



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

New Gulf Operating

4-12-32 Logan, Ks

10441 S Regal BLVD
Tulsa, Ok 74133

James 1-4

ATTN: Steve Murphy/ Jim He

Job Ticket: 59044

DST#: 2

Test Start: 2014.10.03 @ 17:54:42

GENERAL INFORMATION:

Formation: **LKC H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:09:42

Time Test Ended: 00:30:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: 4212.00 ft (KB) To 4244.00 ft (KB) (TVD)

Reference Elevations: 3056.00 ft (KB)

Total Depth: 4244.00 ft (KB) (TVD)

3046.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8166 Outside

Press @ RunDepth: 35.14 psig @ 4213.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.03

End Date:

2014.10.04

Last Calib.:

2014.10.04

Start Time:

17:54:47

End Time:

00:30:41

Time On Btm:

2014.10.03 @ 20:08:12

Time Off Btm:

2014.10.03 @ 22:27:42

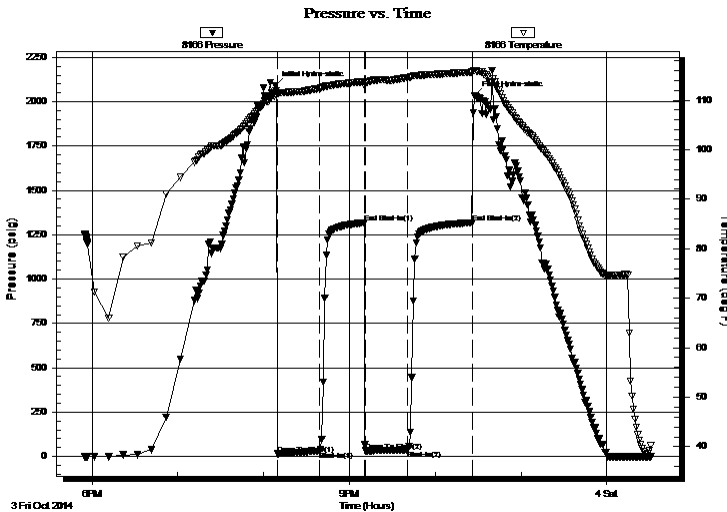
TEST COMMENT: IF: Surface blow built to 1/2 in 10 min died in 23 min.

IS: No return.

FF: No blow.

FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2089.33	111.16	Initial Hydro-static
2	14.63	111.34	Open To Flow (1)
31	30.41	112.39	Shut-In(1)
62	1317.51	113.75	End Shut-In(1)
63	31.14	113.46	Open To Flow (2)
93	35.14	114.56	Shut-In(2)
138	1318.57	115.65	End Shut-In(2)
140	2034.64	116.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	mud 100%m	0.42

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:

0 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	mud 100%m	0.419

Total Length: 50.00 ft Total Volume: 0.419 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

