



DRILL STEM TEST REPORT

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

P.O. Box 1019
Hays, KS 67601

ATTN: Alan Downing

Alvin Urban #1-9

9-16s-17w Rush,KS

Start Date: 2014.05.12 @ 14:00:00

End Date: 2014.05.13 @ 00:26:15

Job Ticket #: 58889 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.05.15 @ 15:04:21



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co, Inc

9-16s-17w Rush,KS

P.O. Box 1019
Hays, KS 67601

Alvin Urban #1-9

Job Ticket: 58889

DST#: 1

ATTN: Alan Dow ning

Test Start: 2014.05.12 @ 14:00:00

GENERAL INFORMATION:

Formation: **Cong. Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:53:45

Time Test Ended: 00:26:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Phillip Gage

Unit No: 76

Interval: 3484.00 ft (KB) To 3540.00 ft (KB) (TVD)

Reference Elevations: 1974.00 ft (KB)

Total Depth: 3540.00 ft (KB) (TVD)

1966.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8789

Inside

Press@RunDepth: 35.93 psig @ 3505.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.12

End Date:

2014.05.13

Last Calib.:

2014.05.13

Start Time: 14:00:02

End Time:

00:26:15

Time On Btm:

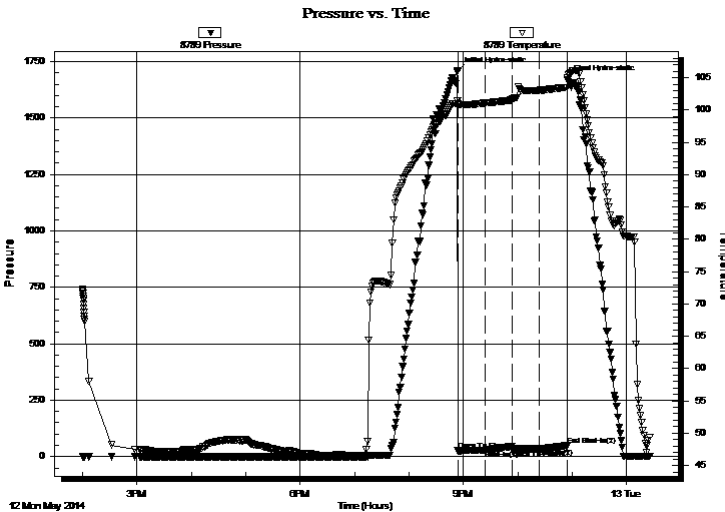
2014.05.12 @ 20:53:30

Time Off Btm:

2014.05.12 @ 22:55:00

TEST COMMENT: 30-IF-Built to 1"
30-ISI-No Return
30-FF-No Blow, Flushed at 22:00 built to 1/4"
30-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1705.53	101.48	Initial Hydro-static
1	26.58	100.60	Open To Flow (1)
31	28.47	101.09	Shut-In(1)
60	46.15	101.57	End Shut-In(1)
61	30.73	101.59	Open To Flow (2)
91	35.93	103.06	Shut-In(2)
121	48.80	103.54	End Shut-In(2)
122	1669.72	105.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	M, 100%m	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

9-16s-17w Rush,KS

P.O. Box 1019
Hays, KS 67601

Alvin Urban #1-9

Job Ticket: 58889

DST#: 1

ATTN: Alan Dow ning

Test Start: 2014.05.12 @ 14:00:00

Tool Information

Drill Pipe:	Length: 3456.00 ft	Diameter: 3.80 inches	Volume: 48.48 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 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:	62000.00 lb
			<u>Total Volume: 48.63 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	51000.00 lb
Depth to Top Packer:	3484.00 ft			Final	51000.00 lb
Depth to Bottom Packer:	ft				
Interval betw een Packers:	56.00 ft				
Tool Length:	84.00 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			3457.00	
Shut In Tool	5.00			3462.00	
Hydraulic tool	5.00			3467.00	
Jars	5.00			3472.00	
Safety Joint	2.00			3474.00	
Packer	5.00			3479.00	28.00 Bottom Of Top Packer
Packer	5.00			3484.00	
Stubb	1.00			3485.00	
Perforations	19.00			3504.00	
Change Over Sub	1.00			3505.00	
Recorder	0.00	8789	Inside	3505.00	
Recorder	0.00	8289	Outside	3505.00	
Blank Spacing	31.00			3536.00	
Change Over Sub	1.00			3537.00	
Bullnose	3.00			3540.00	56.00 Bottom Packers & Anchor

Total Tool Length: 84.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning Nelson Oil Co, Inc

9-16s-17w Rush,KS

P.O. Box 1019
Hays, KS 67601

Alvin Urban #1-9

Job Ticket: 58889

DST#: 1

ATTN: Alan Dow ning

Test Start: 2014.05.12 @ 14:00:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	M, 100%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:

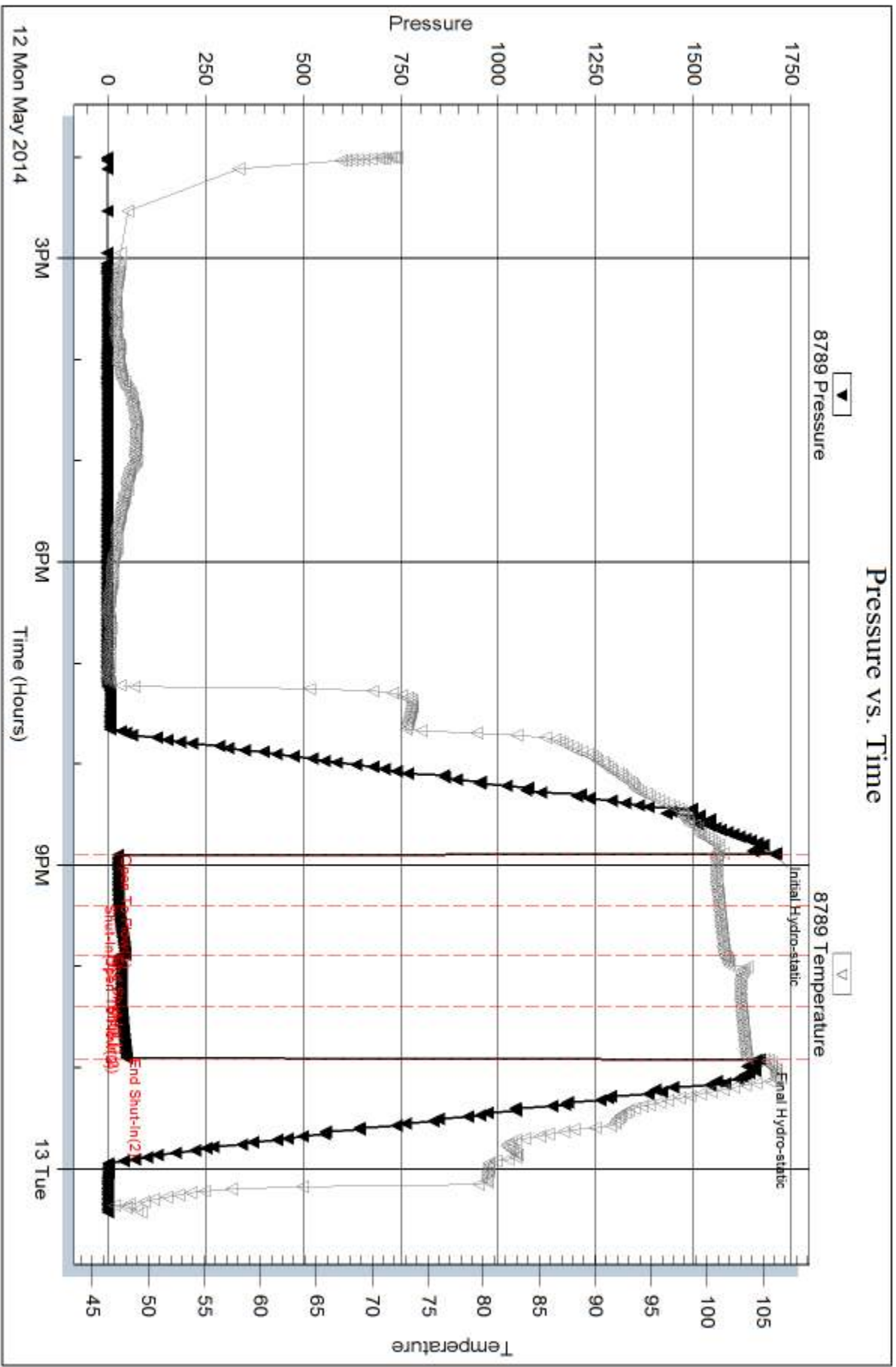
Serial #: 8789

Inside

Downing Nelson Oil Co, Inc

Alvin Urban #1-9

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58889

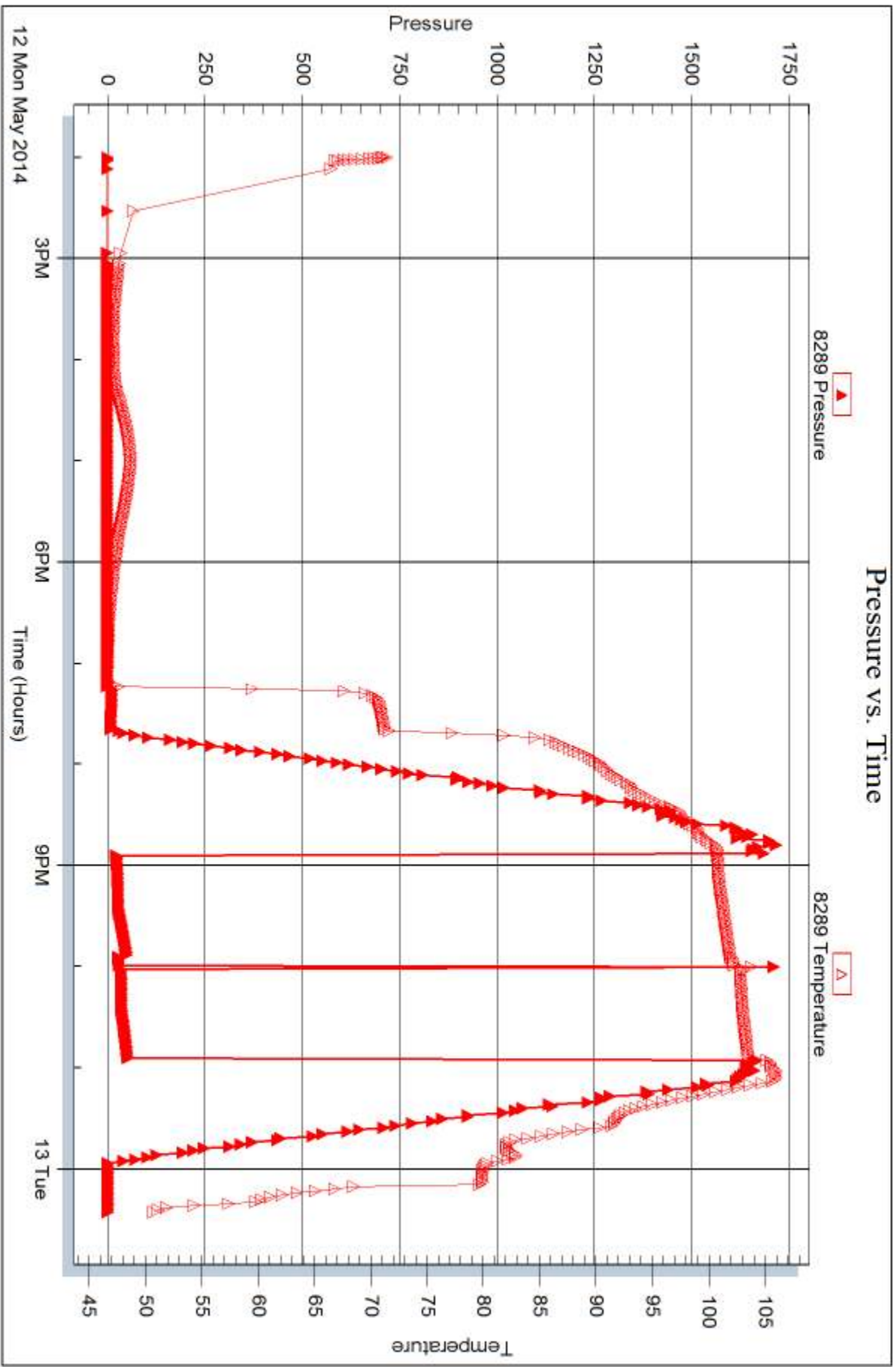
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Serial #: 8289

Outside Dow n ing Nelson Oil Co, Inc

Alvin Urban #1-9

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58889

Printed: 2014.05.15 @ 15:04:23



DRILL STEM TEST REPORT

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

P.O. Box 1019
Hays, KS 67601

ATTN: Alan Downing

Alvin Urban #1-9

9-16s-17w Rush,KS

Start Date: 2014.05.13 @ 06:30:00

End Date: 2014.05.13 @ 13:50:15

Job Ticket #: 58890 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.05.15 @ 15:03:58



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co, Inc

9-16s-17w Rush,KS

P.O. Box 1019
Hays, KS 67601

Alvin Urban #1-9

Job Ticket: 58890

DST#: 2

ATTN: Alan Dow ning

Test Start: 2014.05.13 @ 06:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:07:00

Time Test Ended: 13:50:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Phillip Gage

Unit No: 76

Interval: 3483.00 ft (KB) To 3562.00 ft (KB) (TVD)

Reference Elevations: 1974.00 ft (KB)

Total Depth: 3562.00 ft (KB) (TVD)

1966.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8789

Inside

Press@RunDepth: 57.94 psig @ 3495.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.13

End Date:

2014.05.13

Last Calib.:

2014.05.13

Start Time: 06:30:02

End Time:

13:50:15

Time On Btm:

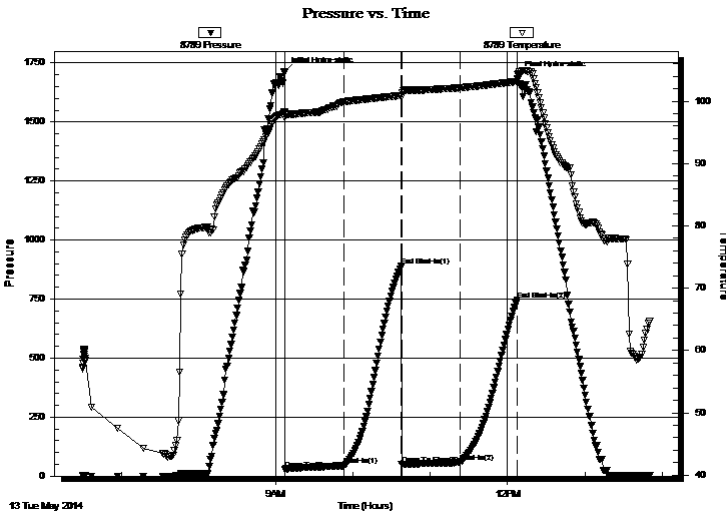
2014.05.13 @ 09:06:45

Time Off Btm:

2014.05.13 @ 12:07:45

TEST COMMENT: 45-IF-Built to 4"
45-ISI-No Return
45-FF-Built to 2 3/4"
45-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1711.79	98.24	Initial Hydro-static
1	26.93	97.39	Open To Flow (1)
47	43.96	99.91	Shut-In(1)
91	889.55	100.92	End Shut-In(1)
91	50.38	100.70	Open To Flow (2)
137	57.94	102.15	Shut-In(2)
181	746.58	103.14	End Shut-In(2)
181	1698.55	103.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
88.00	VSOCM, 5%o, 95%m	0.96

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning Nelson Oil Co, Inc

9-16s-17w Rush,KS

P.O. Box 1019
Hays, KS 67601

Alvin Urban #1-9

Job Ticket: 58890

DST#: 2

ATTN: Alan Dow ning

Test Start: 2014.05.13 @ 06:30:00

Tool Information

Drill Pipe:	Length: 3454.00 ft	Diameter: 3.80 inches	Volume: 48.45 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 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:	54000.00 lb
			<u>Total Volume: 48.60 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3483.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval betw een Packers:	79.00 ft				
Tool Length:	107.00 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			3456.00	
Shut In Tool	5.00			3461.00	
Hydraulic tool	5.00			3466.00	
Jars	5.00			3471.00	
Safety Joint	2.00			3473.00	
Packer	5.00			3478.00	28.00 Bottom Of Top Packer
Packer	5.00			3483.00	
Stubb	1.00			3484.00	
Perforations	10.00			3494.00	
Change Over Sub	1.00			3495.00	
Recorder	0.00	8789	Inside	3495.00	
Recorder	0.00	8289	Outside	3495.00	
Blank Spacing	63.00			3558.00	
Change Over Sub	1.00			3559.00	
Bullnose	3.00			3562.00	79.00 Bottom Packers & Anchor

Total Tool Length: 107.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning Nelson Oil Co, Inc

9-16s-17w Rush,KS

P.O. Box 1019
Hays, KS 67601

Alvin Urban #1-9

Job Ticket: 58890

DST#: 2

ATTN: Alan Dow ning

Test Start: 2014.05.13 @ 06:30:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
88.00	VSOCM, 5%o, 95%m	0.961

Total Length: 88.00 ft Total Volume: 0.961 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8789

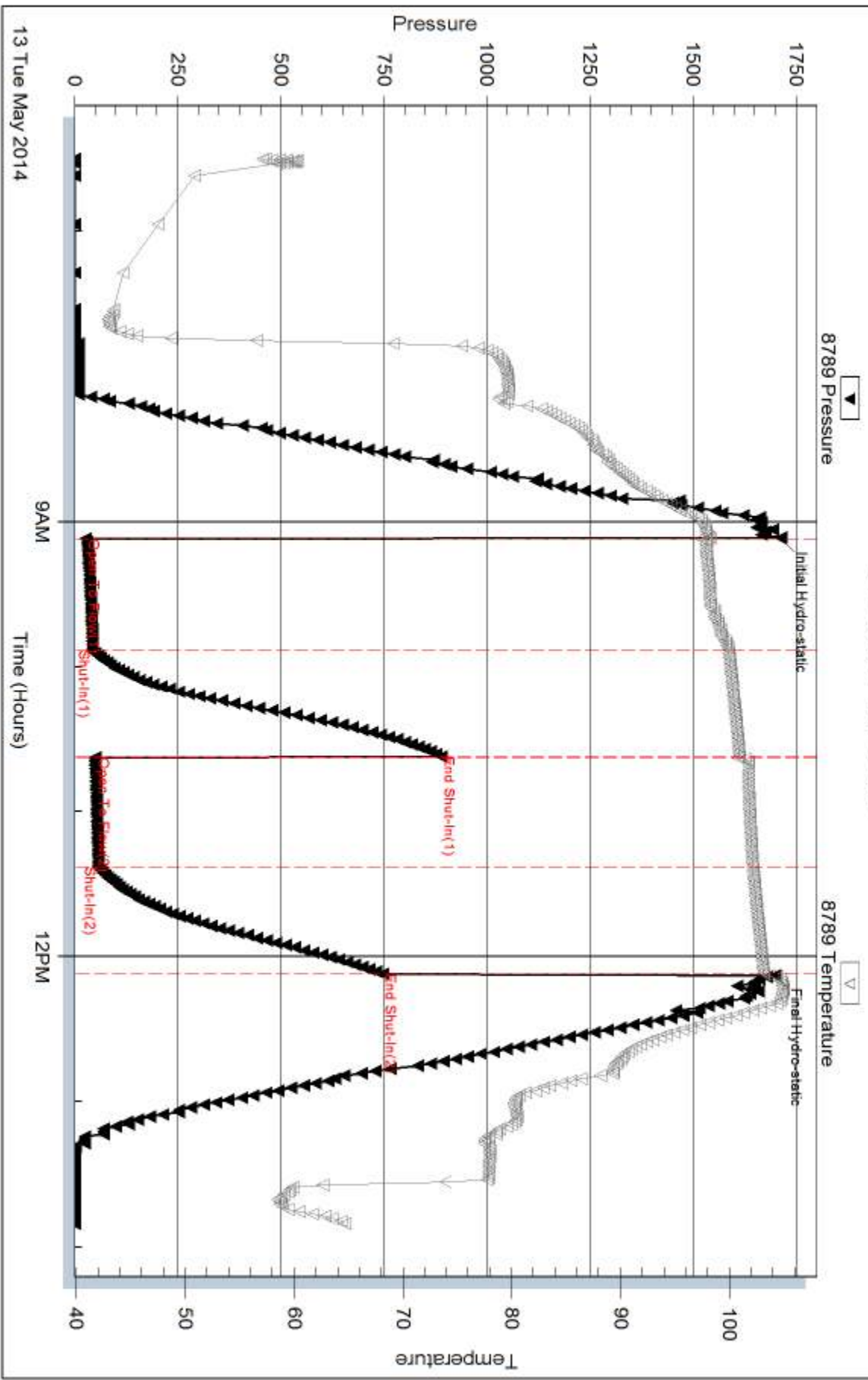
Inside

Downing Nelson Oil Co, Inc

Alvin Urban #1-9

DST Test Number: 2

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 58890

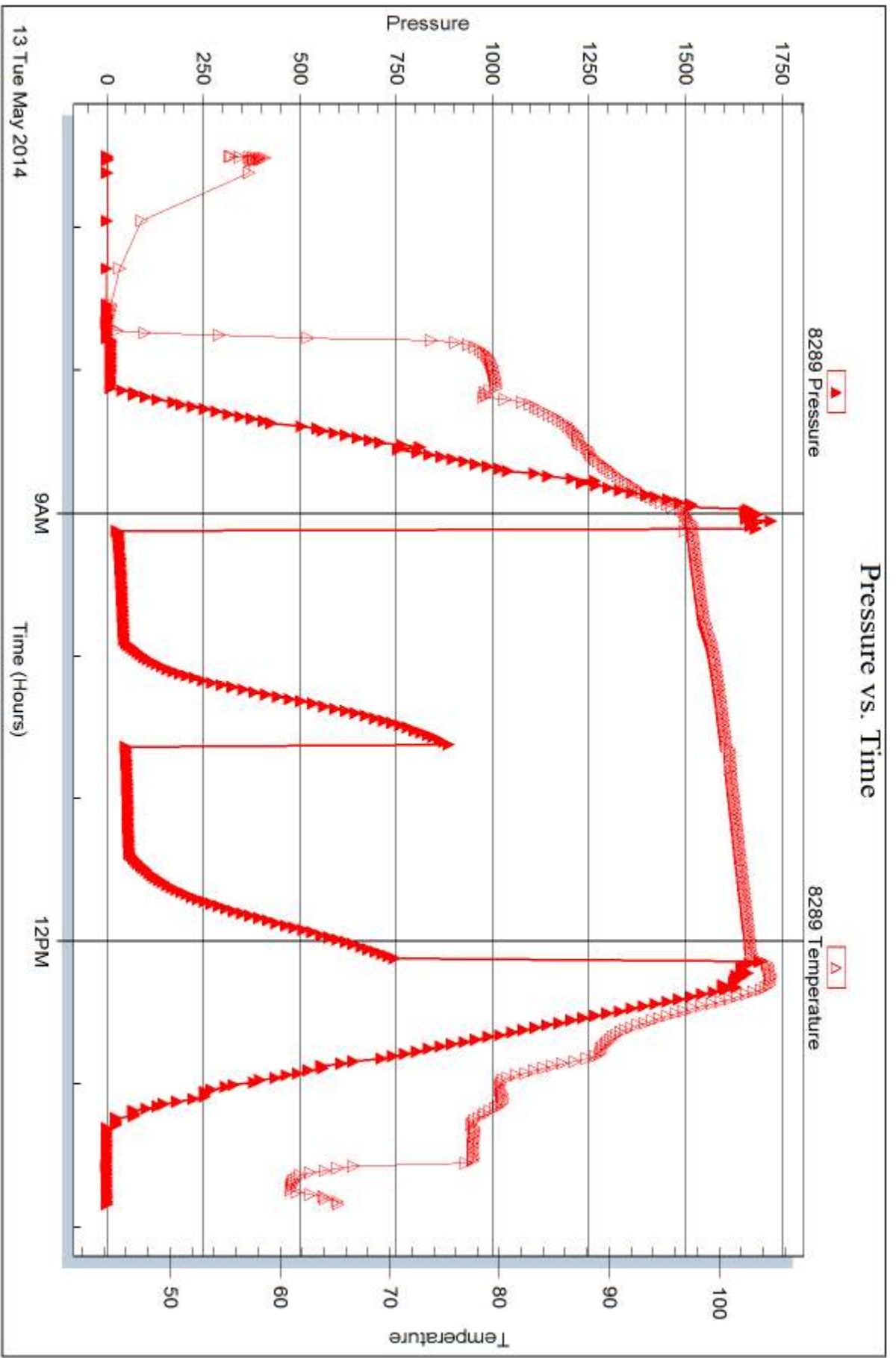
Printed: 2014.05.15 @ 15:03:59

Serial #: 8289

Outside Dow ning Nelson Oil Co, Inc

Alvin Urban #1-9

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 58890

Printed: 2014.05.15 @ 15:03:59



DRILL STEM TEST REPORT

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

P.O. Box 1019
Hays, KS 67601

ATTN: Alan Downing

Alvin Urban #1-9

9-16s-17w Rush,KS

Start Date: 2014.05.14 @ 01:30:00

End Date: 2014.05.14 @ 09:13:15

Job Ticket #: 58862 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.05.15 @ 15:03:26



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co, Inc

9-16s-17w Rush,KS

P.O. Box 1019
Hays, KS 67601

Alvin Urban #1-9

Job Ticket: 58862

DST#: 3

ATTN: Alan Dow ning

Test Start: 2014.05.14 @ 01:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:34:30

Time Test Ended: 09:13:15

Test Type: Conventional Straddle (Reset)

Tester: Phillip Gage

Unit No: 76

Interval: 3557.00 ft (KB) To 3569.00 ft (KB) (TVD)

Reference Elevations: 1974.00 ft (KB)

Total Depth: 3645.00 ft (KB) (TVD)

1966.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8789

Inside

Press@RunDepth: 253.05 psig @ 3558.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.14

End Date:

2014.05.14

Last Calib.:

2014.05.14

Start Time: 01:30:02

End Time:

09:13:15

Time On Btm:

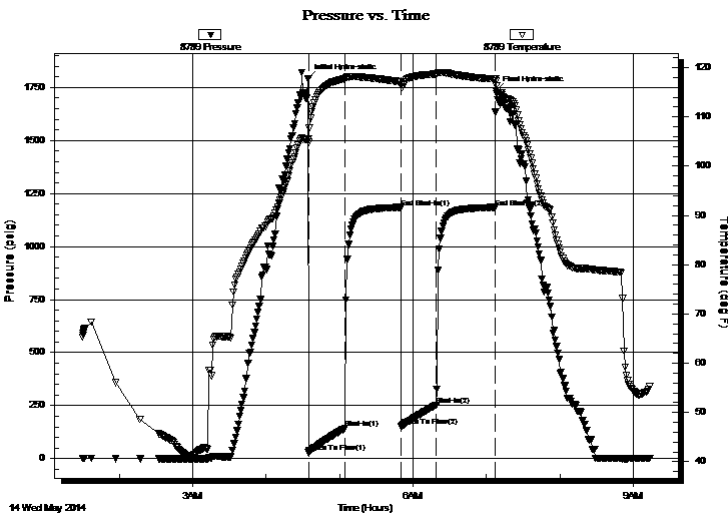
2014.05.14 @ 04:34:15

Time Off Btm:

2014.05.14 @ 07:07:45

TEST COMMENT: 30-IF-BOB in 9 mins
45-ISI-1/8" Return
30-FF-BOB in 11 mins
45-FSI-1/4" Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1790.40	105.50	Initial Hydro-static
1	27.97	104.83	Open To Flow (1)
31	144.49	117.77	Shut-In(1)
76	1184.35	117.14	End Shut-In(1)
76	152.28	116.46	Open To Flow (2)
105	253.05	118.71	Shut-In(2)
153	1184.26	117.64	End Shut-In(2)
154	1736.14	117.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
378.00	MW, 5% m, 95% w	5.03
151.00	WM, 20% w, 80% m, with oil spots	2.12

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning Nelson Oil Co, Inc

9-16s-17w Rush,KS

P.O. Box 1019
Hays, KS 67601

Alvin Urban #1-9

Job Ticket: 58862

DST#: 3

ATTN: Alan Dow ning

Test Start: 2014.05.14 @ 01:30:00

Tool Information

Drill Pipe:	Length: 3518.00 ft	Diameter: 3.80 inches	Volume: 49.35 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 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: 54000.00 lb
			<u>Total Volume: 49.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3557.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	3569.00 ft			
Interval betw een Packers:	12.00 ft			
Tool Length:	115.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3530.00	
Shut In Tool	5.00			3535.00	
Hydraulic tool	5.00			3540.00	
Jars	5.00			3545.00	
Safety Joint	2.00			3547.00	
Packer	5.00			3552.00	28.00 Bottom Of Top Packer
Packer	5.00			3557.00	
Stubb	1.00			3558.00	
Recorder	0.00	8789	Inside	3558.00	
Recorder	0.00	8289	Outside	3558.00	
Perforations	7.00			3565.00	
Blank Off Sub	1.00			3566.00	
Blank Spacing	3.00			3569.00	12.00 Tool Interval
Packer	1.00			3570.00	
Perforations	6.00			3576.00	
Change Over Sub	1.00			3577.00	
Recorder	0.00	6668	Below	3577.00	
Drill Pipe	63.00			3640.00	
Change Over Sub	1.00			3641.00	
Bullnose	3.00			3644.00	75.00 Bottom Packers & Anchor

Total Tool Length: 115.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning Nelson Oil Co, Inc

9-16s-17w Rush,KS

P.O. Box 1019
Hays, KS 67601

Alvin Urban #1-9

Job Ticket: 58862

DST#: 3

ATTN: Alan Dow ning

Test Start: 2014.05.14 @ 01:30:00

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:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
378.00	MW, 5% <i>m</i> , 95% <i>w</i>	5.029
151.00	WM, 20% <i>w</i> , 80% <i>m</i> , w ith oil spots	2.118

Total Length: 529.00 ft Total Volume: 7.147 bbl

Num Fluid Samples: 0

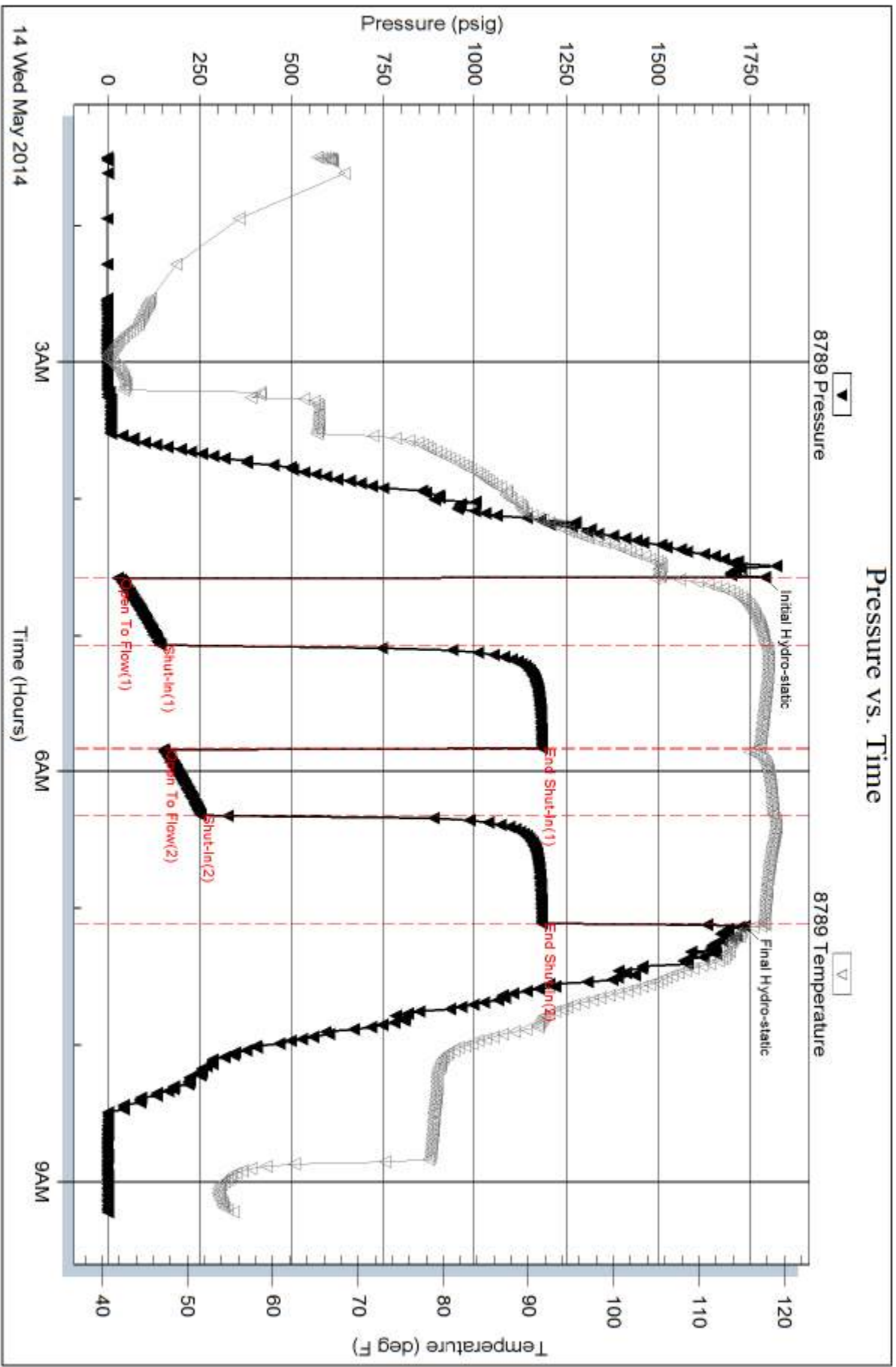
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .38 @ 53 degrees = 48,000 Salinity

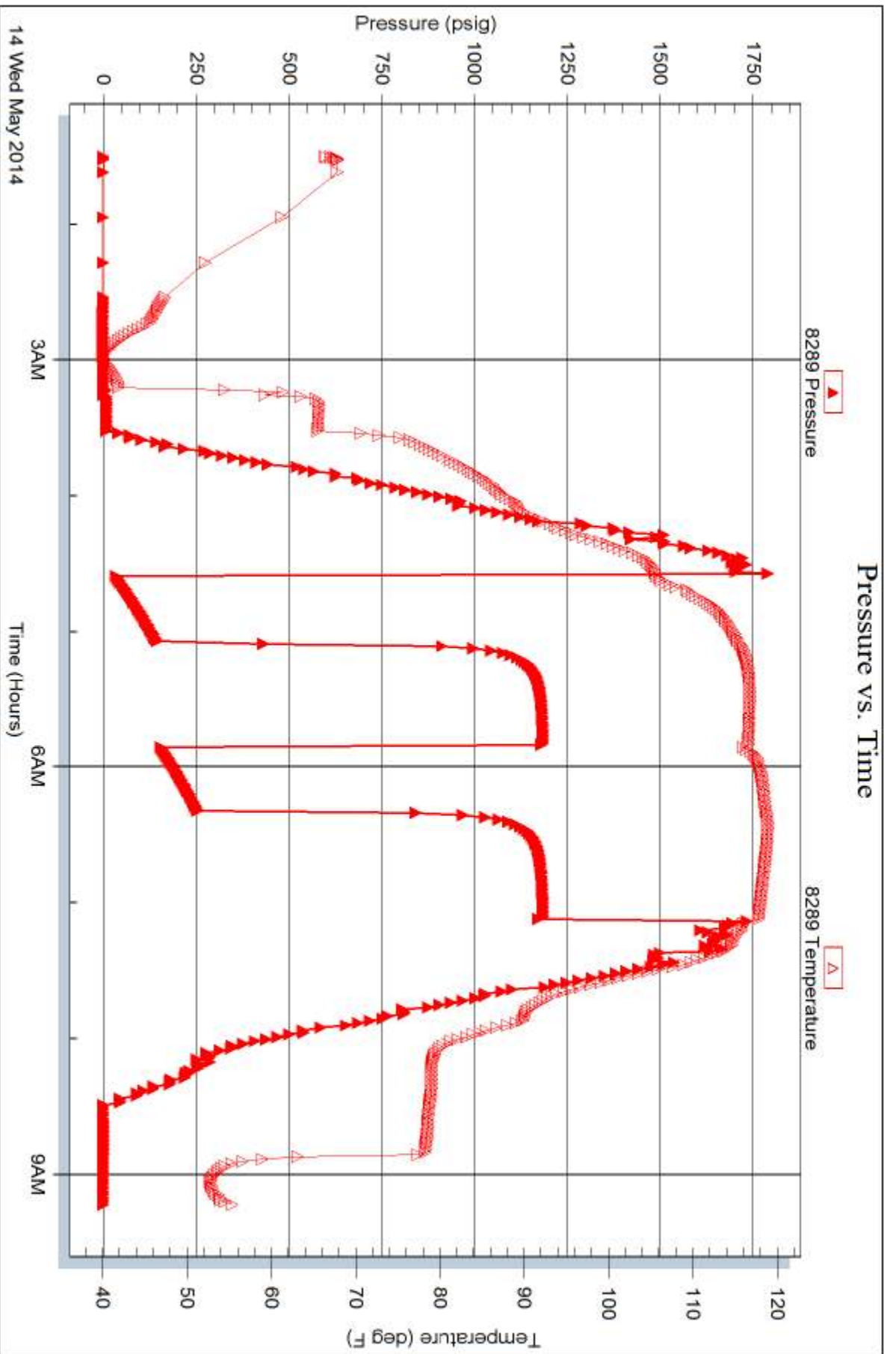


Serial #: 8289

Outside Downing Nelson Oil Co, Inc

Alvin Urban #1-9

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 58862

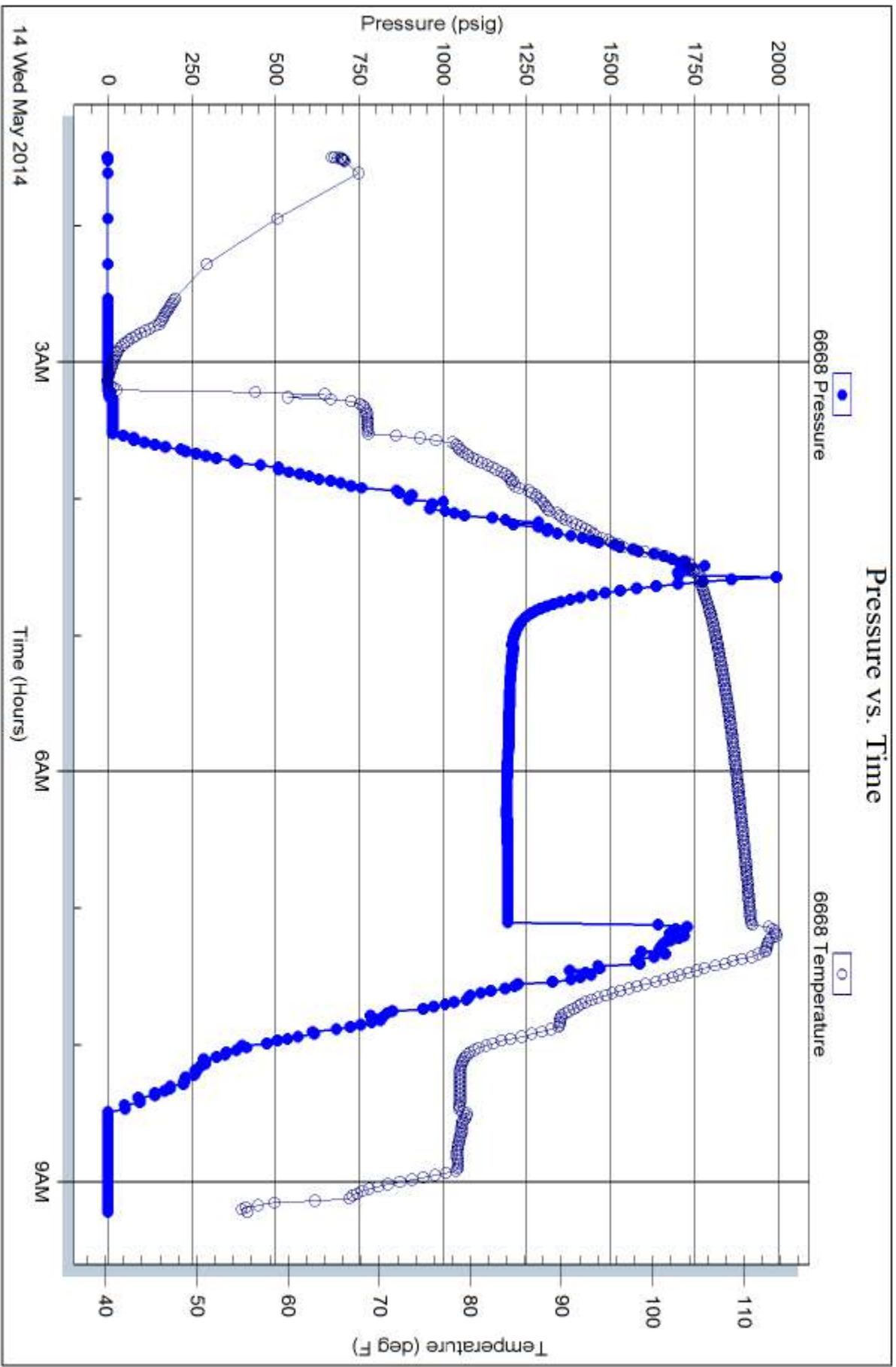
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Serial #: 6668

Below (Stratton) Nelson Oil Co, Inc

Avin Urban #1-9

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 58862

Printed: 2014.05.15 @ 15:03:27



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58889

4/10

Well Name & No. Alvin Urban Truss #1-9 Test No. 1 Date 8-12-14
 Company Downing-Nelson Oil Co Inc Elevation 1974 KB 1966 GL
 Address P.O. Box 1019 Hays, KS 67601
 Co. Rep / Geo. Alan Downing Rig Discovery 3
 Location: Sec. 9 Twp. 16S Rge. 17W Co. Rush State KS

Interval Tested 3484 - 3540 Zone Tested Long Sand
 Anchor Length 56' Drill Pipe Run 3456 Mud Wt. 9.1
 Top Packer Depth 3479 Drill Collars Run 30 Vis 50
 Bottom Packer Depth 3484 Wt. Pipe Run 0 WL 8
 Total Depth 3540 Chlorides 3,000 ppm System LCM 1#

Blow Description IF - Built to 1"
ISI - No Return
FF - No Blow, Flushed out 22:00, built to 1/4"
FSE - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>M</u>			<u>100</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 105 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 1705 Test 1150 T-On Location 13:24
 (B) First Initial Flow 26 Jars 250 T-Started 14:00
 (C) First Final Flow 28 Safety Joint 75 T-Open 20:54
 (D) Initial Shut-In 46 Circ Sub _____ T-Pulled 22:54
 (E) Second Initial Flow 30 Hourly Standby 1.5h 150 T-Out 00:27
 (F) Second Final Flow 35 Mileage 50 RT 77.50 Comments _____
 (G) Final Shut-In 48 Sampler _____
 (H) Final Hydrostatic 1669 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1702.50
 Accessibility _____ MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total 1702.50

Approved By _____ Our Representative Phil Rose "Thank You"
 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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58890

4/10

Well Name & No. Alvin Urban Trust #1-9 Test No. 2 Date 5-13-13
 Company Downing-Nelson Oil Co Inc Elevation 1974 KB 1966 GL
 Address P.O. Box 1019 Hays, KS 67601
 Co. Rep / Geo. Alan Downing Rig Discovery 3
 Location: Sec. 9 Twp. 16S Rge. 17W Co. Rush State KS

Interval Tested 3483-3562 Zone Tested Arbuckle
 Anchor Length 79' Drill Pipe Run 3454 Mud Wt. 9.1
 Top Packer Depth 3478 Drill Collars Run 30 Vis 50
 Bottom Packer Depth 3483 Wt. Pipe Run 0 WL 8
 Total Depth 3562 Chlorides 3,000 ppm System LCM 1#
 Blow Description IF- Built to 4"
ISI- No Return
FF- Built to 2 3/4"
FSI- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>88'</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 88' BHT 103 Gravity — API RW @ °F Chlorides — ppm
 (A) Initial Hydrostatic 1711 Test 1150 T-On Location 06:29
 (B) First Initial Flow 26 Jars 250 T-Started 06:30
 (C) First Final Flow 43 Safety Joint 75 T-Open 09:08
 (D) Initial Shut-In 884 Circ Sub — T-Pulled 12:08
 (E) Second Initial Flow 50 Hourly Standby 50RT 77.50 T-Out 13:51
 (F) Second Final Flow 57 Mileage — Comments —
 (G) Final Shut-In 746 Sampler —
 (H) Final Hydrostatic 1698 Straddle — Ruined Shale Packer —
 Shale Packer — Ruined Packer —
 Extra Packer — Extra Copies —
 Extra Recorder — Sub Total 0
 Day Standby — Total 1552.50
 Accessibility — MP/DST Disc't —
 Sub Total 1552.50

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

Approved By _____ Our Representative Alan Downing / Jim Phillips

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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58862

Well Name & No. Alvin Urban Trust #1-9 Test No. 3 Date 5-17-14
 Company Downing-Nelson Oil Co Inc Elevation 1974 KB 1966 GL
 Address P.O. Box 1019 Hays, KS 67601
 Co. Rep / Geo. Alan Downing / Mark Downing Rig Downing Rig 3
 Location: Sec. 9 Twp. 16s Rge. 17w Co. Rush State KS

Interval Tested 3557-3569 Zone Tested Arbuckle
 Anchor Length 12' Drill Pipe Run 3518 Mud Wt. 9.3
 Top Packer Depth 3564 Drill Collars Run 30 Vis 44
 Bottom Packer Depth 3569 Wt. Pipe Run 0 WL 8
 Total Depth 3645 Chlorides 5,000 ppm System LCM 1#

Blow Description IF- BOB in 9 mins
ISI- 1/8" Return
FF- BOB in 11 mins
FSI- 1/4" Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>378</u>	<u>MW</u>		<u>95</u>	<u>5</u>	
<u>151</u>	<u>WM, with oil spots</u>		<u>20</u>	<u>80</u>	
Rec Total	<u>529</u>	BHT <u>118</u>	Gravity <u>—</u>	API RW <u>38 @ 53</u>	F Chlorides <u>48,000</u> ppm

(A) Initial Hydrostatic 1790 Test 1150 T-On Location 01:20
 (B) First Initial Flow 27 Jars 250 T-Started 01:30
 (C) First Final Flow 144 Safety Joint 75 T-Open 04:35
 (D) Initial Shut-In 1184 Circ Sub _____ T-Pulled 07:05
 (E) Second Initial Flow 152 Hourly Standby _____ T-Out 09:14
 (F) Second Final Flow 253 Mileage 50 RT 77.50 Comments _____
 (G) Final Shut-In 1184 Sampler _____
 (H) Final Hydrostatic 1736 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 45 Extra Recorder _____ Sub Total 0
 Final Flow 30 Day Standby _____ Total 2152.50
 Final Shut-In 45 Accessibility _____ MP/DST Disc't _____
 Sub Total 2152.50

Approved By _____ Our Representative [Signature]
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