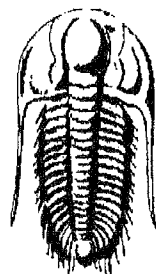


15-051-25872

25-13s-19w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Downing-Nelson Oil CO.**

PO Box 372
Hays, Ks 67601

ATTN: Al Downing

25-13s-19w Ellis KS **RECEIVED**

CBF #1-25

Start Date: 2009.07.05 @ 20:53:19

End Date: 2009.07.06 @ 02:46:49

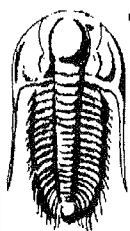
Job Ticket #: 36340

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.

PO Box 372
Hays, Ks 67601

ATTN: Al Downing

CBF #1-25

25-13s-19w Ellis KS

Job Ticket: 36340

DST#: 1

Test Start: 2009.07.05 @ 20:53:19

GENERAL INFORMATION:

Formation: **Conglomerate**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:16:49

Time Test Ended: 02:46:49

Test Type: Conventional Straddle

Tester: Tyson Flax

Unit No: 44

Interval: **3640.00 ft (KB) To 3682.00 ft (KB) (TVD)**

Reference Elevations: 2045.00 ft (KB)

Total Depth: 3738.00 ft (KB) (TVD)

2037.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6719 Inside

Press@RunDepth: 21.03 psig @ 3644.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2009.07.05

End Date:

2009.07.06

Last Calib.: 2009.07.06

Start Time: 20:53:24

End Time:

02:46:48

Time On Btm: 2009.07.05 @ 23:16:19

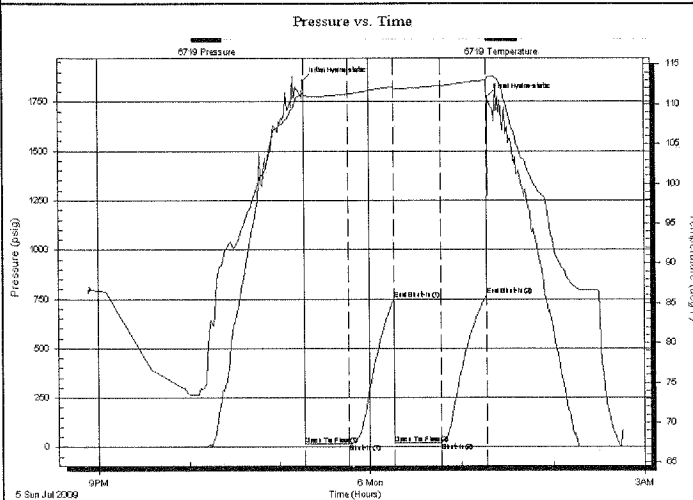
Time Off Btm: 2009.07.06 @ 01:17:18

TEST COMMENT: IFP-Weak surface blow died in 23 min

ISI-no blow back

FFP-no blow

FSI-no blow back



PRESSURE SUMMARY

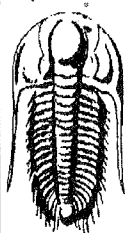
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1855.07	111.34	Initial Hydro-static
1	13.80	111.09	Open To Flow (1)
30	17.73	111.26	Shut-In(1)
60	746.39	112.16	End Shut-In(1)
60	17.93	111.94	Open To Flow(2)
91	21.03	112.27	Shut-In(2)
121	767.76	112.97	End Shut-In(2)
121	1772.76	113.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud	0.01

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.

CBF #1-25

PO Box 372
Hays, Ks 67601

25-13s-19w Ellis KS

Job Ticket: 36340

DST#: 1

ATTN: Al Downing

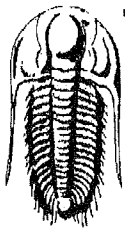
Test Start: 2009.07.05 @ 20:53:19

Tool Information

Drill Pipe:	Length: 3610.00 ft	Diameter: 3.82 inches	Volume: 51.17 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 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:	51.32 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3640.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	3682.00 ft				
Interval between Packers:	42.00 ft				
Tool Length:	123.00 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			3620.00	
Shut In Tool	5.00			3625.00	
Hydraulic tool	5.00			3630.00	
Packer	5.00			3635.00	21.00 Bottom Of Top Packer
Packer	5.00			3640.00	
Stubb	1.00			3641.00	
Perforations	2.00			3643.00	
Change Over Sub	1.00			3644.00	
Recorder	0.00	6719	Inside	3644.00	
Blank Spacing	31.00			3675.00	
Change Over Sub	1.00			3676.00	
Recorder	0.00	13401	Inside	3676.00	
Perforations	5.00			3681.00	
Blank Off Sub	1.00			3682.00	42.00 Tool Interval
Packer	5.00			3687.00	
Perforations	18.00			3705.00	
Change Over Sub	1.00			3706.00	
Recorder	0.00	6669	Outside	3706.00	
Blank Spacing	32.00			3738.00	
Change Over Sub	1.00			3739.00	
Bullnose	3.00			3742.00	60.00 Bottom Packers & Anchor
Total Tool Length:		123.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil CO.

CBF #1-25

PO Box 372
Hays, Ks 67601

25-13s-19w Ellis KS

Job Ticket: 36340

DST#: 1

ATTN: Al Downing

Test Start: 2009.07.05 @ 20:53:19

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 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 bbl
3.00	mud	0.015

Total Length:

3.00 ft

Total Volume:

0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

