



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

3/7S/36W

Goetsch #1-3

Job Ticket: 62288

DST#: 2

Test Start: 2015.05.31 @ 21:25:00

GENERAL INFORMATION:

Formation: **Toronto - LKC A-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:33:30

Time Test Ended: 04:40:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Quintana

Unit No: 57

Interval: 4101.00 ft (KB) To 4275.00 ft (KB) (TVD)

Reference Elevations: 3324.00 ft (KB)

Total Depth: 4275.00 ft (KB) (TVD)

3313.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8647

Inside

Press @ Run Depth: 1055.79 psig @ 4102.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.05.31

End Date:

2015.06.01

Last Calib.:

2015.06.01

Start Time: 21:25:01

End Time:

04:40:30

Time On Btm:

2015.05.31 @ 23:32:30

Time Off Btm:

2015.06.01 @ 02:02:30

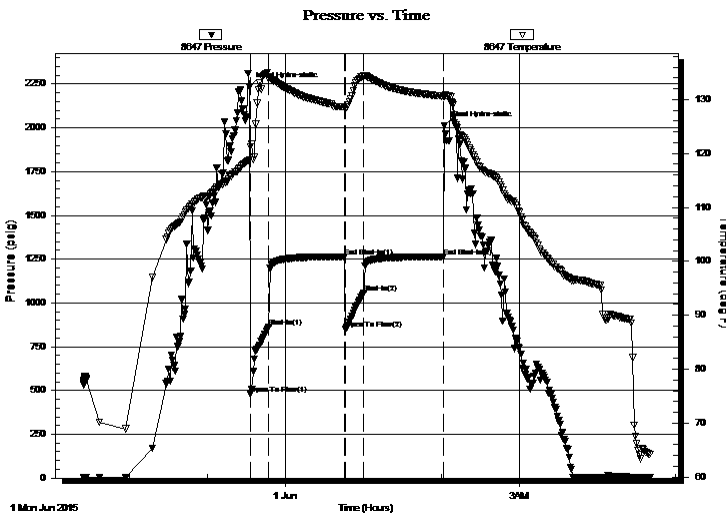
TEST COMMENT: 15 - IF - Opened w/surface blow , built to B.o.B in less than a minute

60 - ISI - No Return

15 - FF - Blow built to B.o.B in less than a minute

60 - FSI - No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2233.30	118.80	Initial Hydro-static
1	480.83	121.18	Open To Flow (1)
15	864.24	133.85	Shut-In(1)
73	1264.84	128.65	End Shut-In(1)
74	852.33	128.08	Open To Flow (2)
88	1055.79	134.38	Shut-In(2)
149	1264.06	130.61	End Shut-In(2)
150	2011.32	130.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
984.00	SMW 90%w , 10%m	11.87
496.00	MW 60%w , 40%m	6.96
464.00	100%m	6.51

Gas Rates

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



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FLUID SUMMARY

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Goetsch #1-3

Job Ticket: 62288

DST#: 2

ATTN: Mike Madcharo

Test Start: 2015.05.31 @ 21:25:00

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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
984.00	SMW 90%w , 10%m	11.867
496.00	MW 60%w , 40%m	6.958
464.00	100%m	6.509

Total Length: 1944.00 ft Total Volume: 25.334 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .126 @ 55F Chlorides 80,000ppm

