



## DRILL STEM TEST REPORT

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

PO Box 1019  
Hays KS 67601

ATTN: Marc Downing

**Marvin Saxton #2-18**

**18-20s-20w Pawnee,KS**

Start Date: 2012.01.29 @ 08:30:07

End Date: 2012.01.29 @ 14:38:07

Job Ticket #: 46858                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.01 @ 13:07:44



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Downing-Nelson Oil Co. Inc.

**18-20s-20w Pawnee, KS**

PO Box 1019  
Hays KS 67601

**Marvin Saxton #2-18**

ATTN: Marc Downing

Job Ticket: 46858

**DST#: 1**

Test Start: 2012.01.29 @ 08:30:07

## GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:49:37

Time Test Ended: 14:38:07

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

**Interval: 4290.00 ft (KB) To 4356.00 ft (KB) (TVD)**

Reference Elevations: 2211.00 ft (KB)

Total Depth: 4356.00 ft (KB) (TVD)

2203.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6753 Inside**

Press @ Run Depth: 36.49 psig @ 4291.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.29

End Date:

2012.01.29

Last Calib.:

2012.01.29

Start Time: 08:30:12

End Time:

14:38:06

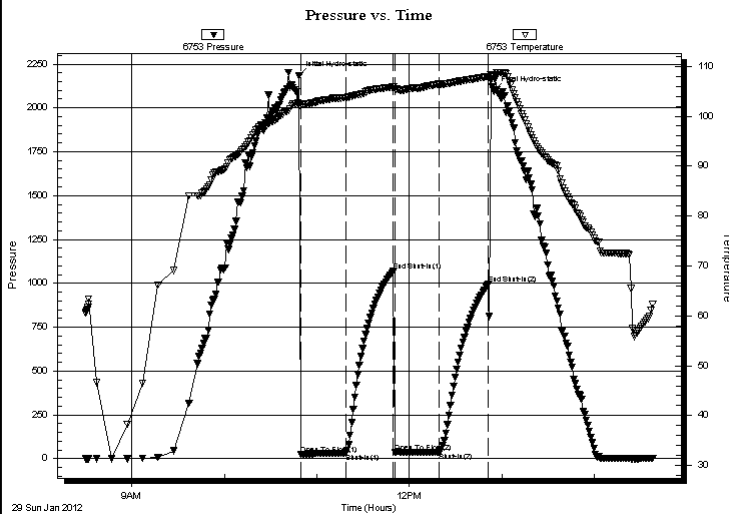
Time On Btm:

2012.01.29 @ 10:48:37

Time Off Btm:

2012.01.29 @ 12:54:37

**TEST COMMENT:** IF-3/4" blow  
IS-No blow  
FF-Very weak surface blow  
FS-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2185.18	102.55	Initial Hydro-static
1	24.97	101.86	Open To Flow (1)
30	31.00	103.69	Shut-In(1)
61	1071.94	105.87	End Shut-In(1)
62	35.93	105.52	Open To Flow (2)
91	36.49	106.45	Shut-In(2)
123	994.92	107.97	End Shut-In(2)
126	2096.73	108.18	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	VSOCM 5%O 95%M	0.15

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Downing-Nelson Oil Co. Inc.

**18-20s-20w Pawnee,KS**

PO Box 1019  
Hays KS 67601

**Marvin Saxton #2-18**

Job Ticket: 46858

**DST#: 1**

ATTN: Marc Downing

Test Start: 2012.01.29 @ 08:30:07

## Tool Information

Drill Pipe:	Length: 4266.00 ft	Diameter: 3.80 inches	Volume: 59.84 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - 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:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4290.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	66.00 ft				
Tool Length:	94.00 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			4263.00	
Shut In Tool	5.00			4268.00	
Hydraulic tool	5.00			4273.00	
Jars	5.00			4278.00	
Safety Joint	2.00			4280.00	
Packer	5.00			4285.00	28.00 Bottom Of Top Packer
Packer	5.00			4290.00	
Stubb	1.00			4291.00	
Recorder	0.00	6753	Inside	4291.00	
Recorder	0.00	8319	Outside	4291.00	
Perforations	4.00			4295.00	
Change Over Sub	1.00			4296.00	
Drill Pipe	31.00			4327.00	
Change Over Sub	1.00			4328.00	
Perforations	25.00			4353.00	
Bullnose	3.00			4356.00	66.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>94.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Downing-Nelson Oil Co. Inc.

**18-20s-20w Pawnee,KS**

PO Box 1019  
Hays KS 67601

**Marvin Saxton #2-18**

Job Ticket: 46858

**DST#: 1**

ATTN: Marc Downing

Test Start: 2012.01.29 @ 08:30:07

## 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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4600.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	VSOCM 5%O 95%M	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:

Serial #: 6753

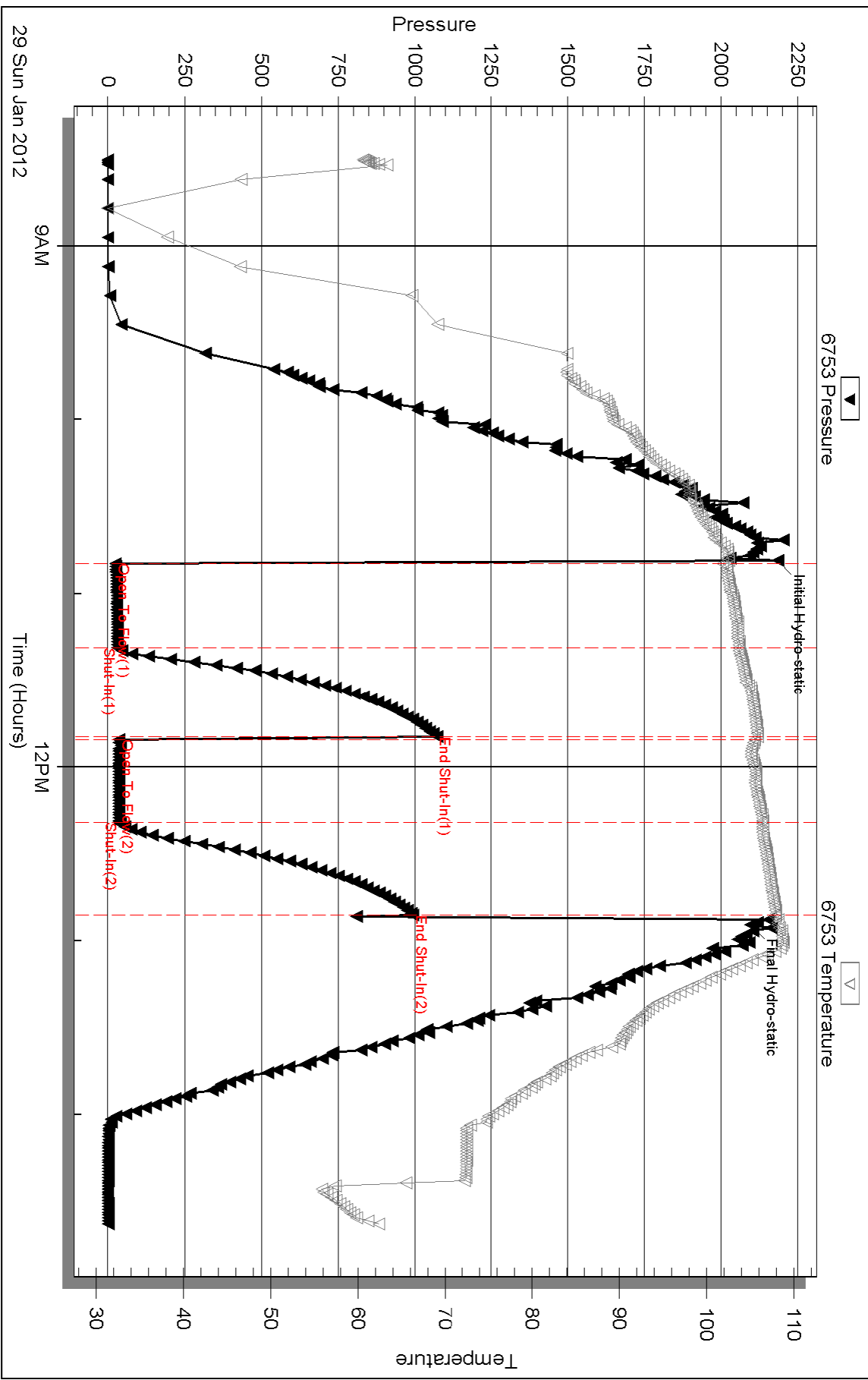
Inside

Downing-Nelson Oil Co. Inc.

Marvin Saxton #2-18

DST Test Number: 1

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 46858

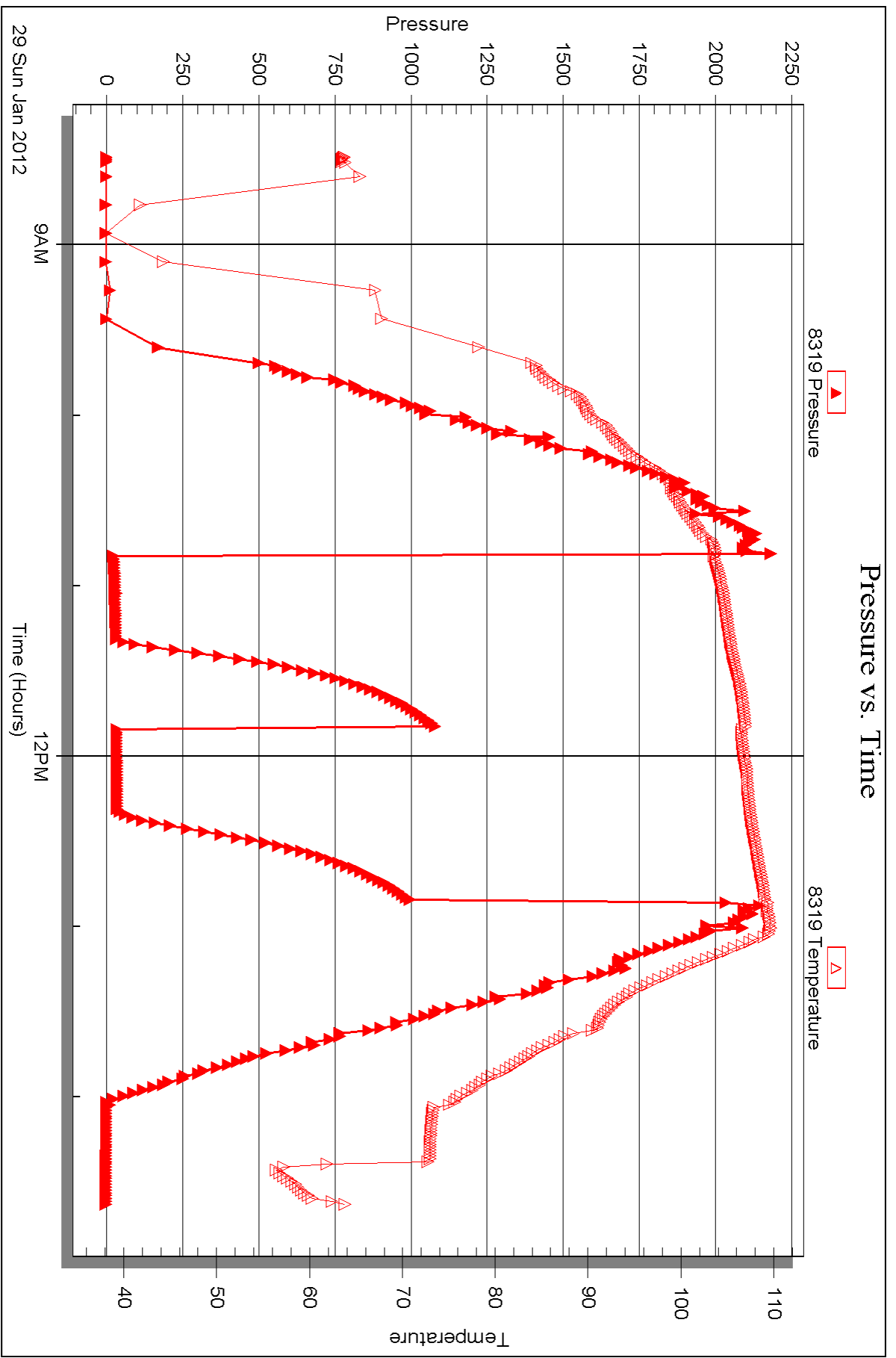
Printed: 2012.02.01 @ 13:07:46

Serial #: 8319

Outside Dow nting-Nelson Oil Co. Inc.

Marvin Saxton #2-18

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 46858

Printed: 2012.02.01 @ 13:07:47



## DRILL STEM TEST REPORT

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

PO Box 1019  
Hays KS 67601

ATTN: Marc Downing

**Marvin Saxton #2-18**

**18-20s-20w Pawnee,KS**

Start Date: 2012.01.29 @ 21:15:40

End Date: 2012.01.30 @ 03:47:10

Job Ticket #: 46859                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.01 @ 13:06:29





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Downing-Nelson Oil Co. Inc.

**18-20s-20w Pawnee, KS**

PO Box 1019  
Hays KS 67601

**Marvin Saxton #2-18**

Job Ticket: 46859

**DST#: 2**

ATTN: Marc Downing

Test Start: 2012.01.29 @ 21:15:40

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:03:40

Time Test Ended: 03:47:10

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

**Interval: 4353.00 ft (KB) To 4371.00 ft (KB) (TVD)**

Reference Elevations: 2211.00 ft (KB)

Total Depth: 4371.00 ft (KB) (TVD)

2203.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6753 Inside**

Press @ Run Depth: 31.99 psig @ 4354.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.29

End Date:

2012.01.30

Last Calib.: 2012.01.30

Start Time: 21:15:45

End Time:

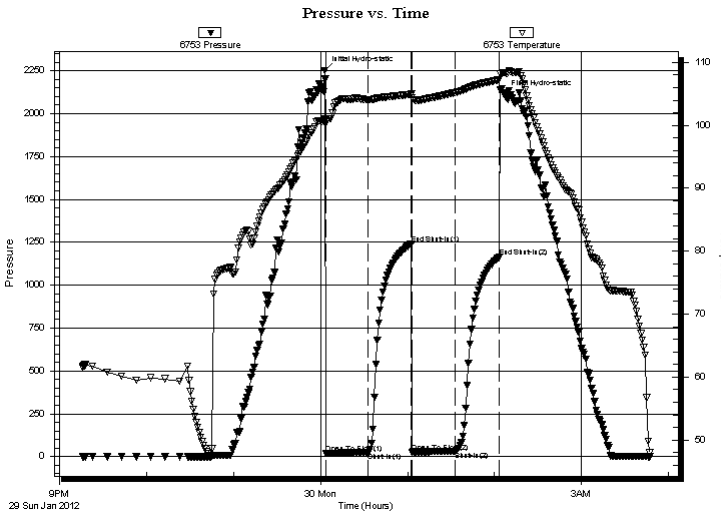
03:47:09

Time On Btm: 2012.01.30 @ 00:02:40

Time Off Btm: 2012.01.30 @ 02:06:40

**TEST COMMENT:** IF-Very weak surface blow  
IS-No blow  
FF-Very weak surface blow  
FS-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2252.12	101.03	Initial Hydro-static
1	20.18	100.30	Open To Flow (1)
30	24.28	104.08	Shut-In(1)
60	1241.22	104.95	End Shut-In(1)
61	27.75	104.46	Open To Flow (2)
91	31.99	105.23	Shut-In(2)
121	1162.55	107.24	End Shut-In(2)
124	2110.50	108.36	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	VSOCM 5%O 95%M	0.07

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Downing-Nelson Oil Co. Inc.

**18-20s-20w Pawnee,KS**

PO Box 1019  
Hays KS 67601

**Marvin Saxton #2-18**

Job Ticket: 46859

**DST#: 2**

ATTN: Marc Downing

Test Start: 2012.01.29 @ 21:15:40

## Tool Information

Drill Pipe:	Length: 4324.00 ft	Diameter: 3.80 inches	Volume: 60.65 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - 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: 52000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4353.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	46.00 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			4326.00	
Shut In Tool	5.00			4331.00	
Hydraulic tool	5.00			4336.00	
Jars	5.00			4341.00	
Safety Joint	2.00			4343.00	
Packer	5.00			4348.00	28.00 Bottom Of Top Packer
Packer	5.00			4353.00	
Stubb	1.00			4354.00	
Recorder	0.00	6753	Inside	4354.00	
Recorder	0.00	8319	Outside	4354.00	
Perforations	14.00			4368.00	
Bullnose	3.00			4371.00	18.00 Bottom Packers & Anchor

**Total Tool Length: 46.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Downing-Nelson Oil Co. Inc.

**18-20s-20w Pawnee,KS**

PO Box 1019  
Hays KS 67601

**Marvin Saxton #2-18**

Job Ticket: 46859

**DST#: 2**

ATTN: Marc Downing

Test Start: 2012.01.29 @ 21:15:40

## 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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4600.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	VSOCM 5%O 95%M	0.074

Total Length: 15.00 ft      Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

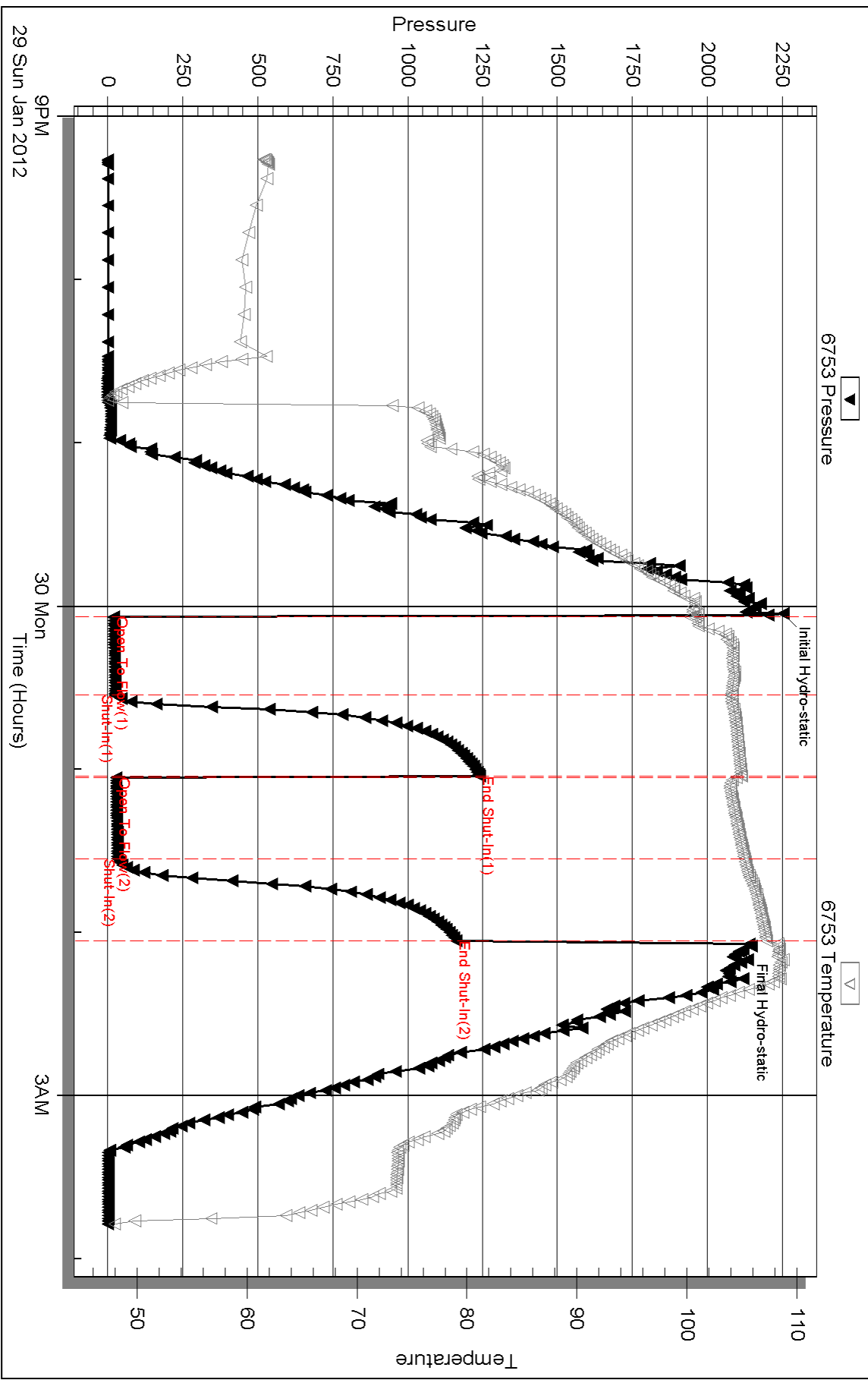
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

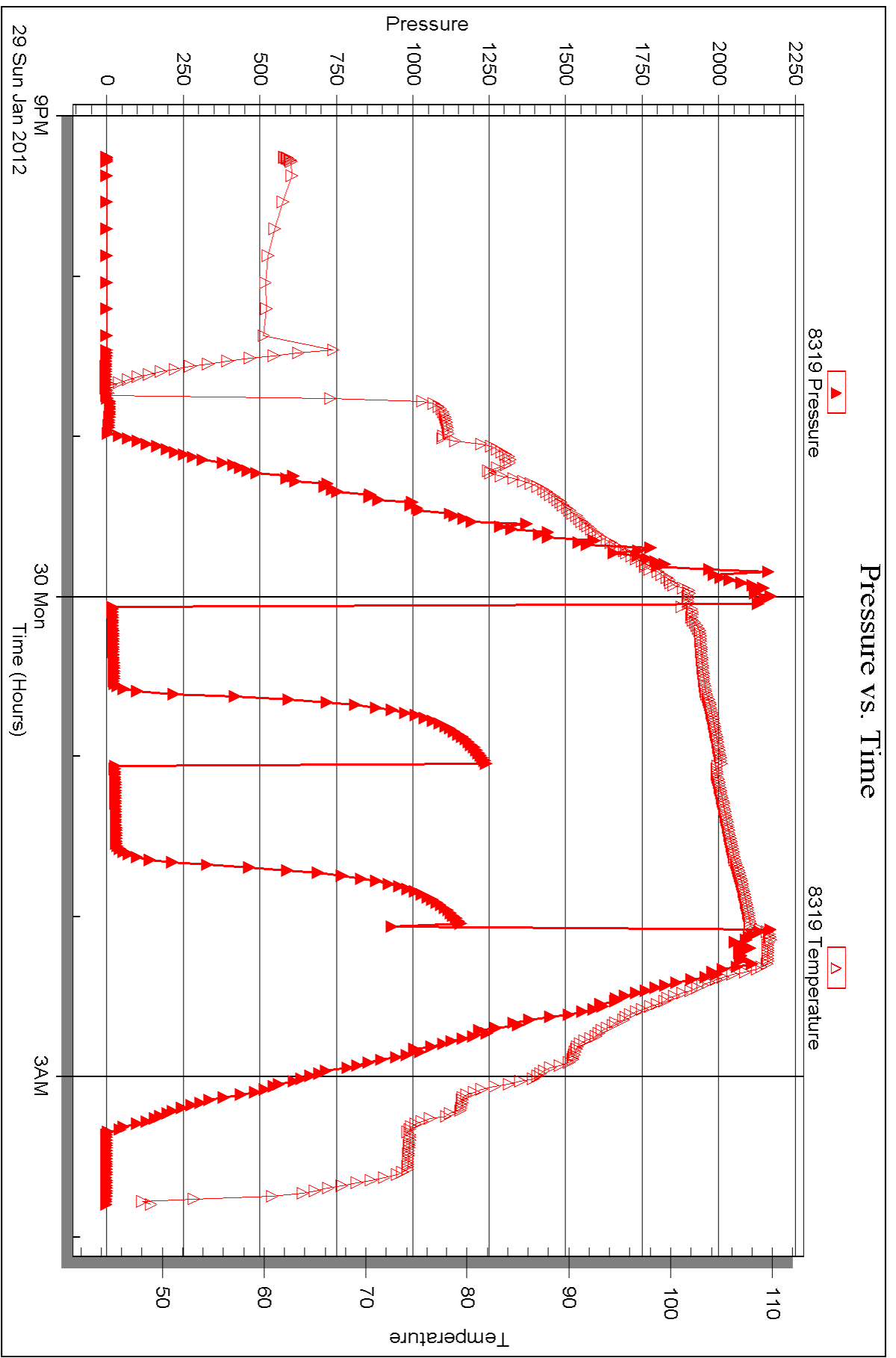


Serial #: 8319

Outside Dow nung-Nelson Oil Co. Inc.

Marvin Saxton #2-18

DST Test Number: 2





## DRILL STEM TEST REPORT

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

PO Box 1019  
Hays KS 67601

ATTN: Marc Downing

**Marvin Saxton #2-18**

**18-20s-20w Pawnee,KS**

Start Date: 2012.01.30 @ 21:45:55

End Date: 2012.01.31 @ 04:30:10

Job Ticket #: 46860                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.01 @ 13:05:11



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Downing-Nelson Oil Co. Inc.

**18-20s-20w Pawnee, KS**

PO Box 1019  
Hays KS 67601

**Marvin Saxton #2-18**

ATTN: Marc Downing

Job Ticket: 46860

**DST#: 3**

Test Start: 2012.01.30 @ 21:45:55

## GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:56:55

Time Test Ended: 04:30:10

Test Type: Conventional Straddle (Initial)

Tester: Brett Dickinson

Unit No: 59

**Interval: 4365.00 ft (KB) To 4380.00 ft (KB) (TVD)**

Reference Elevations: 2211.00 ft (KB)

Total Depth: 4500.00 ft (KB) (TVD)

2203.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 6755 Outside**

Press @ Run Depth: 1135.19 psig @ 4376.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.30

End Date: 2012.01.31

Last Calib.: 2012.01.31

Start Time: 21:45:57

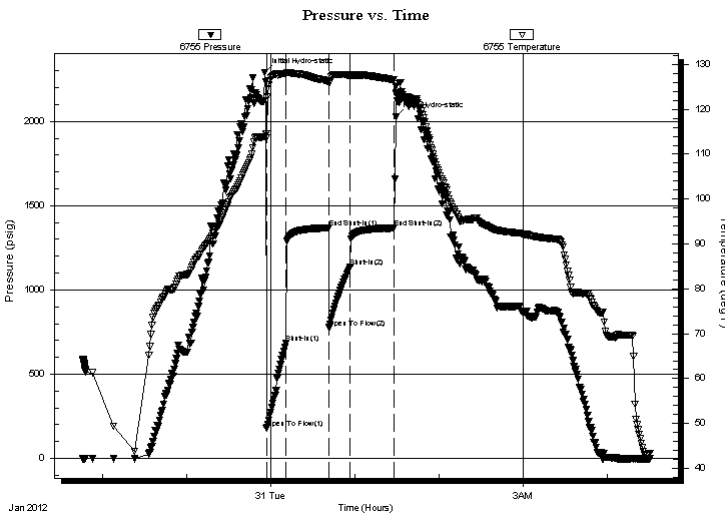
End Time: 04:30:10

Time On Btm: 2012.01.30 @ 23:55:40

Time Off Btm: 2012.01.31 @ 01:29:10

**TEST COMMENT:** IF-BOB in 1 min  
ISI-No blow  
FF-BOB in 1 min  
FSI-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2290.82	113.90	Initial Hydro-static
2	179.10	113.67	Open To Flow (1)
16	684.98	128.01	Shut-In (1)
46	1368.21	126.24	End Shut-In (1)
46	776.40	125.92	Open To Flow (2)
61	1135.19	127.61	Shut-In (2)
93	1367.45	126.55	End Shut-In (2)
94	2026.33	123.72	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1885.00	water	26.17
300.00	VSO CW 2%O 98%W	4.21
120.00	VSO WCM 5%O 40%W 55%M	1.68
120.00	VSO WCM 5%O 5%W 90%M	1.68

## Gas Rates

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









**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Downing-Nelson Oil Co. Inc.

**18-20s-20w Pawnee,KS**

PO Box 1019  
Hays KS 67601

**Marvin Saxton #2-18**

Job Ticket: 46860

**DST#: 3**

ATTN: Marc Downing

Test Start: 2012.01.30 @ 21:45:55

## Tool Information

Drill Pipe:	Length: 4353.00 ft	Diameter: 3.80 inches	Volume: 61.06 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - 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: 80000.00 lb
			Total Volume: - bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	50.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4365.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	4380.00 ft			
Interval between Packers:	15.00 ft			
Tool Length:	167.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	5.00			4338.00	
Shut In Tool	5.00			4343.00	
Hydraulic tool	5.00			4348.00	
Jars	5.00			4353.00	
Safety Joint	2.00			4355.00	
Packer	5.00			4360.00	32.00 Bottom Of Top Packer
Packer	5.00			4365.00	
Stubb	1.00			4366.00	
Perforations	10.00			4376.00	
Recorder	0.00	8289	Inside	4376.00	
Recorder	0.00	6755	Outside	4376.00	
Blank Off Sub	1.00			4377.00	
Blank Spacing	3.00			4380.00	15.00 Tool Interval
Packer	1.00			4381.00	
Perforations	21.00			4402.00	
Change Over Sub	1.00			4403.00	
Recorder	0.00	8736	Below	4403.00	
Blank Spacing	93.00			4496.00	
Change Over Sub	1.00			4497.00	
Bullnose	3.00			4500.00	120.00 Bottom Packers & Anchor

**Total Tool Length: 167.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Downing-Nelson Oil Co. Inc.

**18-20s-20w Pawnee,KS**

PO Box 1019  
Hays KS 67601

**Marvin Saxton #2-18**

Job Ticket: 46860 **DST#: 3**

ATTN: Marc Downing

Test Start: 2012.01.30 @ 21:45:55

## 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: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.37 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1885.00	water	26.168
300.00	VSOCW 2%O 98%W	4.208
120.00	VSOWCM 5%O 40%W 55%M	1.683
120.00	VSOWCM 5%O 5%W 90%M	1.683

Total Length: 2425.00 ft      Total Volume: 33.742 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

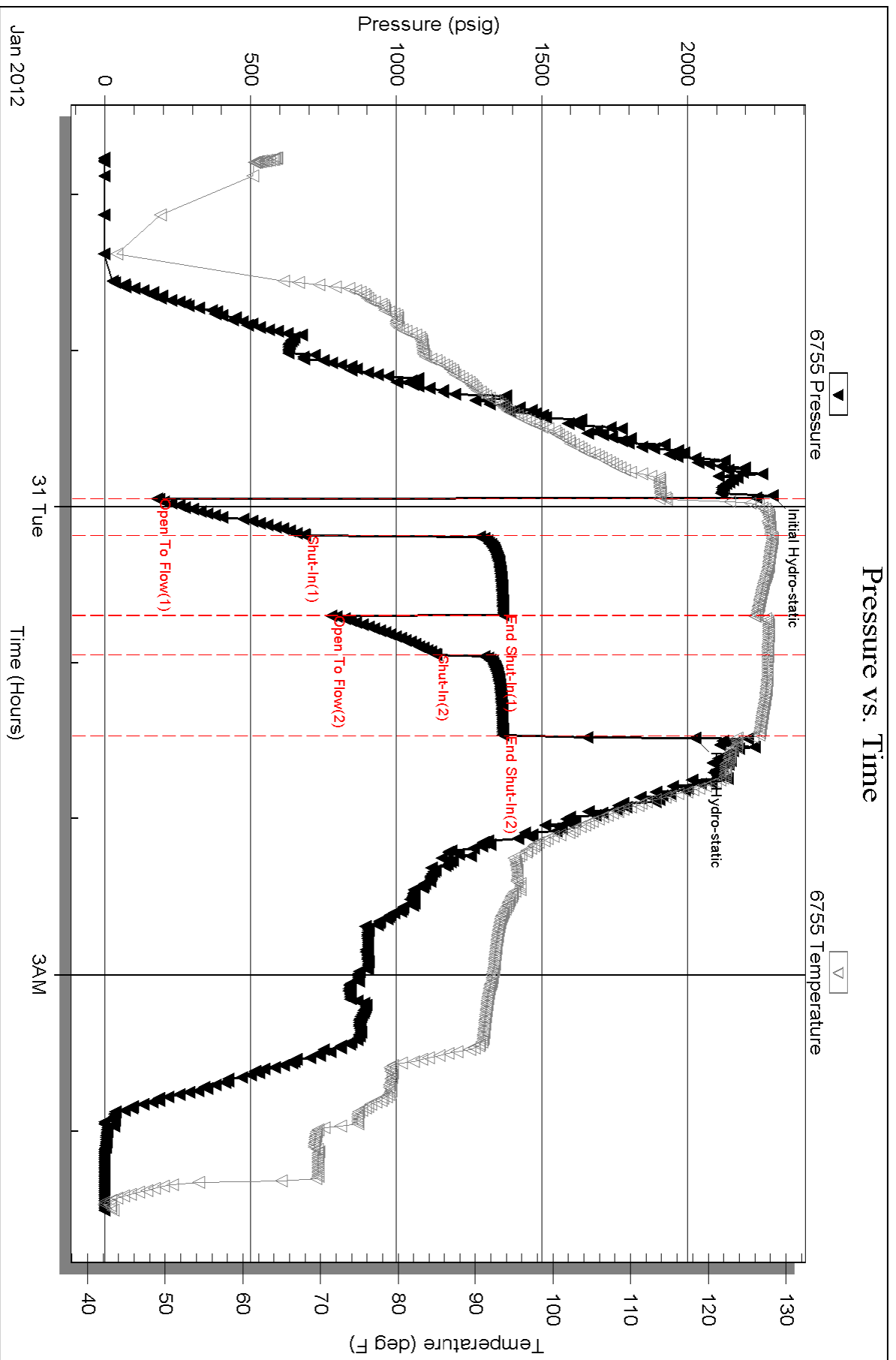
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

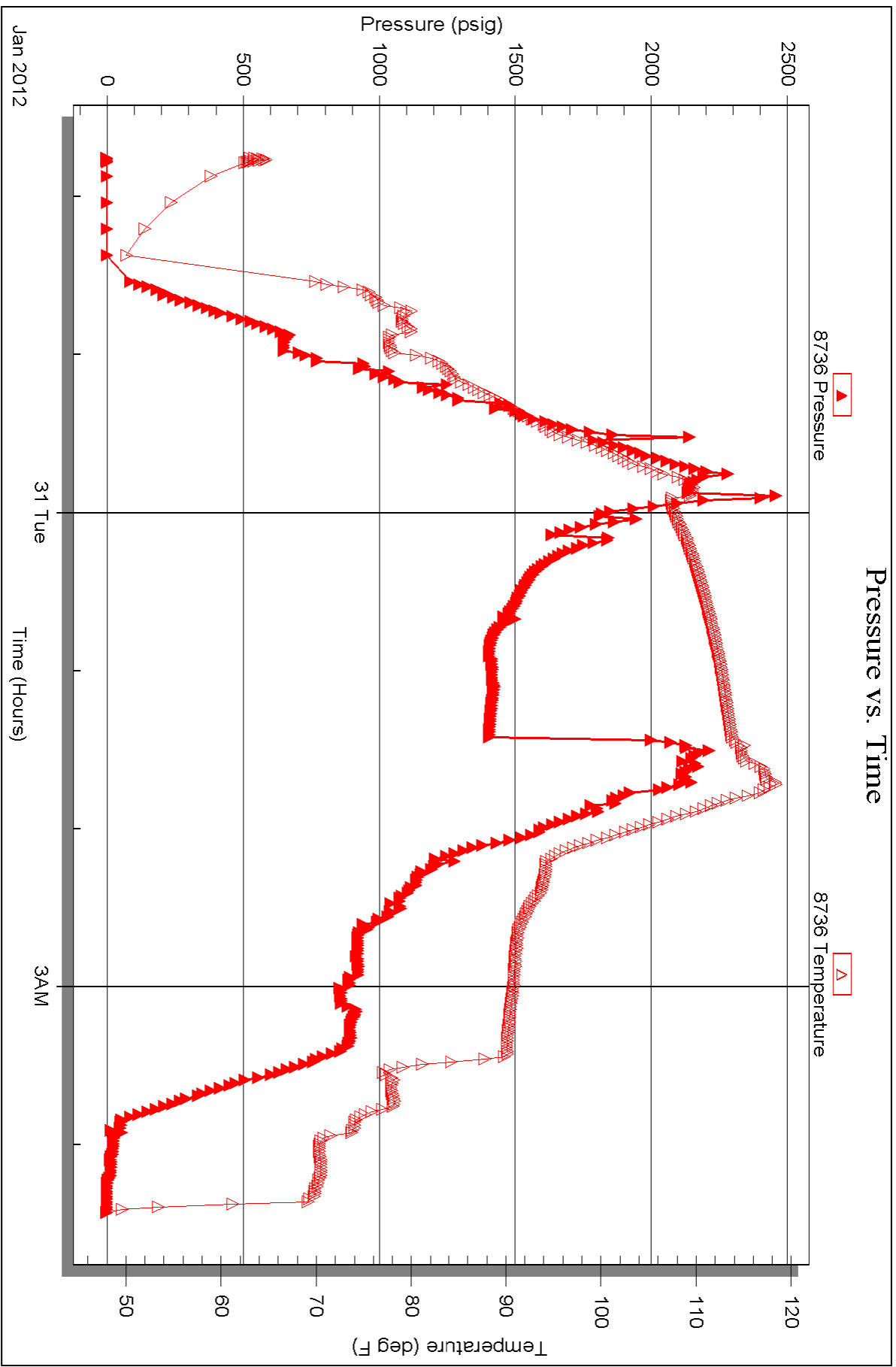


Serial #: 8736

Below (Stratton) - Nelson Oil Co. Inc.

Marvin Saxton #2-18

DST Test Number: 3



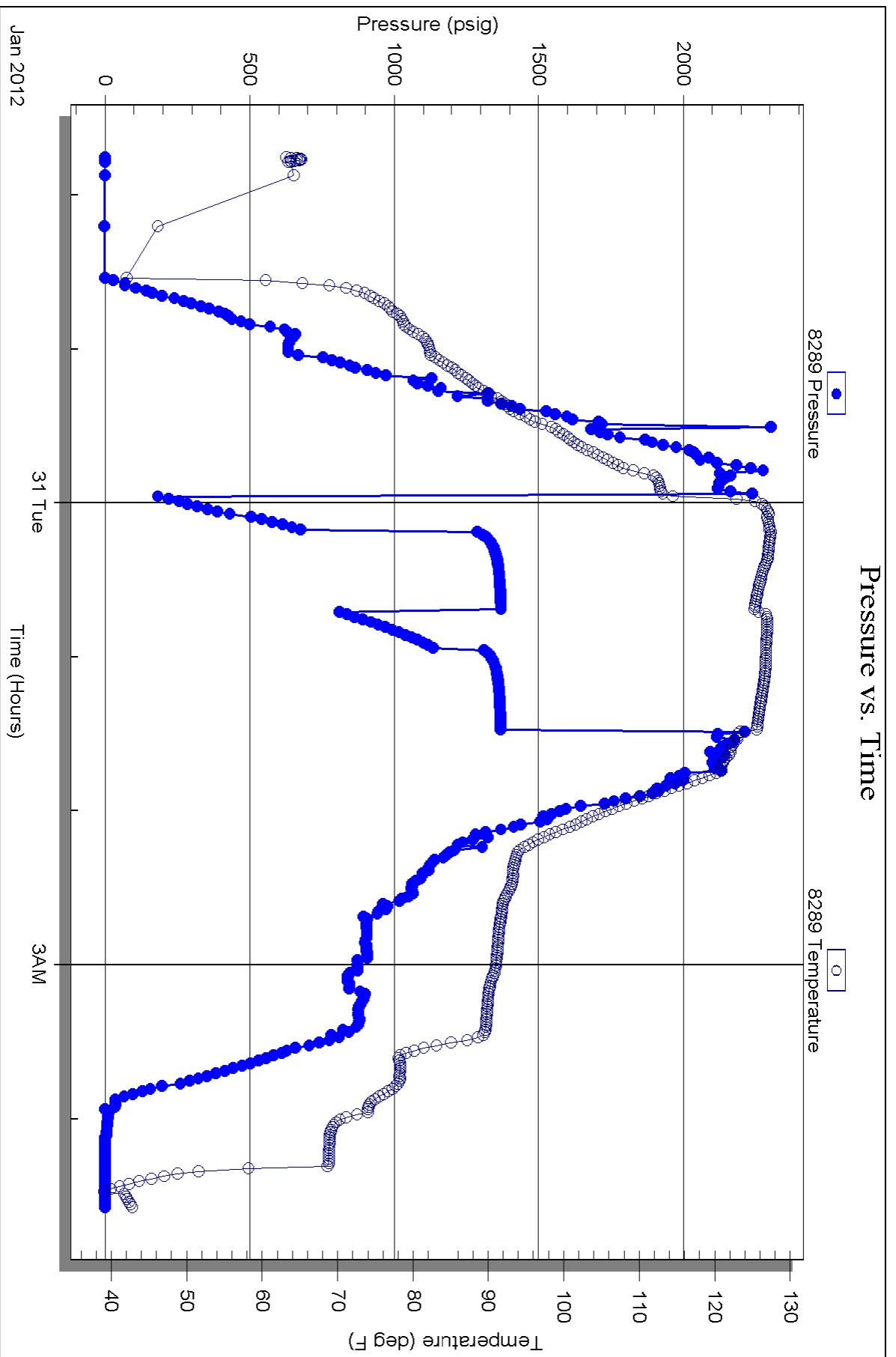
Serial #: 8289

Inside

Dow nung-Nelson Oil Co. Inc.

Marvin Saxton #2-18

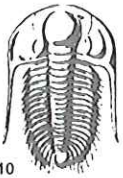
DST Test Number: 3



Triobite Testing, Inc

Ref. No: 46860

Printed: 2012.02.01 @ 13:05:15



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
JAN 31 2012

## Test Ticket

NO. 46858

4/10

BY: \_\_\_\_\_

Well Name & No. Marvin Saxton 2-18 Test No. 1 Date 1/29/12  
 Company Downing-Nelson Oil Co Inc. Elevation 2211 KB 2203 GL  
 Address PO Box 1019 Hays KS 67601  
 Co. Rep / Geo. Marc Downing Rig Discovery #14  
 Location: Sec. 18 Twp. 20 Rge. 20 Co. Pawnee State KS

Interval Tested 4290-4356 Zone Tested Miss.  
 Anchor Length 66 Drill Pipe Run 4266 Mud Wt. 9.2  
 Top Packer Depth 4285 Drill Collars Run 30 Vis 53  
 Bottom Packer Depth 4290 Wt. Pipe Run — WL 8.0  
 Total Depth 4356 Chlorides 4,600 ppm System LCM 1.5<sup>TH</sup>  
 Blow Description IF - 3/4 in blow  
ISF - No blow  
FF - very weak surface blow  
FSF - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>vsocm</u>	<u>5</u>		<u>95</u>	
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

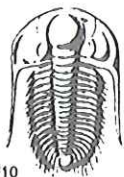
Rec Total 30 BHT 108 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2,185  Test 1225' T-On Location 7:40  
 (B) First Initial Flow 25  Jars 250' T-Started 8:30  
 (C) First Final Flow 31  Safety Joint 75' T-Open 10:45  
 (D) Initial Shut-In 6,072  Circ Sub \_\_\_\_\_ T-Pulled 12:45  
 (E) Second Initial Flow 36  Hourly Standby \_\_\_\_\_ T-Out 14:40  
 (F) Second Final Flow 36  Mileage 55 x 2 154' Comments \_\_\_\_\_  
 (G) Final Shut-In 995  Sampler \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 (H) Final Hydrostatic 2,097  Straddle \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Recorder \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1704' Total 1704'  
 Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
JAN 31 2012

## Test Ticket

NO. 46859

4/10

Well Name & No. Marvin Saxton #2-18 BY: \_\_\_\_\_ Test No. 2 Date 1/29/12  
 Company Downing-Nelson Oil Co Inc. Elevation 2211 KB 2203 GL \_\_\_\_\_  
 Address PO Box 1019 Hays KS 67601  
 Co. Rep / Geo. Marc Downing Rig Discovery #4  
 Location: Sec. 18 Twp. 20 Rge. 20 Co. Pawnee State KS

Interval Tested 4353-4371 Zone Tested MISS  
 Anchor Length 18 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.2  
 Top Packer Depth 4348 Drill Collars Run 30 Vis 53  
 Bottom Packer Depth 4353 Wt. Pipe Run \_\_\_\_\_ WL 8.0  
 Total Depth 4371 Chlorides 4600 ppm System \_\_\_\_\_ LCM 1 1/2  
 Blow Description IF - very weak surface blow  
ISL - No blow  
FF - very weak surface blow  
FSL - No blow

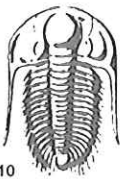
Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>VSOCM</u>	<u>5</u>		<u>95</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15 BHT 107 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2,252  Test 1225 T-On Location 19:30  
 (B) First Initial Flow 20  Jars 250 T-Started ~~00:10~~ 21:15  
 (C) First Final Flow 24  Safety Joint 75 T-Open 00:10  
 (D) Initial Shut-In 1,241  Circ Sub \_\_\_\_\_ T-Pulled 2:10  
 (E) Second Initial Flow 28  Hourly Standby \_\_\_\_\_ T-Out 3:50  
 (F) Second Final Flow 32  Mileage 53x2 154 Comments \_\_\_\_\_  
 (G) Final Shut-In 1,163  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2,111  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 30  Day Standby \_\_\_\_\_ Total 1704  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1704

Approved By \_\_\_\_\_ Our Representative Burd

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# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
JAN 31 2012  
BY: \_\_\_\_\_

## Test Ticket

NO. 46860

Well Name & No. Marvin Saxton #12-18 Test No. 3 Date 1/30/12  
 Company Downing-Nelson Oil Co Inc. Elevation 2211 KB 2203 GL  
 Address PO Box 1019 Hays KS 67601  
 Co. Rep / Geo. Marc Downing Rig Discovery #4  
 Location: Sec. 18 Twp. 20 Rge. 20 Co. Pawnee State KS

Interval Tested 4365-4380 Zone Tested Miss.  
 Anchor Length 15 Drill Pipe Run 4357 Mud Wt. 9.2  
 Top Packer Depth 4360, 4365 Drill Collars Run 30 Vis 59  
 Bottom Packer Depth 4380 Wt. Pipe Run — WL 10.4  
 Total Depth 4500 Chlorides \_\_\_\_\_ ppm System LCM \_\_\_\_\_  
 Blow Description IF - BOB in 1min  
ISF - No blow  
FF - BOB in 1min  
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>VSO wcm</u>		<u>5</u>	<u>5</u>	<u>90</u>
<u>120</u>	<u>VSO wcm</u>		<u>5</u>	<u>40</u>	<u>55</u>
<u>300</u>	<u>VSO wcm</u>		<u>3</u>	<u>98</u>	
<u>1885</u>	<u>water</u>				
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2425 BHT 126 Gravity \_\_\_\_\_ API RW 45 @ 35 °F Chlorides 32,000 ppm

(A) Initial Hydrostatic <u>2291</u>	<input checked="" type="checkbox"/> Test <u>1225</u>	T-On Location <u>21:20</u>
(B) First Initial Flow <u>179</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>21:45</u>
(C) First Final Flow <u>685</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>23:55</u>
(D) Initial Shut-In <u>1,368</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1:25</u>
(E) Second Initial Flow <u>776</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>4:30</u>
(F) Second Final Flow <u>6135</u>	<input checked="" type="checkbox"/> Mileage <u>55x2 154</u>	Comments _____
(G) Final Shut-In <u>4,367</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>2,026</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>0</u>
Final Flow <u>15</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>2304</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>2304</u>	

Approved By \_\_\_\_\_

Our Representative Marc Downing