



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil, Inc

21 11s 32w Logan, Ks

PO Box 8050
Edmond, OK

Rumback B 21-1

ATTN: Kitt Noah

Job Ticket: 59553

DST#: 3

Test Start: 2014.12.11 @ 22:58:00

GENERAL INFORMATION:

Formation: **LKC - K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:57:00

Time Test Ended: 05:47:43

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: 4278.00 ft (KB) To 4320.00 ft (KB) (TVD)

Reference Elevations: 3057.00 ft (KB)

Total Depth: 3320.00 ft (KB) (TVD)

3046.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8365

Inside

Press @ Run Depth: 86.05 psig @ 4279.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.11

End Date:

2014.12.12

Last Calib.:

2014.12.12

Start Time: 22:58:05

End Time:

05:47:43

Time On Btm:

2014.12.12 @ 00:56:45

Time Off Btm:

2014.12.12 @ 03:29:45

TEST COMMENT:

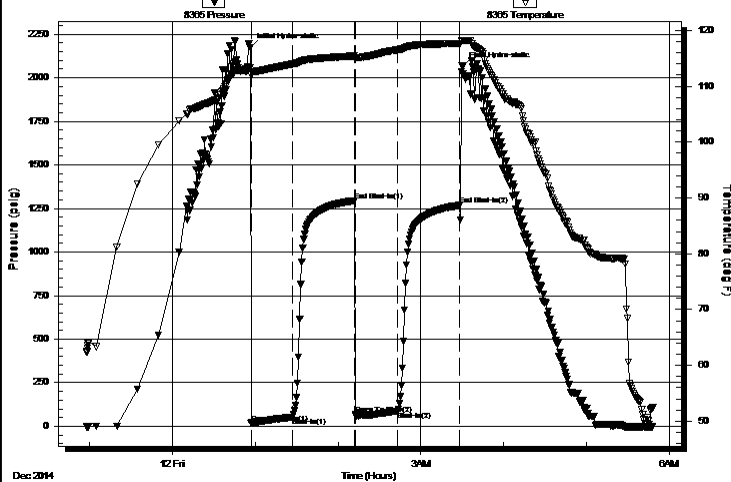
IF: 8" blow.

IS: No return.

FF: BOB @ 25 min.

FS: Surface return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2174.23	113.37	Initial Hydro-static
1	18.47	111.99	Open To Flow (1)
30	52.88	113.96	Shut-In(1)
76	1295.43	115.44	End Shut-In(1)
76	67.14	115.11	Open To Flow (2)
106	86.05	116.51	Shut-In(2)
151	1268.14	117.68	End Shut-In(2)
153	2066.60	118.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
105.00	gocm 20g 25o 55m	0.52
65.00	go 35g 65o	0.32
0.00	490' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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ATTN: Kitt Noah

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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

41 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
105.00	gocm 20g 25o 55m	0.516
65.00	go 35g 65o	0.320
0.00	490' GIP	0.000

Total Length: 170.00 ft Total Volume: 0.836 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

