

**TRILOBITE
TESTING, INC.**

RECEIVED
SEP 10 2003
KCC WICHITA

DRILL STEM TEST REPORT

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

P O Box 372
Hays Ks 67601

ATTN: Ron Nelson **ORIGINAL**

25-13s-21w Trego

Schneller #1-25

Start Date: 2003.02.23 @ 14:34:19


End Date: 2003.02.23 @ 21:27:18

Job Ticket #: 16907 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

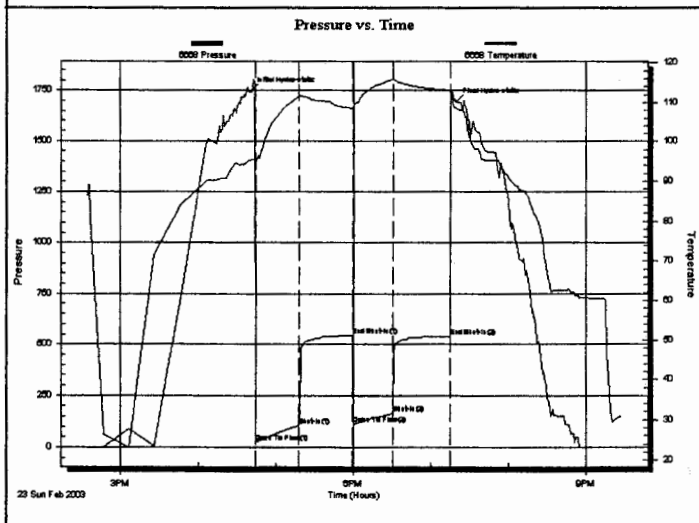
 <p>TRILOBITE TESTING, INC.</p>	DRILL STEM TEST REPORT	
	Dow ning-Nelson Oil CO Inc	Schneller #1-25
	P O Box 372 Hays Ks 67601	25-13s-21w Trego
ATTN: Ron Nelson	Job Ticket: 16907	DST#: 1
	Test Start: 2003.02.23 @ 14:34:19	

GENERAL INFORMATION:

Formation: LKC	Test Type: Conventional Bottom Hole
Deviated: No Whipstock: ft (KB)	Tester: Ray Schwager
Time Tool Opened: 16:44:18	Unit No: 16
Time Test Ended: 21:27:18	
Interval: 3636.00 ft (KB) To 3652.00 ft (KB) (TVD)	Reference Elevations: 2289.00 ft (KB)
Total Depth: 3652.00 ft (KB) (TVD)	2280.00 ft (CF)
Hole Diameter: 7.85 inches Hole Condition: Fair	KB to GR/CF: 9.00 ft

Serial #: 6668	Inside				
Press@RunDepth: 163.53 psig @ 3637.01 ft (KB)	Capacity: 7000.00 psig				
Start Date: 2003.02.23	End Date: 2003.02.23	Last Calib.: 2003.02.23			
Start Time: 14:34:19	End Time: 21:27:18	Time On Btrm: 2003.02.23 @ 16:40:18			
		Time Off Btrm: 2003.02.23 @ 19:19:18			

TEST COMMENT: IFF-w k to strg in 20 min
 FFP-w k to a gd bl 1/2" to 8" bl
 Times 30-45-30-45



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1745.69	95.43	Initial Hydro-static
4	21.44	94.97	Open To Flow (1)
38	104.26	111.49	Shut-In(1)
79	542.20	108.56	End Shut-In(1)
80	111.62	108.71	Open To Flow (2)
110	163.53	115.72	Shut-In(2)
155	538.33	113.08	End Shut-In(2)
159	1697.20	108.48	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
240.00	Water RW .21 @ 28F	3.09
90.00	MW 10% mud 90 % water	1.26

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

Schneller #1-25

P O Box 372
Hays Ks 67601

25-13s-21w Trego

Job Ticket: 16907

DST#: 1

ATTN: Ron Nelson

Test Start: 2003.02.23 @ 14:34:19

Tool Information

Drill Pipe:	Length: 3598.00 ft	Diameter: 3.80 inches	Volume: 50.47 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:	75000.00 lb
			Total Volume: 50.62 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3636.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	16.02 ft				
Tool Length:	37.02 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3616.00	
Shut In Tool	5.00			3621.00	
Hydraulic tool	5.00			3626.00	
Packer	5.00			3631.00	21.00 Bottom Of Top Packer
Packer	5.00			3636.00	
Stubb	1.00			3637.00	
Recorder	0.01	6668	Inside	3637.01	
Perforations	12.00			3649.01	
Recorder	0.01	11085	Outside	3649.02	
Bullnose	3.00			3652.02	16.02 Bottom Packers & Anchor
Total Tool Length:	37.02				



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil CO Inc	Schneller #1-25
P O Box 372 Hays Ks 67601	25-13s-21w Trego
ATTN: Ron Nelson	Job Ticket: 16907 DST#: 1
	Test Start: 2003.02.23 @ 14:34:19

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:	95000 ppm
Viscosity: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.16 in ³	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
240.00	Water RW .21 @ 28F	3.093
90.00	MW 10% mud 90 %w ater	1.262

Total Length: 330.00 ft Total Volume: 4.355 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

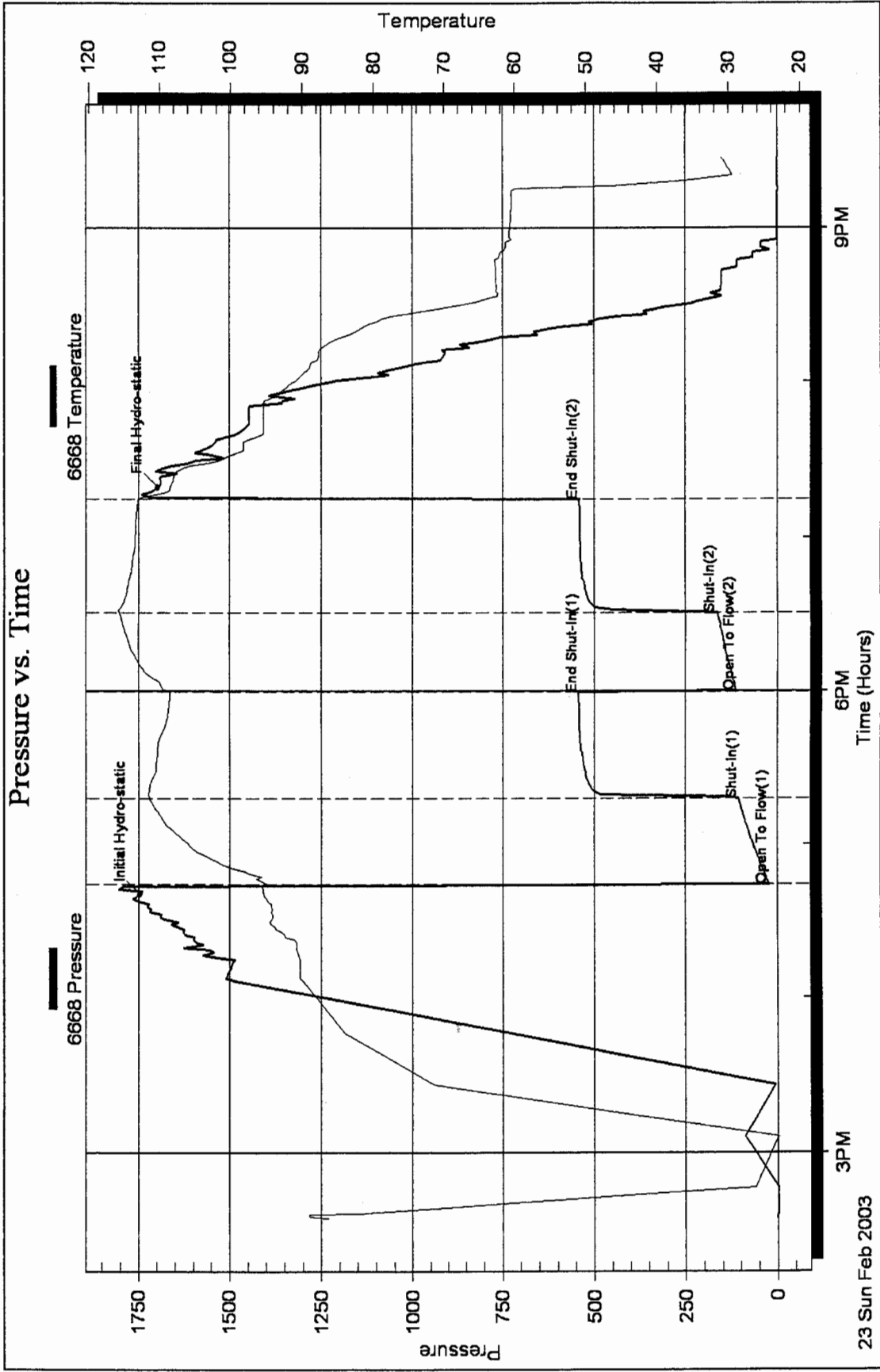
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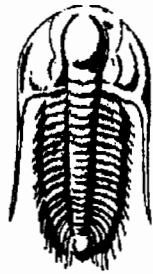
Inside

Downing-Nelson Oil CO Inc

25-13s-21w Trego

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Downing-Nelson Oil CO Inc**
P O Box 372
Hays Ks 67601

RECEIVED
SEP 10 2003
KCC WICHITA

ATTN: Ron Nelson

25-13s-21w Trego

Schneller #1-25

Start Date: 2003.02.24 @ 07:34:16

End Date: 2003.02.24 @ 15:32:15

Job Ticket #: 16908 DST #: 2

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

Downing-Nelson Oil CO Inc
Schneller #1-25
25-13s-21w Trego
DST # 2
LKC
2003.02.24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil CO Inc
 P O Box 372
 Hays Ks 67601
 ATTN: Ron Nelson

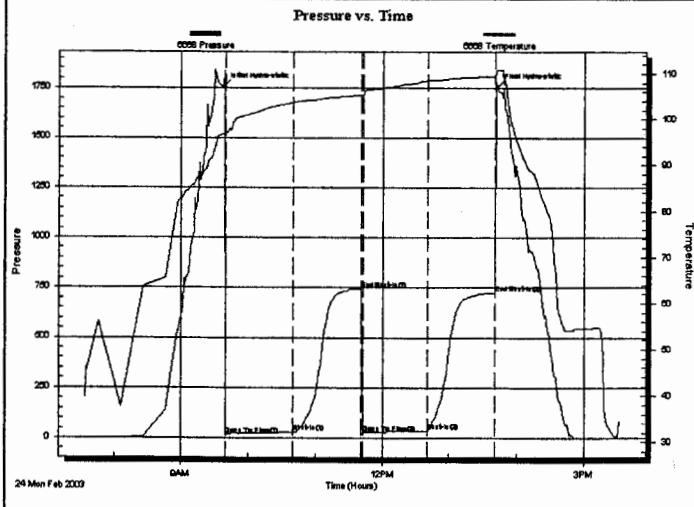
Schneller #1-25
25-13s-21w Trego
 Job Ticket: 16908 **DST#: 2**
 Test Start: 2003.02.24 @ 07:34:16

GENERAL INFORMATION:

Formation: **LKC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:39:45
 Time Test Ended: 15:32:15
 Interval: **3698.00 ft (KB) To 3725.00 ft (KB) (TVD)**
 Total Depth: 3725.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Ray Schwager
 Unit No: 16
 Reference Elevations: 2289.00 ft (KB)
 2280.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6668 Inside
 Press@RunDepth: 35.28 psig @ 3699.01 ft (KB) Capacity: 7000.00 psig
 Start Date: 2003.02.24 End Date: 2003.02.24 Last Calib.: 2003.02.24
 Start Time: 07:34:16 End Time: 15:32:15 Time On Btm: 2003.02.24 @ 09:37:45
 Time Off Btm: 2003.02.24 @ 13:42:45

TEST COMMENT: IFF-w k to a fr bl 1/2" to 5 1/2"bl
 FFP-w k to a gd bl 1" to 6 1/2"BL
 Times 60-60-60-60



PRESSURE SUMMARY

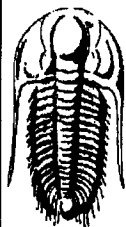
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1756.15	96.65	Initial Hydro-static
2	15.10	96.74	Open To Flow (1)
62	27.04	103.66	Shut-In(1)
123	743.09	105.31	End Shut-In(1)
124	21.83	105.32	Open To Flow (2)
183	35.28	108.54	Shut-In(2)
243	723.18	109.50	End Shut-In(2)
245	1754.73	110.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	HO&GCM 5%gas 35%oil 60%mud	0.29
25.00	CO	0.35
0.00	420 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

Schneller #1-25

P O Box 372
Hays Ks 67601

25-13s-21w Trego

Job Ticket: 16908

DST#: 2

ATTN: Ron Nelson

Test Start: 2003.02.24 @ 07:34:16

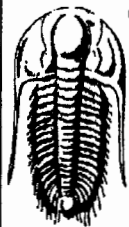
Tool Information

Drill Pipe:	Length: 3661.00 ft	Diameter: 3.80 inches	Volume: 51.35 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
			<u>Total Volume: 51.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3698.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	27.02 ft			
Tool Length:	48.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3678.00	
Shut In Tool	5.00			3683.00	
Hydraulic tool	5.00			3688.00	
Packer	5.00			3693.00	21.00 Bottom Of Top Packer
Packer	5.00			3698.00	
Stubb	1.00			3699.00	
Recorder	0.01	6668	Inside	3699.01	
Perforations	23.00			3722.01	
Recorder	0.01	13547	Outside	3722.02	
Bullnose	3.00			3725.02	27.02 Bottom Packers & Anchor
Total Tool Length:	48.02				



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil CO Inc

Schneller #1-25

P O Box 372
Hays Ks 67601

25-13s-21w Trego

Job Ticket: 16908 **DST#:2**

ATTN: Ron Nelson

Test Start: 2003.02.24 @ 07:34:16

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.16 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 8500.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	HO&GCM 5%gas 35%oil 60%mud	0.288
25.00	CO	0.351
0.00	420 GIP	0.000

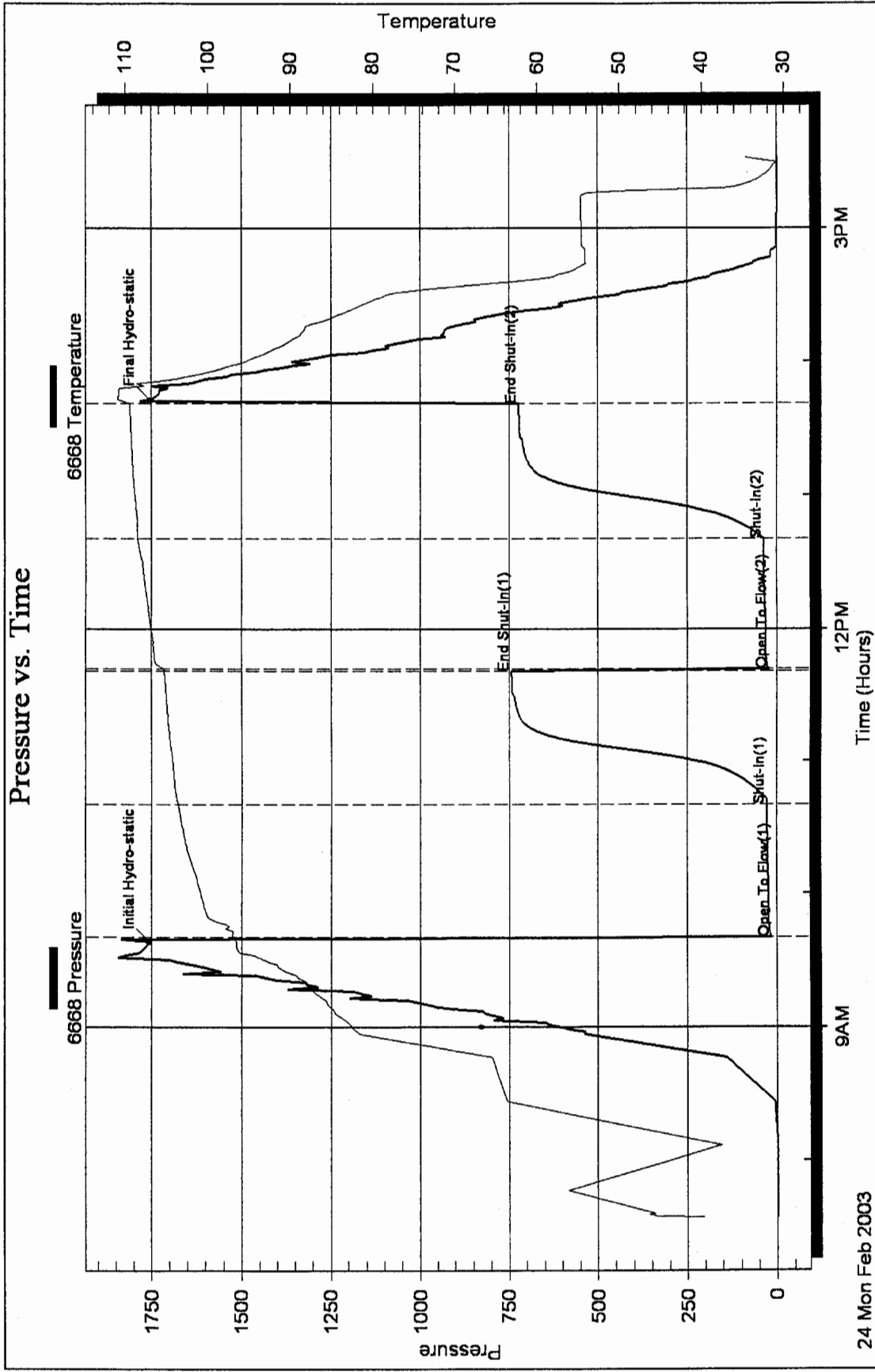
Total Length: 65.00 ft Total Volume: 0.639 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time

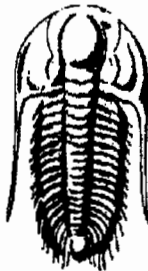


24 Mon Feb 2003

9AM

12PM

3PM



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

P O Box 372
Hays Ks 67601

ATTN: Ron Nelson

25-13s-21w Trego

Schneller #1-25

Start Date: 2003.02.24 @ 22:31:33

End Date: 2003.02.25 @ 04:51:02

Job Ticket #: 16909 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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SEP 10 2003
KCC WICHITA

Downing-Nelson Oil CO Inc


Schneller #1-25

25-13s-21w Trego

DST # 3

LKC "1"

2003.02.24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil CO Inc **Schneller #1-25**

P O Box 372 **25-13s-21w Trego**
 Hays Ks 67601

Job Ticket: 16909 **DST#: 3**

ATTN: Ron Nelson Test Start: 2003.02.24 @ 22:31:33

GENERAL INFORMATION:

Formation: **LKC "I"**

Deviated: **No** Whipstock: ft (KB) Test Type: **Conventional Bottom Hole**

Time Tool Opened: **00:17:32** Tester: **Ray Schwager**

Time Test Ended: **04:51:02** Unit No: **16**

Interval: 3722.00 ft (KB) To 3745.00 ft (KB) (TVD) Reference Elevations: **2289.00 ft (KB)**

Total Depth: **3745.00 ft (KB) (TVD)** **2280.00 ft (CF)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair** KB to GR/CF: **9.00 ft**

Serial #: 6668 **Inside**

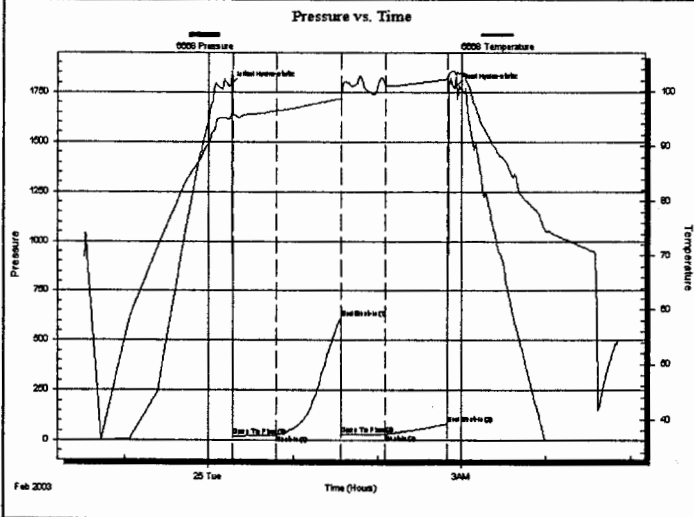
Press@RunDepth: **29.17 psig @ 3723.01 ft (KB)** Capacity: **7000.00 psig**

Start Date: **2003.02.24** End Date: **2003.02.25** Last Calib.: **2003.02.25**

Start Time: **22:31:33** End Time: **04:51:02** Time On Btm: **2003.02.25 @ 00:15:02**

Time Off Btm: **2003.02.25 @ 02:55:02**

TEST COMMENT: IFP-w k bl thru-out 1"bl
 FFP-w k bl thru-out 1/2"bl
 Times 30-45-30-45



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1782.65	94.99	Initial Hydro-static
3	18.85	95.82	Open To Flow (1)
33	24.43	96.44	Shut-in(1)
79	610.92	98.72	End Shut-in(1)
79	26.75	99.74	Open To Flow (2)
110	29.17	101.29	Shut-in(2)
156	82.43	102.29	End Shut-in(2)
160	1772.08	103.74	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
30.00	SOCM 2%oil 98% mud	0.15

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

Schneller #1-25

P O Box 372
Hays Ks 67601

25-13s-21w Trego

Job Ticket: 16909

DST#: 3

ATTN: Ron Nelson

Test Start: 2003.02.24 @ 22:31:33

Tool Information

Drill Pipe:	Length: 3691.00 ft	Diameter: 3.80 inches	Volume: 51.78 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
			<u>Total Volume: 51.93 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3722.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.02 ft			
Tool Length:	44.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3702.00	
Shut In Tool	5.00			3707.00	
Hydraulic tool	5.00			3712.00	
Packer	5.00			3717.00	21.00 Bottom Of Top Packer
Packer	5.00			3722.00	
Stubb	1.00			3723.00	
Recorder	0.01	6668	Inside	3723.01	
Perforations	19.00			3742.01	
Recorder	0.01	11085	Outside	3742.02	
Bullnose	3.00			3745.02	23.02 Bottom Packers & Anchor
Total Tool Length:	44.02				



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil CO Inc
P O Box 372
Hays Ks 67601

ATTN: Ron Nelson

Schneller #1-25
25-13s-21w Trego
Job Ticket: 16909 **DST#: 3**
Test Start: 2003.02.24 @ 22:31:33

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.16 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	SOCM 2%oil 98%mud	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

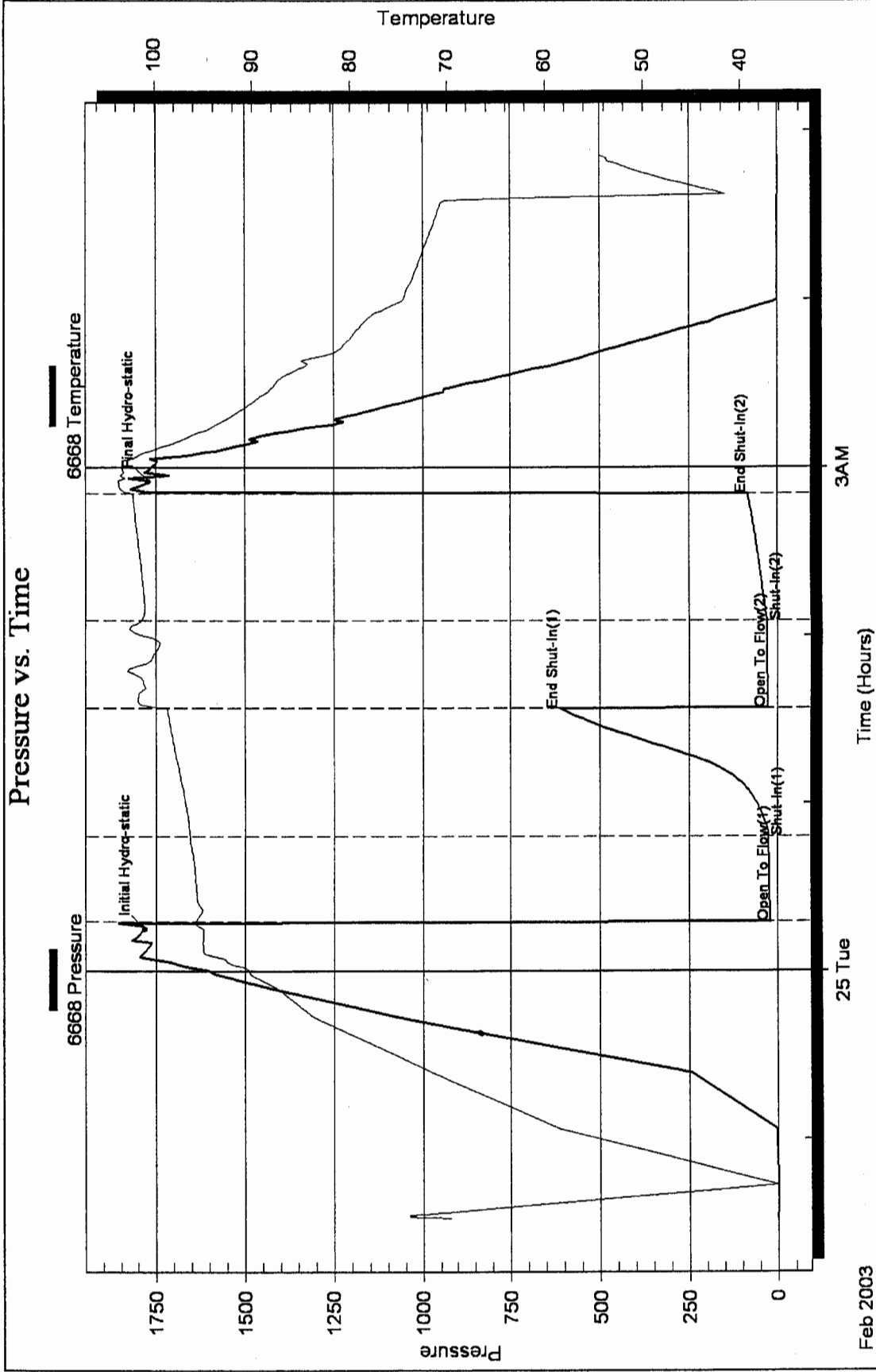
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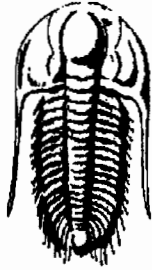
Inside

Downing-Nelson Oil CO Inc

25-13s-21w Trego

DST Test Number: 3





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

RECEIVED

SEP 10 2003

Prepared For: **Downing-Nelson Oil CO Inc KCC WICHITA**

P O Box 372
Hays Ks 67601

ATTN: Ron Nelson

25-13s-21w Trego

Schneller #1-25

Start Date: 2003.02.26 @ 00:50:34

End Date: 2003.02.26 @ 08:39:33

Job Ticket #: 16910 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

101633



DRILL STEM TEST REPORT

Dow ning-Nelson Oil CO Inc
 P O Box 372
 Hays Ks 67601
 ATTN: Ron Nelson

Schneller #1-25
25-13s-21w Trego
 Job Ticket: 16910 **DST#: 4**
 Test Start: 2003.02.26 @ 00:50:34

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 02:50:03
 Time Test Ended: 08:39:33

Test Type: **Conventional Bottom Hole**
 Tester: **Ray Schwager**
 Unit No: **16**

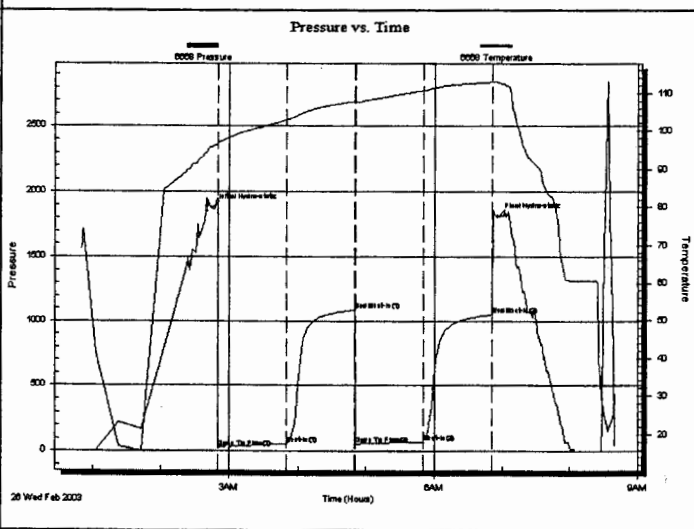
Interval: **3882.00 ft (KB) To 3930.00 ft (KB) (TVD)**
 Total Depth: **3930.00 ft (KB) (TVD)**
 Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2289.00 ft (KB)**
2280.00 ft (CF)
 KB to GR/CF: **9.00 ft**

Serial #: 6668 **Inside**

Press@RunDepth: **68.76 psig @ 3895.01 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2003.02.26** End Date: **2003.02.26** Last Calib.: **2003.02.26**
 Start Time: **00:50:34** End Time: **08:39:33** Time On Btm: **2003.02.26 @ 02:44:33**
 Time Off Btm: **2003.02.26 @ 06:55:33**

TEST COMMENT: IFF-w kbl thru-out 1/2" to 3 bl
 FFP-w k bl thru-out 1" to 3" bl
 Times 60-60-60-60



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1877.84	95.79	Initial Hydro-static
6	22.35	96.89	Open To Flow (1)
65	51.65	102.84	Shut-In(1)
126	1085.88	107.84	End Shut-In(1)
127	53.14	107.65	Open To Flow (2)
186	68.76	110.58	Shut-In(2)
246	1049.20	112.88	End Shut-In(2)
251	1811.18	112.77	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	SO&GCM 3%gas 5%oil 92%mud	0.57
50.00	O&GCM 5%gas 10%oil 85%mud	0.70
5.00	Clean Oil	0.07
0.00	245 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

Schneller #1-25

P O Box 372
Hays Ks 67601

25-13s-21w Trego

Job Ticket: 16910

DST#: 4

ATTN: Ron Nelson

Test Start: 2003.02.26 @ 00:50:34

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: 70000.00 lb
			<u>Total Volume: 54.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3882.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.02 ft			
Tool Length:	69.02 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			3862.00	
Shut In Tool	5.00			3867.00	
Hydraulic tool	5.00			3872.00	
Packer	5.00			3877.00	21.00 Bottom Of Top Packer
Packer	5.00			3882.00	
Stubb	1.00			3883.00	
Perforations	11.00			3894.00	
Change Over Sub	1.00			3895.00	
Recorder	0.01	6668	Inside	3895.01	
Blank Spacing	31.00			3926.01	
Change Over Sub	1.00			3927.01	
Recorder	0.01	11085	Outside	3927.02	
Bullnose	3.00			3930.02	48.02 Bottom Packers & Anchor

Total Tool Length: 69.02

101633

 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	Schneller #1-25 25-13s-21w Trego Job Ticket: 16910 DST#: 4 Test Start: 2003.02.26 @ 00:50:34	

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: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.15 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

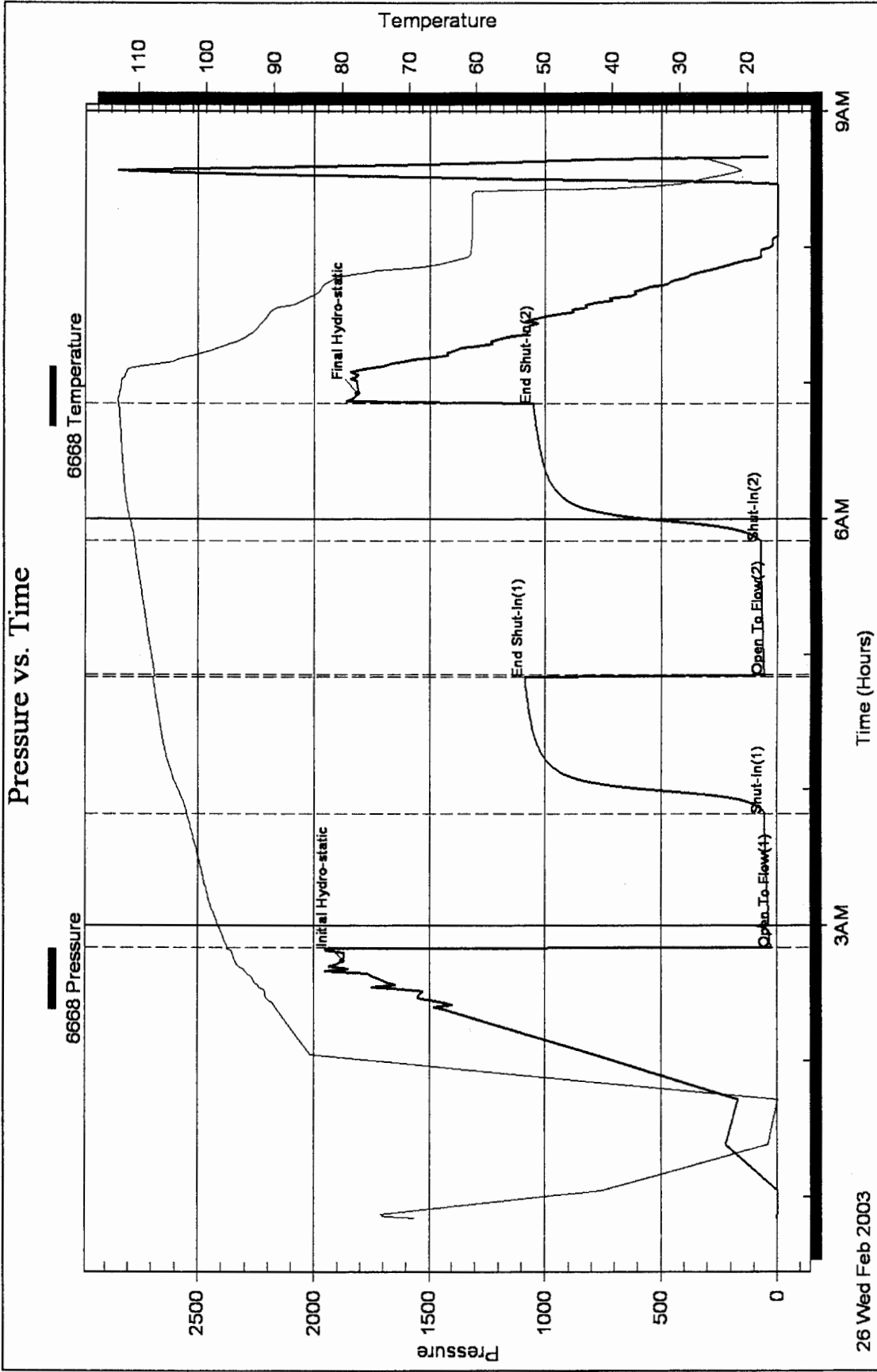
Length ft	Description	Volume bbl
60.00	SO&GCM 3%gas 5%oil 92%mud	0.568
50.00	O&GCM 5%gas 10%oil 85%mud	0.701
5.00	Clean Oil	0.070
0.00	245 GIP	0.000

Total Length: 115.00 ft Total Volume: 1.339 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:



26 Wed Feb 2003