



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

DNOC

Riedel Family A 1-26

PO Box 372
Hays, Ks
67601
ATTN: Marc Downing

26-13-21/Trego

Job Ticket: 41781

DST#: 2

Test Start: 2011.02.16 @ 08:00:33

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:04:02

Time Test Ended: 14:10:02

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3969.00 ft (KB) To 4025.00 ft (KB) (TVD)

Reference Elevations: 2342.00 ft (KB)

Total Depth: 4025.00 ft (KB) (TVD)

2334.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8372 Inside

Press @ Run Depth: 53.20 psig @ 3974.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.02.16

End Date:

2011.02.16

Last Calib.:

2011.02.16

Start Time: 08:00:33

End Time:

14:10:02

Time On Btm:

2011.02.16 @ 10:03:02

Time Off Btm:

2011.02.16 @ 12:38:32

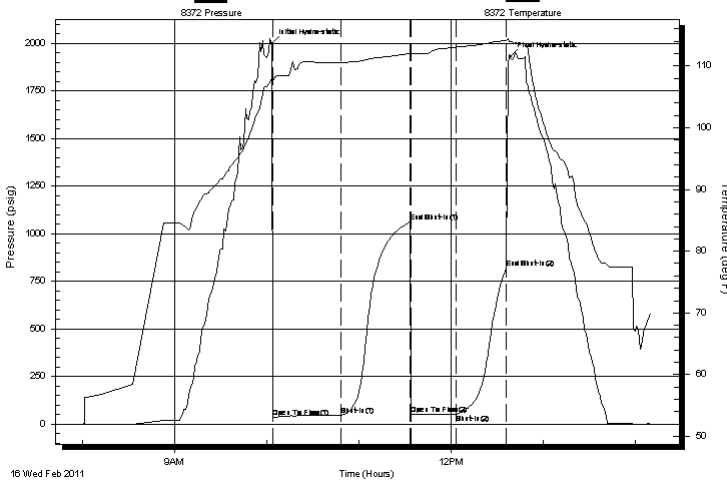
TEST COMMENT: IFP - weak blow throughout 1/4" - 1 1/2"

ISI - no blow back

FFP - weak blow throughout sur - 3/4"

FSI - no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1999.19	108.03	Initial Hydro-static
1	37.88	107.46	Open To Flow (1)
45	47.55	110.56	Shut-In(1)
90	1062.24	112.02	End Shut-In(1)
91	52.48	111.95	Open To Flow (2)
121	53.20	113.08	Shut-In(2)
153	818.52	114.19	End Shut-In(2)
156	1928.27	113.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
21.00	OCM 10%O, 90%M	0.10
21.00	MCO 50%O, 50%M	0.19
3.00	FREE OIL 95%O, 5%M	0.04
0.00	35' GIP	0.00

Gas Rates

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



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FLUID SUMMARY

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ATTN: Marc Downing

Test Start: 2011.02.16 @ 08:00:33

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

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 bbbl
21.00	OCM 10%O, 90%M	0.103
21.00	MCO 50%O, 50%M	0.194
3.00	FREE OIL 95%O, 5%M	0.042
0.00	35' GIP	0.000

Total Length: 45.00 ft

Total Volume: 0.339 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

