



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Slawson Exploration Company, Inc.

**14-9S-34W Thomas, KS**

204 N. Robinson Ave.  
Ste. 2300  
Oklahoma City, OK 73102  
ATTN: Pete

**Kistler #2-14**

Job Ticket: 61295

**DST#: 3**

Test Start: 2016.10.19 @ 17:46:16

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:14:46

Time Test Ended: 01:55:46

Test Type: Conventional Straddle (Reset)

Tester: Brannan Lonsdale

Unit No: 73

**Interval: 4440.00 ft (KB) To 4470.00 ft (KB) (TVD)**

Reference Elevations: 3183.00 ft (KB)

Total Depth: 4800.00 ft (KB) (TVD)

3170.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

**Serial #: 6651**

**Inside**

Press @ Run Depth: 380.93 psig @ 4441.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.19

End Date:

2016.10.20

Last Calib.:

2016.10.20

Start Time: 17:46:17

End Time:

01:55:46

Time On Btm:

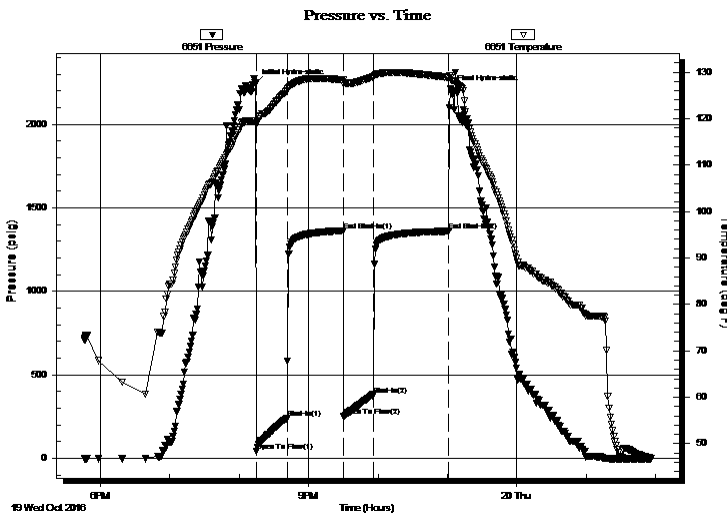
2016.10.19 @ 20:14:16

Time Off Btm:

2016.10.19 @ 23:02:46

**TEST COMMENT:** 30- IF- BOB 3mins  
45- IS- Slow ly built to 8"  
30- FF- BOB 1min  
60- FSI- Slow ly built to 10"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2246.78	119.60	Initial Hydro-static
1	41.71	118.64	Open To Flow (1)
27	240.58	125.98	Shut-In(1)
76	1363.33	128.28	End Shut-In(1)
76	253.03	127.53	Open To Flow (2)
102	380.93	128.93	Shut-In(2)
167	1360.50	128.86	End Shut-In(2)
169	2211.27	128.69	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
244.00	MW, 25%M 75%W	1.78
501.00	GSWMCO, 15%G 5%W 5%M 75%O	7.10
190.00	GMCO, 25%G 30%M 45%O	2.69
0.00	1188' GIP	0.00

## Gas Rates

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

\* Recovery from multiple tests







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**TOOL DIAGRAM**

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**Tool Information**

Drill Pipe:	Length: 4248.00 ft	Diameter: 3.82 inches	Volume: 60.22 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 181.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	88000.00 lb
			<u>Total Volume:</u> - bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	77000.00 lb
Depth to Top Packer:	4440.00 ft			Final	83000.00 lb
Depth to Bottom Packer:	4470.00 ft				
Interval between Packers:	30.00 ft				
Tool Length:	387.00 ft				
Number of Packers:	3	Diameter: 6.75 inches			
Tool Comments:					

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
Change Over Sub	1.00			4414.00	
Shut In Tool	5.00			4419.00	
Hydraulic tool	5.00			4424.00	
Jars	5.00			4429.00	
Safety Joint	2.00			4431.00	
Packer	5.00			4436.00	27.00 Bottom Of Top Packer
Packer	4.00			4440.00	
Stubb	1.00			4441.00	
Recorder	0.00	6651	Inside	4441.00	
Recorder	0.00	6839	Outside	4441.00	
Perforations	25.00			4466.00	
Blank Off Sub	1.00			4467.00	
Blank Spacing	3.00			4470.00	30.00 Tool Interval
Packer	1.00			4471.00	
Stubb	1.00			4472.00	
Recorder	0.00	8959	Below	4472.00	
Perforations	8.00			4480.00	
Change Over Sub	1.00			4481.00	
Drill Pipe	315.00			4796.00	
Change Over Sub	1.00			4797.00	
Bullnose	3.00			4800.00	330.00 Bottom Packers & Anchor

**Total Tool Length: 387.00**



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**FLUID SUMMARY**

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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

67000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
244.00	MW, 25%M 75%W	1.783
501.00	GSWMCO, 15%G 5%W 5%M 75%O	7.102
190.00	GMCO, 25%G 30%M 45%O	2.693
0.00	1188' GIP	0.000

Total Length: 935.00 ft      Total Volume: 11.578 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .16@44deg





