



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

O'Brien Energy Resources, Co.

**S34-33s-29w Meade, KS**

18 Congress St.  
Suite 207  
Portsmouth, NH 03801-4091  
ATTN: Roger Pearson / Pete

**Mohler 1-34**

Job Ticket: 57379

**DST#: 1**

Test Start: 2014.08.24 @ 13:46:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:30:30

Time Test Ended: 02:17:49

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 61

**Interval: 5248.00 ft (KB) To 5265.00 ft (KB) (TVD)**

Reference Elevations: 2506.00 ft (KB)

Total Depth: 5265.00 ft (KB) (TVD)

2493.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

**Serial #: 8357 Inside**

Press @ Run Depth: 258.32 psig @ 5252.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.24

End Date:

2014.08.25

Last Calib.:

2014.08.25

Start Time: 13:46:02

End Time:

02:17:49

Time On Btm:

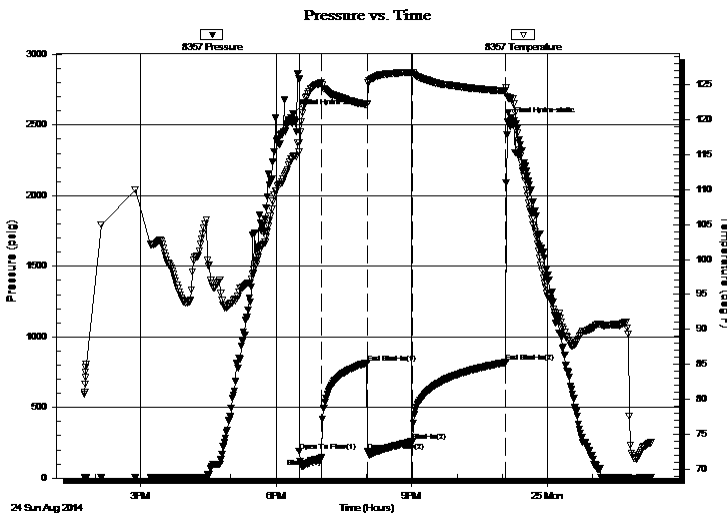
2014.08.24 @ 18:22:30

Time Off Btm:

2014.08.24 @ 23:06:40

**TEST COMMENT:** 30- B.O.B. @ 45 sec. GTS @ 24 min.  
60- 11" Return.  
60- B.O.B. @ 1 3/4 min. Pressure TSTM  
120- B.O.B. @ 3 min.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2580.41	114.71	Initial Hydro-static
8	189.00	115.41	Open To Flow (1)
38	143.16	125.28	Shut-In(1)
99	816.55	122.21	End Shut-In(1)
99	188.18	122.31	Open To Flow (2)
159	258.32	126.79	Shut-In(2)
282	819.27	124.14	End Shut-In(2)
285	2521.46	123.22	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .080 @ 68 Degrees F = 100000 PPM	0.00
366.00	MW 5m 95w	3.49
124.00	GMW emulsion 10g 15m 35w 40 emulsio	1.74
45.00	GMW emulsion 30g 15m 20w 35 emulsio	0.63
0.00	4703' GIP	0.00

## Gas Rates

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



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**FLUID SUMMARY**

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## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 48.00 sec/qt  
Water Loss: 9.18 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 4800.00 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: 100000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW: .080 @ 68 Degrees F = 100000 PPM	0.000
366.00	MW 5m 95w	3.494
124.00	GMW emulsion 10g 15m 35w 40 emulsion	1.739
45.00	GMW emulsion 30g 15m 20w 35 emulsion	0.631
0.00	4703' GIP	0.000

Total Length: 535.00 ft      Total Volume: 5.864 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: Sampler: 680 psi, 33 CUft, 100ml condensate, 1900ml gas

