



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Caerus Kansas LLC
Po Dox 1378
Hays Ks 67691 + 3974
ATTN: Brian Karlin

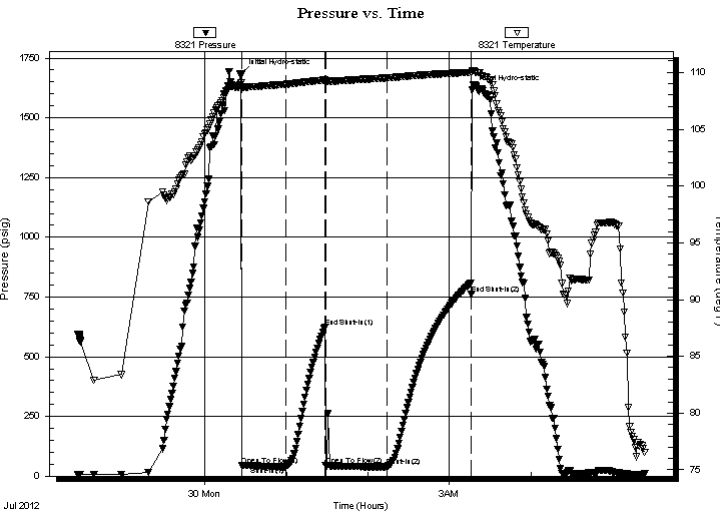
18-17s-13w
Hoffman 18-34
Job Ticket: 49339 **DST#: 4**
Test Start: 2012.07.29 @ 22:26:17

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:27:17
Time Test Ended: 05:24:47
Interval: **3391.00 ft (KB) To 3441.00 ft (KB) (TVD)**
Total Depth: 3441.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Jeff Brown
Unit No: 44
Reference Elevations: 1924.00 ft (KB)
1911.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8321 Inside
Press @ Run Depth: 39.14 psig @ 3428.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.07.29 End Date: 2012.07.30 Last Calib.: 2012.07.30
Start Time: 22:26:18 End Time: 05:23:47 Time On Btm: 2012.07.30 @ 00:26:47
Time Off Btm: 2012.07.30 @ 03:16:47

TEST COMMENT: IFP=Weak surface blow back died out in 18 min
ISI=Dead no blow back
FFP=Dead no blow Flushed tool dead
FSI=Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1683.23	109.05	Initial Hydro-static
1	44.58	108.63	Open To Flow (1)
33	39.98	108.94	Shut-In(1)
62	625.08	109.33	End Shut-In(1)
62	43.81	109.08	Open To Flow (2)
107	39.14	109.51	Shut-In(2)
170	761.93	109.98	End Shut-In(2)
170	1616.74	110.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	V SOCM 2%O 98%M	0.07

* Recovery from multiple tests

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: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	VSOCM 2%O 98%M	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

