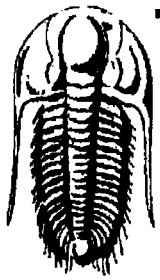


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

PO Box 372
Hays KS 67601

ATTN: Ron Nelson

32 9S 23W Graham KS

Jimison-Davignon 1-32

Start Date: 2006.10.27 @ 03:10:39
End Date: 2006.10.27 @ 10:52:22
Job Ticket #: 26537 DST #: 1

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

DRILL STEM TEST REPORT

Dow ning-Nelson Oil CO

PO Box 372
Hays KS 67601

ATTN: Ron Nelson

Jimison-Davignon 1-32

32 9S 23W Graham KS

Job Ticket: 26537 **DST#: 1**

Test Start: 2006.10.27 @ 03:10:39

GENERAL INFORMATION:

Formation: **LKC "H-J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:16:07
Time Test Ended: 10:52:22

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 24

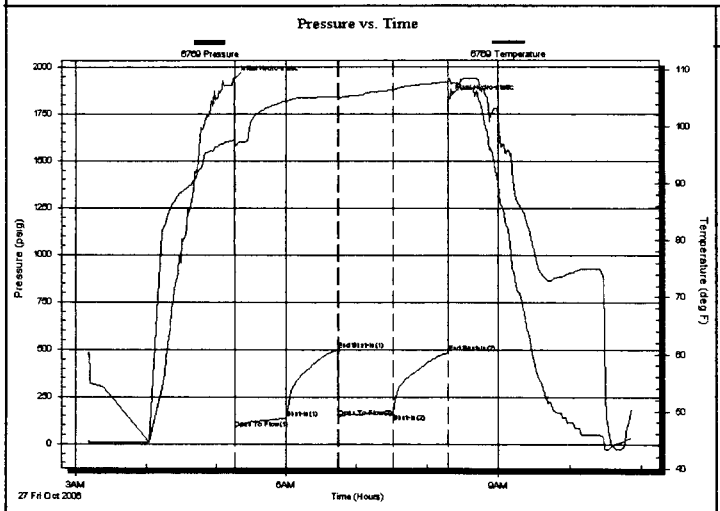
Interval: 3933.00 ft (KB) To 4005.00 ft (KB) (TVD)
Total Depth: 4005.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2484.00 ft (KB)
2479.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6769 **Inside**
Press@RunDepth: 164.14 psig @ 3936.01 ft (KB)
Start Date: 2006.10.27 End Date: 2006.10.27
Start Time: 03:10:39 End Time: 10:52:22

Capacity: 7000.00 psig
Last Calib.: 2006.10.27
Time On Btm: 2006.10.27 @ 05:15:37
Time Off Btm: 2006.10.27 @ 08:18:22

TEST COMMENT: IFP BOB 11 min.
ISI Weak sur blow back died 5 min.
FFP BOB 10 min.
FSI Sur blow back died 8 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1933.57	97.62	Initial Hydro-static
1	83.00	96.91	Open To Flow (1)
45	137.98	104.46	Shut-In(1)
89	500.73	105.36	End Shut-In(1)
90	144.30	105.25	Open To Flow (2)
136	164.14	106.47	Shut-In(2)
183	485.05	107.85	End Shut-In(2)
183	1832.66	108.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	GOCM 60%G 20%O 20%M	1.94
90.00	GHOCM 20%G 45%O 30%M	1.26

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing-Nelson Oil CO

PO Box 372
Hays KS 67601

ATTN: Ron Nelson

Jimison-Davignon 1-32

32 9S 23W Graham KS

Job Ticket: 26537 **DST#: 1**

Test Start: 2006.10.27 @ 03:10:39

Tool Information

Drill Pipe:	Length:	3868.00 ft	Diameter:	3.80 inches	Volume:	54.26 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	64.00 ft	Diameter:	2.25 inches	Volume:	0.31 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		60000.00 lb
					Total Volume:	54.57 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		19.00 ft					String Weight:	Initial	40000.00 lb
Depth to Top Packer:		3933.00 ft						Final	42000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		72.02 ft							
Tool Length:		92.02 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3918.00		
Hydraulic tool	5.00			3923.00		
Packer	5.00			3928.00	20.00	Bottom Of Top Packer
Packer	5.00			3933.00		
Stubb	1.00			3934.00		
Perforations	1.00			3935.00		
Change Over Sub	1.00			3936.00		
Recorder	0.01	6769	Inside	3936.01		
Blank Spacing	63.00			3999.01		
Change Over Sub	1.00			4000.01		
Perforations	2.00			4002.01		
Recorder	0.01	13548	Outside	4002.02		
Bullnose	3.00			4005.02	72.02	Bottom Packers & Anchor
Total Tool Length:	**92.02**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil CO

PO Box 372
Hays KS 67601

ATTN: Ron Nelson

Jimison-Davignon 1-32

32 9S 23W Graham KS

Job Ticket: 26537 **DST#: 1**

Test Start: 2006.10.27 @ 03:10:39

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:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.76 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

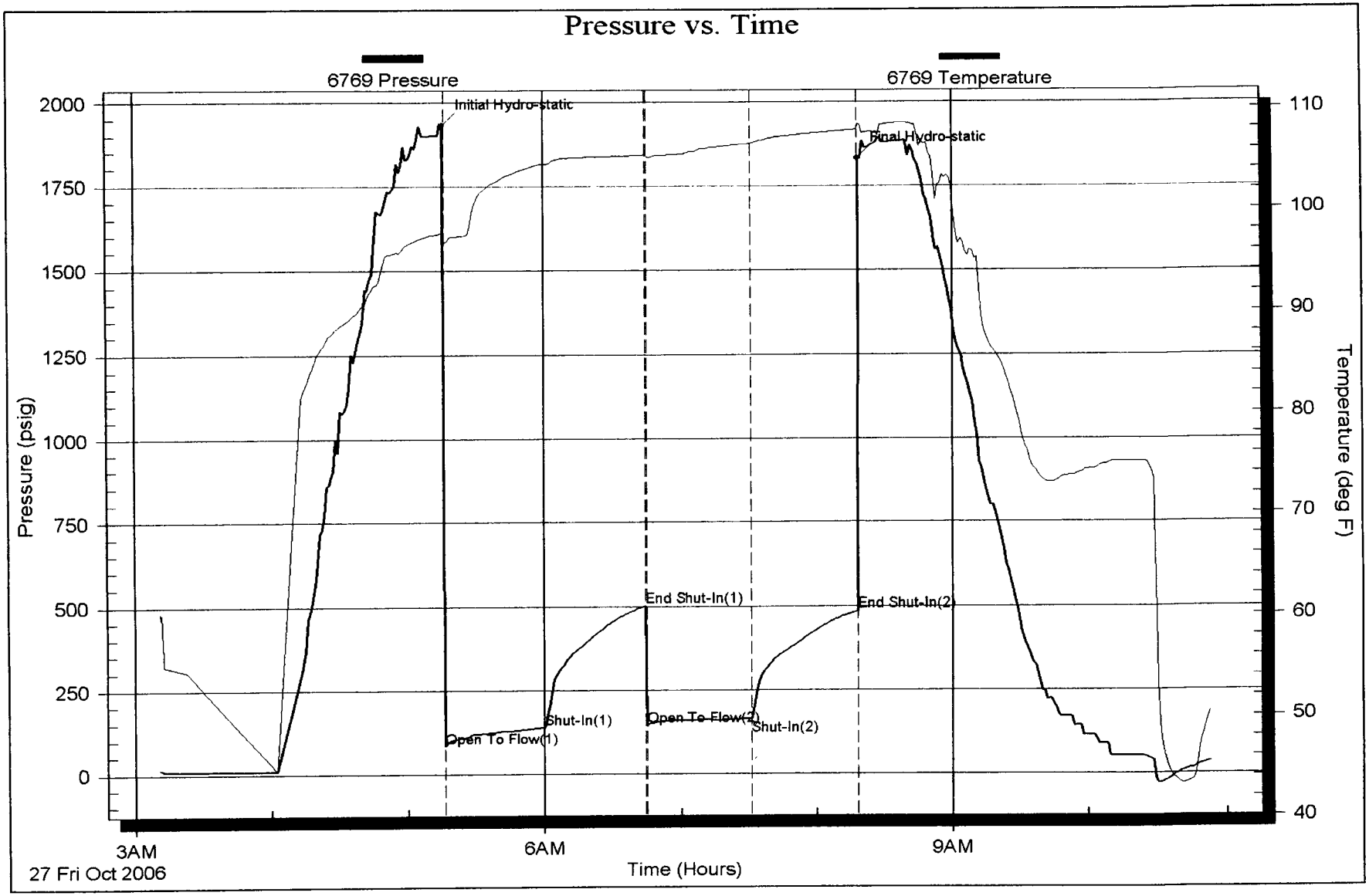
Length ft	Description	Volume bbl
180.00	GOCM 60%G 20%O 20%M	1.942
90.00	GHOCM 20%G 45%O 30%M	1.262

Total Length: 270.00 ft Total Volume: 3.204 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 800' GIP


Pressure vs. Time
6769 Pressure
6769 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)
2000
1750
1500
1250
1000
750
500
250
0
110
100
90
80
70
60
50
40
3AM
27 Fri Oct 2006
6AM
9AM
Time (Hours)

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

26537

9450 ✓

Test Ticket

Well Name & No. Jimison- Davignon 1-32 Test No. 1 Date 10-27-06

Company DNOC Zone Tested LKC "H-J"

Address P.O. Box 372 Hays, Ks 67601 Elevation 2484 KB 2479 GL

Co. Rep / Geo. Ron Nelson Rig A-A 1

Location: Sec. 32 Twp. 9S Rge. 23W Co. Graham State Ks

Comment: Release date / time:

Interval Tested 3933 - 4005 Initial Str Wt./Lbs. 40,000 Unseated Str Wt/Lbs. 42,000

Anchor Length 72 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 60,000

Top Packer Depth 3928 Tool Weight 2500

Bottom Packer Depth 3933 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 4005 Wt. Pipe Run 69 Drill Collar Run —

Mud Wt. 9.0 LCM — Vis. 54 WL 8.8 Drill Pipe Size 4½ XH Ft. Run 3868

Blow Description IFP- BoB 11 min
ISI- weak sur blow back died 5 min
FFP- BoB 10 min
FSI- sur blow back died 8 min

Recovery - Total Feet 270 GIP 800 Ft. in DC — Ft. in DP 270

Rec. 90 Feet of GHOCM 20 %gas 45 %oil %water 35 %mud

Rec. 180 Feet of GOCM 60 %gas 20 %oil %water 20 %mud

Rec. Feet of %gas %oil %water %mud

Rec. Feet of %gas %oil %water %mud

Rec. Feet of %gas %oil %water %mud

BHT 108 °F Gravity °API D @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 4000 ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud		1901	PSI	Recorder No.	6769	Test ✓	1200
(B) First Initial Flow Pressure		83	PSI	(depth)	3936	Jars	
(C) First Final Flow Pressure		138	PSI	Recorder No.	13548	Safety Jt.	
(D) Initial Shut-In Pressure		501	PSI	(depth)	4002	Circ Sub	
(E) Second Initial Flow Pressure		144	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		164	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		485	PSI	**Initial Opening**	45	Ext. Packer	
(Q) Final Hydrostatic Mud		1871	PSI	Initial Shut-In	45	Shale Packer	
				Final Flow	45	Ruined Packer	
				Final Shut-In	45	Mileage 146	145
				T-On Location	0059	Sub Total:	
				T-Started	0310	Std. By 3/4	75
				T-Open	0515	Acc. Chg:	
				T-Pulled	0815	Other:	$1420
				T-Out	1052	Total:	

Approved By

Our Representative Brian Fairbank (Geologist)

CHART PAGE

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