



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Red Oak Energy Inc.
7701 Kellogg Dr.
STE 710
Wichita KS 67207
ATTN: Pat Denihan

27-20s-38w Wichita KS

Berning 1 16

Job Ticket: 59219

DST#: 1

Test Start: 2014.11.21 @ 20:43:15

GENERAL INFORMATION:

Formation: **Marrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:23:30

Time Test Ended: 07:44:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

Interval: 4786.00 ft (KB) To 4863.00 ft (KB) (TVD)

Reference Elevations: 3432.00 ft (KB)

Total Depth: 4863.00 ft (KB) (TVD)

3418.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 14.00 ft

Serial #: 8846

Inside

Press@RunDepth: 880.74 psig @ 4793.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.21

End Date:

2014.11.22

Last Calib.:

2014.11.22

Start Time: 20:43:15

End Time:

07:44:15

Time On Btm:

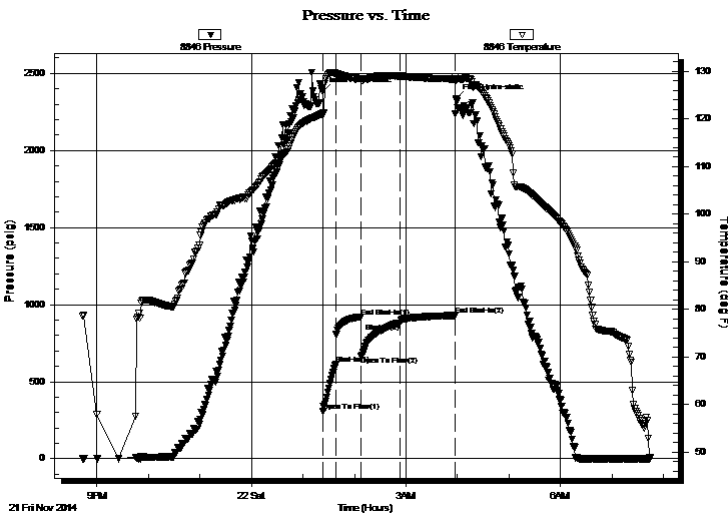
2014.11.22 @ 01:23:00

Time Off Btm:

2014.11.22 @ 03:58:45

TEST COMMENT: IF:BOB in 1 min.
IS:Return blow built to 1"
FF:BOB in 2 min.
FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2381.10	121.10	Initial Hydro-static
1	308.99	120.75	Open To Flow (1)
16	611.66	129.46	Shut-In(1)
45	920.75	128.44	End Shut-In(1)
45	667.01	128.36	Open To Flow (2)
91	880.74	129.03	Shut-In(2)
155	930.07	128.39	End Shut-In(2)
156	2334.79	128.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
370.00	mcw 10% m 90% w	1.82
372.00	w cm 5% w 95% m	5.22
496.00	mcw 30% m 70% w	6.96
620.00	w cm 5% w 95% m	8.70

Gas Rates

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



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 7.98 in³
Resistivity: 0.00 ohm.m
Salinity: 4500.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 0 deg API
Water Salinity: 12000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
370.00	mcw 10%m 90%w	1.820
372.00	w cm 5%w 95%m	5.218
496.00	mcw 30%m 70%w	6.958
620.00	w cm 5%w 95% m	8.697

Total Length: 1858.00 ft Total Volume: 22.693 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW= .52@29.1= 12,000 ppm

Serial #: 8846

Inside

Red Oak Energy Inc.

Berning 1 16

DST Test Number: 1

