



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FIML Natural Resources

Smith 13c-16-1931

410 17th St.
STE 900
Denver Co.80202
ATTN: Josh Austin

Sec 16 Twp 19sRge31w

Job Ticket: 37972 **DST#: 3**

Test Start: 2010.08.07 @ 07:50:00

GENERAL INFORMATION:

Formation: **Spergen**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:57:30

Time Test Ended: 14:17:30

Test Type: Conventional Bottom Hole

Tester: Chuck Kreuzer Jr.

Unit No: 36

Interval: 4594.00 ft (KB) To 4633.00 ft (KB) (TVD)

Reference Elevations: 2974.00 ft (KB)

Total Depth: 4633.00 ft (KB) (TVD)

2962.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 6741 Inside

Press @ Run Depth: 81.94 psig @ 4595.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.08.07 End Date: 2010.08.07

Last Calib.: 2010.08.07

Start Time: 07:50:01 End Time: 14:17:30

Time On Btm: 2010.08.07 @ 09:49:30

Time Off Btm: 2010.08.07 @ 12:25:00

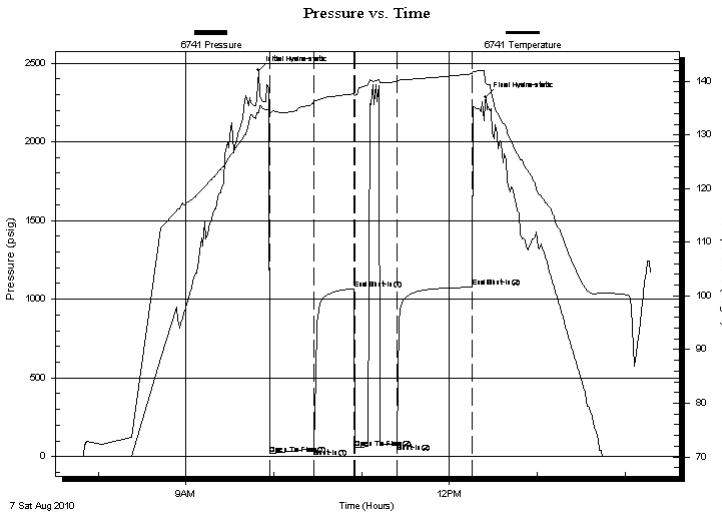
TEST COMMENT: IF: Weak blow, Started at 1/2 in. Died to surface over 30 mins.

IS: No blow back over 30 mins.

FF: No blow, Flushed tool, Weak surface blow.

FS: No blow back over 45 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2453.72	134.20	Initial Hydro-static
8	17.70	134.04	Open To Flow (1)
38	51.69	136.19	Shut-In(1)
66	1067.78	137.69	End Shut-In(1)
66	55.61	137.37	Open To Flow (2)
95	81.94	139.93	Shut-In(2)
146	1076.41	141.41	End Shut-In(2)
156	2284.30	139.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mud	0.59

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:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Mud	0.590

Total Length: 120.00 ft Total Volume: 0.590 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

