



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Neal Lafon Realty Inc
 1475 Ward Dr
 Franktown Co 80116
 ATTN: Pat Deenihan

33-9s-19w

Hamel 3A

Job Ticket: 52537

DST#: 1

Test Start: 2013.10.13 @ 17:06:34

GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:24:34

Time Test Ended: 00:05:34

Test Type: Conventional Bottom Hole (Initial)

Tester: Jeff Brown

Unit No: 67

Interval: 3359.00 ft (KB) To 3383.00 ft (KB) (TVD)

Reference Elevations: 2213.00 ft (KB)

Total Depth: 3383.00 ft (KB) (TVD)

2208.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8679 Inside

Press @ Run Depth: 20.48 psig @ 3360.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.13 End Date: 2013.10.14

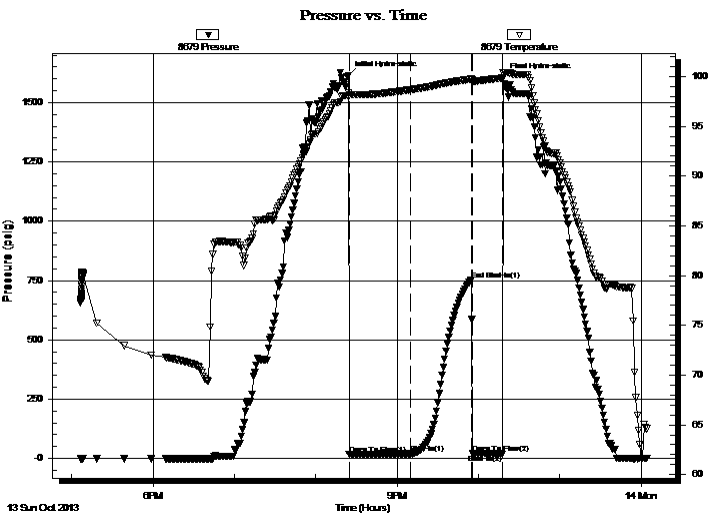
Last Calib.: 2013.10.14

Start Time: 17:06:35 End Time: 00:04:34

Time On Btm: 2013.10.13 @ 20:24:04

Time Off Btm: 2013.10.13 @ 22:18:04

TEST COMMENT: IFP=Weak blow built to 1/4 in
 ISI=Dead no blow back
 FFP=Dead no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1614.24	98.32	Initial Hydro-static
1	17.82	98.05	Open To Flow (1)
46	20.48	98.68	Shut-In(1)
91	752.99	99.74	End Shut-In(1)
92	20.74	99.49	Open To Flow (2)
114	19.38	99.85	Shut-In(2)
114	1605.83	100.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud with oil spots	0.05

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: 8.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 76.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud with oil spots	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

