



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Robert F Hembree  
 PO Box 542  
 Ness City, Ks 67560  
 ATTN: Kurt Talbot

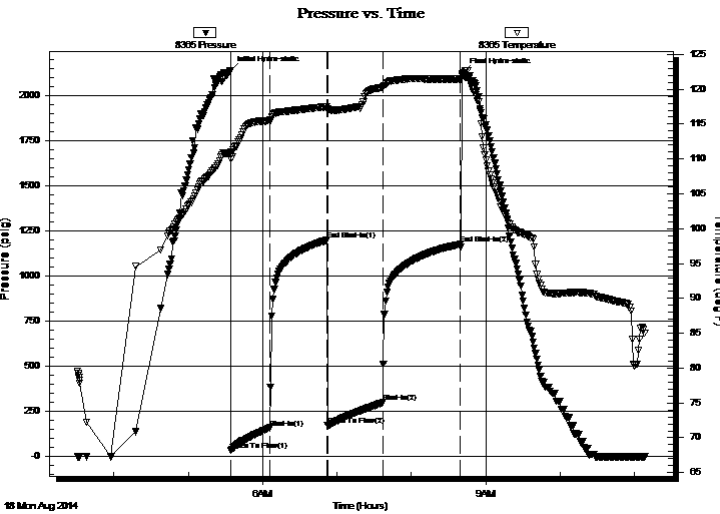
**34 18s 35w Ness, Ks**  
**H&S #1**  
 Job Ticket: 59146 **DST#: 1**  
 Test Start: 2014.08.18 @ 03:30:30

## GENERAL INFORMATION:

Formation: **Mississippian**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 05:34:30  
 Time Test Ended: 11:08:15  
 Interval: **4317.00 ft (KB) To 4364.00 ft (KB) (TVD)**  
 Total Depth: 4364.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Bradley Walter  
 Unit No: 69  
 Reference Elevations: 2342.00 ft (KB)  
 2335.00 ft (CF)  
 KB to GR/CF: 7.00 ft

**Serial #: 8365 Inside**  
 Press@RunDepth: 298.55 psig @ 4318.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.08.18 End Date: 2014.08.18 Last Calib.: 2014.08.18  
 Start Time: 03:30:35 End Time: 11:08:14 Time On Btm: 2014.08.18 @ 05:34:15  
 Time Off Btm: 2014.08.18 @ 08:41:45

TEST COMMENT: IF: BOB @ 7 min.  
 IS: 2" return, receded to a surface blow .  
 FF: BOB @ 8 min.  
 FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2140.20	110.97	Initial Hydro-static
1	33.14	110.06	Open To Flow (1)
32	158.81	115.50	Shut-In(1)
78	1199.10	117.51	End Shut-In(1)
79	169.74	117.16	Open To Flow (2)
123	298.55	120.24	Shut-In(2)
186	1175.79	121.47	End Shut-In(2)
188	2129.07	122.27	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
370.00	gmco 35g 25m 40o	5.19
450.00	go 30g 70o	6.31
0.00	230'GIP	0.00

## 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: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.19 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3100.00 ppm		
Filter Cake: 1.00 inches		

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
370.00	gmco 35g 25m 40o	5.190
450.00	go 30g 70o	6.312
0.00	230'GIP	0.000

Total Length: 820.00 ft      Total Volume: 11.502 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

# Pressure vs. Time

