



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Castelli Exploration Inc  
 6908 NW 112th  
 Oklahoma, City OK 73162-2976  
 ATTN: Tom Castelli

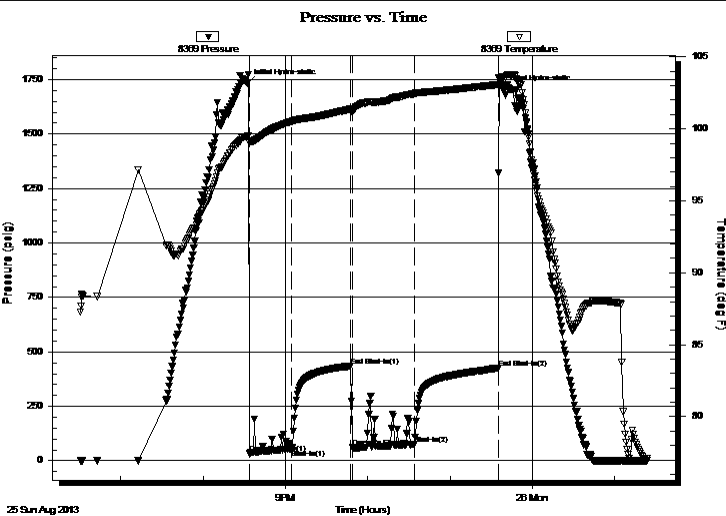
**18-10s-19w Rooks**  
**Heiland #2-18**  
 Job Ticket: 54801      **DST#: 1**  
 Test Start: 2013.08.25 @ 18:30:51

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 20:33:46  
 Time Test Ended: 01:23:30  
 Interval: **3676.00 ft (KB) To 3802.00 ft (KB) (TVD)**  
 Total Depth: 3802.00 ft (KB) (TVD)  
 Hole Diameter: 6.75 inches      Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ray Schwager  
 Unit No: 70  
 Reference Elevations: 2225.00 ft (KB)  
 2220.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8369      Inside**  
 Press @ Run Depth: 75.69 psig @ 3682.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2013.08.25      End Date: 2013.08.26      Last Calib.: 2013.08.26  
 Start Time: 18:30:51      End Time: 01:23:30      Time On Btm: 2013.08.25 @ 20:32:16  
 Time Off Btm: 2013.08.25 @ 23:39:00

**TEST COMMENT:** 30-IFP-w k bl thru-out 1/2" to 2" bl  
 45-ISIP-no bl  
 45-FFP-w k bl thru-out surface to 1/8" bl  
 60-FSIP-no bl



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1733.23	99.49	Initial Hydro-static
2	33.96	99.01	Open To Flow (1)
33	54.30	100.51	Shut-In(1)
75	434.59	101.37	End Shut-In(1)
77	60.14	101.14	Open To Flow (2)
122	75.69	102.44	Shut-In(2)
183	426.24	103.08	End Shut-In(2)
187	1703.69	103.60	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
110.00	SOCM 5% O95%M	1.27

## 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: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.96 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	SOCM 5%O95%M	1.270

Total Length: 110.00 ft      Total Volume: 1.270 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

