



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Red oak Energy, Inc  
 7701 E Kellogg Dr Ste 710  
 Wichita, Ks 67207  
 ATTN: Sean Deenihan

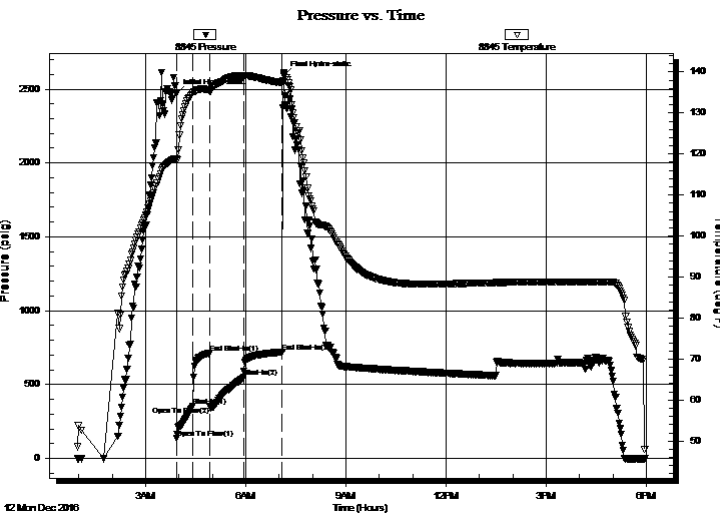
**35 14s 41w Wallace, Ks**  
**PWAB 1-35**  
 Job Ticket: 63475 **DST#: 2**  
 Test Start: 2016.12.12 @ 00:58:05

## GENERAL INFORMATION:

Formation: **Morrow Sand**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 03:55:45 Tester: Bradley Walter  
 Time Test Ended: 17:57:15 Unit No: 78  
 Interval: **4960.00 ft (KB) To 5035.00 ft (KB) (TVD)** Reference Elevations: 3786.00 ft (KB)  
 Total Depth: 5035.00 ft (KB) (TVD) 3775.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

**Serial #: 8845 Outside**  
 Press@RunDepth: 549.06 psig @ 4961.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.12.12 End Date: 2016.12.12 Last Calib.: 2016.12.12  
 Start Time: 00:58:05 End Time: 17:57:15 Time On Btm: 2016.12.12 @ 03:55:15  
 Time Off Btm: 2016.12.12 @ 07:08:29

**TEST COMMENT:** IF: BOB @ 2 min.  
 IS: Gas to surface 3" return.  
 FF: BOB @ 1 min. gas TSTM took Sample. oil mist from blow turbe.  
 FS: BOB return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2470.18	118.87	Initial Hydro-static
1	137.54	118.22	Open To Flow (1)
30	353.96	135.01	Shut-In(1)
60	711.18	135.49	End Shut-In(1)
61	353.78	135.30	Open To Flow (2)
121	549.06	139.04	Shut-In(2)
191	718.99	137.36	End Shut-In(2)
194	2590.83	139.59	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1400.00	gcmo 10%g 20%m 70%o	16.87
124.00	gcom 10%g 20%o 70%m (collars)	1.74

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Red oak Energy, Inc  
7701 E Kellogg Dr Ste 710  
Wichita, Ks 67207  
ATTN: Sean Deenihan

**35 14s 41w Wallace, Ks**  
**PWAB 1-35**  
Job Ticket: 63475      **DST#: 2**  
Test Start: 2016.12.12 @ 00:58:05

## Mud and Cushion Information

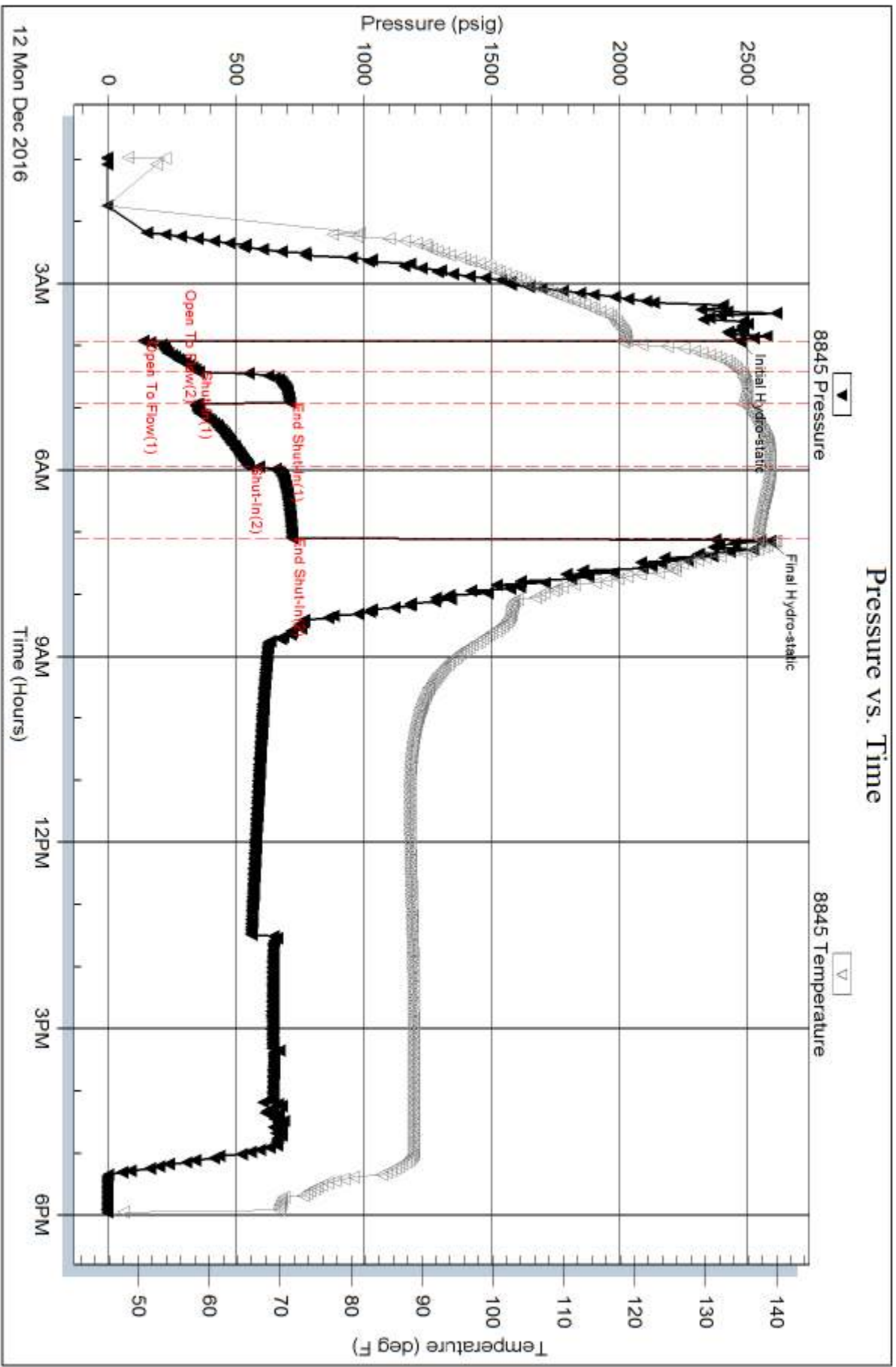
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6700.00 ppm			
Filter Cake: 2.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1400.00	gcmo 10%g 20%m 70%o	16.869
124.00	gcom 10%g 20%o 70%m (collars)	1.739

Total Length: 1524.00 ft      Total Volume: 18.608 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:



Serial #: 8365

Inside

Red oak Energy, Inc

PWAB 1-35

DST Test Number: 2

