



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Roberts Res. Inc.  
2020 N. Tyler Rd. Ste. 106  
Wichita, KS 67212  
ATTN: Kent Roberts

**16-32s-12w Barber Co. KS**

**Etheridge Trust 1-16**

Job Ticket: 57881      **DST#: 1**  
Test Start: 2015.07.07 @ 08:26:47

## GENERAL INFORMATION:

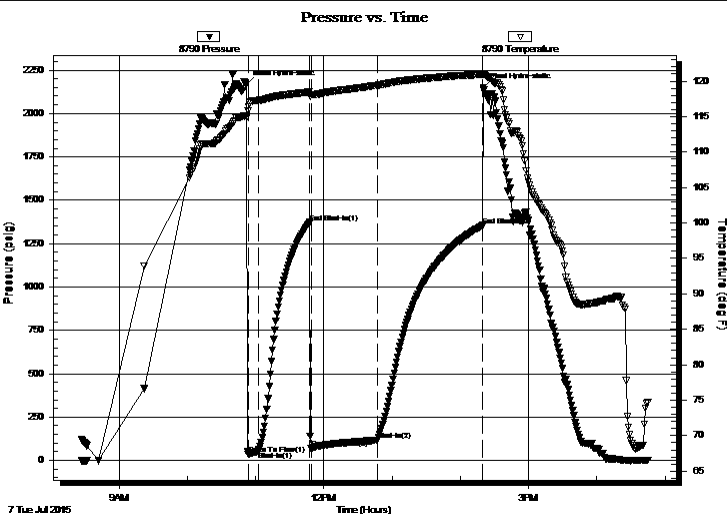
Formation: **Miss.**  
Deviated: No Whipstock: 0.00 ft (KB)  
Time Tool Opened: 10:53:17  
Time Test Ended: 16:45:02  
Interval: **4380.00 ft (KB) To 4480.00 ft (KB) (TVD)**  
Total Depth: 4480.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Ryan Reynolds  
Unit No: 68  
Reference Elevations: 1639.00 ft (KB)  
1627.00 ft (CF)  
KB to GR/CF: 12.00 ft

## Serial #: 8790

Inside

Press @ Run Depth: 116.29 psig @ 4387.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2015.07.07 End Date: 2015.07.07 Last Calib.: 2015.07.07  
Start Time: 08:26:52 End Time: 16:45:01 Time On Btm: 2015.07.07 @ 10:51:47  
Time Off Btm: 2015.07.07 @ 14:20:32

TEST COMMENT: IF: Strong blow . 2" - BOB @ 4 1/2min.  
IS: No blow  
FF: Strong blow . 1" - BOB @ 5min.  
FS: No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2164.85	115.15	Initial Hydro-static
2	36.69	115.80	Open To Flow (1)
11	52.12	117.27	Shut-In(1)
56	1371.80	118.46	End Shut-In(1)
57	67.42	118.09	Open To Flow (2)
115	116.29	119.39	Shut-In(2)
208	1355.03	120.94	End Shut-In(2)
209	2150.08	120.94	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
125.00	GOCM 11%g, 7%o, 82%m	0.61
90.00	Drig mud 100%m	0.46

## Gas Rates

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





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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

5000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.08 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
125.00	GOCM 11%g, 7%o, 82%m	0.615
90.00	Drig mud 100%m	0.463

Total Length: 215.00 ft

Total Volume: 1.078 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

