



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Culbreath Oil & Gas

22-14s-34w Logan, Ks

3501 S. Yale Ave
Tulsa, Ok
74135-8014
ATTN: Steve Murphy

Baker #1-22

Job Ticket: 45503

DST#: 2

Test Start: 2015.08.18 @ 01:35:54

GENERAL INFORMATION:

Formation: **Pawnee-Myrick Sta**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 02:59:39

Time Test Ended: 06:10:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 84

Interval: 4386.00 ft (KB) To 4434.00 ft (KB) (TVD)

Reference Elevations: 3002.00 ft (KB)

Total Depth: 4434.00 ft (KB) (TVD)

2997.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6771 Outside

Press @ Run Depth: 27.21 psig @ 4387.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.18

End Date: 2015.08.18

Last Calib.: 2015.08.18

Start Time: 01:35:54

End Time: 06:03:09

Time On Btm: 2015.08.18 @ 02:59:24

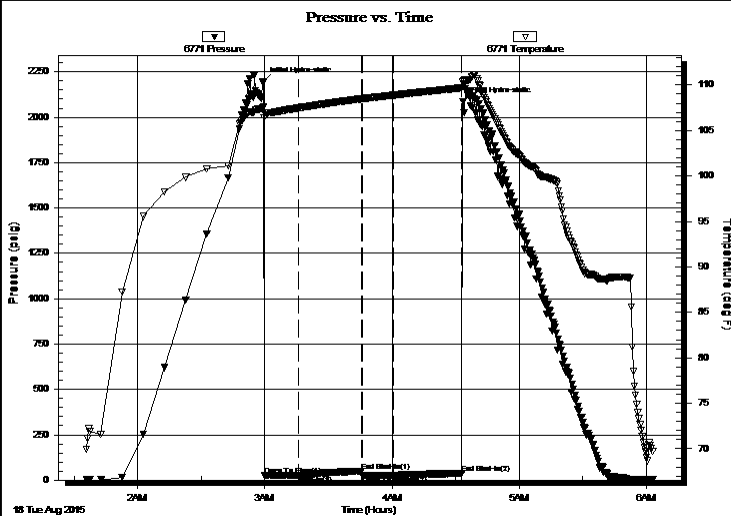
Time Off Btm: 2015.08.18 @ 04:33:24

TEST COMMENT: 1/4" in blow died in 9 min.

No return

No blow

No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2193.87	107.57	Initial Hydro-static
1	24.92	106.40	Open To Flow (1)
17	26.01	107.47	Shut-In(1)
47	49.16	108.49	End Shut-In(1)
47	25.06	108.49	Open To Flow (2)
62	27.21	108.88	Shut-In(2)
94	36.24	109.69	End Shut-In(2)
94	2086.39	110.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% m	0.01

Gas Rates

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

* Recovery from multiple tests



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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.76 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100%m	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

