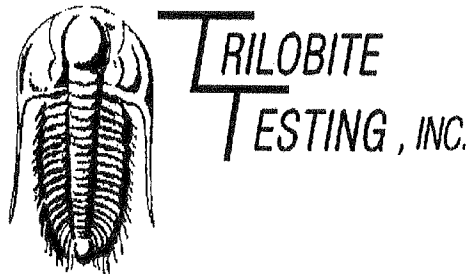


15-195-22475

35-145-21w



DRILL STEM TEST REPORT

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

PO Box 372
Hays K 67601-0372

ATTN: Ron Nelson

35 14 21 Trego KS

Irene # 1-35

Start Date: 2007.07.20 @ 18:27:11

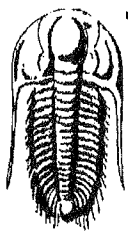
End Date: 2007.07.21 @ 00:54:41

Job Ticket #: 28656 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

TOOL DIAGRAM

Downing-Nelson Oil Co Inc

Irene # 1-35

PO Box 372
Hays K 67601-0372

35 14 21 Trego KS

Job Ticket: 28656

DST#: 1

ATTN: Ron Nelson

Test Start: 2007.07.20 @ 18:27:11

Tool Information

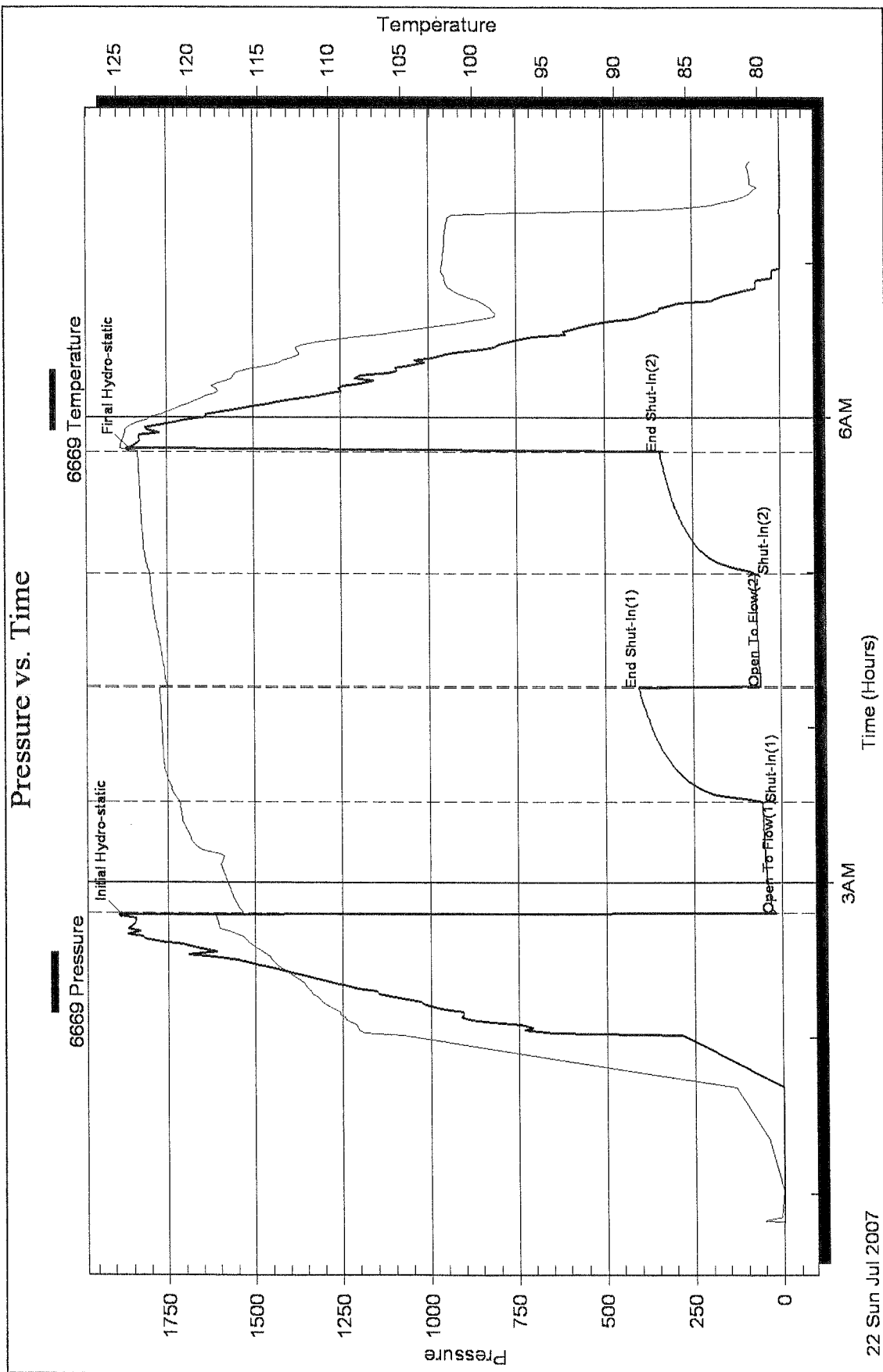
Drill Pipe:	Length: 3369.00 ft	Diameter: 3.80 inches	Volume: 47.26 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 44000.00 lb
		Total Volume: 47.41 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3392.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	102.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

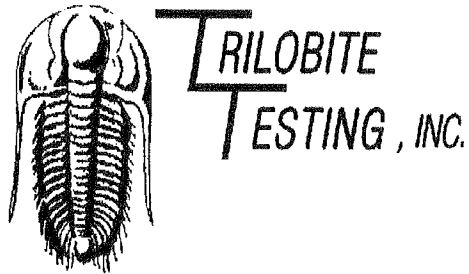
Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3373.00	
Shut In Tool	5.00			3378.00	
Hydraulic tool	5.00			3383.00	
Packer	4.00			3387.00	20.00 Bottom Of Top Packer
Packer	5.00			3392.00	
Stubb	1.00			3393.00	
Perforations	1.00			3394.00	
Change Over Sub	1.00			3395.00	
Recorder	0.00	6669	Inside	3395.00	
Blank Spacing	62.00			3457.00	
Change Over Sub	1.00			3458.00	
Recorder	0.00	13308	Outside	3458.00	
Perforations	13.00			3471.00	
Bullnose	3.00			3474.00	82.00 Bottom Packers & Anchor

Total Tool Length: 102.00

Pressure vs. Time





DRILL STEM TEST REPORT

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

PO Box 372
Hays K 67601-0372

ATTN: Ron Nelson

35 14 21 Trego KS

Irene # 1-35

Start Date: 2007.07.22 @ 00:48:59

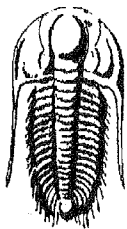
End Date: 2007.07.22 @ 07:39:29

Job Ticket #: 28657 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 Inc

PO Box 372
Hays KS 67601-0372

ATTN: Ron Nelson

Irene # 1-35

35 14 21 Trego KS

Job Ticket: 28657

DST#: 2

Test Start: 2007.07.22 @ 00:48:59

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:47:59

Time Test Ended: 07:39:29

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: 3778.00 ft (KB) To 3826.00 ft (KB) (TVD)

Total Depth: 3826.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2082.00 ft (KB)

2074.00 ft (CF)

KB to GRVCF: 8.00 ft

Serial #: 6669

Inside

Press@RunDepth: 72.85 psig @ 3781.00 ft (KB)

Start Date: 2007.07.22

End Date:

2007.07.22

Start Time: 00:49:04

End Time:

07:39:28

Capacity: 7000.00 psig

Last Calib.: 2007.07.22

Time On Btm: 2007.07.22 @ 02:47:29

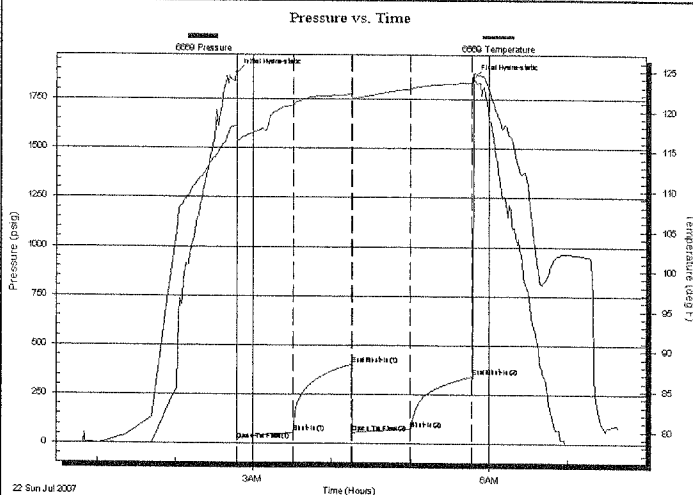
Time Off Btm: 2007.07.22 @ 05:47:59

TEST COMMENT: IF Weak to good built to 7 "

ISI Dead

FF Weak built to 3 "

FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1883.20	118.24	Initial Hydro-static
1	17.20	116.22	Open To Flow (1)
44	55.02	120.71	Shut-In(1)
88	403.51	122.09	End Shut-In(1)
89	56.28	121.55	Open To Flow (2)
132	72.85	122.75	Shut-In(2)
179	341.80	123.58	End Shut-In(2)
181	1858.84	124.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
123.00	OSM 2%O 98%M	1.45
2.00	Clean Oil	0.03

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 Inc

Irene # 1-35

PO Box 372
Hays K 67601-0372

35 14 21 Trego KS

Job Ticket: 28657

DST#: 2

ATTN: Ron Nelson

Test Start: 2007.07.22 @ 00:48:59

Tool Information

Drill Pipe:	Length: 3748.00 ft	Diameter: 3.80 inches	Volume: 52.57 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	45000.00 lb
		Total Volume:	52.72 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3778.00 ft			Final	41000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	48.00 ft				
Tool Length:	68.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

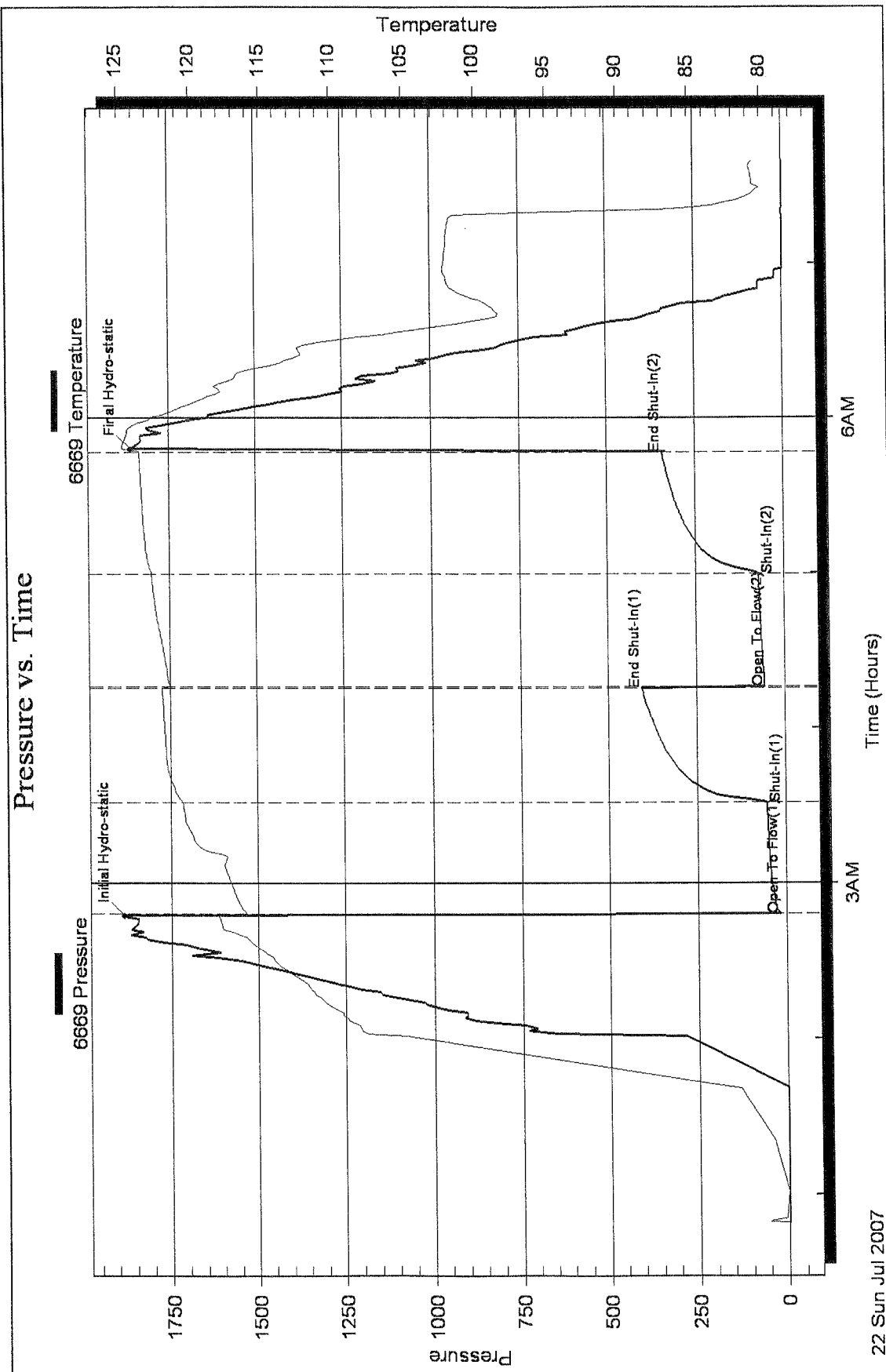
Tool Comments:

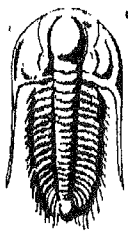
Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3759.00	
Shut In Tool	5.00			3764.00	
Hydraulic tool	5.00			3769.00	
Packer	4.00			3773.00	20.00 Bottom Of Top Packer
Packer	5.00			3778.00	
Stubb	1.00			3779.00	
Perforations	1.00			3780.00	
Change Over Sub	1.00			3781.00	
Recorder	0.00	6669	Inside	3781.00	
Blank Spacing	31.00			3812.00	
Change Over Sub	1.00			3813.00	
Recorder	0.00	13308	Outside	3813.00	
Perforations	10.00			3823.00	
Bullnose	3.00			3826.00	48.00 Bottom Packers & Anchor

Total Tool Length: 68.00

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning-Nelson Oil Co Inc

Irene # 1-35

PO Box 372
Hays KS 67601-0372

35 14 21 Trego KS

Job Ticket: 28657

DST#: 2

ATTN: Ron Nelson

Test Start: 2007.07.22 @ 00:48:59

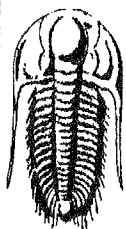
Tool Information

Drill Pipe:	Length: 3748.00 ft	Diameter: 3.80 inches	Volume: 52.57 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	45000.00 lb
		Total Volume:	52.72 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3778.00 ft			Final	41000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	48.00 ft				
Tool Length:	68.00 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			3759.00	
Shut In Tool	5.00			3764.00	
Hydraulic tool	5.00			3769.00	
Packer	4.00			3773.00	20.00 Bottom Of Top Packer
Packer	5.00			3778.00	
Stubb	1.00			3779.00	
Perforations	1.00			3780.00	
Change Over Sub	1.00			3781.00	
Recorder	0.00	6669	Inside	3781.00	
Blank Spacing	31.00			3812.00	
Change Over Sub	1.00			3813.00	
Recorder	0.00	13308	Outside	3813.00	
Perforations	10.00			3823.00	
Bullnose	3.00			3826.00	48.00 Bottom Packers & Anchor

Total Tool Length: 68.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co Inc

Irene # 1-35

PO Box 372
Hays KS 67601-0372

35 14 21 Trego KS

Job Ticket: 28657

DST#: 2

ATTN: Ron Nelson

Test Start: 2007.07.22 @ 00:48:59

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 47.00 sec/qt

Water Loss: 9.39 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	OSM 2%O 98%M	1.452
2.00	Clean Oil	0.028

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:

Pressure vs. Time

