



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

White Exploration Inc.  
 2400 N Woodlaw n Ste. 115  
 Wichita KS 67202  
 ATTN: Ken Leblanc

**Nuss Craighead Unit**  
**36-22-24 Hodgeman KS**  
 Job Ticket: 43174 **DST#: 1**  
 Test Start: 2011.07.25 @ 04:35:15

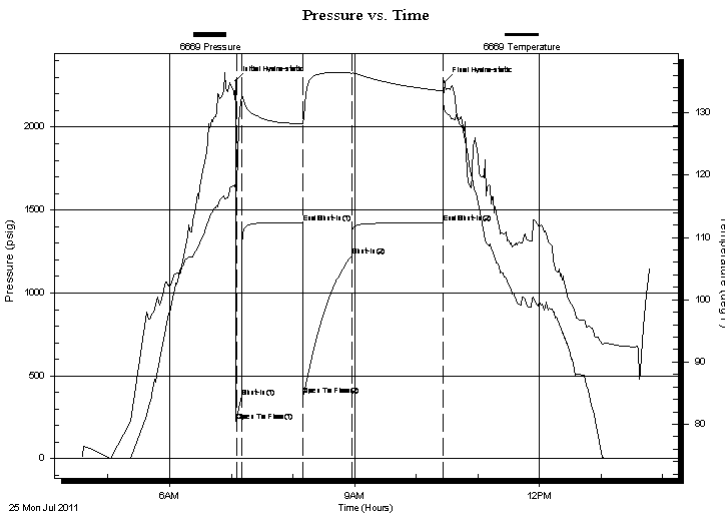
## GENERAL INFORMATION:

Formation: **Basal Sand-Cherokee**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:04:45  
 Time Test Ended: 13:48:00  
 Interval: **4555.00 ft (KB) To 4625.00 ft (KB) (TVD)**  
 Total Depth: 4625.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Mike Roberts  
 Unit No: 48  
 Reference Elevations: 2327.00 ft (KB)  
 2322.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 6669 Outside**  
 Press @ Run Depth: 1225.66 psig @ 4620.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.07.25 End Date: 2011.07.25 Last Calib.: 2011.07.25  
 Start Time: 04:35:15 End Time: 13:48:00 Time On Btm: 2011.07.25 @ 07:04:30  
 Time Off Btm: 2011.07.25 @ 10:28:00

TEST COMMENT: IF:BOB in 2 min.  
 IS:No return blow  
 FF:BOB in 2 min.  
 FS:No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2280.42	118.94	Initial Hydro-static
1	228.44	118.69	Open To Flow (1)
6	373.05	132.41	Shut-In(1)
65	1425.46	128.21	End Shut-In(1)
66	386.55	128.45	Open To Flow (2)
113	1225.66	136.38	Shut-In(2)
202	1422.91	133.54	End Shut-In(2)
204	2274.41	130.44	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2418.00	mcsw 5% m 95% sw	33.92
310.00	m 100% m	4.35

## 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: 0 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity: 13000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl	
Water Loss: 13.57 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2418.00	mcsw 5% m 95% sw	33.918
310.00	m 100% m	4.348

Total Length: 2728.00 ft      Total Volume: 38.266 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: RW= .44@97.3\*=13,000 ppm

