



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC  
2020 N Bramblewood  
Wichita Ks 67206-1094  
ATTN: Dana Wreath

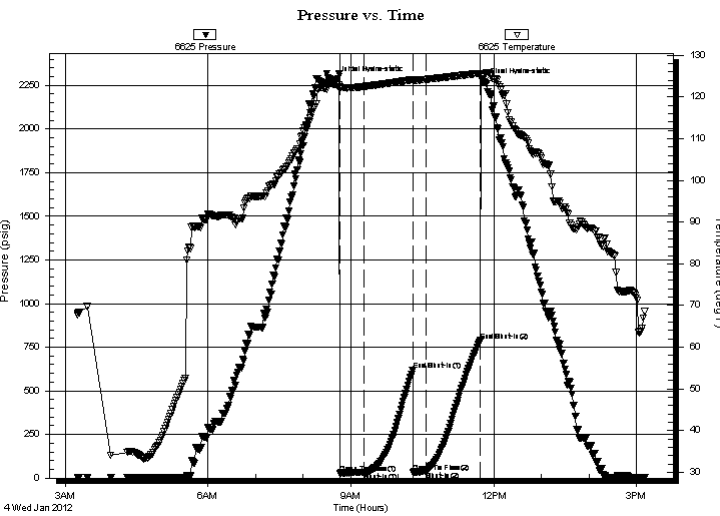
**21-22s-23w Hodgeman**  
**Spahr #1**  
Job Ticket: 46020      **DST#: 1**  
Test Start: 2012.01.04 @ 03:15:30

## GENERAL INFORMATION:

Formation: **Miss**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 08:45:55  
Time Test Ended: 15:11:25  
Interval: **4630.00 ft (KB) To 4673.00 ft (KB) (TVD)**  
Total Depth: 4673.00 ft (KB) (TVD)  
Hole Diameter: 7.85 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Ray Schwager  
Unit No: 42  
Reference Elevations: 2389.00 ft (KB)  
2374.00 ft (CF)  
KB to GR/CF: 15.00 ft

**Serial #: 6625 Inside**  
Press @ Run Depth: 40.21 psig @ 4637.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2012.01.04 End Date: 2012.01.04 Last Calib.: 2012.01.04  
Start Time: 03:15:30 End Time: 15:11:25 Time On Btm: 2012.01.04 @ 08:39:54  
Time Off Btm: 2012.01.04 @ 11:46:54

TEST COMMENT: 30-IFP-w k bl died in 20min  
60-ISIP-no bl  
15-FFP-no bl  
60-FSIP-no bl



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2277.85	122.99	Initial Hydro-static
7	28.88	122.08	Open To Flow (1)
37	33.78	122.51	Shut-In(1)
98	618.08	124.13	End Shut-In(1)
99	34.81	123.97	Open To Flow (2)
115	40.21	124.20	Shut-In(2)
184	787.47	125.68	End Shut-In(2)
187	2268.37	124.81	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	HOCM 20% O80%M	0.15

## 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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.96 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
30.00	HOCM 20% O 80% M	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

Serial #: 6625

Inside

Berexco LLC

Spahr #1

DST Test Number: 1

