

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 Geologist Report / Mud Logs <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
--	---

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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio 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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	---	------------------------------------

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	COUSE 1-30
Doc ID	1410253

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
4	3505	3509	CIBP Cast Iron Bridge Plug	3550	500 gal 10% HCL Acid
2	3488	3490			2800 gal 20% HCL Acid
6	3462	3468			
4	3266	3270			
2	3214	3216			
4	3575	3584			



Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc -
 Rig 1
 Elevation: 2054 EGL
 Field Name: Ordway West
 Pool: Infield
 Job Number: 127

DATE
April
25
2018

DST #1 **Formation: Topeka** **Test Interval: 3205 - 3230'** **Total Depth: 3230'**

Time On: 13:10 04/25 Time Off: 19:52 04/25
 Time On Bottom: 14:54 04/25 Time Off Bottom: 17:54 04/25

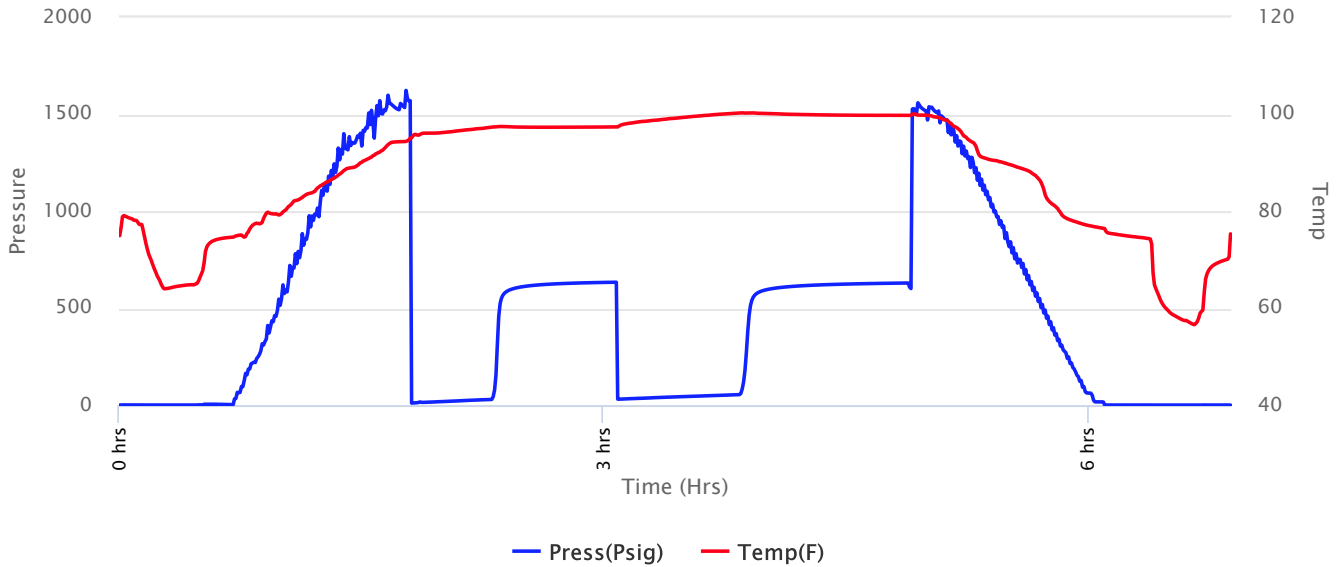
Electronic Volume Estimate:
116'

1st Open
Minutes: 30
6.7" at 30 min

1st Close
Minutes: 45
0" at 45 min

2nd Open
Minutes: 45
7.2" at 45 min

2nd Close
Minutes: 60
0" at 60 min





Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc -
 Rig 1
 Elevation: 2054 EGL
 Field Name: Ordway West
 Pool: Infield
 Job Number: 127

DATE
 April
25
 2018

DST #1 **Formation: Topeka** **Test Interval: 3205 - 3230'** **Total Depth: 3230'**

Time On: 13:10 04/25 Time Off: 19:52 04/25
 Time On Bottom: 14:54 04/25 Time Off Bottom: 17:54 04/25

Recovered

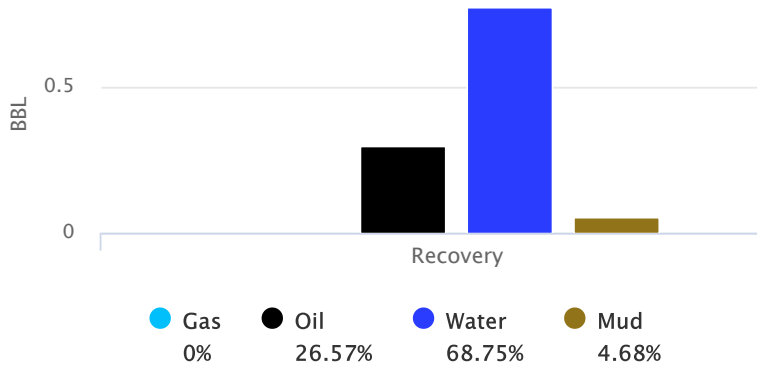
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
15	0.1539	O	0	100	0	0
30	0.3078	SLMCHOCW	0	47	51	2
65	0.6669	SLMCW (trace O)	0	.2	92.8	7

Total Recovered: 110 ft
 Total Barrels Recovered: 1.1286

Reversed Out
 NO

Initial Hydrostatic Pressure	1535	PSI
Initial Flow	11 to 30	PSI
Initial Closed in Pressure	635	PSI
Final Flow Pressure	32 to 55	PSI
Final Closed in Pressure	631	PSI
Final Hydrostatic Pressure	1531	PSI
Temperature	101	°F
Pressure Change Initial Close / Final Close	0.6	%

Recovery at a glance





Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2054 EGL
Field Name: Ordway West
Pool: Infield
Job Number: 127

<p>DATE April 25 2018</p>

DST #1 **Formation: Topeka** **Test Interval: 3205 - 3230'** **Total Depth: 3230'**

Time On: 13:10 04/25

Time Off: 19:52 04/25

Time On Bottom: 14:54 04/25

Time Off Bottom: 17:54 04/25

REMARKS:

IF: 6 1/4 inch blow

ISI: No BB

FF: 7 inch blow

FSI: No BB

We slid about 3 to 4 feet when setting tool

TOOL SAMPLE: TR. OIL, 100% WATER

Gravity: 31.7 @ 60 degrees F

Ph: 6.0

RW: .11 @ 66 degrees F

Chlorides: 75,000 ppm



Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc -
 Rig 1
 Elevation: 2054 EGL
 Field Name: Ordway West
 Pool: Infield
 Job Number: 127

DATE April 25 2018

DST #1 **Formation: Topeka** **Test Interval: 3205 - 3230'** **Total Depth: 3230'**

Time On: 13:10 04/25 Time Off: 19:52 04/25
 Time On Bottom: 14:54 04/25 Time Off Bottom: 17:54 04/25

Down Hole Makeup

Heads Up: 11.31 FT	Packer 1: 3200 FT
Drill Pipe: 3183.74 FT <i>ID-3 1/4</i>	Packer 2: 3205 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3189.42 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 3207 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 25	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 0 FT <i>4 1/2-FH</i>	
Change Over: 0 FT	
Drill Pipe: (in anchor): 0 FT <i>ID-3 1/4</i>	
Change Over: 0 FT	
Perforations: (below): 24 FT <i>4 1/2-FH</i>	



Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2054 EGL
Field Name: Ordway West
Pool: Infield
Job Number: 127

<p>DATE April 25 2018</p>

DST #1 **Formation: Topeka** **Test Interval: 3205 - 3230'** **Total Depth: 3230'**
Time On: 13:10 04/25 Time Off: 19:52 04/25
Time On Bottom: 14:54 04/25 Time Off Bottom: 17:54 04/25

Mud Properties

Mud Type: Chemical **Weight:** 9.0 **Viscosity:** 60 **Filtrate:** 6.2 **Chlorides:** 5,900 ppm



Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc -
 Rig 1
 Elevation: 2054 EGL
 Field Name: Ordway West
 Pool: Infield
 Job Number: 127

DATE
April
26
2018

DST #2 **Formation: Toronto** **Test Interval: 3250 - 3282'** **Total Depth: 3282'**

Time On: 03:26 04/26 Time Off: 10:27 04/26
 Time On Bottom: 05:37 04/26 Time Off Bottom: 08:37 04/26

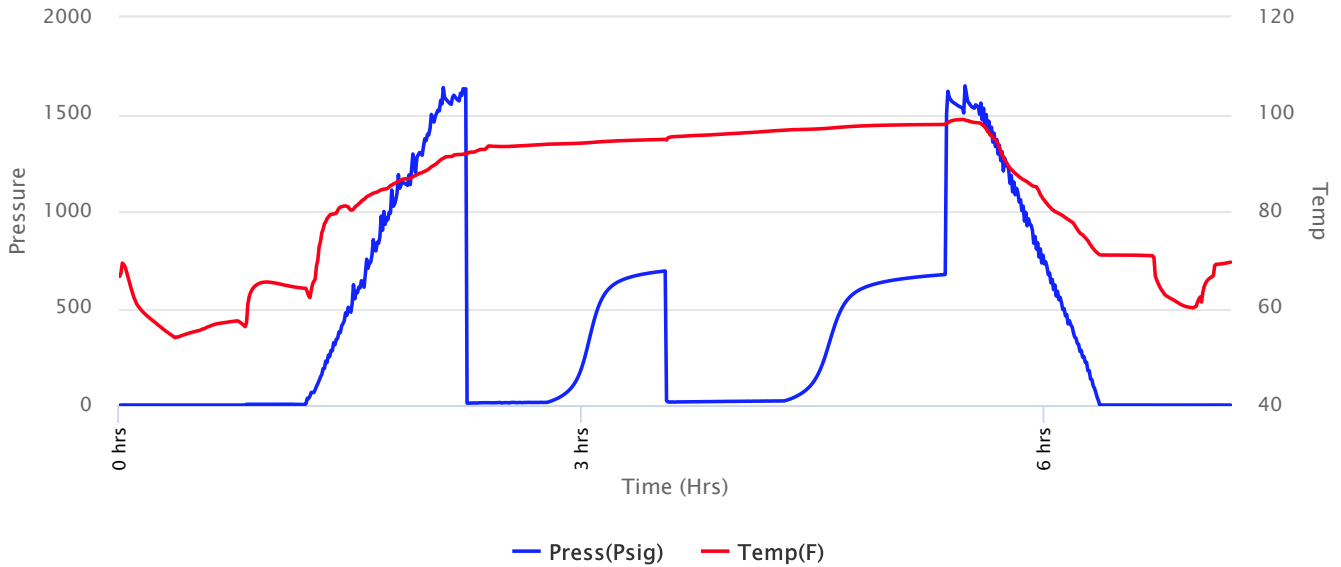
Electronic Volume Estimate:
89'

1st Open
Minutes: 30
3.7" at 30 min

1st Close
Minutes: 45
0" at 45 min

2nd Open
Minutes: 45
6.7" at 45 min

2nd Close
Minutes: 60
0" at 60 min





Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc - Rig 1
 Elevation: 2054 EGL
 Field Name: Ordway West
 Pool: Infield
 Job Number: 127

DATE
 April
26
 2018

DST #2 **Formation: Toronto** **Test Interval: 3250 - 3282'** **Total Depth: 3282'**

Time On: 03:26 04/26 Time Off: 10:27 04/26
 Time On Bottom: 05:37 04/26 Time Off Bottom: 08:37 04/26

Recovered

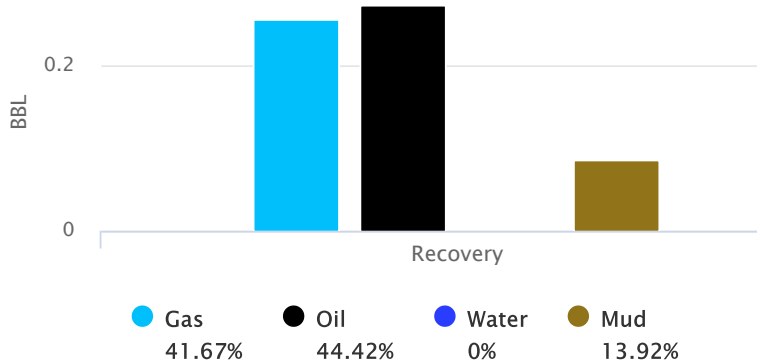
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
25	0.2565	G	100	0	0	0
5	0.0513	SLMCO	0	89	0	11
30	0.3078	MCO	0	74	0	26

Total Recovered: 60 ft
 Total Barrels Recovered: 0.6156

Reversed Out
 NO

Initial Hydrostatic Pressure	1569	PSI
Initial Flow	11 to 15	PSI
Initial Closed in Pressure	693	PSI
Final Flow Pressure	17 to 25	PSI
Final Closed in Pressure	675	PSI
Final Hydrostatic Pressure	1568	PSI
Temperature	98	°F
Pressure Change Initial Close / Final Close	2.6	%

Recovery at a glance





Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2054 EGL
Field Name: Ordway West
Pool: Infield
Job Number: 127

<p>DATE April 26 2018</p>

DST #2 **Formation: Toronto** **Test Interval: 3250 - 3282'** **Total Depth: 3282'**

Time On: 03:26 04/26

Time Off: 10:27 04/26

Time On Bottom: 05:37 04/26

Time Off Bottom: 08:37 04/26

REMARKS:

IF: 3 3/4 inch blow

ISI: No BB

FF: 6 1/2 inch blow

FSI: No BB

TOOL SAMPLE: 68% OIL, 32% MUD

Gravity: 30.5 @ 60 degrees F



Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc -
 Rig 1
 Elevation: 2054 EGL
 Field Name: Ordway West
 Pool: Infield
 Job Number: 127

DATE April 26 2018

DST #2 **Formation: Toronto** **Test Interval: 3250 - 3282'** **Total Depth: 3282'**

Time On: 03:26 04/26 Time Off: 10:27 04/26
 Time On Bottom: 05:37 04/26 Time Off Bottom: 08:37 04/26

Down Hole Makeup

Heads Up: 28.41 FT	Packer 1: 3245 FT
Drill Pipe: 3245.84 FT <i>ID-3 1/4</i>	Packer 2: 3250 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3234.42 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 3252 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 32	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 0 FT <i>4 1/2-FH</i>	
Change Over: 0 FT	
Drill Pipe: (in anchor): 0 FT <i>ID-3 1/4</i>	
Change Over: 0 FT	
Perforations: (below): 31 FT <i>4 1/2-FH</i>	



Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2054 EGL
Field Name: Ordway West
Pool: Infield
Job Number: 127

<p>DATE April 26 2018</p>

DST #2 **Formation: Toronto** **Test Interval: 3250 - 3282'** **Total Depth: 3282'**

Time On: 03:26 04/26 Time Off: 10:27 04/26
Time On Bottom: 05:37 04/26 Time Off Bottom: 08:37 04/26

Mud Properties

Mud Type: Chemical **Weight:** 9.0 **Viscosity:** 60 **Filtrate:** 6.2 **Chlorides:** 5,900 ppm



Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc - Rig 1
 Elevation: 2054 EGL
 Field Name: Ordway West
 Pool: Infield
 Job Number: 127

DATE
 April
26
 2018

DST #3 **Formation: Lansing "B-D"** **Test Interval: 3313 - 3355'** **Total Depth: 3355'**
 Time On: 21:37 04/26 Time Off: 04:31 04/27
 Time On Bottom: 23:49 04/26 Time Off Bottom: 02:49 04/27

Recovered

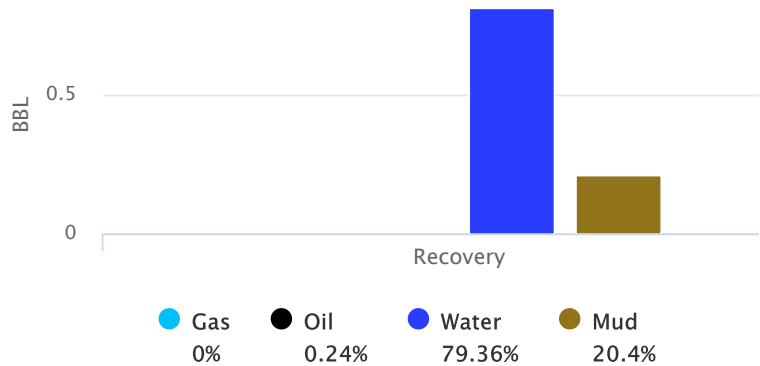
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
40	0.4104	HMCW (trace O)	0	.3	69.7	30
60	0.6156	SLMCW (trace O)	0	.2	85.8	14

Total Recovered: 100 ft
 Total Barrels Recovered: 1.026

Reversed Out
 NO

Initial Hydrostatic Pressure	1587	PSI
Initial Flow	11 to 32	PSI
Initial Closed in Pressure	547	PSI
Final Flow Pressure	34 to 59	PSI
Final Closed in Pressure	522	PSI
Final Hydrostatic Pressure	1584	PSI
Temperature	99	°F
Pressure Change Initial Close / Final Close	4.6	%

Recovery at a glance





Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc -
 Rig 1
 Elevation: 2054 EGL
 Field Name: Ordway West
 Pool: Infield
 Job Number: 127

DATE
April
27
2018

DST #4 Formation: LKC "G" Test Interval: 3365 - 3380' Total Depth: 3380'

Time On: 10:18 04/27 Time Off: 17:32 04/27
 Time On Bottom: 12:28 04/27 Time Off Bottom: 15:28 04/27

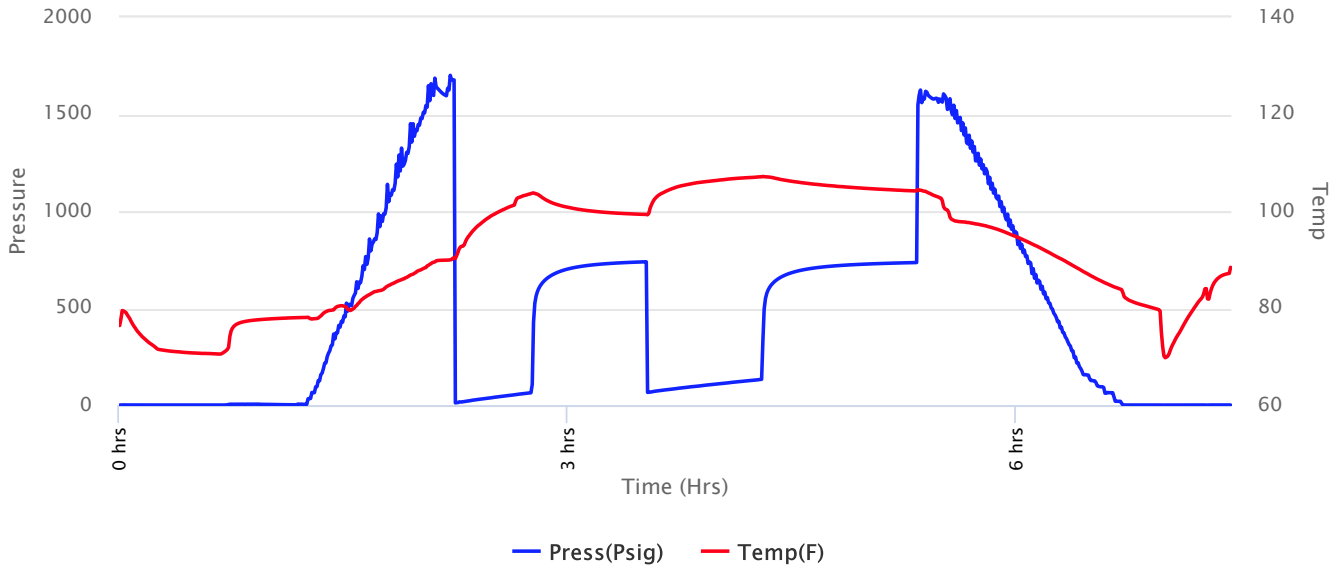
Electronic Volume Estimate:
254'

1st Open
Minutes: 30
12.6" at 30 min

1st Close
Minutes: 45
0" at 45 min

2nd Open
Minutes: 45
16.7" at 45 min

2nd Close
Minutes: 60
0" at 60 min





Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc - Rig 1
 Elevation: 2054 EGL
 Field Name: Ordway West
 Pool: Infield
 Job Number: 127

DATE
 April
27
 2018

DST #4 **Formation: LKC "G"** **Test Interval: 3365 - 3380'** **Total Depth: 3380'**

Time On: 10:18 04/27 Time Off: 17:32 04/27
 Time On Bottom: 12:28 04/27 Time Off Bottom: 15:28 04/27

Recovered

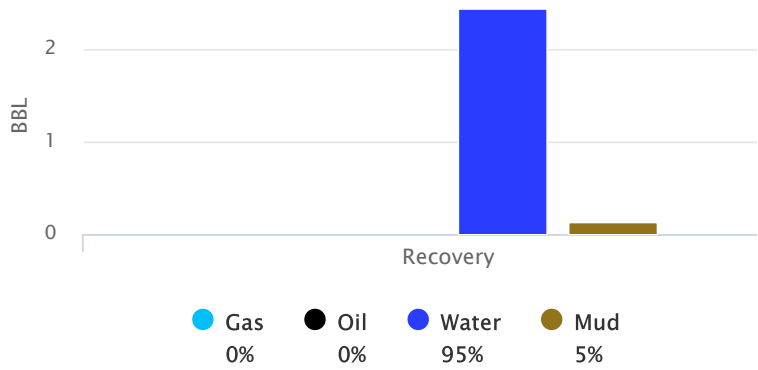
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
250	2.565	SLMCW	0	0	95	5

Total Recovered: 250 ft
 Total Barrels Recovered: 2.565

Reversed Out
 NO

Initial Hydrostatic Pressure	1596	PSI
Initial Flow	12 to 65	PSI
Initial Closed in Pressure	740	PSI
Final Flow Pressure	67 to 134	PSI
Final Closed in Pressure	736	PSI
Final Hydrostatic Pressure	1587	PSI
Temperature	108	°F
Pressure Change Initial Close / Final Close	0.5	%

Recovery at a glance





Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2054 EGL
Field Name: Ordway West
Pool: Infield
Job Number: 127

<p>DATE April 27 2018</p>

DST #4 Formation: LKC "G" Test Interval: 3365 - Total Depth: 3380'
3380'

Time On: 10:18 04/27 Time Off: 17:32 04/27
Time On Bottom: 12:28 04/27 Time Off Bottom: 15:28 04/27

REMARKS:

IF: BOB 27 1/2 min.
ISI: Very weak surface BB
FF: BOB 32 min.
FSI: Very weak surface BB

TOOL SAMPLE: 11% OIL, 67% WATER, 22% MUD

Ph: 6.0

RW: .07 @ 86 degrees F

Chlorides: 94,000 ppm



Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc -
 Rig 1
 Elevation: 2054 EGL
 Field Name: Ordway West
 Pool: Infield
 Job Number: 127

DATE April 27 2018

DST #4 Formation: LKC "G" Test Interval: 3365 - 3380' Total Depth: 3380'

Time On: 10:18 04/27 Time Off: 17:32 04/27
 Time On Bottom: 12:28 04/27 Time Off Bottom: 15:28 04/27

Down Hole Makeup

Heads Up: 6.89 FT	Packer 1: 3360 FT
Drill Pipe: 3339.32 FT <i>ID-3 1/4</i>	Packer 2: 3365 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3349.42 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 3367 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 15	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 0 FT <i>4 1/2-FH</i>	
Change Over: 0 FT	
Drill Pipe: (in anchor): 0 FT <i>ID-3 1/4</i>	
Change Over: 0 FT	
Perforations: (below): 14 FT <i>4 1/2-FH</i>	



Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2054 EGL
Field Name: Ordway West
Pool: Infield
Job Number: 127

<p>DATE April 27 2018</p>

DST #4 **Formation: LKC "G"** **Test Interval: 3365 - 3380'** **Total Depth: 3380'**

Time On: 10:18 04/27 Time Off: 17:32 04/27
Time On Bottom: 12:28 04/27 Time Off Bottom: 15:28 04/27

Mud Properties

Mud Type: Chemical **Weight:** 9.1 **Viscosity:** 62 **Filtrate:** 6.0 **Chlorides:** 9,100 ppm



Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc -
 Rig 1
 Elevation: 2054 EGL
 Field Name: Ordway West
 Pool: Infield
 Job Number: 127

DATE
April
27
2018

DST #4 **Formation: LKC "G"** **Test Interval: 3365 - 3380'** **Total Depth: 3380'**

Time On: 10:18 04/27 Time Off: 17:32 04/27
 Time On Bottom: 12:28 04/27 Time Off Bottom: 15:28 04/27

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
------	---------	-----	-------



Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc -
 Rig 1
 Elevation: 2054 EGL
 Field Name: Ordway West
 Pool: Infield
 Job Number: 127

DATE
 April
28
 2018

DST #5 **Formation: LKC "J-L"** **Test Interval: 3456 - 3510'** **Total Depth: 3510'**
 Time On: 10:32 04/28 Time Off: 17:47 04/28
 Time On Bottom: 12:47 04/28 Time Off Bottom: 15:47 04/28

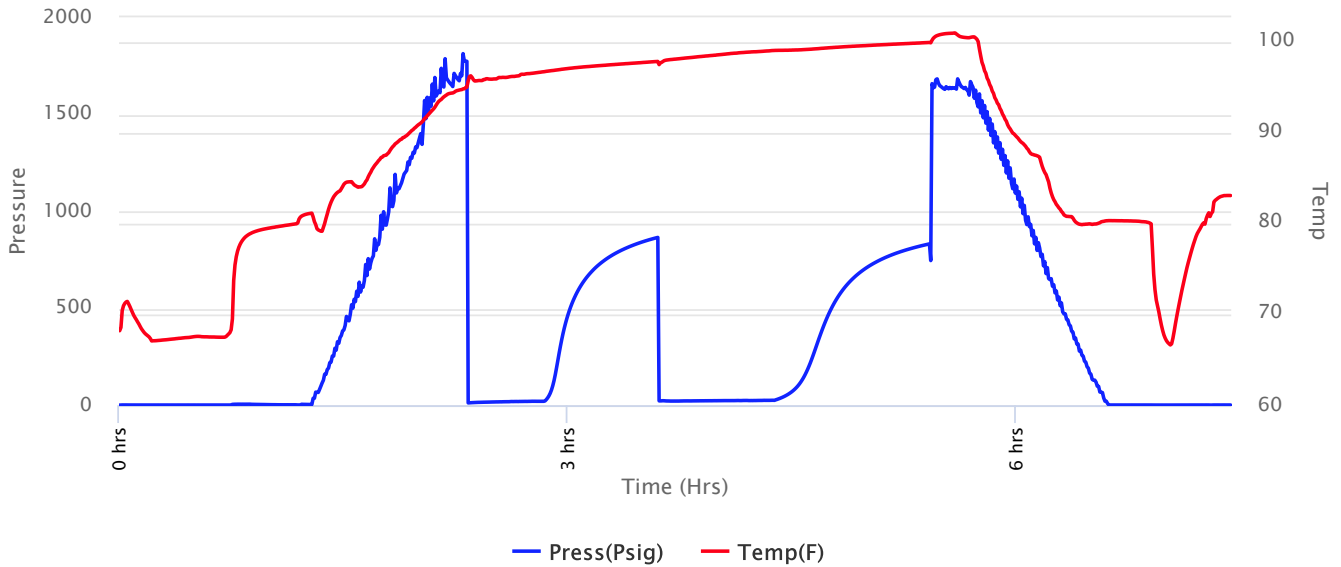
Electronic Volume
 Estimate:
 33'

1st Open
 Minutes: 30
 2.3" at 30 min

1st Close
 Minutes: 45
 0" at 45 min

2nd Open
 Minutes: 45
 1.3" at 45 min

2nd Close
 Minutes: 60
 0" at 60 min





Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc - Rig 1
 Elevation: 2054 EGL
 Field Name: Ordway West
 Pool: Infield
 Job Number: 127

DATE
 April
28
 2018

DST #5 **Formation: LKC "J-L"** **Test Interval: 3456 - 3510'** **Total Depth: 3510'**
 Time On: 10:32 04/28 Time Off: 17:47 04/28
 Time On Bottom: 12:47 04/28 Time Off Bottom: 15:47 04/28

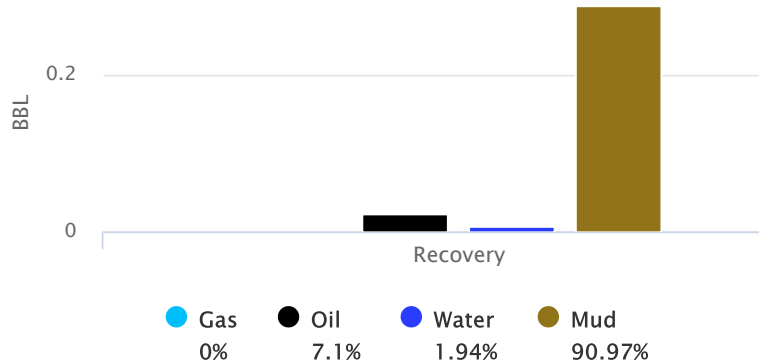
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
1	0.01026	O	0	100	0	0
30	0.3078	SLWCSLOCM	0	4	2	94

Total Recovered: 31 ft
 Total Barrels Recovered: 0.31806

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1644	PSI
Initial Flow	12 to 21	PSI
Initial Closed in Pressure	866	PSI
Final Flow Pressure	23 to 26	PSI
Final Closed in Pressure	832	PSI
Final Hydrostatic Pressure	1638	PSI
Temperature	100	°F
Pressure Change Initial Close / Final Close	3.9	%



Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2054 EGL
Field Name: Ordway West
Pool: Infield
Job Number: 127

<p>DATE April 28 2018</p>

DST #5 **Formation: LKC "J-L"** **Test Interval: 3456 - 3510'** **Total Depth: 3510'**

Time On: 10:32 04/28

Time Off: 17:47 04/28

Time On Bottom: 12:47 04/28

Time Off Bottom: 15:47 04/28

REMARKS:

IF: 2 1/4 inch blow

ISI: No BB

FF: 1 1/4 inch blow

FSI: No BB

TOOL SAMPLE: 6% GAS, 15% OIL, 19% WATER, 60% MUD

Ph: 6.5

RW: .18 @ 78 degrees F

Chlorides: 38,000 ppm



Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc -
 Rig 1
 Elevation: 2054 EGL
 Field Name: Ordway West
 Pool: Infield
 Job Number: 127

DATE April 28 2018

DST #5 **Formation: LKC "J-L"** **Test Interval: 3456 - 3510'** **Total Depth: 3510'**

Time On: 10:32 04/28 Time Off: 17:47 04/28
 Time On Bottom: 12:47 04/28 Time Off Bottom: 15:47 04/28

Down Hole Makeup

Heads Up: 8.36 FT	Packer 1: 3451.28 FT
Drill Pipe: 3432.07 FT <i>ID-3 1/4</i>	Packer 2: 3456.28 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3440.7 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 3494 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 53.72	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 2 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 31.72 FT <i>ID-3 1/4</i>	
Change Over: 1 FT	
Perforations: (below): 17 FT <i>4 1/2-FH</i>	



Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2054 EGL
Field Name: Ordway West
Pool: Infield
Job Number: 127

<p>DATE April 28 2018</p>

DST #5 **Formation: LKC "J-
L"** **Test Interval: 3456 -
3510'** **Total Depth: 3510'**

Time On: 10:32 04/28 Time Off: 17:47 04/28
Time On Bottom: 12:47 04/28 Time Off Bottom: 15:47 04/28

Mud Properties

Mud Type: Chemical **Weight:** 9.1 **Viscosity:** 62 **Filtrate:** 6.0 **Chlorides:** 9,100 ppm



Company: L. D. Drilling, Inc
Lease: Couse #1-30

SEC: 30 TWN: 10S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc -
 Rig 1
 Elevation: 2054 EGL
 Field Name: Ordway West
 Pool: Infield
 Job Number: 127

DATE
April
28
2018

DST #5 **Formation: LKC "J-L"** **Test Interval: 3456 - 3510'** **Total Depth: 3510'**

Time On: 10:32 04/28 Time Off: 17:47 04/28
 Time On Bottom: 12:47 04/28 Time Off Bottom: 15:47 04/28

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 * WICHITA, KS

GEOLOGIST'S REPORT

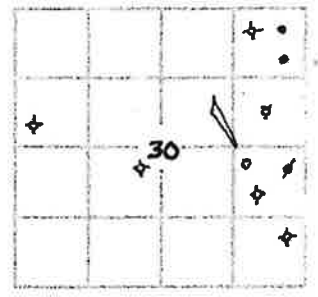
DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.
 LEASE # 1-30 COUSE
 FIELD ORDWAY WEST
 LOCATION 2280' FSL 1/4 1200' FEL
 SEC 30 TWP 10s RGE 18W
 COUNTY ROOKS STATE KANSAS
 CONTRACTOR L. D. DRILLING, INC.
 SPEC 3-28-18 COMP 4-30-18
 RTD 3725 LTD 3726
 MUD UP 2721 TYPE MUD CHEMICAL

ELEVATIONS
 KB 2055
 DF _____
 GL 2050
 Measurements Are All
 From 2055 KB
 CASING
 SURFACE 8 5/8" @ 256'
 PRODUCTION 5 1/2" @
 ELECTRICAL SURVEYS
DUAL IND., DENS-N, MICRO

SAMPLES SAVED FROM 2900 TO 3725
 DRILLING TIME KEPT FROM 2900 TO 3725
 SAMPLES EXAMINED FROM 2900 TO 3725
 GEOLOGICAL SUPERVISION FROM 3000 TO 3725
 GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	1416 + 639	1416 + 639
B/ANK.	1443 + 612	1446 + 609
TOPEKA	3032 - 977	3032 - 977
HEEBNER	3250 - 1195	3251 - 1196
LANSING	3290 - 1235	3291 - 1236
B/KC	3520 - 1465	3518 - 1463
ARBUCKLE	3652 - 1597	3651 - 1596



REMARKS

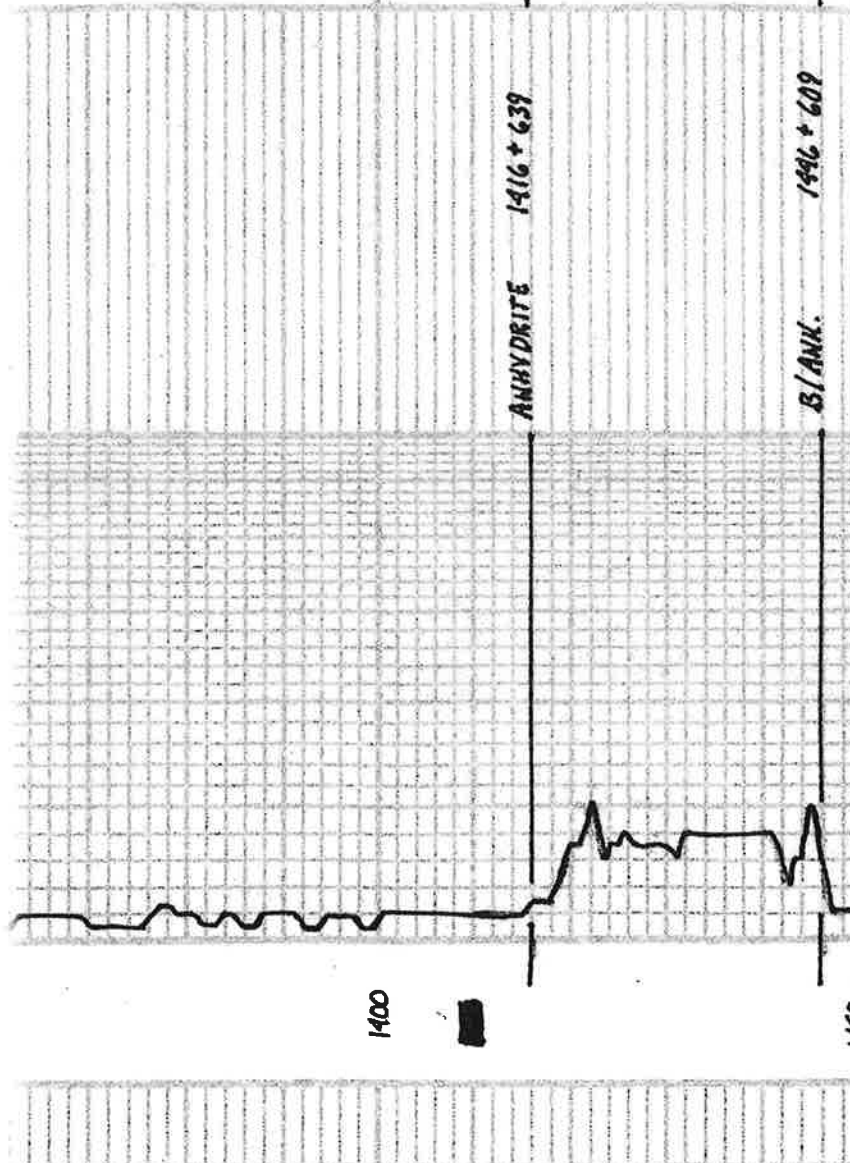
API: 15-163-24356

3-28-18 SPUD
 3-29 @ 258'
 3-30 @ 1568'
 3-31 @ 2570 * Breakdown, Drawworks.

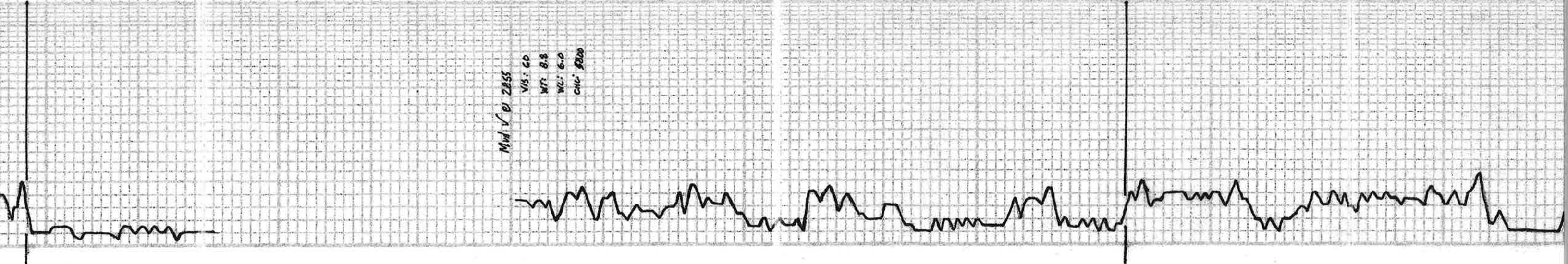
4-23 @ 2440'
 4-24 @ 2800'
 4-25 @ 3230'
 4-26 @ 3282'
 4-27 @ 3340'
 4-28 @ 3495'

LEGEND

- Anhydrite
- Salt
- Sandstone
- Shale
- Carb an
- Limestone
- Col. Linn.
- Chert
- Detonite



B/ANK. 1496 + 609



1450

1500

2900

3000

3100

Samples are Lagged

Mud V @ 2855
VS: 60
WT: 8.8
WC: 6.0
CIV: 2100

TOPEKA 3032 - 977

- Sh. Lt. G.
- Ls. To. wt. Sil. Foss.
- Sh. G. Silty.
- Ls. G. Lt. G. V. Sil. Foss.
- Sh. Silty. Lt. G.
- Sh. Lt. G.
- Ls. To. G. Sil. Foss.
- Sh. Lt. Blue G. Silty. Silty.
- Sh. Lt. G. Silty.
- Ls. To. Lt. G. Sil. Foss.
- Sh. G. Lt. G. Sil. Silty.
- TOPEKA 3032 - 977
- Ls. Silty. V. Sil. Foss.
- Ls. To. wt. Sil. Foss. Sil. G.
- Ls. wt. Foss. vs. Chalky.
- Ls. Silty. V. Sil. Foss.
- Ls. To. Sil. Foss. Sil. Chalky.
- Ls. Lt. G. V. Sil. Foss.
- Ls. To. wt. Foss. Chalky.



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

TTMH = 74

FIELD SERVICE TICKET
1718 16487 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>5-21-2018</u> DISTRICT _____		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>CD DRILLING</u>		LEASE <u>COUSE</u> WELL NO. <u>130</u>				
ADDRESS _____		COUNTY <u>ROOKS</u> STATE <u>Ks</u>				
CITY _____ STATE _____		SERVICE CREW <u>LESLEY, MARQUEZ, JOSE</u>				
AUTHORIZED BY _____		JOB TYPE: <u>Z42 PORT COLLAR</u>				
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED <u>5-21-18</u> DATE AM TIME <u>6:00</u>
<u>20920</u>	<u>3</u>					ARRIVED AT JOB AM <u>10:00</u>
<u>19862</u>	<u>3</u>					START OPERATION AM <u>11:00</u>
						FINISH OPERATION PM <u>2:00</u>
						RELEASED PM <u>2:30</u>
						MILES FROM STATION TO WELL _____

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: Joe Brown N/AH Oil Tools
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 101	A-CON BLEND Common	SK	180		3240 00
CC 102	CELL FLAKE	lb	43		159 10
CC 109	CALCIUM CHLORIDE	lb	510		535 50
CE 200	CEMENT GEL	lb	300		75 00
P 700	20-40 MESH SAND	SK	1		31 00
E 100	PICKUP MILEAGE	MI	100		450 00
E 101	HEAVY EQUIPMENT MILEAGE	MI	200		1,500 00
E 113	BULK DELIVERY CHARGE	TM	1610		2,115 00
E 202	DEPTH CHARGE: 1001' - 2000'	HR	1-4		1,500 00
E 240	BLENDING SERVICE	SK	180		252 00
S 003	SERVICE SUPERVISOR	EA	1		175 00

CHEMICAL / ACID DATA:			

SUB TOTAL \$ 10,052 40
Book Total 10,052 40
SERVICE & EQUIPMENT %TAX ON \$
MATERIALS %TAX ON \$
TOTAL Discounted Price 5724 28
DLS

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

Customer <i>L.P. Drly Inc</i>	Lease No.	Date <i>4-30-18</i>
Lease <i>Couse</i>	Well # <i>1-30</i>	
Field Order # <i>16434</i>	Station <i>Pratt KS</i>	Casing <i>5 1/2</i>
		Depth <i>3665</i>
Type Job <i>5 1/2 long string</i>	Formation	County <i>Rooks</i>
		State <i>KS</i>
		Legal Description <i>30-105-18W</i>

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size <i>3 1/2</i>	Tubing Size	Shots/Ft		Acid <i>125 slk AA-2</i>	RATE	PRESS	ISIP
Depth <i>3650</i>	Depth	From	To	Pre Pad	Max	<i>1500</i>	5 Min.
Volume <i>86.8</i>	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>Rick Wilson</i>	Station Manager <i>J Westerman</i>	Treater <i>D Sioff</i>
Service Units <i>VAD</i>	<i>84981</i>	<i>19843</i>
Driver Names <i>Scott</i>	<i>Mike</i>	<i>McGraw</i>
	<i>Mike</i>	<i>McGuire</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1600</i>					<i>Called Out</i>
<i>2400</i>					<i>On location w/ Talks Safety mtg</i>
					<i>Cent 1-3-5-7-9-11-13-15-54 Basket 1-2-52</i>
					<i>Port collar on 53rd @ 1455.38</i>
					<i>Casing on Bottom line 1 hr</i>
<i>0200</i>	<i>300</i>		<i>5</i>	<i>5</i>	<i>H2O spacer</i>
<i>0201</i>	<i>300</i>		<i>24</i>	<i>5</i>	<i>St mud flush</i>
<i>0206</i>	<i>300</i>		<i>5</i>	<i>5</i>	<i>H2O spacer</i>
<i>0208</i>	<i>300</i>		<i>34.2</i>	<i>5</i>	<i>Mix 125 slk AA-2</i>
<i>0215</i>	<i>0</i>				<i>Finish mixing amt save 1/2 Tub Cmt</i>
<i>0220</i>	<i>0</i>		<i>10</i>	<i>5</i>	<i>Close In + Wash Pump + line</i>
<i>0225</i>	<i>0</i>			<i>5</i>	<i>Release Plug + St Disp w/H2O</i>
<i>0240</i>	<i>400</i>		<i>68</i>	<i>5</i>	<i>Lift Cmt</i>
<i>0242</i>	<i>400</i>		<i>76</i>	<i>3</i>	<i>Slow rate down</i>
<i>0245</i>	<i>1250</i>		<i>76.8</i>	<i>0</i>	<i>Plug Down + psi Test Csg</i>
					<i>Release psi Held Good Circ</i>
					<i>Plug RH w/ 30 slk 60-40 psi</i>
					<i>Job Complete</i>
					<i>Thank you Scotty</i>

L.D. DRILLING, INC.

Hay's North To Coline
 Ellis/Rooks, 2 North to C rd
 3 1/2 West to 14rd, 1/4 South W + S Into

7 SW 26TH AVENUE
 GREAT BEND, KS 675310

Customer L. D. DRG INC

Lease COUSE # 1-30

Date 4-29-18

Description of Pipe 5 1/2 15.5 ppf Set 5 1/2 @ 3665.93 PBTD = 3650.68

Port Collar @ 1455.38 KB Top Jt 53

Feet Ordered TD 3725 Marker Jt @ 3098.69

Jts.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.
1	42	38	42	40	42	40	42	38	3744	75
2	42	38	42	41	42	41	42	40	- 42	44 ^{10 out}
3	42	40	38	38	37	82	42	38	3702	31
4	42	39	42	45	42	42	42	42	- 42	38 ^{2 out}
5	42	38	42	44	42	44	41	19	3659	93
6	42	41	42	41	42	39	42	43	+ 2	00 PC
7	42	38	42	42	42	40	43	63	3661	93
8	42	40	42	38	42	38	42	45	+ 4	- L.J
9	42	41	42	41	42	40	42	46	3665	93
10	42	39	42	37	40	57	42	43		
11	42	40	42	44	42	45	42	44		
12	42	38	42	40	42	37	42	43		
13	42	39	39	79	43	40	42	38		out
14	42	35	42	43	42	40	42	44		out
15	42	41	42	40	42	38	16	17		
16	43	71	42	41	38	03				
17	42	40	42	37	42	40				
18	42	41	42	38	42	44				
19	42	40	42	37	42	42				
20	42	43	42	38	42	41				
21	42	39	40	83	42	40				
22	42	40	42	38	42	36				
23	42	39	42	37	42	40				
24	42	38	42	44	40	91				
25	42	41	42	42	42	40				
TOTAL	1034	04	1051	88	1048	80	610	03		

Ft. Ins.
 GRAND TOTAL **3744** **75**

Total Pieces _____ Length _____ Feet _____ Inches _____
 Company Name L D DRG INC Received by _____
 Talled by _____



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 16434 A

30-105-18w

DATE _____ TICKET NO. _____

DATE OF JOB <u>3/29/2018</u> DISTRICT <u>P9111KS</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</u>		LEASE <u>Couse</u>		WELL NO. <u>1-30</u>					
ADDRESS		COUNTY <u>Rooks</u>		STATE <u>KS</u>					
CITY STATE		SERVICE CREW <u>Darin, Ed, Dillon</u>							
AUTHORIZED BY		JOB TYPE: <u>242/ 8 5/8 surface</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>19843</u>	<u>1/2</u>						<u>3/28</u>	<u>PM</u>	<u>2:30</u>
<u>19860</u>	<u>1/2</u>					ARRIVED AT JOB	<u>3/28</u>	<u>AM</u>	<u>6:00</u>
						START OPERATION	<u>3/29</u>	<u>AM</u>	<u>12:00</u>
						FINISH OPERATION	<u>3/29</u>	<u>PM</u>	<u>12:30</u>
						RELEASED	<u>3/29</u>	<u>AM</u>	<u>1:00</u>
						MILES FROM STATION TO WELL	<u>135</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	
CP100C	Common Cement	SK	200		3,200 00	
CC102	Cellophane	Lb	47		173 96	
CC109	Calcium Chloride	Lb	564		552 20	
CC131	SUGAR	Lb	100		500 00	
E100	unit mileage charge - pickups, small users accs	m.	100		450 00	
E101	Heavy Equipment Mileage	m.	200		1,500 00	
E113	Prep and Gha Bulk Delivery Charges per ten mile	T/m	940		2,350 00	
CE200	Depth Charge JO-500	4hr	1		1,000 00	
CE240	Blending & mixing Service Charge	SK	200		280 00	
S003	Service Supervisor, first 8 hrs on loc	F9	1		175 00	
					SUB TOTAL	16,221 16

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
DISCOUNT TOTAL		3,826 03

SERVICE REPRESENTATIVE <u>Darin Franklin</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>[Signature]</u>
--	--

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer LD Drilling	Lease No.	Date 3/29/2018
Lease Couse	Well # 1-30	
Field Order # 16434	Station Pratt, KS	Casing 8 5/8
		Depth 259
Type Job 242/8 5/8 surface	Formation TD-259	Legal Description 30-105-18w
		County ROOKS
		State KS

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth 259	Depth	From	To	Pre Pad	Max		5 Min.
Volume 16.5	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 259	Packer Depth	From	To	Flush Water	Gas Volume		Total Load

Customer Representative Rick Wilson	Station Manager Justin Westerman	Treater Darin Fricklin
--	---	-------------------------------

Service Units	92911	84981	19843	19960	19860				
Driver Names	Darin	Ed	Ed	Dillon	Dillon				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:00pm					On Location / Safety meeting
					200SK Common Cement, 2% Calcium Chloride, 1/4# Cello 19ke
					15.6 pps, 1.20 yield, 5.23 water
3/29					
12:00pm	300		3	5	Pump 3 bbls water
	300		43	5	mix 200SK Cement
	300		15	5	Displace 15 bbls water
12:30pm					Shut in
					Cement did circulate - 10 bbls
					Job complete / Disassemble
					Thank you!!