



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Larson Engineering

Cramer 2-22

562 W St. Rd 4
Olmitz Ks, 67564

22/17s/30w

Job Ticket: 40215

DST#: 4

ATTN: Vern Schrag

Test Start: 2010.09.17 @ 11:39:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:45:36

Time Test Ended: 17:35:30

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: 4286.00 ft (KB) To 4290.00 ft (KB) (TVD)

Reference Elevations: 2867.00 ft (KB)

Total Depth: 4390.00 ft (KB) (TVD)

2862.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8357

Inside

Press @ Run Depth: 25.13 psig @ 4288.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.09.17

End Date:

2010.09.17

Last Calib.: 2010.09.17

Start Time: 11:39:05

End Time:

17:35:29

Time On Btm: 2010.09.17 @ 13:42:24

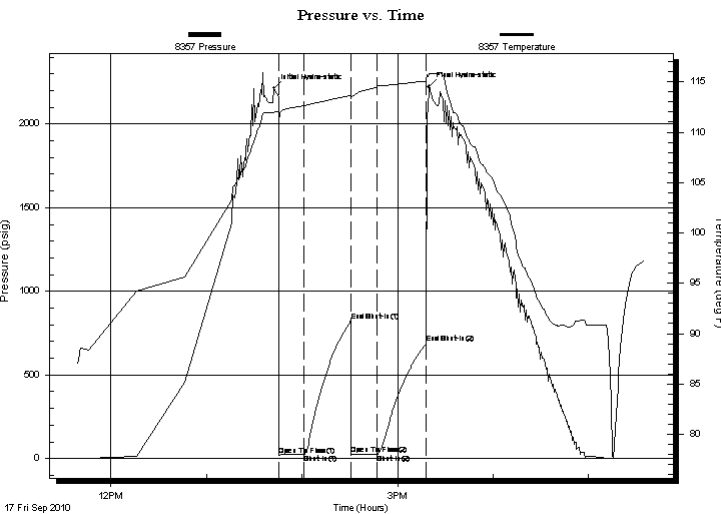
Time Off Btm: 2010.09.17 @ 15:19:30

TEST COMMENT: IF: surface blow died @ 11 min.

IS: no return.

FF: no blow.

FSI no return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2213.10	111.99	Initial Hydro-static
4	21.28	110.96	Open To Flow (1)
19	22.70	112.63	Shut-In(1)
49	823.37	113.66	End Shut-In(1)
49	24.74	113.30	Open To Flow (2)
65	25.13	114.55	Shut-In(2)
96	689.29	115.09	End Shut-In(2)
98	2221.95	115.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100% M	0.02

Gas Rates

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



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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	Mud 100% M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

