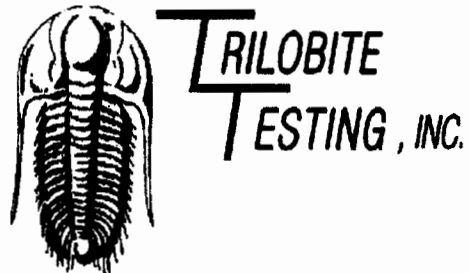


15-051-25785



DRILL STEM TEST REPORT

Prepared For: **Downing-Nelson Oil Co Inc**

PO Box 372
Hays KS 67601+0372

ATTN: Ron Nelson

15 14S 16W Ellis KS

Witt # 2-15

Start Date: 2008.06.19 @ 01:35:47

End Date: 2008.06.19 @ 08:50:17

Job Ticket #: 31111 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Downing-Nelson Oil Co Inc

PO Box 372
Hays KS 67601+0372

ATTN: Ron Nelson

Witt # 2-15

15 14S 16W Ellis KS

Job Ticket: 31111

DST#: 1

Test Start: 2008.06.19 @ 01:35:47

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:24:47

Time Test Ended: 08:50:17

Test Type: Conventional Straddle

Tester: John Schmidt

Unit No: 31

Interval: 3372.00 ft (KB) To 3430.00 ft (KB) (TVD)

Total Depth: 3512.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1908.00 ft (KB)

1900.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8369 Inside

Press@RunDepth: 87.97 psig @ 3375.00 ft (KB)

Start Date: 2008.06.19

End Date:

2008.06.19

Start Time: 01:35:52

End Time:

08:50:16

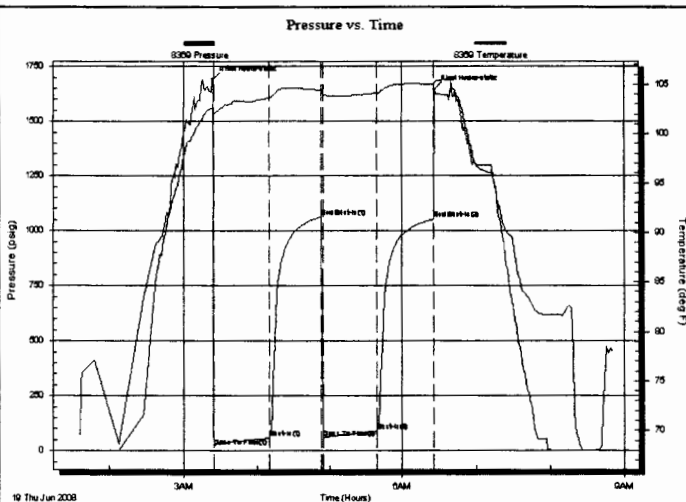
Capacity: 7000.00 psig

Last Calib.: 2008.06.19

Time On Btm: 2008.06.19 @ 03:23:47

Time Off Btm: 2008.06.19 @ 06:26:17

TEST COMMENT: IF Weak to Strong BOB in 44 min.
ISI Dead
FF Weak to Strong BOB in 44 min.
FSI Dead



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1689.88	102.58	Initial Hydro-static
1	20.59	102.02	Open To Flow (1)
46	58.60	103.63	Shut-In (1)
90	1063.48	104.41	End Shut-In (1)
91	59.03	103.99	Open To Flow (2)
136	87.97	104.11	Shut-In (2)
182	1051.86	105.01	End Shut-In (2)
183	1643.29	105.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
165.00	MCO 40%M 60%O	2.04
10.00	Clean Oil	0.14

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing-Nelson Oil Co Inc

Witt # 2-15

PO Box 372
Hays KS 67601+0372

15 14S 16W Ellis KS

Job Ticket: 31111

DST#: 1

ATTN: Ron Nelson

Test Start: 2008.06.19 @ 01:35:47

Tool Information

Drill Pipe:	Length:	3354.00 ft	Diameter:	3.80 inches	Volume:	47.05 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.76 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:	60000.00 lb
					Total Volume:	47.20 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft							
Depth to Top Packer:	3372.00 ft							
Depth to Bottom Packer:	3430.00 ft							
Interval between Packers:	58.00 ft							
Tool Length:	160.00 ft							
Number of Packers:	3	Diameter:	6.75 inches					
Tool Comments:								

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3353.00	
Shut In Tool	5.00			3358.00	
Hydraulic tool	5.00			3363.00	
Packer	4.00			3367.00	20.00 Bottom Of Top Packer
Packer	5.00			3372.00	
Stubb	1.00			3373.00	
Perforations	1.00			3374.00	
Change Over Sub	1.00			3375.00	
Recorder	0.00	8369	Inside	3375.00	
Blank Spacing	31.00			3406.00	
Change Over Sub	1.00			3407.00	
Perforations	22.00			3429.00	
Recorder	0.00	13308	Outside	3429.00	
Blank Off Sub	1.00			3430.00	58.00 Tool Interval
Packer	0.00			3430.00	
Stubb	1.00			3431.00	
Perforations	7.00			3438.00	
Change Over Sub	1.00			3439.00	
Recorder	0.00	6669	Below	3439.00	
Blank Spacing	64.00			3503.00	
Change Over Sub	1.00			3504.00	
Perforations	5.00			3509.00	
Bullnose	3.00			3512.00	82.00 Bottom Packers & Anchor
Total Tool Length:		160.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co Inc

Witt # 2-15

PO Box 372
Hays KS 67601+0372

15 14S 16W Ellis KS

Job Ticket: 31111

DST#: 1

ATTN: Ron Nelson

Test Start: 2008.06.19 @ 01:35:47

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
165.00	MCO 40%M 60%O	2.041
10.00	Clean Oil	0.140

Total Length: 175.00 ft

Total Volume: 2.181 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8369

Inside

Dowling-Nelson Oil Co Inc

15 14S 16W Ellis KS

DST Test Number: 1

