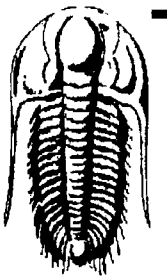


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

P O Box 372
Hays KS 67601

ATTN: Ron Nelson

14 13S 22W Trego KS

Jerry #1-14

Start Date: 2006.10.02 @ 05:40:59
End Date: 2006.10.02 @ 12:12:53
Job Ticket #: 26241 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

Downing-Nelson Oil Co Inc

P O Box 372
Hays KS 67601

ATTN: Ron Nelson

Jerry #1-14

14 13S 22W Trego KS

Job Ticket: 26241 **DST#: 1**

Test Start: 2006.10.02 @ 05:40:59

GENERAL INFORMATION:

Formation: **LKC**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:35:24
Time Test Ended: 12:12:53

Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 28

Interval: 3662.00 ft (KB) To 3721.00 ft (KB) (TVD)
Total Depth: 3721.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

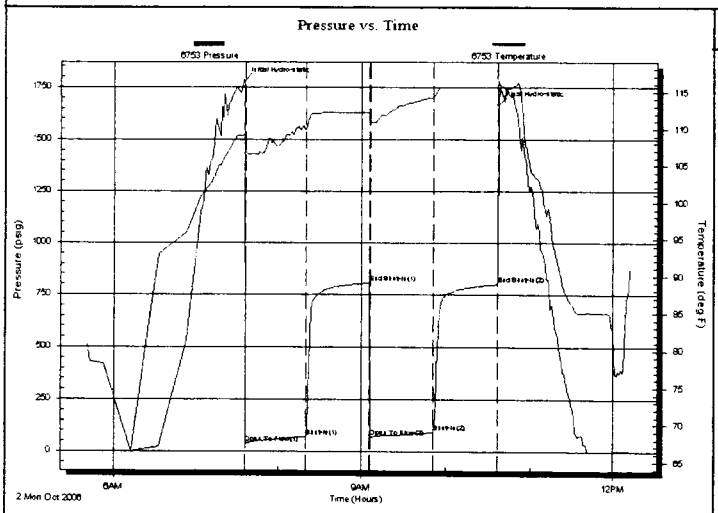
Reference Elevations: 2286.00 ft (KB)
2278.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6753 **Inside**

Press@RunDepth: 91.98 psig @ 3666.01 ft (KB)
Start Date: 2006.10.02 End Date: 2006.10.02
Start Time: 05:40:59 End Time: 12:12:53

Capacity: 7000.00 psig
Last Calib.: 2006.10.02
Time On Btm: 2006.10.02 @ 07:34:54
Time Off Btm: 2006.10.02 @ 10:37:23

TEST COMMENT: IFP Wk bl thru-out 1/4 " to 2 " bl
FFP Wk bl thru-out surface to 3/4 " bl
Times 45 45 45 45
No bl on shut-in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1780.45	109.20	Initial Hydro-static
1	36.37	106.82	Open To Flow (1)
45	71.12	109.97	Shut-In(1)
91	805.64	112.22	End Shut-In(1)
92	71.69	110.79	Open To Flow (2)
137	91.98	114.25	Shut-In(2)
182	799.39	115.63	End Shut-In(2)
183	1666.88	116.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	WCM 15%W 85%M	0.64
60.00	MW 30%M 70%W	0.84
0.00	w/show of Oil in tool	0.00

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing-Nelson Oil Co Inc

P O Box 372
Hays KS 67601

ATTN: Ron Nelson

Jerry #1-14

14 13S 22W Trego KS

Job Ticket: 26241 **DST#: 1**

Test Start: 2006.10.02 @ 05:40:59

Tool Information

Drill Pipe:	Length:	3636.00 ft	Diameter:	3.80 inches	Volume:	51.00 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	
					Total Volume:	51.15 bbl	

Drill Pipe Above KB:	25.00 ft
Depth to Top Packer:	3662.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	59.02 ft
Tool Length:	80.02 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2200.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	45000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	38000.00 lb
Final	38000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3642.00		
Shut In Tool	5.00			3647.00		
Hydraulic tool	5.00			3652.00		
Packer	5.00			3657.00	21.00	Bottom Of Top Packer
Packer	5.00			3662.00		
Stubb	1.00			3663.00		
Perforations	3.00			3666.00		
Recorder	0.01	6753	Inside	3666.01		
Blank Spacing	32.00			3698.01		
Recorder	0.01	13534	Outside	3698.02		
Perforations	20.00			3718.02		
Bullnose	3.00			3721.02	59.02	Bottom Packers & Anchor
Total Tool Length:	**80.02**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co Inc

P O Box 372
Hays KS 67601

ATTN: Ron Nelson

Jerry #1-14

14 13S 22W Trego KS

Job Ticket: 26241 **DST#: 1**

Test Start: 2006.10.02 @ 05:40:59

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:	36000 ppm
Viscosity:	63.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.77 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

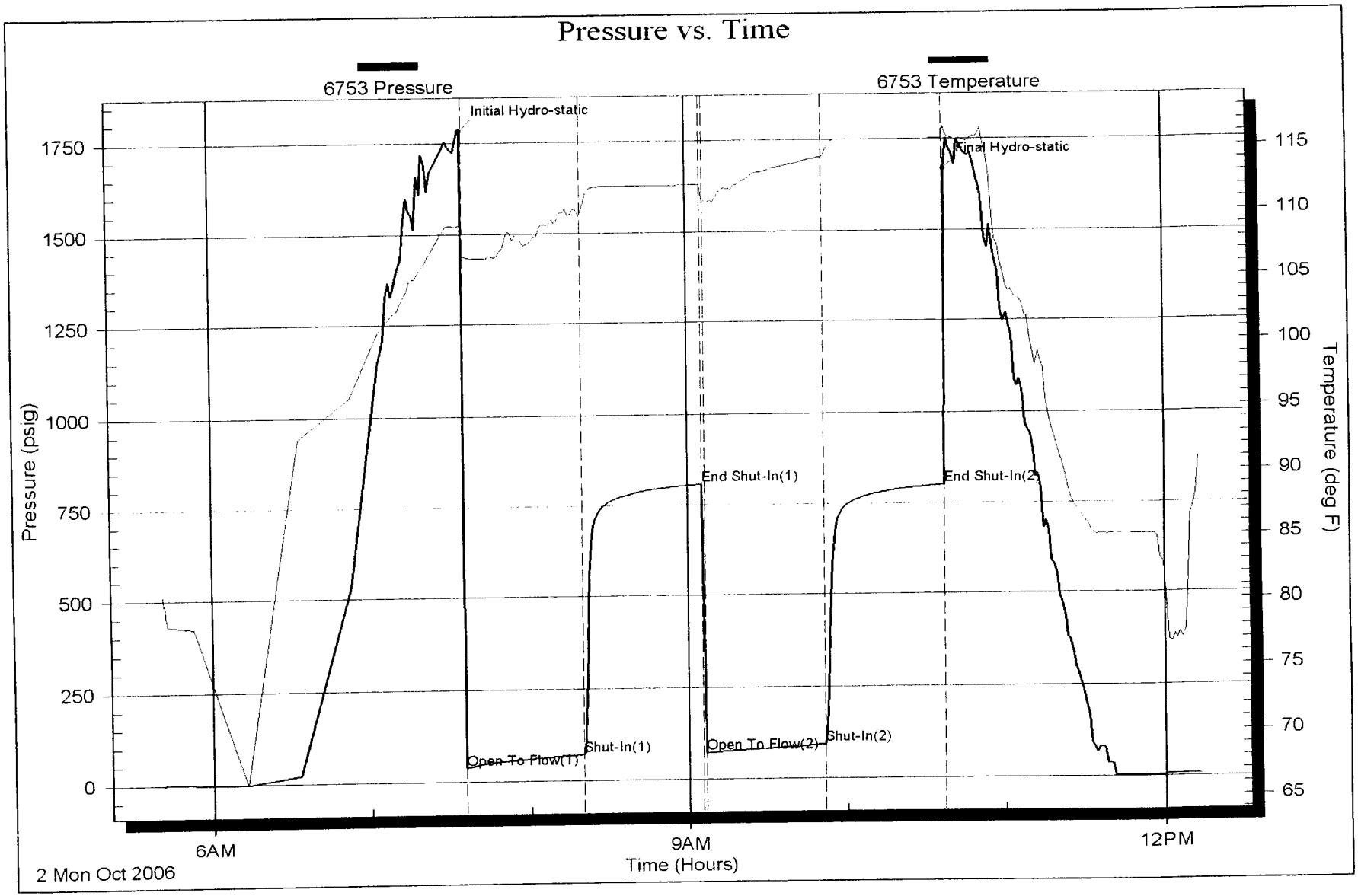
Length ft	Description	Volume bbl
65.00	WCM 15%W 85%M	0.638
60.00	MW 30%M 70%W	0.842
0.00	w/show of Oil in tool	0.000

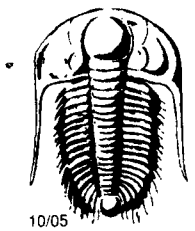
Total Length: 125.00 ft Total Volume: 1.480 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW .16 @ 86F


Pressure vs. Time
6753 Pressure
6753 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
1750
1500
1250
1000
750
500
250
0
115
110
105
100
95
90
85
80
75
70
65
6AM
9AM
12PM
Time (Hours)
2 Mon Oct 2006



10/05

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9-15 ✓ 26241

Test Ticket

Well Name & No. Jerry # 1-14 Test No. 1 Date 10-2-06

Company Downing-Nelson Oil Co Inc Zone Tested LKC

Address P.O. Box 372 Hays, Ks 67601 Elevation 2286 KB 2278 GL

Co. Rep / Geo. Ron Nelson Rig Discovery rig 3

Location: Sec. 14 Twp. 13S Rge. 22W Co. Trego State Ks

Comment: Release date / time:

Interval Tested 3662-3721 Initial Str Wt./Lbs. 38000 Unseated Str Wt/Lbs. 38000

Anchor Length 59 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 45000

Top Packer Depth 3657 Tool Weight 2200

Bottom Packer Depth 3662 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 3721 Wt. Pipe Run — Drill Collar Run 30

Mud Wt. 8.7 LCM ½# Vis. 63 WL 8.8 Drill Pipe Size 4½XH Ft. Run 3636

Blow Description IFP - Weak Blow Thru-out ¼" To 2" Blow

FFP - Weak Blow

No Blow on shut-in

Recovery - Total Feet 125 GIP — Ft. in DC 30 Ft. in DP 95

Rec. 65	Feet of WCM	%gas	%oil	15	%water	85	%mud
Rec. 60	Feet of MW	%gas	%oil	70	%water	30	%mud
Rec.	Feet of w/show of oil in Tool	%gas	%oil		%water		%mud
Rec.	Feet of	%gas	%oil		%water		%mud
Rec.	Feet of	%gas	%oil		%water		%mud

BHT 115 °F Gravity °API D @ °F Corrected Gravity °API

RW .16 @ 86 °F Chlorides 36000 ppm Recovery Chlorides 3000 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud		1722 PSI	Recorder No.	6753	Test ✓	
(B) First Initial Flow Pressure		36 PSI	(depth)	3666	Jars	
(C) First Final Flow Pressure		71 PSI	Recorder No.	13534	Safety Jt.	
(D) Initial Shut-In Pressure		805 PSI	(depth)	3698	Circ Sub	
(E) Second Initial Flow Pressure		71 PSI	Recorder No.	—	Sampler	
(F) Second Final Flow Pressure		91 PSI	(depth)	—	Straddle	
(G) Final Shut-In Pressure		799 PSI	**Initial Opening**	45	Ext. Packer	
(Q) Final Hydrostatic Mud		1707 PSI	Initial Shut-In	45	Shale Packer	
			Final Flow	45	Ruined Packer	
			Final Shut-In	45	Mileage ✓ 60 RT	
			T-On Location	0500	Sub Total:	1185
			T-Started	0540	Std. By	
			T-Open	0735	Acc. Chg:	
			T-Pulled	1035	Other:	
			T-Out	1212	Total:	

Approved By

Our Representative Ray Schwager Thank 404

CHART PAGE

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