



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Culbreath Oil And Gas Company

18-10s-30w Sheridan Co KS

1532 S Peoria Ave
Tulsa OK
74120
ATTN: Steve Murphy

Bixenman Brothers118

Job Ticket: 58566 **DST#: 1**
Test Start: 2015.01.18 @ 01:20:15

GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:28:00
 Time Test Ended: 09:02:30
 Interval: **3956.00 ft (KB) To 4014.00 ft (KB) (TVD)**
 Total Depth: 4014.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 2948.00 ft (KB)
 2943.00 ft (CF)
 KB to GR/CF: 5.00 ft

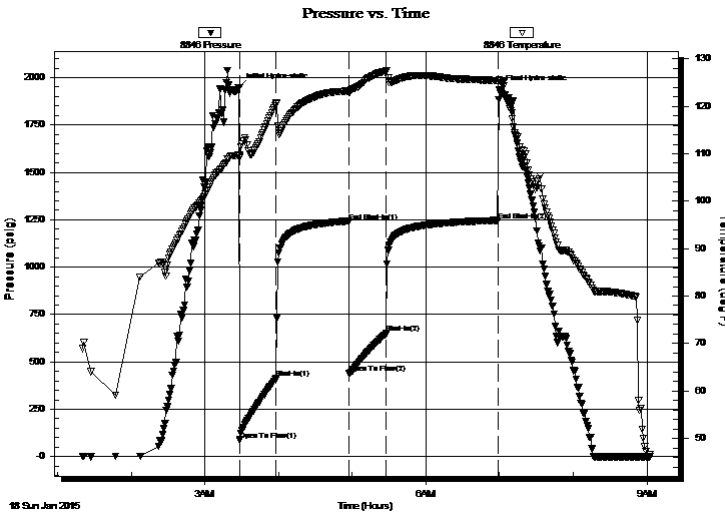
Serial #: 8846

Inside

Press@RunDepth: 650.24 psig @ 3960.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.01.18 End Date: 2015.01.18 Last Calib.: 2015.01.19
 Start Time: 01:20:15 End Time: 09:02:30 Time On Btm: 2015.01.18 @ 03:27:45
 Time Off Btm: 2015.01.18 @ 06:59:45

TEST COMMENT: IF:BOB in 3 min.
 IS:No return blow
 FF:BOB in 4 min
 FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1946.99	109.72	Initial Hydro-static
1	86.00	109.19	Open To Flow (1)
31	413.03	120.48	Shut-In(1)
90	1238.36	123.18	End Shut-In(1)
90	438.96	122.97	Open To Flow (2)
120	650.24	127.46	Shut-In(2)
211	1246.27	125.42	End Shut-In(2)
212	1935.72	125.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
680.00	mcw 5% m 95% w	8.43
310.00	ocmw 2% o 10% m 88% w	4.35
372.00	ocw m w ith 1" oil on top 2% o 38% w 60% m	5.22

Gas Rates

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



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FLUID SUMMARY

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74120

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DST#: 1

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Test Start: 2015.01.18 @ 01:20:15

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:

6000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
680.00	mcw 5%m 95%w	8.427
310.00	ocmw 2%o 10%m 88%w	4.348
372.00	ocw m with 1" oil on top 2%o 38%w 60%m	5.218

Total Length: 1362.00 ft Total Volume: 17.993 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= 1.39@ 47.8*= 6000 ppm

