



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Robert F Hembree  
 PO Box 542  
 Ness City Ks 67560-0542  
 ATTN: Fred Hembree, Jim Mu

**35-18s-24w Ness**  
**Schwartzkopf #2**  
 Job Ticket: 55464 **DST#: 2**  
 Test Start: 2013.12.19 @ 12:55:34

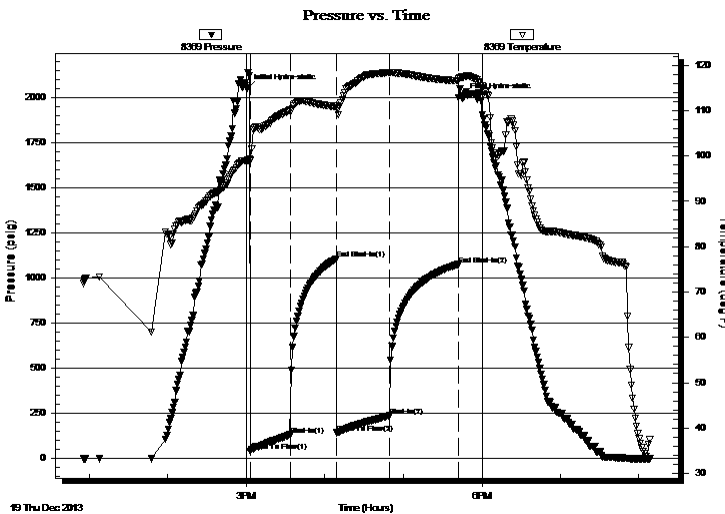
## GENERAL INFORMATION:

Formation: **Miss**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 15:02:44  
 Time Test Ended: 20:08:13  
 Interval: **4249.00 ft (KB) To 4306.00 ft (KB) (TVD)**  
 Total Depth: 4306.00 ft (KB) (TVD)  
 Hole Diameter: 7.85 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Ray Schwager  
 Unit No: 70  
 Reference Elevations: 2293.00 ft (KB)  
 2286.00 ft (CF)  
 KB to GR/CF: 7.00 ft

**Serial #: 8369 Inside**  
 Press @ Run Depth: 237.29 psig @ 4251.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.12.19 End Date: 2013.12.19 Last Calib.: 2013.12.19  
 Start Time: 12:55:34 End Time: 20:08:13 Time On Btm: 2013.12.19 @ 15:00:44  
 Time Off Btm: 2013.12.19 @ 17:45:43

**TEST COMMENT:** 30-IFP-w k to strg in 6min  
 30-ISIP-1/4"bl bk  
 45-FFP-w k to strg in 11min  
 60-FSIP-surface bl bk

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2049.37	98.94	Initial Hydro-static
2	39.22	98.88	Open To Flow (1)
33	131.94	110.07	Shut-In(1)
68	1107.17	110.95	End Shut-In(1)
69	143.50	110.51	Open To Flow (2)
109	237.29	118.31	Shut-In(2)
161	1075.21	116.55	End Shut-In(2)
165	1997.84	117.42	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	340'GIP	0.00
380.00	CO	5.33
80.00	MGO 20%G25%M55%O	1.12
186.00	MGO 20%G15%M65%O	2.61

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Robert F Hembree

**35-18s-24w Ness**

PO Box 542  
Ness City Ks 67560-0542

**Schwartzkopf #2**

Job Ticket: 55464

**DST#: 2**

ATTN: Fred Hembree, Jim Mu

Test Start: 2013.12.19 @ 12:55:34

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 50.00 sec/qt  
Water Loss: 10.30 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 4700.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 35 deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	340'GIP	0.000
380.00	CO	5.330
80.00	MGO 20%G25%M55%O	1.122
186.00	MGO 20%G15%M65%O	2.609

Total Length: 646.00 ft      Total Volume: 9.061 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

