



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Red Oak Energy Inc.
7701 E Kellogg Dr. STE 710
PO Box 783140
Wichita, KS 67207
ATTN: Sean Deenihan

11/10s/26w Sheridan KS

Bittel #1-11

Job Ticket: 45652

DST#: 3

Test Start: 2012.03.18 @ 06:16:05

GENERAL INFORMATION:

Formation: **LKC "E - G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:21:00
 Time Test Ended: 12:56:59
 Interval: **3939.00 ft (KB) To 3978.00 ft (KB) (TVD)**
 Total Depth: 3978.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 57
 Reference Elevations: 2611.00 ft (KB)
 2603.00 ft (CF)
 KB to GR/CF: 8.00 ft

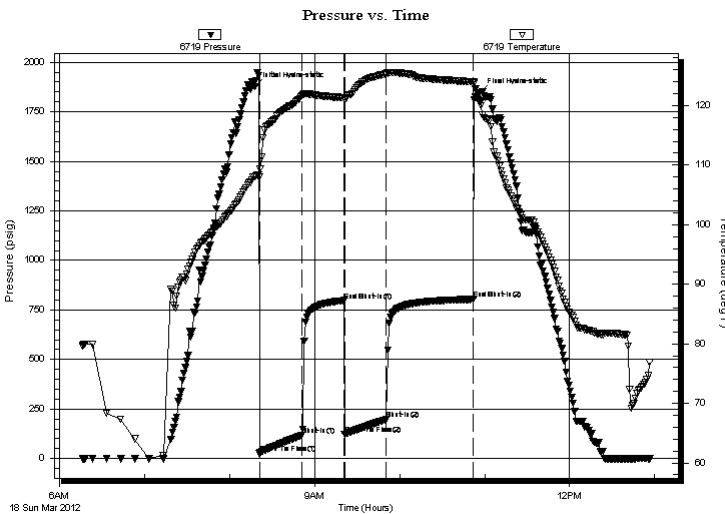
Serial #: 6719

Inside

Press @ RunDepth: 196.42 psig @ 3940.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.03.18 End Date: 2012.03.18 Last Calib.: 2012.03.18
 Start Time: 06:16:05 End Time: 12:56:59 Time On Btm: 2012.03.18 @ 08:18:00
 Time Off Btm: 2012.03.18 @ 10:56:29

TEST COMMENT: 30 - IF: Blow built to BOB (11") in 13 1/4 min.
 30 - IS: Bled off, Blow back built to 1/8"
 30 - FF: Blow built to BOB in 18 min.
 60 - FS: Bled off, Blow back built to 1/8"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1877.59	108.08	Initial Hydro-static
3	24.78	108.07	Open To Flow (1)
33	117.63	121.66	Shut-In(1)
63	797.47	121.30	End Shut-In(1)
63	123.03	121.09	Open To Flow (2)
93	196.42	125.30	Shut-In(2)
154	803.98	123.98	End Shut-In(2)
159	1845.67	120.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	WCM w/oil spots 63% <i>m</i> , 36% <i>w</i> , 1% <i>o</i>	0.15
155.00	MCW w/oil spots 91% <i>w</i> , 8% <i>m</i> , 1% <i>o</i>	2.17
124.00	MW w/oil spots 56% <i>w</i> , 43% <i>m</i> , 1% <i>o</i>	1.74
62.00	SOC/WM 56% <i>m</i> , 41% <i>w</i> , 3% <i>o</i>	0.87
30.00	CO 98% <i>o</i> , 1% <i>g</i> , 1% <i>m</i>	0.42
0.00	GIP = 40'	0.00

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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DST#: 3

Test Start: 2012.03.18 @ 06:16:05

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 44.00 sec/qt
Water Loss: 7.94 in³
Resistivity: ohm.m
Salinity: 1700.00 ppm
Filter Cake: 2.00 inches

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

Oil API: 36.2 deg API
Water Salinity: 75000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	WCM w/oil spots 63% <i>m</i> , 36% <i>w</i> , 1% <i>o</i>	0.148
155.00	MCW w/oil spots 91% <i>w</i> , 8% <i>m</i> , 1% <i>o</i>	2.174
124.00	MW w/oil spots 56% <i>w</i> , 43% <i>m</i> , 1% <i>o</i>	1.739
62.00	SOC/WM 56% <i>m</i> , 41% <i>w</i> , 3% <i>o</i>	0.870
30.00	CO 98% <i>o</i> , 1% <i>g</i> , 1% <i>m</i>	0.421
0.00	GIP = 40'	0.000

Total Length: 401.00 ft Total Volume: 5.352 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity - 38 api @ 78 deg F Corrected = 36.2 api
RW = .097 ohms @ 76.8 deg F Chlorides = 75,000 ppm

Pressure vs. Time

