

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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APR. # 15-179-21422-00-00
 G E O L O G I C A L R E P O R T
 DRILLING TIME AND SAMPLE LOG
 COMPANY **RT Investments, LLC**
 LEASE **Part 4, #1-35**
 FIELD **Harvie West**
 LOCATION **SW SW NW**
 SEC. **35** TWP. **R5** RGE. **29W**
 COUNTY **Shelburne** STATE **Kansas**
 CONTRACTION **STP Dlg. Rig #1**
 SPUD **2-15-18** COMP. **2-24-18**
 SAMPLES SAVED FROM **3500'** TO **R.T.D.**
 FORMATION TOPS AND STRUCTURAL POSITION

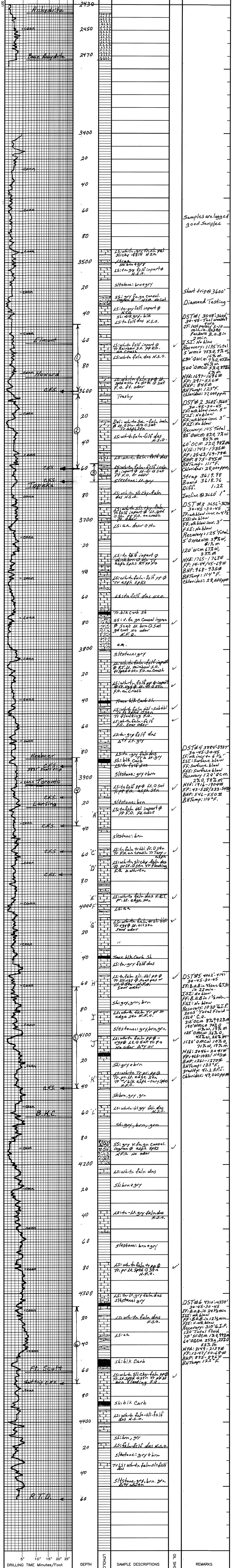
FORMATION	START	E. LOG	DEPTH
Alshulerite	2437	2434 + 392	7 393
Rock Anhydrite	2473	2469 + 355	
Howard	3523	3522 - 728	- 725
Howard	3589	3582 - 722	- 723
Tapelka	3675	3672 - 822	- 824
Heabner	3885	3882 - 1058	- 1054
Lansing	3906	3904 - 1084	- 1087
Rock Kansas City	4123	4120 - 1084	- 1082
Ft. Scott	4361	4358 - 1534	- 1527
Total Depth	4460	4461 - 1537	- 1720

Geologic Resources: State/owner #, SE NE Sec. 34-35-29W

REMARKS
 This well ran 5 feet lower on the Lansing top than the reference well. Encouraging
 drill stem test results warranted the cementing of production casing to further
 test the well. The following zones should be tested: 4364'-4366', 4098'-4100',
 4049'-4057', 3921'-3927', 3904'-3908', 3824'-3828', 3684'-3686' and
 3659'-3661'.
 Richard B. Bell
 2-25-18

LEGEND

Anhydrite	Salt	Sandstone	Shale	Carb sh	Limestone	Ool. Lime	Chert	Dolomite



DRILLING TIME Minutes/Foot

CONTRACTOR _____ LOCATION _____

LEASE _____ IP _____ SEC. _____ TWP _____ RNG _____

ELEVATION _____ RTD _____ COUNTY _____ STATE _____



**Company: R. L. Investment,
LLC**
Lease: Pratt "A" #1-35

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

DATE
February
18
2018

DST #1 **Formation: Howard** **Test Interval: 3548 - 3600'** **Total Depth: 3600'**

Time On: 20:26 02/18 Time Off: 07:07 02/19
Time On Bottom: 23:52 02/18 Time Off Bottom: 01:40 02/19

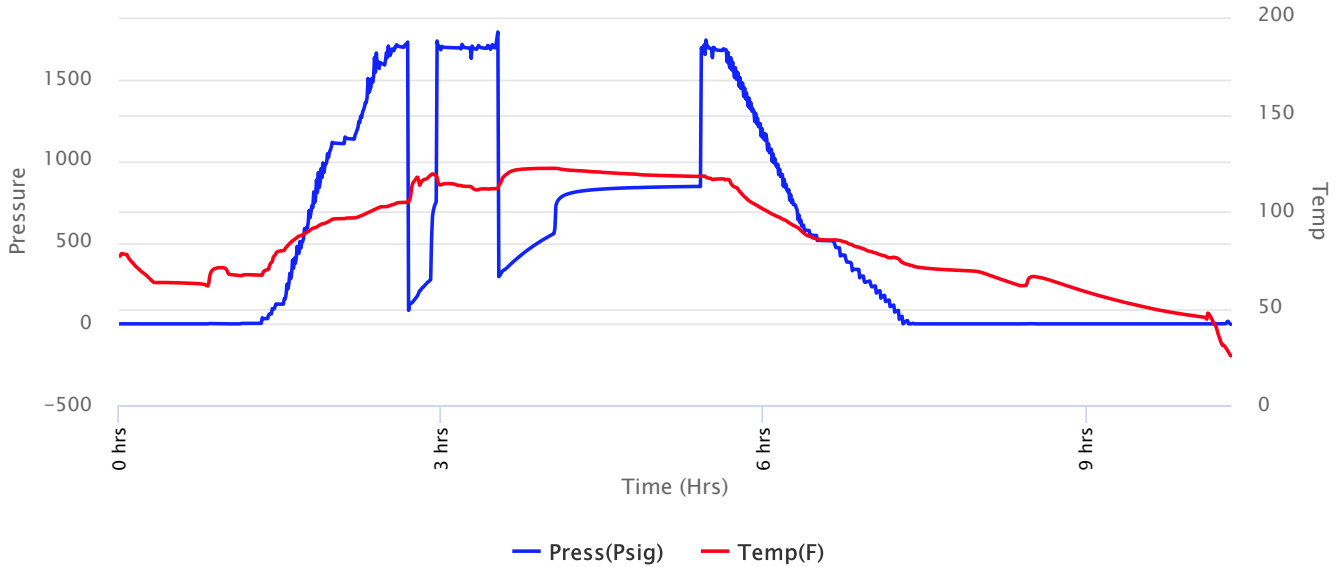
Electronic Volume
Estimate:
848'

1st Open
Minutes: 30
81.6" at 30 min

1st Close
Minutes: 45
0" at 45 min

2nd Open
Minutes: 30
0" at 30 min

2nd Close
Minutes: 75
0" at 75 min





Company: R. L. Investment, LLC
Lease: Pratt "A" #1-35

SEC: 35 TWN: 8S RNG: 29W
 County: SHERIDAN
 State: Kansas
 Drilling Contractor: STP Drilling, LLC - Rig 1
 Elevation: 2818 EGL
 Field Name: Hoxie West
 Pool: Infield
 Job Number: 114

DATE
 February
18
 2018

DST #1 **Formation: Howard** **Test Interval: 3548 - 3600'** **Total Depth: 3600'**

Time On: 20:26 02/18 Time Off: 07:07 02/19
 Time On Bottom: 23:52 02/18 Time Off Bottom: 01:40 02/19

Recovered

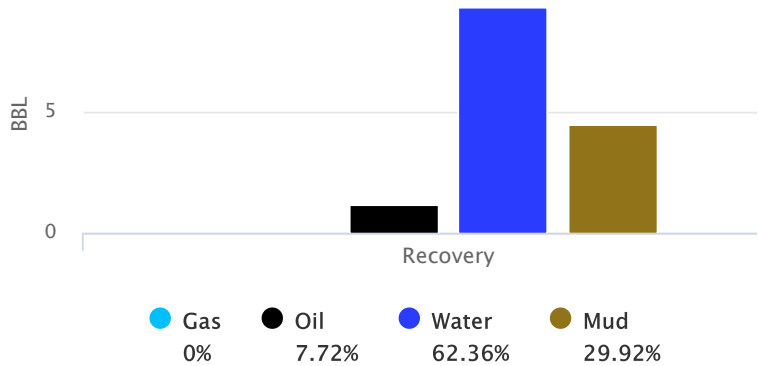
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
5	0.07115	SLWCSLMCO	0	75	9	16
630	8.9649	SLOCHWCM	0	9	45	46
500	5.9868142	SLOCSLMCW	0	5	89	6

Total Recovered: 1135 ft

Total Barrels Recovered: 15.0228642

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1697	PSI
Initial Flow	291 to 556	PSI
Initial Closed in Pressure	845	PSI
Final Flow Pressure	0 to 0	PSI
Final Closed in Pressure	0	PSI
Final Hydrostatic Pressure	1696	PSI
Temperature	123	°F
Pressure Change Initial Close / Final Close	100.0	%



**Company: R. L. Investment,
LLC
Lease: Pratt "A" #1-35**

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

<p>DATE February 18 2018</p>
--

DST #1	Formation: Howard	Test Interval: 3548 - 3600'	Total Depth: 3600'
	Time On: 20:26 02/18	Time Off: 07:07 02/19	
	Time On Bottom: 23:52 02/18	Time Off Bottom: 01:40 02/19	

REMARKS:

Initial Flow: Blow increasing. BOB in 3 mins.
Initial Shut-in: No blow back.
Final Flow: No blow.
Final Shut-in: No blow back.

Tool slid about 5 ft. the first time we set packers. Lost packer seat 5-10 mins. into initial flow.

The tool wouldn't turn for the final shut-in, so we must not have gotten a final flow period.

The tool was packed with sand & rock; therefore, it wouldn't turn for the final shut-in. When we opened it back up, it only took 11 turns instead of 15-17; therefore, that's how we knew it was packed too full to turn it.

Tool Sample: Trace oil, 100% water

Ph: 5.0

RW: .16 @ 46 degrees F

Chlorides: 77,000 ppm



**Company: R. L. Investment,
LLC
Lease: Pratt "A" #1-35**

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

<p>DATE February 18 2018</p>
--

DST #1 Formation: Howard Test Interval: 3548 - Total Depth: 3600'
3600'

Time On: 20:26 02/18 Time Off: 07:07 02/19
Time On Bottom: 23:52 02/18 Time Off Bottom: 01:40 02/19

Down Hole Makeup

Heads Up: 18.55 FT	Packer 1: 3542.8 FT
Drill Pipe: 3412.6 FT <i>ID-3 1/2</i>	Packer 2: 3547.8 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3532.22 FT
Collars: 121.18 FT <i>ID-2 1/4</i>	Bottom Recorder: 3588 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: 52.2	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 5 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 31.20 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 13 FT <i>4 1/2-FH</i>	



**Company: R. L. Investment,
LLC
Lease: Pratt "A" #1-35**

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

<p>DATE February 18 2018</p>
--

DST #1 Formation: Howard Test Interval: 3548 - Total Depth: 3600'
3600'

Time On: 20:26 02/18 Time Off: 07:07 02/19
Time On Bottom: 23:52 02/18 Time Off Bottom: 01:40 02/19

Mud Properties

Mud Type: Chemical **Weight:** 8.6 **Viscosity:** 58 **Filtrate:** 6.8 **Chlorides:** 900 ppm



**Company: R. L. Investment,
LLC**
Lease: Pratt "A" #1-35

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

DATE
February
19
2018

DST #2 **Formation: Lower Wabaunsee** **Test Interval: 3602 - 3660'** **Total Depth: 3660'**
Time On: 15:34 02/19 Time Off: 23:00 02/19
Time On Bottom: 18:11 02/19 Time Off Bottom: 20:41 02/19

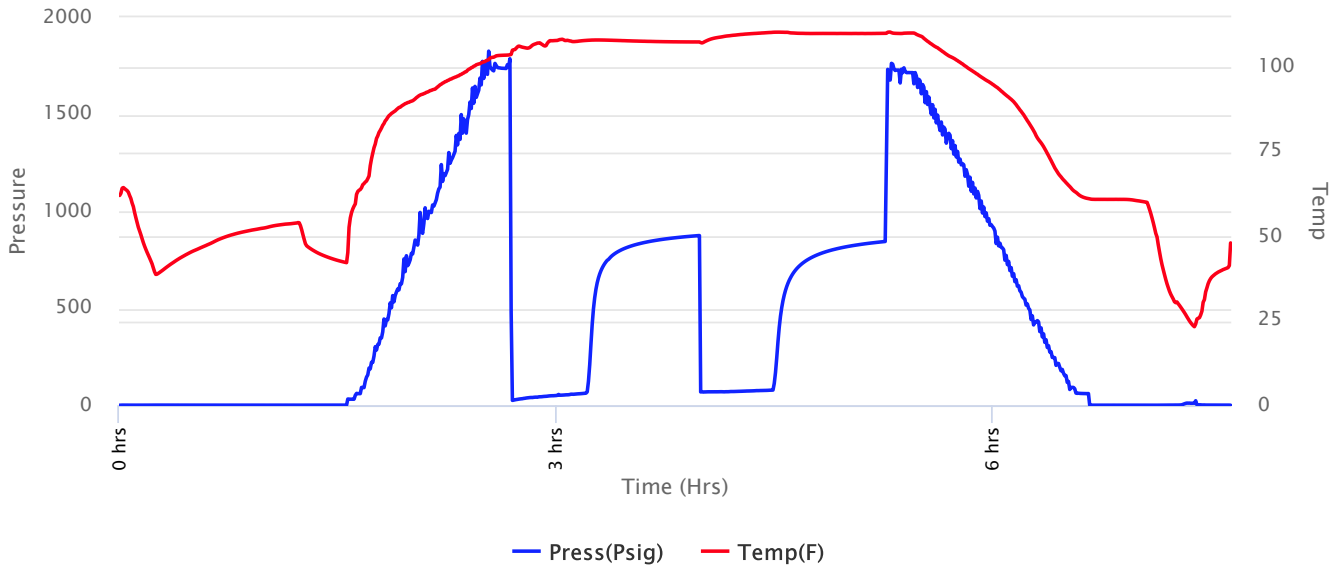
Electronic Volume Estimate:
162'

1st Open
Minutes: 30
5.6" at 30 min

1st Close
Minutes: 45
0" at 45 min

2nd Open
Minutes: 30
3.1" at 30 min

2nd Close
Minutes: 45
0" at 45 min





Company: R. L. Investment, LLC
Lease: Pratt "A" #1-35

SEC: 35 TWN: 8S RNG: 29W
 County: SHERIDAN
 State: Kansas
 Drilling Contractor: STP Drilling, LLC - Rig 1
 Elevation: 2818 EGL
 Field Name: Hoxie West
 Pool: Infield
 Job Number: 114

DATE
 February
19
 2018

DST #2 **Formation: Lower Wabaunsee** **Test Interval: 3602 - 3660'** **Total Depth: 3660'**
 Time On: 15:34 02/19 Time Off: 23:00 02/19
 Time On Bottom: 18:11 02/19 Time Off Bottom: 20:41 02/19

Recovered

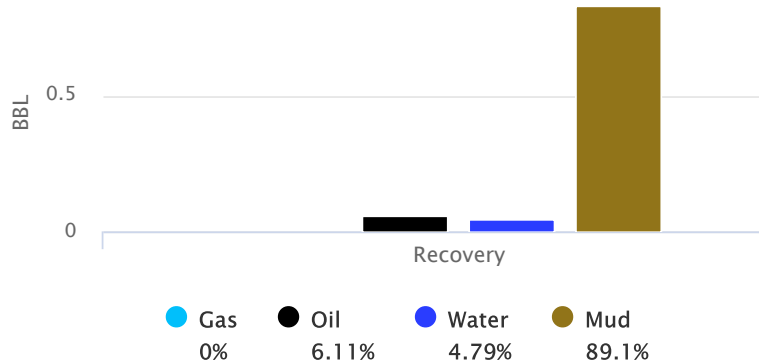
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
85	0.6399642	SLWCSLOCM	0	8	7	85
60	0.2952	SLOCM	0	2	0	98

Total Recovered: 145 ft
 Total Barrels Recovered: 0.9351642

Reversed Out
 NO

Recovery at a glance

Initial Hydrostatic Pressure	1743	PSI
Initial Flow	25 to 63	PSI
Initial Closed in Pressure	875	PSI
Final Flow Pressure	69 to 79	PSI
Final Closed in Pressure	845	PSI
Final Hydrostatic Pressure	1735	PSI
Temperature	111	°F
Pressure Change Initial Close / Final Close	3.5	%





**Company: R. L. Investment,
LLC
Lease: Pratt "A" #1-35**

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

DATE February 19 2018
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DST #2	Formation: Lower Wabaunsee	Test Interval: 3602 - 3660'	Total Depth: 3660'
	Time On: 15:34 02/19	Time Off: 23:00 02/19	
	Time On Bottom: 18:11 02/19	Time Off Bottom: 20:41 02/19	

REMARKS:

Initial Flow: 5 in. blow.
Initial Shut-in: No blow back.
Final Flow: 3 in. blow.
Final Shut-in: No blow back.

Tool Sample: 5% oil, 18% water, 77% mud

Tool slid 4-5 ft. when setting tool.

Ph: 7.0

RW: .42 @ 44 degrees F

Chlorides: 28,000 ppm



**Company: R. L. Investment,
LLC**

Lease: Pratt "A" #1-35

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

DATE February 19 2018
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DST #2	Formation: Lower Wabaunsee	Test Interval: 3602 - 3660'	Total Depth: 3660'
	Time On: 15:34 02/19	Time Off: 23:00 02/19	
	Time On Bottom: 18:11 02/19	Time Off Bottom: 20:41 02/19	

Down Hole Makeup

Heads Up: 19.93 FT	Packer 1: 3597.13 FT
Drill Pipe: 3475.72 FT <i>ID-3 1/2</i>	Packer 2: 3602.13 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3589.13 FT
Collars: 121.18 FT <i>ID-2 1/4</i>	Bottom Recorder: 3643 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 57.87	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 5 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 31.87 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 18 FT <i>4 1/2-FH</i>	



**Company: R. L. Investment,
LLC**

Lease: Pratt "A" #1-35

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

<p>DATE February 19 2018</p>
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DST #2	Formation: Lower Wabaunsee	Test Interval: 3602 - 3660'	Total Depth: 3660'
	Time On: 15:34 02/19	Time Off: 23:00 02/19	
	Time On Bottom: 18:11 02/19	Time Off Bottom: 20:41 02/19	

Mud Properties

Mud Type: Chemical **Weight:** 9.2 **Viscosity:** 59 **Filtrate:** 7.2 **Chlorides:** 6,200 ppm



**Company: R. L. Investment,
LLC**
Lease: Pratt "A" #1-35

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

DATE
February
20
2018

DST #3 **Formation: Severy** **Test Interval: 3656 - 3670'** **Total Depth: 3670'**
Time On: 05:10 02/20 Time Off: 13:32 02/20
Time On Bottom: 08:38 02/20 Time Off Bottom: 11:08 02/20

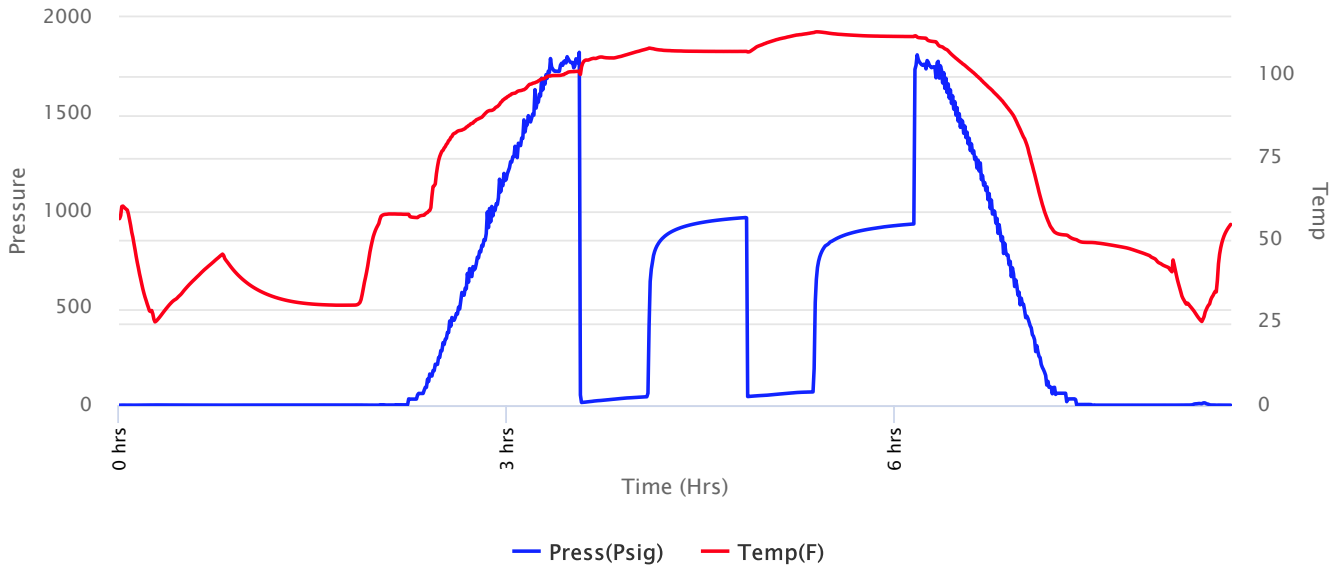
Electronic Volume
Estimate:
142'

1st Open
Minutes: 30
3.9" at 30 min

1st Close
Minutes: 45
0" at 45 min

2nd Open
Minutes: 30
2.6" at 30 min

2nd Close
Minutes: 45
0" at 45 min





Company: R. L. Investment, LLC
Lease: Pratt "A" #1-35

SEC: 35 TWN: 8S RNG: 29W
 County: SHERIDAN
 State: Kansas
 Drilling Contractor: STP Drilling, LLC - Rig 1
 Elevation: 2818 EGL
 Field Name: Hoxie West
 Pool: Infield
 Job Number: 114

DATE
 February
20
 2018

DST #3 Formation: Severy Test Interval: 3656 - 3670' Total Depth: 3670'
 Time On: 05:10 02/20 Time Off: 13:32 02/20
 Time On Bottom: 08:38 02/20 Time Off Bottom: 11:08 02/20

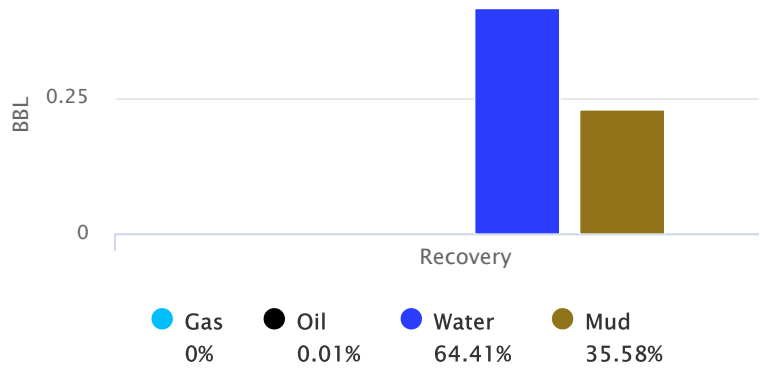
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
5	0.0601642	HWCM (trace oil)	0	.1	39	60.9
120	0.5904	HMCW	0	0	67	33

Total Recovered: 125 ft
 Total Barrels Recovered: 0.6505642

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1765	PSI
Initial Flow	14 to 44	PSI
Initial Closed in Pressure	968	PSI
Final Flow Pressure	45 to 69	PSI
Final Closed in Pressure	935	PSI
Final Hydrostatic Pressure	1763	PSI
Temperature	114	°F
Pressure Change Initial Close / Final Close	3.4	%



**Company: R. L. Investment,
LLC
Lease: Pratt "A" #1-35**

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

<p>DATE February 20 2018</p>
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DST #3 Formation: Severy Test Interval: 3656 - Total Depth: 3670'
3670'

Time On: 05:10 02/20 Time Off: 13:32 02/20
Time On Bottom: 08:38 02/20 Time Off Bottom: 11:08 02/20

REMARKS:

Initial Flow: 4 1/2 in. blow.

Initial Shut-in: No blow back.

Final Flow: 3 in. blow.

Final Shut-in: Surface blow back

Tool Sample: 97% water, 3% mud

Diesel in bucket.

Ph: 6.0

RW: .34 @ 49 degrees F

Chlorides: 28,000 ppm



**Company: R. L. Investment,
LLC**

Lease: Pratt "A" #1-35

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

DATE February 20 2018
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DST #3 Formation: Severy Test Interval: 3656 - Total Depth: 3670'
3670'
Time On: 05:10 02/20 Time Off: 13:32 02/20
Time On Bottom: 08:38 02/20 Time Off Bottom: 11:08 02/20

Down Hole Makeup

Heads Up: 29.63 FT	Packer 1: 3651 FT
Drill Pipe: 3539.29 FT <i>ID-3 1/2</i>	Packer 2: 3656 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3643 FT
Collars: 121.18 FT <i>ID-2 1/4</i>	Bottom Recorder: 3658 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 14	Surface Choke: 1"
Anchor Makeup	
Packer Sub: 1 FT	Bottom Choke: 5/8"
Perforations: (top): 0 FT <i>4 1/2-FH</i>	
Change Over: 0 FT	
Drill Pipe: (in anchor): 0 FT <i>ID-3 1/2</i>	
Change Over: 0 FT	
Perforations: (below): 13 FT <i>4 1/2-FH</i>	



**Company: R. L. Investment,
LLC
Lease: Pratt "A" #1-35**

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

DATE February 20 2018
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DST #3 Formation: Severy Test Interval: 3656 - Total Depth: 3670'
3670'
Time On: 05:10 02/20 Time Off: 13:32 02/20
Time On Bottom: 08:38 02/20 Time Off Bottom: 11:08 02/20

Mud Properties

Mud Type: Chemical **Weight:** 9.1 **Viscosity:** 61 **Filtrate:** 7.2 **Chlorides:** 5,600 ppm



Company: R. L. Investment, LLC

Lease: Pratt "A" #1-35

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC - Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

DATE
February
21
2018

DST #4 **Formation: Toronto-L/KC "A"** **Test Interval: 3884 - 3937'** **Total Depth: 3937'**
Time On: 09:39 02/21 Time Off: 16:25 02/21
Time On Bottom: 11:56 02/21 Time Off Bottom: 14:26 02/21

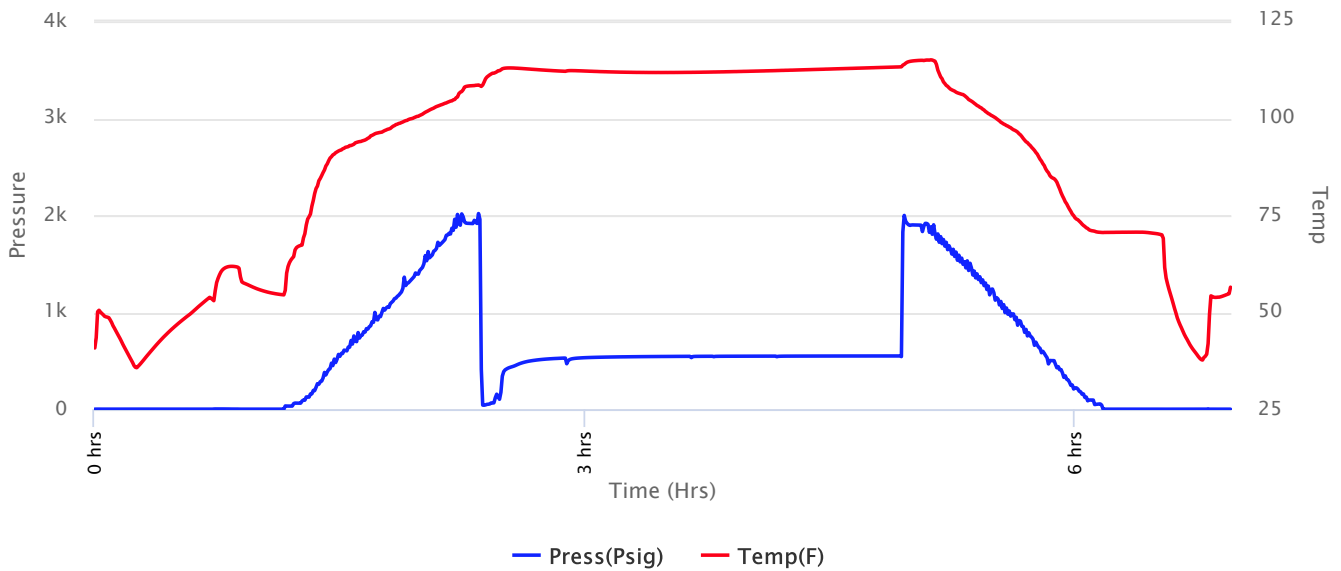
Electronic Volume Estimate:
140'

1st Open
Minutes: 30
5.9" at 30 min

1st Close
Minutes: 45
0" at 45 min

2nd Open
Minutes: 30
0" at 30 min

2nd Close
Minutes: 45
0" at 45 min





**Company: R. L. Investment,
LLC**
Lease: Pratt "A" #1-35

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

DATE
February
21
2018

DST #4 **Formation: Toronto-
L/KC "A"** **Test Interval: 3884 -
3937'** **Total Depth: 3937'**
Time On: 09:39 02/21 Time Off: 16:25 02/21
Time On Bottom: 11:56 02/21 Time Off Bottom: 14:26 02/21

Recovered

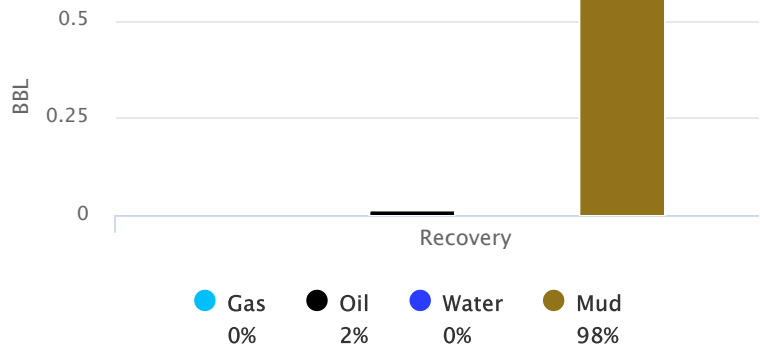
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
120	0.5904	SLOCM	0	2	0	98

Total Recovered: 120 ft
Total Barrels Recovered: 0.5904

Reversed Out
NO

Initial Hydrostatic Pressure	1916	PSI
Initial Flow	43 to 528	PSI
Initial Closed in Pressure	546	PSI
Final Flow Pressure	533 to 548	PSI
Final Closed in Pressure	550	PSI
Final Hydrostatic Pressure	1904	PSI
Temperature	114	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance





**Company: R. L. Investment,
LLC
Lease: Pratt "A" #1-35**

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

<p>DATE February 21 2018</p>
--

DST #4	Formation: Toronto- L/KC "A"	Test Interval: 3884 - 3937'	Total Depth: 3937'
	Time On: 09:39 02/21	Time Off: 16:25 02/21	
	Time On Bottom: 11:56 02/21	Time Off Bottom: 14:26 02/21	

REMARKS:

Initial Flow: 6 1/2 in. blow.
Initial Shut-in: Surface blow back.
Final Flow: Surface blow.
Final Shut-in: Surface blow back.

Tool Sample: 3% oil, 97% mud

Diesel in bucket.



**Company: R. L. Investment,
LLC**

Lease: Pratt "A" #1-35

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

DATE February 21 2018
--

DST #4 **Formation: Toronto-
L/KC "A"** **Test Interval: 3884 -
3937'** **Total Depth: 3937'**

Time On: 09:39 02/21 Time Off: 16:25 02/21
Time On Bottom: 11:56 02/21 Time Off Bottom: 14:26 02/21

Down Hole Makeup

Heads Up: 23.22 FT	Packer 1: 3878.68 FT
Drill Pipe: 3760.56 FT <i>ID-3 1/2</i>	Packer 2: 3883.68 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3870.68 FT
Collars: 121.18 FT <i>ID-2 1/4</i>	Bottom Recorder: 3921 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 53.32	Surface Choke: 1"
Anchor Makeup	
Packer Sub: 1 FT	Bottom Choke: 5/8"
Perforations: (top): 2 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 31.32 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 17 FT <i>4 1/2-FH</i>	



**Company: R. L. Investment,
LLC
Lease: Pratt "A" #1-35**

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

DATE February 22 2018
--

DST #5	Formation: L/KC "J&K"	Test Interval: 4062 - 4141'	Total Depth: 4141'
	Time On: 11:35 02/22	Time Off: 21:14 02/22	
	Time On Bottom: 13:53 02/22	Time Off Bottom: 16:23 02/22	

REMARKS:

Initial Flow: Blow increasing. BOB in 45 secs. GTS in 22 mins.

Initial Shut-in: No blow back.

Final Flow: Blow increasing. BOB in 1 1/2 mins.

Final Shut-in: No blow back.

Tool Sample: 2% oil, 85% water, 13% mud

Diesel in bucket.

Gravity: 41.2 @ 60 degrees F

Ph: 6.0

RW: .18 @ 52 degrees F

Chlorides: 49,000 ppm



**Company: R. L. Investment,
LLC**

Lease: Pratt "A" #1-35

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

DATE February 22 2018
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DST #5	Formation: L/KC "J&K"	Test Interval: 4062 - 4141'	Total Depth: 4141'
	Time On: 11:35 02/22	Time Off: 21:14 02/22	
	Time On Bottom: 13:53 02/22	Time Off Bottom: 16:23 02/22	

Down Hole Makeup

Heads Up: 34.44 FT	Packer 1: 4056.92 FT
Drill Pipe: 3950.02 FT <i>ID-3 1/2</i>	Packer 2: 4061.92 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4048.92 FT
Collars: 121.18 FT <i>ID-2 1/4</i>	Bottom Recorder: 4131 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 79.08	Surface Choke: 1"
Anchor Makeup	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): 63.08 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 11 FT <i>4 1/2-FH</i>	



**Company: R. L. Investment,
LLC
Lease: Pratt "A" #1-35**

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

<p>DATE February 22 2018</p>
--

DST #5	Formation: L/KC "J&K"	Test Interval: 4062 - 4141'	Total Depth: 4141'
	Time On: 11:35 02/22	Time Off: 21:14 02/22	
	Time On Bottom: 13:53 02/22	Time Off Bottom: 16:23 02/22	

Mud Properties

Mud Type: Chemical **Weight:** 9.2 **Viscosity:** 61 **Filtrate:** 7.2 **Chlorides:** 3,800 ppm



**Company: R. L. Investment,
LLC**
Lease: Pratt "A" #1-35

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

DATE
February
23
2018

DST #6 **Formation: Fort Scott** **Test Interval: 4310 - 4370'** **Total Depth: 4370'**
Time On: 21:44 02/23 Time Off: 05:06 02/24
Time On Bottom: 00:23 02/24 Time Off Bottom: 02:53 02/24

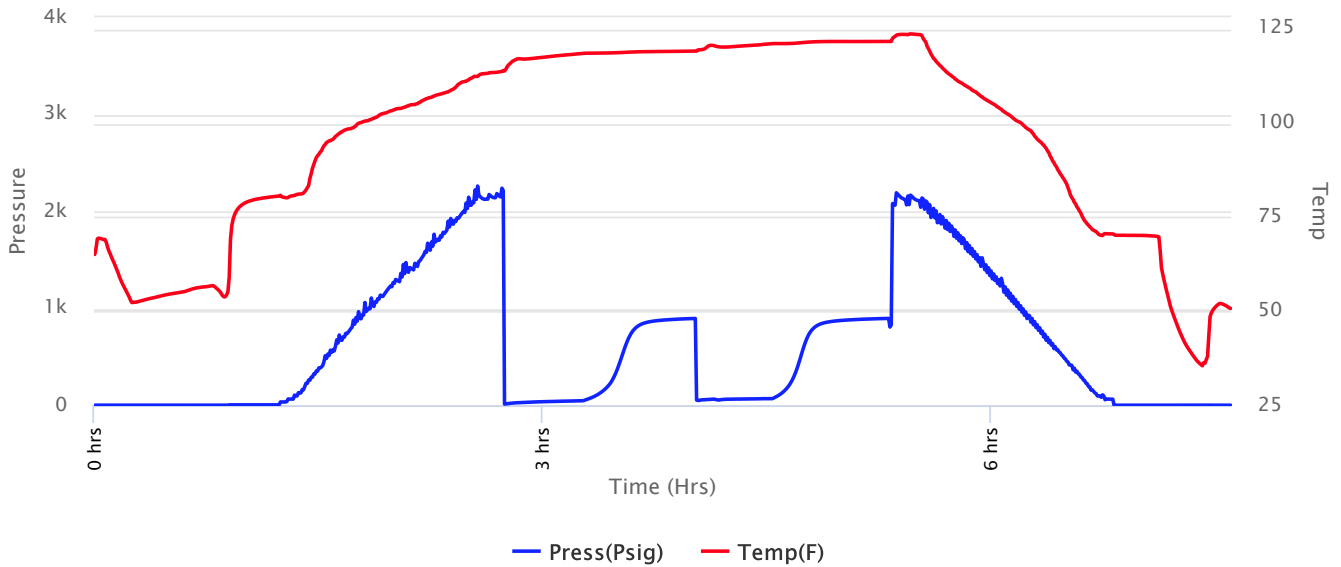
Electronic Volume Estimate:
387'

1st Open
Minutes: 30
11.6" at 30 min

1st Close
Minutes: 45
0" at 45 min

2nd Open
Minutes: 30
15.7" at 30 min

2nd Close
Minutes: 45
0" at 45 min





Company: R. L. Investment, LLC
Lease: Pratt "A" #1-35

SEC: 35 TWN: 8S RNG: 29W
 County: SHERIDAN
 State: Kansas
 Drilling Contractor: STP Drilling, LLC - Rig 1
 Elevation: 2818 EGL
 Field Name: Hoxie West
 Pool: Infield
 Job Number: 114

DATE
 February
23
 2018

DST #6 **Formation: Fort Scott** **Test Interval: 4310 - 4370'** **Total Depth: 4370'**
 Time On: 21:44 02/23 Time Off: 05:06 02/24
 Time On Bottom: 00:23 02/24 Time Off Bottom: 02:53 02/24

Recovered

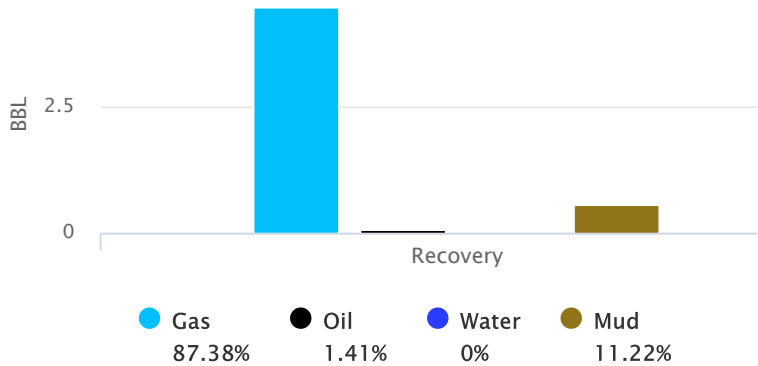
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
310	4.4113	G	100	0	0	0
70	0.4265142	SLOCM	0	1	0	99
60	0.2952	OCGCM	25	23	0	52

Total Recovered: 440 ft
 Total Barrels Recovered: 5.1330142

Reversed Out
 NO

Initial Hydrostatic Pressure	2149	PSI
Initial Flow	12 to 47	PSI
Initial Closed in Pressure	895	PSI
Final Flow Pressure	50 to 68	PSI
Final Closed in Pressure	896	PSI
Final Hydrostatic Pressure	2139	PSI
Temperature	122	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance





**Company: R. L. Investment,
LLC
Lease: Pratt "A" #1-35**

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

DATE February 23 2018
--

DST #6	Formation: Fort Scott	Test Interval: 4310 - 4370'	Total Depth: 4370'
	Time On: 21:44 02/23	Time Off: 05:06 02/24	
	Time On Bottom: 00:23 02/24	Time Off Bottom: 02:53 02/24	

REMARKS:

Initial Flow: Blow increasing. BOB in 24 1/2 mins.
Initial Shut-in: Surface blow back.
Final Flow: Blow increasing. BOB in 12 1/2 mins.
Final Shut-in: Very weak, surface blow back.

Tool Sample: 35% oil, 65% mud

Diesel in bucket.



**Company: R. L. Investment,
LLC**

Lease: Pratt "A" #1-35

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

DATE February 23 2018
--

DST #6 **Formation: Fort Scott** **Test Interval: 4310 - 4370'** **Total Depth: 4370'**

Time On: 21:44 02/23 Time Off: 05:06 02/24
Time On Bottom: 00:23 02/24 Time Off Bottom: 02:53 02/24

Down Hole Makeup

Heads Up: 6.51 FT	Packer 1: 4304.8 FT
Drill Pipe: 4169.97 FT <i>ID-3 1/2</i>	Packer 2: 4309.8 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4296.8 FT
Collars: 121.18 FT <i>ID-2 1/4</i>	Bottom Recorder: 4348 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 60.2	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 31.20 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 23 FT <i>4 1/2-FH</i>	



**Company: R. L. Investment,
LLC**

Lease: Pratt "A" #1-35

SEC: 35 TWN: 8S RNG: 29W
County: SHERIDAN
State: Kansas
Drilling Contractor: STP Drilling, LLC -
Rig 1
Elevation: 2818 EGL
Field Name: Hoxie West
Pool: Infield
Job Number: 114

<p>DATE February 23 2018</p>
--

DST #6	Formation: Fort Scott	Test Interval: 4310 - 4370'	Total Depth: 4370'
	Time On: 21:44 02/23	Time Off: 05:06 02/24	
	Time On Bottom: 00:23 02/24	Time Off Bottom: 02:53 02/24	

Mud Properties

Mud Type: Chemical **Weight:** 9.4 **Viscosity:** 65 **Filtrate:** 7.6 **Chlorides:** 3,600 ppm

REMIT TO
 RR 1 BOX 90 D
 HOXIE, KS 67740

SCHIPPERS OIL FIELD SERVICE L.L.C.

ACC 000620

DATE	SEC.	RANGE/TWP.	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
7/1/11	35	9/35			SD	KS
LEASE			WELL #			
Patch A			1-35			

CONTRACTOR	OWNER				
TYPE OF JOB	CEMENT				
HOLE SIZE	T.D.				
CASING SIZE	DEPTH		550		
TUBING SIZE	DEPTH				
DRILL PIPE	DEPTH				
TOOL	DEPTH				
PRES. MAX	MINIMUM		330	@	
DISPLACEMENT	SHOE JOINT		200	@	
CEMENT LEFT IN CSG.	GEL		20	@	
PERFS	CHLORIDE			@	
	ASC			@	
EQUIPMENT				@	
PUMP TRUCK				@	
#				@	
BULK TRUCK				@	
#				@	
BULK TRUCK				@	
#				@	
	HANDLING			@	
	MILEAGE			@	
					TOTAL

REMARKS	SERVICE				
	DEPT OF JOB		Top		Ste
	PUMP TRUCK CHARGE			@	
	EXTRA FOOTAGE			@	
	MILEAGE			@	
	MANIFOLD			@	
				@	
					TOTAL

CHARGES TO:	STATE
STREET	ZIP
CITY	

To: Schippers Oil Field Services L.L.C.

You are hereby requested to rent cementing equipment and furnish staff to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "TERMS AND CONDITIONS" listed on the reverse side.

PLUG & FLOAT EQUIPMENT	@	
	@	
	@	
	@	
	@	
	@	
	@	
TAX		TOTAL
TOTAL CHARGE		
DISCOUNT (IF PAID IN 20 DAYS)		

SIGNATURE

PRINTED NAME

