



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Downing Nelson Oil Co Inc

Showalter-Vandenburg Unit 1-17

PO Box 1019
Hays, Ks
67601
ATTN: Marc Downing

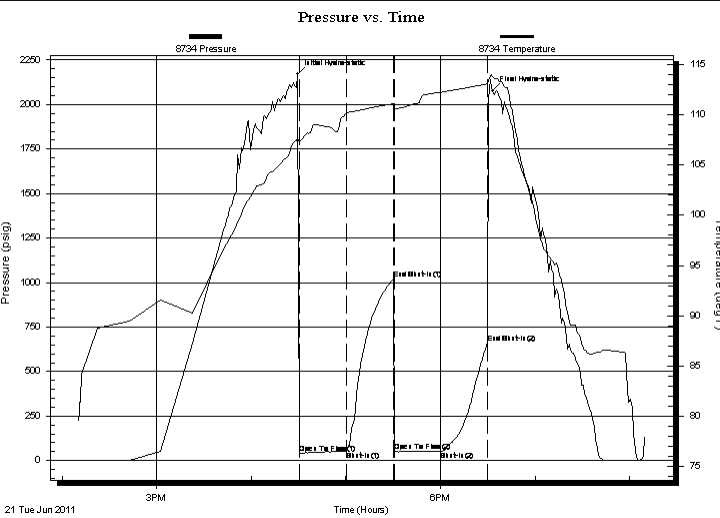
17-20-20 Pawnee, Ks
Job Ticket: 43411 **DST#: 1**
Test Start: 2011.06.21 @ 14:10:31

GENERAL INFORMATION:

Formation: **miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:30:31
 Time Test Ended: 20:10:01
 Interval: **4295.00 ft (KB) To 4352.00 ft (KB) (TVD)**
 Total Depth: 4352.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Brian Fairbank
 Unit No: 41
 Reference Elevations: 2228.00 ft (KB)
 2221.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8734 Outside
 Press @ Run Depth: 52.25 psig @ 4302.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.06.21 End Date: 2011.06.21 Last Calib.: 2011.06.21
 Start Time: 14:10:32 End Time: 20:10:01 Time On Btm: 2011.06.21 @ 16:29:31
 Time Off Btm: 2011.06.21 @ 18:33:01

TEST COMMENT: IFP - 1/2" dying blow throughout
 ISI - no blow back
 FFP - no blow 4 min - sur blow throughout
 FSI - no blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2169.39	107.61	Initial Hydro-static
1	39.59	107.24	Open To Flow (1)
31	50.53	110.19	Shut-In(1)
61	1021.55	111.07	End Shut-In(1)
62	49.67	110.62	Open To Flow (2)
91	52.25	112.20	Shut-In(2)
121	657.83	113.05	End Shut-In(2)
124	2077.87	113.72	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
43.00	SOCM 5%O, 95%M	0.32
2.00	HOCM 45%O, 55%M	0.03

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



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FLUID SUMMARY

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Job Ticket: 43411

DST#: 1

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Test Start: 2011.06.21 @ 14:10:31

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: 61.00 sec/qt

Cushion Volume: bbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
43.00	SOCM 5%O, 95%M	0.321
2.00	HOCM 45%O, 55%M	0.028

Total Length: 45.00 ft Total Volume: 0.349 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

