



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Castelli Exploration
6908 NW 112th
Oklahoma City, OK 73112
ATTN: Rick Pope

25-33S-16W Comanche
Charlie Brown 1-25
Job Ticket: 52329 **DST#: 4**
Test Start: 2013.06.22 @ 00:51:46

GENERAL INFORMATION:

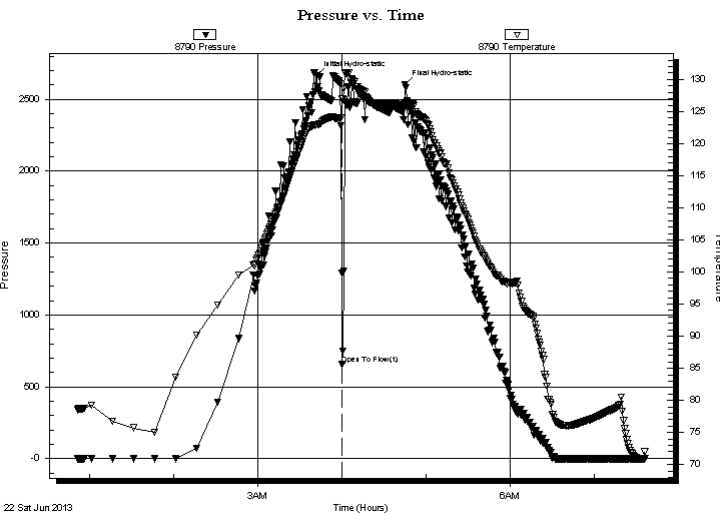
Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:00:31
Time Test Ended: 07:36:01
Interval: **5090.00 ft (KB) To 5140.00 ft (KB) (TVD)**
Total Depth: 5600.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Straddle (Reset)
Tester: Ryan Reynolds
Unit No: 48
Reference Elevations: 1769.00 ft (KB)
1756.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8790

Inside

Press @ RunDepth: psig @ 5091.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.06.22 End Date: 2013.06.22 Last Calib.: 2013.06.22
Start Time: 00:51:51 End Time: 07:36:00 Time On Btm: 2013.06.22 @ 03:42:01
Time Off Btm: 2013.06.22 @ 04:45:01

TEST COMMENT: Packer Failure (attempted 3x's to seat)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2664.43	122.95	Initial Hydro-static
19	656.56	126.98	Open To Flow (1)
63	2604.56	126.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
650.00	Drig mud 100% mud	7.45

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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Job Ticket: 52329 **DST#: 4**

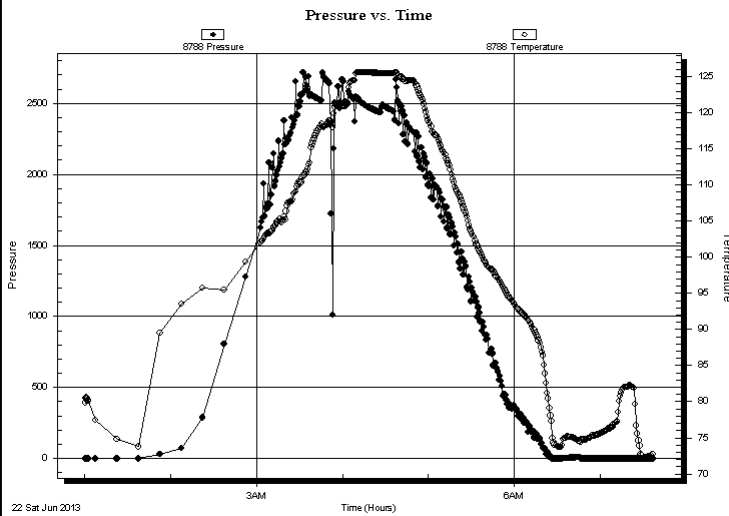
Test Start: 2013.06.22 @ 00:51:46

GENERAL INFORMATION:

Formation: Mississippi			
Deviated: No	Whipstock: ft (KB)	Test Type: Conventional Straddle (Reset)	
Time Tool Opened: 04:00:31		Tester: Ryan Reynolds	
Time Test Ended: 07:36:01		Unit No: 48	
Interval: 5090.00 ft (KB) To 5140.00 ft (KB) (TVD)		Reference Elevations: 1769.00 ft (KB)	
Total Depth: 5600.00 ft (KB) (TVD)		1756.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 13.00 ft	

Serial #: 8788	Below (Straddle)				
Press @ Run Depth: psig @ 5142.00 ft (KB)		Capacity: 8000.00 psig			
Start Date: 2013.06.22	End Date: 2013.06.22	Last Calib.: 2013.06.22			
Start Time: 01:00:34	End Time: 07:36:58	Time On Btm:			
		Time Off Btm:			

TEST COMMENT: Packer Failure (attempted 3x's to seat)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
650.00	Drig mud 100%mud	7.45

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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FLUID SUMMARY

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6908 NW 112th
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Job Ticket: 52329 **DST#: 4**
Test Start: 2013.06.22 @ 00:51:46

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	6000 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
650.00	Drig mud 100%mud	7.451

Total Length: 650.00 ft Total Volume: 7.451 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:

