



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Hutchinson Oil Co

21-21-11 Stafford Co

Po Box 521  
Derby KS 67037

Alan SW #1

Job Ticket: 52432

DST#: 2

ATTN: Nick Hutchinson/ Jef

Test Start: 2013.09.17 @ 08:42:14

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:56:14

Time Test Ended: 17:21:29

Test Type: Conventional Bottom Hole (Reset)

Tester: Chris Staats

Unit No: 47

Interval: **3560.00 ft (KB) To 3600.00 ft (KB) (TVD)**

Reference Elevations: 1822.00 ft (KB)

Total Depth: 3600.00 ft (KB) (TVD)

1809.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: **8676** Outside

Press @ Run Depth: 965.66 psig @ 3561.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.17 End Date: 2013.09.17

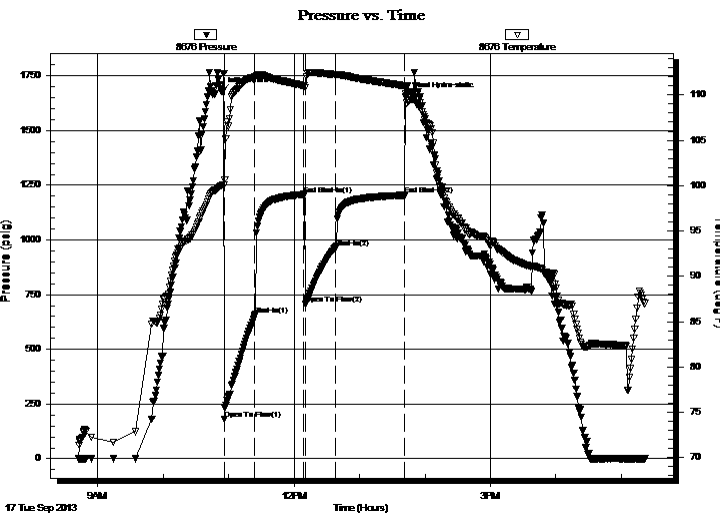
Last Calib.: 2013.09.17

Start Time: 08:42:19 End Time: 17:21:29

Time On Btm: 2013.09.17 @ 10:53:44

Time Off Btm: 2013.09.17 @ 13:42:29

TEST COMMENT: IF: Strong blow BOB 1 1/2 min  
IS: Fair blow back 5"  
FF: Strong blow BOB 1 min  
FS: Fair blow back 5"



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1678.08	100.02	Initial Hydro-static
3	180.52	100.08	Open To Flow (1)
31	654.78	112.00	Shut-In(1)
76	1208.26	110.99	End Shut-In(1)
77	705.79	110.82	Open To Flow (2)
104	965.66	112.24	Shut-In(2)
167	1204.67	111.03	End Shut-In(2)
169	1652.96	110.13	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	2540' GIP	0.00
1470.00	M,W 10% mud 90% water Trace amount	17.63
180.00	O,G,M,W 1% oil 9% gas 40% mud 50% water	2.52
240.00	O,G,W,M 1% oil 24% gas 25% water 50%	3.37

## Gas Rates

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

\* Recovery from multiple tests



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**FLUID SUMMARY**

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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:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	2540' GIP	0.000
1470.00	M,W 10% mud 90% water Trace amount of oil	17.632
180.00	O,G,M,W 1% oil 9% gas 40% mud 50% water	2.525
240.00	O,G,W,M 1% oil 24% gas 25% water 50% mud	3.367

Total Length: 1890.00 ft

Total Volume: 23.524 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

