



DRILL STEM TEST REPORT

Prepared For: **Downing Nelson Oil Co**

PO Box 1019
Hays KS 67601

ATTN: Marc Downing

O'Bleness #1-32

32-18s-31w Scott,KS

Start Date: 2016.12.15 @ 21:51:15

End Date: 2016.12.16 @ 05:18:15

Job Ticket #: 65686 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.12.20 @ 10:07:29



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co

32-18s-31w Scott,KS

PO Box 1019
Hays KS 67601

O'Bleness #1-32

Job Ticket: 65686

DST#: 1

ATTN: Marc Dow ning

Test Start: 2016.12.15 @ 21:51:15

GENERAL INFORMATION:

Formation: **LKC K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:05:45

Time Test Ended: 05:18:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 81

Interval: 4232.00 ft (KB) To 4269.00 ft (KB) (TVD)

Reference Elevations: 2976.00 ft (KB)

Total Depth: 4269.00 ft (KB) (TVD)

2971.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6749 Outside

Press@RunDepth: 171.95 psig @ 4233.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.12.15 End Date: 2016.12.16

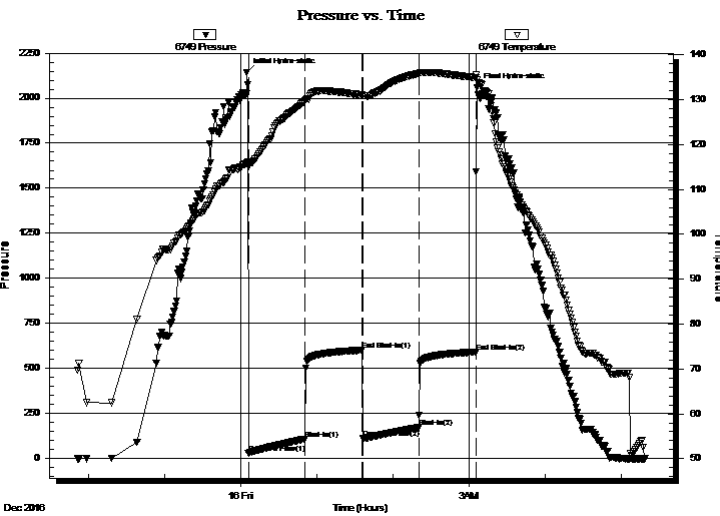
Last Calib.: 2016.12.16

Start Time: 21:51:15 End Time: 05:18:15

Time On Btm: 2016.12.16 @ 00:04:45

Time Off Btm: 2016.12.16 @ 03:06:15

TEST COMMENT: IS:BOB in 23 min.
IS:No return blow
FF:Built to 9" blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2142.91	115.84	Initial Hydro-static
1	27.88	115.11	Open To Flow (1)
46	107.45	129.71	Shut-In(1)
91	601.32	131.10	End Shut-In(1)
92	109.70	130.92	Open To Flow (2)
136	171.95	135.81	Shut-In(2)
181	590.98	134.94	End Shut-In(2)
182	2058.21	134.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	ocmw 2%o 24%m 76%w	1.46
124.00	ocw m 2%o 2%w 96%m	1.74
82.00	ocm 3%o 97%m	1.15
10.00	free oil 100%o	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing Nelson Oil Co

32-18s-31w Scott, KS

PO Box 1019
Hays KS 67601

O'Bleness #1-32

Job Ticket: 65686

DST#: 1

ATTN: Marc Downing

Test Start: 2016.12.15 @ 21:51:15

Tool Information

Drill Pipe:	Length: 4188.00 ft	Diameter: 3.80 inches	Volume: 58.75 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: 20000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 58.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4232.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	65.00 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			4205.00	
Shut In Tool	5.00			4210.00	
Hydraulic tool	5.00			4215.00	
Jars	5.00			4220.00	
Safety Joint	3.00			4223.00	
Packer	5.00			4228.00	28.00 Bottom Of Top Packer
Packer	4.00			4232.00	
Stubb	1.00			4233.00	
Recorder	0.00	8672	Inside	4233.00	
Recorder	0.00	6749	Outside	4233.00	
Perforations	31.00			4264.00	
Bullnose	5.00			4269.00	37.00 Bottom Packers & Anchor

Total Tool Length: 65.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning Nelson Oil Co

32-18s-31w Scott,KS

PO Box 1019
Hays KS 67601

O'Bleness #1-32

Job Ticket: 65686

DST#: 1

ATTN: Marc Dow ning

Test Start: 2016.12.15 @ 21:51:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

24000 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.16 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	ocmw 2%o 24%m 76%w	1.457
124.00	ocw m 2%o 2%w 96%m	1.739
82.00	ocm 3%o 97%m	1.150
10.00	free oil 100%o	0.140

Total Length: 340.00 ft Total Volume: 4.486 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

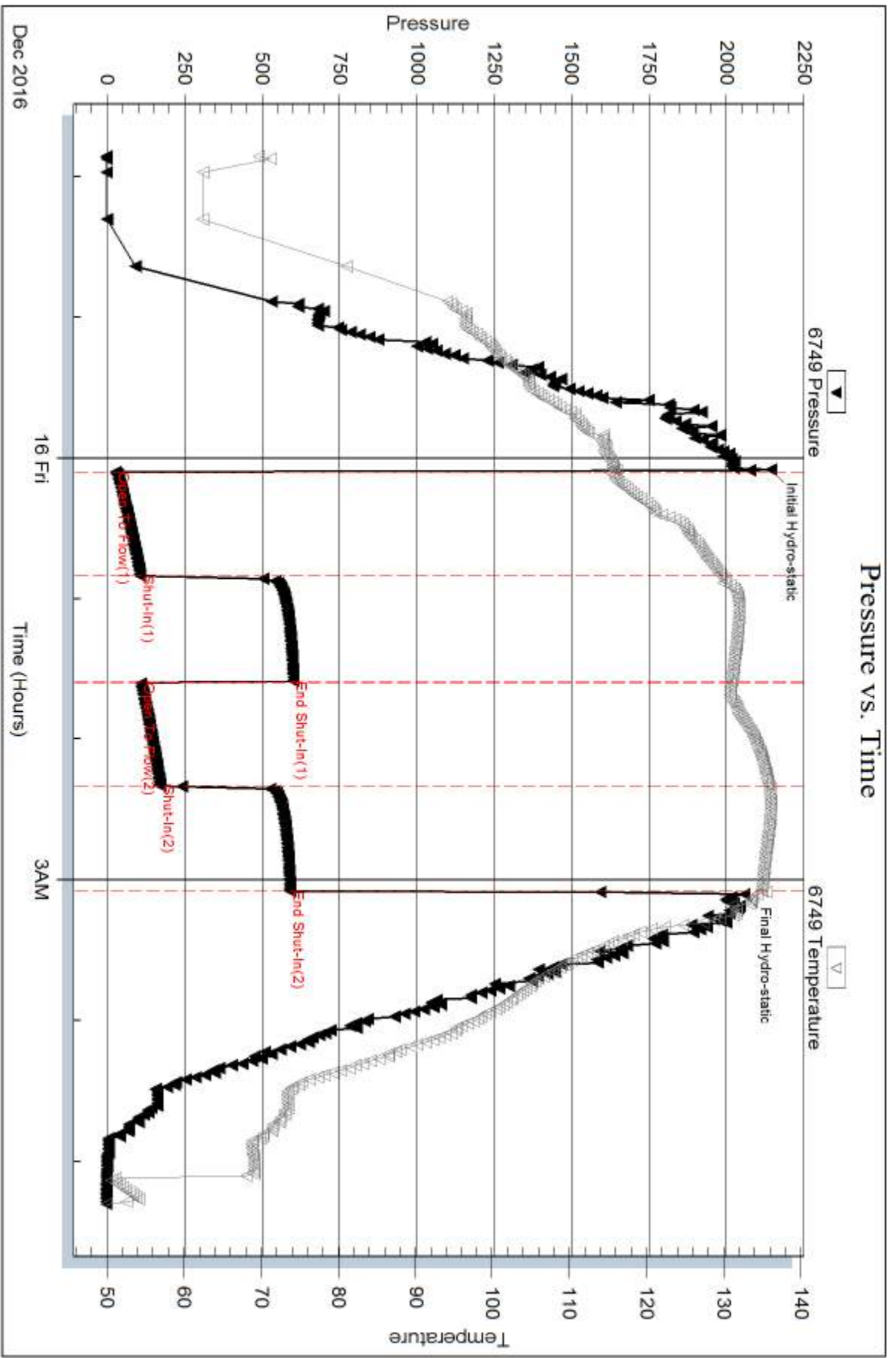
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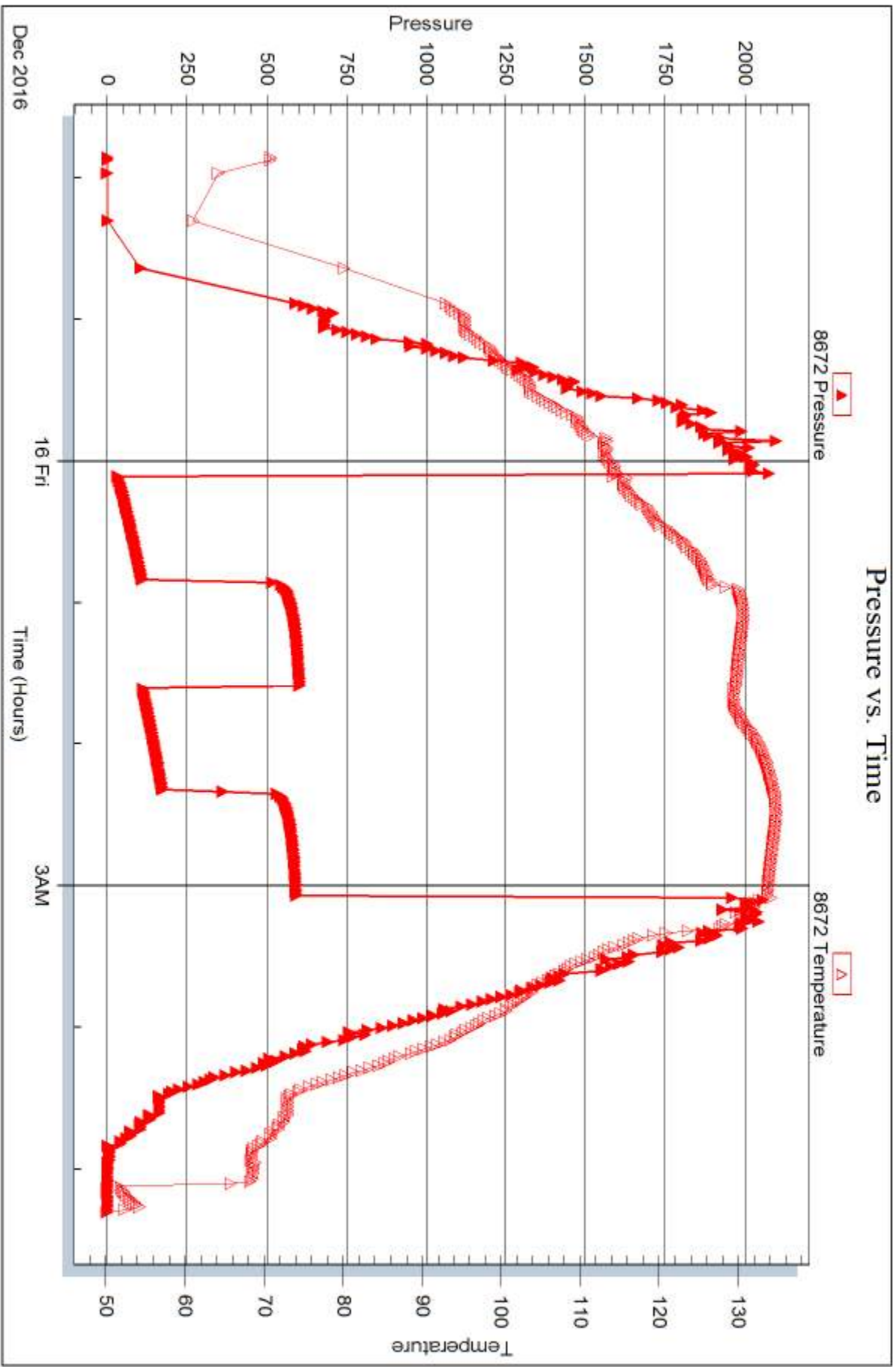
Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .651@29.6=24,000 ppm

API= 29 @30 corrected to 32







DRILL STEM TEST REPORT

Prepared For: **Downing Nelson Oil Co**

PO Box 1019
Hays KS 67601

ATTN: Marc Downing

O'Bleness #1-32

32-18s-31w Scott,KS

Start Date: 2016.12.16 @ 16:49:15

End Date: 2016.12.17 @ 00:46:45

Job Ticket #: 65687 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co

32-18s-31w Scott,KS

PO Box 1019
Hays KS 67601

O'Bleness #1-32

Job Ticket: 65687

DST#: 2

ATTN: Marc Dow ning

Test Start: 2016.12.16 @ 16:49:15

GENERAL INFORMATION:

Formation: **LKC L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:59:00

Time Test Ended: 00:46:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4272.00 ft (KB) To 4336.00 ft (KB) (TVD)

Reference Elevations: 2976.00 ft (KB)

Total Depth: 4336.00 ft (KB) (TVD)

2971.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6749 Outside

Press@RunDepth: 244.86 psig @ 4311.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.12.16

End Date:

2016.12.17

Last Calib.: 2016.12.17

Start Time: 16:49:15

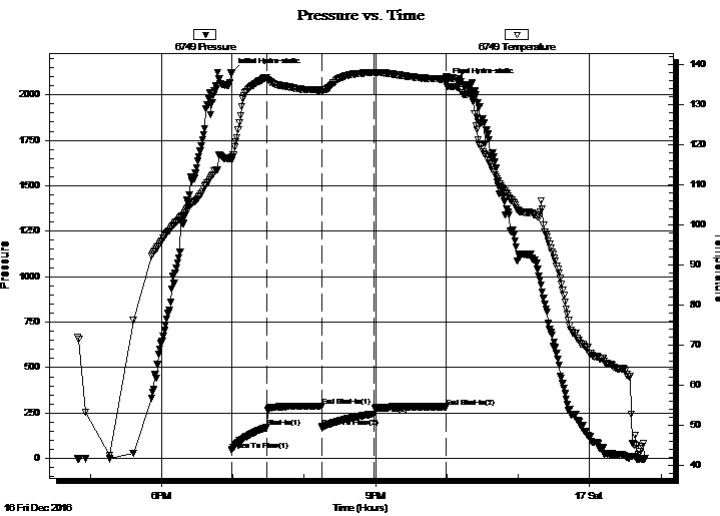
End Time:

00:46:45

Time On Btm: 2016.12.16 @ 18:58:45

Time Off Btm: 2016.12.16 @ 21:59:30

TEST COMMENT: IF:BOB in 10 min.
IS:No return blow
FF:BOB in 33 min.
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2120.34	116.89	Initial Hydro-static
1	43.94	116.17	Open To Flow (1)
30	171.26	136.89	Shut-In(1)
76	286.08	133.69	End Shut-In(1)
76	172.97	133.67	Open To Flow (2)
120	244.86	138.08	Shut-In(2)
181	284.62	136.39	End Shut-In(2)
181	2065.61	136.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	ocmw 2%o 40%m 58%w	1.46
124.00	ocw m 5%o 25%w 70%m	1.74
216.00	w com 5%w 10%o 85%m	3.03
5.00	free oil 100%o	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

32-18s-31w Scott,KS

PO Box 1019
Hays KS 67601

O'Bleness #1-32

Job Ticket: 65687

DST#: 2

ATTN: Marc Downing

Test Start: 2016.12.16 @ 16:49:15

Tool Information

Drill Pipe:	Length: 4246.00 ft	Diameter: 3.80 inches	Volume: 59.56 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: 20000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 59.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4272.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	92.00 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			4245.00	
Shut In Tool	5.00			4250.00	
Hydraulic tool	5.00			4255.00	
Jars	5.00			4260.00	
Safety Joint	3.00			4263.00	
Packer	5.00			4268.00	28.00 Bottom Of Top Packer
Packer	4.00			4272.00	
Stubb	1.00			4273.00	
Perforations	4.00			4277.00	
Change Over Sub	1.00			4278.00	
Drill Pipe	32.00			4310.00	
Change Over Sub	1.00			4311.00	
Recorder	0.00	8672	Inside	4311.00	
Recorder	0.00	6749	Outside	4311.00	
Perforations	20.00			4331.00	
Bullnose	5.00			4336.00	64.00 Bottom Packers & Anchor
Total Tool Length:	92.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning Nelson Oil Co

32-18s-31w Scott,KS

PO Box 1019
Hays KS 67601

O'Bleness #1-32

Job Ticket: 65687

DST#: 2

ATTN: Marc Dow ning

Test Start: 2016.12.16 @ 16:49:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

24500 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.36 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	ocmw 2%o 40%m 58%w	1.457
124.00	ocw m 5%o 25%w 70%m	1.739
216.00	w com 5%w 10%o 85%m	3.030
5.00	free oil 100%o	0.070

Total Length: 469.00 ft Total Volume: 6.296 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

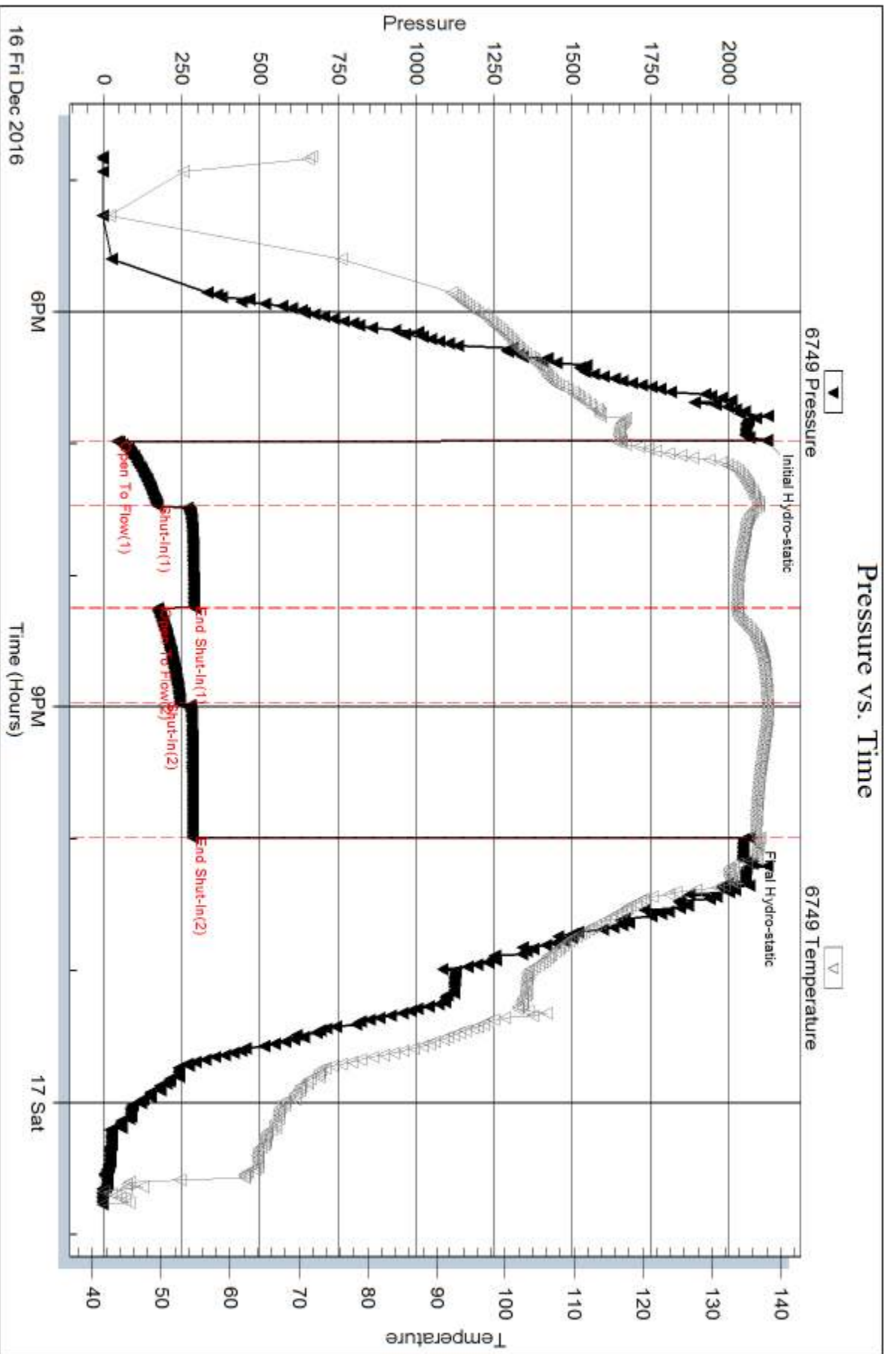
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .646@32.6=24,500 ppm

API= 40@ 28* corrected to 31 @ 60*



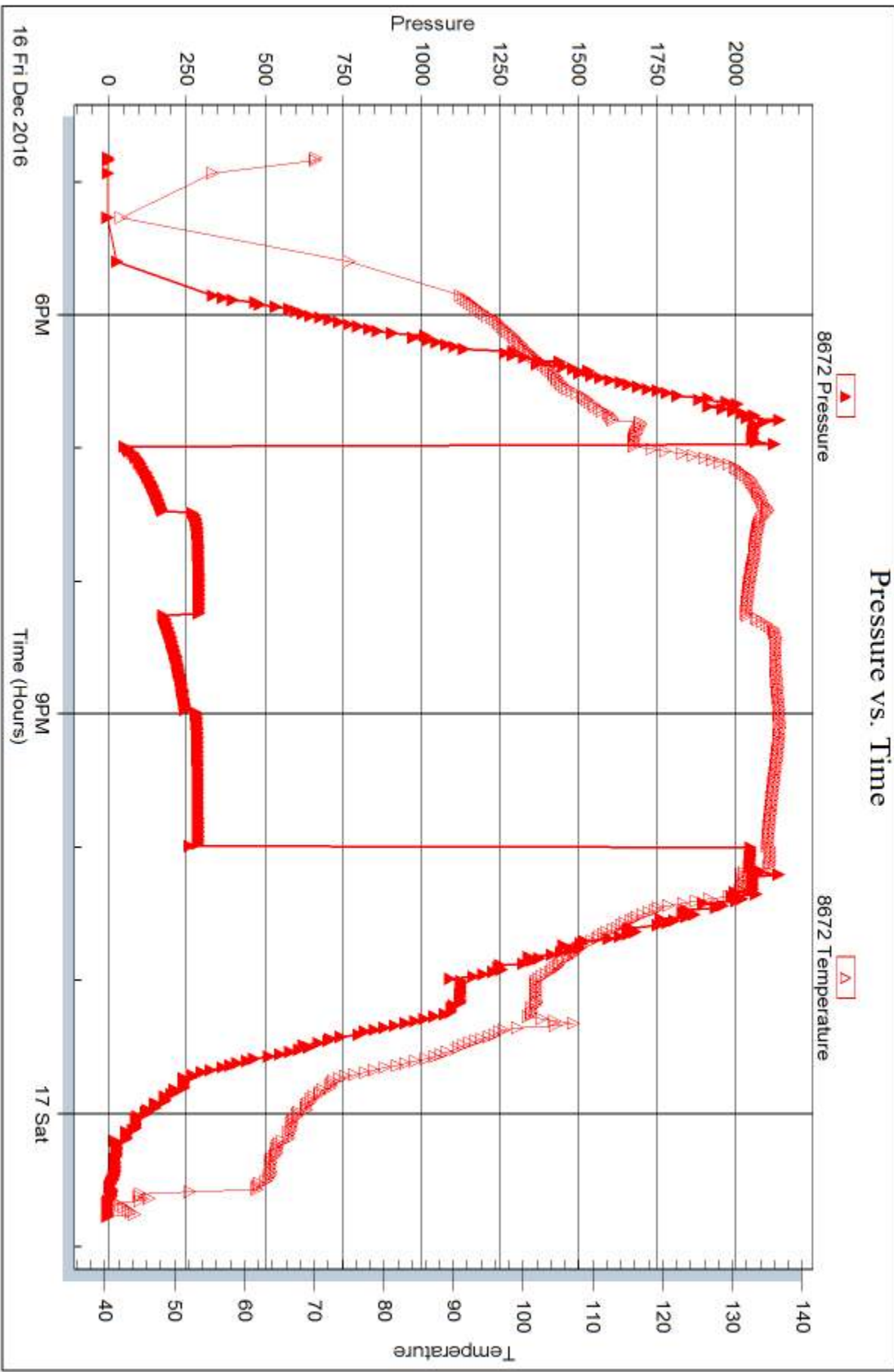
Serial #: 8672

Inside

Downing Nelson Oil Co

O/Beness #1-32

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 65687

Printed: 2016.12.20 @ 10:07:11



DRILL STEM TEST REPORT

Prepared For: **Downing Nelson Oil Co**

PO Box 1019
Hays KS 67601

ATTN: Marc Downing

O'Bleness #1-32

32-18s-31w Scott,KS

Start Date: 2016.12.17 @ 15:49:15

End Date: 2016.12.17 @ 23:18:30

Job Ticket #: 65688 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.12.20 @ 10:06:15



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Downing Nelson Oil Co

32-18s-31w Scott,KS

PO Box 1019
Hays KS 67601

O'Bleness #1-32

Job Ticket: 65688

DST#: 3

ATTN: Marc Downing

Test Start: 2016.12.17 @ 15:49:15

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:23:30

Time Test Ended: 23:18:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4383.00 ft (KB) To 4433.00 ft (KB) (TVD)

Reference Elevations: 2976.00 ft (KB)

Total Depth: 4433.00 ft (KB) (TVD)

2971.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6749 Outside

Press@RunDepth: 53.83 psig @ 4423.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.12.17

End Date:

2016.12.17

Last Calib.:

2016.12.17

Start Time: 15:49:15

End Time:

23:18:30

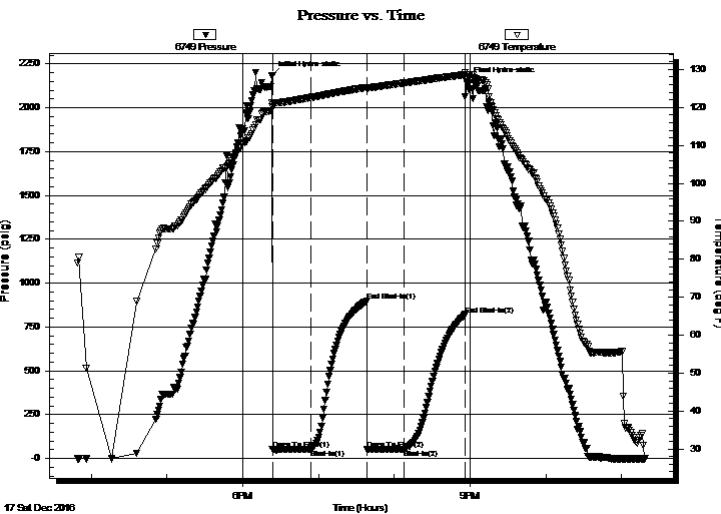
Time On Btm:

2016.12.17 @ 18:23:15

Time Off Btm:

2016.12.17 @ 20:57:15

TEST COMMENT: IF: Built to 1/4" blow
IS: No return blow
FF: Built to weak surface blow
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2184.98	121.11	Initial Hydro-static
1	50.73	120.07	Open To Flow (1)
31	51.56	122.59	Shut-In(1)
76	899.20	125.28	End Shut-In(1)
76	53.23	124.96	Open To Flow (2)
105	53.83	126.46	Shut-In(2)
153	820.73	128.62	End Shut-In(2)
154	2148.63	128.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	ocm 2%o 98%m	0.15

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing Nelson Oil Co

32-18s-31w Scott, KS

PO Box 1019
Hays KS 67601

O'Bleness #1-32

Job Ticket: 65688

DST#: 3

ATTN: Marc Downing

Test Start: 2016.12.17 @ 15:49:15

Tool Information

Drill Pipe:	Length: 4339.00 ft	Diameter: 3.80 inches	Volume: 60.86 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: 20000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 61.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4383.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 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			4356.00	
Shut In Tool	5.00			4361.00	
Hydraulic tool	5.00			4366.00	
Jars	5.00			4371.00	
Safety Joint	3.00			4374.00	
Packer	5.00			4379.00	28.00 Bottom Of Top Packer
Packer	4.00			4383.00	
Stubb	1.00			4384.00	
Perforations	5.00			4389.00	
Change Over Sub	1.00			4390.00	
Drill Pipe	32.00			4422.00	
Change Over Sub	1.00			4423.00	
Recorder	0.00	8672	Inside	4423.00	
Recorder	0.00	6749	Outside	4423.00	
Perforations	5.00			4428.00	
Bullnose	5.00			4433.00	50.00 Bottom Packers & Anchor
Total Tool Length:	78.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil Co

32-18s-31w Scott, KS

PO Box 1019
Hays KS 67601

O'Bleness #1-32

Job Ticket: 65688

DST#: 3

ATTN: Marc Downing

Test Start: 2016.12.17 @ 15:49:15

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.38 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 bbbl
30.00	ocm 2%o 98%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:

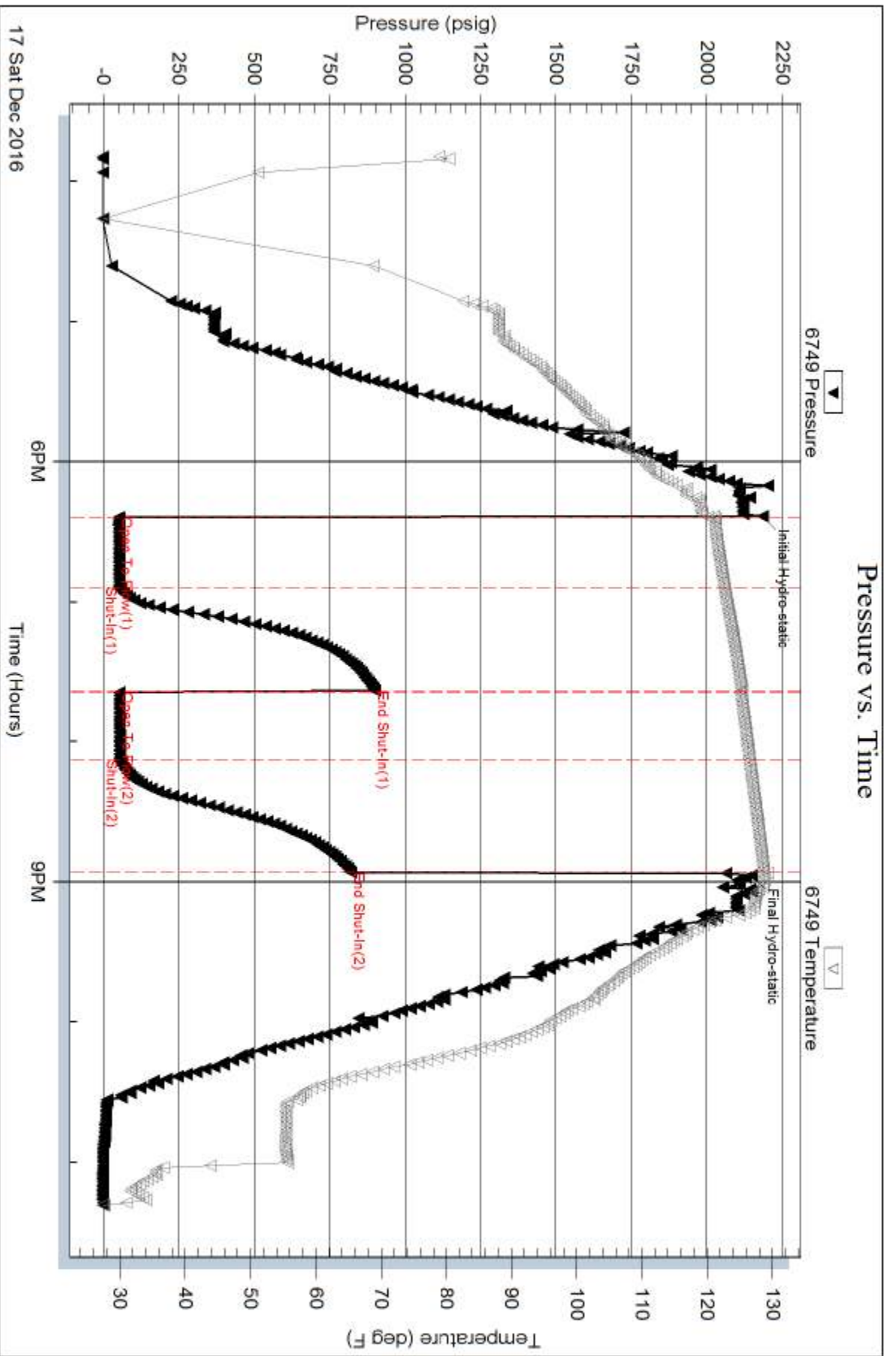
Recovery Comments:

Serial #: 6749

Outside Dow n ing Nelson Oil Co

O'Brien #1-32

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 65688

Printed: 2016.12.20 @ 10:06:15

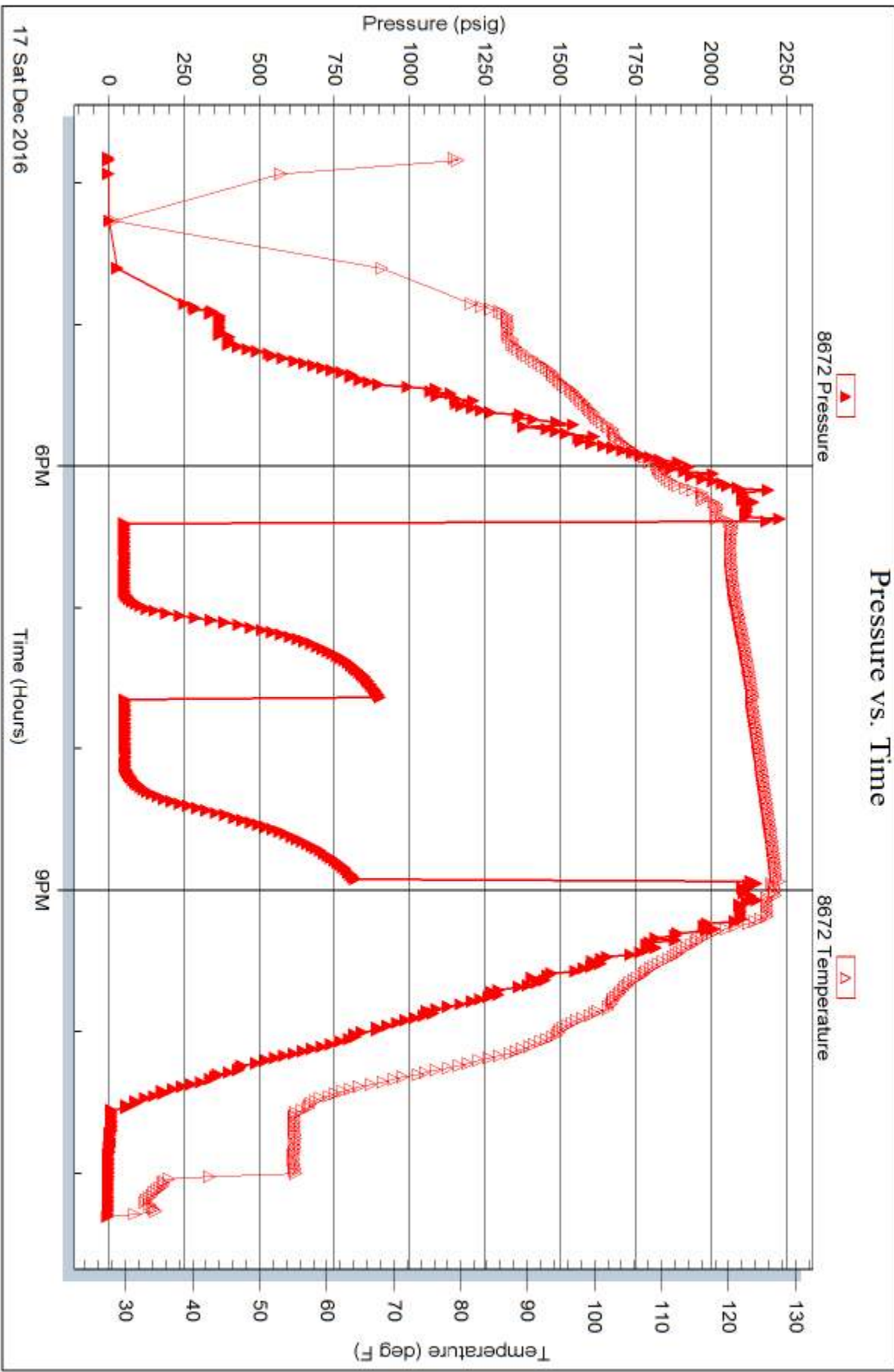
Serial #: 8672

Inside

Dow n ing Nelson Oil Co

O'Brien #1-32

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 65668

Printed: 2016.12.20 @ 10:06:16



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65686**

Well Name & No. O'Bleness 1-32 Test No. 1 Date 12-15-16
 Company Downing Nelson Oil Company Inc Elevation 2976 KB 2971 GL
 Address P.O Box 1019 Hays KS 67601
 Co. Rep / Geo. Marc Downing Rig Disco 3
 Location: Sec. 32 Twp. 18 Rge. 31 Co. Scott State KS

Interval Tested 4232-4269 Zone Tested K
 Anchor Length 37 Drill Pipe Run 4188 Mud Wt. 9.1
 Top Packer Depth 4227 Drill Collars Run 31 Vis 61
 Bottom Packer Depth 4232 Wt. Pipe Run Ø WL 7.2
 Total Depth 4269 Chlorides 2000 ppm System LCM 5

Blow Description IF: BOB IN 23 MIN
IS: No Return Blow
FF: Built to 9" Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Free oil</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>82</u>	<u>OCM</u>	<u>3</u>	<u>0</u>	<u>97</u>	<u>0</u>
<u>124</u>	<u>OCWM</u>	<u>2</u>	<u>2</u>	<u>96</u>	<u>0</u>
<u>124</u>	<u>OCMW</u>	<u>2</u>	<u>74</u>	<u>24</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 340 BHT 135 Gravity 32 API RW 651 @ 29.4 °F Chlorides 24000 ppm

(A) Initial Hydrostatic 2142
 (B) First Initial Flow 27
 (C) First Final Flow 107
 (D) Initial Shut-In 607
 (E) Second Initial Flow 109
 (F) Second Final Flow 171
 (G) Final Shut-In 590
 (H) Final Hydrostatic 2058

Test \$1150.00/-
 Jars 250.00/-
 Safety Joint 75.00/-
 Circ Sub NC
 Hourly Standby _____
 Mileage 22RT = \$16.50/-
 Sampler _____
 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total \$1491.50/-

T-On Location 18:45
 T-Started 21:51
 T-Open 00:06
 T-Pulled 03:06
 T-Out 05:18

Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1491.50
 MP/DST Disc't _____

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

Approved By _____ Our Representative Mike Roberts

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. **65687**

Well Name & No. O'Bleness 1-32 Test No. 2 Date 12-16-16
 Company Downing Nelson Oil Company Inc. Elevation 2976 KB 2971 GL
 Address P.O. Box 1019 Hays KS 67601
 Co. Rep / Geo. Marc Downing Rig Disco 3
 Location: Sec. 32 Twp. 18⁰ Rge. 31 Co. SCOTT State KS

Interval Tested 4272-4336 Zone Tested L
 Anchor Length 64 Drill Pipe Run 4246 Mud Wt. 9.1
 Top Packer Depth 4267 Drill Collars Run 31 Vis 54
 Bottom Packer Depth 4272 Wt. Pipe Run Ø WL 8.4
 Total Depth 4336 Chlorides 2000 ppm System LCM 6
 Blow Description IF: BOB IN 10 MIN
IS: NO Return Blow
FF: BOB IN 33 MIN
FS: NO Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>free oil</u>				
<u>216</u>	<u>OCMW WCOM</u>	<u>10</u>	<u>5</u>	<u>85</u>	
<u>124</u>	<u>OCWM</u>	<u>5</u>	<u>25</u>	<u>70</u>	
<u>124</u>	<u>OCmw</u>	<u>2</u>	<u>58</u>	<u>40</u>	
<u>469</u>	<u>BHT 137</u>	<u>31</u>	<u>API RW: 1646 @ 32.4° F</u>	<u>Chlorides 24500</u>	<u>ppm</u>

(A) Initial Hydrostatic 2120
 (B) First Initial Flow 43
 (C) First Final Flow 171
 (D) Initial Shut-In 286
 (E) Second Initial Flow 172
 (F) Second Final Flow 244
 (G) Final Shut-In 284
 (H) Final Hydrostatic 2065

Test \$1150.00/- T-On Location 15:45
 Jars \$250.00/- T-Started 16:49
 Safety Joint \$75.00/- T-Open 18:58
 Circ Sub NC T-Pulled 21:58
 Hourly Standby _____ T-Out 00:46
 Mileage 22 RT = \$16.50/- Comments _____
 Sampler _____
 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total \$1491.50/-

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

Approved By _____ Our Representative Mike Roberts

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. **65688**

Well Name & No. O'Bleness 1-32 Test No. 3 Date 12-17-16
 Company Downing Nelson Oil Company Inc Elevation 2976 KB 2971 GL
 Address P.O. Box 1019 Hays KS 67601
 Co. Rep / Geo. Al Downing Rig Disco 3
 Location: Sec. 32 Twp. 18 Rge. 31 Co. SCOTT State KS

Interval Tested 4383-4433 Zone Tested Marmaton
 Anchor Length 50 Drill Pipe Run 4339 Mud Wt. 9.2
 Top Packer Depth 4378 Drill Collars Run 31 Vis 51
 Bottom Packer Depth 4383 Wt. Pipe Run Ø WL 8.4
 Total Depth 4433 Chlorides 1500 ppm System LCM 5
 Blow Description IF: Built to 1/4" Blow
IS: No Return Blow
FF: Built to weak surface Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>0cm</u>		<u>2</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 30 BHT 128 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2184</u>	<input checked="" type="checkbox"/> Test <u>\$ 1150.00/-</u>	T-On Location <u>13:30</u>
(B) First Initial Flow <u>50</u>	<input checked="" type="checkbox"/> Jars <u>\$ 250.00/-</u>	T-Started <u>15:49</u>
(C) First Final Flow <u>51</u>	<input checked="" type="checkbox"/> Safety Joint <u>\$ 75.00/-</u>	T-Open <u>18:23</u>
(D) Initial Shut-In <u>899</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>20:53</u>
(E) Second Initial Flow <u>53</u>	<input type="checkbox"/> Hourly Standby <u>—</u>	T-Out <u>23:18</u>
(F) Second Final Flow <u>53</u>	<input checked="" type="checkbox"/> Mileage <u>22 RT = \$ 16.00/-</u>	Comments <u>Loaded Tools</u>
(G) Final Shut-In <u>820</u>	<input type="checkbox"/> Sampler <u>Mileage x 2 16.50</u>	<u>at 03:00 12-20-16</u>
(H) Final Hydrostatic <u>2148</u>	<input type="checkbox"/> Straddle <u>—</u>	<input type="checkbox"/> Ruined Shale Packer <u>—</u>
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer <u>—</u>	<input type="checkbox"/> Ruined Packer <u>—</u>
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer <u>—</u>	<input type="checkbox"/> Extra Copies <u>—</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder <u>—</u>	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby <u>—</u>	Total <u>1508.00</u>
	<input type="checkbox"/> Accessibility <u>1508</u>	MP/DST Disc't <u>—</u>
	Sub Total <u>\$ 1491.50/-</u>	

Approved By [Signature] Our Representative Mike Roberts

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