



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Berexco LLC  
2020 N. Bramblewood  
Wichita Ks 67206  
ATTN:

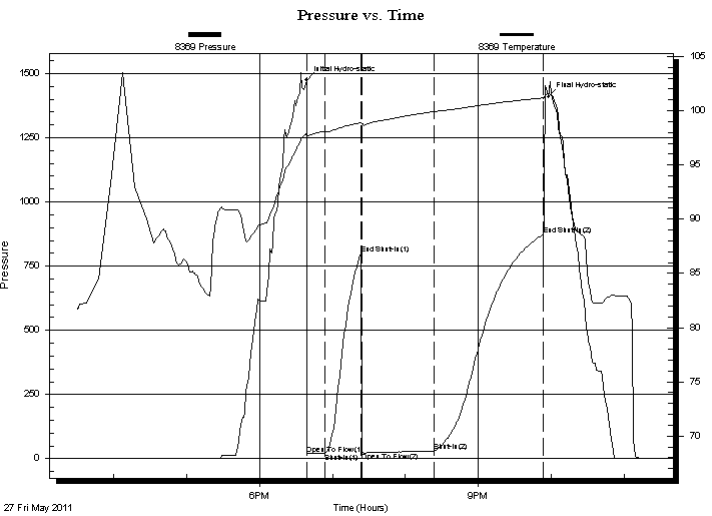
**Morgan Z1**  
**22-16-12w, Barton, Ks**  
Job Ticket: 42748 **DST#: 1**  
Test Start: 2011.05.27 @ 15:30:12

## GENERAL INFORMATION:

Formation: **Douglas, KC "A"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:39:12  
 Time Test Ended: 23:16:42  
 Interval: **3023.00 ft (KB) To 3115.00 ft (KB) (TVD)**  
 Total Depth: 3115.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Brett Dickinson  
 Unit No: 47  
 Reference Elevations: 1927.00 ft (KB)  
 1919.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 8369 Outside**  
 Press @ Run Depth: 28.87 psig @ 3028.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.05.27 End Date: 2011.05.27 Last Calib.: 2011.05.27  
 Start Time: 15:30:17 End Time: 23:16:41 Time On Btm: 2011.05.27 @ 18:38:42  
 Time Off Btm: 2011.05.27 @ 21:57:42

TEST COMMENT: IF-3/4in blow  
 IS- No blow  
 FF-1/2in blow  
 FS- No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1474.36	97.96	Initial Hydro-static
1	19.03	97.61	Open To Flow (1)
15	21.20	98.05	Shut-In(1)
45	798.84	98.90	End Shut-In(1)
46	23.69	98.76	Open To Flow (2)
105	28.87	99.90	Shut-In(2)
195	872.87	101.18	End Shut-In(2)
199	1408.80	101.56	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	V/SOCM 2%O 98%M	0.28

## 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: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
20.00	VSOCM 2%O 98%M	0.281

Total Length: 20.00 ft      Total Volume: 0.281 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

