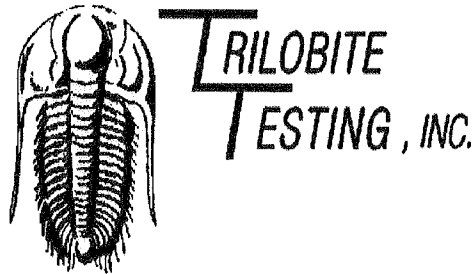


15-145-21602

29-20s-20w

Sub



DRILL STEM TEST REPORT

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

PO Box 372
Hays, Ks 67601

ATTN: Marc Downing

29-20s-20w/Pawnee

McCoy-Pelton Unit #1-29

Start Date: 2010.03.13 @ 16:46:55

End Date: 2010.03.14 @ 00:49:25

Job Ticket #: 37221 DST #: 1

RECEIVED

MAY 24 2010

KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Downing-Nelson Oil CO.

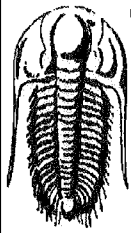
McCoy-Pelton Unit #1-29

29-20s-20w/Pawnee

DST # 1

Miss

2010.03.13



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dowling-Nelson Oil CO.

McCoy-Pelton Unit #1-29

PO Box 372
Hays, Ks 67601

29-20s-20w/Pawnee

Job Ticket: 37221

DST#: 1

ATTN: Marc Dowling

Test Start: 2010.03.13 @ 16:46:55

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:08:55

Time Test Ended: 00:49:25

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Interval: **4267.00 ft (KB) To 4301.00 ft (KB) (TVD)**

Total Depth: 4301.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2159.00 ft (KB)

2152.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6668 Inside

Press@RunDepth: 467.11 psig @ 4275.00 ft (KB)

Start Date: 2010.03.13

End Date: 2010.03.14

Capacity: 8000.00 psig

Last Calib.: 2010.03.14

Start Time: 16:46:56

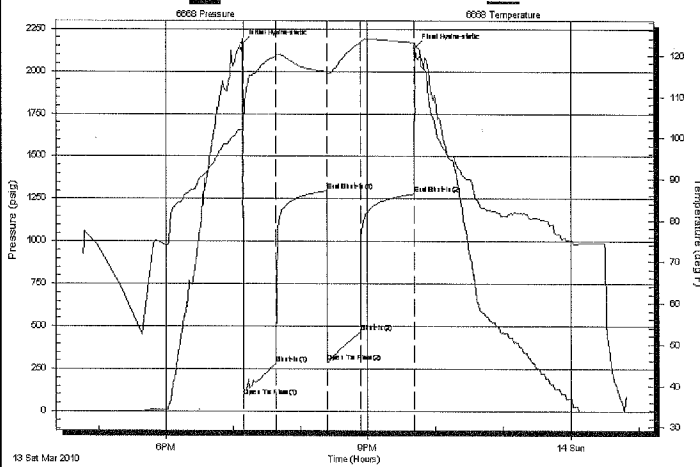
End Time: 00:49:25

Time On Btm: 2010.03.13 @ 19:07:55

Time Off Btm: 2010.03.13 @ 21:42:25

TEST COMMENT: IFP-BOB in 5 min
ISI-Weak surface blow back built to 2" died to 1.5"
FFP-BOB in 4.5 min
FSI-Weak blow back built to 2"

Pressure vs. Time



PRESSURE SUMMARY

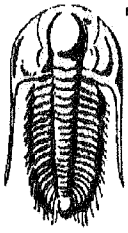
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2164.52	102.05	Initial Hydro-static
1	83.05	101.66	Open To Flow (1)
30	281.75	119.79	Shut-In(1)
76	1297.78	116.05	End Shut-In(1)
77	289.87	115.56	Open To Flow (2)
106	467.11	123.04	Shut-In(2)
154	1278.35	123.05	End Shut-In(2)
155	2138.46	123.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GMCO 15%G,75%O,10%M	1.42
1050.00	GCO 15%G,85%O	14.88
0.00	530'GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning-Nelson Oil CO.

McCoy-Pelton Unit #1-29

PO Box 372
Hays, Ks 67601

29-20s-20w/Pawnee

Job Ticket: 37221

DST#: 1

ATTN: Marc Dow ning

Test Start: 2010.03.13 @ 16:46:55

Tool Information

Drill Pipe:	Length: 4227.00 ft	Diameter: 3.82 inches	Volume: 59.92 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: 80000.00 lb
			<u>Total Volume: 60.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4267.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	34.00 ft			
Tool Length:	62.00 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			4240.00	
Shut In Tool	5.00			4245.00	
Hydraulic tool	5.00			4250.00	
Jars	5.00			4255.00	
Safety Joint	2.00			4257.00	
Packer	5.00			4262.00	28.00 Bottom Of Top Packer
Packer	5.00			4267.00	
Stubb	1.00			4268.00	
Perforations	7.00			4275.00	
Recorder	0.00	6668	Inside	4275.00	
Recorder	0.00	6669	Outside	4275.00	
Perforations	23.00			4298.00	
Bullnose	3.00			4301.00	34.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil CO.

McCoy-Pelton Unit #1-29

PO Box 372
Hays, Ks 67601

29-20s-20w/Pawnee

Job Ticket: 37221

DST#: 1

ATTN: Marc Dow ning

Test Start: 2010.03.13 @ 16:46:55

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.59 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6000.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GMCO 15%G,75%O,10%M	1.423
1050.00	GCO 15%G,85%O	14.884
0.00	530'GIP	0.000

Total Length: 1170.00 ft Total Volume: 16.307 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time

