



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Gulf Exploration
 9701 N. Broadway Extension
 Oklahoma City, OK 73114
 ATTN: Mike Madcharo

3/7S/36W

Goetsch #1-3

Job Ticket: 62290

DST#: 4

Test Start: 2015.06.02 @ 11:36:00

GENERAL INFORMATION:

Formation: **LKC "L&M"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:56:30
 Time Test Ended: 18:59:00
 Interval: **4337.00 ft (KB) To 4424.00 ft (KB) (TVD)**
 Total Depth: 4424.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Quintana
 Unit No: 57
 Reference Elevations: 3324.00 ft (KB)
 3313.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8647

Inside

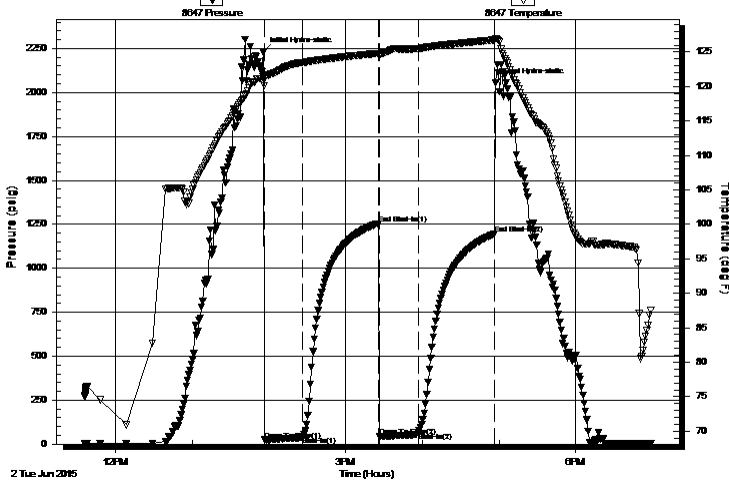
Press @ Run Depth: 66.42 psig @ 4338.00 ft (KB)
 Start Date: 2015.06.02 End Date: 2015.06.02
 Start Time: 11:36:01 End Time: 18:59:00
 Capacity: 8000.00 psig
 Last Calib.: 2015.06.02
 Time On Btm: 2015.06.02 @ 13:55:30
 Time Off Btm: 2015.06.02 @ 16:57:30

TEST COMMENT: 30 - IF - Opened w/surface blow , built to 1 1/8"
 60 - ISI - No Return
 30 - FF - No Blow
 60 - FSI - No Return

PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2230.20 | 121.40 | Initial Hydro-static |
| 1 | 23.98 | 120.10 | Open To Flow (1) |
| 31 | 42.12 | 123.49 | Shut-In(1) |
| 90 | 1253.77 | 124.82 | End Shut-In(1) |
| 91 | 43.24 | 124.54 | Open To Flow (2) |
| 121 | 66.42 | 125.51 | Shut-In(2) |
| 181 | 1197.05 | 126.75 | End Shut-In(2) |
| 182 | 2054.36 | 126.98 | Final Hydro-static |

Pressure vs. Time



Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--|--------------|
| 61.00 | OCM 90% m, 10% o w/a layer of free oil | tc0.30 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gulf Exploration

3/7S/36W

9701 N.Broadway Extension
Oklahoma City, OK 73114

Goetsch #1-3

Job Ticket: 62290

DST#: 4

ATTN: Mike Madcharo

Test Start: 2015.06.02 @ 11:36:00

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 14000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--|---------------|
| 61.00 | OCM 90% m, 10% o w/a layer of free oil top | 0.300 |

Total Length: 61.00 ft Total Volume: 0.300 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

