



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Red Oak Energy
7701 E Kellogg Dr Ste 710
Wichita, Ks
67207-1738
ATTN: Sean Deenihan

7-17-34w Scott, Ks
Wilkens #1-7
Job Ticket: 61491 **DST#: 4**
Test Start: 2015.06.10 @ 19:32:31

GENERAL INFORMATION:

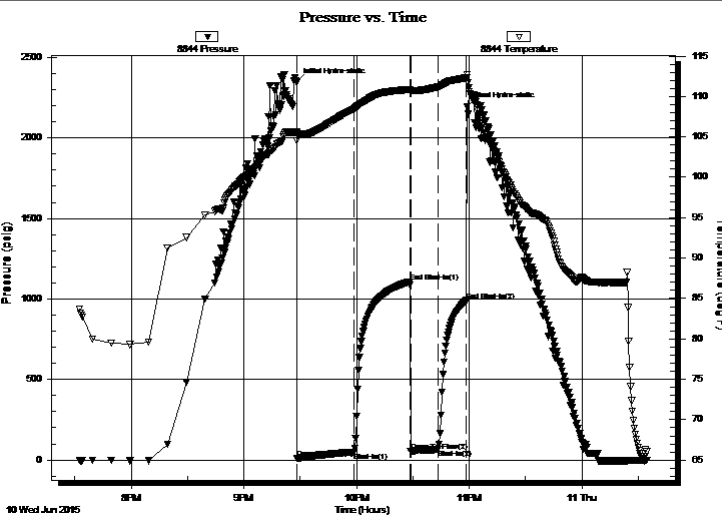
Formation: **Marmaton**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 21:28:16
Time Test Ended: 00:55:46
Interval: **4524.00 ft (KB) To 4562.00 ft (KB) (TVD)**
Total Depth: 4562.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Shane McBride
Unit No: 84
Reference Elevations: 3163.00 ft (KB)
3158.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8844

Inside

Press@RunDepth: 64.90 psig @ 4525.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.06.10 End Date: 2015.06.11 Last Calib.: 2015.06.11
Start Time: 19:32:31 End Time: 00:34:46 Time On Btm: 2015.06.10 @ 21:28:01
Time Off Btm: 2015.06.10 @ 22:59:01

TEST COMMENT: 1 3/4" blow
No return
1/2" blow
No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2347.16	105.58	Initial Hydro-static
1	9.78	104.53	Open To Flow (1)
31	49.59	108.46	Shut-In(1)
61	1107.11	110.86	End Shut-In(1)
61	54.16	110.45	Open To Flow (2)
76	64.90	111.17	Shut-In(2)
91	989.78	112.30	End Shut-In(2)
91	2194.26	112.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	m c w 20m 80w	0.59
5.00	free oil 100%o	0.07

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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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:

21500 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	m c w 20m 80w	0.590
5.00	free oil 100%o	0.070

Total Length: 125.00 ft Total Volume: 0.660 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .323 @ 71*f= 21,500 chlor

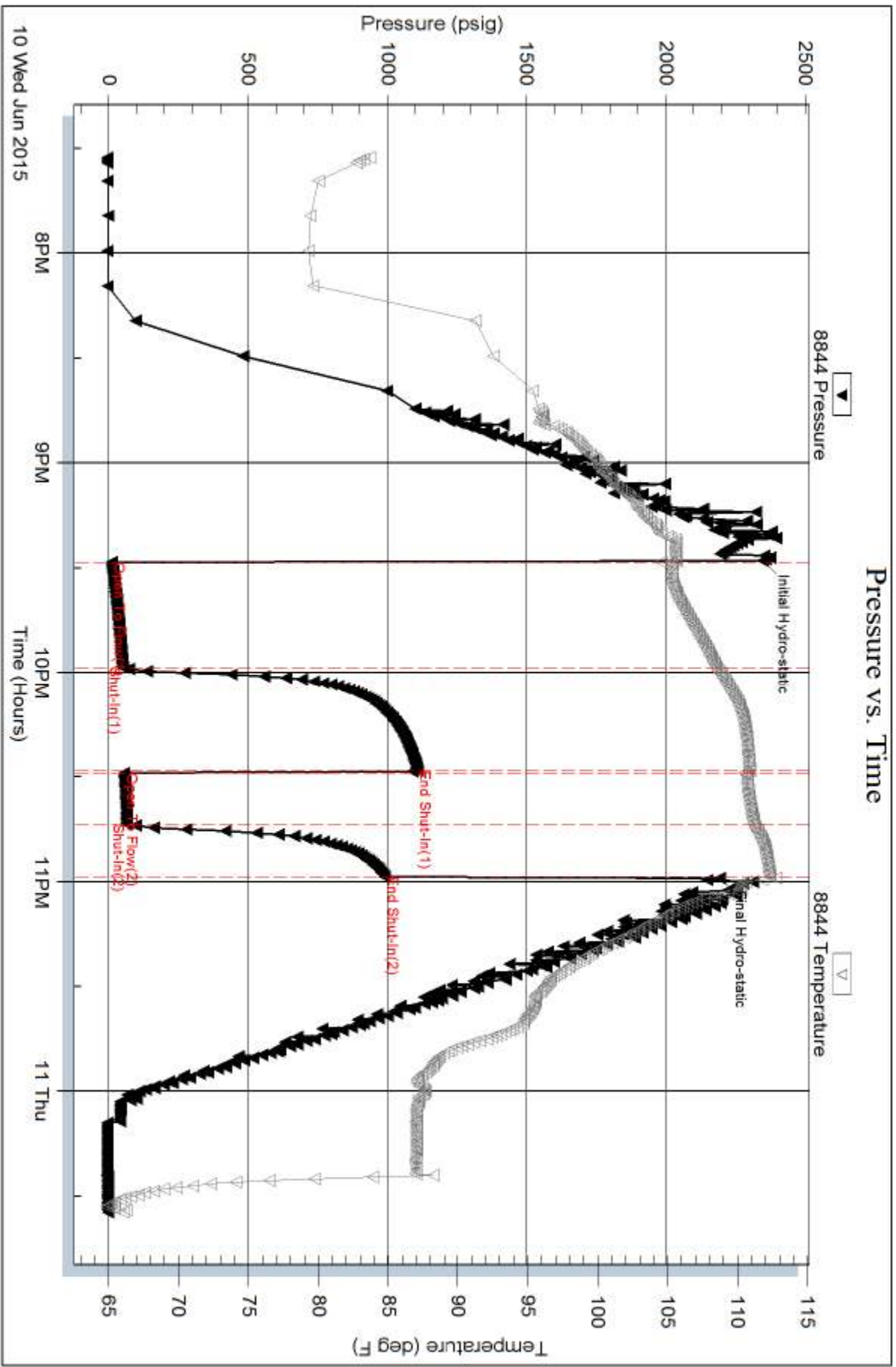
Serial #: 8844

Inside

Red Oak Energy

Wilkins #1-7

DST Test Number: 4



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Ref. No: 61491

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