

DRILL STEM TEST REPORT

Prepared For: **Downing Nelson**

PO Box 372
Hays KS 667601

ATTN: Ron Nelson

22 14S 16W Ellis KS

Dreiling #11

Start Date: 2007.01.27 @ 22:25:31

End Date: 2007.01.28 @ 06:55:31

Job Ticket #: 27606 DST #: 1

15-051-25607

SE SE NW

2310 FNL 2090 FWL

Trilobite Testing, Inc

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TESTING, INC.

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Job Ticket: 27606

DST#: 1

Test Start: 2007.01.27 @ 22:25:31

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:52:16

Time Test Ended: 06:55:31

Test Type: Conventional Straddle

Tester: Jason McLemore

Unit No: 32

Interval: **3340.00 ft (KB) To 3414.00 ft (KB) (TVD)**

Reference Elevations: 1891.00 ft (KB)

Total Depth: 3498.00 ft (KB) (TVD)

1886.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6719

Inside

Press@RunDepth: 95.16 psig @ 3342.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2007.01.27

End Date:

2007.01.28

Last Calib.: 2007.01.28

Start Time: 22:25:33

End Time:

06:55:31

Time On Btm: 2007.01.28 @ 00:52:01

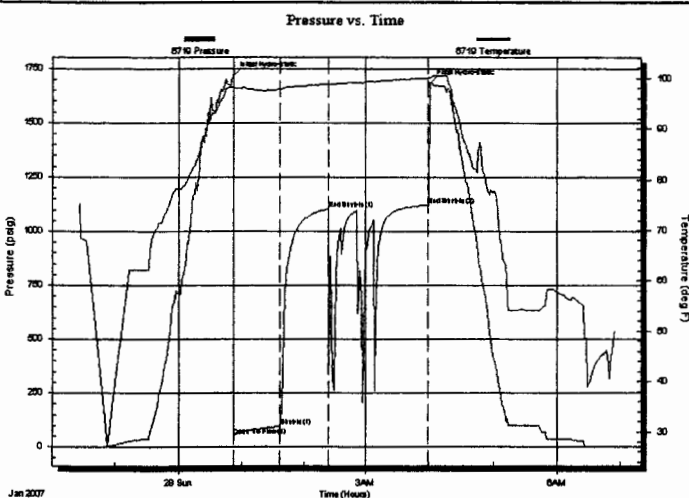
Time Off Btm: 2007.01.28 @ 04:00:31

TEST COMMENT: IFP Good Blow BOB in 33 Min

ISI Dead

FFP Weak Blow Built to 3 "

FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1717.94	98.27	Initial Hydro-static
1	52.42	97.97	Open To Flow (1)
46	95.16	97.88	Shut-In (1)
92	1103.78	98.83	End Shut-In (1)
188	1121.97	100.02	End Shut-In (2)
189	1681.46	100.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	HOCM 35%O 65%M	1.38

Gas Rates

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

Downing Nelson

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Tool Information

Drill Pipe:	Length: 3289.00 ft	Diameter: 3.80 inches	Volume: 46.14 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 64.00 ft	Diameter: 2.70 inches	Volume: 0.45 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 46.59 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3340.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	3414.00 ft			
Interval between Packers:	74.00 ft			
Tool Length:	179.00 ft			
Number of Packers:	2	Diameter:	6.75 inches	
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3320.00	
Shut In Tool	5.00			3325.00	
Hydraulic tool	5.00			3330.00	
Packer	5.00			3335.00	21.00 Bottom Of Top Packer
Packer	5.00			3340.00	
Stubb	1.00			3341.00	
Perforations	1.00			3342.00	
Recorder	0.00	6719	Inside	3342.00	
Change Over Sub	1.00			3343.00	
Blank Spacing	61.00			3404.00	
Change Over Sub	1.00			3405.00	
Perforations	5.00			3410.00	
Blank Off Sub	1.00			3411.00	
Blank Spacing	3.00			3414.00	74.00 Tool Interval
Packer	1.00			3415.00	
Stubb	1.00			3416.00	
Perforations	14.00			3430.00	
Change Over Sub	1.00			3431.00	
Recorder	0.00	13221	Below	3431.00	
Blank Spacing	63.00			3494.00	
Change Over Sub	1.00			3495.00	
Bullnose	3.00			3498.00	84.00 Bottom Packers & Anchor
Total Tool Length:		179.00			



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FLUID SUMMARY

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Job Ticket: 27606

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 14000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	HOCM 35%O 65%M	1.379

Total Length: 130.00 ft

Total Volume: 1.379 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

