

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](mailto: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)</i> <i>(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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# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer <b>DIXON OPERATING</b>	Lease No.	Date
Lease <b>POUND</b>	Well # <b>3.34 TD</b>	<b>8-16-2018</b>
Field Order # <b>16907</b>	Station <b>PRATT, KS.</b>	County <b>STAFFORD</b> State <b>KS</b>
Type Job <b>5 1/2" L.S.</b>	Formation	Legal Description <b>34-23-12</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <b>5 1/2" X 17'</b>	Tubing Size <b>4 1/2" X 17'</b>	Shots/Ft	<b>CMTT -</b>	Acid <b>150 SKS AA2</b>	RATE	PRESS	ISIP	
Depth <b>4021'</b>	Depth	From	To	Pre Pad <b>@ 1.43 CUFT<sup>3</sup></b>	Max		5 Min.	
Volume <b>27.8 BBL</b>	Volume	From	To	Pad	Min		10 Min.	
Max Press <b>3000</b>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection <b>P.C.</b>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <b>4000'</b>	Packer Depth	From	To	Flush <b>92.8 BBL</b>	Gas Volume		Total Load	

Customer Representative <b>T.J.</b>	Station Manager <b>J.W.</b>	Treater <b>K. LESLEY</b>
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Service Units	<b>16531</b>	<b>27463</b>	<b>84981</b>	<b>19918</b>					
Driver Names	<b>LESLEY</b>	<b>MARQUEZ</b>	<b>TRIAZ</b>						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1:30 PM					ON LOCATION - SAFETY MEETING
3:00 PM					RUN JTS. 5 1/2" X 17" CSG.
					TURBO - 2, 3, 4, 6, 8, 10, 11, 12, 13, 14
					BASKET - ON TOP OF #5 COLLAR
10:15 AM					CSG. ON BOTTOM
1:30 PM					HOOK UP TO CSG. / BREAK CIRC. W/ RIG
1:30 AM	400		5	6	H <sub>2</sub> O AHEAD
1:24 AM	400		12	6	MUD FLUSH
1:26 AM	400		5	6	H <sub>2</sub> O SPACER
1:28 AM	400		6	6	MIX 85 SKS SCAVENGER @ 13.78 PPG
1:27 AM	300		40	6	MIX 150 SKS AA2 CMT. @ 15 PPG
1:35 AM					SHUT DOWN - CLEAR PUMP & LINES
1:42 AM	0		0	6	START DISPLACEMENT
1:53 AM	300		66	5	LIFT PRESSURE
1:58 AM	500		82	4	SLOW RATE
10 AM	1500		92.8	3	PLUG DOWN - HELD
					CIRC. THRU JOBS
1 AM			7.5	2	PLUG R.H. & M.H.
1 AM					JOB COMPLETE,
					THANKS -
					KEVEN LESLEY

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer Dixon Operating Lease No. 3-34 Date 6-9-18

Lease Pound Well # 3-34 Casing 6.625 Depth 310 County Shelford State KS

Field Order # 17047 Station 6.625" SW Gate casing Formation 2-42 Legal Description 34-225-12W

Type Job 6.625" SW Gate casing

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft	Acid	RATE	PRESS	ISIP		
<u>6.625</u>								
Depth <u>310</u>	Depth	From	Pre Pad	Max		5 Min.		
Volume <u>9.8</u>	Volume	From	Pad	Min		10 Min.		
Max Press <u>500</u>	Max Press	From	Frac	Avg		15 Min.		
Well Connection <u>6.625</u>	Annulus Vol.	From		HHP Used		Annulus Pressure		
Plug Depth <u>299.5</u>	Packer Depth	From	Flush	Gas Volume		Total Load		

Customer Representative Greg Cochran Station Manager Tyler Lyles Hermon Treater Fennit's Gards

Service Units	Driver Names	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<u>2130</u>	<u>EMMS</u>	<u>50kn</u>	<u>50kn</u>	<u>305h</u>	<u>305h</u>	
<u>2145</u>						
<u>0911</u>						
<u>0913</u>						
<u>0923</u>						
<u>0945</u>						
<u>0947</u>						
<u>0951</u>						
<u>0952</u>						
<u>1030</u>						

Arrive on location / safety meeting  
 Spot trucks, rig up equipment  
 Pump H2O spacer ahead  
 Start mixing 350sx 60/40 pot @ 14.8pph  
 139 sx away @ 14.8pph  
 End cement - 350sx s/d drop plug  
 Start H2O Displacement  
 End H2O Displacement shut in head  
 Shut in head  
 Rig down / leave location  
 Sarcement @ 5 gals into displacement =  
 11 bbls cement to surface

350 sx 60/40 Pot 3% calcium chloride  
 @ 25 PPS CILFLAKE  
 yield - 1.21 Frack water requirements - 5.18 gal/sx

Head left on location  
 Thank you!! Fennit's Gards







# CHARLES SCHMALTZ

CONSULTING GEOLOGIST  
WICHITA, KANSAS

REPORT  
LOG

GEOLOGIC  
REPORT  
LOG

COMPANY: DIXON OPERATING CO., LLC  
WELL: POUND # 3-34  
FIELD: MIKE'S METEOR

LOCATION: 3301 ECL 2310' FEL  
SEC: 34 TWP: 22S RGE: 12W  
COUNTY: STAFFORD  
STATE: KANSAS

PRODUCTION:  
DATE: 10/13/13  
ELEVATION: 1632'  
WELL DEPTH: 4026'

WELL: POUND # 3-34  
T225

PRODUCTION:  
DATE: 10/13/13  
ELEVATION: 1632'  
WELL DEPTH: 4026'

WELL: POUND # 3-34  
T225

PRODUCTION:  
DATE: 10/13/13  
ELEVATION: 1632'  
WELL DEPTH: 4026'

WELL: POUND # 3-34  
T225

PRODUCTION:  
DATE: 10/13/13  
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DATE: 10/13/13  
ELEVATION: 1632'  
WELL DEPTH: 4026'

WELL: POUND # 3-34  
T225

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DRAINAGE POSITION	STRUCTURAL POSITION
ANHYDRITE - TOP	615	618	+1724	-8
ANHYDRITE - BASE	619	619	+1033	-9
HERBNER	315	315	-1352	-5
BROWN LIME	3309	3309	-1166	-3
LANSING	3338	3338	-1493	-3
STARK	3536	3536	-1745	-11
BKC	3588	3588	-1915	-9
VIOLA	3681	3681	-1837	-6
SIMPSON SH	3859	3859	-2016	-9
ARBUCKLE	3959	3959	-2426	-14
TORN DEPTH	4027	4027	-2483	-14

NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS	PRE STATE	PRE STRIPS & BLS STRIPS
1	1 1/2"	RC	RC	310	310	3 1/4	0.85 Short	
2	1 7/8"	HTC	DPS206	3016	3016	7:06	0.4 @ 210' - 0.5 @ 210' - 0.5 @ 210' - 0.5 @ 210' - 0.5 @ 210'	
3	1 7/8"	HTC	GX202	4027	4027	1:01	0.2 @ 208' - 0.5 @ 4027' - 1.7 @ 4027'	

DATE	TIME	DEPTH	ADMIT	WELL	WELL	WELL	WELL	WELL	WELL
8-8	1:37	310'	5	8:12	3:15	8:12	3:15	8:12	3:15
8-9	1:10	310'	6	8:13	3:15	8:13	3:15	8:13	3:15
8-10	1:10	310'	7	8:14	3:15	8:14	3:15	8:14	3:15
8-11	1:10	310'	8	8:15	3:15	8:15	3:15	8:15	3:15
8-12	1:10	310'	9	8:16	3:15	8:16	3:15	8:16	3:15
8-13	1:10	310'	10	8:17	3:15	8:17	3:15	8:17	3:15
8-14	1:10	310'	11	8:18	3:15	8:18	3:15	8:18	3:15
8-15	1:10	310'	12	8:19	3:15	8:19	3:15	8:19	3:15

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1	1 1/2"	RC	RC	310	310	3 1/4	0.85 Short	
2	1 7/8"	HTC	DPS206	3016	3016	7:06	0.4 @ 210' - 0.5 @ 210' - 0.5 @ 210' - 0.5 @ 210'	
3	1 7/8"	HTC	GX202	4027	4027	1:01	0.2 @ 208' - 0.5 @ 4027' - 1.7 @ 4027'	

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8-13	1:10	310'	10	8:17	3:15	8:17	3:15	8:17	3:15
8-14	1:10	310'	11	8:18	3:15	8:18	3:15	8:18	3:15
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8-15	1:10	310'	12	8:19	3:15	8:19	3:15	8:19	3:15

DATE	TIME	DEPTH	ADMIT	WELL	WELL	WELL	WELL	WELL	WELL
8-8	1:37	310'	5	8:12	3:15	8:12	3:15	8:12	3:15
8-9	1:10	310'	6	8:13	3:15	8:13	3:15	8:13	3:15
8-10	1:10	310'	7	8:14	3:15	8:14	3:15	8:14	3:15
8-11	1:10	310'	8	8:15	3:15	8:15	3:15	8:15	3:15
8-12	1:10	310'	9	8:16	3:15	8:16	3:15	8:16	3:15





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Dixon Operating Co. LLC

**34/22S/12W/Stafford**

8100 E 22nd St. N  
BLDG 300 Suite 200  
Wichita, Kansas 67226  
ATTN: Chuck Schmalz

**Pound #3-34**

Job Ticket: 63900

**DST#: 1**

Test Start: 2018.08.13 @ 03:38:00

## GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:56:32

Time Test Ended: 10:14:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Great Bend/ 72

**Interval: 3571.00 ft (KB) To 3715.00 ft (KB) (TVD)**

Reference Elevations: 1844.00 ft (KB)

Total Depth: 3715.00 ft (KB) (TVD)

1832.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 8322 Inside**

Press@RunDepth: 42.84 psig @ 3572.00 ft (KB)

Capacity: psig

Start Date: 2018.08.13

End Date:

2018.08.13

Last Calib.:

2018.08.13

Start Time:

03:38:01

End Time:

10:14:02

Time On Btm:

2018.08.13 @ 05:56:17

Time Off Btm:

2018.08.13 @ 08:30:17

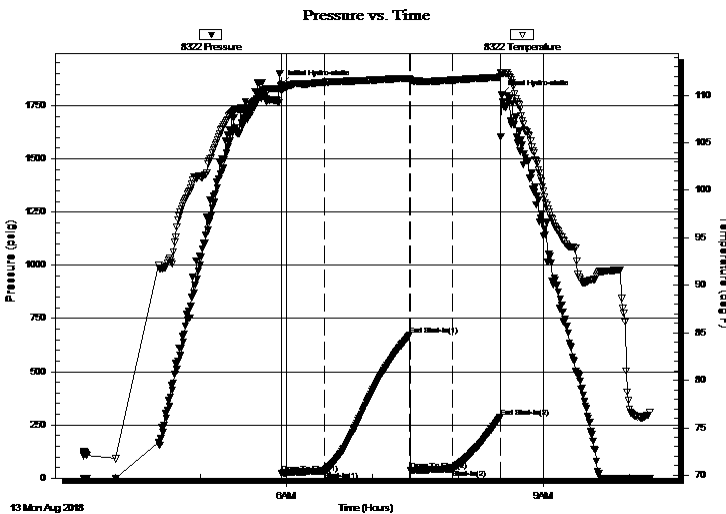
TEST COMMENT: I.F. 30 Mintues/ Blow built to 1 1/2 inch then died to 1/2 inch

I.S.I. 60 Minutes/ No blow back

F.F. 30 Minutes/ Dead no blow

F.S.I. 30 Minutes/ No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1848.91	110.67	Initial Hydro-static
1	22.43	110.48	Open To Flow (1)
31	32.74	111.36	Shut-In(1)
90	670.95	111.76	End Shut-In(1)
91	36.30	111.68	Open To Flow (2)
120	42.84	111.60	Shut-In(2)
153	286.32	111.93	End Shut-In(2)
154	1801.94	112.35	Final Hydro-static

## Recovery

## Gas Rates

Length (ft)	Description	Volume (bbl)
45.00	Mud 100%	0.22

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Dixon Operating Co. LLC

**34/22S/12W/Stafford**

8100 E22nd St. N  
BLDG 300 Suite 200  
Wichita, Kansas 67226  
ATTN: Chuck Schmalz

**Pound #3-34**

Job Ticket: 63900

**DST#: 1**

Test Start: 2018.08.13 @ 03:38:00

## GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:56:32

Time Test Ended: 10:14:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Great Bend/ 72

**Interval: 3571.00 ft (KB) To 3715.00 ft (KB) (TVD)**

Reference Elevations: 1844.00 ft (KB)

Total Depth: 3715.00 ft (KB) (TVD)

1832.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 6752 Outside**

Press@RunDepth: 287.75 psig @ 3573.00 ft (KB)

Capacity: psig

Start Date: 2018.08.13

End Date: 2018.08.13

Last Calib.: 2018.08.13

Start Time: 03:38:01

End Time: 10:13:02

Time On Btm: 2018.08.13 @ 05:56:17

Time Off Btm: 2018.08.13 @ 08:30:32

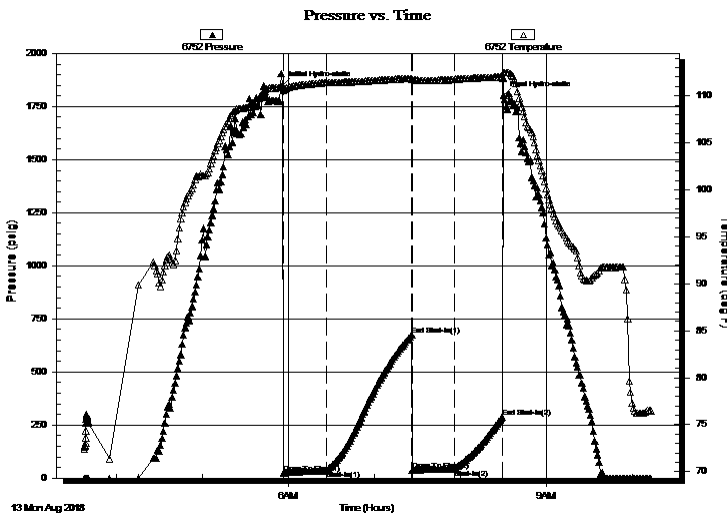
TEST COMMENT: I.F. 30 Mintues/ Blow built to 1 1/2 inch then died to 1/2 inch

I.S.I. 60 Minutes/ No blow back

F.F. 30 Minutes/ Dead no blow

F.S.I. 30 Minutes/ No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1848.67	110.87	Initial Hydro-static
1	23.59	110.58	Open To Flow (1)
31	34.80	111.42	Shut-In(1)
90	674.38	111.82	End Shut-In(1)
91	37.62	111.75	Open To Flow (2)
120	43.72	111.75	Shut-In(2)
153	287.75	112.07	End Shut-In(2)
155	1801.18	112.48	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
45.00	Mud 100%	0.22

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Dixon Operating Co. LLC

**34/22S/12W/Stafford**

8100 E 22nd St. N  
BLDG 300 Suite 200  
Wichita, Kansas 67226  
ATTN: Chuck Schmaltz

**Pound #3-34**

Job Ticket: 63900

**DST#: 1**

Test Start: 2018.08.13 @ 03:38:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 10.79 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Mud 100%	0.221

Total Length: 45.00 ft      Total Volume: 0.221 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

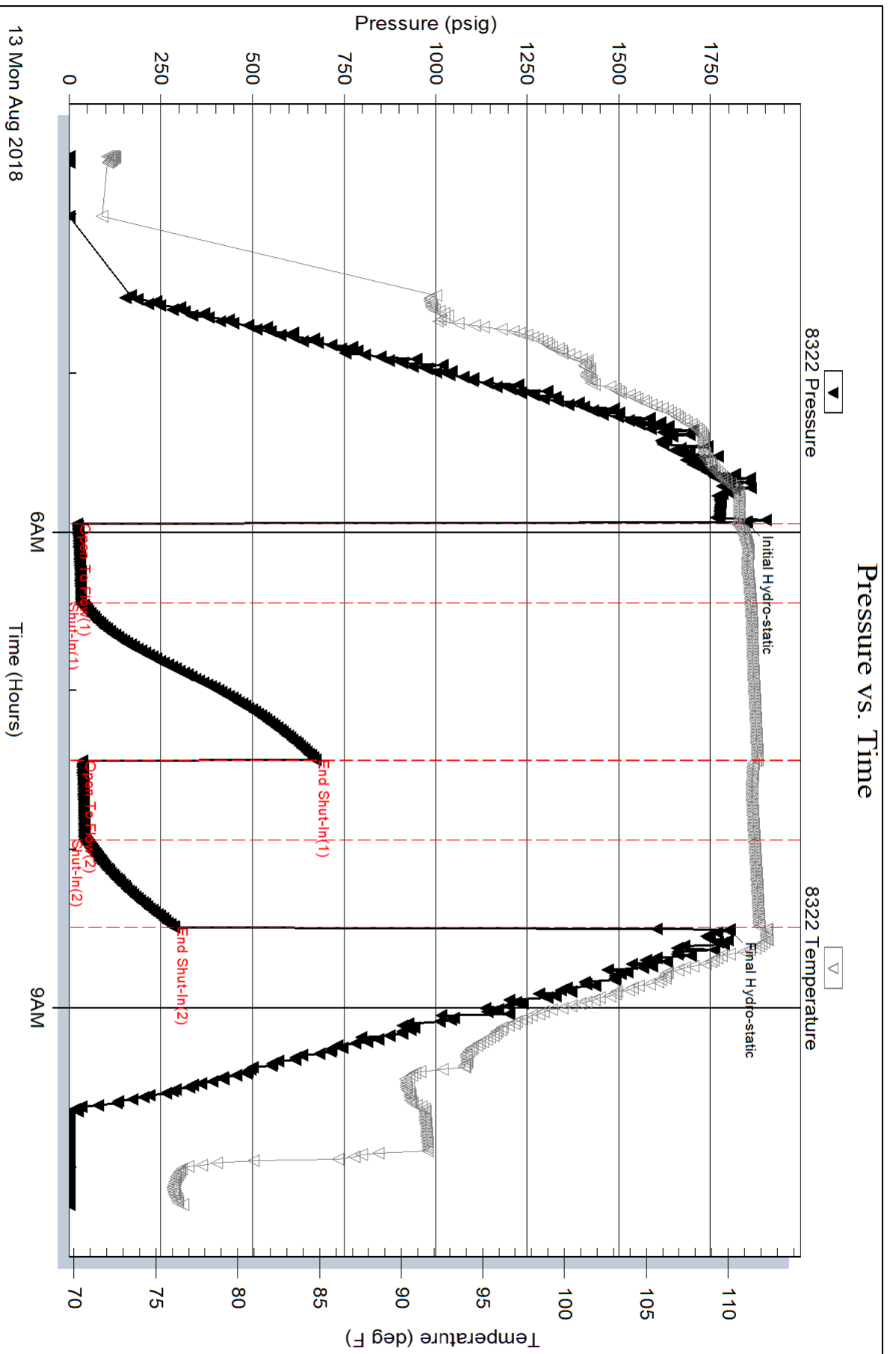
Serial #: 8322

Inside

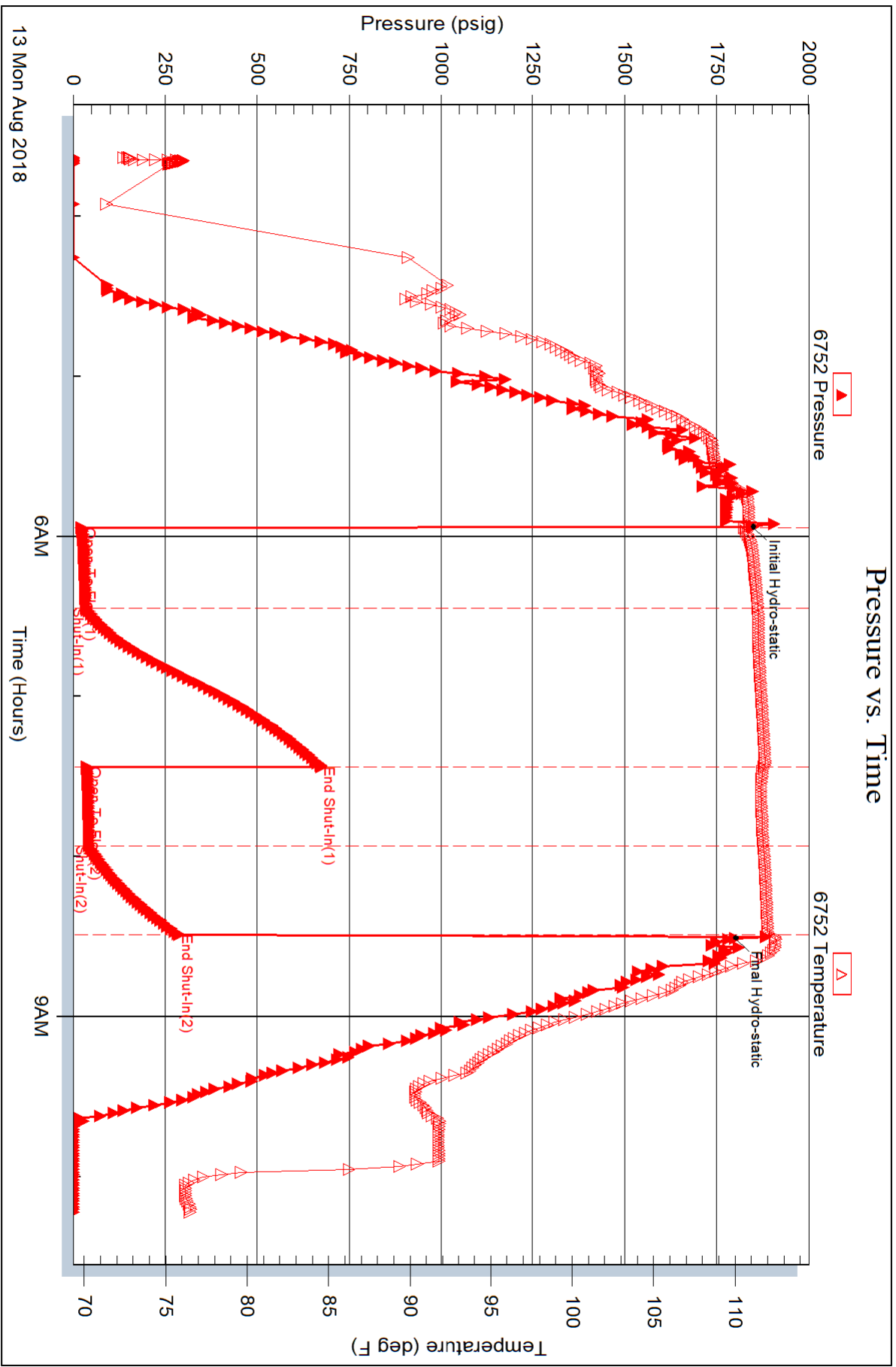
Dixon Operating Co. LLC

Pound #3-34

DST Test Number: 1









**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Dixon Operating Co. LLC

**34/22S/12W/Stafford**

8100 E 22nd St. N  
BLDG 300 Suite 200  
Wichita, Kansas 67226  
ATTN: Chuck Schmalz

**Pound #3-34**

Job Ticket: 63451

**DST#: 2**

Test Start: 2018.08.13 @ 18:47:00

## GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:54:02

Time Test Ended: 03:11:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Great Bend/ 72

**Interval: 3715.00 ft (KB) To 3781.00 ft (KB) (TVD)**

Reference Elevations: 1844.00 ft (KB)

Total Depth: 3781.00 ft (KB) (TVD)

1832.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 8322**

**Inside**

Press@RunDepth: 218.16 psig @ 3716.00 ft (KB)

Capacity: psig

Start Date: 2018.08.13

End Date:

2018.08.14

Last Calib.:

2018.08.14

Start Time:

18:47:01

End Time:

03:11:02

Time On Btm:

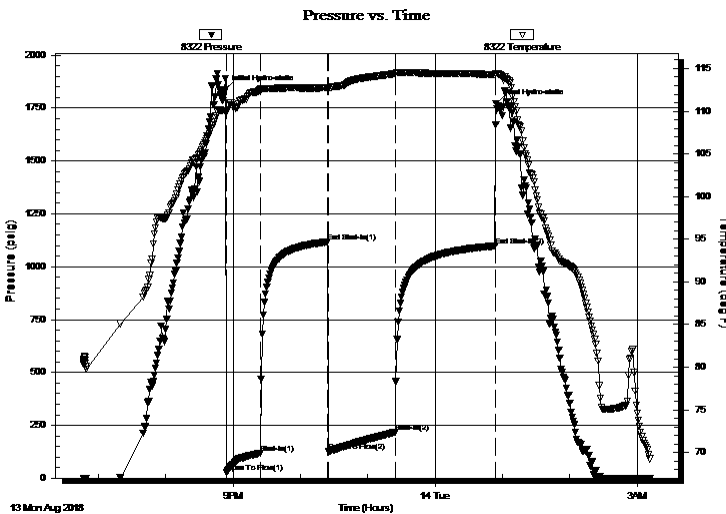
2018.08.13 @ 20:52:47

Time Off Btm:

2018.08.14 @ 00:54:17

**TEST COMMENT:** I.F. 30 Minutes/ Blow built to BOB in 23 minutes  
I.S.I. 60 Minutes/ No blow back  
F.F. 30 Minutes/ Blow built to BOB in 31 minutes  
F.S.I. 60 Minutes/ No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1836.65	110.04	Initial Hydro-static
2	25.73	109.91	Open To Flow (1)
32	118.90	112.49	Shut-In(1)
92	1116.77	112.75	End Shut-In(1)
92	126.38	112.65	Open To Flow (2)
152	218.16	114.43	Shut-In(2)
241	1098.08	114.31	End Shut-In(2)
242	1771.12	114.44	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	Mud 100%	0.30
387.00	Muddy Water w/skim oil in pipe	4.63
0.00	Mud 20% Water 80%	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Dixon Operating Co. LLC

**34/22S/12W/Stafford**

8100 E 22nd St. N  
BLDG 300 Suite 200  
Wichita, Kansas 67226  
ATTN: Chuck Schmalz

**Pound #3-34**

Job Ticket: 63451

**DST#: 2**

Test Start: 2018.08.13 @ 18:47:00

## GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:54:02

Time Test Ended: 03:11:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Great Bend/ 72

**Interval: 3715.00 ft (KB) To 3781.00 ft (KB) (TVD)**

Reference Elevations: 1844.00 ft (KB)

Total Depth: 3781.00 ft (KB) (TVD)

1832.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 6752 Outside**

Press@RunDepth: 1099.95 psig @ 3717.00 ft (KB)

Capacity: psig

Start Date: 2018.08.13

End Date:

2018.08.14

Last Calib.:

2018.08.14

Start Time: 18:47:01

End Time:

03:12:02

Time On Btm:

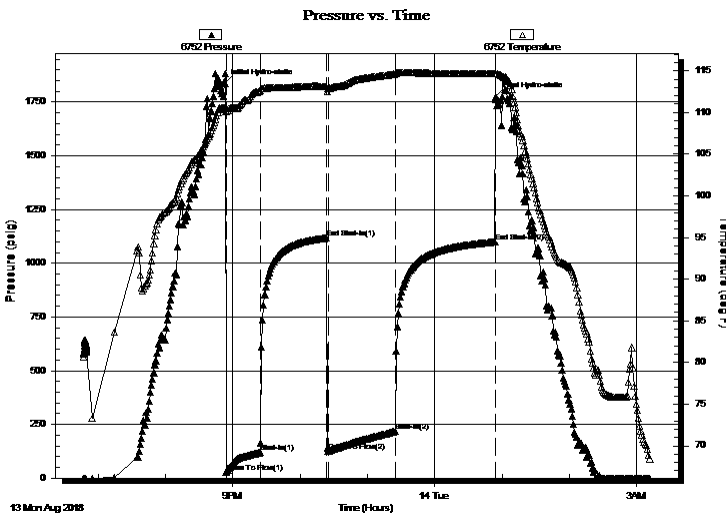
2018.08.13 @ 20:52:47

Time Off Btm:

2018.08.14 @ 00:54:17

**TEST COMMENT:** I.F. 30 Minutes/ Blow built to BOB in 23 minutes  
I.S.I. 60 Minutes/ No blow back  
F.F. 30 Minutes/ Blow built to BOB in 31 minutes  
F.S.I. 60 Minutes/ No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1836.70	110.48	Initial Hydro-static
2	27.41	110.14	Open To Flow (1)
32	119.92	112.63	Shut-In(1)
91	1117.83	113.06	End Shut-In(1)
92	127.43	112.82	Open To Flow (2)
152	219.08	114.63	Shut-In(2)
241	1099.95	114.66	End Shut-In(2)
242	1773.47	114.70	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	Mud 100%	0.30
387.00	Muddy Water w/skim oil in pipe	4.63
0.00	Mud 20% Water 80%	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Dixon Operating Co. LLC

**34/22S/12W/Stafford**

8100 E 22nd St. N  
BLDG 300 Suite 200  
Wichita, Kansas 67226  
ATTN: Chuck Schmaltz

**Pound #3-34**

Job Ticket: 63451

**DST#: 2**

Test Start: 2018.08.13 @ 18:47:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 10.00 lb/gal  
Viscosity: 52.00 sec/qt  
Water Loss: 10.79 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 7000.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: 16000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	Mud 100%	0.305
387.00	Muddy Water w/skim oil in pipe	4.627
0.00	Mud 20% Water 80%	0.000

Total Length: 449.00 ft      Total Volume: 4.932 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Recovery Resistivity .472 ohms @ 62 deg.

Serial #: 8322

Inside

Dixon Operating Co. LLC

Pound #3-34

DST Test Number: 2

