



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Pickrell Drilling Company, Inc.

**18-18s-25w Ness Co, KS**

100 S Main STE 505  
Wichita KS 67202 - 3738

**Mauch "E" #1**

Job Ticket: 57268

**DST#: 1**

ATTN: Jerry Smith

Test Start: 2014.09.08 @ 11:40:00

## GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:04:15

Time Test Ended: 20:34:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 75

**Interval: 4395.00 ft (KB) To 4481.00 ft (KB) (TVD)**

Reference Elevations: 2539.00 ft (KB)

Total Depth: 4481.00 ft (KB) (TVD)

2532.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

**Serial #: 8675**

**Inside**

Press @ RunDepth: 369.59 psig @ 4396.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.08

End Date:

2014.09.08

Last Calib.:

2014.09.08

Start Time: 11:40:15

End Time:

20:34:00

Time On Btm:

2014.09.08 @ 14:04:00

Time Off Btm:

2014.09.08 @ 18:35:15

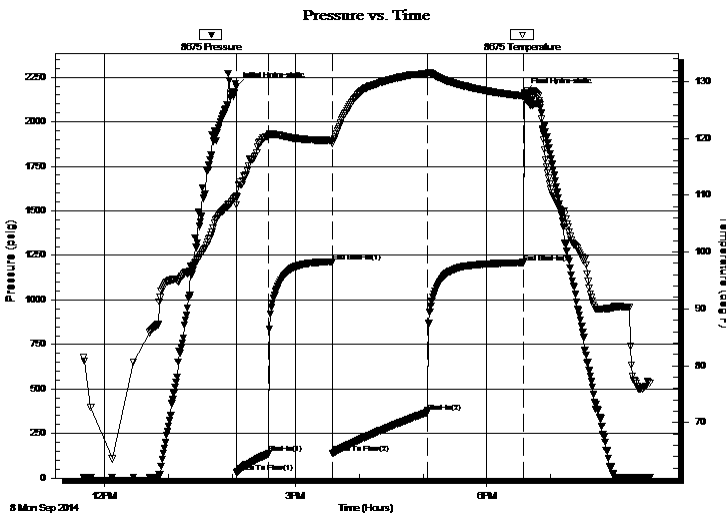
**TEST COMMENT:** B.O.B. in 13 1/2 min.

Bled off for 5 min. No return blow

B.O.B. in 17 min.

Bled off for 5 min. No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2196.62	109.82	Initial Hydro-static
1	33.34	108.34	Open To Flow (1)
31	137.26	120.36	Shut-In(1)
91	1215.46	119.63	End Shut-In(1)
91	138.45	119.01	Open To Flow (2)
180	369.59	131.45	Shut-In(2)
271	1209.85	127.41	End Shut-In(2)
272	2163.98	127.79	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
219.00	100%M w ith oil scum	3.07
126.00	w cm w ith oil scum 40%W 60%M	1.77
189.00	mcw w ith oil scum 10%M 90%W	2.65
252.00	100% W	3.53

## 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:

50000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
219.00	100%M w ith oil scum	3.072
126.00	w cm w ith oil scum 40%W 60%M	1.767
189.00	mcw w ith oil scum 10%M 90%W	2.651
252.00	100% W	3.535

Total Length: 786.00 ft      Total Volume: 11.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .18 @ 85 F = 50,000

Serial #: 8675

Inside

Pickrell Drilling Company, Inc.

Mauch "E" #1

DST Test Number: 1

