



**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: 41793 **DST#: 1**
Test Start: 2011.03.06 @ 03:53:20

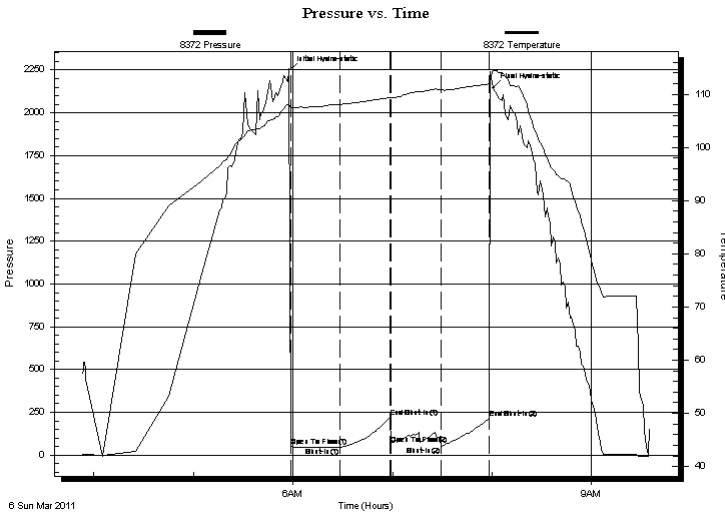
GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:58:49
Time Test Ended: 09:34:49
Interval: 4315.00 ft (KB) To 4363.00 ft (KB) (TVD)
Total Depth: 4363.00 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 @ Run Depth: 50.35 psig @ 4318.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.03.06 End Date: 2011.03.06 Last Calib.: 2011.03.06
Start Time: 03:53:20 End Time: 09:34:49 Time On Btm: 2011.03.06 @ 05:57:49
Time Off Btm: 2011.03.06 @ 08:00:49

TEST COMMENT: IFP - 1/4" blow - died 14 min
ISI - no blow back
FFP - no blow
FSI - no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2248.00	107.96	Initial Hydro-static
1	48.13	107.49	Open To Flow (1)
31	44.22	108.12	Shut-In(1)
61	220.72	109.37	End Shut-In(1)
61	60.83	109.31	Open To Flow (2)
92	50.35	110.84	Shut-In(2)
121	214.23	111.93	End Shut-In(2)
123	2144.95	114.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%	0.02

Gas Rates

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



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FLUID SUMMARY

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DST#: 1

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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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

