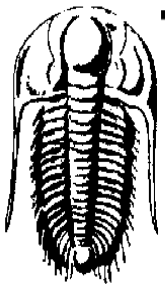


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

P.O. Box 1019
Hays KS 67601

ATTN: Marc Downing

Bixenman #1-28

28-9s-31w Thomas,KS

Start Date: 2013.10.04 @ 19:18:15
End Date: 2013.10.05 @ 01:19:45
Job Ticket #: 54678 DST #: 1

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

Printed: 2013.10.09 @ 09:14:58

DRILL STEM TEST REPORT

Downing Nelson Oil Inc.

P.O. Box 1019
Hays KS 67601

ATTN: Marc Downing

28-9s-31w Thomas,KS

Bixenman #1-28

Job Ticket: 54678 **DST#: 1**

Test Start: 2013.10.04 @ 19:18:15

GENERAL INFORMATION:

Formation: **I-J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:35:30
Time Test Ended: 01:19:45

Test Type: Conventional Bottom Hole (Initial)
Tester: Mike Roberts
Unit No: 65

Interval: 4245.00 ft (KB) To 4300.00 ft (KB) (TVD)
Total Depth: 4300.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

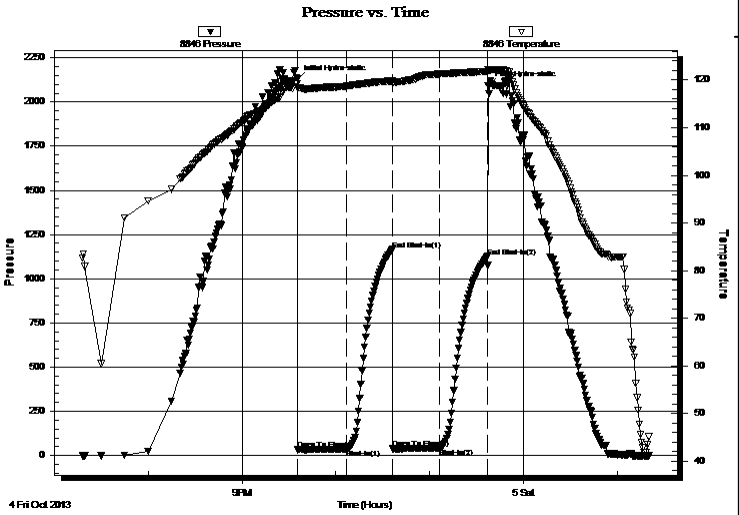
Reference Elevations: 3049.00 ft (KB)
3044.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8846 **Inside**

Press@RunDepth: 40.95 psig @ 4246.00 ft (KB)
Start Date: 2013.10.04 End Date: 2013.10.05
Start Time: 19:18:15 End Time: 01:19:45

Capacity: 8000.00 psig
Last Calib.: 2013.10.05
Time On Btm: 2013.10.04 @ 21:35:15
Time Off Btm: 2013.10.04 @ 23:37:15

TEST COMMENT: IF:Built to 1/2" blow
IS:No return blow
FF:No blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2129.68	119.19	Initial Hydro-static
1	32.56	118.45	Open To Flow (1)
32	36.36	118.72	Shut-In(1)
61	1165.68	119.82	End Shut-In(1)
61	38.38	119.33	Open To Flow (2)
91	40.95	121.27	Shut-In(2)
122	1126.00	121.78	End Shut-In(2)
122	2094.67	122.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud with oil spots	0.21

Gas Rates

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

DRILL STEM TEST REPORT

Downing Nelson Oil Inc.

P.O. Box 1019
Hays KS 67601

ATTN: Marc Downing

28-9s-31w Thomas,KS

Bixenman #1-28

Job Ticket: 54678 **DST#: 1**

Test Start: 2013.10.04 @ 19:18:15

GENERAL INFORMATION:

Formation: **I-J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:35:30
Time Test Ended: 01:19:45

Test Type: Conventional Bottom Hole (Initial)
Tester: Mike Roberts
Unit No: 65

Interval: 4245.00 ft (KB) To 4300.00 ft (KB) (TVD)
Total Depth: 4300.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

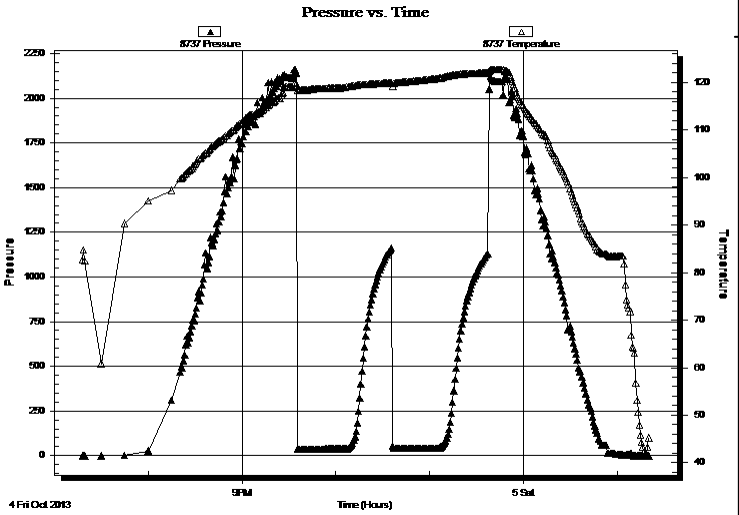
Reference Elevations: 3049.00 ft (KB)
3044.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8737 **Outside**

Press@RunDepth: psig @ 4246.00 ft (KB)
Start Date: 2013.10.04 End Date: 2013.10.05
Start Time: 19:18:15 End Time: 01:19:45

Capacity: 8000.00 psig
Last Calib.: 2013.10.05
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:Built to 1/2" blow
IS:No return blow
FF:No blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud with oil spots	0.21

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing Nelson Oil Inc.

P.O. Box 1019
Hays KS 67601

ATTN: Marc Downing

28-9s-31w Thomas,KS

Bixenman #1-28

Job Ticket: 54678 **DST#: 1**

Test Start: 2013.10.04 @ 19:18:15

Tool Information

Drill Pipe:	Length:	4236.00 ft	Diameter:	3.80 inches	Volume:	59.42 bbl	Tool Weight:		1500.00 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:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		70000.00 lb
					Total Volume:	59.42 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		20.00 ft					String Weight:	Initial	50000.00 lb
Depth to Top Packer:		4245.00 ft						Final	50000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		55.00 ft							
Tool Length:		84.00 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			4217.00		
Shut In Tool	5.00			4222.00		
Hydraulic tool	5.00			4227.00		
Jars	5.00			4232.00		
Safety Joint	3.00			4235.00		
Packer	5.00			4240.00	29.00	Bottom Of Top Packer
Packer	5.00			4245.00		
Stubb	1.00			4246.00		
Recorder	0.00	8846	Inside	4246.00		
Recorder	0.00	8737	Outside	4246.00		
Perforations	1.00			4247.00		
Change Over Sub	1.00			4248.00		
Drill Pipe	32.00			4280.00		
Change Over Sub	1.00			4281.00		
Perforations	14.00			4295.00		
Bullnose	5.00			4300.00	55.00	Bottom Packers & Anchor
Total Tool Length:	**84.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil Inc.

P.O. Box 1019
Hays KS 67601

ATTN: Marc Downing

28-9s-31w Thomas,KS

Bixenman #1-28

Job Ticket: 54678 **DST#: 1**

Test Start: 2013.10.04 @ 19:18:15

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.16 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	300.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

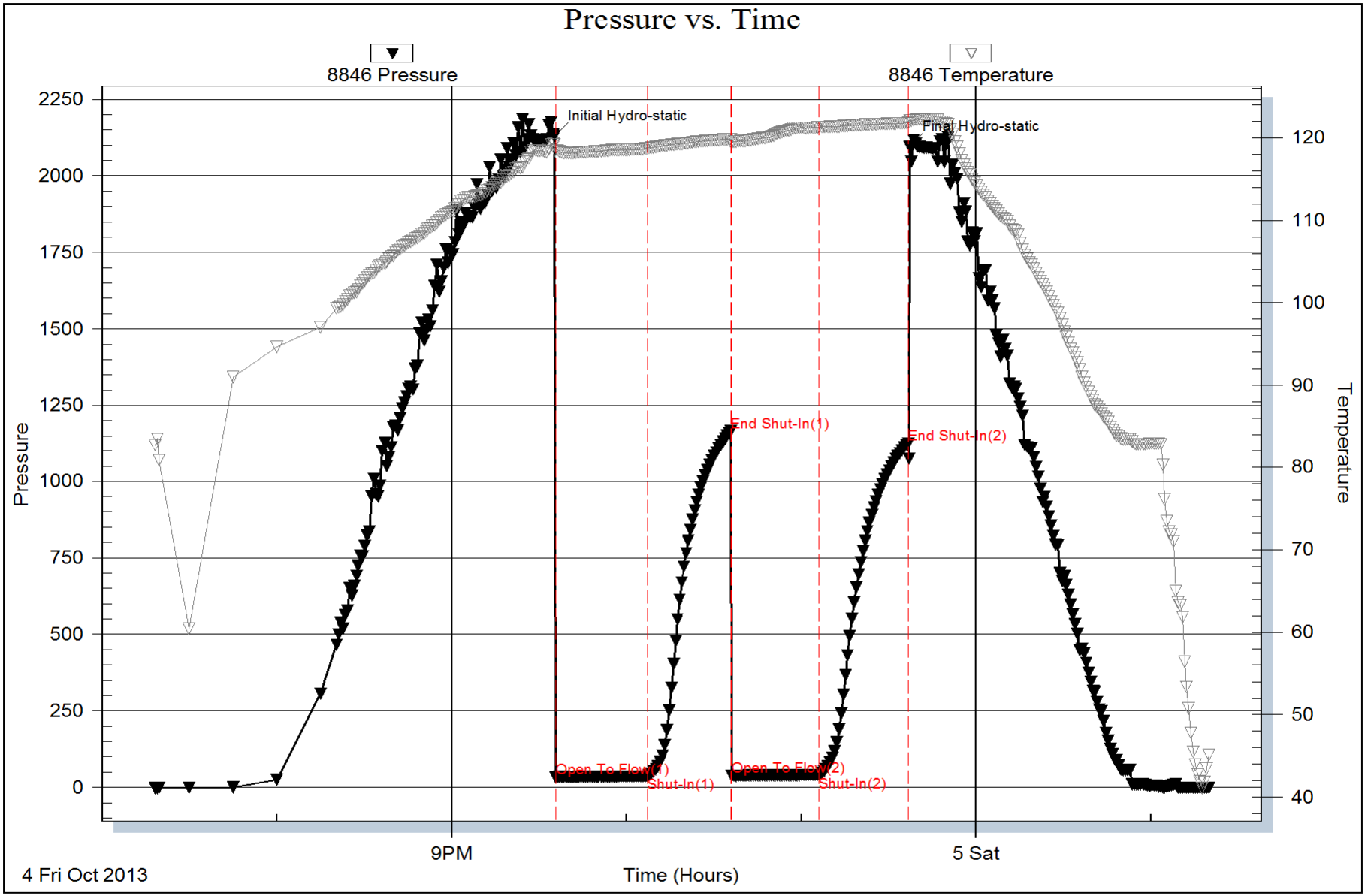
Recovery Table

Length ft	Description	Volume bbl
15.00	mud with oil spots	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

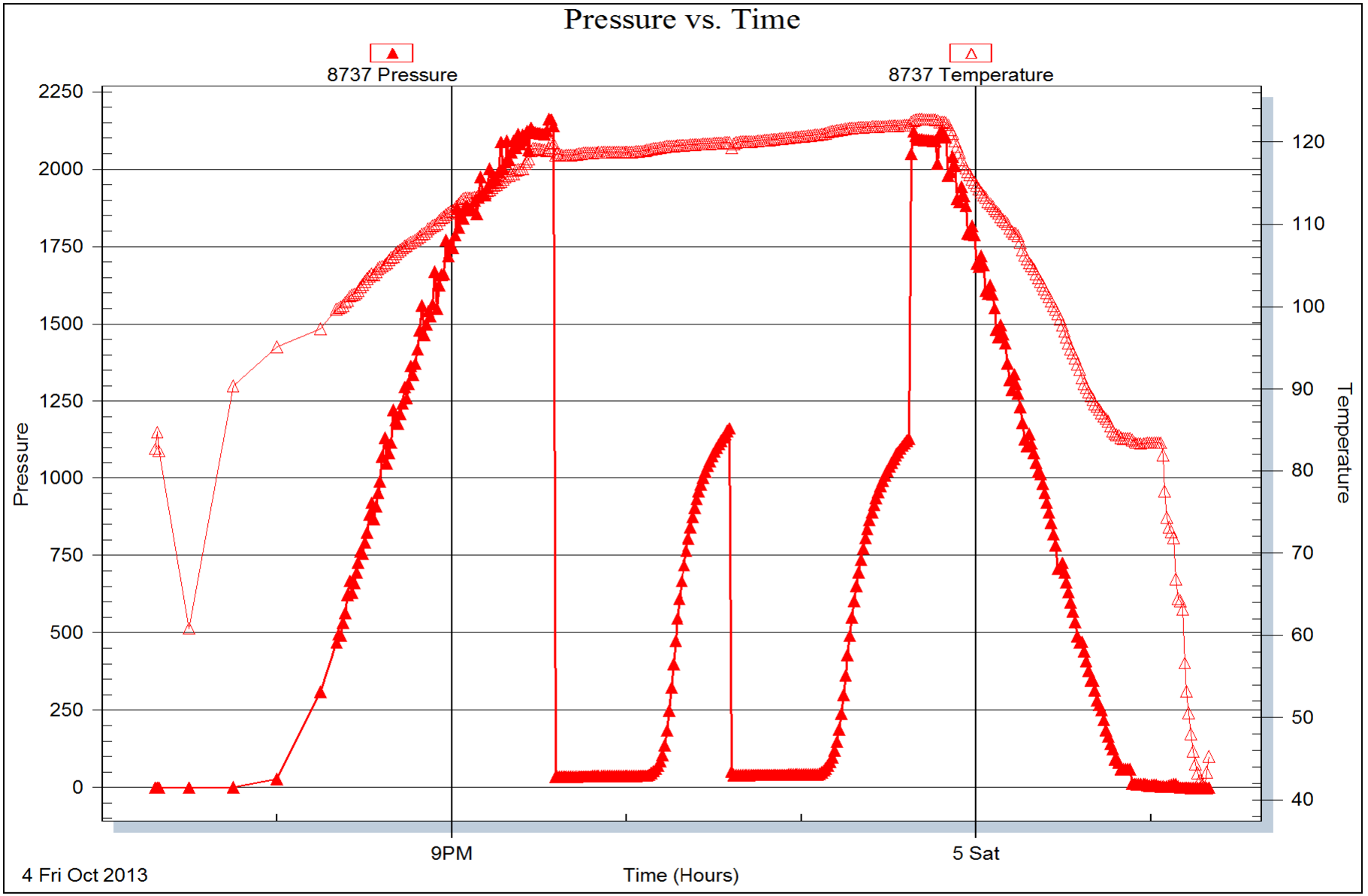
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8846 **Inside** Downing Nelson Oil Inc. Bixenman #1-28 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 54678 Printed: 2013.10.09 @ 09:15:00

Serial #: 8737 **Outside** Downing Nelson Oil Inc. Bixenman #1-28 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 54678 Printed: 2013.10.09 @ 09:15:00

DRILL STEM TEST REPORT

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

P.O. Box 1019
Hays KS 67601

ATTN: Marc Downing

Bixenman #1-28

28-9s-31w Thomas,KS

Start Date: 2013.10.05 @ 00:35:15
End Date: 2013.10.05 @ 07:14:00
Job Ticket #: 54679 DST #: 2

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

Printed: 2013.10.09 @ 09:14:22

DRILL STEM TEST REPORT

Downing Nelson Oil Inc.

P.O. Box 1019
Hays KS 67601

ATTN: Marc Downing

28-9s-31w Thomas,KS

Bixenman #1-28

Job Ticket: 54679 **DST#: 2**

Test Start: 2013.10.05 @ 00:35:15

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:22:30
Time Test Ended: 07:14:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65

Interval: 4452.00 ft (KB) To 4500.00 ft (KB) (TVD)
Total Depth: 4500.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

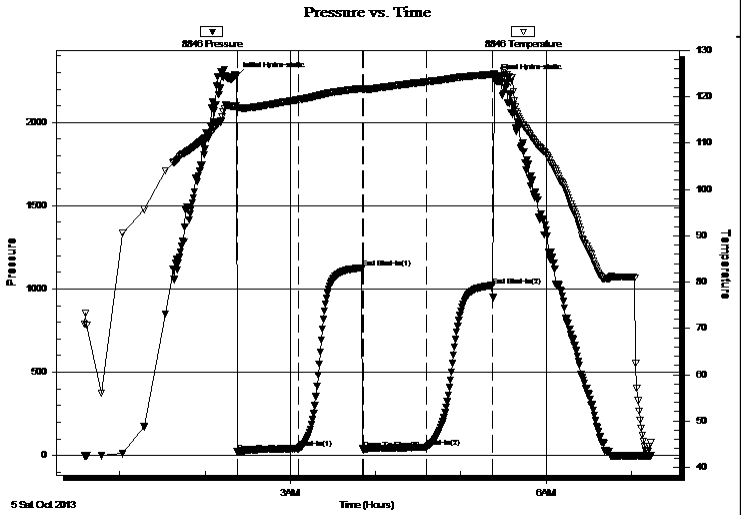
Reference Elevations: 3049.00 ft (KB)
3044.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8846 **Inside**

Press@RunDepth: 49.39 psig @ 4453.00 ft (KB)
Start Date: 2013.10.05 End Date: 2013.10.05
Start Time: 00:35:15 End Time: 07:14:00

Capacity: 8000.00 psig
Last Calib.: 2013.10.06
Time On Btm: 2013.10.05 @ 02:22:15
Time Off Btm: 2013.10.05 @ 05:23:30

TEST COMMENT: IF:Built to 5" blow
IS:No return blow
FF:Built to 8" blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2274.90	118.09	Initial Hydro-static
1	22.80	117.21	Open To Flow (1)
44	40.64	119.39	Shut-In(1)
89	1127.72	121.82	End Shut-In(1)
89	35.47	121.58	Open To Flow (2)
134	49.39	123.24	Shut-In(2)
180	1019.89	124.84	End Shut-In(2)
182	2261.90	124.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	ocm 10%o 90%m	0.98

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Downing Nelson Oil Inc.

P.O. Box 1019
Hays KS 67601

ATTN: Marc Downing

28-9s-31w Thomas,KS

Bixenman #1-28

Job Ticket: 54679 **DST#: 2**

Test Start: 2013.10.05 @ 00:35:15

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:22:30
Time Test Ended: 07:14:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65

Interval: 4452.00 ft (KB) To 4500.00 ft (KB) (TVD)
Total Depth: 4500.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

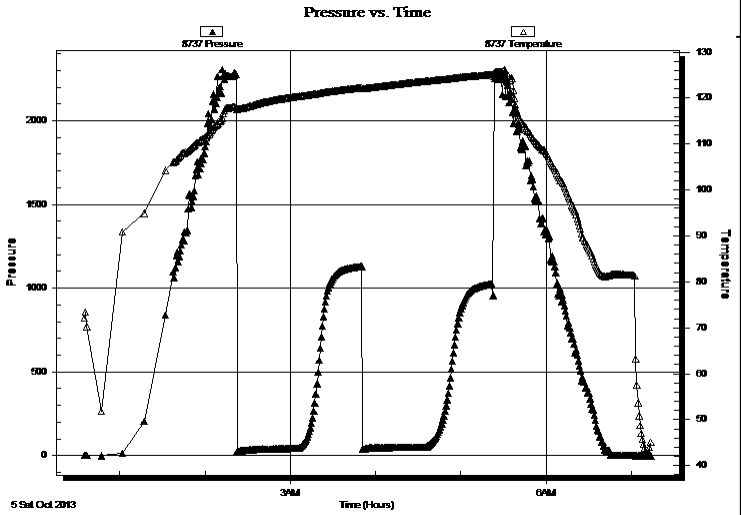
Reference Elevations: 3049.00 ft (KB)
3044.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8737 **Outside**

Press@RunDepth: psig @ 4453.00 ft (KB)
Start Date: 2013.10.05 End Date: 2013.10.05
Start Time: 00:35:15 End Time: 07:14:00

Capacity: 8000.00 psig
Last Calib.: 2013.10.06
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:Built to 5" blow
IS:No return blow
FF:Built to 8" blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
70.00	ocm 10%o 90%m	0.98

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing Nelson Oil Inc.

P.O. Box 1019
Hays KS 67601

ATTN: Marc Downing

28-9s-31w Thomas,KS

Bixenman #1-28

Job Ticket: 54679 **DST#: 2**

Test Start: 2013.10.05 @ 00:35:15

Tool Information

Drill Pipe:	Length:	4455.00 ft	Diameter:	3.80 inches	Volume:	62.49 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
					Total Volume:	62.49 bbl	

Drill Pipe Above KB:	32.00 ft
Depth to Top Packer:	4452.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	48.00 ft
Tool Length:	77.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	1500.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	80000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	50000.00 lb
Final	51000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4424.00		
Shut In Tool	5.00			4429.00		
Hydraulic tool	5.00			4434.00		
Jars	5.00			4439.00		
Safety Joint	3.00			4442.00		
Packer	5.00			4447.00	29.00	Bottom Of Top Packer
Packer	5.00			4452.00		
Stubb	1.00			4453.00		
Recorder	0.00	8846	Inside	4453.00		
Recorder	0.00	8737	Outside	4453.00		
Change Over Sub	1.00			4454.00		
Drill Pipe	32.00			4486.00		
Change Over Sub	1.00			4487.00		
Perforations	8.00			4495.00		
Bullnose	5.00			4500.00	48.00	Bottom Packers & Anchor
Total Tool Length:	**77.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil Inc.

P.O. Box 1019
Hays KS 67601

ATTN: Marc Downing

28-9s-31w Thomas,KS

Bixenman #1-28

Job Ticket: 54679 **DST#: 2**

Test Start: 2013.10.05 @ 00:35:15

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.96 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

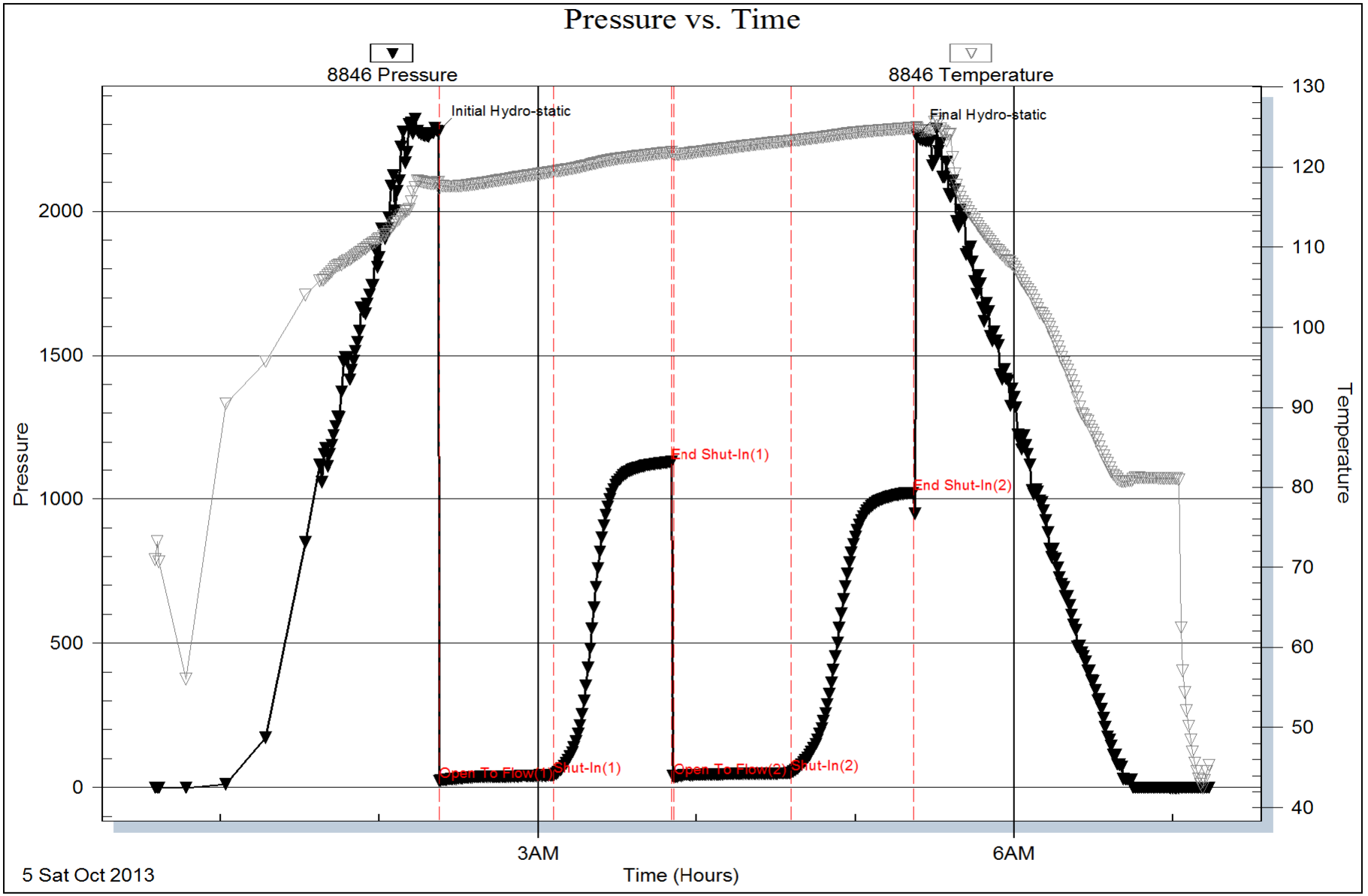
Recovery Table

Length ft	Description	Volume bbl
70.00	ocm 10%o 90%m	0.982

Total Length: 70.00 ft Total Volume: 0.982 bbl

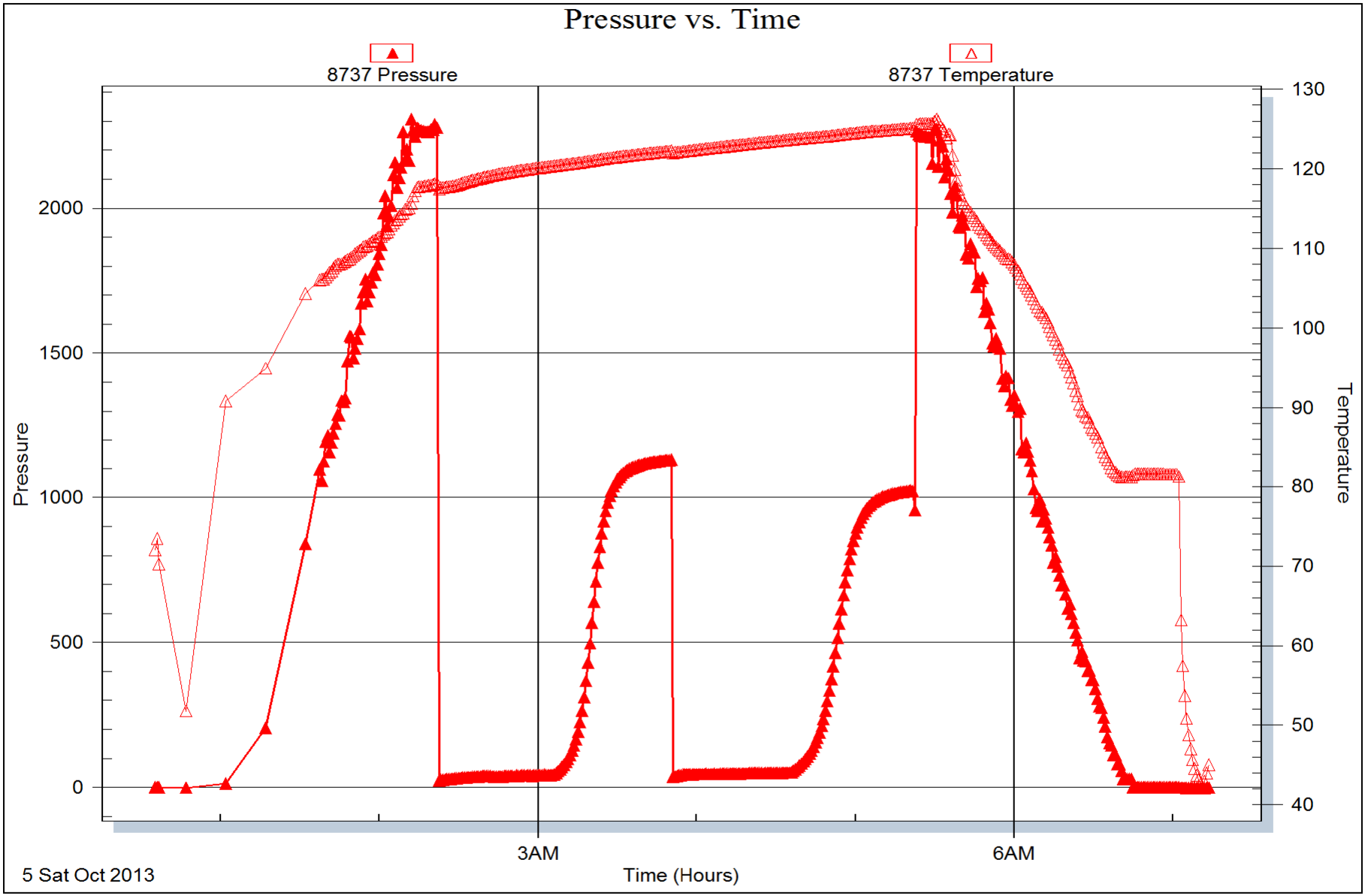
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8846 **Inside** Downing Nelson Oil Inc. Bixenman #1-28 DST Test Number: 2

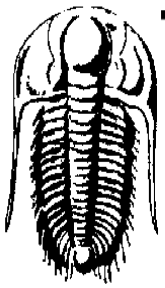


Trilobite Testing, Inc Ref. No: 54679 Printed: 2013.10.09 @ 09:14:24

Serial #: 8737 **Outside** Downing Nelson Oil Inc. Bixenman #1-28 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 54679 Printed: 2013.10.09 @ 09:14:24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

P.O. Box 1019
Hays KS 67601

ATTN: Marc Downing

Bixenman #1-28

28-9s-31w Thomas,KS

Start Date: 2013.10.06 @ 16:25:15
End Date: 2013.10.06 @ 22:14:15
Job Ticket #: 54680 DST #: 3

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

Printed: 2013.10.09 @ 09:13:53

DRILL STEM TEST REPORT

Downing Nelson Oil Inc.

P.O. Box 1019
Hays KS 67601

ATTN: Marc Downing

28-9s-31w Thomas,KS

Bixenman #1-28

Job Ticket: 54680 **DST#: 3**

Test Start: 2013.10.06 @ 16:25:15

GENERAL INFORMATION:

Formation: **Myrick Station**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:14:30
Time Test Ended: 22:14:15

Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65

Interval: 4496.00 ft (KB) To 4545.00 ft (KB) (TVD)
Total Depth: 4545.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

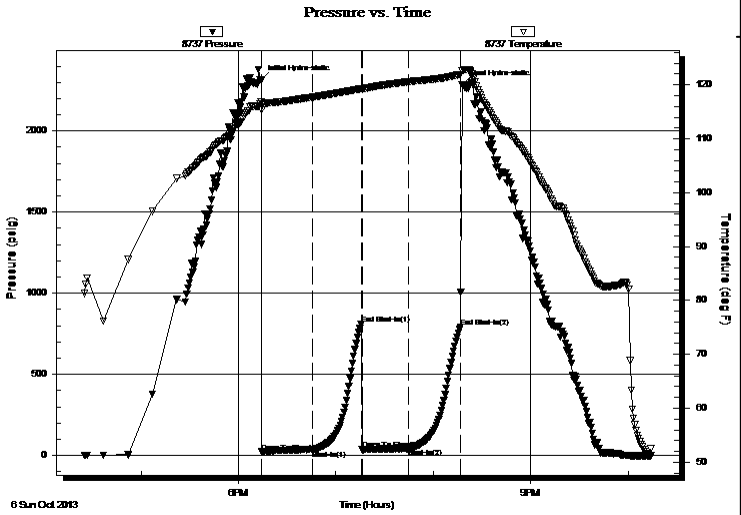
Reference Elevations: 3049.00 ft (KB)
3044.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8737 **Outside**

Press@RunDepth: 42.07 psig @ 4497.00 ft (KB)
Start Date: 2013.10.06 End Date: 2013.10.06
Start Time: 16:25:15 End Time: 22:14:15

Capacity: 8000.00 psig
Last Calib.: 2013.10.06
Time On Btm: 2013.10.06 @ 18:14:15
Time Off Btm: 2013.10.06 @ 20:17:45

TEST COMMENT: IF:Built to 3/4" blow
IS:No retun blow
FF: Built to 1/2" blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2313.65	116.93	Initial Hydro-static
1	23.11	115.37	Open To Flow (1)
32	34.49	117.70	Shut-In(1)
62	810.97	119.25	End Shut-In(1)
62	35.41	119.16	Open To Flow (2)
91	42.07	120.58	Shut-In(2)
123	790.74	121.88	End Shut-In(2)
124	2286.61	122.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	mud with slight trace of oil	0.63

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Downing Nelson Oil Inc.

P.O. Box 1019
Hays KS 67601

ATTN: Marc Downing

28-9s-31w Thomas,KS

Bixenman #1-28

Job Ticket: 54680 **DST#: 3**

Test Start: 2013.10.06 @ 16:25:15

GENERAL INFORMATION:

Formation: **Myrick Station**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:14:30
Time Test Ended: 22:14:15

Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65

Interval: 4496.00 ft (KB) To 4545.00 ft (KB) (TVD)
Total Depth: 4545.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

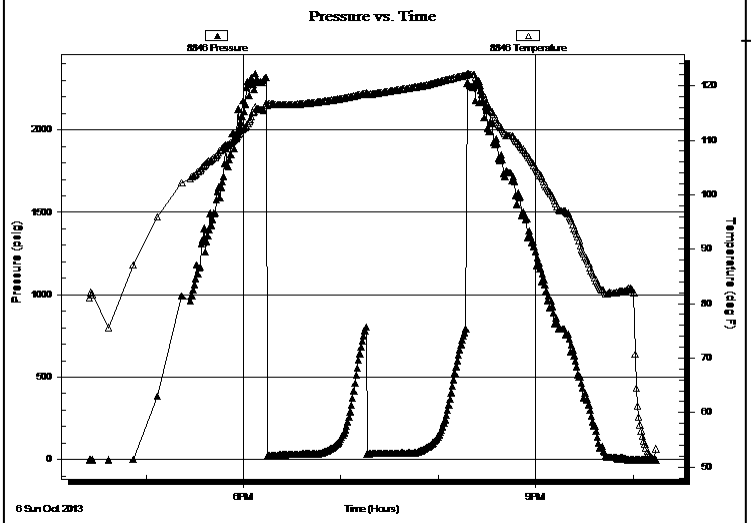
Reference Elevations: 3049.00 ft (KB)
3044.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8846 **Inside**

Press@RunDepth: psig @ 4497.00 ft (KB)
Start Date: 2013.10.06 End Date: 2013.10.06
Start Time: 16:25:15 End Time: 22:14:15

Capacity: 8000.00 psig
Last Calib.: 2013.10.06
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:Built to 3/4" blow
IS:No retun blow
FF: Built to 1/2" blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
45.00	mud with slight trace of oil	0.63

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing Nelson Oil Inc.

P.O. Box 1019
Hays KS 67601

ATTN: Marc Downing

28-9s-31w Thomas,KS

Bixenman #1-28

Job Ticket: 54680 **DST#: 3**

Test Start: 2013.10.06 @ 16:25:15

Tool Information

Drill Pipe:	Length:	4499.00 ft	Diameter:	3.80 inches	Volume:	63.11 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
					Total Volume:	63.11 bbl	

Drill Pipe Above KB:	32.00 ft
Depth to Top Packer:	4496.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	49.00 ft
Tool Length:	78.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	1500.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	70000.00 lb
Tool Chased	5.00 ft
String Weight: Initial	51000.00 lb
Final	51000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4468.00		
Shut In Tool	5.00			4473.00		
Hydraulic tool	5.00			4478.00		
Jars	5.00			4483.00		
Safety Joint	3.00			4486.00		
Packer	5.00			4491.00	29.00	Bottom Of Top Packer
Packer	5.00			4496.00		
Stubb	1.00			4497.00		
Recorder	0.00	8846	Inside	4497.00		
Recorder	0.00	8737	Outside	4497.00		
Perforations	8.00			4505.00		
Change Over Sub	1.00			4506.00		
Drill Pipe	32.00			4538.00		
Change Over Sub	1.00			4539.00		
Perforations	1.00			4540.00		
Bullnose	5.00			4545.00	49.00	Bottom Packers & Anchor
Total Tool Length:	**78.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil Inc.

P.O. Box 1019
Hays KS 67601

ATTN: Marc Downing

28-9s-31w Thomas,KS

Bixenman #1-28

Job Ticket: 54680 **DST#: 3**

Test Start: 2013.10.06 @ 16:25:15

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.97 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

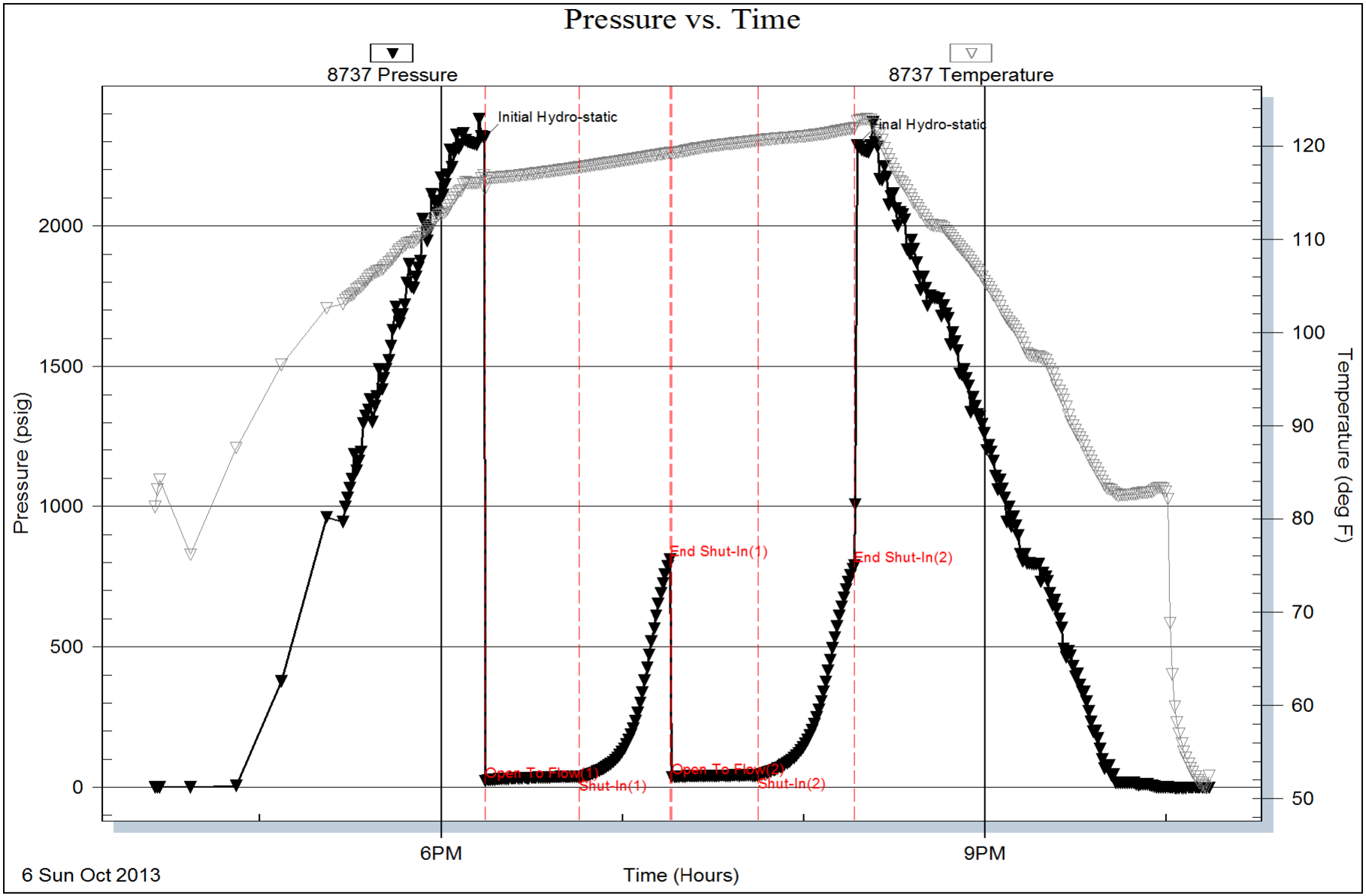
Recovery Table

Length ft	Description	Volume bbl
45.00	mud with slight trace of oil	0.631

Total Length: 45.00 ft Total Volume: 0.631 bbl

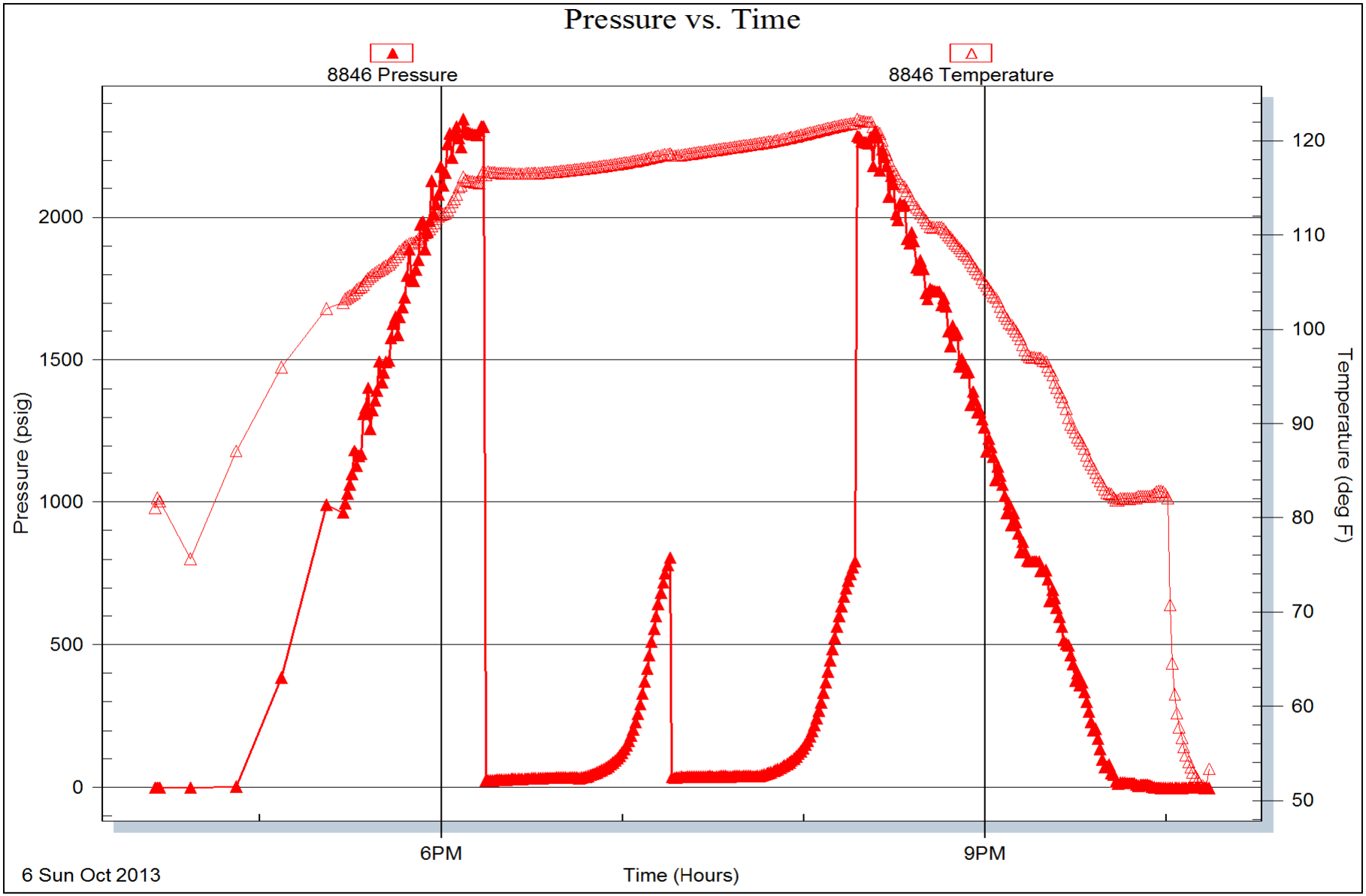
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8737 **Outside** Downing Nelson Oil Inc. Bixenman #1-28 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 54680 Printed: 2013.10.09 @ 09:13:55

Serial #: 8846 **Inside** Downing Nelson Oil Inc. Bixenman #1-28 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 54680 Printed: 2013.10.09 @ 09:13:55

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 54678

Well Name & No. Bixenman 1-28 Test No. 1 Date 10-4-13

Company Downing Nelson Oil Inc. Elevation 3049 KB 3044 GL

Address P.O. Box 1019 Hays KS 67601

Co. Rep / Geo. MARC Downing Rig Discovery #1

Location: Sec. 28 Twp. 9 Rge. 31 Co. Thomas State KS

Interval Tested 4245-4300 Zone Tested I-J

Anchor Length 55' Drill Pipe Run 4236 Mud Wt. ~~9.2~~ 8.7

Top Packer Depth 4241 Drill Collars Run Ø Vis 55

Bottom Packer Depth 4245 Wt. Pipe Run Ø WL 7.2

Total Depth 4300 Chlorides 300 ppm System LCM 2½#

Blow Description IF: Built to ½" Blow

IS: No Return Blow

FF: No Blow

FS: No Return Blow

Rec 15	Feet of MUD with oil spots	%gas	%oil	%water 100	%mud	
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 122 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2129	☑ Test 1250	T-On Location 17:40	
(B) First Initial Flow 32	☑ Jars 250	T-Started 19:18	
(C) First Final Flow 36	☑ Safety Joint 75	T-Open 21:35	
(D) Initial Shut-In 1165	☑ Circ Sub NC	T-Pulled 23:35	
(E) Second Initial Flow 38	☐ Hourly Standby	T-Out 01:19	
(F) Second Final Flow 40	☑ Mileage 132RT 102rt 158.10	Comments	
(G) Final Shut-In 1126	☐ Sampler		
(H) Final Hydrostatic 2094	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 30	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 30	☐ Extra Recorder	Sub Total 0	
Final Flow 30	☐ Day Standby	Total 1733.10	
Final Shut-In 30	☐ Accessibility	MP/DST Disc't	
	Sub Total 1733.10		

Approved By _____ Our Representative Mike Robertson

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 54679

Well Name & No. Bixenman 1-28 Test No. 2 Date 10-6-13

Company Downing Nelson Oil Inc. Elevation 3049 KB 3044 GL

Address P.O. Box 1019 Hays KS 67601

Co. Rep / Geo. Marc Downing Rig Discovery 1

Location: Sec. 28 Twp. 9 Rge. 31 Co. Thomas State KS

Interval Tested 4457-4500 Zone Tested Pawnee

Anchor Length 48 Drill Pipe Run 4455 Mud Wt. 9.3

Top Packer Depth 4448 Drill Collars Run 61 Vis 56

Bottom Packer Depth 4452 Wt. Pipe Run 0 WL 8.0

Total Depth 4500 Chlorides 1500 ppm System LCM 1/2

Blow Description IF: Built to 5" Blow
IS: No Return Blow
FF: Built to 8" Blow
FS: No Return Blow

Rec 70	Feet of OCM	%gas	10 %oil	%water	90 %mud	
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 70 BHT 125 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2274	☑ Test 1250	T-On Location 12:00	
(B) First Initial Flow 22	☑ Jars 250	T-Started 12:35	
(C) First Final Flow 40	☑ Safety Joint 75	T-Open 02:20	
(D) Initial Shut-In 1127	☑ Circ Sub	T-Pulled 05:20	
(E) Second Initial Flow 35	☐ Hourly Standby	T-Out 07:14	
(F) Second Final Flow 49	☑ Mileage 132 RT 158.10	Comments	
(G) Final Shut-In 1019	☐ Sampler		
(H) Final Hydrostatic 2261	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 45	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 45	☐ Extra Recorder	Sub Total 0	
Final Flow 45	☐ Day Standby	Total 1733.10	
Final Shut-In 45	☐ Accessibility	MP/DST Disc't	
	Sub Total 1733.10		

Approved By _____ Our Representative Mike Robertson

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 54680

Well Name & No. Bixenman 1-28 Test No. 3 Date 10-7-13

Company Downing Nelson Oil Inc. Elevation 3049 KB 3049 GL

Address P.O. Box 1019 Hays KS 67601

Co. Rep / Geo. MARC DOWNING Rig Discovery 1

Location: Sec. 28 Twp. 9 Rge. 31 Co. Thomas State KS

Interval Tested 4496-4545 Zone Tested Myrick Station

Anchor Length 49' Drill Pipe Run 4499 Mud Wt. 9.3

Top Packer Depth 4492 Drill Collars Run 61 Vis 56

Bottom Packer Depth 4496 Wt. Pipe Run 0 WL 8.0

Total Depth 4545 Chlorides 1500 ppm System LCM 1/2

Blow Description IF: Built to 3/4" Blow

IS: No Return Blow

FF: Built to 1/2" Blow

FS: No Return Blow

Rec 45	Feet of MUD with Slight trace of oil	%gas	%oil	%water 50	%mud	
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 45 BHT 125 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2135	☑ Test 1250	T-On Location 15:00	
(B) First Initial Flow 23	☑ Jars 250	T-Started 16:25	
(C) First Final Flow 34	☑ Safety Joint 75	T-Open 18:15	
(D) Initial Shut-In 810	☑ Circ Sub NC	T-Pulled 20:15	
(E) Second Initial Flow 35	☐ Hourly Standby	T-Out 22:14	
(F) Second Final Flow 42	☑ Mileage 132 RT 316.20	Comments loaded tools 10/7 16:45	
(G) Final Shut-In 790	☐ Sampler		
(H) Final Hydrostatic 2286	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 30	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 30	☐ Extra Recorder	Sub Total 0	
Final Flow 30	☐ Day Standby	Total 1891.20	
Final Shut-In 30	☐ Accessibility	MP/DST Disc't	
	Sub Total 1891.20		

Approved By _____ Our Representative Mike Robertson