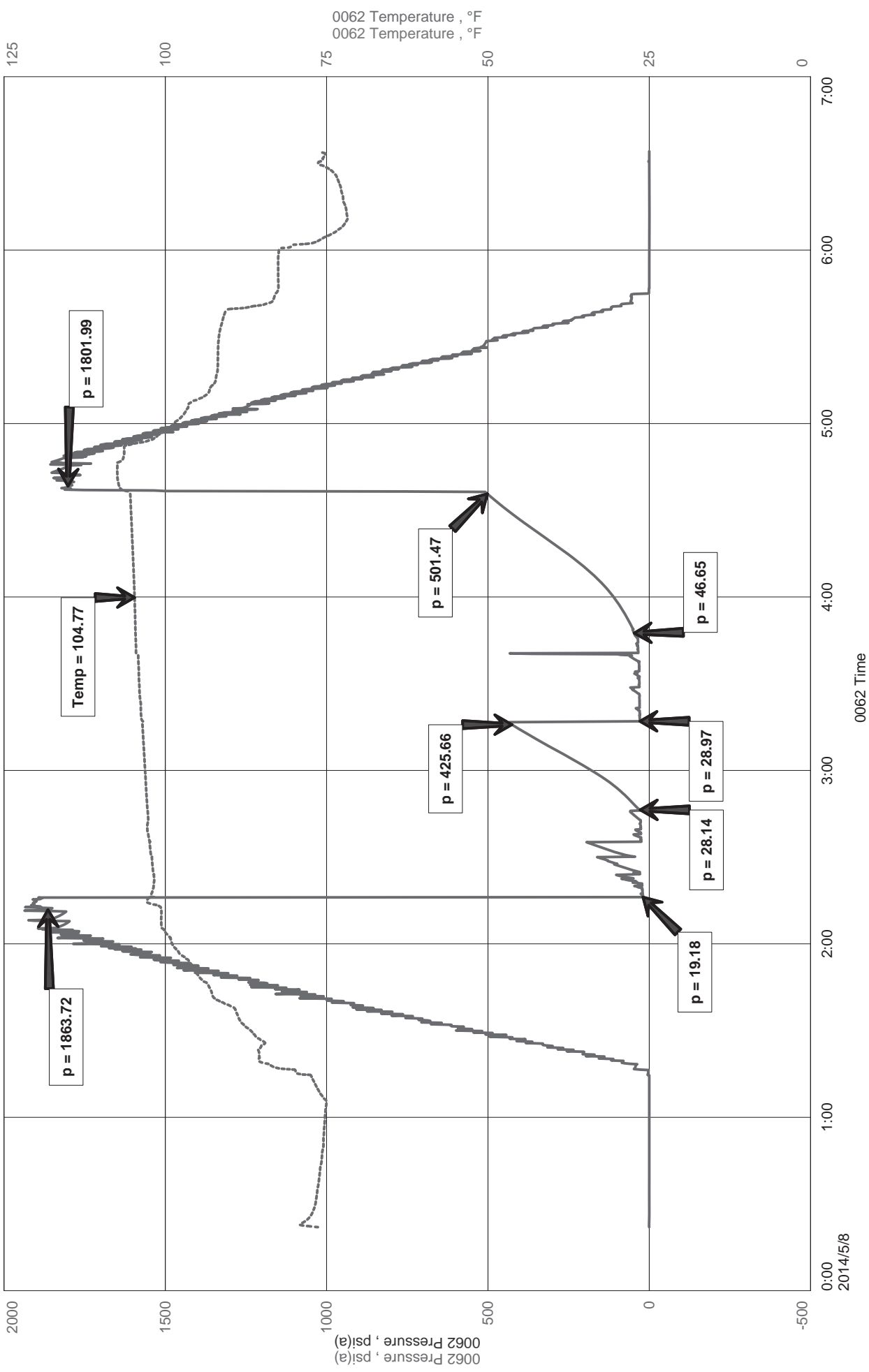
Initial Hydrostatic Pressure..... (A) 1864 P.S.I.
Initial Flow Period..... Minutes 30 (B) 19 P.S.I. to (C) 28 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 426 P.S.I.
Final Flow Period..... Minutes 30 (E) 29 P.S.I. to (F) 47 P.S.I.
Final Closed In Period..... Minutes 45 (G) 502 P.S.I.
Final Hydrostatic Pressure..... (H) 1802 P.S.I.

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L.D Drilling Inc
Dst 3 Simpson Sand (3859-3977)
Start Test Date: 2014/05/08
Final Test Date: 2014/05/08

Devore 1-10
Formation: Dst 3 Simpson Sand (3859-3977)
Pool: Infield
Job Number: RR031

Devore 1-10





Diamond Testing LLC

P.O. Box 157

HoisingtonKS 67544

Ricky Ray - Tester

(620) 617-7261

Wellsite Report

General Information

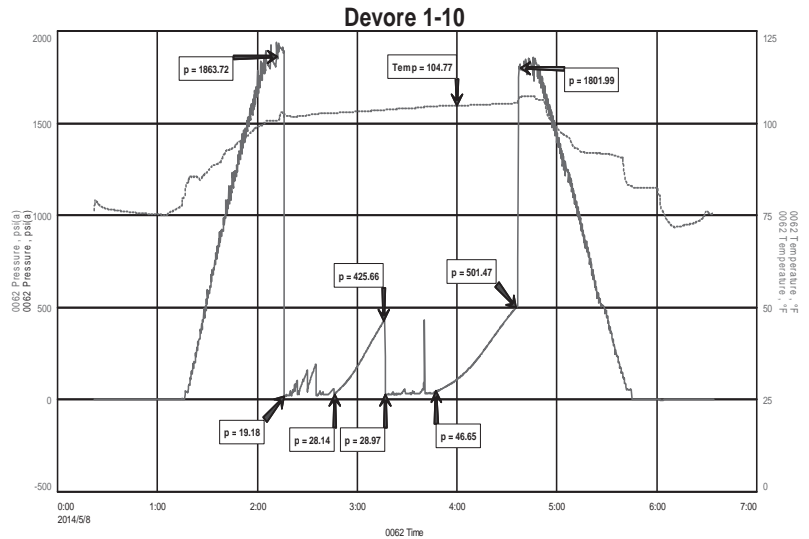
Company Name
Contact
Well Operator
Well Name
Surface Location
Field
Well Type
Pool
Test Purpose (AEUB)
Qualified By
Gauge Name

L.D Drilling Inc
L.D Davis
L.D Drilling
Devore 1-10
Sec: 10-23s-14W
Crissman North
Vertical
Infield
Initial Test
Kurt Talbott
0062

Test Information

Job Number
Test Type
Well Fluid Type
Formation
Start Test Date
Start Test Time
Final Test Date
Final Test Time

RR031
Drill Stem Test
01 Oil
Dst 3 Simpson Sand (3859-3977)
2014/05/08 YYYY/MM/DD
00:22:00 HH:mm:ss
2014/05/08 YYYY/MM/DD
18:19:00 HH:mm:ss



Test Results

Recovery:

52' M 100% M Few Oil Specs

Tool Sample: 1% M 99% O



Geologist's Report

Company: L. D. Drilling, Inc
 Lease: Devore #1-10
 Field: Crissman North
 Surface Location: SE-NE-NW-NW (404' FNL & 1029' FWL)
 Sec: 10 Twp: 23S Rge: 14W
 County: Stafford State: Kansas
 GL: 1973' KB: 1978'

Contractor: Petromark Drilling Rig #2
 Spud: 5/1/14 Comp: 5/9/14
 RTD: 4075' LTD: 4072'
 Mud Up: +/- 3100' Mud Type: Chemical Displaced

Drilling Time Kept From: 3300' to RTD
 Samples Saved From: 3300' to RTD
 Samples Examined: 3300' to RTD
 Geological Supervision: 3500' to RTD
 Geologist on Well: Kurt Talbott

Surface Casing: 8 5/8" @ 328'
 Production Casing: 5 1/2" @

Wireline Logs: By Pioneer: DCP, DIL, MEL

Well Comparison 25

WELL BEING DRILLED		LD DRILLING		OFFSET	
DEVORE #1-10		DEVORE #1-10		DEVORE #1	
1973 GL 1978 KB		1973 GL 1978 KB		1971 KB	
FORMATION	LOG	SS	SS	MD	SS
ANHYDRITE	879	1099			
BASE ANHYDRITE	897	1081			
HEEBNER	3412	-1434		3406	-1435
TORONTO	3430	-1442			
BROWN LIME	3542	-1564			
LANSING	3556	-1578		3552	-1581
BASE KC	3782	-1804		2781	-1810
VIOLA	3909	-1931		3886	-1915
SIMPSON	3944	-1966		3945	-1974
SIMPSON SAND	3961	-1983		3956	-1985
ARBUCKLE	3996	-2018		4000	-2029
TOTAL DEPTH	4072	-2094		4005	-2034

ROCK TYPES

- Cht Dolprim
- Lmst fw<7 shale, gry
- shale, red
- Shcol
- Ss

OTHER SYMBOLS

EVENTS

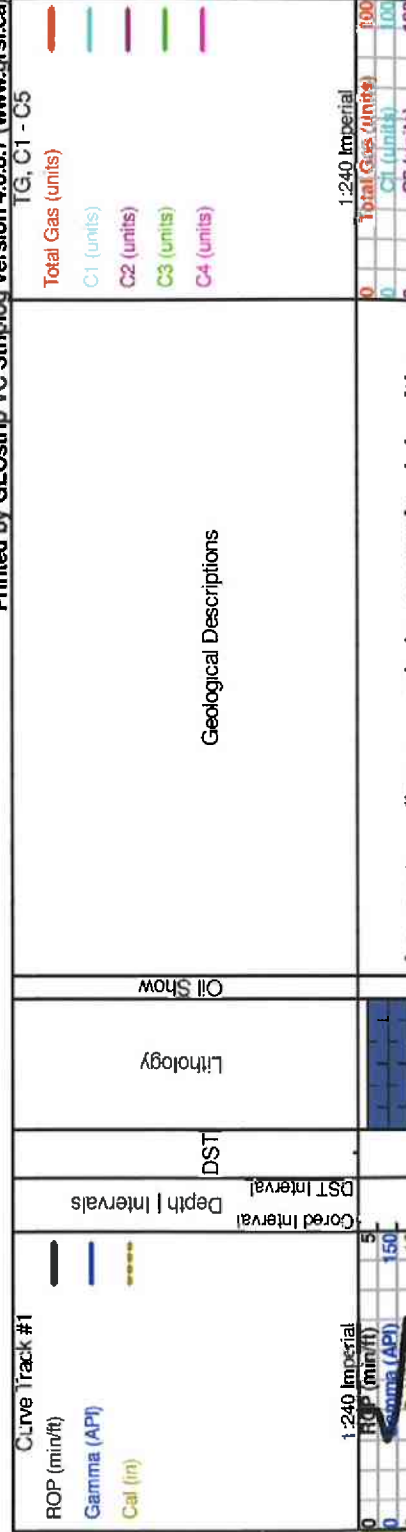
- J1 Casing Shoe
- RTF
- Sidewall
- Left Casing Shoe
- Right Casing Shoe

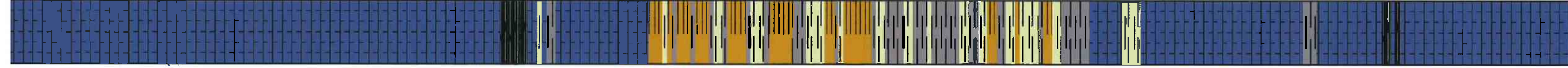
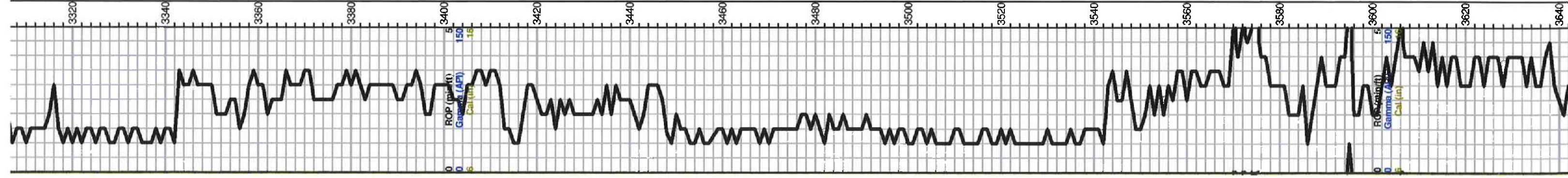
INTERVALS

- Core
- DST

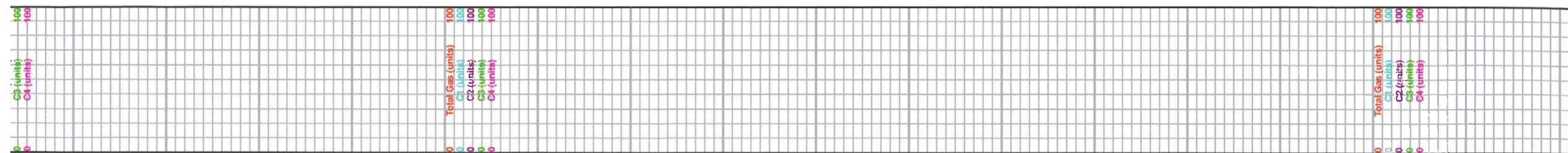
DST

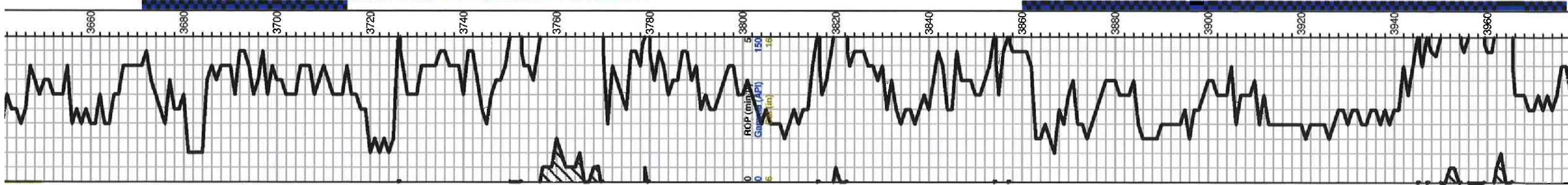
- DST Int
- DST alt





A/A	
Ls-crm/wht, fxln, dense, slightly dolomitic, poor vis por, Stains?? NSFO, no odor	
A/A Chert-tan/buff	
Ls-wht/crm, fxln, dense, slightly dolomitic, cherty in part, slightly chalky	
Ls-tan/lt gry, fxln, fossils, dense, poor vis por, cherty in part, slightly chalky	
A/A chert-tan/gry	
Heebner 3412.0 (-1434.0) -1434.0	
Black carbon shale	
Toronto 3432.0 (-1444.0) -1442.0	
Ls-wht/crm, f-med xln, granular, slightly dolomitic, poor ppt por, trace spotty stains, NSOF, chalky	
Douglas 3448.0 (-1470.0) -1468.0	
Shale-brown/green/grey	
A/A firm	
Shale-gry/grm/maroon, firm	
A/A	
Brown Lime 3542.0 (-1564.0) -1564.0	
Ls-tan/buff, fxln, dense, poor vis por	
Lansing 3555.0 (-1577.0) -1578.0	
Ls-wht/crm, fxln, fossils/ool, poor vis por, dnese,	
Ls-crm/tan, fxln, ool, poor to fair oom por, no vis stains, slightly chalky, chert-tan/crm	
Ls-crm/tan,fxln, ool, poor scattered oom to sub oom por, no vis shows, chalky	
Ls-tan/crm, fln, ool, scattered sub oom por, Trace black carbon shale	
Ls-crm/tan, fxln, highly ool, dense, poor vis por, cherty in part	
Ls-crm/tan, fxln, ool, poor vis por, chalky	
Ls-crm/wht, fxln, ool, poor scattered por, no vis shows,	





A/A slightly chalky

Ls-crm/wht, fxln, ool, oom, fair oom por, scattered dark brown stains, TrSFO, faint odor slightly chalky

Ls-crm/wht/tan, fxln, ool, poor sub oom to iner ool por, trace dark brown to black stains, TrSFO, faint odor

Ls-wht/crm, fxln, ool, poor to fair oom to finely vug por, dark to black staining, SFO, faint odor, slightly chalky

Ls-tan/crm, fxln, ool, poor ppt to iner ool por, scattered golden to dark brown stains, SFO, fair odor, slightly chalky, chert-tan/crm

Ls-buff/tan, fxln, dense, poor vis por

Ls-crm/lt gry, fxln, ool, scattered sub oom por, Trace stains, NSFO, shalek brown/green

Base KC 3781.0 (-1803.0) -1804.0

Shale- brown/green A/A

A/A

is-gry/tan, fxln, dense, poor vis por, cherty in part, Shale-maroon/grm/gry

Shale and LS A/A

Ls-wht/lt gry, fxln glauconitic in part, poor vis por, Shale- red/brown/green

Shale-red/brown A/A

Chert-boney wht/tan

A/A Shale-turq/brown

Viola 3905.0 (-1927.0) -1931.0

Chert-tan/wht, scattered tripolitic por, mostly fresh, scattered black stains, Gassy odor, NSFO,

Chert-tan/wht/buff, trip por, scattered dark brown to black stains, TrSFO, odor

A/A

Shale-turq/green/maroon

Simpson Sand 3961.0 (-1966.0) -1983.0

Sand-very fine to fine grained, poor to fair iner gran por, Golden brown stains to saturated, SFO, good odor

DST #1 3670-3715
30-30-30-30
IF: Surface blow died in 13 min

Recovery:
5' Mud

Pressures:
ISIP 27 psi
FSIP 33 psi
IFP 8-27 psi
FFP 14-19 psi
HSH 1687-1676 psi

DST #2 3712-3777
30-45-45-45
IF: Built to 3 1/4"

Recovery: 3
32' Gas In Pipe
60' MCW (87w 13m)
60' HMCW (55w 45m)

Pressures:
ISIP 988 psi
FSIP 964 psi
IFP 10-45 psi
FFP 53-72 psi
HSH 1721-1728 psi

Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100

DST #3 3859-3977
30-30-30-45
IF: 1/4" Died in 22 minutes

Recovery:
52' Mud with few oil spots

Pressures:
ISIP 426 psi
FSIP 502 si
IFP 19-28 psi
FFP 29-47 psi
HSH 1864-1802 psi



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 09675 A

DATE _____ TICKET NO. _____

DATE OF JOB 5-9-14 DISTRICT Pratt		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 LD Drilling		LEASE Devore 1-10 WELL NO.							
ADDRESS		COUNTY STAFFORD STATE KS							
CITY STATE		SERVICE CREW KE, JOE, ED, DUNE							
AUTHORIZED BY		JOB TYPE: CNW - LONGSTRING							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
19889-19843	30min						5-9-14	AM	1800
70959-19919	30min					ARRIVED AT JOB		AM	1800
28443						START OPERATION		AM	2100
						FINISH OPERATION		AM	2130
						RELEASED		AM	2230
						MILES FROM STATION TO WELL			30

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 104	50/50 POZ	SK	200		2200.00
CP 104	50/50 POZ	S/S	30		330.00
CC 102	Celloflake	lb	58		214.60
CC 113	Gypsum	lb	970		227.50
CC 129	FLA-322	lb	97		227.50
CC 201	Gilsonite	lb	1380		924.60
C 700	Potassium Chloride	lb	523		924.50
CF 606	Latch Down Plug	eq	1		370.00
CF 1250	Auto fill shoe	eq	1		330.00
CF 1650	Turbolizer	eq	6		510.00
CF 2000	Cement Scratchers	eq	5		350.00
C 704	Claymax	gal	3		105.00
CC 151	mud flush	gal	1000		1500.00
E 100	Pickup mileage	mi	30		127.50
E 101	Heavy mileage	mi	60		420.00
E 113	Bulk Delivery	Tm	291		640.20
CE 205	Depth Charge	4hr	1		2520.00
CE 240	Mix Charge	SK	280		322.00
CE 504	Plug container	JOB	1		250.00
S 003	Supervisor	eq	1		175.00
SUB TOTAL					10,281.58
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	5-9-14	
Lease	DEVORE		Well #	1-10			
Field Order #	Station	Casing	Depth	County	State		
9675	PRATT, KS	4 1/2	4072	STAFFORD	KS		
Type Job	CNW - LOW STRENGTH		Formation	TD-4075	Legal Description	10-23-14	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
4 1/2								5 Min.
Depth 4072	Depth	From	To	Pre Pad	Max			
Volume 64.5	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 4058	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative	SM460	Station Manager	KEVIN	Treater	CONROY
Service Units	19907 28443	19889-19843	70959-19918		
Driver Names	KG	JOE	ETI	DAVE	

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
1800					ON LOCATION 12'-SJ RUN 4072' 4 1/2" 10.5" ISG. 97-JKS FRONT SITE, WASH BAFFLES 1 st COLLAR PENT - 2-3-4-6-8-10 SCRATCHER - 3-4 REPT.
2000					TAG. BOTTOM - DROP BALL - CALCULATE RECIPROCATATE CASINGS
2100	206		5	6	PUMP 5 bbl. H ₂ O
			24	6	PUMP 24 bbl MANUFUSHA
			5	6	PUMP 5 bbl H ₂ O
	200		48	6	PUMP 200 SK 50/50 POZ 2% GEL, 5% CAPSUM, 5% HCL, 6 1/8" CARBONATE, 1/4 1/8" CELLFIBRE, 1/2% FUA-322 14.0 ppq, 1.35 cc/sk
2115	100		0	6	STOP - WASH LINE - DROP PLUG
	200		44	6	START DISP W/ 2% HCL H ₂ O
	400		60	4	LIFT CEMENT
2130	1500		64.5		SLOW RATE PLUG DOWN - HOLD PLUG RAT HOLE - 30 SK 50/50 POZ JOB COMPLETE - KEVIN



Petromark Drilling

PIPE TALLY

TD-4075'
LTD-4072'

CUSTOMER LD DRILL DATE _____

CARRIER DEVORE #1-10 /B.L.# _____ CUST. ORDER NO. _____

STORE LOCATION _____ P.O.# _____ LOCATION: _____

SIZE _____ WT. _____ GRADE _____ MILL _____ RANGE _____ THREAD _____

Run 97 Jts. - 4072'

No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.
1	42	82	26	42	46	51	42	85	76	38	20	101			126			151			176		
2	42	85	27	42	45	52	42	85	77	42	43	102			127			152			177		
3	42	83	28	42	15	53	42	82	78	42	84	103			128			153			178		
4	42	85	29	42	83	54	39	02	79	42	86	104			129			154			179		
5	42	08	30	42	83	55	42	84	80	39	24	105			130			155			180		
6	42	80	31	42	84	56	42	83	81	42	82	106			131			156			181		
7	42	83	32	41	05	57	42	83	82	42	85	107			132			157			182		
8	42	83	33	42	86	58	42	82	83	42	85	108			133			158			183		
9	42	85	34	42	87	59	39	15	84	42	83	109			134			159			184		
10	42	83	35	42	84	60	42	84	85	42	82	110			135			160			185		
11	42	81	36	42	83	61	41	45	86	42	83	111			136			161			186		
12	41	96	37	42	82	62	42	85	87	42	84	112			137			162			187		
13	42	84	38	42	83	63	42	81	88	42	85	113			138			163			188		
14	39	10	39	39	92	64	42	83	89	42	83	114			139			164			189		
15	42	85	40	42	84	65	42	85	90	39	65	115			140			165			190		
16	42	86	41	39	06	66	42	83	91	42	85	116			141			166			191		
17	42	83	42	42	83	67	42	81	92	42	85	117			142			167			192		
18	42	82	43	42	84	68	39	07	93	39	07	118			143			168			193		
19	42	83	44	42	85	69	42	86	94	42	06	119			144			169			194		
20	42	85	45	42	86	70	42	03	95	42	87	120			145			170			195		
21	42	83	46	42	85	71	42	15	96	42	85	121			146			171			196		
22	42	84	47	42	83	72	42	86	97	42	85	122	out		147			172			197		
23	42	26	48	42	84	73	42	13	98	42	84	123	out		148			173			198		
24	42	83	49	39	10	74	42	21	99	12	25	124	SHOE		149			174			199		
25	42	84	50	42	84	75	41	75	100	13	03	125	out		150			175			200		
Total																							

SET 4 1/2" - 4070'
PLUG IN - 4060'
RECD. SCRAPER
3996, 3986, 3976,
3966, 3956
TURBOLIZER
4018, 3976, 3934,
3850, 3766, 3682
SAMPSON DST
3950 - 3977

NO. JOINTS 100

TALLIED BY _____

FOOTAGE _____

TOTAL 4170.84 FT.

RECEIVED BY _____

Customer <i>LA PRUDENCE, INC</i>	Lease No. <i>DEVORE</i>	Date <i>5-2-14</i>
Lease <i>DEVORE</i>	Well # <i>1-10</i>	
Field Order #	Station <i>PRATT, KS</i>	Casing <i>8 5/8</i>
Type Job <i>NEW SURFACE</i>	Depth <i>320</i>	County <i>STAFFORD</i>
	Formation <i>TD-328</i>	State <i>KS</i>
		Legal Description <i>10-23-14</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>8 5/8</i>	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth <i>320</i>	Depth	From	To	Pre Pad	Max			5 Min.
Volume	Volume	From	To	Pad	Min			10 Min.
Max Press	Max Press	From	To	Frac	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative <i>SHYLO</i>	Station Manager <i>WELDON</i>	Treater <i>COMLEY</i>
Service Units <i>19907</i>	<i>-20920</i>	<i>19959-73768</i>
Driver Names <i>IDS</i>	<i>WCCORAU</i>	<i>COLE</i>

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
<i>0330</i>					<i>ON LOCATION</i>
					<i>RUN 320' 8 5/8 CSC 8-JTS</i>
					<i>BREAK CIRC.</i>
					<i>MIX CEMENT</i>
<i>0030</i>	<i>200</i>	<i>76</i>	<i>4</i>	<i>6</i>	<i>175 SIL A-COM CEMENT</i>
	<i>100</i>	<i>37</i>	<i>6</i>	<i>6</i>	<i>3% CC, 1/4 #/K CELLFILL</i>
		<i>0</i>			<i>175 SIL COMMON CEMENT</i>
					<i>2% CC, 1/4 #/K CELLFILL</i>
					<i>DROP PLUG</i>
		<i>0</i>	<i>90</i>	<i>6</i>	<i>START DISP.</i>
<i>0100</i>	<i>200</i>	<i>19</i>	<i>6</i>	<i>6</i>	<i>PLUG DOWN</i>
					<i>CONC. SIL CEMENT TO PET</i>
<i>0200</i>					<i>JOB COMPLETE - WELDON</i>