



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Berexco, LLC  
 PO Box 20380 Wichita  
 Ks 67208  
 ATTN: Bryan Bynog

**Benson #9**  
**15-9s-21wGrahamKs**  
 Job Ticket: 40343 **DST#: 1**  
 Test Start: 2010.09.06 @ 22:20:38

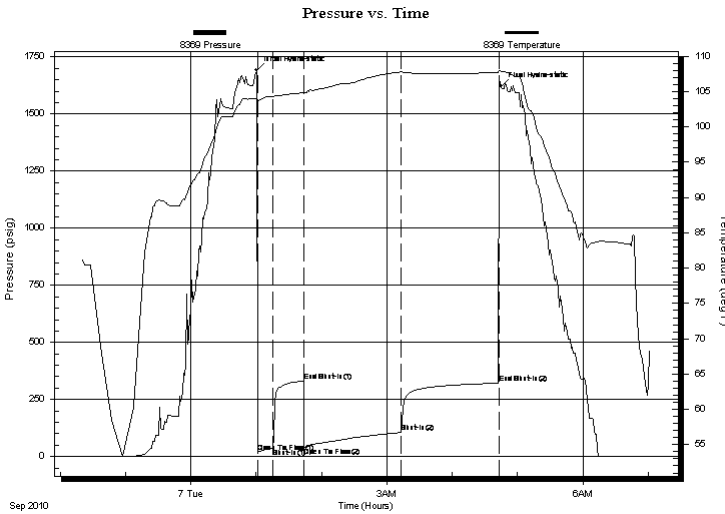
## GENERAL INFORMATION:

Formation: **KC"C"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:01:08  
 Time Test Ended: 07:01:38  
 Interval: **3408.00 ft (KB) To 3440.00 ft (KB) (TVD)**  
 Total Depth: 3440.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition:  
 Test Type: Conventional Bottom Hole  
 Tester: Brett Dickinson  
 Unit No: 47  
 Reference Elevations: 2247.00 ft (KB)  
 2237.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8369 Outside**  
 Press @ Run Depth: 105.89 psig @ 3409.02 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2010.09.06 End Date: 2010.09.07 Last Calib.: 2010.09.07  
 Start Time: 22:20:43 End Time: 07:01:38 Time On Btm: 2010.09.07 @ 01:00:08  
 Time Off Btm: 2010.09.07 @ 04:45:08

**TEST COMMENT:** IF-1in blow  
 IS-No blow  
 FF-very weak surface blow  
 FSI-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1691.04	104.09	Initial Hydro-static
1	19.88	103.70	Open To Flow (1)
15	37.12	104.31	Shut-In(1)
44	331.23	104.86	End Shut-In(1)
44	40.85	104.74	Open To Flow (2)
133	105.89	107.81	Shut-In(2)
223	322.28	107.71	End Shut-In(2)
225	1621.33	107.89	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Oilspotted SWCM 15%W 85%M	0.42
60.00	WCM 40%W 60%M	0.84
120.00	MCW 10%M 90%W	1.68

## 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: 70000 ppm	
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Oilspotted SWCM 15%W 85%M	0.421
60.00	WCM 40%W 60%M	0.842
120.00	MCW 10%M 90%W	1.683

Total Length: 210.00 ft      Total Volume: 2.946 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

