



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: 59034 **DST#: 6**
 Test Start: 2014.08.31 @ 19:02:08

GENERAL INFORMATION:

Formation: **K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:05:08
 Time Test Ended: 03:37:38
Interval: 4288.00 ft (KB) To 4320.00 ft (KB) (TVD)
 Total Depth: 4320.00 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

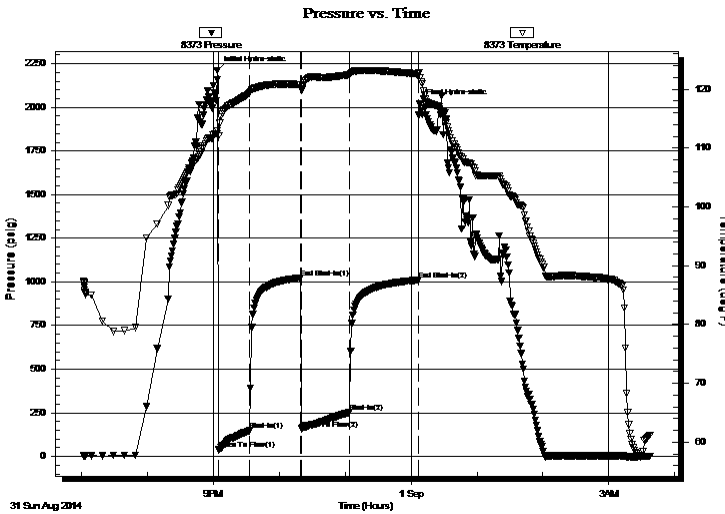
Serial #: 8373

Inside

Press @ Run Depth: 252.58 psig @ 4289.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.31 End Date: 2014.09.01 Last Calib.: 2014.09.01
 Start Time: 19:02:13 End Time: 03:37:38 Time On Btm: 2014.08.31 @ 21:03:38
 Time Off Btm: 2014.09.01 @ 00:08:08

TEST COMMENT: IF: BOB in 8 min.
 IS: Surface blow built to 5.
 FF: BOB in 12 min.
 FS: Surface blow died in 15 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2211.65	112.39	Initial Hydro-static
2	38.55	112.12	Open To Flow (1)
30	148.02	119.33	Shut-In(1)
76	1022.62	120.78	End Shut-In(1)
77	157.89	119.81	Open To Flow (2)
121	252.58	122.46	Shut-In(2)
183	1010.77	122.56	End Shut-In(2)
185	2020.79	121.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	w mcgo 10%g 58%o 2%w 30%m	0.61
186.00	mcgo 30%g 60%o 10%m	1.45
186.00	go 30%g 70%o	2.61
155.00	go 10%g 90%o	2.17
0.00	GIP 620	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: 59034

DST#: 6

ATTN: Kitt Noah

Test Start: 2014.08.31 @ 19:02:08

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	w mcgo 10%g 58%o 2%w 30%m	0.610
186.00	mcgo 30%g 60%o 10%m	1.452
186.00	go 30%g 70%o	2.609
155.00	go 10%g 90%o	2.174
0.00	GIP 620	0.000

Total Length: 651.00 ft Total Volume: 6.845 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 35@60=35

