



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Culbreath Oil & Gas Co., Inc.

18 - 2S - 29W

1532 S. Peoria Ave.
Tulsa Ok, 74120

Wendelin #1-18

ATTN: Pat Deenihan

Job Ticket: 55802

DST#: 1

Test Start: 2013.10.23 @ 08:04:00

GENERAL INFORMATION:

Formation: **Lans "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:16:45

Time Test Ended: 20:13:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: 44

Interval: 3764.00 ft (KB) To 3825.00 ft (KB) (TVD)

Reference Elevations: 2810.00 ft (KB)

Total Depth: 3825.00 ft (KB) (TVD)

2802.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8879

Inside

Press @ Run Depth: 577.29 psig @ 3769.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.23

End Date: 2013.10.23

Last Calib.: 2013.10.23

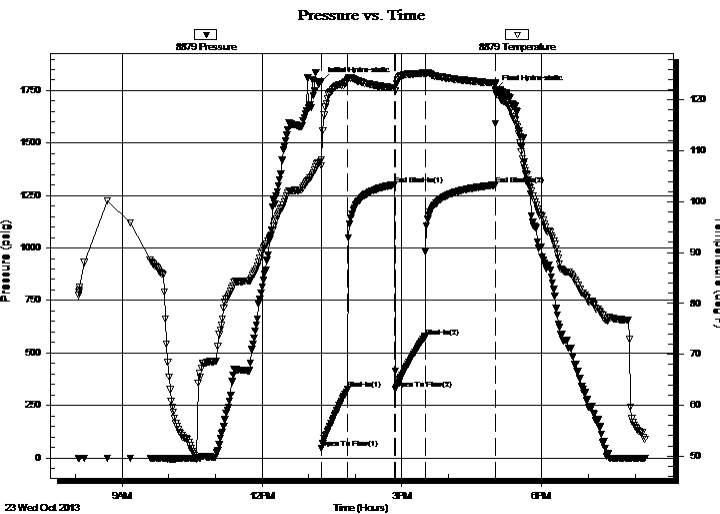
Start Time: 08:04:05

End Time: 20:13:15

Time On Btm: 2013.10.23 @ 13:16:30

Time Off Btm: 2013.10.23 @ 17:00:30

TEST COMMENT: 30 - IF - surface blow from bottom of bucket in 10 min.
60 - ISI - No return
45 - FF - surface blow built to bottom of bucket in 8 min.
90 - FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1792.47	108.27	Initial Hydro-static
1	44.85	107.03	Open To Flow (1)
34	326.22	123.91	Shut-In(1)
94	1300.72	122.36	End Shut-In(1)
95	327.58	121.85	Open To Flow (2)
134	577.29	125.27	Shut-In(2)
224	1299.35	123.42	End Shut-In(2)
224	1753.06	121.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
73.00	MW - 65W - 35M	0.74
1197.00	W - 100W	16.79

Gas Rates

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



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FLUID SUMMARY

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DST#: 1

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Test Start: 2013.10.23 @ 08:04:00

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: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
73.00	MW - 65W - 35M	0.742
1197.00	W - 100W	16.791

Total Length: 1270.00 ft Total Volume: 17.533 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

