



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

Job Ticket: 55804

DST#: 3

ATTN: Pat Deenihan

Test Start: 2013.10.25 @ 09:05:00

GENERAL INFORMATION:

Formation: **Lans "H-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:30:45

Time Test Ended: 17:11:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: 44

Interval: 3918.00 ft (KB) To 3988.00 ft (KB) (TVD)

Reference Elevations: 2810.00 ft (KB)

Total Depth: 3988.00 ft (KB) (TVD)

2802.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8879

Press @ Run Depth: 55.99 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.25 End Date: 2013.10.25

Last Calib.: 2013.10.25

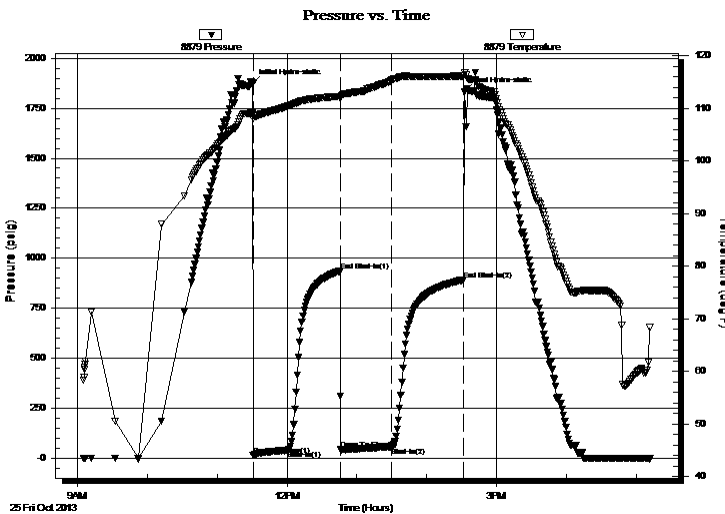
Start Time: 09:05:05 End Time: 17:11:44

Time On Btm: 2013.10.25 @ 11:30:30

Time Off Btm: 2013.10.25 @ 14:32:45

TEST COMMENT: 30 - IF - Surface blow built to 3"
45 - ISI - No return
45 - FF - Surface blow built to 3 1/2"
60 - FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1872.33	109.28	Initial Hydro-static
1	14.33	108.06	Open To Flow (1)
30	38.48	110.39	Shut-In(1)
75	935.36	112.28	End Shut-In(1)
76	42.63	112.06	Open To Flow (2)
120	55.99	115.41	Shut-In(2)
182	891.72	116.15	End Shut-In(2)
183	1832.42	116.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	OCWM - 80M - 10W - 10o	0.61
50.00	OCM - 65M - 35o	0.70

Gas Rates

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



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FLUID SUMMARY

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DST#: 3

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Test Start: 2013.10.25 @ 09:05:00

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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	OCWM - 80M - 10W - 10o	0.610
50.00	OCM - 65M - 35o	0.701

Total Length: 113.00 ft

Total Volume: 1.311 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

