



**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: 52538

DST#: 2

Test Start: 2013.10.14 @ 11:24:22

GENERAL INFORMATION:

Formation: **LKC- C&D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:20:52

Time Test Ended: 19:00:52

Test Type: Conventional Bottom Hole (Reset)

Tester: Jeff Brown

Unit No: 67

Interval: 3453.00 ft (KB) To 3494.00 ft (KB) (TVD)

Total Depth: 3494.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2213.00 ft (KB)

2208.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8679

Inside

Press @ Run Depth: 33.53 psig @ 3457.00 ft (KB)

Start Date: 2013.10.14

End Date: 2013.10.14

Start Time: 11:24:23

End Time: 18:58:52

Capacity: 8000.00 psig

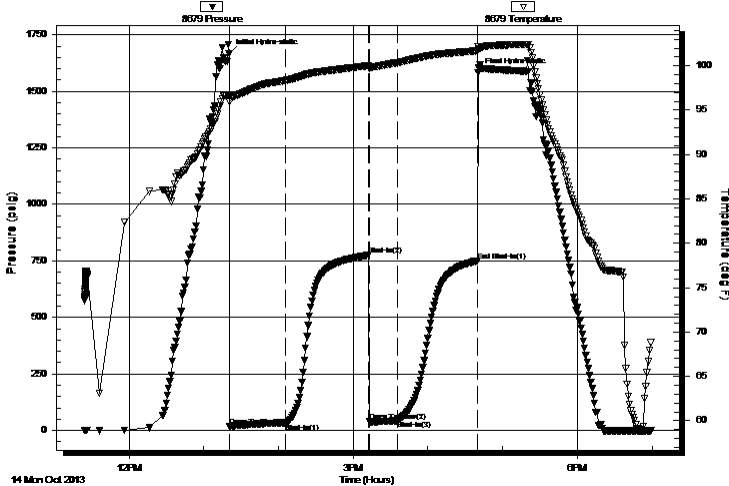
Last Calib.: 2013.10.14

Time On Btm: 2013.10.14 @ 13:20:22

Time Off Btm: 2013.10.14 @ 16:40:22

TEST COMMENT: IFP=Weak blow built to 2 in
ISI=Dead no blow back
FFP=Weak surface blow built to 1/4 in died out in 8 min
FSI=Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1667.42	96.76	Initial Hydro-static
1	18.31	95.92	Open To Flow (1)
46	33.53	98.36	Shut-In(1)
112	775.10	100.02	Shut-In(2)
113	39.87	99.68	Open To Flow (2)
136	45.02	100.35	Shut-In(3)
200	750.63	101.69	End Shut-In(1)
200	1581.76	102.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM 10%O 90%M	0.30

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Job Ticket: 52538 **DST#: 2**
Test Start: 2013.10.14 @ 11:24:22

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: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OCM 10%O 90%M	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time

