



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Russel Oil, Inc.
PO Box 8050
Edmond, OK 73083
ATTN: Kitt Noah

23-11s-32w Logan,KS

Maurath " C " #23-1

Job Ticket: 56711

DST#: 3

Test Start: 2014.01.21 @ 06:53:00

GENERAL INFORMATION:

Formation: **LCK " K "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:59:15

Time Test Ended: 13:31:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 71

Interval: 4276.00 ft (KB) To 4326.00 ft (KB) (TVD)

Reference Elevations: 3034.00 ft (KB)

Total Depth: 4326.00 ft (KB) (TVD)

3023.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8845 Outside

Press@RunDepth: 20.80 psig @ 4277.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.01.21

End Date:

2014.01.21

Last Calib.:

2014.01.21

Start Time: 06:53:05

End Time:

13:30:59

Time On Btm:

2014.01.21 @ 08:59:00

Time Off Btm:

2014.01.21 @ 11:07:00

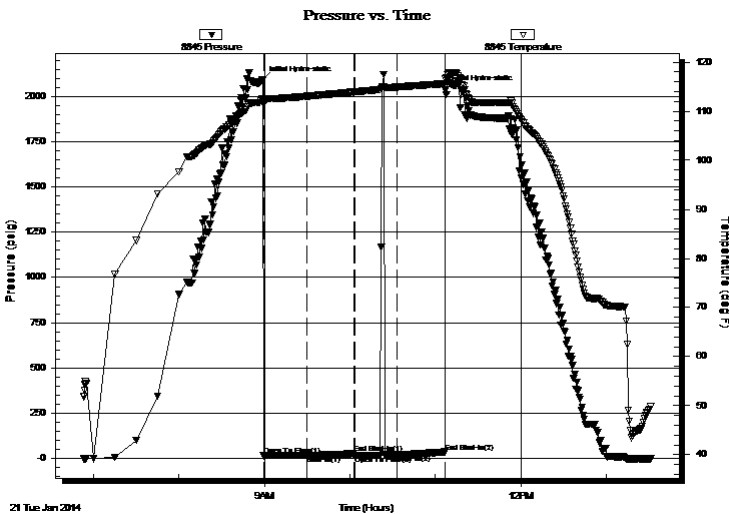
TEST COMMENT: IF: 1" Blow .

IS: No Return.

FF: No Blow . Flushed Tool @ 20 min. Weak Surface Blow died @ 28 min.

FS: No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2091.06	112.63	Initial Hydro-static
1	15.01	111.41	Open To Flow (1)
31	16.96	113.03	Shut-In(1)
64	26.77	113.93	End Shut-In(1)
65	16.77	113.94	Open To Flow (2)
95	20.80	114.93	Shut-In(2)
128	35.63	115.62	End Shut-In(2)
128	2038.66	116.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m	0.02

* 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

ATTN: Kitt Noah

Test Start: 2014.01.21 @ 06:53:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	Mud 100m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8845

Outside Russel Oil, Inc.

Maurath "C" #23-1

DST Test Number: 3

