



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

DNOC
PO Box 1019
Hays, KS 67601
ATTN: Marc Downing

Franz Trust 1-19
19-20-20 Pawnee KS
Job Ticket: 41794 **DST#: 2**
Test Start: 2011.03.06 @ 16:07:06

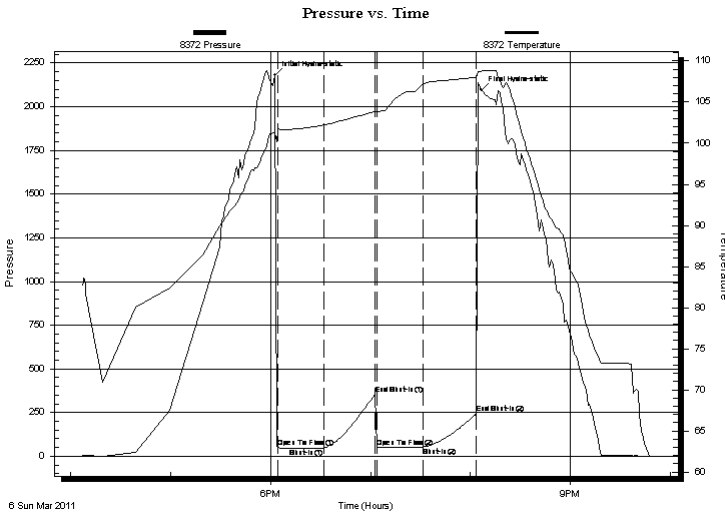
GENERAL INFORMATION:

Formation: **Miss (2)**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:04:05
Time Test Ended: 21:47:35
Interval: 4314.00 ft (KB) To 4368.00 ft (KB) (TVD)
Total Depth: 4368.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:
Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41
Reference Elevations: 2204.00 ft (KB)
2196.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8372 Inside
Press @ RunDepth: 53.07 psig @ 4323.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.03.06 End Date: 2011.03.06 Last Calib.: 2011.03.06
Start Time: 16:07:06 End Time: 21:47:35 Time On Btm: 2011.03.06 @ 18:02:35
Time Off Btm: 2011.03.06 @ 20:06:35

TEST COMMENT: IFP - 1/4" blow - died 24 min
ISI - no blow back
FFP - no blow
FSI - no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2180.02	101.27	Initial Hydro-static
2	50.51	101.52	Open To Flow (1)
30	47.89	102.23	Shut-In(1)
60	352.66	103.85	End Shut-In(1)
62	52.24	103.81	Open To Flow (2)
89	53.07	107.13	Shut-In(2)
121	246.27	108.04	End Shut-In(2)
124	2093.24	108.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%	0.05

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: 72.00 sec/qt	Cushion Volume: bbl		
Water Loss: 18.56 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 12000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

