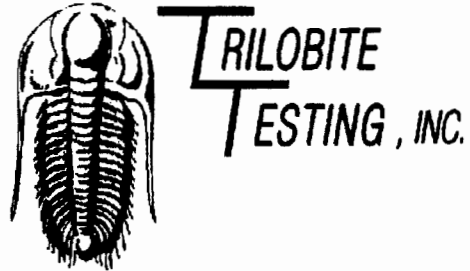


API # 15-195-22418-00-00



DRILL STEM TEST REPORT

Prepared For: **Downing Nelson Oil CO**

Box 372
Hays KS 67601

ATTN: Ron Nelson

35 13 21 Trego KS

Cleghorn # 1-35

Start Date: 2007.01.17 @ 21:55:09

End Date: 2007.01.18 @ 04:50:24

Job Ticket #: 25949 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Downing Nelson Oil CO

Cleghorn # 1-35

Box 372
Hays KS 67601

35 13 21 Trego KS

Job Ticket: 25949

DST#: 1

ATTN: Ron Nelson

Test Start: 2007.01.17 @ 21:55:09

GENERAL INFORMATION:

Formation: C LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:59:19

Time Test Ended: 04:50:24

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: 3668.00 ft (KB) To 3697.00 ft (KB) (TVD)

Total Depth: 3697.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2323.00 ft (KB)

2315.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6741

Inside

Press@RunDepth: 337.89 psig @ 3669.00 ft (KB)

Start Date: 2007.01.17

End Date:

2007.01.18

Start Time: 21:55:11

End Time:

04:50:24

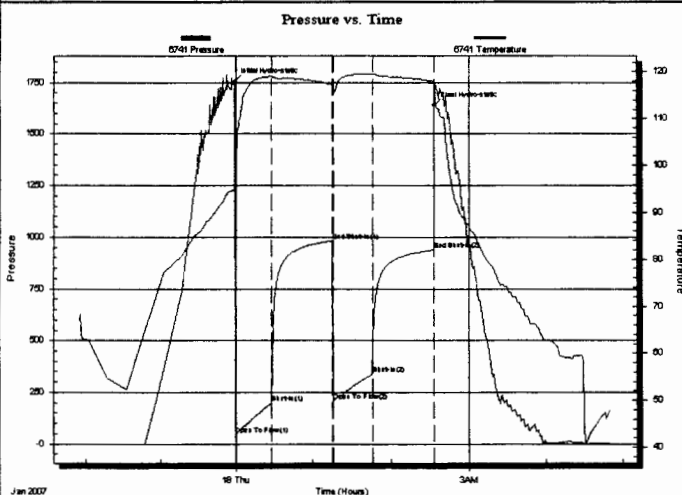
Capacity: 7000.00 psig

Last Calib.: 2007.01.18

Time On Btm: 2007.01.17 @ 23:59:09

Time Off Btm: 2007.01.18 @ 02:32:39

TEST COMMENT: IF Strong B-B in 3 min
ISI Weak building to 8"
FF Strong B-B in 3 min
FSI Weak building to 6"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1754.39	94.83	Initial Hydro-static
1	45.06	94.53	Open To Flow (1)
30	198.11	119.01	Shut-In(1)
76	981.87	117.26	End Shut-In(1)
77	207.83	116.41	Open To Flow(2)
107	337.89	119.46	Shut-In(2)
154	938.14	117.95	End Shut-In(2)
154	1637.91	117.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
430.00	Wtr	31.84
125.00	Frothy O	1.75
185.00	CGsyO 20%G 80%O	2.60
0.00	1300 GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing Nelson Oil CO

Cleghorn # 1-35

Box 372
Hays KS 67601

35 13 21 Trego KS

Job Ticket: 25949

DST#: 1

ATTN: Ron Nelson

Test Start: 2007.01.17 @ 21:55:09

Tool Information

Drill Pipe:	Length: 3634.00 ft	Diameter: 3.80 inches	Volume: 50.98 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: 30.00 ft	Diameter: 30.00 inches	Volume: 26.23 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	77.21 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3668.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	29.00 ft				
Tool Length:	50.00 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			3648.00	
Shut In Tool	5.00			3653.00	
Hydraulic tool	5.00			3658.00	
Packer	5.00			3663.00	21.00 Bottom Of Top Packer
Packer	5.00			3668.00	
Stubb	1.00			3669.00	
Recorder	0.00	6741	Inside	3669.00	
Perforations	25.00			3694.00	
Recorder	0.00	13254	Outside	3694.00	
Bullnose	3.00			3697.00	29.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil CO

Cleghorn # 1-35

Box 372
Hays KS 67601

35 13 21 Trego KS

Job Ticket: 25949

DST#: 1

ATTN: Ron Nelson

Test Start: 2007.01.17 @ 21:55:09

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

70000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
430.00	Wtr	31.839
125.00	Frothy O	1.753
185.00	CGsyO 20%G 80%O	2.595
0.00	1300 GIP	0.000

Total Length: 740.00 ft

Total Volume: 36.187 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

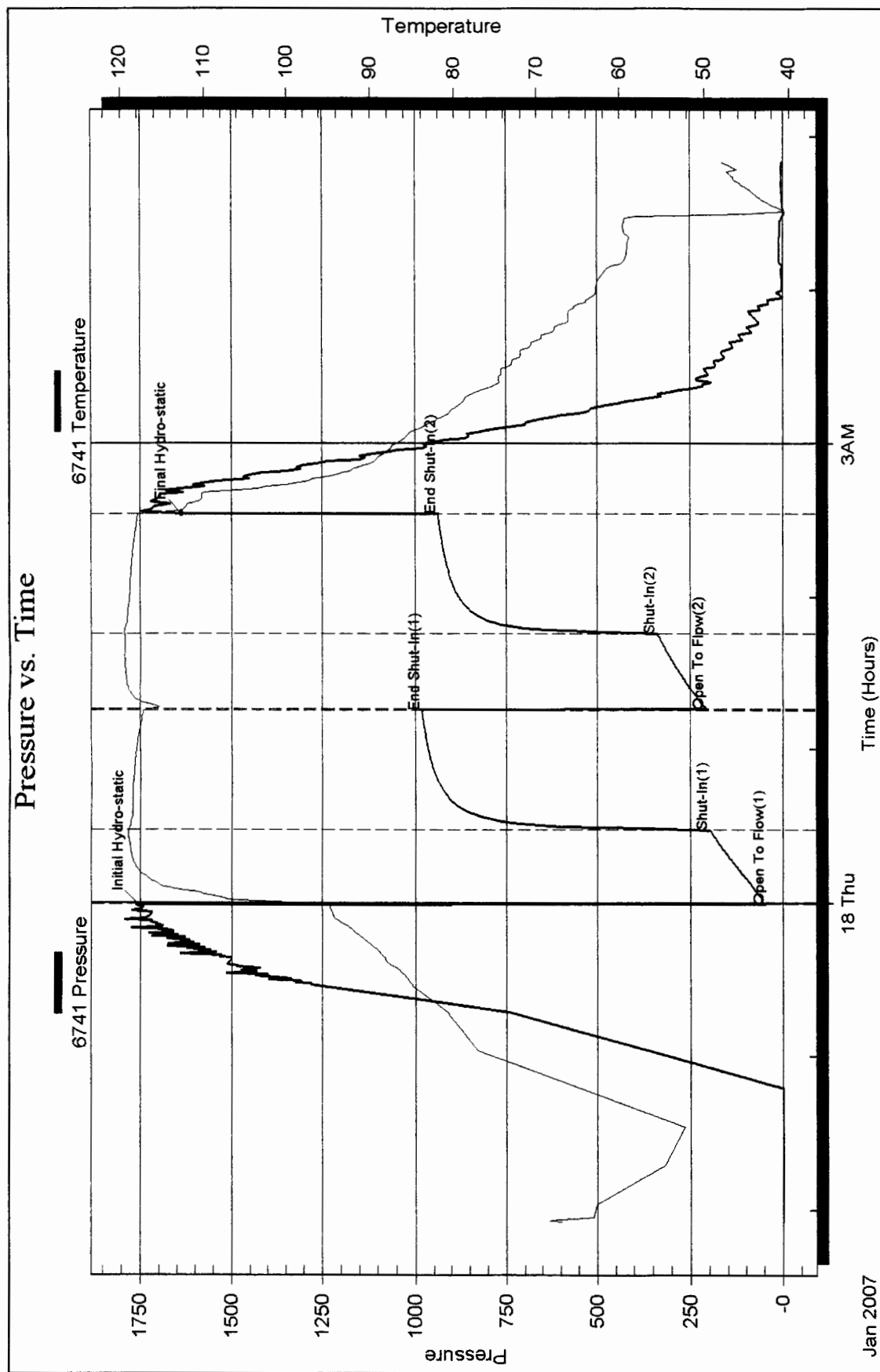
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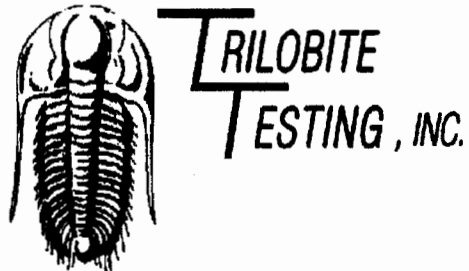
Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .08 @ 80 = 70000ppm

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Downing Nelson Oil CO**

Box 372
Hays KS 67601

ATTN: Ron Nelson

35 13 21 Trego KS

Cleghorn # 1-35

Start Date: 2007.01.19 @ 04:13:48

End Date: 2007.01.19 @ 11:38:33

Job Ticket #: 25950 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Downing Nelson Oil CO

Box 372
Hays KS 67601

ATTN: Ron Nelson

Cleghorn # 1-35

35 13 21 Trego KS

Job Ticket: 25950

DST#: 2

Test Start: 2007.01.19 @ 04:13:48

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:11:58

Time Test Ended: 11:38:33

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: **3970.00 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: 2323.00 ft (KB)

2315.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6741 Inside

Press@RunDepth: 165.61 psig @ 3971.00 ft (KB)

Start Date: 2007.01.19

End Date:

2007.01.19

Start Time: 04:13:50

End Time:

11:38:33

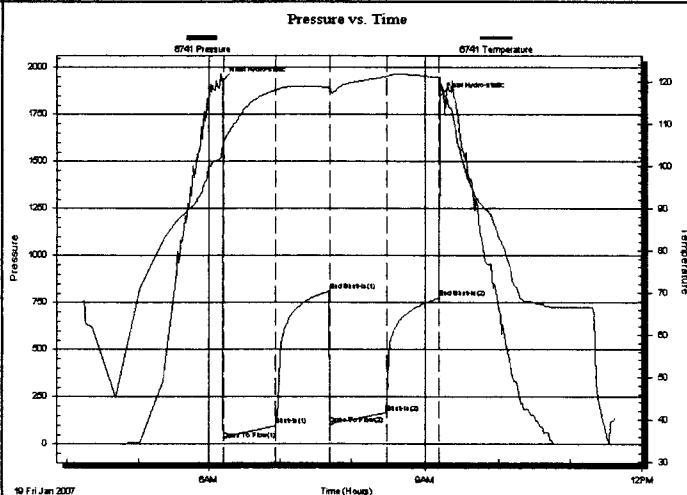
Capacity: 7000.00 psig

Last Calib.: 2007.01.19

Time On Btm: 2007.01.19 @ 06:11:38

Time Off Btm: 2007.01.19 @ 09:12:03

TEST COMMENT: IF Strong B-B in 12 min
ISI Weak steady surface blow
FF Strong B-B in 7 min
FSI Weak steady surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1928.13	104.49	Initial Hydro-static
1	23.62	104.28	Open To Flow (1)
45	97.92	117.91	Shut-In(1)
90	811.50	118.58	End Shut-In(1)
91	101.78	118.24	Open To Flow (2)
137	165.61	121.12	Shut-In(2)
180	776.66	120.96	End Shut-In(2)
181	1850.25	121.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MCGsyO 10%G 70%O 20%M	27.49
310.00	CGsyO 10%G 90%O	4.35
0.00	430 GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing Nelson Oil CO

Cleghorn # 1-35

Box 372
Hays KS 67601

35 13 21 Trego KS

Job Ticket: 25950

DST#: 2

ATTN: Ron Nelson

Test Start: 2007.01.19 @ 04:13:48

Tool Information

Drill Pipe:	Length: 3943.00 ft	Diameter: 3.80 inches	Volume: 55.31 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: 30.00 ft	Diameter: 30.00 inches	Volume: 26.23 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	81.54 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3970.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	56.00 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			3950.00	
Shut In Tool	5.00			3955.00	
Hydraulic tool	5.00			3960.00	
Packer	5.00			3965.00	21.00 Bottom Of Top Packer
Packer	5.00			3970.00	
Stubb	1.00			3971.00	
Recorder	0.00	6741	Inside	3971.00	
Perforations	31.00			4002.00	
Recorder	0.00	13254	Outside	4002.00	
Bullnose	3.00			4005.00	35.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil CO

Cleghorn # 1-35

Box 372
Hays KS 67601

35 13 21 Trego KS

Job Ticket: 25950

DST#: 2

ATTN: Ron Nelson

Test Start: 2007.01.19 @ 04:13:48

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MCGsyO 10%G 70%O 20%M	27.491
310.00	CGsyO 10%G 90%O	4.348
0.00	430 GIP	0.000

Total Length: 430.00 ft

Total Volume: 31.839 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

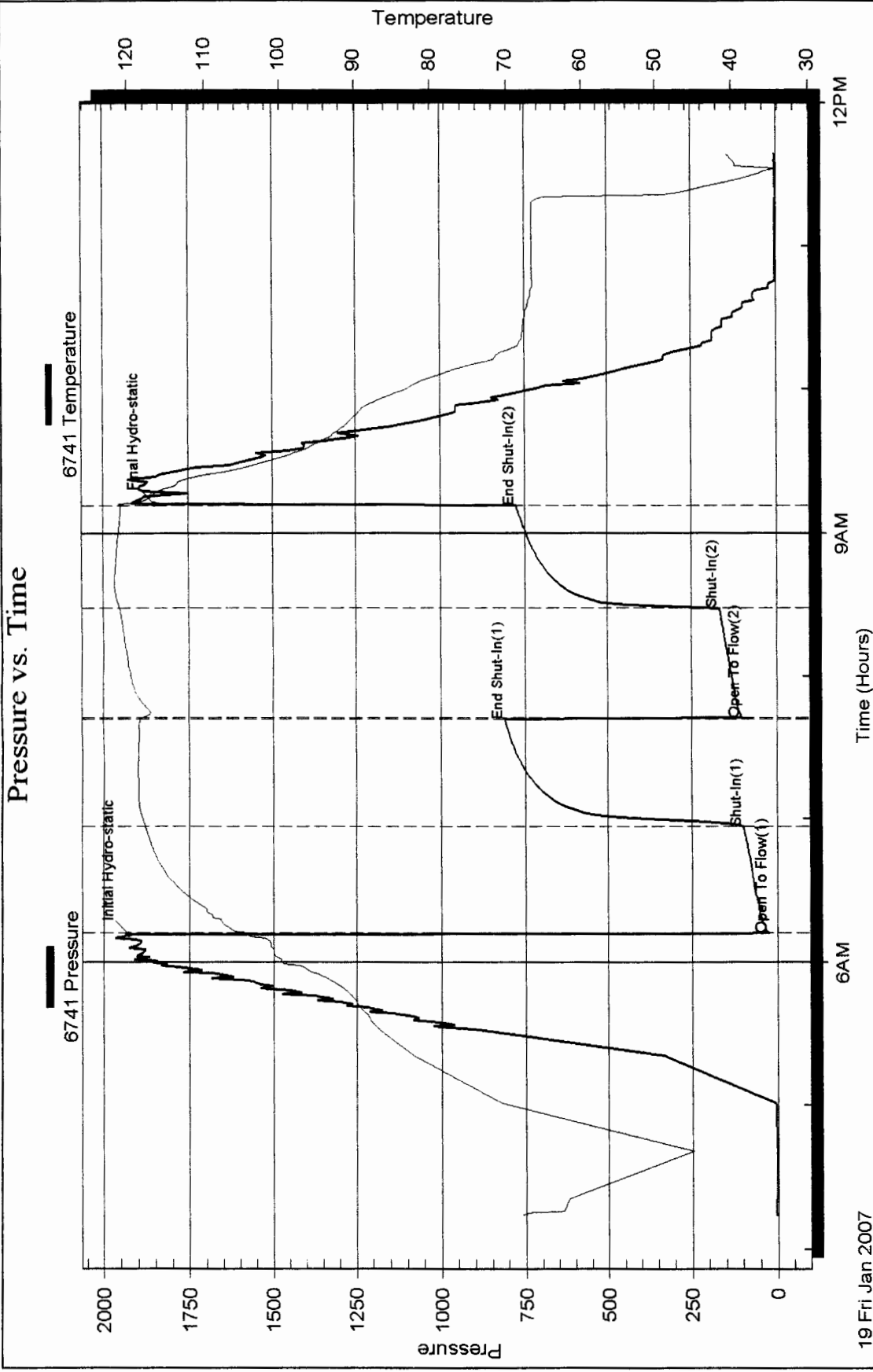
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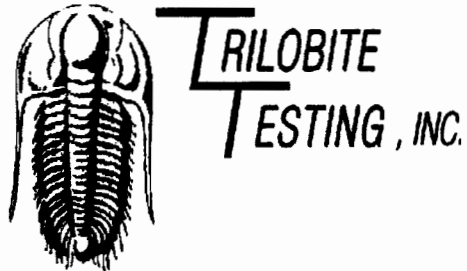
Inside

Downing Nelson Oil CO

35 13 21 Trego KS

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Downing Nelson Oil CO**

Box 372
Hays KS 67601

ATTN: Ron Nelson

35 13 21 Trego KS

Cleghorn # 1-35

Start Date: 2007.01.19 @ 19:07:26

End Date: 2007.01.20 @ 00:47:11

Job Ticket #: 27551 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Downing Nelson Oil CO

Box 372
Hays KS 67601

ATTN: Ron Nelson

Cleghorn # 1-35

35 13 21 Trego KS

Job Ticket: 27551

DST#: 3

Test Start: 2007.01.19 @ 19:07:26

GENERAL INFORMATION:

Formation: **Cherokee Sd**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:17:36

Time Test Ended: 00:47:11

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: **3995.00 ft (KB) To 4035.00 ft (KB) (TVD)**

Total Depth: 4035.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2323.00 ft (KB)

2315.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6741 Inside

Press@RunDepth: 24.80 psig @ 3996.00 ft (KB)

Start Date: 2007.01.19

End Date:

2007.01.20

Start Time: 19:07:28

End Time:

00:47:11

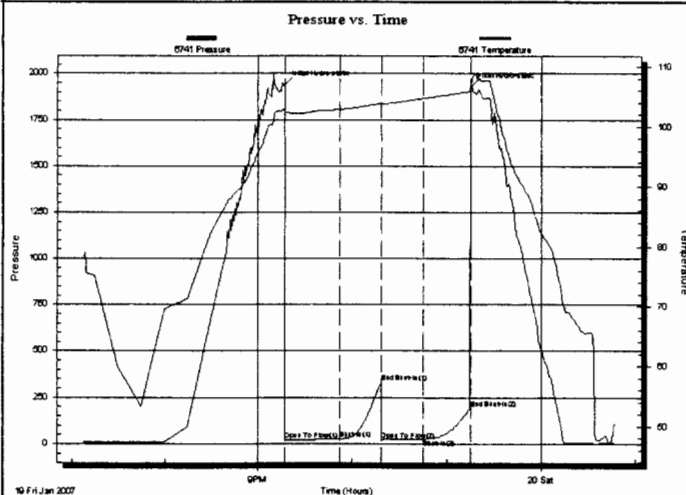
Capacity: 7000.00 psig

Last Calib.: 2007.01.20

Time On Btm: 2007.01.19 @ 21:17:26

Time Off Btm: 2007.01.19 @ 23:15:26

TEST COMMENT: IF Weak steady surface blow
FF No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1938.19	102.82	Initial Hydro-static
1	18.75	102.34	Open To Flow (1)
35	23.74	102.83	Shut-In(1)
62	330.62	103.85	End Shut-In(1)
62	19.78	103.71	Open To Flow (2)
88	24.80	104.69	Shut-In(2)
118	193.42	105.86	End Shut-In(2)
118	1928.30	106.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	DM	4.37

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing Nelson Oil CO

Cleghorn # 1-35

Box 372
Hays KS 67601

35 13 21 Trego KS

Job Ticket: 27551

DST#: 3

ATTN: Ron Nelson

Test Start: 2007.01.19 @ 19:07:26

Tool Information

Drill Pipe:	Length: 3973.00 ft	Diameter: 3.80 inches	Volume: 55.73 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: 30.00 ft	Diameter: 30.00 inches	Volume: 26.23 bbl	Weight to Pull Loose: 72000.00 lb
		Total Volume: 81.96 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3995.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	61.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3975.00	
Shut In Tool	5.00			3980.00	
Hydraulic tool	5.00			3985.00	
Packer	5.00			3990.00	21.00 Bottom Of Top Packer
Packer	5.00			3995.00	
Stubb	1.00			3996.00	
Recorder	0.00	6741	Inside	3996.00	
Perforations	36.00			4032.00	
Recorder	0.00	13254	Outside	4032.00	
Bullnose	3.00			4035.00	40.00 Bottom Packers & Anchor
Total Tool Length:	61.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil CO

Cleghorn # 1-35

Box 372
Hays KS 67601

35 13 21 Trego KS

Job Ticket: 27551

DST#: 3

ATTN: Ron Nelson

Test Start: 2007.01.19 @ 19:07:26

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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 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
5.00	DM	4.371

Total Length: 5.00 ft Total Volume: 4.371 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6741

Inside

Dow ning Nelson Oil CO

35 13 21 Trego KS

DST Test Number: 3

