

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
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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				

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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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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:	
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	WILES TRUST 1-15
Doc ID	1431057

Tops

Name	Top	Datum
ANHYDRITE	2556	+802
BASE ANHYDRITE	2576	+782
STOTLER	3630	-272
HEEBNER	4002	-644
LANSING	4054	-696
BASE KANSAS CITY	4431	-1073
MARMATON	4473	-1115
FORT SCOTT	4624	-1266
CHEROKEE	4651	-1293
MISSISSIPPI	4950	-1592



Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
 County: WICHITA
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc - Rig 1
 Elevation: 3352 EGL
 Field Name: NA
 Pool: Infield
 Job Number: 238

Operation:
 Uploading recovery & pressures

DATE
 October
28
 2018

DST #1 Formation: LKC "I" Test Interval: 4267 - 4300' Total Depth: 4300'
 Time On: 16:06 10/28 Time Off: 22:31 10/28
 Time On Bottom: 18:34 10/28 Time Off Bottom: 20:34 10/28

Electronic Volume Estimate:
 18'

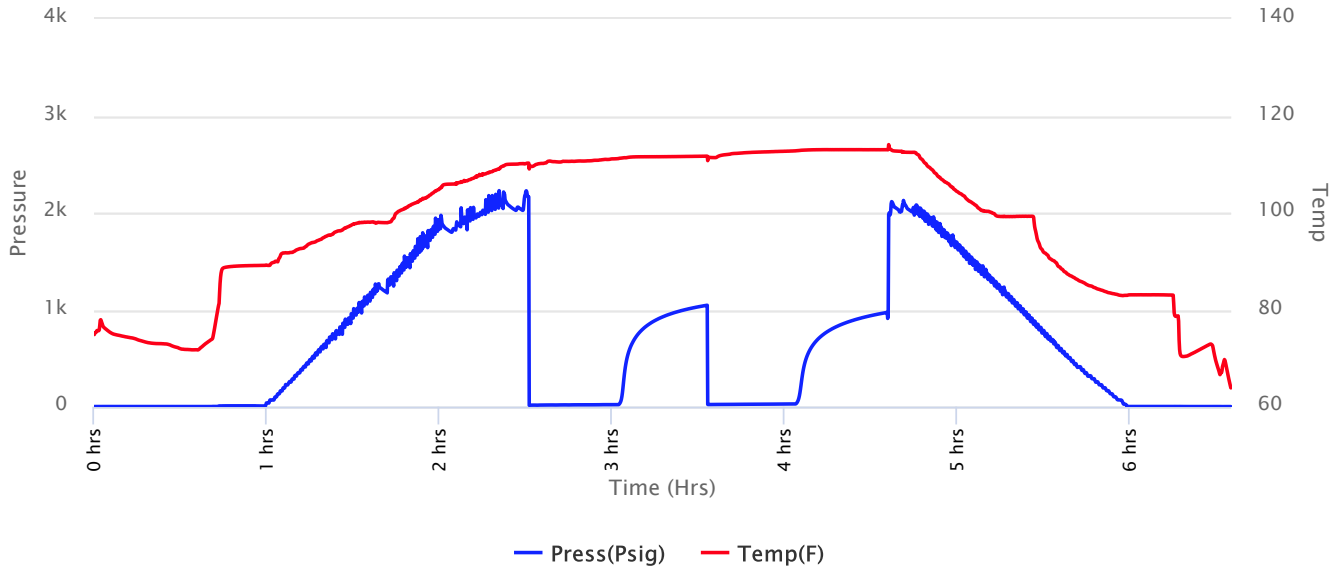
1st Open
 Minutes: 30
 Current Reading: 1.25" at 30 min
 Max Reading: 1.25"

1st Close
 Minutes: 30
 Current Reading: 0" at 30 min
 Max Reading: 0"

2nd Open
 Minutes: 30
 Current Reading: .25" at 30 min
 Max Reading: .25"

2nd Close
 Minutes: 30
 Current Reading: 0" at 30 min
 Max Reading: 0"

Inside Recorder





Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
 County: WICHITA
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc - Rig 1
 Elevation: 3352 EGL
 Field Name: NA
 Pool: Infield
 Job Number: 238

Operation:
 Uploading recovery & pressures

DATE
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28
 2018

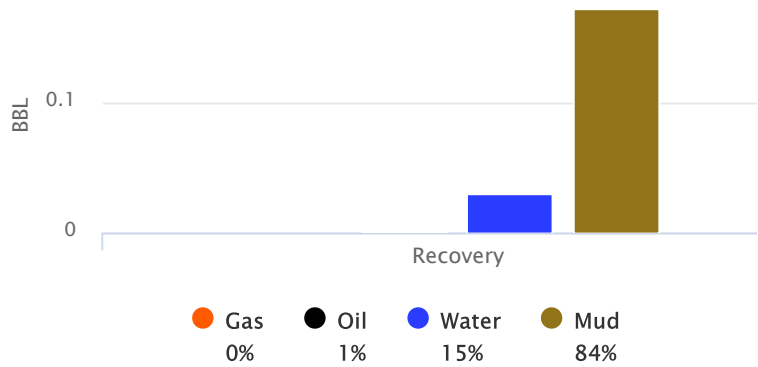
DST #1 **Formation: LKC "I"** **Test Interval: 4267 - 4300'** **Total Depth: 4300'**
 Time On: 16:06 10/28 Time Off: 22:31 10/28
 Time On Bottom: 18:34 10/28 Time Off Bottom: 20:34 10/28

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
20	0.2052	SLOCSLWCM	0	1	15	84

Total Recovered: 20 ft
 Total Barrels Recovered: 0.2052

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	2043	PSI
Initial Flow	16 to 22	PSI
Initial Closed in Pressure	1045	PSI
Final Flow Pressure	23 to 29	PSI
Final Closed in Pressure	972	PSI
Final Hydrostatic Pressure	2038	PSI
Temperature	113	°F
Pressure Change Initial Close / Final Close	7.0	%



Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 3352 EGL
Field Name: NA
Pool: Infield
Job Number: 238

Operation:
Uploading recovery &
pressures

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28
2018

DST #1 Formation: LKC "I" Test Interval: 4267 - Total Depth: 4300'
4300'
Time On: 16:06 10/28 Time Off: 22:31 10/28
Time On Bottom: 18:34 10/28 Time Off Bottom: 20:34 10/28

BUCKET MEASUREMENT:

1st Open: Weak surface blow built to 1 1/4" in 30 minutes
1st Close: Nobb
2nd Open: Weak surface blow started at 22 min. Built to 1/4" in 30 minutes.
2nd Close: Nobb.

REMARKS:

Tool Sample: 0% Gas 1% Oil 49% Water 50% Mud
Ph: 9
Measured RW: .5 @ 47 degrees °F
RW at Formation Temp: 0.224 @ 113 °F
Chlorides: 19,000 ppm



Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
 County: WICHITA
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc -
 Rig 1
 Elevation: 3352 EGL
 Field Name: NA
 Pool: Infield
 Job Number: 238

Operation:
 Uploading recovery &
 pressures

DATE
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DST #1 **Formation: LKC "I"** **Test Interval: 4267 - 4300'** **Total Depth: 4300'**
 Time On: 16:06 10/28 Time Off: 22:31 10/28
 Time On Bottom: 18:34 10/28 Time Off Bottom: 20:34 10/28

Down Hole Makeup

Heads Up: 12.06 FT	Packer 1: 4262 FT
Drill Pipe: 4246.49 FT <i>ID-3 1/4</i>	Packer 2: 4267 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4251.42 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 4269 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: 33	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): FT <i>4 1/2-FH</i>	
Change Over: FT	
Drill Pipe: (in anchor): FT <i>ID-3 1/4</i>	
Change Over: FT	
Perforations: (below): 32 FT <i>4 1/2-FH</i>	



Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 3352 EGL
Field Name: NA
Pool: Infield
Job Number: 238

Operation:
Uploading recovery &
pressures

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2018

DST #1 **Formation: LKC "I"** **Test Interval: 4267 -**
4300' **Total Depth: 4300'**
Time On: 16:06 10/28 Time Off: 22:31 10/28
Time On Bottom: 18:34 10/28 Time Off Bottom: 20:34 10/28

Mud Properties

Mud Type: Gel/chem **Weight:** 9.3 **Viscosity:** 58 **Filtrate:** 8.8 **Chlorides:** 4000 ppm



Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
 County: WICHITA
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc - Rig 1
 Elevation: 3352 EGL
 Field Name: NA
 Pool: Infield
 Job Number: 238

Operation:
 Uploading recovery & pressures

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DST #2 Formation: LKC "J" Test Interval: 4298 - 4320' Total Depth: 4320'

Time On: 04:43 10/29 Time Off: 10:34 10/29
 Time On Bottom: 06:39 10/29 Time Off Bottom: 08:39 10/29

Electronic Volume Estimate:
 3493'

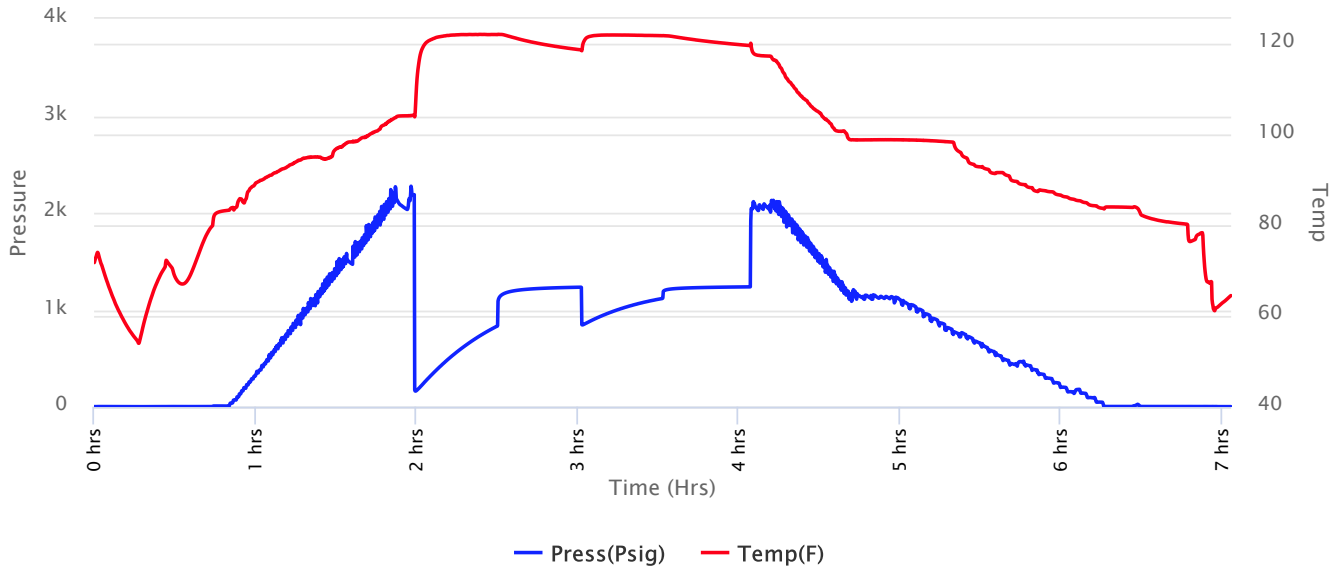
1st Open
 Minutes: 30
 Current Reading: 256.6" at 30 min
 Max Reading: 256.6"

1st Close
 Minutes: 30
 Current Reading: 0" at 30 min
 Max Reading: 0"

2nd Open
 Minutes: 30
 Current Reading: 129.5" at 30 min
 Max Reading: 129.5"

2nd Close
 Minutes: 30
 Current Reading: 0" at 30 min
 Max Reading: 0"

Inside Recorder





Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
 County: WICHITA
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc - Rig 1
 Elevation: 3352 EGL
 Field Name: NA
 Pool: Infield
 Job Number: 238

Operation:
 Uploading recovery & pressures

DATE
 October
29
 2018

DST #2 **Formation: LKC "J"** **Test Interval: 4298 - 4320'** **Total Depth: 4320'**
 Time On: 04:43 10/29 Time Off: 10:34 10/29
 Time On Bottom: 06:39 10/29 Time Off Bottom: 08:39 10/29

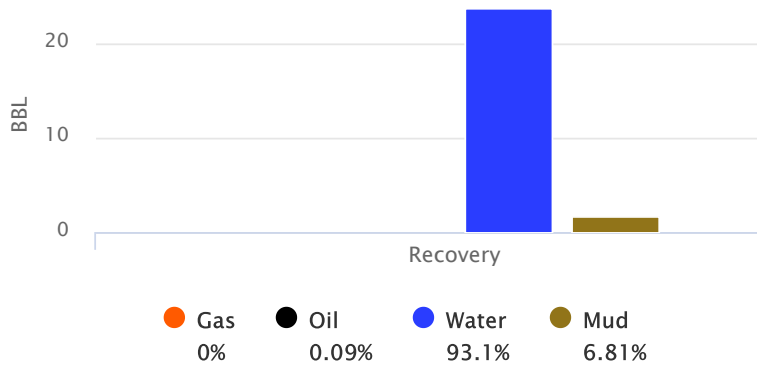
Recovered						
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
91	0.93366	SLOCHMCW	0	1	64	35
126	1.29276	SLOCHWCM	0	1	47	52
126	1.29276	MCW	0	0	80	20
126	1.29276	SLMCW	0	0	95	5
2016	20.68416	SLMCW	0	0	98	2

Total Recovered: 2485 ft
 Total Barrels Recovered: 25.4961

Reversed Out
 NO

Initial Hydrostatic Pressure	2180	PSI
Initial Flow	164 to 834	PSI
Initial Closed in Pressure	1231	PSI
Final Flow Pressure	843 to 1114	PSI
Final Closed in Pressure	1236	PSI
Final Hydrostatic Pressure	2115	PSI
Temperature	123	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance





Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling, Inc - Rig 1
Elevation: 3352 EGL
Field Name: NA
Pool: Infield
Job Number: 238

Operation:
Uploading recovery & pressures

DATE
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2018

DST #2 Formation: LKC "J" Test Interval: 4298 - Total Depth: 4320'
4320'
Time On: 04:43 10/29 Time Off: 10:34 10/29
Time On Bottom: 06:39 10/29 Time Off Bottom: 08:39 10/29

BUCKET MEASUREMENT:

1st Open: 2" Blow built to BoB in 1 min. 30 sec.

1st Close: No Return

2nd Open: 2" Blow built to BoB in 2 min.

2nd Close: No Return

REMARKS:

Tool Sample: 0% Gas 0% Oil 99% Water 1% Mud

Ph: 8

Measured RW: .43 @ 47 degrees °F

RW at Formation Temp: 0.178 @ 123 °F

Chlorides: 22000 ppm



Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 3352 EGL
Field Name: NA
Pool: Infield
Job Number: 238

Operation:
Uploading recovery &
pressures

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2018

DST #2 **Formation: LKC "J"** **Test Interval: 4298 - 4320'** **Total Depth: 4320'**
Time On: 04:43 10/29 Time Off: 10:34 10/29
Time On Bottom: 06:39 10/29 Time Off Bottom: 08:39 10/29

Down Hole Makeup

Heads Up: 12.13 FT	Packer 1: 4293 FT
Drill Pipe: 4277.56 FT <i>ID-3 1/4</i>	Packer 2: 4298 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4282.42 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 4300 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: 22	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): 21 FT <i>4 1/2-FH</i>	



Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 3352 EGL
Field Name: NA
Pool: Infield
Job Number: 238

Operation:
Uploading recovery &
pressures

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DST #2 Formation: LKC "J" Test Interval: 4298 - Total Depth: 4320'
4320'
Time On: 04:43 10/29 Time Off: 10:34 10/29
Time On Bottom: 06:39 10/29 Time Off Bottom: 08:39 10/29

Mud Properties

Mud Type: Chem **Weight:** 9.3 **Viscosity:** 58 **Filtrate:** 8.8 **Chlorides:** 4000 ppm



Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling, Inc - Rig 1
Elevation: 3352 EGL
Field Name: NA
Pool: Infield
Job Number: 238

Operation:
Uploading recovery & pressures

DATE
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DST #2 Formation: LKC "J" Test Interval: 4298 - 4320' Total Depth: 4320'
Time On: 04:43 10/29 Time Off: 10:34 10/29
Time On Bottom: 06:39 10/29 Time Off Bottom: 08:39 10/29

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
 County: WICHITA
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc - Rig 1
 Elevation: 3352 EGL
 Field Name: Wildcat
 Pool: Infield
 Job Number: 238

Operation:
 Uploading recovery & pressures

DATE
 October
30
 2018

DST #3 **Formation: Altamont** **Test Interval: 4438 - 4530'** **Total Depth: 4530'**

Time On: 09:09 10/30 Time Off: 15:26 10/30
 Time On Bottom: 11:41 10/30 Time Off Bottom: 13:41 10/30

Electronic Volume Estimate:
 14'

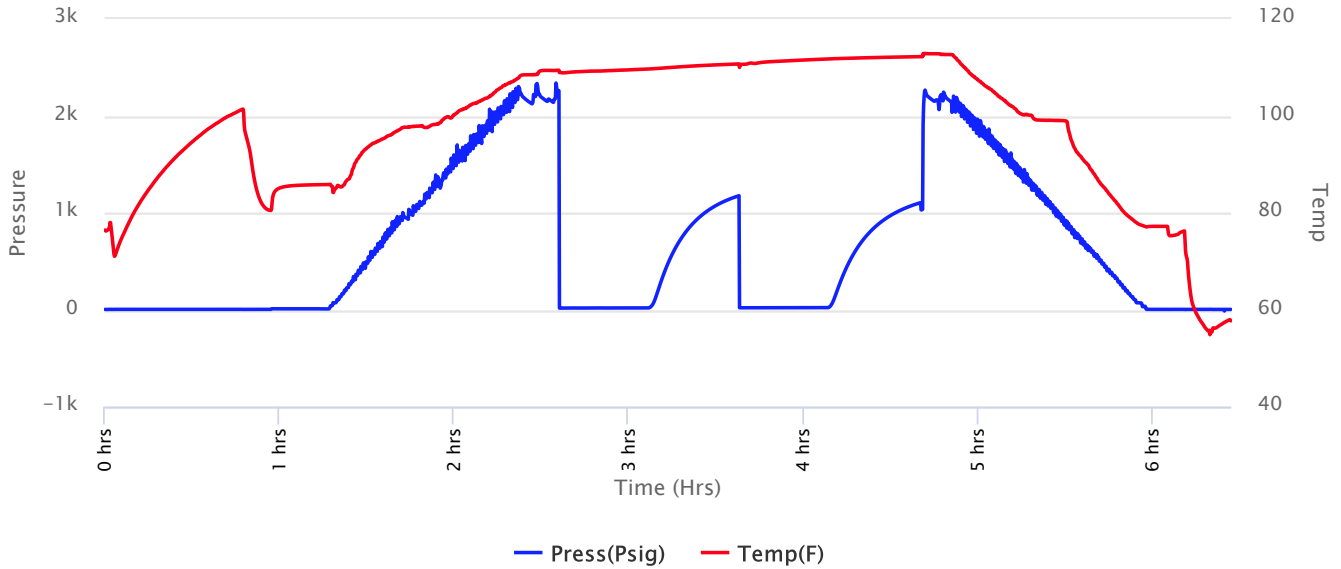
1st Open
 Minutes: 30
 Current Reading: 1" at 30 min
 Max Reading: 1"

1st Close
 Minutes: 30
 Current Reading: 0" at 30 min
 Max Reading: 0"

2nd Open
 Minutes: 30
 Current Reading: .1" at 30 min
 Max Reading: .1"

2nd Close
 Minutes: 30
 Current Reading: 0" at 30 min
 Max Reading: 0"

Inside Recorder





Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
 County: WICHITA
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc - Rig 1
 Elevation: 3352 EGL
 Field Name: Wildcat
 Pool: Infield
 Job Number: 238

Operation:
 Uploading recovery & pressures

DATE
 October
30
 2018

DST #3 **Formation: Altamont** **Test Interval: 4438 - 4530'** **Total Depth: 4530'**
 Time On: 09:09 10/30 Time Off: 15:26 10/30
 Time On Bottom: 11:41 10/30 Time Off Bottom: 13:41 10/30

Recovered

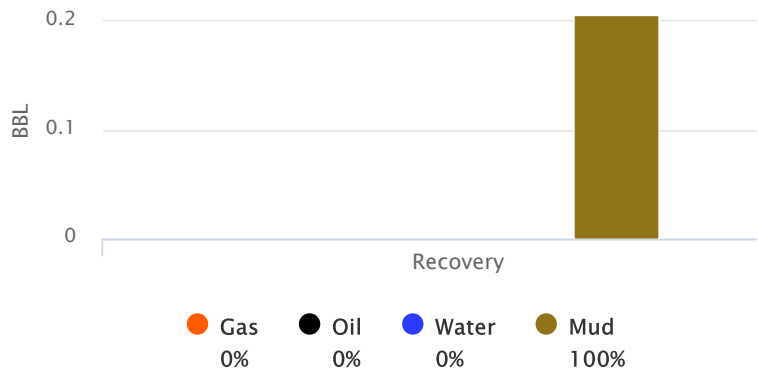
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
20	0.2052	M	0	0	0	100

Total Recovered: 20 ft
 Total Barrels Recovered: 0.2052

Reversed Out
NO

Initial Hydrostatic Pressure	2165	PSI
Initial Flow	17 to 19	PSI
Initial Closed in Pressure	1171	PSI
Final Flow Pressure	20 to 22	PSI
Final Closed in Pressure	1101	PSI
Final Hydrostatic Pressure	2165	PSI
Temperature	113	°F
Pressure Change Initial Close / Final Close	5.9	%

Recovery at a glance





Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 3352 EGL
Field Name: Wildcat
Pool: Infield
Job Number: 238

Operation:
Uploading recovery &
pressures

DATE
October
30
2018

DST #3 Formation: Altamont Test Interval: 4438 - Total Depth: 4530'
4530'
Time On: 09:09 10/30 Time Off: 15:26 10/30
Time On Bottom: 11:41 10/30 Time Off Bottom: 13:41 10/30

BUCKET MEASUREMENT:

1st Open: 1/4" blow built to 1" in 30 min.
1st Close: No Return
2nd Open: Weak surface blow started at 20 min. Did not build or die.
2nd Close: No return

REMARKS:

Slight Oil scum in tool sample.
Tool Sample: 0% Gas 0% Oil 2% Water 98% Mud



Company: L. D. Drilling, Inc

Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling, Inc - Rig 1
Elevation: 3352 EGL
Field Name: Wildcat
Pool: Infield
Job Number: 238

Operation:

Uploading recovery & pressures

DATE

October

30

2018

DST #3 Formation: Altamont Test Interval: 4438 - 4530' Total Depth: 4530'

Time On: 09:09 10/30 Time Off: 15:26 10/30

Time On Bottom: 11:41 10/30 Time Off Bottom: 13:41 10/30

Down Hole Makeup

Heads Up: 28.52 FT	Packer 1: 4432.84 FT
Drill Pipe: 4433.79 FT <i>ID-3 1/4</i>	Packer 2: 4437.84 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4422.26 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 4440 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: 92.16	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 24 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 62.16 FT <i>ID-3 1/4</i>	
Change Over: 1 FT	
Perforations: (below): 3 FT <i>4 1/2-FH</i>	



Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 3352 EGL
Field Name: Wildcat
Pool: Infield
Job Number: 238

Operation:
Uploading recovery &
pressures

DATE
October
30
2018

DST #3 Formation: Altamont Test Interval: 4438 - Total Depth: 4530'
4530'
Time On: 09:09 10/30 Time Off: 15:26 10/30
Time On Bottom: 11:41 10/30 Time Off Bottom: 13:41 10/30

Mud Properties

Mud Type: Chem **Weight:** 9.4 **Viscosity:** 57 **Filtrate:** 9.6 **Chlorides:** 5000 ppm



Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
 County: WICHITA
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc - Rig 1
 Elevation: 3352 EGL
 Field Name: Wildcat
 Pool: Infield
 Job Number: 238

Operation:
 Uploading recovery & pressures

DATE
 October
31
 2018

DST #4 **Formation: Pawnee/Ft. Scott.** **Test Interval: 4558 - 4630'** **Total Depth: 4630'**
 Time On: 06:29 10/31 Time Off: 13:03 10/31
 Time On Bottom: 08:48 10/31 Time Off Bottom: 10:48 10/31

Electronic Volume Estimate:
 3'

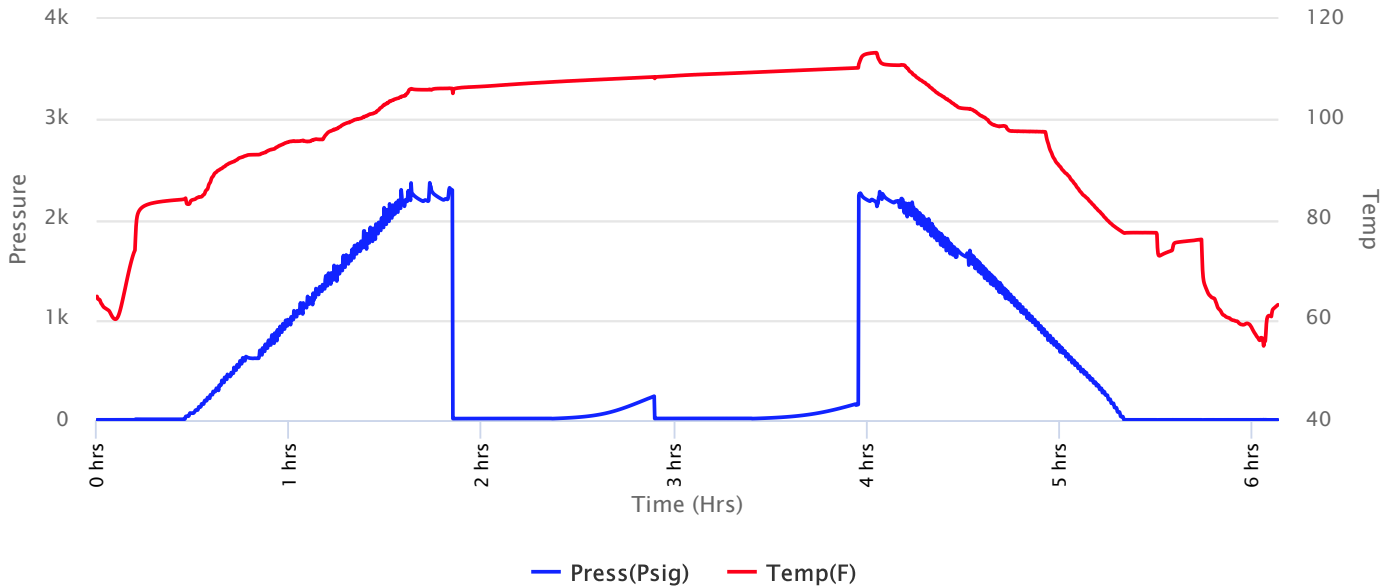
1st Open
 Minutes: 30
 Current Reading:
 .25" at 30 min
 Max Reading: .25"

1st Close
 Minutes: 30
 Current Reading:
 0" at 30 min
 Max Reading: 0"

2nd Open
 Minutes: 30
 Current Reading:
 0" at 30 min
 Max Reading: 0"

2nd Close
 Minutes: 30
 Current Reading:
 0" at 30 min
 Max Reading: 0"

Inside Recorder





Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
 County: WICHITA
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc - Rig 1
 Elevation: 3352 EGL
 Field Name: Wildcat
 Pool: Infield
 Job Number: 238

Operation:
 Uploading recovery & pressures

DATE
 October
31
 2018

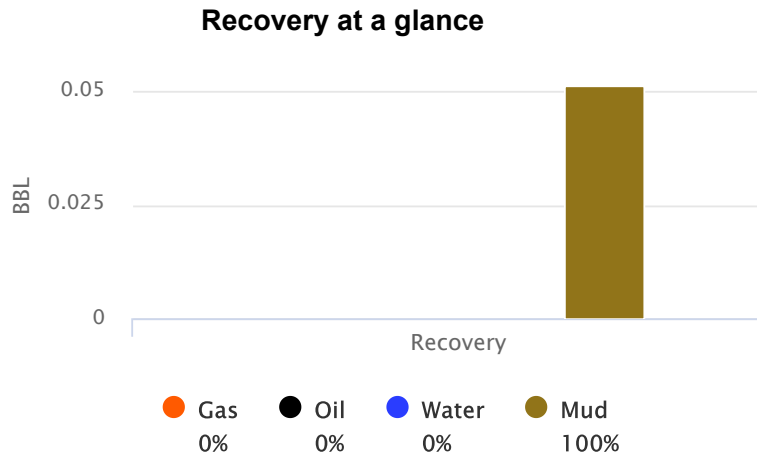
DST #4 **Formation: Pawnee/Ft. Scott.** **Test Interval: 4558 - 4630'** **Total Depth: 4630'**
 Time On: 06:29 10/31 Time Off: 13:03 10/31
 Time On Bottom: 08:48 10/31 Time Off Bottom: 10:48 10/31

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
5	0.0513	M	0	0	0	100

Total Recovered: 5 ft
 Total Barrels Recovered: 0.0513

Reversed Out
NO

Initial Hydrostatic Pressure	2205	PSI
Initial Flow	16 to 17	PSI
Initial Closed in Pressure	237	PSI
Final Flow Pressure	17 to 18	PSI
Final Closed in Pressure	159	PSI
Final Hydrostatic Pressure	2203	PSI
Temperature	110	°F
Pressure Change Initial Close / Final Close	33.0	%





Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 3352 EGL
Field Name: Wildcat
Pool: Infield
Job Number: 238

Operation:

Uploading recovery &
pressures

DATE

October

31

2018

DST #4 **Formation:** **Test Interval: 4558 -** **Total Depth: 4630'**
Pawnee/Ft. Scott. **4630'**
Time On: 06:29 10/31 Time Off: 13:03 10/31
Time On Bottom: 08:48 10/31 Time Off Bottom: 10:48 10/31

BUCKET MEASUREMENT:

1st Open: Surface blow built to 1/4" in 5 min. Did not build or die from there.

1st Close: No Return

2nd Open: No Blow

2nd Close: No return

REMARKS:

Slight show of oil spots in tool sample.

Tool Sample: 0% Gas 0% Oil 0% Water 100% Mud



Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
 County: WICHITA
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc -
 Rig 1
 Elevation: 3352 EGL
 Field Name: Wildcat
 Pool: Infield
 Job Number: 238

Operation:
 Uploading recovery &
 pressures

DATE
 October
31
 2018

DST #4 **Formation:** **Test Interval: 4558 -** **Total Depth: 4630'**
 Pawnee/Ft. Scott. **4630'**
 Time On: 06:29 10/31 Time Off: 13:03 10/31
 Time On Bottom: 08:48 10/31 Time Off Bottom: 10:48 10/31

Down Hole Makeup

Heads Up: 31.09 FT	Packer 1: 4553 FT
Drill Pipe: 4556.52 FT <i>ID-3 1/4</i>	Packer 2: 4558 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4542.42 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 0 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: 72	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 35 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 31 FT <i>ID-3 1/4</i>	
Change Over: 1 FT	
Perforations: (below): 3 FT <i>4 1/2-FH</i>	



Company: L. D. Drilling, Inc
Lease: Wiles Trust #1-15

SEC: 15 TWN: 16S RNG: 37W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 3352 EGL
Field Name: Wildcat
Pool: Infield
Job Number: 238

Operation:

Uploading recovery &
pressures

DATE

October
31
2018

DST #4

Formation:
Pawnee/Ft. Scott.

Test Interval: 4558 -
4630'

Total Depth: 4630'

Time On: 06:29 10/31

Time Off: 13:03 10/31

Time On Bottom: 08:48 10/31

Time Off Bottom: 10:48 10/31

Mud Properties

Mud Type: Chem

Weight: 9.3

Viscosity: 58

Filtrate: 9.6

Chlorides: 5500 ppm

KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 * WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.
 LEASE 1-16 WILES TRUST
 FIELD WILDCAT
 LOCATION 1190' FNL & 1925' FEL
 SEC 15 TWP 16s RGE 37w
 COUNTY WICHITA STATE KANSAS
 CONTRACTOR L. D. DRILLING, INC.
 SPUD 10-22-18 COMP 11-2-18
 RID 5040 LTD 5042
 MUD WP 3564 TYPE MUD CHEMICAL

ELEVATIONS
 KB 3358
 DF _____
 GL 3353
 Measurements Are All
 From 3358 KB
 CASING
 SIZE 8 5/8" @ 36'
 PRODUCTION _____
 ELECTRICAL SURVEYS
 DUAL IND., DENS-N., MICRO

SAMPLES OAVED FROM 3500 TO 5040
 DRILLING TIME KEPT FROM 3500 TO 5040
 SAMPLES EXAMINED FROM 3500 TO 5040
 GEOLOGICAL SUPERVISION FROM 3800 TO 5040
 GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	2556 + 802	2559 + 799
B/ANH.	2576 + 782	2579 + 779
STOTLER	3630 - 272	3631 - 273
HEEBNER	4002 - 644	4001 - 643
LANSING	4054 - 696	4053 - 695
B/KC	4431 - 1073	4426 - 1068
MARMATON	4473 - 1115	4466 - 1108
FORT SCOTT	4624 - 1266	4612 - 1259
CHEROKEE	4651 - 1293	4640 - 1282
MISSISSIPPI	4950 - 1592	4948 - 1590



API: 15-203-20347

REMARKS

10-22-18 SPUD
 10-23 @ 367'
 10-24 @ 1420'
 10-25 @ 2590'
 10-26 @ 3315'
 10-27 @ 3817'
 10-28 @ 4260'
 10-29 @ 4320'
 10-30 @ 4530'
 11-1 @ 4816'
 11-2 @ 5040'

LEGEND

-  Anhydrite
-  Salt
-  Sandstone
-  Shale
-  Gyps. or.
-  Limestone
-  Dolomite
-  Clay.

DRILLING TIME IN MINUTES
PER FOOT

Rate of Penetration Increases

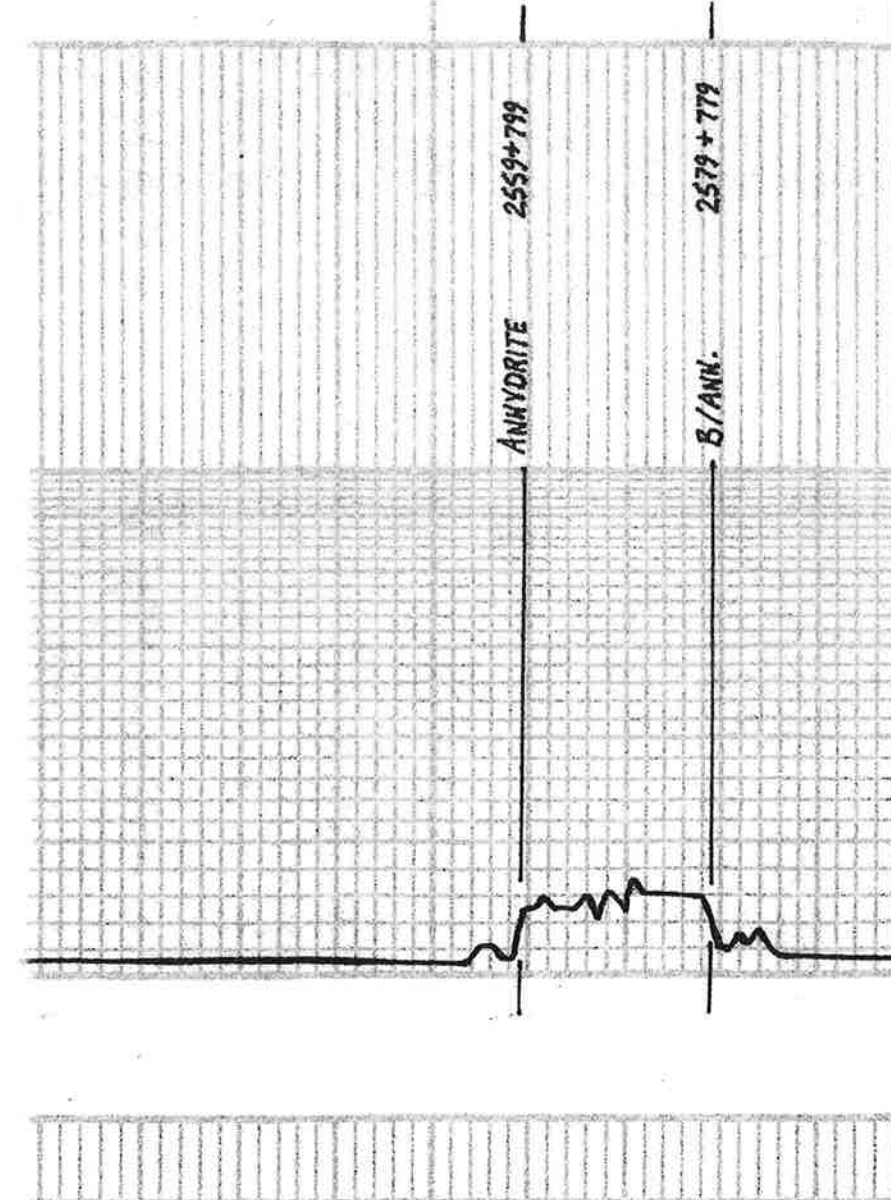
5" 10" 15" 20" 25"

DEPTH
2500

LITHOLOGY

REMARKS

SAMPLE DESCRIPTIONS



2600

3500

3600

Samples are lagged

ls. wt. st. Foss sil. chll.

sh. lig. G. silty

ls. G. V. st. Foss

sh. lig.

STOTLER 3631-273

ls. G. st. Foss w/ DE. Foss.

sh. lig.

ls. to R. st. Foss.

sh. G.

ls. G. sil. Foss.

sh. lig. G.

ls. lig. V. st. Foss.

ls. w. lig. V. st. Foss. V. st. chll.

sh. DE G.

ls. w. Foss. G. silty

ls. w. st. Foss sil. chll.

ls. to w. st. Foss sil. chll.

ls. G. V. st. Foss.

sh. G.

ls. to lig. Dm.

3700

3800

Vis: 58 WT: 88
WVL: 7.2 CHL: 3300

LS. To wt. Sl. Foss. Sil. A

LS. wt. Sl. Foss. Chilly.

LS. G. Dnt.

Sh. L. G. G.

LS. wt. Foss. Calcitic

Sh. L. G. G.

LS. wt. Foss. Calcitic

LS. To wt. Sl. Foss. Sil. A

Sh. Dnt.

Sh. Sil. Sh. L. G. G. U. F. G. G. Sil. A

Sh. Rd. H. A. M.

LS. To Foss.

LS. To wt. V. Sl. Foss. Sil. Chilly.

LS. wt. L. G. G. Foss.

LS. wt. Foss. Calcitic

LS. G. Dnt.

3900

4000

TORONTO 4019-661

HEEBNER 4001-643

Sh. Sil. G. G.

LS. wt. Foss. ool.

Sh. L. G. G.

LS. wt. Foss. Sil. Calcitic

Sh. L. G. G.

LS. wt. Sl. Foss. Foss. Fishy & Noodor

LS. wt. Sl. Foss. V. Chilly.

Sh. Rd.

LANSING 4053-695

LS. To wt. ool. V. Sl. A. F. V. B. & Noodor

Sh. Dnt.

LS. wt. ool. V. Sl. Chilly.

Sh. Dnt.

LS. L. G. G. V. Sl. Foss.

Sh. Rd.

LS. wt. Sl. Foss. Fishy & Noodor

4100

Sh. Rd.

45. wt. Lg. Foss. calcitic silt

45. T. wt. VSI Foss VSI A

Sh. Rd. g.

45. T. wt. VSI Foss P. VSI B
DEPT. SPID. SH. VSI FD Dull Floor No odor.

45. Lg. VSI Foss VSI A

Sh. Rd. g.

45. T. wt. wt. VSI. occ. VSI. chll.

45. T. wt. silt

45. wt. Lg. VSI Foss silt chll.

45. Lg. silt Foss.

45. Lg. VSI. chll.

MUNCIE CREEK 4233-875

Sh. Rd. g. g.

45. wt. Lg. silt. shool. silt

A wt. Lg.

VIS: 58 WT: 9.5
WL: 8.8 CIL: 4000

DST (1)

DST (2)

VIS: 51 WT: 9.4
WL: 9.6 CIL: 5000

DST (1) 4267-1300

1st open: Blow built to 14"
2nd open: Surface blow built to 44"

30. 30. 30. 30

Rec. 20 V600C/M

Top Sample: L.T.M.

90% W

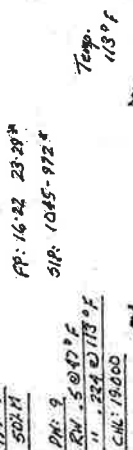
50% M

DN: 9

RW: 5 @ 47°F

" " 22 @ 73°F

CIL: 19000



DST (2) 4298-1320

1st open: Bottom bucket / 2 M.M.

30. 30. 30. 30

Top Sample: L.T.M.

90% W

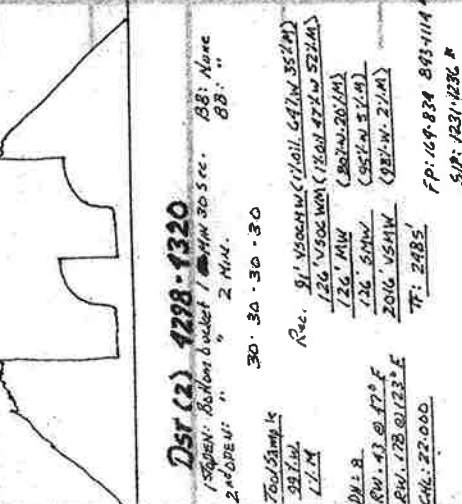
50% M

DN: 8

RW: 43 @ 47°F

RW: 128 @ 73°F

CIL: 22000



STARK 4330-972

Sh. Rd. g.

45. wt. Lg. VSI Foss

Sh. Rd. g.

45. T. wt. Lg. silt Foss. silt

45. T. wt. wt. silt

A Lg.

Sh. Rd. g.

45. wt. VSI. Foss.

45. T. wt. wt. silt. chll.

45. T. wt. wt. silt. chll. silt. chll.

B/KC

4926-1068

45. T. wt. wt. silt Foss. calcitic

B/KC LOG
DST

4200

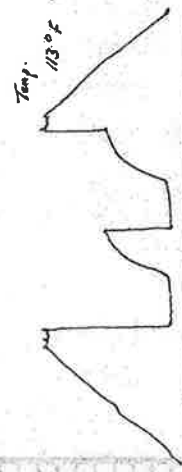
4300

4400

HUSHPUCKNEY

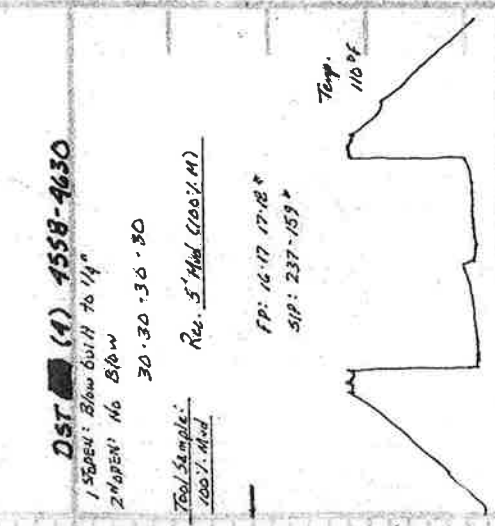
45. Br Gy. Dnt.
Subj Silty sh. Lt Blue-Gy. V. Fr. Fa. G. Sub. Bl.
V. 100%
DST (3) 4438-4630
1500ft: Blow built to 1"
2nd 0.001: Surface Blow
30-30-30-30
Tool Sample: Rec. 20' Mud (100% M)
2' Mud
300' Mud w/ Seawall

ALTAMONT 4473-4485
45. Br Gy. V. Silty Foss
Sh. Lt Blue Gy.
45. W. G. S. Lt Blue-Gy. V. Fr. Fa. G. Sub. Bl.
R. S. 20' Sub. S. S. P. D. 200' Foss. V. 100%
Sh. G.
45. W. G. S. Lt Blue-Gy. V. Fr. Fa. G. Sub. Bl.
R. S. 20' Sub. S. S. P. D. 200' Foss. V. 100%
Sh. G.
45. Br Gy. Dnt.
Sh. Lt Blue Gy.
45. Lt Blue Gy.
Sh. Lt Blue Gy.
45. Lt Blue Gy.



45. W. G. S. Lt Blue-Gy. V. Fr. Fa. G. Sub. Bl.
R. S. 20' Sub. S. S. P. D. 200' Foss. V. 100%
Sh. G.
45. W. G. S. Lt Blue-Gy. V. Fr. Fa. G. Sub. Bl.
R. S. 20' Sub. S. S. P. D. 200' Foss. V. 100%
Sh. G.
45. Br Gy. Dnt.
Sh. Lt Blue Gy.
45. Lt Blue Gy.
Sh. Lt Blue Gy.
45. Lt Blue Gy.

PANNEE 4568-4620
45. Br Gy. Dnt.
Sh. Lt Blue Gy.
45. Lt Blue Gy.
Sh. Lt Blue Gy.
45. Lt Blue Gy.

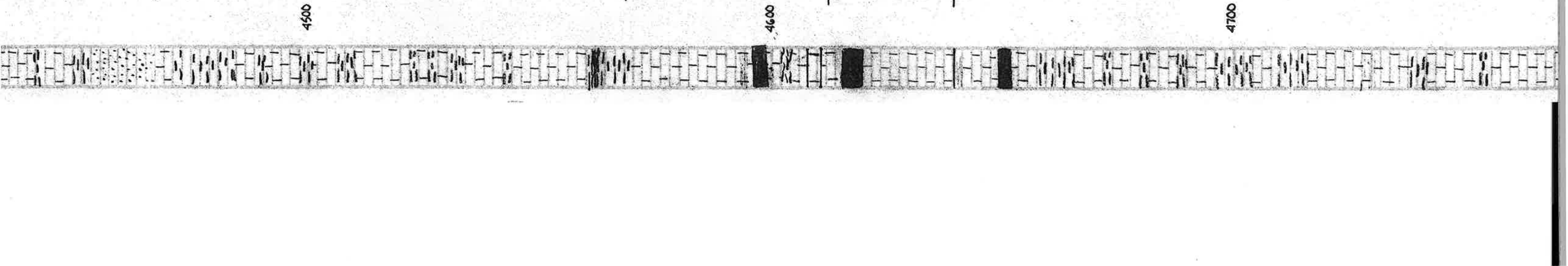
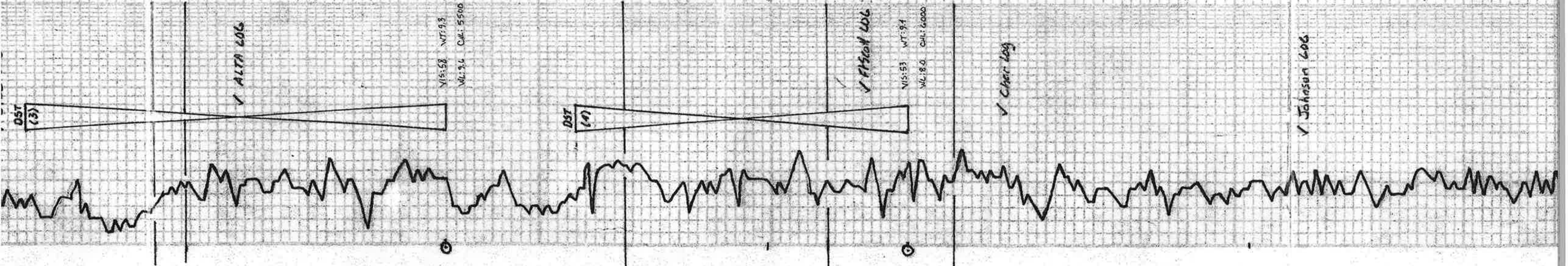


FORT SCOT 4612-4654
45. Br Gy. Dnt.
Sh. Lt Blue Gy.
45. Lt Blue Gy.
Sh. Lt Blue Gy.
45. Lt Blue Gy.

CHEROKEE 4640-4682
45. Br Gy. Dnt.
Sh. Lt Blue Gy.
45. Lt Blue Gy.
Sh. Lt Blue Gy.
45. Lt Blue Gy.

45. Br Gy. Dnt.
Sh. Lt Blue Gy.
45. Lt Blue Gy.
Sh. Lt Blue Gy.
45. Lt Blue Gy.

45. Br Gy. Dnt.
Sh. Lt Blue Gy.
45. Lt Blue Gy.
Sh. Lt Blue Gy.
45. Lt Blue Gy.



FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *M.W.*

SERVICE REPRESENTATIVE: *DL Scott*

CHEMICAL / ACID DATA:

TOTAL	6975.80
MATERIALS % TAX ON \$	
SERVICE & EQUIPMENT % TAX ON \$	
SUB TOTAL	11,092.78

Book Total

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
GP103	60140 doz				3360
GC200	Cement Gel		482.6		120.50
GC102	Cellulose		91.6		262.90
F100	Pickup mileage	Way	100 mi.		450
E101	Tok mileage	Way	200 mi.		1500
F113	Bulk Delv Charge		1005 ton/fin		3012.50
GE203	Pump Charge		4 hrs		1800
GE240	Blending + Mixing Charge		280 sk		392
5003	Secure Supr		8 hrs		195

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: *M.W.*

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

DATE OF JOB	11-2-18	DISTRICT	
CUSTOMER	L.D. Dalg Inc	LEASE	Wiles Trust 1-15
ADDRESS		COUNTY	Wichita
CITY		SERVICE CREW	1718
AUTHORIZED BY		JOB TYPE:	PTA M/W 242
EQUIPMENT#	89980-20920	HRS	2
EQUIPMENT#	19960-43768	HRS	2
ARRIVED AT JOB	11-2 AM 1600	TRUCK CALLED	11-2 AM 1000
START OPERATION	11-2 AM 1140		
FINISH OPERATION	11-2 AM 2035		
RELEASED	11-2 PM 2125		
MILES FROM STATION TO WELL	210		

FIELD SERVICE TICKET
 1718 16470 A

BASIC
 ENERGY SERVICES
 PRESSURE PUMPING & WIRELINE
 10244 NE Hwy. 61
 P.O. Box 8613
 Pratt, Kansas 67124
 Phone 620-672-1201

T.M.H. 45

TREATMENT REPORT

Customer	Lease No.	Lease #	Date	Well #
Field Order #	Station	Casing	Depth	County
Type Job		Legal Description		

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

Customer Representative		Station Manager		Treater	
Service Units	Driver Names				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:00					Called Log
11:05					in the work string
11:10	200	18.4	4		D.P. 00580' H2O Sp. 11.0' 11.0'
11:15	200	10.7	4		out tank - 13.7' H2O Sp. 11.0'
11:18	100	6.6	4		H2O Sp. 13.7' H2O Sp. 11.0'
11:22	100	21.8	7		R.P. 00580' H2O Sp. 11.0'
11:25	150	15.4	4		D.P. 01500' H2O Sp. 11.0' 11.0'
11:29	150	20.3	4		in tank - 13.7' H2O Sp. 11.0'
11:34	150	1.1	4		H2O Sp. 11.0'
11:37	150	10.9	5		R.P. 00580' H2O Sp. 11.0'
11:41	150	18.4	4		D.P. 01500' H2O Sp. 11.0' 11.0'
11:45	150	13.7	4		in tank - 13.7' H2O Sp. 11.0'
11:48	100	6.6	4		H2O Sp. 13.7' H2O Sp. 11.0'
11:49	100	21.8	7		R.P. 00580' H2O Sp. 11.0'
11:52	150	15.4	4		D.P. 01500' H2O Sp. 11.0' 11.0'
11:54	150	20.3	4		in tank - 13.7' H2O Sp. 11.0'
11:57	150	1.1	4		H2O Sp. 11.0'
12:00	150	10.9	5		R.P. 00580' H2O Sp. 11.0'
12:03	150	18.4	4		D.P. 01500' H2O Sp. 11.0' 11.0'
12:06	150	13.7	4		in tank - 13.7' H2O Sp. 11.0'
12:09	100	6.6	4		H2O Sp. 13.7' H2O Sp. 11.0'
12:12	100	21.8	7		R.P. 00580' H2O Sp. 11.0'
12:15	150	15.4	4		D.P. 01500' H2O Sp. 11.0' 11.0'
12:18	150	20.3	4		in tank - 13.7' H2O Sp. 11.0'
12:21	150	1.1	4		H2O Sp. 11.0'
12:24	150	10.9	5		R.P. 00580' H2O Sp. 11.0'
12:27	150	18.4	4		D.P. 01500' H2O Sp. 11.0' 11.0'
12:30	150	13.7	4		in tank - 13.7' H2O Sp. 11.0'
12:33	100	6.6	4		H2O Sp. 13.7' H2O Sp. 11.0'
12:36	100	21.8	7		R.P. 00580' H2O Sp. 11.0'
12:39	150	15.4	4		D.P. 01500' H2O Sp. 11.0' 11.0'
12:42	150	20.3	4		in tank - 13.7' H2O Sp. 11.0'
12:45	150	1.1	4		H2O Sp. 11.0'
12:48	150	10.9	5		R.P. 00580' H2O Sp. 11.0'
12:51	150	18.4	4		D.P. 01500' H2O Sp. 11.0' 11.0'
12:54	150	13.7	4		in tank - 13.7' H2O Sp. 11.0'
12:57	100	6.6	4		H2O Sp. 13.7' H2O Sp. 11.0'
13:00	100	21.8	7		R.P. 00580' H2O Sp. 11.0'
13:03	150	15.4	4		D.P. 01500' H2O Sp. 11.0' 11.0'
13:06	150	20.3	4		in tank - 13.7' H2O Sp. 11.0'
13:09	150	1.1	4		H2O Sp. 11.0'
13:12	150	10.9	5		R.P. 00580' H2O Sp. 11.0'
13:15	150	18.4	4		D.P. 01500' H2O Sp. 11.0' 11.0'
13:18	150	13.7	4		in tank - 13.7' H2O Sp. 11.0'
13:21	100	6.6	4		H2O Sp. 13.7' H2O Sp. 11.0'
13:24	100	21.8	7		R.P. 00580' H2O Sp. 11.0'
13:27	150	15.4	4		D.P. 01500' H2O Sp. 11.0' 11.0'
13:30	150	20.3	4		in tank - 13.7' H2O Sp. 11.0'
13:33	150	1.1	4		H2O Sp. 11.0'
13:36	150	10.9	5		R.P. 00580' H2O Sp. 11.0'
13:39	150	18.4	4		D.P. 01500' H2O Sp. 11.0' 11.0'
13:42	150	13.7	4		in tank - 13.7' H2O Sp. 11.0'
13:45	100	6.6	4		H2O Sp. 13.7' H2O Sp. 11.0'
13:48	100	21.8	7		R.P. 00580' H2O Sp. 11.0'
13:51	150	15.4	4		D.P. 01500' H2O Sp. 11.0' 11.0'
13:54	150	20.3	4		in tank - 13.7' H2O Sp. 11.0'
13:57	150	1.1	4		H2O Sp. 11.0'
14:00	150	10.9	5		R.P. 00580' H2O Sp. 11.0'
14:03	150	18.4	4		D.P. 01500' H2O Sp. 11.0' 11.0'
14:06	150	13.7	4		in tank - 13.7' H2O Sp. 11.0'
14:09	100	6.6	4		H2O Sp. 13.7' H2O Sp. 11.0'
14:12	100	21.8	7		R.P. 00580' H2O Sp. 11.0'
14:15	150	15.4	4		D.P. 01500' H2O Sp. 11.0' 11.0'
14:18	150	20.3	4		in tank - 13.7' H2O Sp. 11.0'
14:21	150	1.1	4		H2O Sp. 11.0'
14:24	150	10.9	5		R.P. 00580' H2O Sp. 11.0'
14:27	150	18.4	4		D.P. 01500' H2O Sp. 11.0' 11.0'
14:30	150	13.7	4		in tank - 13.7' H2O Sp. 11.0'
14:33	100	6.6	4		H2O Sp. 13.7' H2O Sp. 11.0'
14:36	100	21.8	7		R.P. 00580' H2O Sp. 11.0'
14:39	150	15.4	4		D.P. 01500' H2O Sp. 11.0' 11.0'
14:42	150	20.3	4		in tank - 13.7' H2O Sp. 11.0'
14:45	150	1.1	4		H2O Sp. 11.0'
14:48	150	10.9	5		R.P. 00580' H2O Sp. 11.0'
14:51	150	18.4	4		D.P. 01500' H2O Sp. 11.0' 11.0'
14:54	150	13.7	4		in tank - 13.7' H2O Sp. 11.0'
14:57	100	6.6	4		H2O Sp. 13.7' H2O Sp. 11.0'
15:00	100	21.8	7		R.P. 00580' H2O Sp. 11.0'

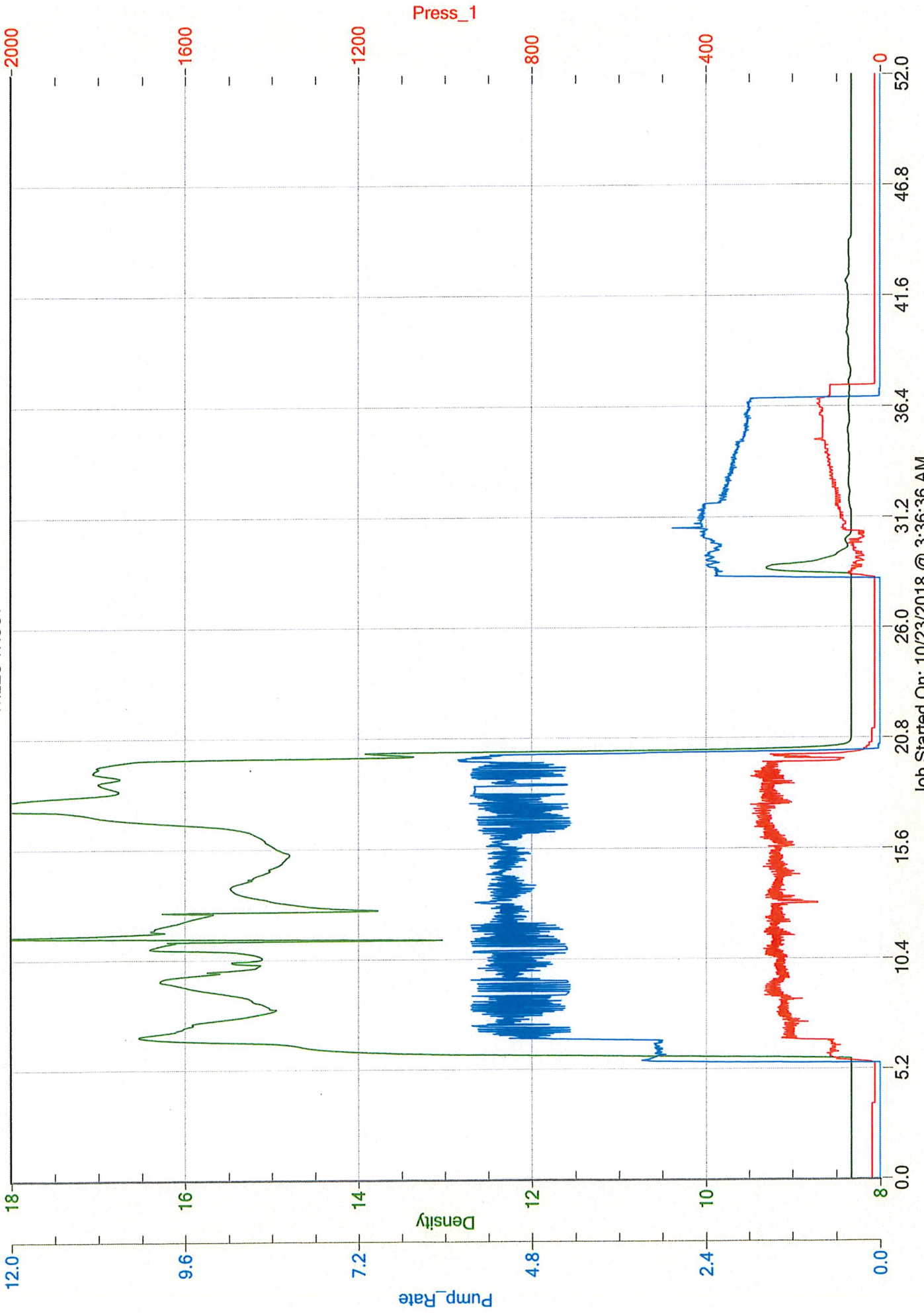


Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

PRESSURE PUMPING Job Log

Customer:	LD DRILLING		Cement Pump No.:	38750-19842 7 HRS		Operator TRK No.:	96815			
Address:			Ticket #:	1718-15995 L		Bulk TRK No.:	19827-19883			
City, State, Zip:			Job Type:	Z42 - Cement Surface Casing						
Service District:	1718-LIBERAL		Well Type:	OIL						
Well Name and No.:	Wiles Trust 1-15		Well Location:	16,16,37	County:	Wichita	State:	Ks		
Type of Cmt	Sacks	Additives				Truck Loaded On				
60/40 POZ	325	3%CaCl, 1/4#POLYFLAKE				19827-19883	Front	Back		
							Front	Back		
							Front	Back		
Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements		CU. FT.	Man Hours / Personnel				
Lead:	14.8	1.21	5.18		393.25	Man Hours:	38			
Tail:						# of Men on Job:	3			
Time (am/pm)	(BPM)	Volume (BBLS)	Pumps		Pressure(PSI)		Description of Operation and Materials			
			T	C	Tubing	Casing				
21:00							ON LOC, SAFTEY MTG, R.U.			
3:42	5					180	START MIXING @ 14.8#			
4:00 AM		70					SHUT DOWN, DROP PLUG			
4:05 AM	2.3					40	START DISP, WASHUP			
4:14 AM		19.5				120	SHUT IN WELL			
							JOB COMPLETE			
							THANK YOU FOR YOUR BUSINESS!!!			
Size Hole	12 1/4	Depth	346'			TYPE				
Size & Wt. Csg.	8 5/8 24	Depth	346'	New / Used		Packer		Depth		
tbg.		Depth				Retainer		Depth		
Top Plugs		Type				Perfs		CIBP		
Customer Signature:						Basic Representative:		CHAD HINZ		
						Basic Signature:				
						Date of Service:		10/23/2018		

L.D. DRILLING
WILES TRUST



Job Started On: 10/23/2018 @ 3:36:36 AM