



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Eternity Exploration, LLC

Betty Werth #1

338 Spyglass Dr.
Coppell, TX 75019

7/10s/25w Graham KS

ATTN: Jim Musgrove

Job Ticket: 040831

DST#: 1

Test Start: 2011.02.19 @ 12:30:00

GENERAL INFORMATION:

Formation: **Toronto - LKC "D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:51:00
 Time Test Ended: 20:23:00
 Interval: **3751.00 ft (KB) To 3864.00 ft (KB) (TVD)**
 Total Depth: 3864.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: James Winder
 Unit No: 46
 Reference Elevations: 2548.00 ft (KB)
 2543.00 ft (CF)
 KB to GR/CF: 5.00 ft

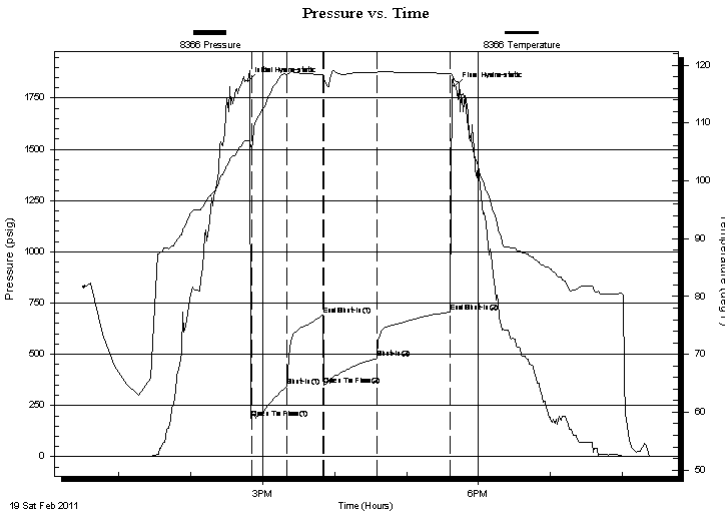
Serial #: 8366

Inside

Press @ Run Depth: 479.51 psig @ 3752.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.02.19 End Date: 2011.02.19 Last Calib.: 2011.02.19
 Start Time: 12:30:05 End Time: 20:22:59 Time On Btm: 2011.02.19 @ 14:48:00
 Time Off Btm: 2011.02.19 @ 17:40:00

TEST COMMENT: IF: Blow built to BOB (11 1/2") in 2 1/2 min.
 IS: Bled off for 5 min., Blow back built to BOB in 8 3/4 min.
 FF: Blow built to BOB in 2 1/4 min.
 FS: Bled off in 3 min., Blow back built to BOB in 9 m

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1831.04	106.84	Initial Hydro-static
3	185.67	105.86	Open To Flow (1)
33	344.65	118.27	Shut-In(1)
62	690.26	118.34	End Shut-In(1)
63	349.92	118.06	Open To Flow (2)
108	479.51	118.79	Shut-In(2)
169	706.40	118.52	End Shut-In(2)
172	1806.64	117.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	GWMO 37%o, 29%m, 17%w, 17%g	0.61
62.00	SW/GOM 33%m, 30%g, 28%o, 9%w	0.87
124.00	GMCO 53%o, 30%g, 17%m	1.74
248.00	GOM 49%m, 35%o, 16%g	3.48
687.00	CGO 55%o, 41%g, 4%m	9.64
0.00	GIP = 2503	0.00

Gas Rates

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



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 38 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.00 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3300.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	GWMO 37%o, 29%m, 17%w, 17%g	0.610
62.00	SW/GOM 33%m, 30%g, 28%o, 9%w	0.870
124.00	GMCO 53%o, 30%g, 17%m	1.739
248.00	GOM 49%m, 35%o, 16%g	3.479
687.00	CGO 55%o, 41%g, 4%m	9.637
0.00	GIP = 2503	0.000

Total Length: 1245.00 ft Total Volume: 16.335 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity = 37.2 api @ 52 deg F
Corrected Gravity = 38 api

