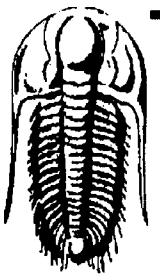


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

P O Box 372
Hays Ks 67601

ATTN: Ron Nelson

16-13s-21w Trego Ks

Kohl #1-16

Start Date: 2004.02.02 @ 08:40:28
End Date: 2004.02.02 @ 14:43:57
Job Ticket #: 18398 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 Inc

P O Box 372
Hays Ks 67601

ATTN: Ron Nelson

Kohl #1-16

16-13s-21w Trego Ks

Job Ticket: 18398 **DST#: 1**

Test Start: 2004.02.02 @ 08:40:28

GENERAL INFORMATION:

Formation: **LKC**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:17:27
Time Test Ended: 14:43:57

Test Type: Conventional Bottom Hole
Tester: Ray Schw ager
Unit No: 28

Interval: 3614.00 ft (KB) To 3628.00 ft (KB) (TVD)
Total Depth: 3628.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

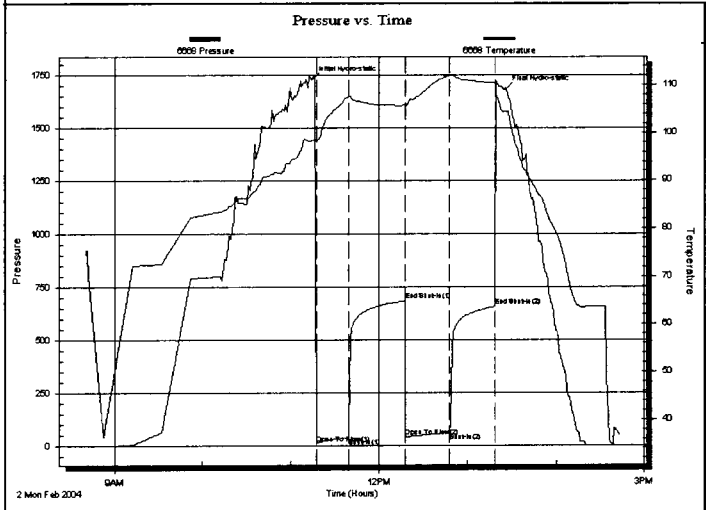
Reference Elevations: 2225.00 ft (KB)
2217.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6668 **Inside**

Press@RunDepth: 61.13 psig @ 3615.01 ft (KB)
Start Date: 2004.02.02 End Date: 2004.02.02
Start Time: 08:40:28 End Time: 14:43:57

Capacity: 7000.00 psig
Last Calib.: 2004.02.02
Time On Btm: 2004.02.02 @ 11:14:27
Time Off Btm: 2004.02.02 @ 13:25:57

TEST COMMENT: IFP-w k bl thru-out 1/2"to1 1/2"bl
FFP-w k bl thru-out 1/4" to 1/2"bl
Times 30-30-30-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1729.83	98.25	Initial Hydro-static
3	11.94	98.20	Open To Flow (1)
25	38.66	107.53	Shut-In(1)
63	685.63	105.70	End Shut-In(1)
64	40.06	105.50	Open To Flow (2)
94	61.13	111.97	Shut-In(2)
124	658.88	110.38	End Shut-In(2)
132	1684.16	104.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	MW 10%mud 90%w ater	0.99

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

Kohl #1-16

16-13s-21w Trego Ks

Job Ticket: 18398 **DST#: 1**

Test Start: 2004.02.02 @ 08:40:28

Tool Information

Drill Pipe:	Length:	3593.00 ft	Diameter:	3.80 inches	Volume:	50.40 bbl	Tool Weight:		2200.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 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:	50.55 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		30.00 ft					String Weight:	Initial	42000.00 lb
Depth to Top Packer:		3614.00 ft						Final	42000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		14.02 ft							
Tool Length:		35.02 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			3594.00		
Shut In Tool	5.00			3599.00		
Hydraulic tool	5.00			3604.00		
Packer	5.00			3609.00	21.00	Bottom Of Top Packer
Packer	5.00			3614.00		
Stubb	1.00			3615.00		
Recorder	0.01	6668	Inside	3615.01		
Perforations	10.00			3625.01		
Recorder	0.01	11085	Outside	3625.02		
Bullnose	3.00			3628.02	14.02	Bottom Packers & Anchor
Total Tool Length:	**35.02**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co Inc

P O Box 372
Hays Ks 67601

ATTN: Ron Nelson

Kohl #1-16

16-13s-21w Trego Ks

Job Ticket: 18398 **DST#: 1**

Test Start: 2004.02.02 @ 08:40:28

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:	35000 ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.75 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

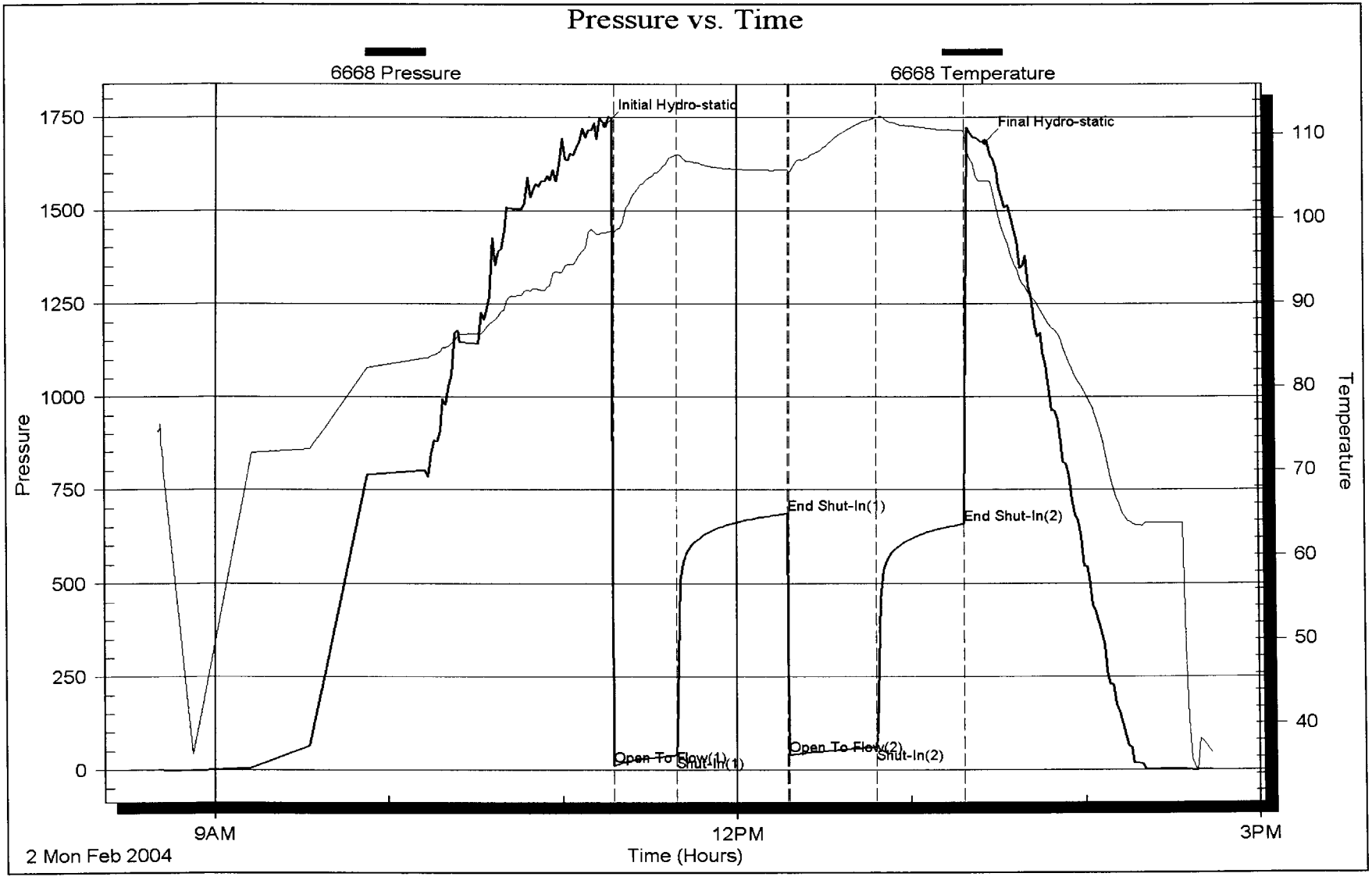
Length ft	Description	Volume bbl
90.00	MW 10%mud 90%water	0.989

Total Length: 90.00 ft Total Volume: 0.989 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW .35@42F


Pressure vs. Time
6668 Pressure
6668 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
Temperature
1750
1500
1250
1000
750
500
250
0
110
100
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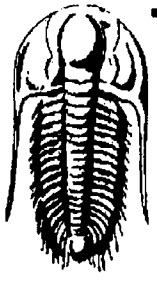
80
70
60
50
40
9AM
12PM
3PM
2 Mon Feb 2004
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

P O Box 372
Hays Ks 67601

ATTN: Ron Nelson

16-13s-21w Trego Ks

Kohl #1-16

Start Date: 2004.02.03 @ 07:20:57
End Date: 2004.02.03 @ 12:52:26
Job Ticket #: 18399 DST #: 2

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

Kohl #1-16

16-13s-21w Trego Ks

Job Ticket: 18399 **DST#: 2**

Test Start: 2004.02.03 @ 07:20:57

GENERAL INFORMATION:

Formation: **LKC**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:21:56
Time Test Ended: 12:52:26

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

Interval: 3695.00 ft (KB) To 3762.00 ft (KB) (TVD)
Total Depth: 3762.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

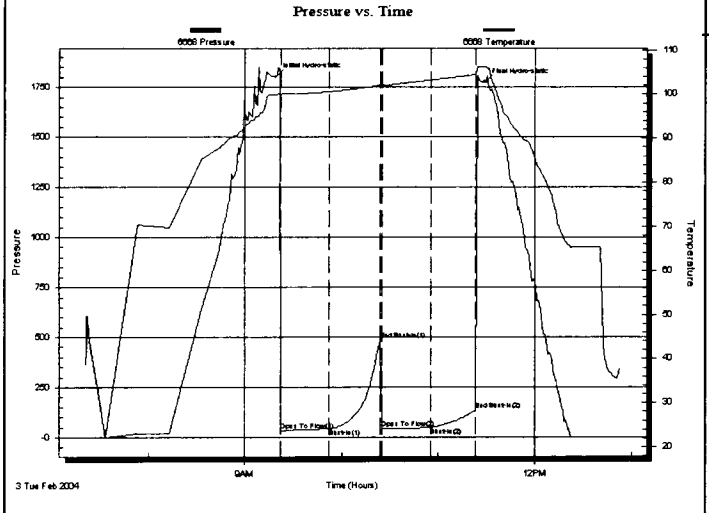
Reference Elevations: 2225.00 ft (KB)
2217.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6668 **Inside**

Press@RunDepth: 48.25 psig @ 3732.01 ft (KB)
Start Date: 2004.02.03 End Date: 2004.02.03
Start Time: 07:20:57 End Time: 12:52:26

Capacity: 7000.00 psig
Last Calib.: 2004.02.03
Time On Btm: 2004.02.03 @ 09:18:56
Time Off Btm: 2004.02.03 @ 11:28:56

TEST COMMENT: IFP-w k bl thru-out 1/2"to 1"bl
FFP-w k bl thru-out 1/4"to 1/2"bl
times 30-30-30-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1803.28	99.83	Initial Hydro-static
3	32.84	99.91	Open To Flow (1)
33	42.45	100.55	Shut-In(1)
65	487.10	102.01	End Shut-In(1)
66	42.10	101.92	Open To Flow (2)
96	48.25	103.21	Shut-In(2)
125	135.01	104.42	End Shut-In(2)
130	1776.14	106.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	O&GCM 5%gas 12%oil 83%mud	0.29
0.00	60'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 Inc

P O Box 372
Hays Ks 67601

ATTN: Ron Nelson

Kohl #1-16

16-13s-21w Trego Ks

Job Ticket: 18399 **DST#: 2**

Test Start: 2004.02.03 @ 07:20:57

Tool Information

Drill Pipe:	Length:	3659.00 ft	Diameter:	3.80 inches	Volume:	51.33 bbl	Tool Weight:		2200.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 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:		50000.00 lb
					Total Volume:	51.48 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		15.00 ft					String Weight:	Initial	42000.00 lb
Depth to Top Packer:		3695.00 ft						Final	42000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		67.02 ft							
Tool Length:		88.02 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			3675.00		
Shut In Tool	5.00			3680.00		
Hydraulic tool	5.00			3685.00		
Packer	5.00			3690.00	21.00	Bottom Of Top Packer
Packer	5.00			3695.00		
Stubb	1.00			3696.00		
Perforations	4.00			3700.00		
Change Over Sub	1.00			3701.00		
Blank Spacing	30.00			3731.00		
Change Over Sub	1.00			3732.00		
Recorder	0.01	6668	Inside	3732.01		
Perforations	27.00			3759.01		
Recorder	0.01	11085	Outside	3759.02		
Bullnose	3.00			3762.02	67.02	Bottom Packers & Anchor
Total Tool Length:	**88.02**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co Inc

P O Box 372
Hays Ks 67601

ATTN: Ron Nelson

Kohl #1-16

16-13s-21w Trego Ks

Job Ticket: 18399 **DST#: 2**

Test Start: 2004.02.03 @ 07:20:57

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:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.75 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

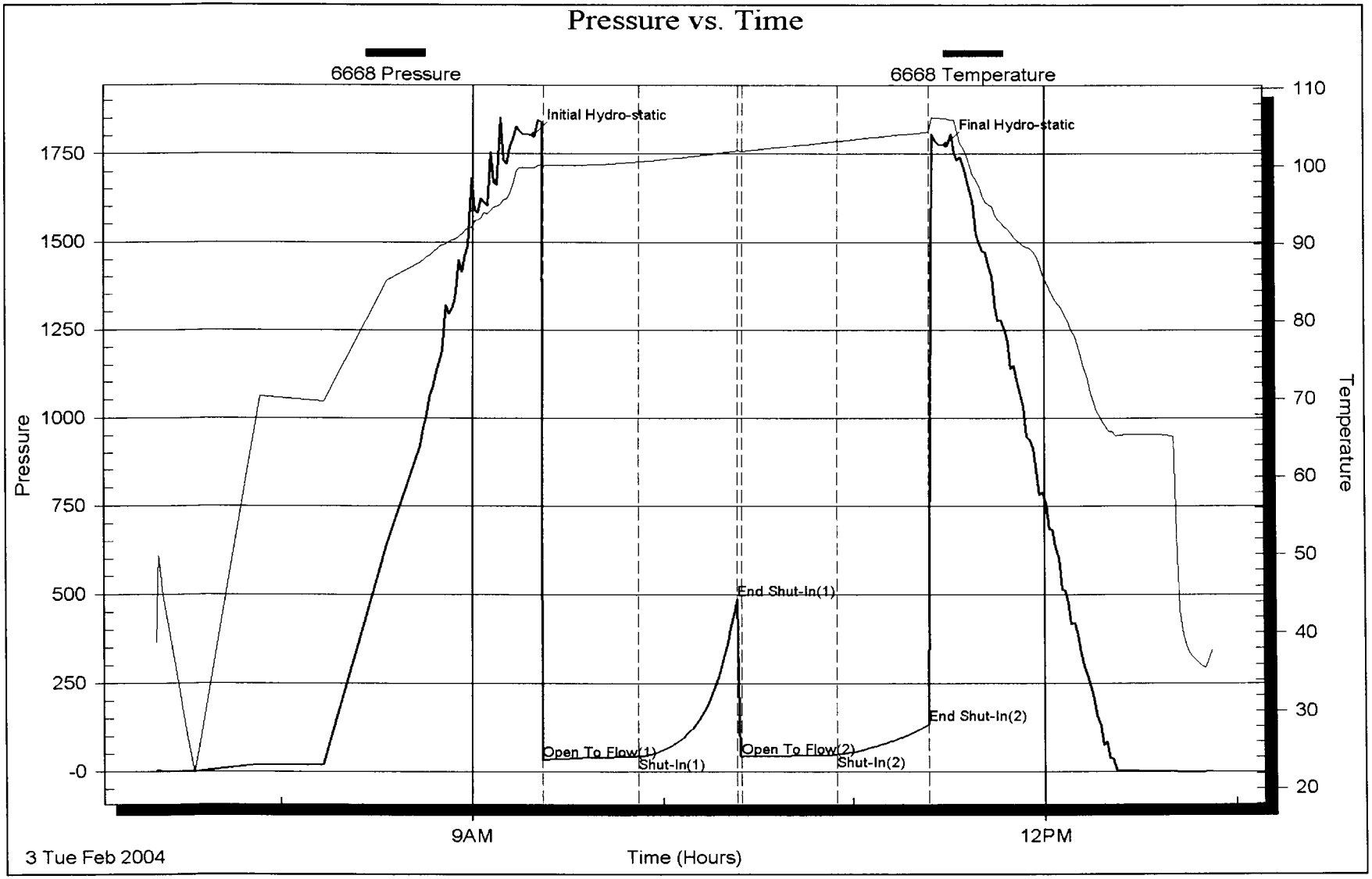
Length ft	Description	Volume bbl
40.00	O&GCM 5%gas 12%oil 83%mud	0.288
0.00	60'GIP	0.000

Total Length: 40.00 ft Total Volume: 0.288 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6668 Pressure
6668 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
Temperature
1750
1500
1250
1000
750
500
250
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110
100
90
80
70
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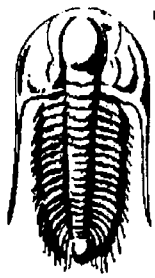
20
9AM
12PM
3 Tue Feb 2004
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

P O Box 372
Hays Ks 67601

ATTN: Ron Nelson

16-13s-21w Trego Ks

Kohl #1-16

Start Date: 2004.02.04 @ 02:46:22
End Date: 2004.02.04 @ 08:44:21
Job Ticket #: 18400 DST #: 3

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 Inc

P O Box 372
Hays Ks 67601

ATTN: Ron Nelson

Kohl #1-16

16-13s-21w Trego Ks

Job Ticket: 18400 **DST#: 3**

Test Start: 2004.02.04 @ 02:46:22

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:49:21
Time Test Ended: 08:44:21

Test Type: Conventional Bottom Hole
Tester: Ray Schw ager
Unit No: 28

Interval: 3880.00 ft (KB) To 3917.00 ft (KB) (TVD)
Total Depth: 3917.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

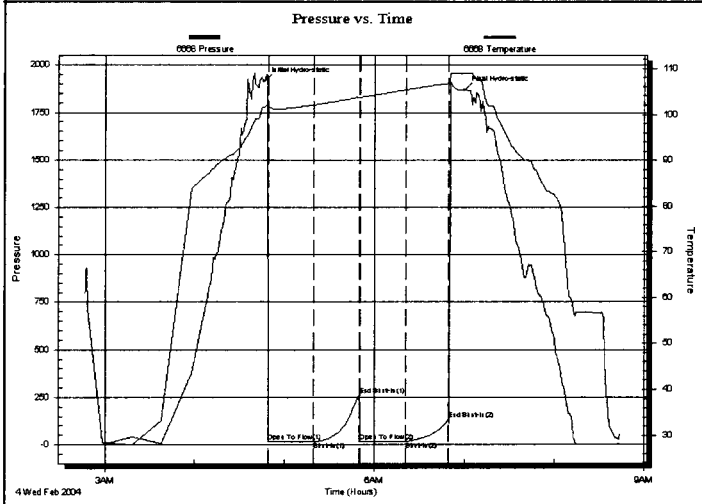
Reference Elevations: 2225.00 ft (KB)
2217.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6668 **Inside**

Press@RunDepth: 16.21 psig @ 3881.01 ft (KB)
Start Date: 2004.02.04 End Date: 2004.02.04
Start Time: 02:46:22 End Time: 08:44:21

Capacity: 7000.00 psig
Last Calib.: 2004.02.04
Time On Btm: 2004.02.04 @ 04:46:51
Time Off Btm: 2004.02.04 @ 06:59:51

TEST COMMENT: IFP-w k bl thru-out 1/2"decreased to surface bl
FFP-no bl
times 30-30-30-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1913.89	101.68	Initial Hydro-static
3	14.30	101.57	Open To Flow (1)
33	15.96	102.06	Shut-In(1)
63	261.96	103.75	End Shut-In(1)
64	15.76	103.69	Open To Flow (2)
94	16.21	105.33	Shut-In(2)
123	130.95	106.80	End Shut-In(2)
133	1868.47	108.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	SOCM 3%oil 97%mud	0.01
0.00	w/show of clean oil top of tool	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 Inc

P O Box 372
Hays Ks 67601

ATTN: Ron Nelson

Kohl #1-16

16-13s-21w Trego Ks

Job Ticket: 18400 **DST#: 3**

Test Start: 2004.02.04 @ 02:46:22

Tool Information

Drill Pipe:	Length:	3848.00 ft	Diameter:	3.80 inches	Volume:	53.98 bbl	Tool Weight:		2200.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 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:	54.13 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		19.00 ft					String Weight:	Initial	44000.00 lb
Depth to Top Packer:		3880.00 ft						Final	44000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		37.02 ft							
Tool Length:		58.02 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			3860.00		
Shut In Tool	5.00			3865.00		
Hydraulic tool	5.00			3870.00		
Packer	5.00			3875.00	21.00	Bottom Of Top Packer
Packer	5.00			3880.00		
Stubb	1.00			3881.00		
Recorder	0.01	6668	Inside	3881.01		
Perforations	33.00			3914.01		
Recorder	0.01	11085	Outside	3914.02		
Bullnose	3.00			3917.02	37.02	Bottom Packers & Anchor
Total Tool Length:	**58.02**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co Inc

P O Box 372
Hays Ks 67601

ATTN: Ron Nelson

Kohl #1-16

16-13s-21w Trego Ks

Job Ticket: 18400 **DST#: 3**

Test Start: 2004.02.04 @ 02:46:22

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:	7.18 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6500.00 ppm				
Filter Cake:	1.00 inches				

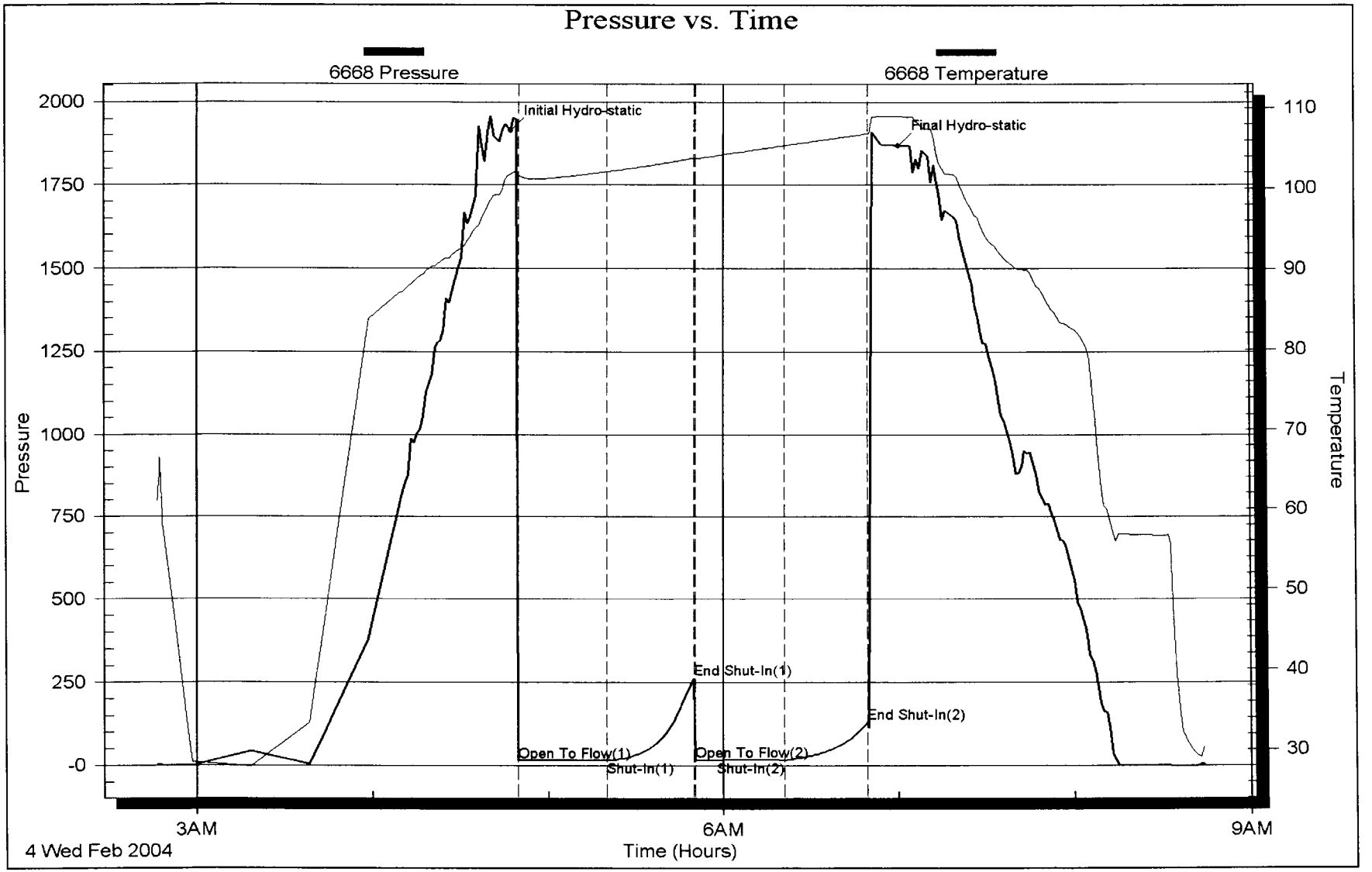
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	SOCM 3%oil 97%mud	0.010
0.00	w/show of clean oil top of tool	0.000

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
6668 Pressure
6668 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
Temperature
2000
1750
1500
1250
1000
750
500
250
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100
90
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60
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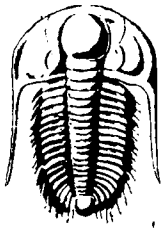
3AM
6AM
9AM
4 Wed Feb 2004
Time (Hours)



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 6179

Nº 18398

05/03

Test Ticket

Well Name & No. Kohl #1-16 Test No. 1 Date 2-2-04

Company Downing-Nelson Oil Co. Inc Zone Tested LKC

Address P.O. Box 372 Hays, Ks 67601 Elevation 2225 KB 2217 GL

Co. Rep / Geo. Ron Nelson Cont. Discovery rig 1 Est. Ft. of Pay — Por. — %

Location: Sec. 16 Twp. 13S Rge. 21W Co. Trego State Ks

No. of Copies Reg Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3614-3628 Initial Str Wt./Lbs. 42000 Unseated Str Wt/Lbs. 42000

Anchor Length 14 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 60000

Top Packer Depth 3609 Tool Weight 2200

Bottom Packer Depth 3614 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 3628 Wt. Pipe Run — Drill Collar Run 30

Mud Wt. 9.1 LCM — Vis. 48 WL 8.8 Drill Pipe Size 4½XH Ft. Run

Blow Description IFP - Weak Blow Thru-out ½" To 1½" Blow

FFP - Weak Blow Thru-out ¼" To ½" Blow

No Blow on Shut-in

Recovery - Total Feet 90 GIP — Ft. in DC 30 Ft. in DP 60

Rec. 90 Feet of MW %gas %oil 90 %water 10 %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 110 °F Gravity — °API D @ — °F Corrected Gravity — °API

RW .35 @ 42 °F Chlorides 35000 ppm Recovery _____ Chlorides 6000 ppm System

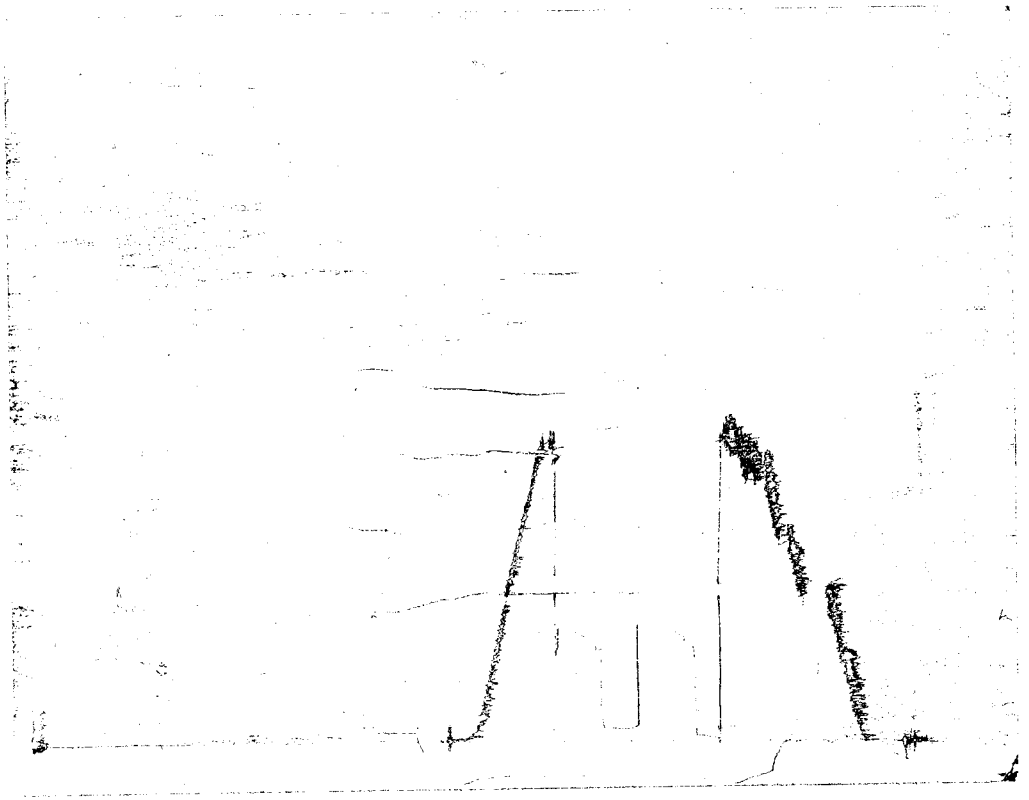
	AK-1	Alpine				
(A) Initial Hydrostatic Mud		1729 PSI	Recorder No.	6668	Test ✓	
(B) First Initial Flow Pressure		11 PSI	(depth)	3615	Elec. Rec. ✓	
(C) First Final Flow Pressure		38 PSI	Recorder No.	11085	Jars	
(D) Initial Shut-In Pressure		685 PSI	(depth)	3625	Safety Jt.	
(E) Second Initial Flow Pressure		40 PSI	Recorder No.	—	Circ Sub	
(F) Second Final Flow Pressure		61 PSI	(depth)	—	Sampler	
(G) Final Shut-In Pressure		658 PSI	**Initial Opening**	30	Straddle	
(Q) Final Hydrostatic Mud		1684 PSI	Initial Shut-In	30	Ext. Packer	
			Final Flow	30	Shale Packer	
			Final Shut-In	30	Mileage ✓27	
			T-On Location	0730	Sub Total:	895.90
			T-Started	0840	Std. By	
			T-Open	1120	Other	
			T-Pulled	1320	Total:	
			T-Out	1445		

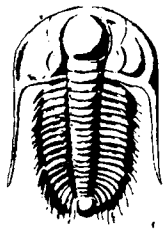
Approved By _____

Our Representative Ray Schwager Thank you

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

05/03

№ 18399

Test Ticket

Well Name & No. Kohl #1-16 Test No. 2 Date 2-3-04

Company Downing-Nelson Oil Co Inc Zone Tested LKC

Address P.O. Box 372 Hays, Ks 67601 Elevation 2225 KB 2217 GL

Co. Rep / Geo. Ron Nelson Cont. Discovery rig 2 Est. Ft. of Pay — Por. — %

Location: Sec. 16 Twp. 13S Rge. 21W Co. Trego State Ks

No. of Copies Reg Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3695-3762 Initial Str Wt./Lbs. 42000 Unseated Str Wt/Lbs. 42000

Anchor Length 67 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 50000

Top Packer Depth 3690 Tool Weight 2200

Bottom Packer Depth 3695 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 3762 Wt. Pipe Run — Drill Collar Run 30

Mud Wt. 9.2 LCM — Vis. 51 WL 8.8 Drill Pipe Size 4½XH Ft. Run 3659

Blow Description IFP - Weak Blow Thru-out ½" To 1" Blow
FFP - Weak Blow Thru-out ¼" To ½" Blow
No Blow on shut-in

Recovery - Total Feet 40 GIP 60 Ft. in DC 30 Ft. in DP 10

Rec. 40 Feet of 046CM 5 %gas 12 %oil %water 83 %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 104 °F Gravity — °API D @ — °F Corrected Gravity — °API

RW — @ — °F Chlorides — ppm Recovery — Chlorides 60000 ppm System

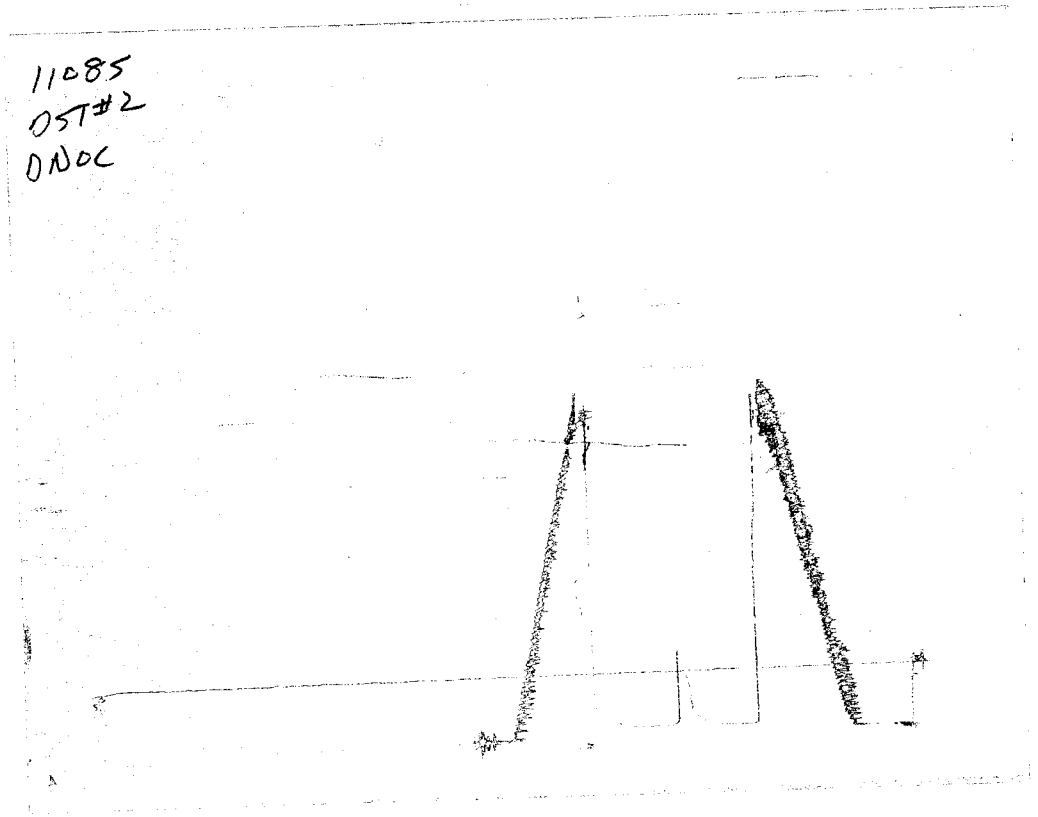
	AK-1	Alpine				
(A) Initial Hydrostatic Mud		1803 PSI	Recorder No.	6668	Test	✓
(B) First Initial Flow Pressure		32 PSI	(depth)	3732	Elec. Rec.	✓
(C) First Final Flow Pressure		42 PSI	Recorder No.	11085	Jars	
(D) Initial Shut-In Pressure		487 PSI	(depth)	3759	Safety Jt.	
(E) Second Initial Flow Pressure		42 PSI	Recorder No.	—	Circ Sub	
(F) Second Final Flow Pressure		48 PSI	(depth)	—	Sampler	
(G) Final Shut-In Pressure		135 PSI	**Initial Opening**	30	Straddle	
(Q) Final Hydrostatic Mud		1776 PSI	Initial Shut-In	30	Ext. Packer	
			Final Flow	30	Shale Packer	
			Final Shut-In	30	Mileage	✓ 27
			T-On Location	0645	Sub Total:	895.90
			T-Started	0920	Std. By	
			T-Open	0920	Other	
			T-Pulled	1120	Total:	
			T-Out	1255		

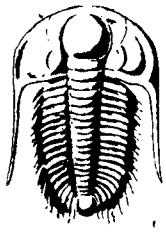
Approved By _____

Our Representative Ray Schwager Thank you

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

05/03

№ 18400

Test Ticket

Well Name & No. Kohl #1-16 Test No. 3 Date 2-4-04

Company Downing-Nelson Oil Co Inc Zone Tested Marmaton

Address P.O Box 372 Hays, Ks 67601 Elevation 2225 KB 2217 GL

Co. Rep / Geo. Ron Nelson Cont. Discovery rig 2 Est. Ft. of Pay — Por. — %

Location: Sec. 16 Twp. 13S Rge. 21W Co. Trego State Ks

No. of Copies Req Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3880 - 3917 Initial Str Wt./Lbs. 44000 Unseated Str Wt/Lbs. 44000

Anchor Length 37 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 60000

Top Packer Depth 3875 Tool Weight 2200

Bottom Packer Depth 3880 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 3917 Wt. Pipe Run — Drill Collar Run 30

Mud Wt. 9.3 LCM — Vis. 54 WL 7.2 Drill Pipe Size 4½XH Ft. Run 3848

Blow Description IFP - Weak Blow thru-out ½" decreased to surface Blow
FFP - No Blow

Recovery - Total Feet 2 GIP — Ft. in DC 2 Ft. in DP —

Rec. 2	Feet of 50CM	%gas	3 %oil	%water	97 %mud
Rec.	Feet of w/show of clean oil	%gas	%oil	%water	%mud
Rec.	Feet of on Top of Tool	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud

BHT 106 °F Gravity — °API D @ — °F Corrected Gravity — °API

RW — @ — °F Chlorides — ppm Recovery — Chlorides 6500 ppm System

	AK-1	Alpine					
(A) Initital Hydrostatic Mud		1913	PSI	Recorder No.	6668	Test ✓	
(B) First Initial Flow Pressure		14	PSI	(depth)	3881	Elec. Rec. ✓	
(C) First Final Flow Pressure		15	PSI	Recorder No.	11085	Jars	
(D) Initial Shut-In Pressure		261	PSI	(depth)	3914	Safety Jt.	
(E) Second Initial Flow Pressure		15	PSI	Recorder No.	—	Circ Sub	
(F) Second Final Flow Pressure		16	PSI	(depth)	—	Sampler	
(G) Final Shut-In Pressure		130	PSI	**Initial Opening**	30	Straddle	
(Q) Final Hydrostatic Mud		1868	PSI	Initial Shut-In	30	Ext. Packer	
				Final Flow	30	Shale Packer	
				Final Shut-In	30	Mileage ✓ 27	
				T-On Location	0215	Sub Total: 895.00	
				T-Started	0246	Std. By	
				T-Open	0450	Other	
				T-Pulled	0650	Total:	
				T-Out	0845		

Approved By _____

Our Representative Ray Schwager Thank you

CHART PAGE

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