



## DRILL STEM TEST REPORT

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

PO Box 1019  
Hays, KS 67601

ATTN: Marc Downing

**11-1s-33w Rawlins KS**

**Marjorie-Norma Jean Unit #1-11**

Start Date: 2016.02.08 @ 01:02:00

End Date: 2016.02.08 @ 08:49:15

Job Ticket #: 65326                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.02.12 @ 15:54:00



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co., Inc.

**Marjorie-Norma Jean Unit #1-11**

PO Box 1019  
Hays, KS 67601

**11-1s-33w Rawlins KS**

Job Ticket: 65326

**DST#: 1**

ATTN: Marc Dow ning

Test Start: 2016.02.08 @ 01:02:00

## GENERAL INFORMATION:

Formation: **Oread**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:32:45

Time Test Ended: 08:49:15

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 83

**Interval: 3734.00 ft (KB) To 3780.00 ft (KB) (TVD)**

Reference Elevations: 2915.00 ft (KB)

Total Depth: 3780.00 ft (KB) (TVD)

2905.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 6769**

**Inside**

Press@RunDepth: 493.49 psig @ 3735.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.02.08

End Date:

2016.02.08

Last Calib.:

2016.02.08

Start Time:

01:02:05

End Time:

08:49:14

Time On Btm:

2016.02.08 @ 03:32:30

Time Off Btm:

2016.02.08 @ 06:08:15

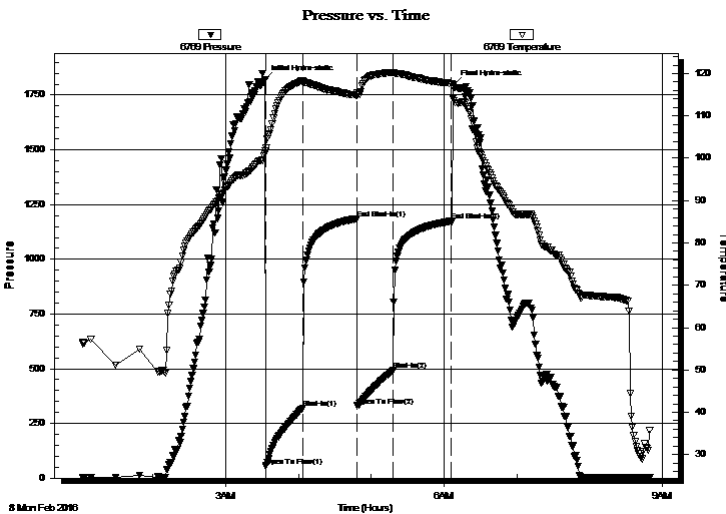
**TEST COMMENT:** 30 - IF: Blow built to BOB (11") at 3 3/4 min. (Diesel in bucket)

45 - IS: Weak surface blow back, dead at 24 min.

30 - FF: Blow built to BOB at 5 min.

45 - FS: No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1822.15	101.06	Initial Hydro-static
1	54.84	101.62	Open To Flow (1)
31	320.55	118.28	Shut-In(1)
76	1185.40	114.92	End Shut-In(1)
76	328.97	115.39	Open To Flow (2)
106	493.49	120.27	Shut-In(2)
154	1174.06	117.63	End Shut-In(2)
156	1799.27	113.52	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
635.00	SMCW w/trace oil 95%w , 5%m	7.73
250.00	MCW w/trace oil 89%w , 11%m	3.51
130.00	MCW w/trace oil 64%w , 36%m	1.82

## 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.

**Marjorie-Norma Jean Unit #1-11**

PO Box 1019  
Hays, KS 67601

**11-1s-33w Rawlins KS**

Job Ticket: 65326

**DST#: 1**

ATTN: Marc Dow ning

Test Start: 2016.02.08 @ 01:02:00

## Tool Information

Drill Pipe:	Length: 3404.00 ft	Diameter: 3.80 inches	Volume: 47.75 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 312.00 ft	Diameter: 3.25 inches	Volume: 3.20 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 50.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3734.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	46.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3706.00	
Shut In Tool	5.00			3711.00	
Hydraulic tool	5.00			3716.00	
Jars	5.00			3721.00	
Safety Joint	3.00			3724.00	
Packer	5.00			3729.00	29.00 Bottom Of Top Packer
Packer	5.00			3734.00	
Stubb	1.00			3735.00	
Recorder	0.00	6769	Inside	3735.00	
Recorder	0.00	8366	Outside	3735.00	
Perforations	8.00			3743.00	
Blank Spacing	34.00			3777.00	
Bullnose	3.00			3780.00	46.00 Bottom Packers & Anchor

**Total Tool Length: 75.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Dow ning-Nelson Oil Co., Inc.

**Marjorie-Norma Jean Unit #1-11**

PO Box 1019  
Hays, KS 67601

**11-1s-33w Rawlins KS**

Job Ticket: 65326      **DST#: 1**

ATTN: Marc Dow ning

Test Start: 2016.02.08 @ 01:02:00

### 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:	29000 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.96 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 500.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

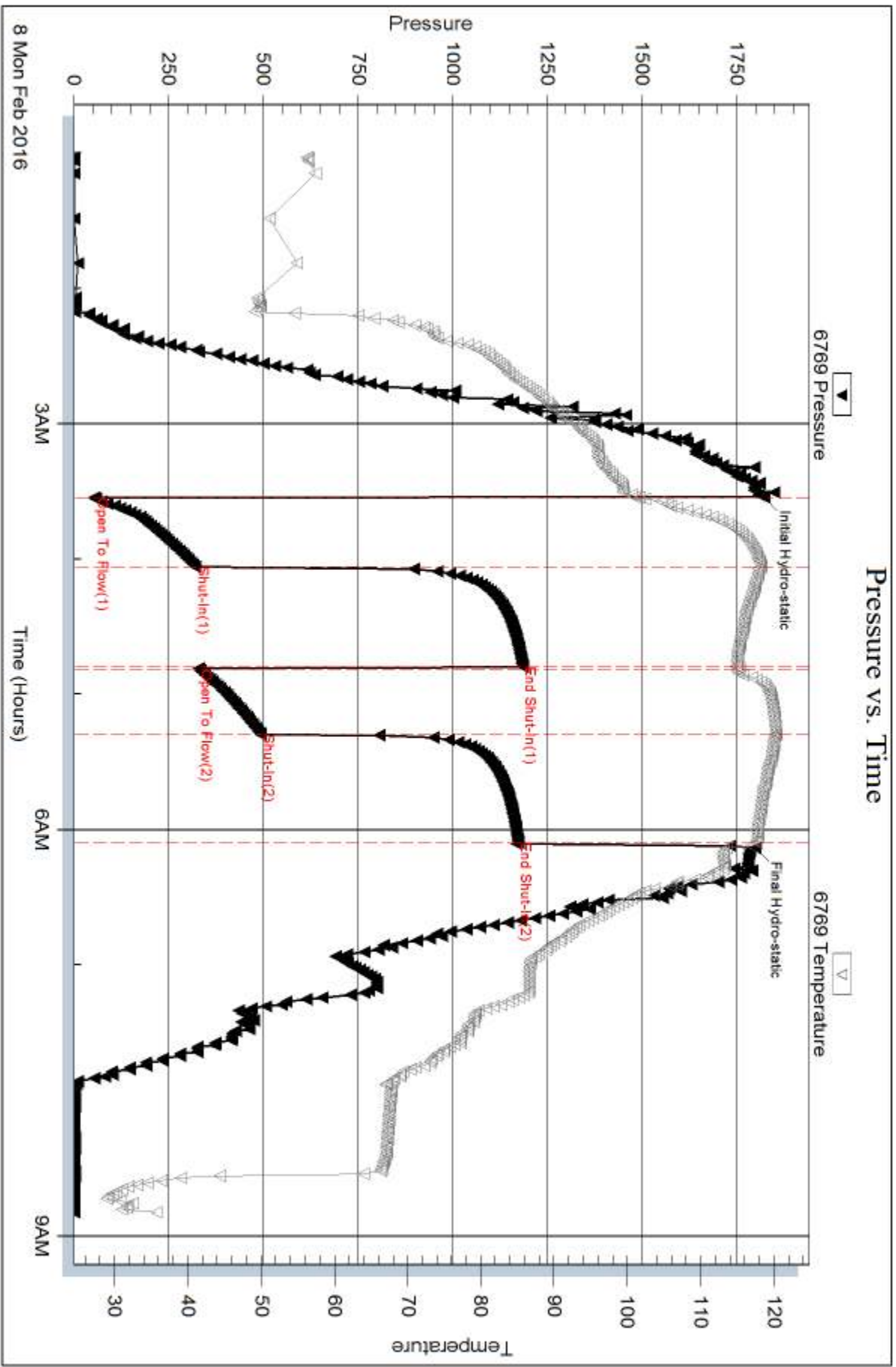
Length ft	Description	Volume bbl
635.00	SMCW w /trace oil 95%w , 5%m	7.732
250.00	MCW w /trace oil 89%w , 11%m	3.507
130.00	MCW w /trace oil 64%w , 36%m	1.824

Total Length: 1015.00 ft      Total Volume: 13.063 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: RW = .368 ohms @ 45 deg  
Chlorides = 29,000 ppm

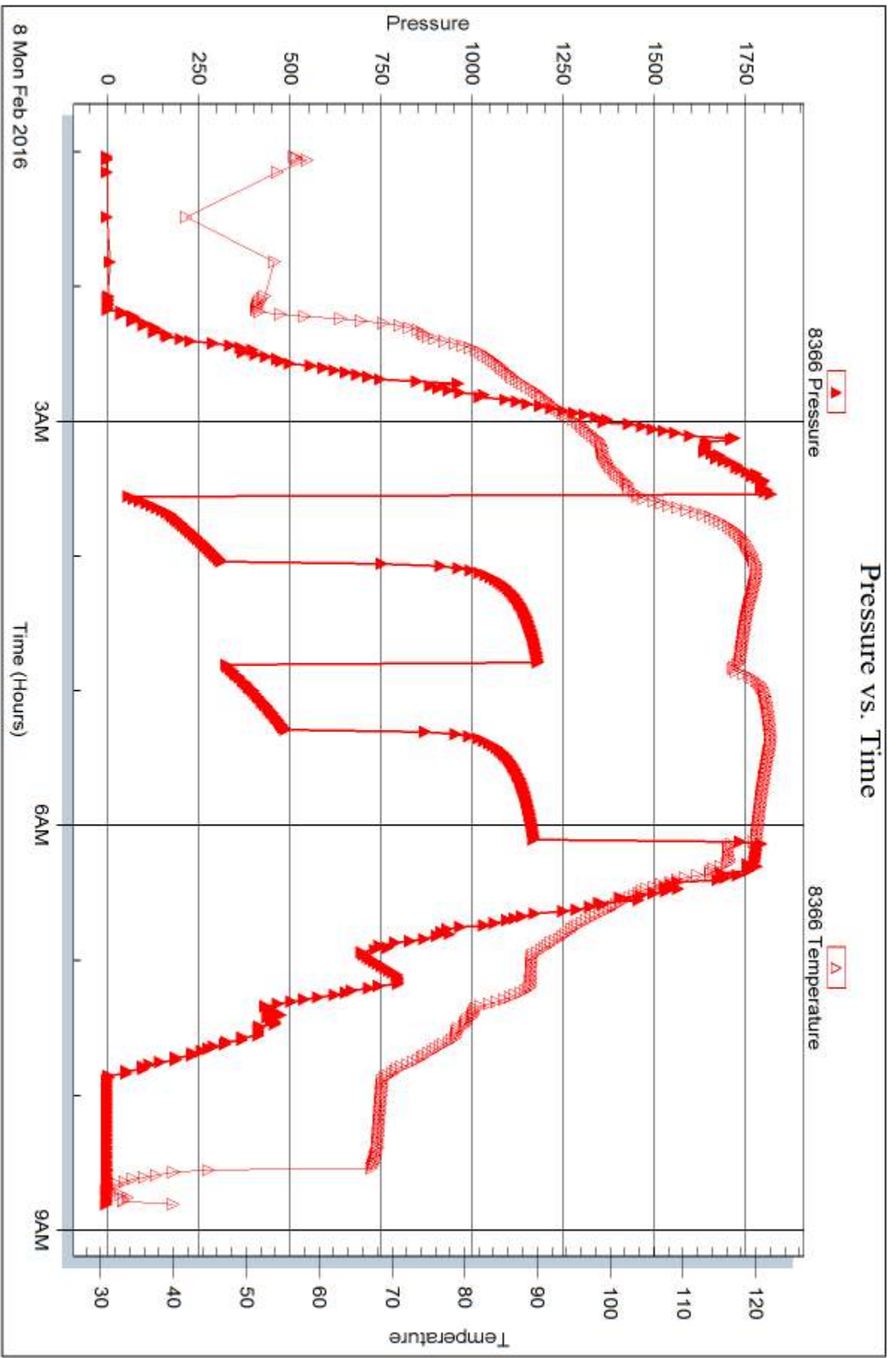


Serial #: 8366

Outside Dow nrg-Nelson Oil Co., Inc.

11-1s-33w Rawlins KS

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 65326

Printed: 2016.02.12 @ 15:54:05



## DRILL STEM TEST REPORT

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

PO Box 1019  
Hays, KS 67601

ATTN: Marc Downing

**11-1s-33w Rawlins KS**

**Marjorie-Norma Jean Unit #1-11**

Start Date: 2016.02.08 @ 18:55:00

End Date: 2016.02.09 @ 03:00:15

Job Ticket #: 65327                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.02.12 @ 15:50:49

Downing-Nelson Oil Co., Inc.

Marjorie-Norma Jean Unit #1-11

11-1s-33w Rawlins KS

DST # 2

LKC "B"

2016.02.08





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co., Inc.

**Marjorie-Norma Jean Unit #1-11**

PO Box 1019  
Hays, KS 67601

**11-1s-33w Rawlins KS**

ATTN: Marc Dow ning

Job Ticket: 65327

**DST#: 2**

Test Start: 2016.02.08 @ 18:55:00

## GENERAL INFORMATION:

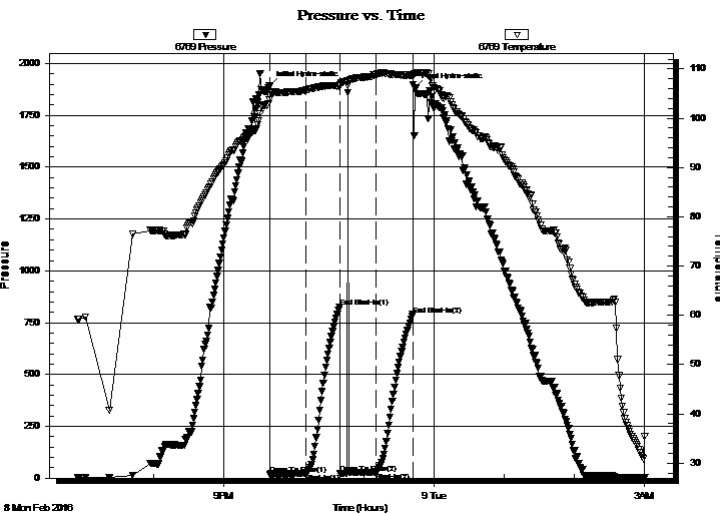
Formation: **LKC "B"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 21:39:30  
 Time Test Ended: 03:00:15  
 Interval: **3844.00 ft (KB) To 3902.00 ft (KB) (TVD)**  
 Total Depth: 3902.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: James Winder  
 Unit No: 83  
 Reference Elevations: 2915.00 ft (KB)  
 2905.00 ft (CF)  
 KB to GR/CF: 10.00 ft

## Serial #: 6769

Inside

Press@RunDepth: 29.22 psig @ 3845.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.02.08 End Date: 2016.02.09 Last Calib.: 2016.02.09  
 Start Time: 18:55:05 End Time: 03:00:14 Time On Btm: 2016.02.08 @ 21:39:15  
 Time Off Btm: 2016.02.08 @ 23:44:00

TEST COMMENT: 30 - IF: Blow built to 1/2", died back, dead at 24 min. (Diesel in bucket)  
 30 - IS: No blow  
 30 - FF: No blow, Flushed tool, surface blow for 4 min., then dead  
 30 - FS: No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1891.15	103.83	Initial Hydro-static
1	19.31	104.57	Open To Flow (1)
31	22.31	105.78	Shut-In(1)
60	825.53	106.53	End Shut-In(1)
61	24.06	106.86	Open To Flow (2)
92	29.22	108.91	Shut-In(2)
123	788.40	108.73	End Shut-In(2)
125	1882.87	109.11	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w/oil spots 98%m, 2%o	0.10

\* Recovery from multiple tests

## 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.

**Marjorie-Norma Jean Unit #1-11**

PO Box 1019  
Hays, KS 67601

**11-1s-33w Rawlins KS**

Job Ticket: 65327

**DST#: 2**

ATTN: Marc Dow ning

Test Start: 2016.02.08 @ 18:55:00

## Tool Information

Drill Pipe:	Length: 3531.00 ft	Diameter: 3.80 inches	Volume: 49.53 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 312.00 ft	Diameter: 3.25 inches	Volume: 3.20 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 52.73 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3844.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	58.00 ft			
Tool Length:	87.00 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			3816.00	
Shut In Tool	5.00			3821.00	
Hydraulic tool	5.00			3826.00	
Jars	5.00			3831.00	
Safety Joint	3.00			3834.00	
Packer	5.00			3839.00	29.00 Bottom Of Top Packer
Packer	5.00			3844.00	
Stubb	1.00			3845.00	
Recorder	0.00	6769	Inside	3845.00	
Recorder	0.00	8366	Outside	3845.00	
Perforations	20.00			3865.00	
Blank Spacing	34.00			3899.00	
Bullnose	3.00			3902.00	58.00 Bottom Packers & Anchor

**Total Tool Length: 87.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Dow ning-Nelson Oil Co., Inc.

**Marjorie-Norma Jean Unit #1-11**

PO Box 1019  
Hays, KS 67601

**11-1s-33w Rawlins KS**

Job Ticket: 65327

**DST#: 2**

ATTN: Marc Dow ning

Test Start: 2016.02.08 @ 18:55:00

### 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: bbl

Water Loss: 7.95 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud w /oil spots 98% <sub>m</sub> , 2% <sub>o</sub>	0.103

Total Length: 10.00 ft      Total Volume: 0.103 bbl

Num Fluid Samples: 0

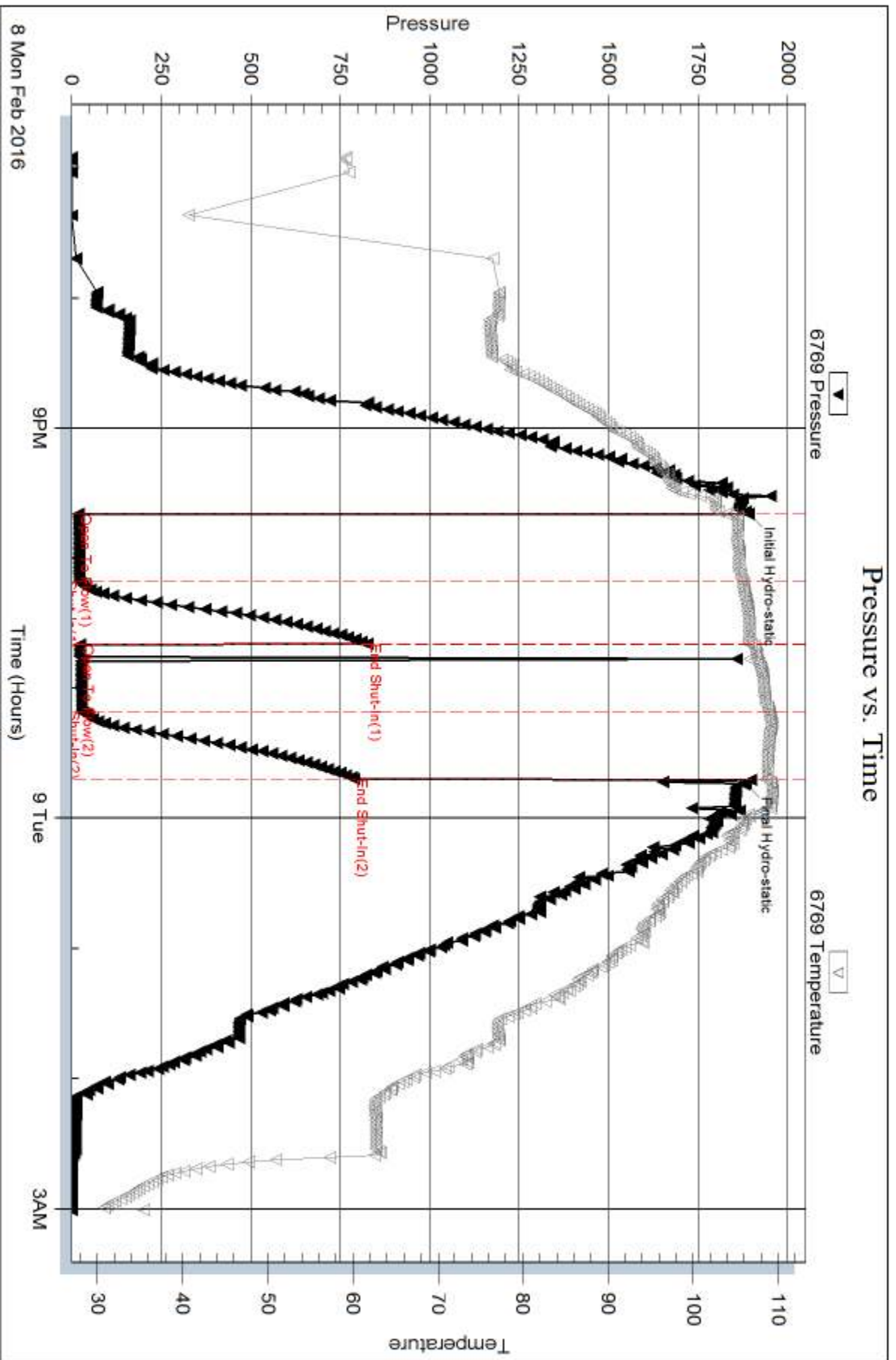
Num Gas Bombs: 0

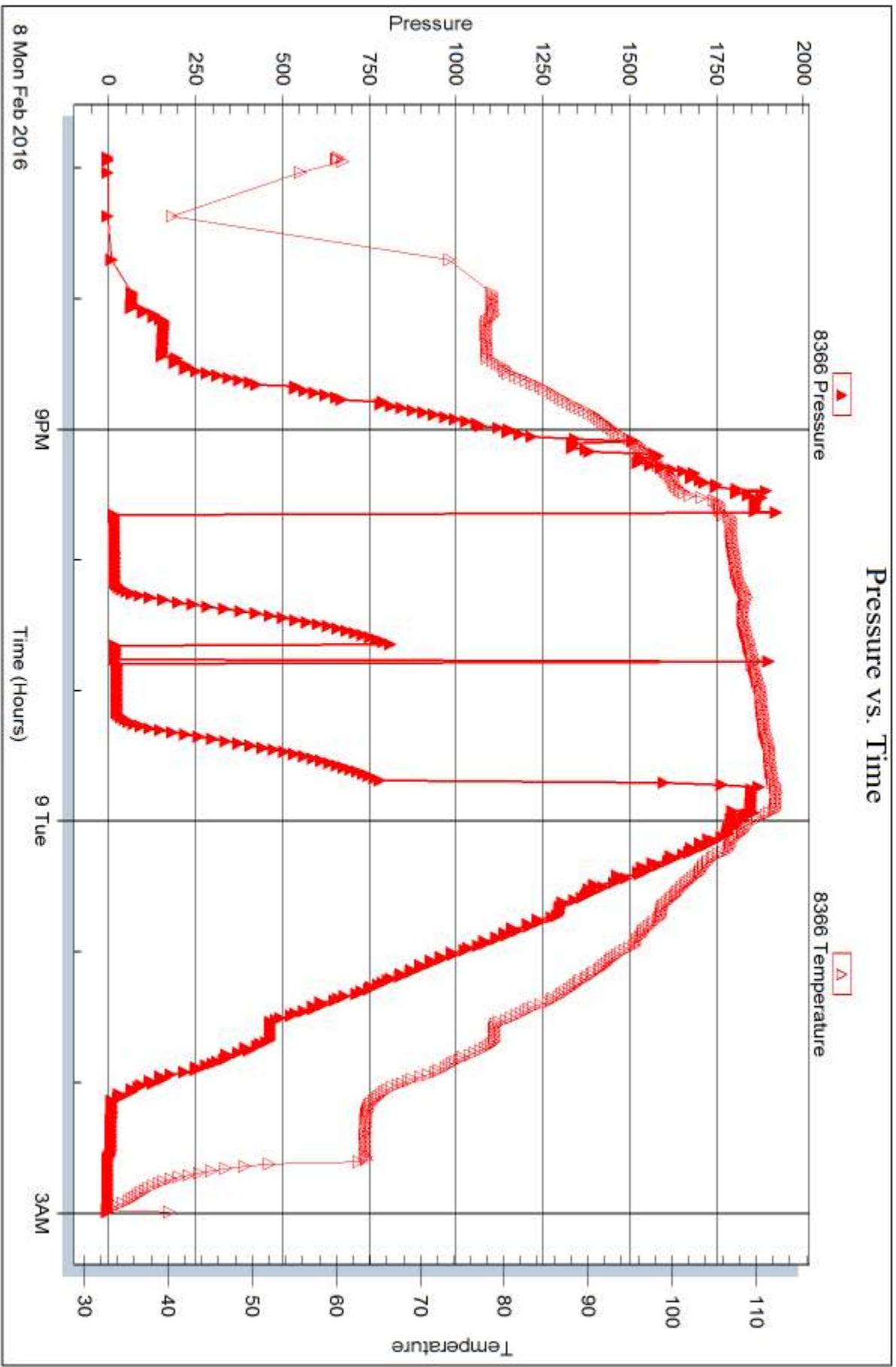
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

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

PO Box 1019  
Hays, KS 67601

ATTN: Marc Downing

**11-1s-33w Rawlins KS**

**Marjorie-Norma Jean Unit #1-11**

Start Date: 2016.02.11 @ 03:53:00

End Date: 2016.02.11 @ 09:37:30

Job Ticket #: 65328                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.02.12 @ 15:46:46



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co., Inc.

**Marjorie-Norma Jean Unit #1-11**

PO Box 1019  
Hays, KS 67601

**11-1s-33w Rawlins KS**

Job Ticket: 65328

**DST#: 3**

ATTN: Marc Dow ning

Test Start: 2016.02.11 @ 03:53:00

## GENERAL INFORMATION:

Formation: **LKC "C - D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:53:45

Time Test Ended: 09:37:30

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

**Interval: 3897.00 ft (KB) To 3997.00 ft (KB) (TVD)**

Reference Elevations: 2915.00 ft (KB)

Total Depth: 3997.00 ft (KB) (TVD)

2905.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 6769**

**Inside**

Press@RunDepth: 27.61 psig @ 3898.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.02.11

End Date:

2016.02.11

Last Calib.:

2016.02.11

Start Time: 03:53:05

End Time:

09:37:29

Time On Btm:

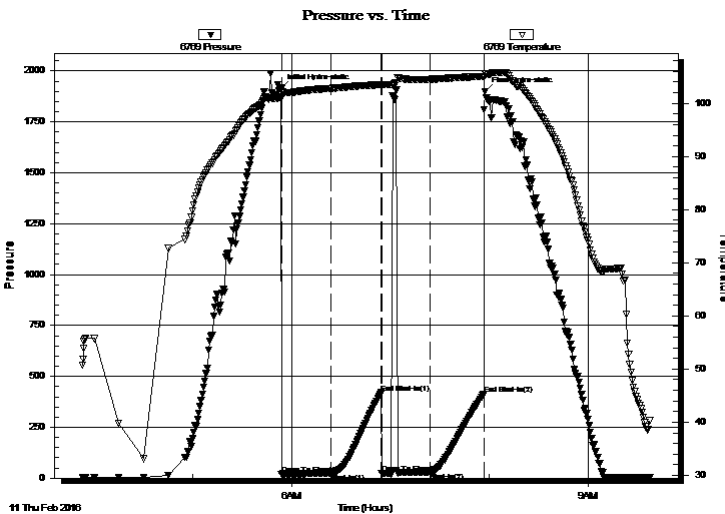
2016.02.11 @ 05:53:30

Time Off Btm:

2016.02.11 @ 07:57:30

**TEST COMMENT:** 30 - IF: 1/2" Blow at open, built slightly then died back, dead at 12 min.  
30 - IS: No blow (Diesel in bucket)  
30 - FF: No blow, Flushed tool, surface blow for 4 1/2 min., then dead  
30 - FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1912.70	101.11	Initial Hydro-static
1	19.40	101.19	Open To Flow (1)
31	22.76	102.81	Shut-In(1)
61	419.63	103.49	End Shut-In(1)
61	23.10	103.45	Open To Flow (2)
91	27.61	104.51	Shut-In(2)
123	412.43	105.07	End Shut-In(2)
124	1898.79	105.47	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
12.00	Mud w /trace oil 100% m	0.12

\* Recovery from multiple tests

## 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.

**Marjorie-Norma Jean Unit #1-11**

PO Box 1019  
Hays, KS 67601

**11-1s-33w Rawlins KS**

Job Ticket: 65328

**DST#: 3**

ATTN: Marc Dow ning

Test Start: 2016.02.11 @ 03:53:00

## Tool Information

Drill Pipe:	Length: 3563.00 ft	Diameter: 3.80 inches	Volume: 49.98 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 312.00 ft	Diameter: 3.25 inches	Volume: 3.20 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 53.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3897.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	100.00 ft			
Tool Length:	129.00 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			3869.00	
Shut In Tool	5.00			3874.00	
Hydraulic tool	5.00			3879.00	
Jars	5.00			3884.00	
Safety Joint	3.00			3887.00	
Packer	5.00			3892.00	29.00 Bottom Of Top Packer
Packer	5.00			3897.00	
Stubb	1.00			3898.00	
Recorder	0.00	6769	Inside	3898.00	
Recorder	0.00	8366	Outside	3898.00	
Perforations	30.00			3928.00	
Blank Spacing	66.00			3994.00	
Bullnose	3.00			3997.00	100.00 Bottom Packers & Anchor

**Total Tool Length: 129.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Dow ning-Nelson Oil Co., Inc.

**Marjorie-Norma Jean Unit #1-11**

PO Box 1019  
Hays, KS 67601

**11-1s-33w Rawlins KS**

Job Ticket: 65328

**DST#: 3**

ATTN: Marc Dow ning

Test Start: 2016.02.11 @ 03:53:00

### 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: 47.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
12.00	Mud w /trace oil 100%m	0.123

Total Length: 12.00 ft      Total Volume: 0.123 bbl

Num Fluid Samples: 0

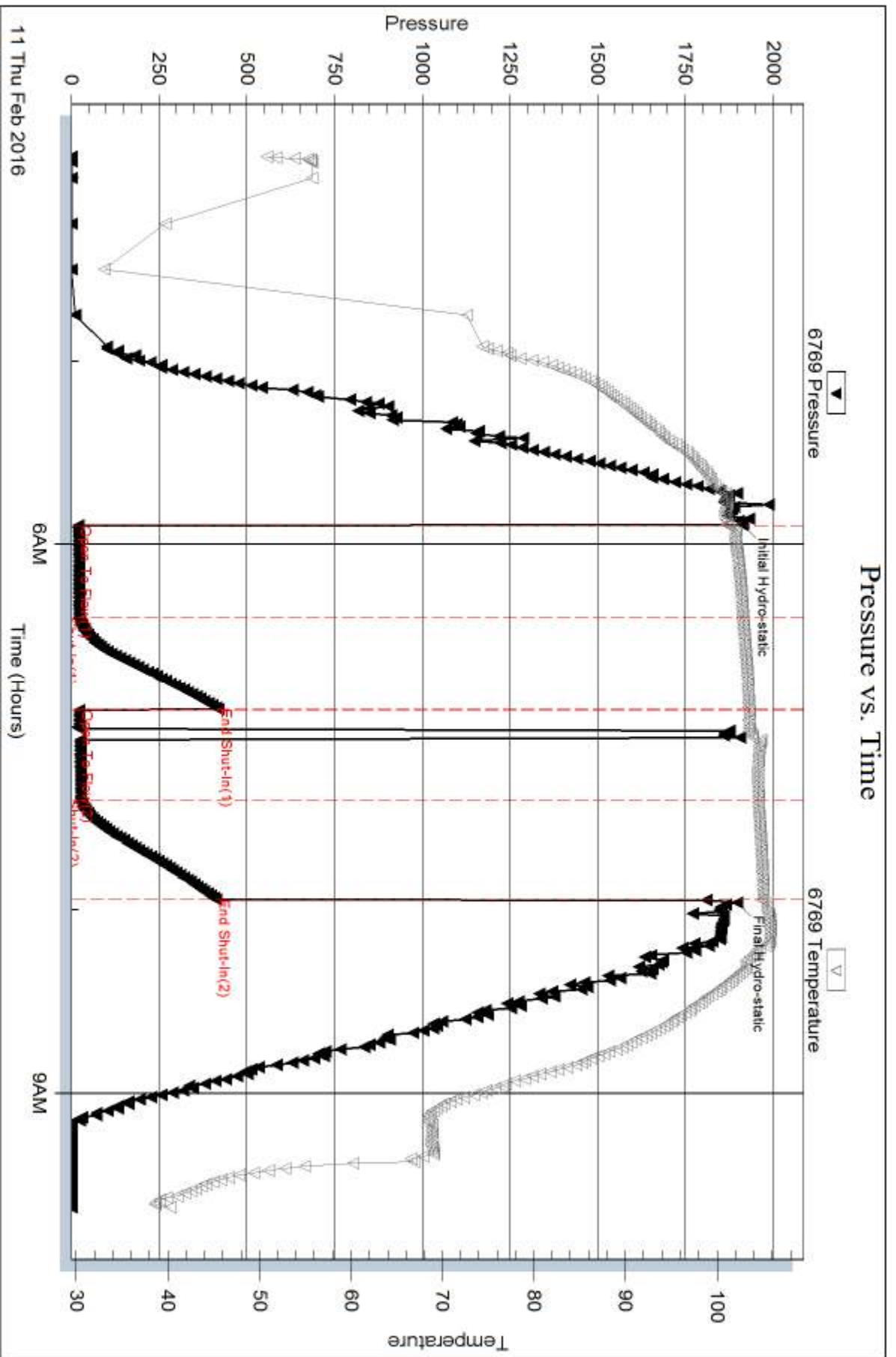
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

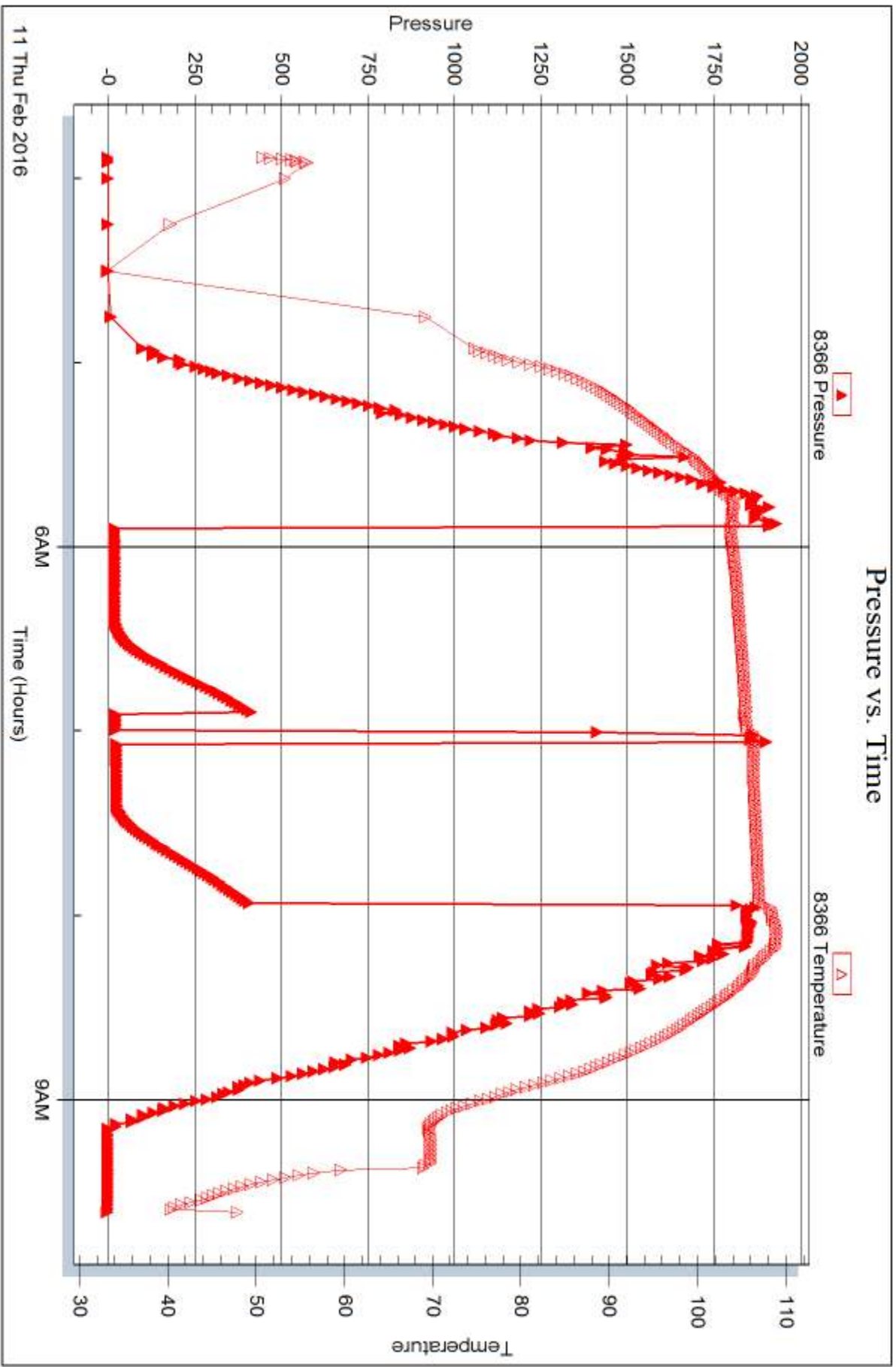


Serial #: 8366

Outside Dow n/g-Nelson Oil Co., Inc.

11-1s-33w Rawlins KS

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 65328

Printed: 2016.02.12 @ 15:46:50



## DRILL STEM TEST REPORT

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

PO Box 1019  
Hays, KS 67601

ATTN: Marc Downing

### **11-1s-33w Rawlins KS**

#### **Marjorie-Norma Jean Unit #1-11**

Start Date: 2016.02.11 @ 16:28:00

End Date: 2016.02.11 @ 22:08:15

Job Ticket #: 65329                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.02.12 @ 15:44:24



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co., Inc.

**Marjorie-Norma Jean Unit #1-11**

PO Box 1019  
Hays, KS 67601

**11-1s-33w Rawlins KS**

Job Ticket: 65329

**DST#: 4**

ATTN: Marc Dow ning

Test Start: 2016.02.11 @ 16:28:00

## GENERAL INFORMATION:

Formation: **LKC "E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:16:30

Time Test Ended: 22:08:15

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

**Interval: 3991.00 ft (KB) To 4040.00 ft (KB) (TVD)**

Reference Elevations: 2915.00 ft (KB)

Total Depth: 4040.00 ft (KB) (TVD)

2905.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 6769**

**Inside**

Press@RunDepth: 27.33 psig @ 3992.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.02.11

End Date:

2016.02.11

Last Calib.:

2016.02.11

Start Time: 16:28:05

End Time:

22:08:14

Time On Btm:

2016.02.11 @ 18:15:15

Time Off Btm:

2016.02.11 @ 20:21:15

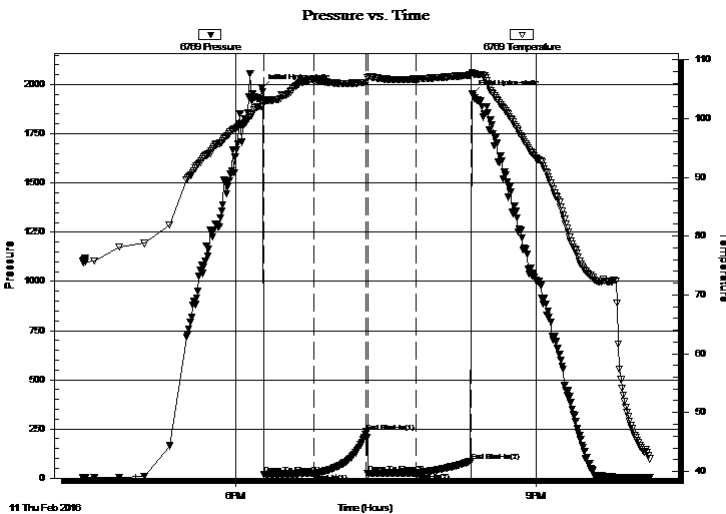
**TEST COMMENT:** 30 - IF: Blow built to about 1/2", died back, dead at 18 min. (Diesel in bucket)

30 - IS: No blow

30 - FF: Surface blow for 8 min., then dead

30 - FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1981.94	102.03	Initial Hydro-static
2	19.49	102.97	Open To Flow (1)
32	23.99	106.65	Shut-In(1)
63	235.24	106.12	End Shut-In(1)
64	24.09	106.88	Open To Flow (2)
93	27.33	106.70	Shut-In(2)
126	86.99	107.38	End Shut-In(2)
126	1951.33	107.84	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	OCM 90% m, 8% o, 2% g	0.15
1.00	Free Oil	0.01

\* Recovery from multiple tests

## 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.

**Marjorie-Norma Jean Unit #1-11**

PO Box 1019  
Hays, KS 67601

**11-1s-33w Rawlins KS**

Job Ticket: 65329

**DST#: 4**

ATTN: Marc Dow ning

Test Start: 2016.02.11 @ 16:28:00

## Tool Information

Drill Pipe:	Length: 3661.00 ft	Diameter: 3.80 inches	Volume: 51.35 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 312.00 ft	Diameter: 3.25 inches	Volume: 3.20 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 54.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3991.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	49.00 ft			
Tool Length:	78.00 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			3963.00	
Shut In Tool	5.00			3968.00	
Hydraulic tool	5.00			3973.00	
Jars	5.00			3978.00	
Safety Joint	3.00			3981.00	
Packer	5.00			3986.00	29.00 Bottom Of Top Packer
Packer	5.00			3991.00	
Stubb	1.00			3992.00	
Recorder	0.00	6769	Inside	3992.00	
Recorder	0.00	8366	Outside	3992.00	
Perforations	11.00			4003.00	
Blank Spacing	34.00			4037.00	
Bullnose	3.00			4040.00	49.00 Bottom Packers & Anchor

**Total Tool Length: 78.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Dow ning-Nelson Oil Co., Inc.

**Marjorie-Norma Jean Unit #1-11**

PO Box 1019  
Hays, KS 67601

**11-1s-33w Rawlins KS**

Job Ticket: 65329

**DST#: 4**

ATTN: Marc Dow ning

Test Start: 2016.02.11 @ 16:28:00

### 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: bbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OCM 90% <i>m</i> , 8% <i>o</i> , 2% <i>g</i>	0.154
1.00	Free Oil	0.010

Total Length: 16.00 ft      Total Volume: 0.164 bbl

Num Fluid Samples: 0

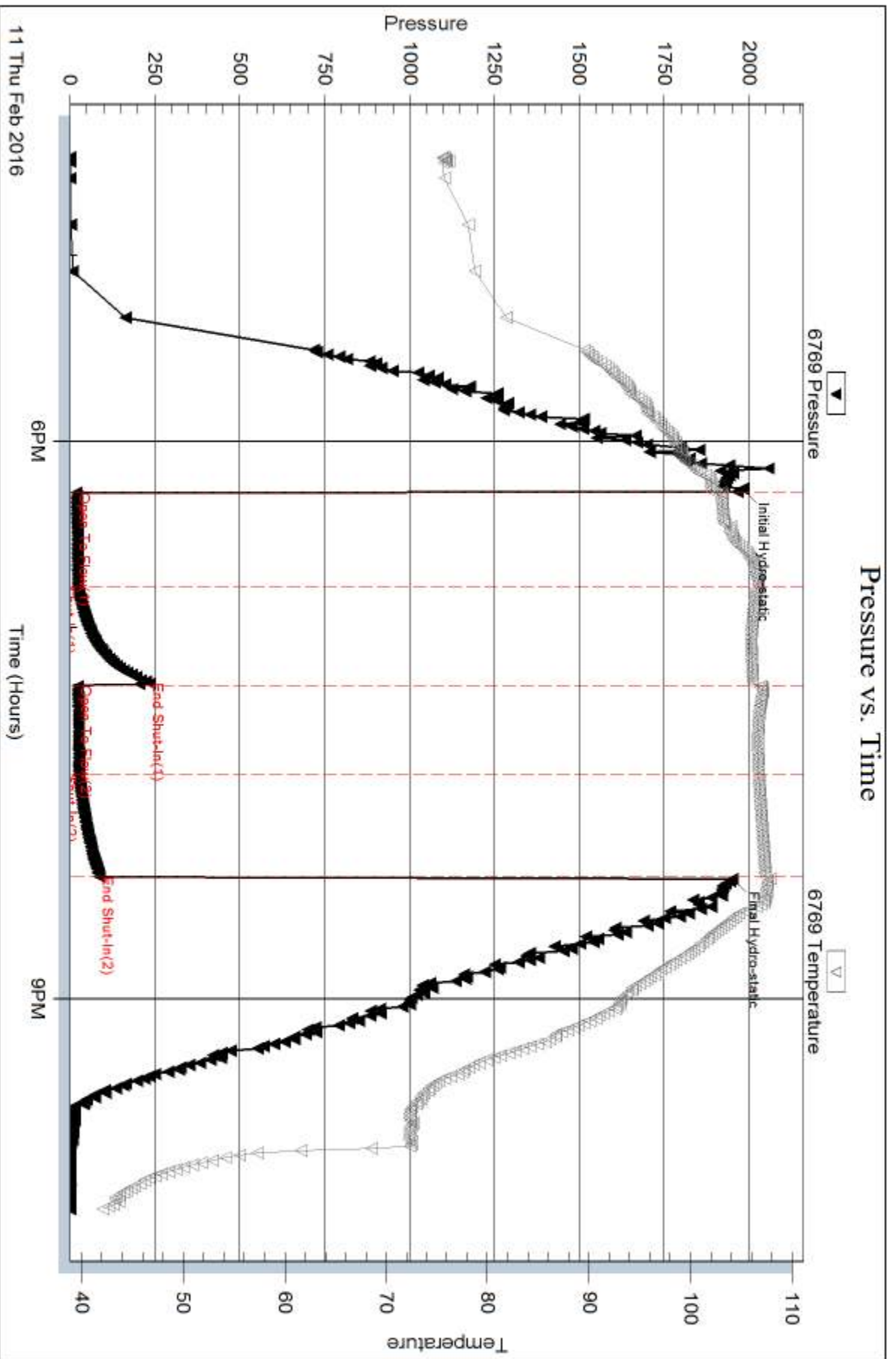
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

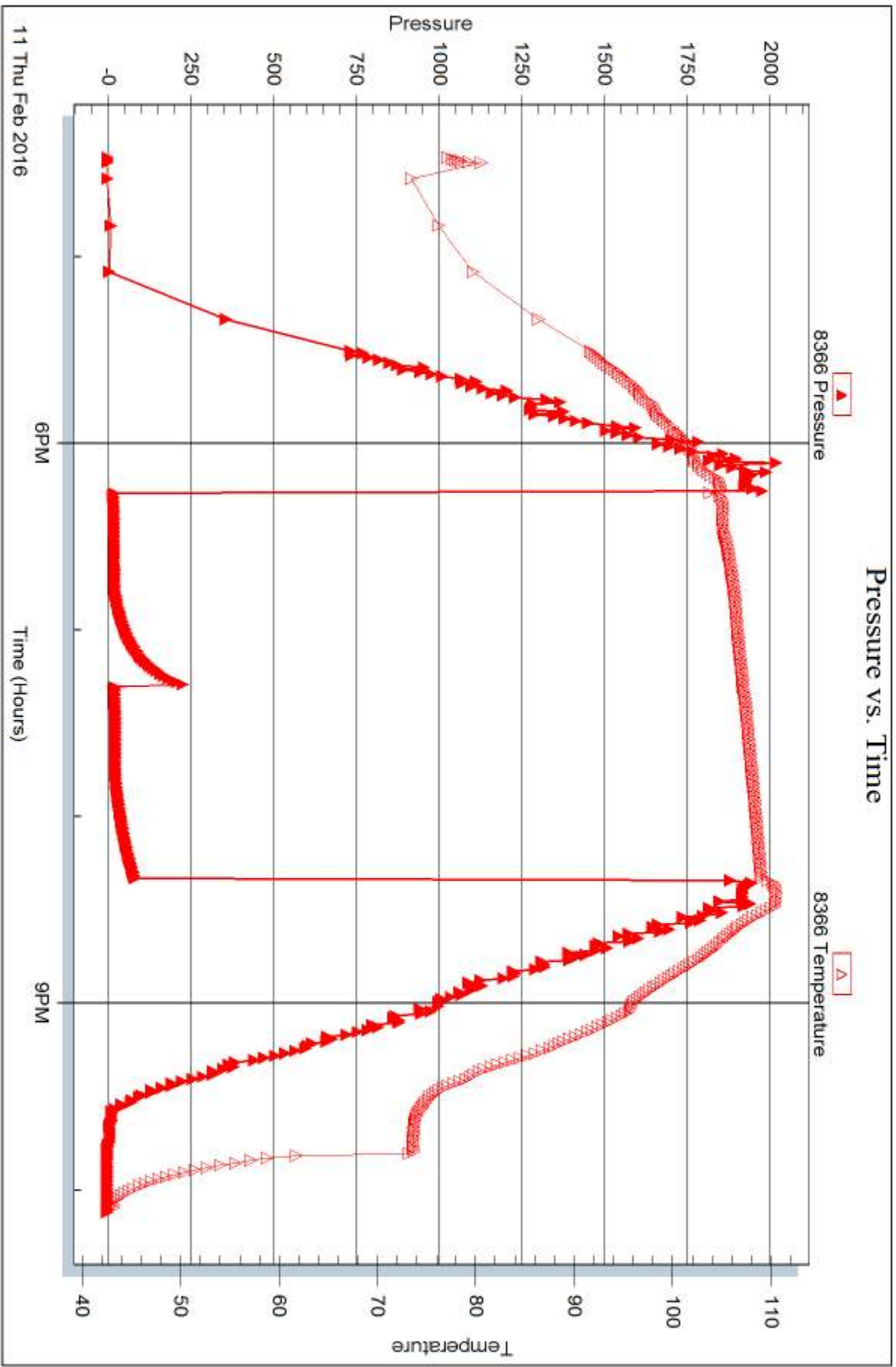


Serial #: 8366

Outside Dow nging-Nelson Oil Co., Inc.

11-1s-33w Rawlins KS

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 65329

Printed: 2016.02.12 @ 15:44:37



## DRILL STEM TEST REPORT

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

PO Box 1019  
Hays, KS 67601

ATTN: Marc Downing

**11-1s-33w Rawlins KS**

**Marjorie-Norma Jean Unit #1-11**

Start Date: 2016.02.12 @ 07:22:00

End Date: 2016.02.12 @ 13:18:00

Job Ticket #: 56330                      DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.02.12 @ 15:43:01

Downing-Nelson Oil Co., Inc.

Marjorie-Norma Jean Unit #1-11

11-1s-33w Rawlins KS

DST # 5

LKC "F"

2016.02.12



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co., Inc.

**Marjorie-Norma Jean Unit #1-11**

PO Box 1019  
Hays, KS 67601

**11-1s-33w Rawlins KS**

Job Ticket: 56330

**DST#: 5**

ATTN: Marc Dow ning

Test Start: 2016.02.12 @ 07:22:00

## GENERAL INFORMATION:

Formation: **LKC "F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:11:45

Time Test Ended: 13:18:00

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

**Interval: 4035.00 ft (KB) To 4124.00 ft (KB) (TVD)**

Reference Elevations: 2915.00 ft (KB)

Total Depth: 4124.00 ft (KB) (TVD)

2905.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 6769**

**Inside**

Press@RunDepth: 36.82 psig @ 4036.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.02.12

End Date:

2016.02.12

Last Calib.:

2016.02.12

Start Time:

07:22:05

End Time:

13:17:59

Time On Btm:

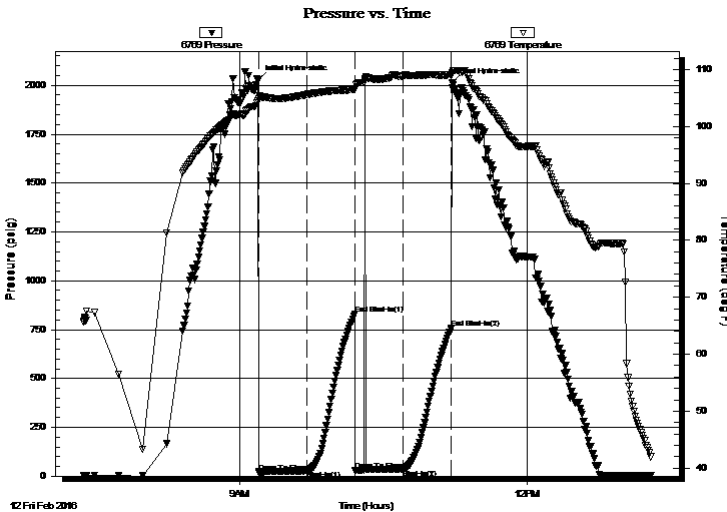
2016.02.12 @ 09:11:30

Time Off Btm:

2016.02.12 @ 11:13:15

**TEST COMMENT:** 30 - IF: 1/4" Blow at open, built to 3/4", died back, dead at 24 min.  
30 - IS: No blow (Diesel in bucket)  
30 - FF: No blow, Flushed tool, surface blow for 5 min., then dead  
30 - FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2030.41	104.46	Initial Hydro-static
1	19.52	104.78	Open To Flow (1)
31	27.80	105.59	Shut-In(1)
61	829.46	106.47	End Shut-In(1)
61	29.45	106.60	Open To Flow (2)
91	36.82	108.72	Shut-In(2)
121	757.96	109.05	End Shut-In(2)
122	2013.50	109.50	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud w /trace oil 100%m	0.31

## 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.

**Marjorie-Norma Jean Unit #1-11**

PO Box 1019  
Hays, KS 67601

**11-1s-33w Rawlins KS**

Job Ticket: 56330

**DST#: 5**

ATTN: Marc Dow ning

Test Start: 2016.02.12 @ 07:22:00

## Tool Information

Drill Pipe:	Length: 3722.00 ft	Diameter: 3.80 inches	Volume: 52.21 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 312.00 ft	Diameter: 3.25 inches	Volume: 3.20 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 55.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4035.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	89.00 ft			
Tool Length:	118.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4007.00	
Shut In Tool	5.00			4012.00	
Hydraulic tool	5.00			4017.00	
Jars	5.00			4022.00	
Safety Joint	3.00			4025.00	
Packer	5.00			4030.00	29.00 Bottom Of Top Packer
Packer	5.00			4035.00	
Stubb	1.00			4036.00	
Recorder	0.00	6769	Inside	4036.00	
Recorder	0.00	8366	Outside	4036.00	
Perforations	19.00			4055.00	
Blank Spacing	66.00			4121.00	
Bullnose	3.00			4124.00	89.00 Bottom Packers & Anchor

**Total Tool Length: 118.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Dow ning-Nelson Oil Co., Inc.

**Marjorie-Norma Jean Unit #1-11**

PO Box 1019  
Hays, KS 67601

**11-1s-33w Rawlins KS**

Job Ticket: 56330

**DST#: 5**

ATTN: Marc Dow ning

Test Start: 2016.02.12 @ 07:22:00

### 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: 7.96 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	Mud w /trace oil 100%m	0.308

Total Length: 30.00 ft      Total Volume: 0.308 bbl

Num Fluid Samples: 0

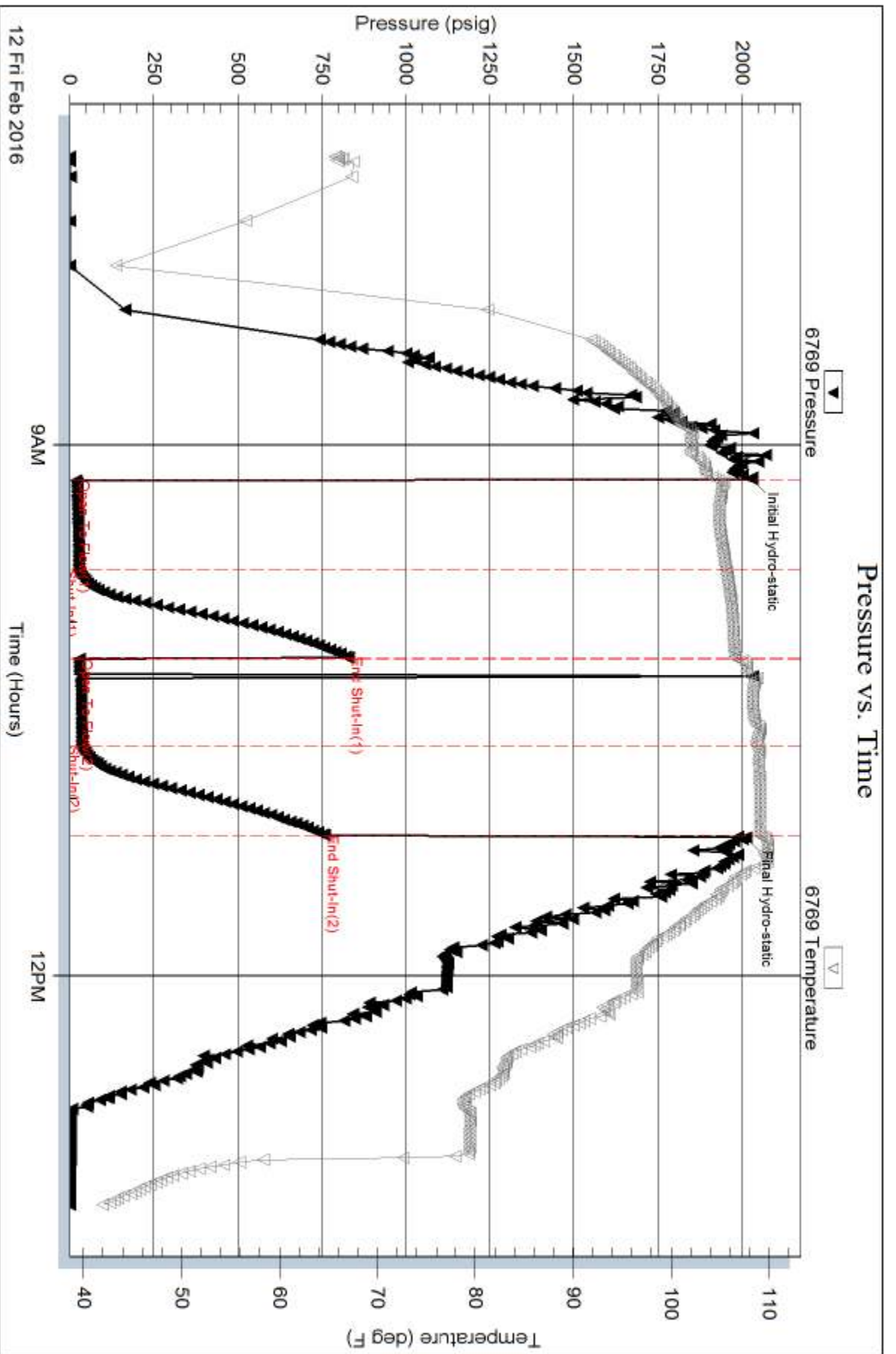
Num Gas Bombs: 0

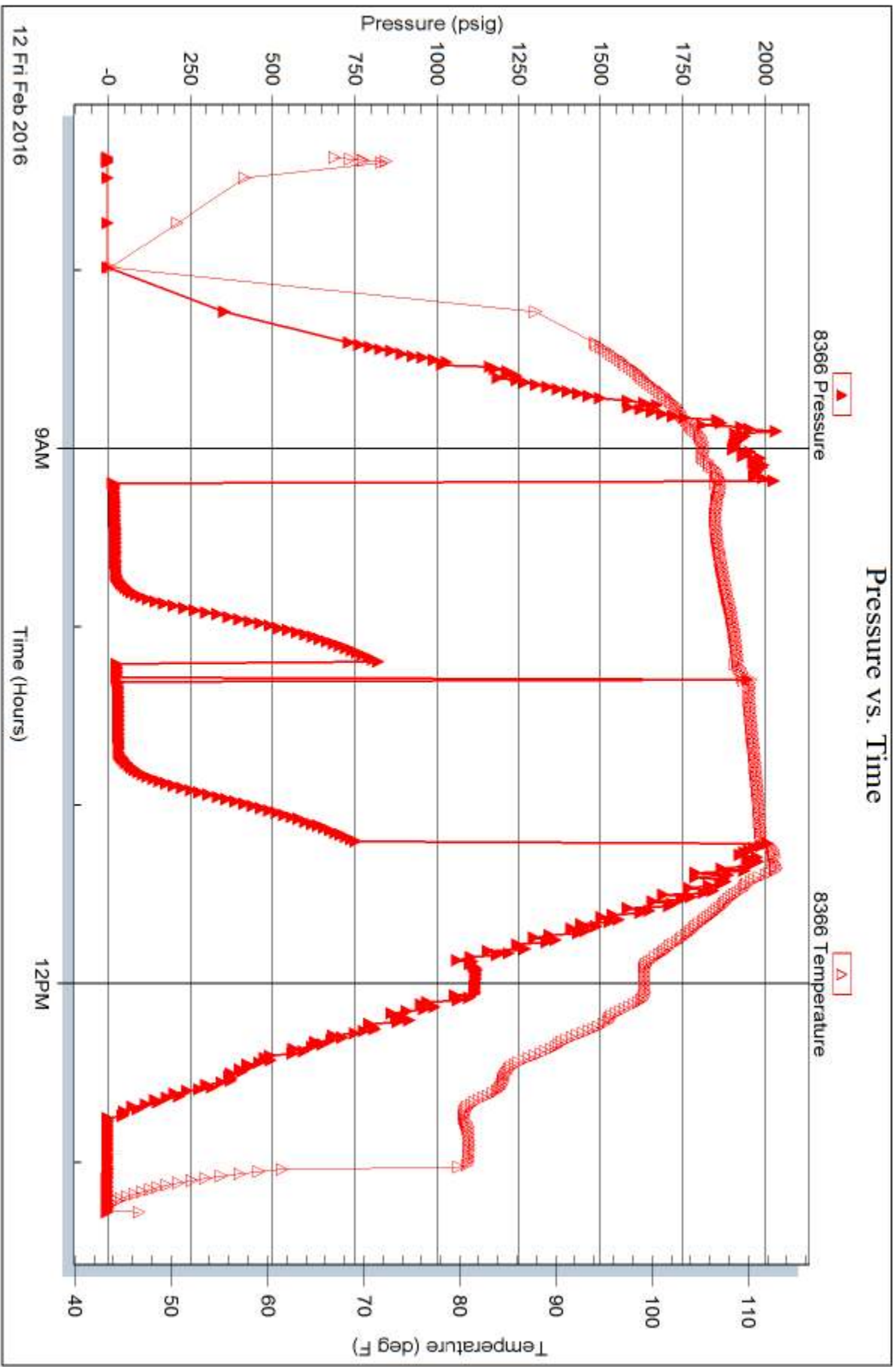
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **65326**

Well Name & No. Marjorie - Norma Jean Unit #1-11 Test No. 1 Date 2-8-16  
 Company Downing-Nelson Oil Co. Inc Elevation 2915 KB 2905 GL  
 Address PO Box 1019 Hays, KS 67601  
 Co. Rep / Geo. Marc Downing Rig Discovery #1  
 Location: Sec. 11 Twp. 1S Rge. 33W Co. Rawlins State KS

Interval Tested 3734-3780 Zone Tested Oread  
 Anchor Length 46 Drill Pipe Run 3404 Mud Wt. 8.7  
 Top Packer Depth 3729 Drill Collars Run - Vis 57  
 Bottom Packer Depth 3734 Wt. Pipe Run 312 WL 8.0  
 Total Depth 3780 Chlorides 500 ppm System LCM 4

Blow Description IF: Blow built to BOB (11") at 3 3/4 min. (Diesel in bucket)  
ISI: Weak surface blowback, dead at 24 min.  
FF: Blow built to BOB at 5 min.  
FSI: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>130</u>	<u>MCW w/trace oil</u>	<u>trace</u>	<u>64</u>	<u>36</u>	
<u>250</u>	<u>MCW w/trace oil</u>	<u>trace</u>	<u>89</u>	<u>11</u>	
<u>635</u>	<u>SMCW w/trace oil</u>	<u>trace</u>	<u>95</u>	<u>5</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1015 BHT 118 Gravity API RW, 368 @ 45 °F Chlorides 29000 ppm  
 (A) Initial Hydrostatic 1822  Test 1050 T-On Location 23:45 2/3  
 (B) First Initial Flow 55  Jars 250 T-Started 1:02  
 (C) First Final Flow 321  Safety Joint 75 T-Open 3:32  
 (D) Initial Shut-In 1185  Circ Sub \_\_\_\_\_ T-Pulled 6:06  
 (E) Second Initial Flow 329  Hourly Standby \_\_\_\_\_ T-Out 8:45 2/3  
 (F) Second Final Flow 493  Mileage 88RT Comments \_\_\_\_\_  
 (G) Final Shut-In 1174  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1799  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 30  
 Final Shut-In 45  
 Sub Total 0  
 Total 1463  
 MP/DST Disc't \_\_\_\_\_  
 Sub Total 1463

Approved By \_\_\_\_\_ Our Representative James Wain

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **65327**

Well Name & No. Marjorie - Norma Jean Unit #1-11 Test No. 2 Date 2-8-16  
 Company Downing - Nelson Oil Co. Inc Elevation 2915 KB 2905 GL  
 Address PO Box 1019 Hays, KS 67601  
 Co. Rep / Geo. Marc Downing Rig Discovery #1  
 Location: Sec. 11 Twp. 15 Rge. 33w Co. Rawlins State KS

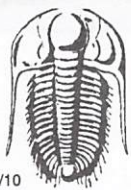
Interval Tested 3844 - 3902 Zone Tested LKC "B"  
 Anchor Length 58 Drill Pipe Run 3531 Mud Wt. 9.0  
 Top Packer Depth 3839 Drill Collars Run - Vis 49  
 Bottom Packer Depth 3844 Wt. Pipe Run 312 WL 8.0  
 Total Depth 3902 Chlorides 500 ppm System LCM 2 1/2  
 Blow Description IF: Blow built to 1/2", died back, dead at 24 min. (Diesel in bucket)  
ISI: No blow  
FF: No blow, Flushed tool, surface blow for 4 min, then dead  
FSI: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>mud w/oil spots</u>	<u>-</u>	<u>2</u>	<u>-</u>	<u>98</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 10 BHT 109 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1891  Test 1050 T-On Location 18:00 3/8  
 (B) First Initial Flow 19  Jars 250 T-Started 18:55  
 (C) First Final Flow 22  Safety Joint 75 T-Open 21:39  
 (D) Initial Shut-In 826  Circ Sub \_\_\_\_\_ T-Pulled 23:41  
 (E) Second Initial Flow 24  Hourly Standby \_\_\_\_\_ T-Out 2:55 2/9  
 (F) Second Final Flow 29  Mileage 88 RT Comments \_\_\_\_\_  
 (G) Final Shut-In 788  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1883  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 30  Day Standby \_\_\_\_\_ Total 1463  
 Final Flow 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 30 Sub Total 1463

Approved By \_\_\_\_\_ Our Representative James Winder  
 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. **65328**

4/10

Well Name & No. Marjorie - Norma Jean Unit #1-11 Test No. 3 Date 2-11-16  
 Company Downing - Nelson Oil Co. Inc Elevation 2915 KB 2905 GL  
 Address PO Box 1019 Hays KS 67601  
 Co. Rep / Geo. Marc Downing Rig Discovery #1  
 Location: Sec. 11 Twp. 15 Rge. 33w Co. Rawlins State KS

Interval Tested 3897 - 3997 Zone Tested LKC "C-D"  
 Anchor Length 100 Drill Pipe Run 3563 Mud Wt. 8.9  
 Top Packer Depth 3892 Drill Collars Run - Vis 47  
 Bottom Packer Depth 3897 Wt. Pipe Run 312 WL 8.0  
 Total Depth 3997 Chlorides 500 ppm System LCM 1 1/2  
 Blow Description IF: 1/2" Blow at open, built slightly, died back, dead at 12 min.  
IST: No blow (Diesel in bucket)  
FF: No blow, Flushed tool, surface blow for 4 1/2 min, then dead  
FSI: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>12</u>	<u>Mud w/trace oil</u>	<u>trace</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

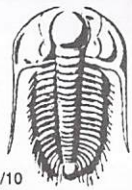
Rec Total 12 BHT 105 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1913  Test 1050 T-On Location 3:30  
 (B) First Initial Flow 19  Jars 250 T-Started 3:53  
 (C) First Final Flow 23  Safety Joint 75 T-Open 5:53  
 (D) Initial Shut-In 420  Circ Sub \_\_\_\_\_ T-Pulled 7:56  
 (E) Second Initial Flow 23  Hourly Standby \_\_\_\_\_ T-Out 9:35  
 (F) Second Final Flow 28  Mileage 88RT Comments \_\_\_\_\_  
 (G) Final Shut-In 412  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1899  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby 1.5d 12.5h  
 Accessibility \_\_\_\_\_  
 Sub Total 1463

Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 416.67  
 Total 1463+416.67  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative James Winder

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. **65329**

Well Name & No. Marjorie - Norma Jean Unit # 1-11 Test No. 4 Date 2-11-16  
 Company Downing Nelson Oil Co. Inc Elevation 2915 KB 2905 GL  
 Address PO Box 1019 Hays, KS 67601  
 Co. Rep / Geo. Marc Downing Rig Discovery #1  
 Location: Sec. 11 Twp. 1S Rge. 33W Co. Rawlins State KS

Interval Tested 3991 - 4040 Zone Tested LKC "E"  
 Anchor Length 49 Drill Pipe Run 3661 Mud Wt. 9.3  
 Top Packer Depth 3986 Drill Collars Run - Vis 49  
 Bottom Packer Depth 3991 Wt. Pipe Run 312 WL 8.0  
 Total Depth 4040 Chlorides 2500 ppm System LCM 2 1/2  
 Blow Description IF: Blow built to about 1/2", died back, dead at 18 min. (Diesel in bucket)  
ISI: No blow  
FF: surface blow for 8 min, then dead  
FSI: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Free Oil</u>				
<u>15</u>	<u>OCM</u>	<u>2</u>	<u>8</u>		<u>90</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 16 BHT 107 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1982  Test 1150 T-On Location 16:00  
 (B) First Initial Flow 19  Jars 250 T-Started 16:28  
 (C) First Final Flow 24  Safety Joint 75 T-Open 18:16  
 (D) Initial Shut-In 235  Circ Sub \_\_\_\_\_ T-Pulled 20:20  
 (E) Second Initial Flow 24  Hourly Standby \_\_\_\_\_ T-Out 22:00  
 (F) Second Final Flow 27  Mileage 88RT Comments \_\_\_\_\_  
 (G) Final Shut-In 87  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1951  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Initial Open 30  Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_  
 Final Shut-In 30  Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1563 Sub Total 1563 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative James Ninder

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **65330**

4/10

Well Name & No. Marjorie - Norma Jean Unit #1-11 Test No. 5 Date 2-12-16  
 Company Downing-Nelson Oil Co. Inc Elevation 2915 KB 2905 GL  
 Address PO Box 1019 Hays KS 67601  
 Co. Rep / Geo. Marc Downing Rig Discovery #1  
 Location: Sec. 11 Twp. 15 Rge. 33W Co. Rawlins State KS

Interval Tested 4035 - 4124 Zone Tested LKC "F"  
 Anchor Length 89 Drill Pipe Run 3722 Mud Wt. 9.2  
 Top Packer Depth 4030 Drill Collars Run - Vis 49  
 Bottom Packer Depth 4035 Wt. Pipe Run 312 WL 8  
 Total Depth 4124 Chlorides 2500 ppm System LCM 2 1/2

Blow Description IF: 1/4" Blow at open, built to 3/4", died back, dead at 24 min.  
ISI: No blow (Diesel in bucket)  
FF: No blow, Flushed tool, surface blow for 5 min., then dead  
FSI: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Mud w/trace of oil</u>	<u>trace</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 109 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>2030</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>6:40</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>7:22</u>
(C) First Final Flow <u>28</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>9:11</u>
(D) Initial Shut-In <u>829</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>11:12</u>
(E) Second Initial Flow <u>29</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>13:15</u>
(F) Second Final Flow <u>37</u>	<input checked="" type="checkbox"/> Mileage <u>88 RT</u>	Comments _____
(G) Final Shut-In <u>758</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2014</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1563</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1563</u>	

Approved By \_\_\_\_\_ Our Representative James Winder  
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