



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Russell Oil Inc
 P.O. Box 8050
 Edmond, Ok 73083
 ATTN: Kitt Noah

35-12s-33w Logan Ks
Joseph 35-1
 Job Ticket: 59035 **DST#: 7**
 Test Start: 2014.09.02 @ 13:11:16

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:47:16
 Time Test Ended: 21:45:46
 Interval: **4593.00 ft (KB) To 4634.00 ft (KB) (TVD)**
 Total Depth: 4634.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 60
 Reference Elevations: 3095.00 ft (KB)
 3084.00 ft (CF)
 KB to GR/CF: 11.00 ft

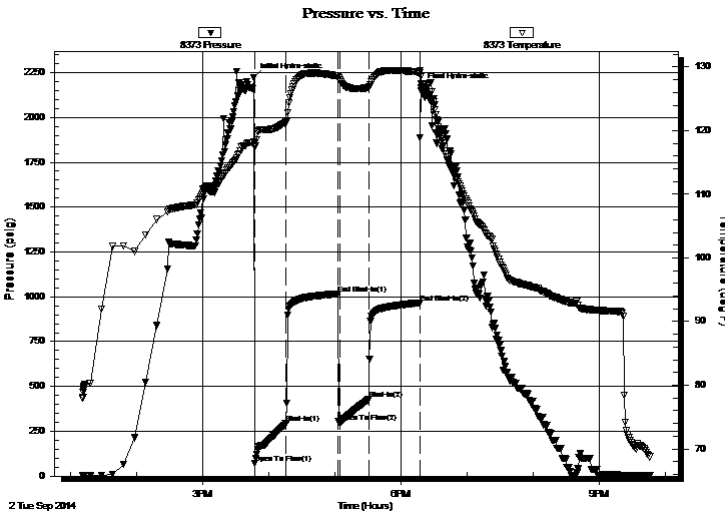
Serial #: 8373

Inside

Press@RunDepth: 428.18 psig @ 4594.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.09.02 End Date: 2014.09.02 Last Calib.: 2014.09.02
 Start Time: 13:11:21 End Time: 21:45:46 Time On Btm: 2014.09.02 @ 15:46:16
 Time Off Btm: 2014.09.02 @ 18:17:46

TEST COMMENT: IF: BOB in 4 min.
 IS: BOB in 20 min.
 FF: BOB in 4 min.
 FS: Surface blow built to 5 1/2.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2224.02	118.17	Initial Hydro-static
1	73.05	117.49	Open To Flow (1)
30	294.26	121.31	Shut-In(1)
77	1017.06	128.57	End Shut-In(1)
78	298.99	127.97	Open To Flow (2)
105	428.18	126.74	Shut-In(2)
151	966.33	129.17	End Shut-In(2)
152	2166.62	128.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcgo 10%g 60%o 30%m	0.61
186.00	gocm 10%g 30%o 60%m	1.45
248.00	mcgo 15%g 80%o 5%m	3.48
506.00	go 10%g 90%o	7.10
0.00	1044 GIP	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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Joseph 35-1

Job Ticket: 59035

DST#: 7

ATTN: Kitt Noah

Test Start: 2014.09.02 @ 13:11:16

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	mcgo 10%g 60%o 30%m	0.610
186.00	gocm 10%g 30%o 60%m	1.452
248.00	mcgo 15%g 80%o 5%m	3.479
506.00	go 10%g 90%o	7.098
0.00	1044 GIP	0.000

Total Length: 1064.00 ft Total Volume: 12.639 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 31@70=30

Pressure vs. Time

