

DRILL STEM TEST REPORT

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

Box 372
Hays KS 67601

ATTN: Ron Nelson

32 9 23 Graham KS

Mitchell-Davignon 1-32

Start Date: 2006.10.19 @ 23:11:58

End Date: 2006.10.20 @ 06:03:28

Job Ticket #: 25202 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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TESTING, INC.**

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ATTN: Ron Nelson

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Job Ticket: 25202

DST#: 1

Test Start: 2006.10.19 @ 23:11:58

GENERAL INFORMATION:

Formation: H-I-J LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:13:08

Time Test Ended: 06:03:28

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: 3877.00 ft (KB) To 3950.00 ft (KB) (TVD)

Total Depth: 3950.00 ft (KB) (TVD)

Hole Diameter: 7.88 inchesHole Condition: Good

Reference Elevations: ft (KB)

ft (CF)

KB to GR/CF: ft

Serial #: 6741 **Inside**

Press@RunDepth: 79.16 psig @ 3880.00 ft (KB)

Start Date: 2006.10.19

End Date:

2006.10.20

Start Time: 23:12:00

End Time:

06:03:28

Capacity: 7000.00 psig

Last Calib.: 2006.10.20

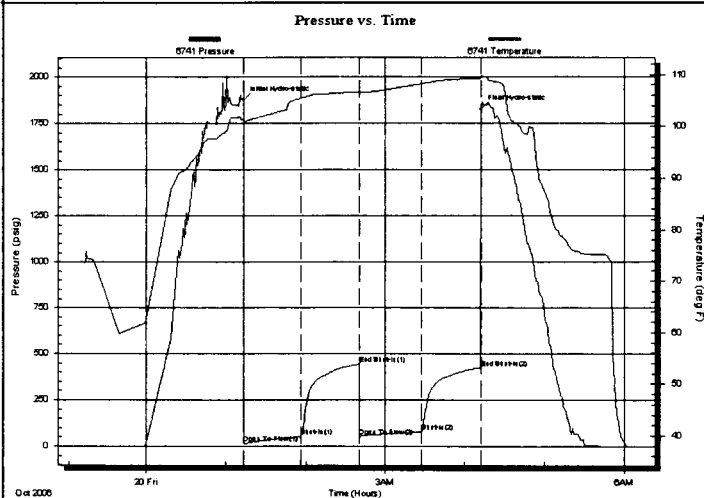
Time On Btm: 2006.10.20 @ 01:12:58

Time Off Btm: 2006.10.20 @ 04:12:13

TEST COMMENT: IF Weak building to 1 1/2 "

FF Weak building to 1/2 "

Times 45 45 45 45



PRESSURE SUMMARY

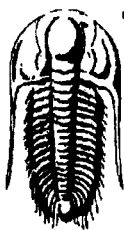
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1877.65	101.41	Initial Hydro-static
1	14.21	100.96	Open To Flow (1)
43	52.17	105.43	Shut-In(1)
87	441.44	106.69	End Shut-In(1)
88	52.22	106.59	Open To Flow(2)
135	79.16	108.24	Shut-In(2)
179	424.37	109.30	End Shut-In(2)
180	1827.41	109.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
145.00	OCM 40%O 60%M	2.03

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing-Nelson Oil Co

Mitchell-Davignon 1-32

Box 372
Hays KS 67601

32 9 23 Graham KS

Job Ticket: 25202

DST#: 1

ATTN: Ron Nelson

Test Start: 2006.10.19 @ 23:11:58

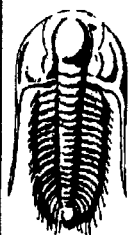
Tool Information

Drill Pipe:	Length: 3869.00 ft	Diameter: 3.80 inches	Volume: 54.27 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 54.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3877.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	73.00 ft			
Tool Length:	94.00 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			3857.00	
Shut In Tool	5.00			3862.00	
Hydraulic tool	5.00			3867.00	
Packer	5.00			3872.00	21.00 Bottom Of Top Packer
Packer	5.00			3877.00	
Stubb	1.00			3878.00	
Perforations	1.00			3879.00	
Change Over Sub	1.00			3880.00	
Recorder	0.00	6741	Inside	3880.00	
Drill Pipe	64.00			3944.00	
Change Over Sub	1.00			3945.00	
Perforations	2.00			3947.00	
Recorder	0.00	13254	Outside	3947.00	
Bullnose	3.00			3950.00	73.00 Bottom Packers & Anchor

Total Tool Length: 94.00



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FLUID SUMMARY

Downing-Nelson Oil Co

Mitchell-Davignon 1-32

Box 372
Hays KS 67601

32 9 23 Graham KS

Job Ticket: 25202

DST#: 1

ATTN: Ron Nelson

Test Start: 2006.10.19 @ 23:11:58

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: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
145.00	OCM 40%O 60%M	2.034

Total Length: 145.00 ft

Total Volume: 2.034 bbl

Num Fluid Samples: 0

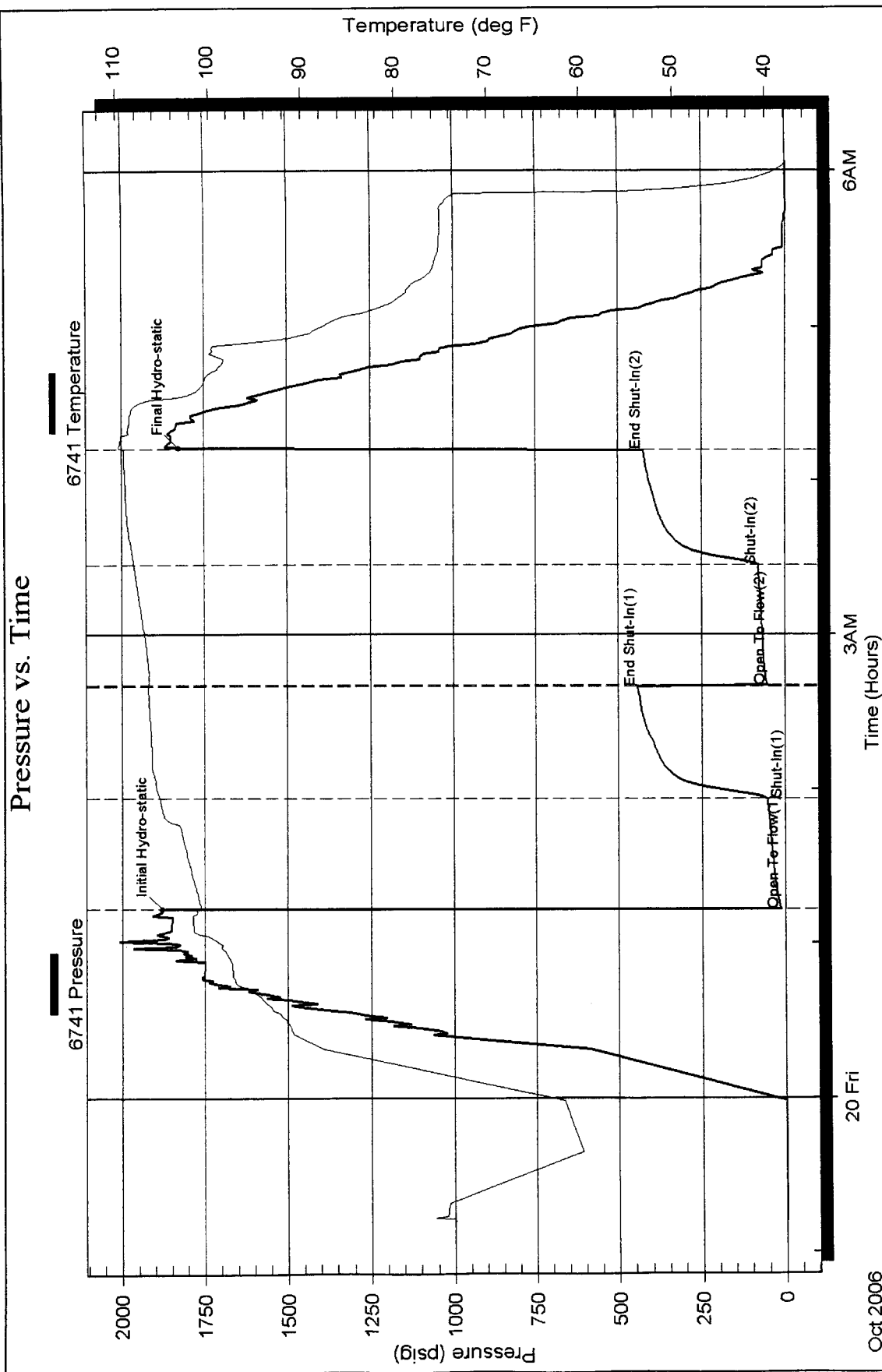
Num Gas Bombs: 0

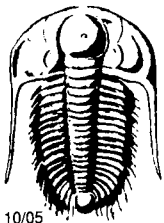
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9412

25202

Test Ticket

Well Name & No. <u>Mitchell-Davignon #1-32</u>	Test No. <u>1</u>	Date <u>10-19-06</u>
Company <u>DNOC</u>	Zone Tested <u>H-I-J</u> <u>LKC</u>	
Address <u>Box 372 Hays Ks. 67601</u>	Elevation _____	KB _____ GL _____
Co. Rep / Geo. <u>Ron Nelson</u>	Rig <u>A-A #1</u>	
Location: Sec. <u>32</u> Twp. <u>9</u> Rge. <u>2.3</u>	Co. <u>Graham</u>	State <u>Ks</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3877</u> ————— <u>3950</u>	Initial Str Wt./Lbs. <u>35,000</u>	Unseated Str Wt./Lbs. <u>35,000</u>
Anchor Length <u>7.3</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>40,000</u>
Top Packer Depth <u>3822</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>3877</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>3950</u>	Wt. Pipe Run _____	Drill Collar Run _____
Mud Wt. <u>8.8</u> LCM <u>1#</u> Vis. <u>61</u> WL <u>8.8</u>	Drill Pipe Size <u>4.5 X 14</u>	Ft. Run <u>3869</u>
Blow Description <u>I.F. Weak building to 1 1/2"</u>		

E.F. Weak-building to 1 1/2"

Recovery - Total Feet <u>145</u>	GIP _____	Ft. in DC _____	Ft. in DP <u>145</u>
Rec. <u>145</u>	Feet of <u>OCM</u>	%gas <u>40</u> %oil _____	%water <u>60</u> %mud _____
Rec. _____	Feet of _____	%gas _____%oil _____	%water _____%mud _____
Rec. _____	Feet of _____	%gas _____%oil _____	%water _____%mud _____
Rec. _____	Feet of _____	%gas _____%oil _____	%water _____%mud _____
Rec. _____	Feet of _____	%gas _____%oil _____	%water _____%mud _____
BHT <u>109</u>	*F Gravity _____	*API D @ _____	*F Corrected Gravity _____ *API _____
RW _____ @ _____	*F Chlorides _____	ppm Recovery _____	Chlorides <u>2000</u> ppm System _____

(A) Initial Hydrostatic Mud	AK-1 <u>1907</u> PSI	Alpine _____	Recorder No. <u>6741</u>	Test <u>1100</u>
(B) First Initial Flow Pressure	<u>14</u> PSI		(depth) <u>3880</u>	Jars _____
(C) First Final Flow Pressure	<u>52</u> PSI		Recorder No. <u>13254</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>441</u> PSI		(depth) <u>3947</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>52</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>79</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>424</u> PSI	Initial Opening <u>45</u>		Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1867</u> PSI	Initial Shut-In <u>45</u>		Shale Packer _____
		Final Flow <u>45</u>		Ruined Packer _____
		Final Shut-In <u>45</u>		Mileage <u>106 RT</u> <u>132.50</u>
		T-On Location <u>23:00</u>		Sub Total: _____
		T-Started <u>23:11</u>		Std. By: _____
		T-Open <u>01:12</u>		Acc. Chg: <u>1232.50</u>
		T-Pulled <u>04:12</u>		Other: _____
		T-Out <u>06:03</u>		Total: _____

Approved By _____

Our Representative Dan Bangle

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CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

