



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Culbreath Oil & Gas Company Inc.

20-10s-31w Thomas co.

1532 S. Peoria Ave.
Tulsa, OK 74120

OstmeyerBixenman120A

ATTN: Pat Deenihan

Job Ticket: 55651

DST#: 4

Test Start: 2013.11.24 @ 19:28:00

GENERAL INFORMATION:

Formation: **Lansing " L "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:13:45

Time Test Ended: 05:27:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Interval: 4270.00 ft (KB) To 4291.00 ft (KB) (TVD)

Reference Elevations: 3022.00 ft (KB)

Total Depth: 4291.00 ft (KB) (TVD)

3014.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8845 Outside

Press@RunDepth: 64.46 psig @ 4271.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.24

End Date:

2013.11.25

Last Calib.: 2013.11.11

Start Time: 19:28:05

End Time:

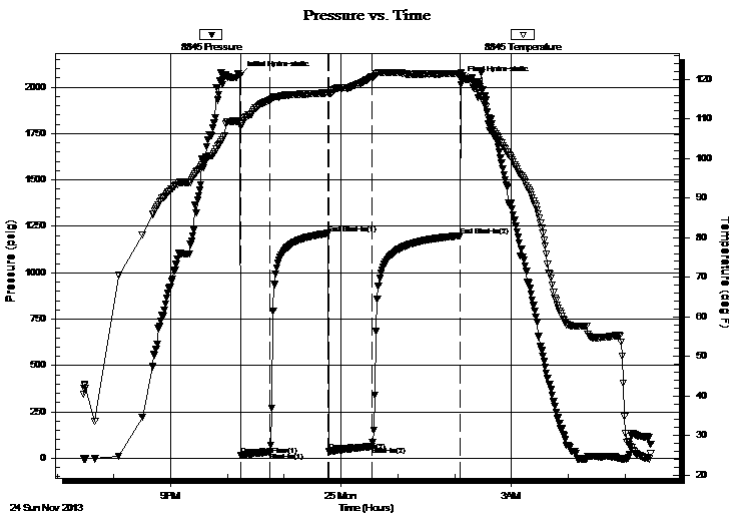
05:27:45

Time On Btm: 2013.11.24 @ 22:13:30

Time Off Btm: 2013.11.25 @ 02:06:30

TEST COMMENT: IF: 2 1/2" Blow .
IS: No Return.
FF: 1/4" Blow .
FS: No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2061.54	109.12	Initial Hydro-static
1	14.21	108.19	Open To Flow (1)
31	34.69	114.73	Shut-In(1)
93	1212.16	116.59	End Shut-In(1)
94	36.73	116.36	Open To Flow (2)
139	64.46	120.58	Shut-In(2)
233	1200.01	121.40	End Shut-In(2)
233	2037.87	121.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
105.00	WCM (Oil spots on top)	1.47

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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OstmeyerBixenman120A

Job Ticket: 55651

DST#: 4

ATTN: Pat Deenihan

Test Start: 2013.11.24 @ 19:28:00

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:

80000 ppm

Viscosity: 47.00 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
105.00	WCM (Oil spots on top)	1.473

Total Length: 105.00 ft Total Volume: 1.473 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Water Salinity: .244 @ 26 Degrees= 80,000 ppm

Pressure vs. Time

