



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Suncoast Technical Services, Inc

Sec. 27-8s-23w Graham, KS

P.O. Box 860037
Plano, TX 75086

Roaring Fork #1

Job Ticket: 62452

DST#: 3

ATTN: Jeff Lawler/Anita Ba

Test Start: 2015.02.01 @ 20:31:00

GENERAL INFORMATION:

Formation: **LKC "J-K"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 00:53:00
 Tester: Phillip Gage
 Time Test Ended: 06:05:40
 Unit No: 77
 Interval: **3740.00 ft (KB) To 3800.00 ft (KB) (TVD)**
 Reference Elevations: 2255.00 ft (KB)
 Total Depth: 3800.00 ft (KB) (TVD)
 2247.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 8.00 ft

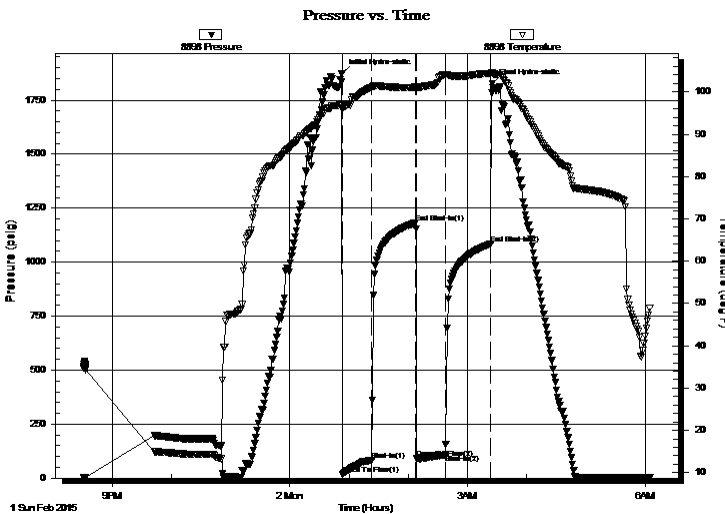
Serial #: 8898

Outside

Press @ Run Depth: 108.97 psig @ 3741.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.02.01 End Date: 2015.02.02 Last Calib.: 2015.02.02
 Start Time: 20:31:01 End Time: 06:05:40 Time On Btm: 2015.02.02 @ 00:52:50
 Time Off Btm: 2015.02.02 @ 03:25:30

TEST COMMENT: 30-IF-Built to 7 1/2"
 45-ISI-Surface Blow, Died in 20 mins.
 30-FF-Built to 5 1/2"
 45-FSI-Weak Surface Blow, Died in 10 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1874.39	96.62	Initial Hydro-static
1	16.29	95.77	Open To Flow (1)
31	82.43	101.08	Shut-In(1)
75	1182.30	101.11	End Shut-In(1)
76	92.26	100.57	Open To Flow (2)
106	108.97	104.10	Shut-In(2)
151	1085.62	104.41	End Shut-In(2)
153	1825.47	104.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	WM, 30%w, 70%m	0.31
126.00	VSWCM, 5%w, 95%m	1.26
15.00	M, 100%m	0.21

* Recovery from multiple tests

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
Mud Weight: 9.00 lb/gal
Viscosity: 43.00 sec/qt
Water Loss: 7.20 in³
Resistivity: ohm.m
Salinity: 1800.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 25000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	WM, 30%w , 70%m	0.310
126.00	VSWCM, 5%w , 95%m	1.257
15.00	M, 100%m	0.210

Total Length: 204.00 ft Total Volume: 1.777 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .8 @ 2 degrees = 25,000 Salinity

Pressure vs. Time

