



DRILL STEM TEST REPORT

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

PO Box 1019
Has, KS 67601

ATTN: Marc Downing

Ernie Pfeifer #1-1

1-13S-20W Ellis,KS

Start Date: 2019.07.10 @ 11:23:58

End Date: 2019.07.10 @ 19:16:49

Job Ticket #: 64477 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.07.16 @ 15:15:18



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co.

1-13S-20W Ellis,KS

PO Box 1019
Has, KS 67601

Ernie Pfeifer #1-1

ATTN: Marc Dow ning

Job Ticket: 64477

DST#: 1

Test Start: 2019.07.10 @ 11:23:58

GENERAL INFORMATION:

Formation: **LKC "A-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:43:04

Time Test Ended: 19:16:49

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 3436.00 ft (KB) To 3512.00 ft (KB) (TVD)

Reference Elevations: 2131.00 ft (KB)

Total Depth: 3512.00 ft (KB) (TVD)

2123.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8700 Outside

Press@RunDepth: 37.57 psig @ 3437.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.10 End Date: 2019.07.10

Last Calib.: 2019.07.10

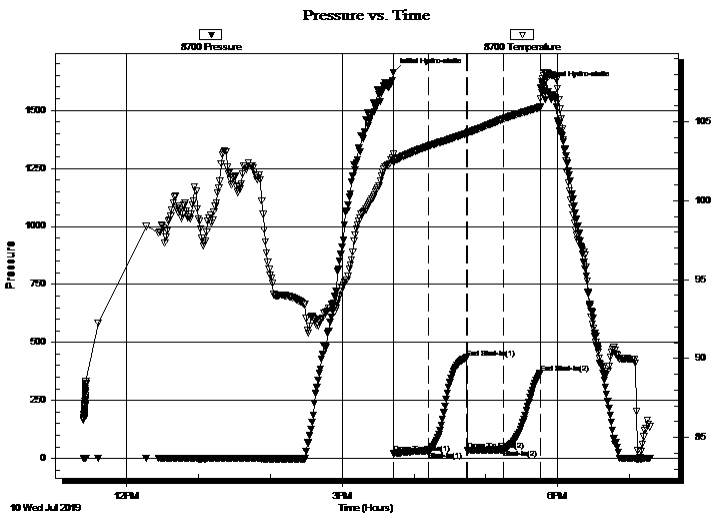
Start Time: 11:23:59 End Time: 19:16:49

Time On Btm: 2019.07.10 @ 15:42:49

Time Off Btm: 2019.07.10 @ 17:47:04

TEST COMMENT: 30- IF- Weak blow built slowly to 1.69"
30- IS- No blow
30- FF- Weak blow built slowly to 1.49"
30- FS- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1663.38	102.93	Initial Hydro-static
1	19.93	102.42	Open To Flow (1)
30	32.60	103.45	Shut-In(1)
61	433.71	104.26	End Shut-In(1)
62	36.30	104.31	Open To Flow (2)
92	37.57	105.17	Shut-In(2)
123	368.16	105.93	End Shut-In(2)
125	1608.12	107.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	SOCM, 10%O 90%M	0.41

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co.
 PO Box 1019
 Has, KS 67601
 ATTN: Marc Dow ning

1-13S-20W Ellis,KS
Ernie Pfeifer #1-1
 Job Ticket: 64477 **DST#: 1**
 Test Start: 2019.07.10 @ 11:23:58

GENERAL INFORMATION:

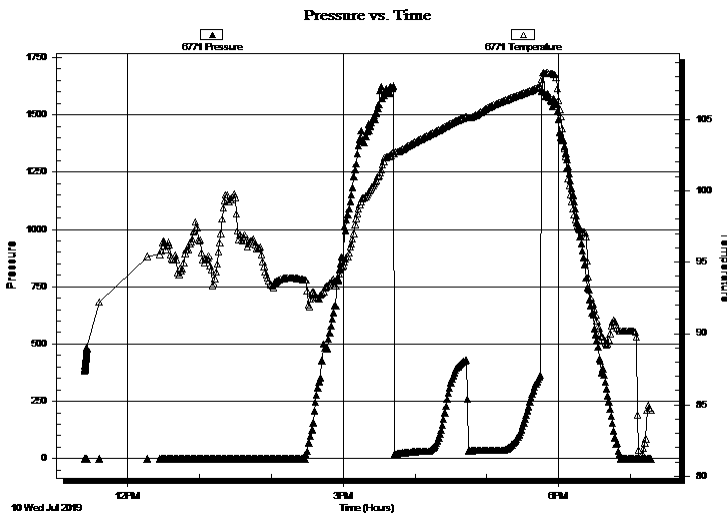
Formation: **LKC "A-D"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 15:43:04 Tester: Brannan Lonsdale
 Time Test Ended: 19:16:49 Unit No: 73
Interval: 3436.00 ft (KB) To 3512.00 ft (KB) (TVD)
 Reference Elevations: 2131.00 ft (KB)
 Total Depth: 3512.00 ft (KB) (TVD) 2123.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6771

Inside

Press@RunDepth: psig @ 3437.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.07.10 End Date: 2019.07.10 Last Calib.: 2019.07.10
 Start Time: 11:24:05 End Time: 19:16:55 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30- IF- Weak blow built slow ly to 1.69"
 30- IS- No blow
 30- FF- Weak blow built slow ly to 1.49"
 30- FS- No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
50.00	SOCM, 10%O 90%M	0.41

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning-Nelson Oil Co.

1-13S-20W Ellis,KS

PO Box 1019
Has, KS 67601

Ernie Pfeifer #1-1

Job Ticket: 64477

DST#: 1

ATTN: Marc Dow ning

Test Start: 2019.07.10 @ 11:23:58

Tool Information

Drill Pipe:	Length: 3391.00 ft	Diameter: 3.82 inches	Volume: 48.07 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3436.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	76.00 ft			
Tool Length:	96.00 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			3417.00	
Shut In Tool	5.00			3422.00	
Hydraulic tool	5.00			3427.00	
Packer	5.00			3432.00	20.00 Bottom Of Top Packer
Packer	4.00			3436.00	
Stubb	1.00			3437.00	
Recorder	0.00	6771	Inside	3437.00	
Recorder	0.00	8700	Outside	3437.00	
Perforations	6.00			3443.00	
Change Over Sub	1.00			3444.00	
Drill Pipe	64.00			3508.00	
Change Over Sub	1.00			3509.00	
Bullnose	3.00			3512.00	76.00 Bottom Packers & Anchor

Total Tool Length: 96.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co.

1-13S-20W Ellis,KS

PO Box 1019
Has, KS 67601

Ernie Pfeifer #1-1

Job Ticket: 64477

DST#: 1

ATTN: Marc Dow ning

Test Start: 2019.07.10 @ 11:23:58

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: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
50.00	SOCM, 10%O 90%M	0.413

Total Length: 50.00 ft Total Volume: 0.413 bbl

Num Fluid Samples: 0

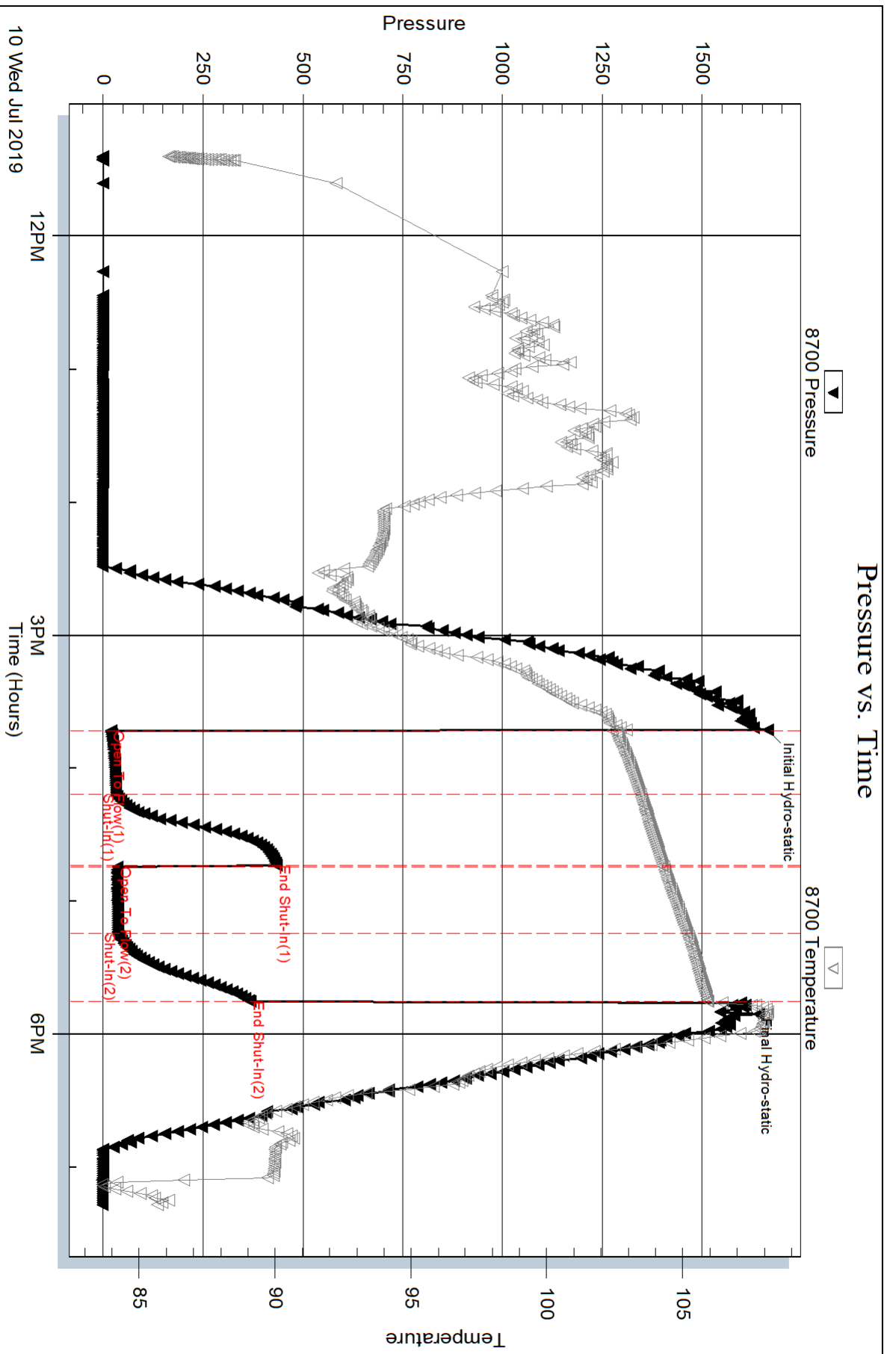
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



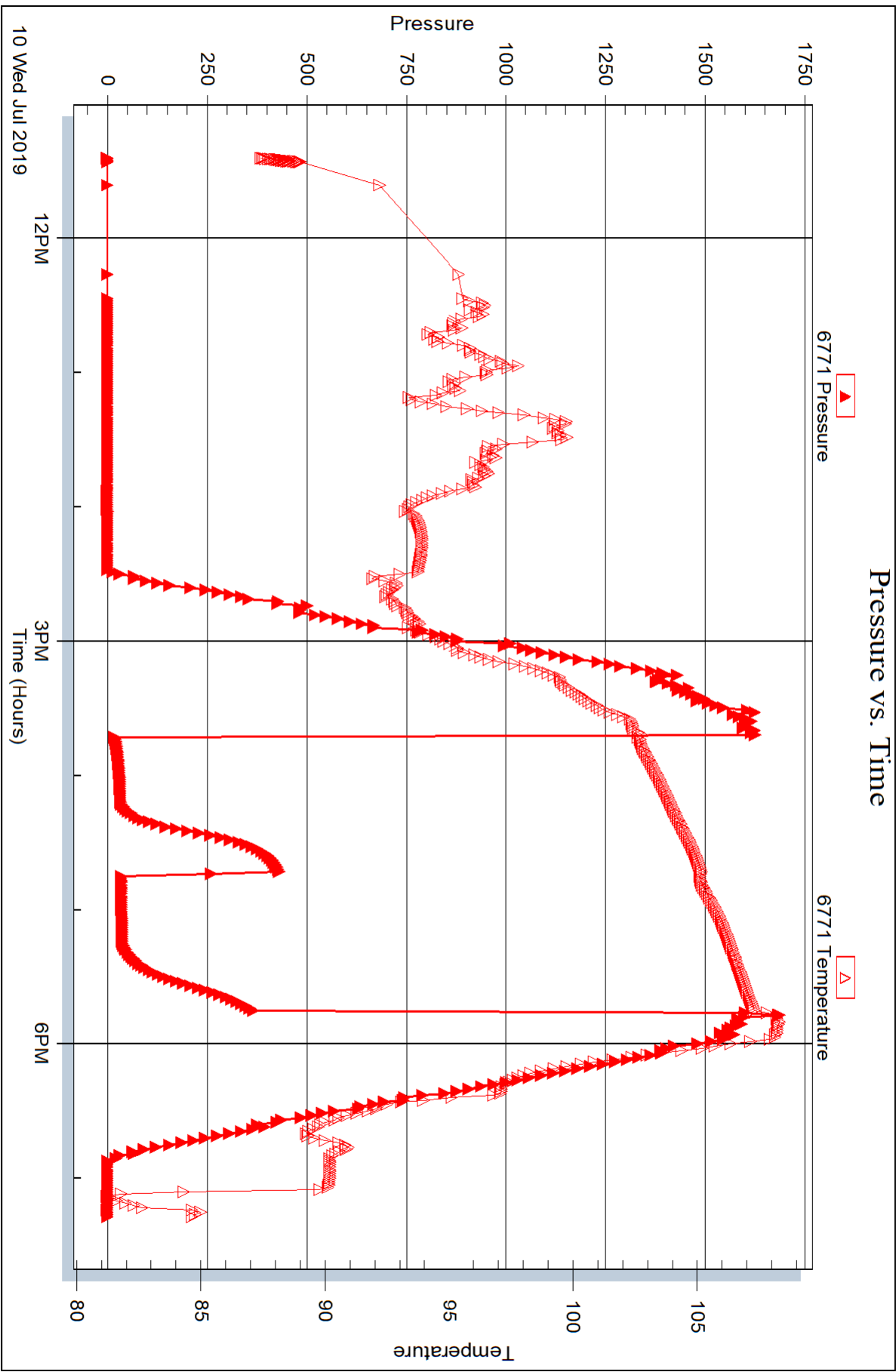
Serial #: 6771

Inside

Dow nting-Nelson Oil Co.

Ernie Pfeifer #1-1

DST Test Number: 1





DRILL STEM TEST REPORT

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

PO Box 1019
Has, KS 67601

ATTN: Marc Downing

Ernie Pfeifer #1-1

1-13S-20W Ellis,KS

Start Date: 2019.07.11 @ 01:03:45

End Date: 2019.07.11 @ 06:30:36

Job Ticket #: 64478 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.07.16 @ 15:14:55



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co.

1-13S-20W Ellis,KS

PO Box 1019
Has, KS 67601

Ernie Pfeifer #1-1

Job Ticket: 64478

DST#: 2

ATTN: Marc Dow ning

Test Start: 2019.07.11 @ 01:03:45

GENERAL INFORMATION:

Formation: **LKC "E"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:03:06
 Time Test Ended: 06:30:36
 Interval: **3507.00 ft (KB) To 3525.00 ft (KB) (TVD)**
 Total Depth: 3525.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 2131.00 ft (KB)
 2123.00 ft (CF)
 KB to GR/CF: 8.00 ft

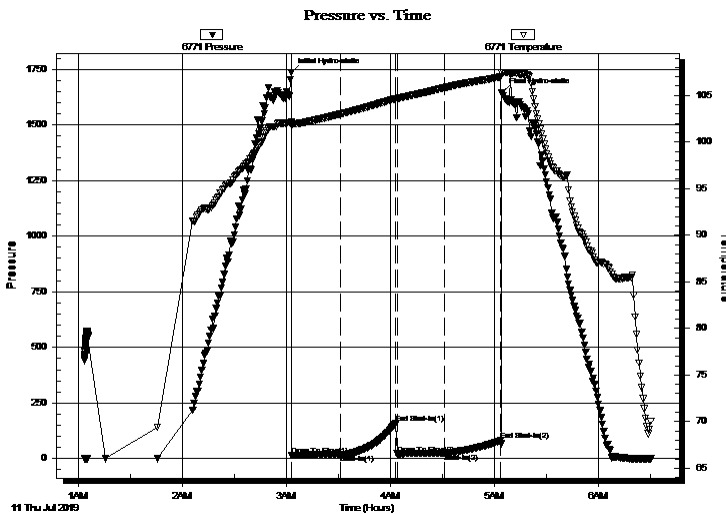
Serial #: 6771

Inside

Press@RunDepth: 23.80 psig @ 3508.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.07.11 End Date: 2019.07.11 Last Calib.: 2019.07.11
 Start Time: 01:03:46 End Time: 06:30:36 Time On Btm: 2019.07.11 @ 03:02:51
 Time Off Btm: 2019.07.11 @ 05:04:21

TEST COMMENT: 30- IF- Weak blow built slowly to 1.23"
 30- IS- No blow
 30- FF- Surface blow
 30- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1735.48	102.13	Initial Hydro-static
1	13.91	101.85	Open To Flow (1)
29	19.48	102.98	Shut-In(1)
61	159.03	104.64	End Shut-In(1)
62	21.48	104.66	Open To Flow (2)
89	23.80	105.81	Shut-In(2)
121	80.68	106.96	End Shut-In(2)
122	1645.13	107.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OSM	0.15

* Recovery from multiple tests

Gas Rates

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



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DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co.

1-13S-20W Ellis,KS

PO Box 1019
Has, KS 67601

Ernie Pfeifer #1-1

Job Ticket: 64478 **DST#: 2**

ATTN: Marc Dow ning

Test Start: 2019.07.11 @ 01:03:45

GENERAL INFORMATION:

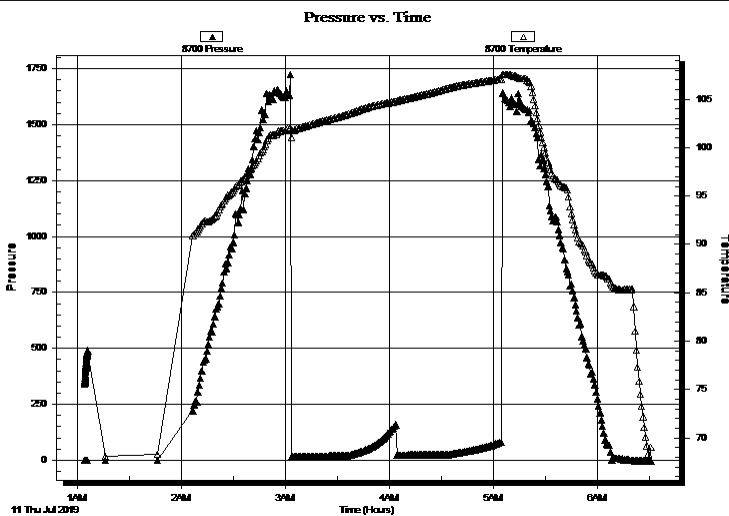
Formation: LKC "E"			
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)	
Time Tool Opened: 03:03:06		Tester: Brannan Lonsdale	
Time Test Ended: 06:30:36		Unit No: 73	
Interval: 3507.00 ft (KB) To 3525.00 ft (KB) (TVD)		Reference Elevations: 2131.00 ft (KB)	
Total Depth: 3525.00 ft (KB) (TVD)		2123.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 8.00 ft	

Serial #: 8700

Outside

Press@RunDepth: psig @ 3508.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2019.07.11	End Date: 2019.07.11
Start Time: 01:04:21	End Time: 06:31:11
	Last Calib.: 2019.07.11
	Time On Btm:
	Time Off Btm:

TEST COMMENT: 30- IF- Weak blow built slowly to 1.23"
 30- IS- No blow
 30- FF- Surface blow
 30- FSI- No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OSM	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

Dow ning-Nelson Oil Co.

1-13S-20W Ellis,KS

PO Box 1019
Has, KS 67601

Ernie Pfeifer #1-1

Job Ticket: 64478

DST#: 2

ATTN: Marc Dow ning

Test Start: 2019.07.11 @ 01:03:45

Tool Information

Drill Pipe:	Length: 3487.00 ft	Diameter: 3.82 inches	Volume: 49.43 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3507.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	18.00 ft			
Tool Length:	38.00 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			3488.00	
Shut In Tool	5.00			3493.00	
Hydraulic tool	5.00			3498.00	
Packer	5.00			3503.00	20.00 Bottom Of Top Packer
Packer	4.00			3507.00	
Stubb	1.00			3508.00	
Recorder	0.00	6771	Inside	3508.00	
Recorder	0.00	8700	Outside	3508.00	
Perforations	14.00			3522.00	
Bullnose	3.00			3525.00	18.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co.

1-13S-20W Ellis,KS

PO Box 1019
Has, KS 67601

Ernie Pfeifer #1-1

Job Ticket: 64478

DST#: 2

ATTN: Marc Dow ning

Test Start: 2019.07.11 @ 01:03:45

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: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OSM	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

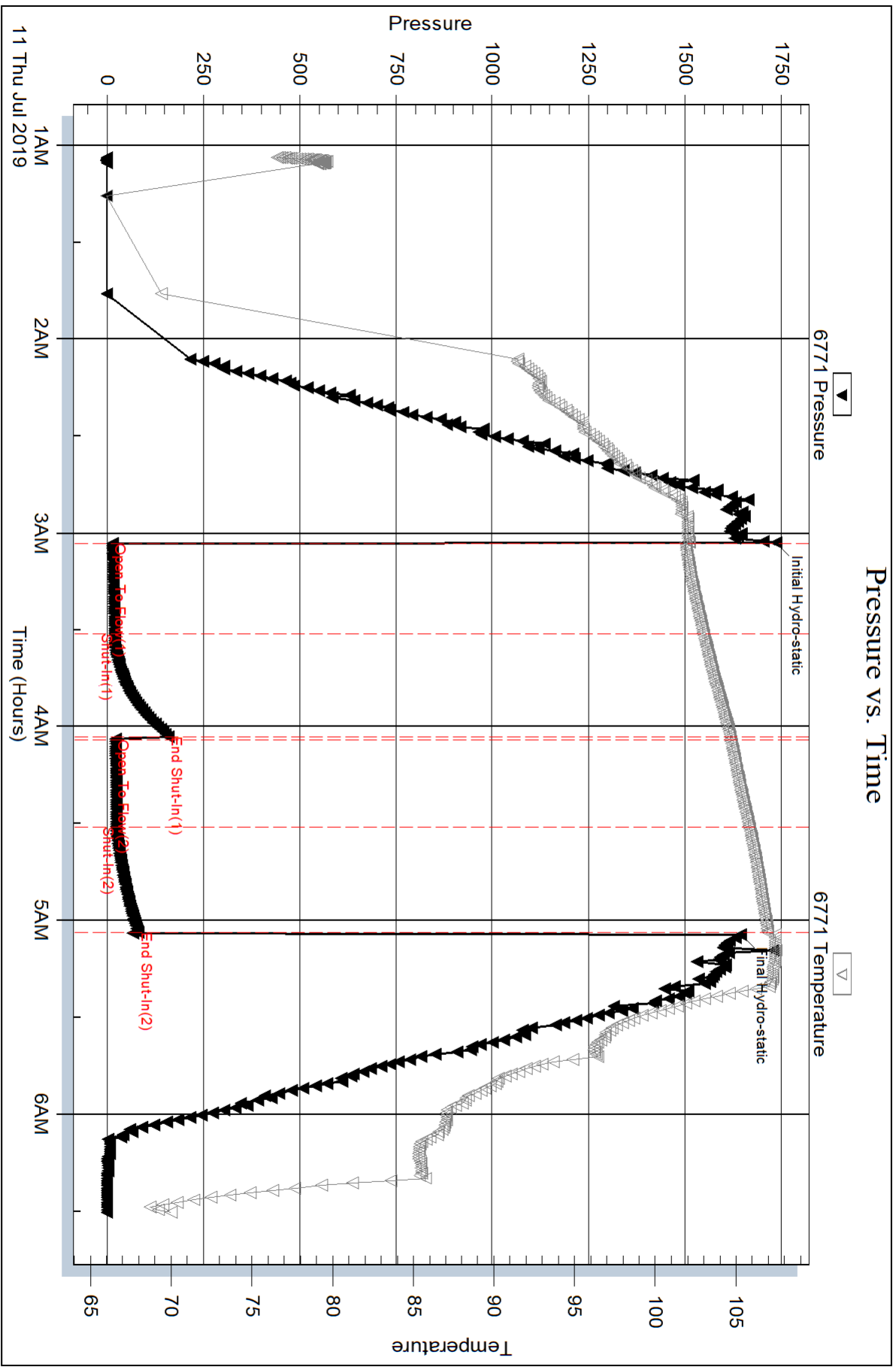
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

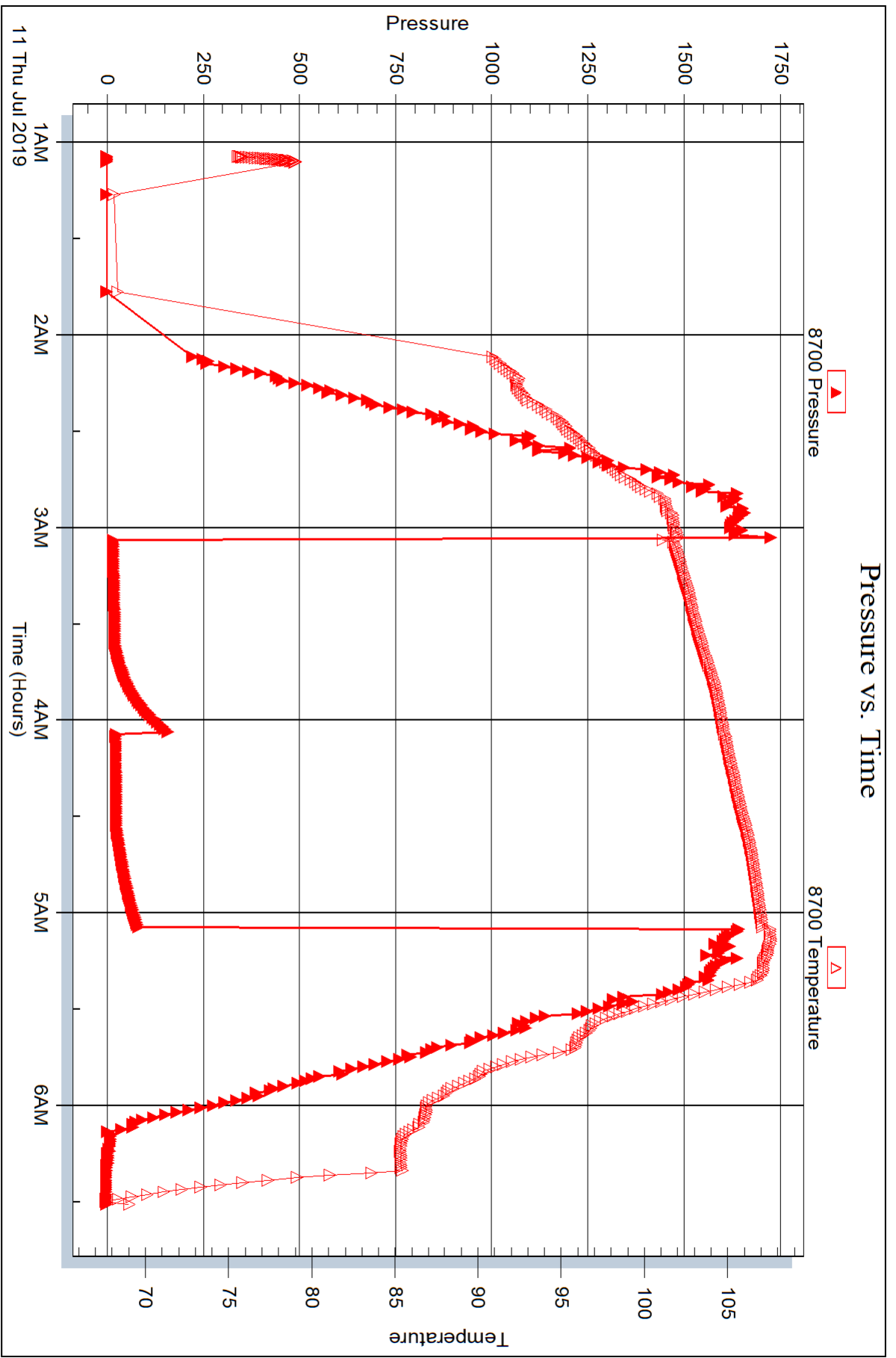


Serial #: 8700

Outside Dow nting-Nelson Oil Co.

Ernie Peifer #1-1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 64478

Printed: 2019.07.16 @ 15:14:56



DRILL STEM TEST REPORT

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

PO Box 1019
Has, KS 67601

ATTN: Marc Downing

Ernie Pfeifer #1-1

1-13S-20W Ellis,KS

Start Date: 2019.07.12 @ 12:22:05

End Date: 2019.07.12 @ 18:07:26

Job Ticket #: 64479 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.07.16 @ 15:13:14



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co.

1-13S-20W Ellis,KS

PO Box 1019
Has, KS 67601

Ernie Pfeifer #1-1

Job Ticket: 64479

DST#: 3

ATTN: Marc Dow ning

Test Start: 2019.07.12 @ 12:22:05

GENERAL INFORMATION:

Formation: **Cong. Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:59:26

Time Test Ended: 18:07:26

Test Type: Conventional Straddle (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 3746.00 ft (KB) To 3815.00 ft (KB) (TVD)

Reference Elevations: 2131.00 ft (KB)

Total Depth: 3865.00 ft (KB) (TVD)

2123.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6771

Inside

Press@RunDepth: 57.76 psig @ 3747.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.12

End Date:

2019.07.12

Last Calib.:

2019.07.12

Start Time: 12:22:06

End Time:

18:07:26

Time On Btm:

2019.07.12 @ 13:59:11

Time Off Btm:

2019.07.12 @ 16:00:26

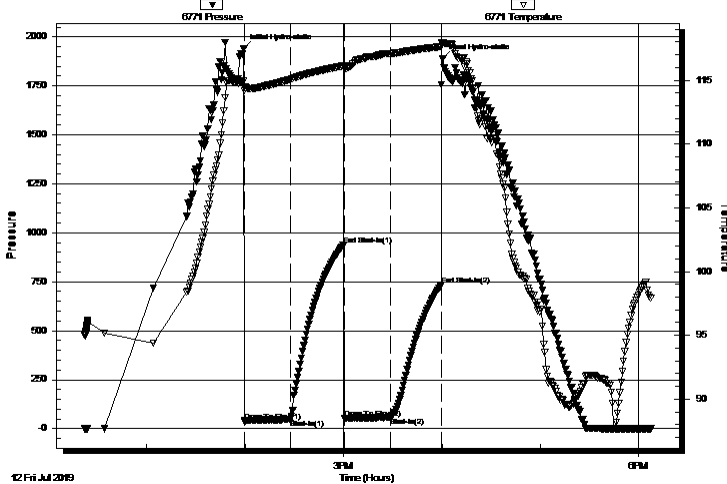
TEST COMMENT: 30- IF- Slow ly built to 1.50"

30- IS- No blow

30- FF- Weak surface blow

30- FSI- No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1941.14	114.93	Initial Hydro-static
1	38.13	114.18	Open To Flow (1)
29	49.55	115.07	Shut-In(1)
61	938.24	116.14	End Shut-In(1)
62	51.94	115.97	Open To Flow (2)
90	57.76	117.08	Shut-In(2)
121	731.54	117.64	End Shut-In(2)
122	1889.55	117.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	M	0.10

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co.

1-13S-20W Ellis,KS

PO Box 1019
Has, KS 67601

Ernie Pfeifer #1-1

Job Ticket: 64479

DST#: 3

ATTN: Marc Dow ning

Test Start: 2019.07.12 @ 12:22:05

GENERAL INFORMATION:

Formation: **Cong. Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:59:26

Time Test Ended: 18:07:26

Test Type: Conventional Straddle (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 3746.00 ft (KB) To 3815.00 ft (KB) (TVD)

Reference Elevations: 2131.00 ft (KB)

Total Depth: 3865.00 ft (KB) (TVD)

2123.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8700 Outside

Press@RunDepth: psig @ 3747.00 ft (KB)

Start Date: 2019.07.12

End Date:

2019.07.12

Start Time: 12:22:38

End Time:

18:08:13

Capacity: 8000.00 psig

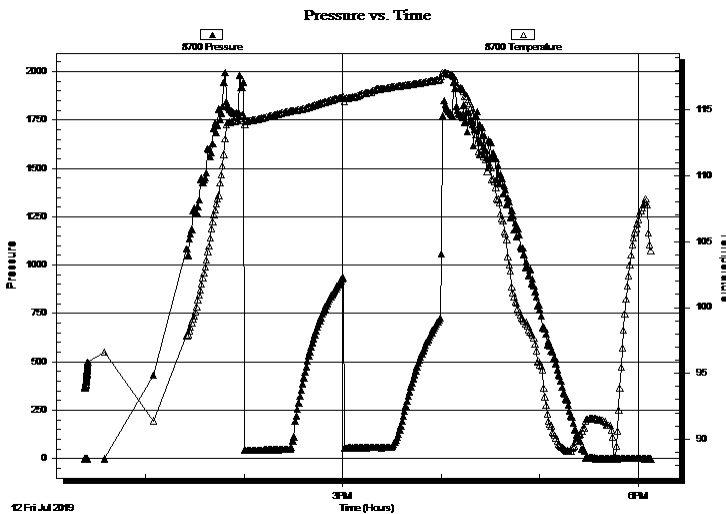
Last Calib.: 2019.07.12

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- IF- Slow ly built to 1.50"
30- IS- No blow
30- FF- Weak surface blow
30- FS- No blow

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	M	0.10

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co.

1-13S-20W Ellis,KS

PO Box 1019
Has, KS 67601

Ernie Pfeifer #1-1

Job Ticket: 64479 **DST#: 3**

ATTN: Marc Dow ning

Test Start: 2019.07.12 @ 12:22:05

GENERAL INFORMATION:

Formation: **Cong. Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:59:26

Time Test Ended: 18:07:26

Test Type: Conventional Straddle (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 3746.00 ft (KB) To 3815.00 ft (KB) (TVD)

Reference Elevations: 2131.00 ft (KB)

Total Depth: 3865.00 ft (KB) (TVD)

2123.00 ft (CF)

Hole Diameter: 7.88 inchesHole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8367 Below (Straddle)

Press@RunDepth: psig @ 3829.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.12 End Date: 2019.07.12

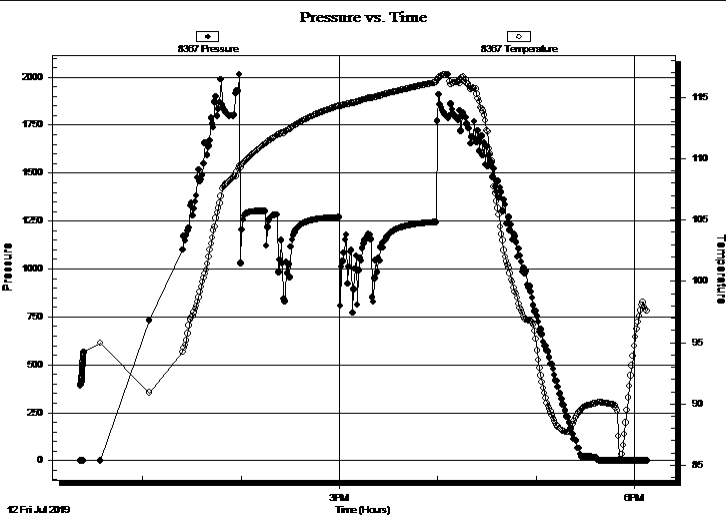
Last Calib.: 2019.07.12

Start Time: 12:22:13 End Time: 18:07:33

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- IF- Slow ly built to 1.50"
30- IS- No blow
30- FF- Weak surface blow
30- FS- No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	M	0.10

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.

1-13S-20W Ellis,KS

PO Box 1019
Has, KS 67601

Ernie Pfeifer #1-1

Job Ticket: 64479

DST#: 3

ATTN: Marc Dow ning

Test Start: 2019.07.12 @ 12:22:05

Tool Information

Drill Pipe:	Length: 3708.00 ft	Diameter: 3.82 inches	Volume: 52.56 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume:</u> - bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	3746.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	3815.00 ft				
Interval betw een Packers:	69.00 ft				
Tool Length:	139.00 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			3727.00	
Shut In Tool	5.00			3732.00	
Hydraulic tool	5.00			3737.00	
Packer	5.00			3742.00	20.00 Bottom Of Top Packer
Packer	4.00			3746.00	
Stubb	1.00			3747.00	
Recorder	0.00	6771	Inside	3747.00	
Recorder	0.00	8700	Outside	3747.00	
Perforations	18.00			3765.00	
Change Over Sub	1.00			3766.00	
Drill Pipe	32.00			3798.00	
Change Over Sub	1.00			3799.00	
Perforations	12.00			3811.00	
Blank Off Sub	1.00			3812.00	
Blank Spacing	3.00			3815.00	69.00 Tool Interval
Packer	1.00			3816.00	
Stubb	1.00			3817.00	
Perforations	11.00			3828.00	
Change Over Sub	1.00			3829.00	
Recorder	0.00	8367	Below	3829.00	
Drill Pipe	32.00			3861.00	
Change Over Sub	1.00			3862.00	
Bullnose	3.00			3865.00	50.00 Bottom Packers & Anchor
Total Tool Length:	139.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co.

1-13S-20W Ellis,KS

PO Box 1019
Has, KS 67601

Ernie Pfeifer #1-1

Job Ticket: 64479

DST#: 3

ATTN: Marc Dow ning

Test Start: 2019.07.12 @ 12:22:05

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: 60.00 sec/qt

Cushion Volume:

dbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume dbl
20.00	M	0.098

Total Length: 20.00 ft Total Volume: 0.098 dbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

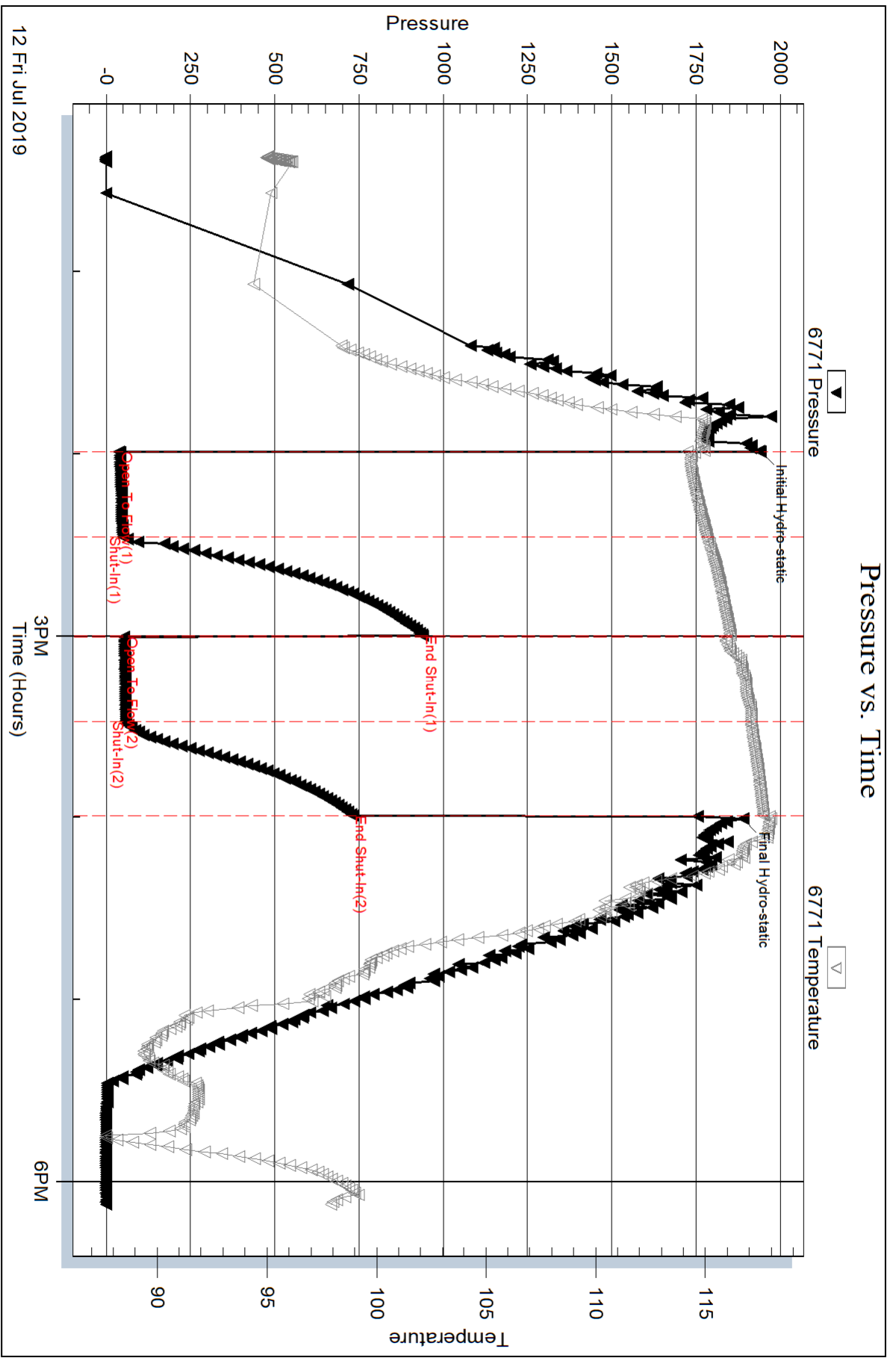
Serial #: 6771

Inside

Dow nung-Nelson Oil Co.

Ernie Pfeifer #1-1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 64479

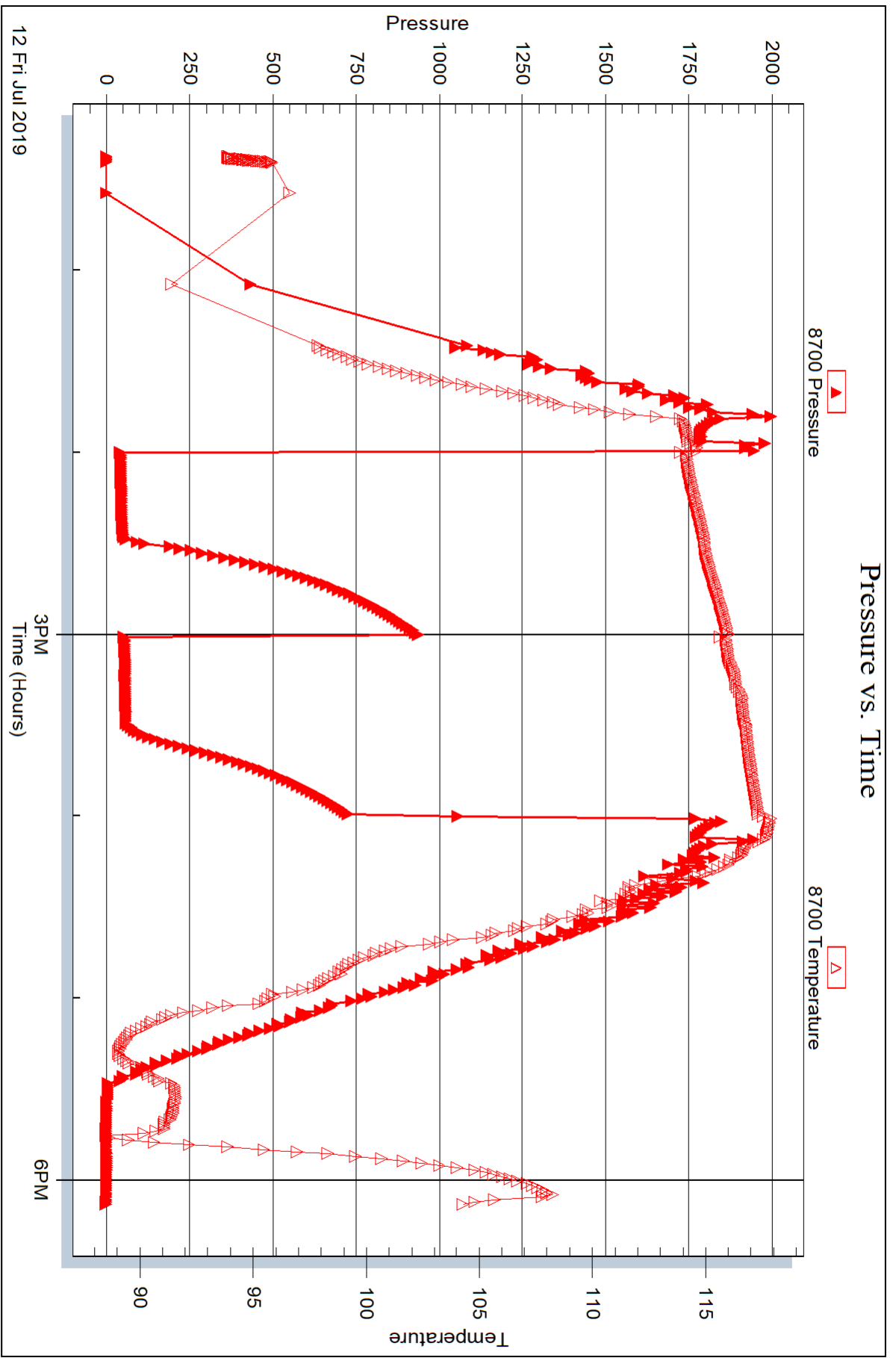
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Serial #: 8700

Outside Dow nting-Nelson Oil Co.

Ernie Peifer #1-1

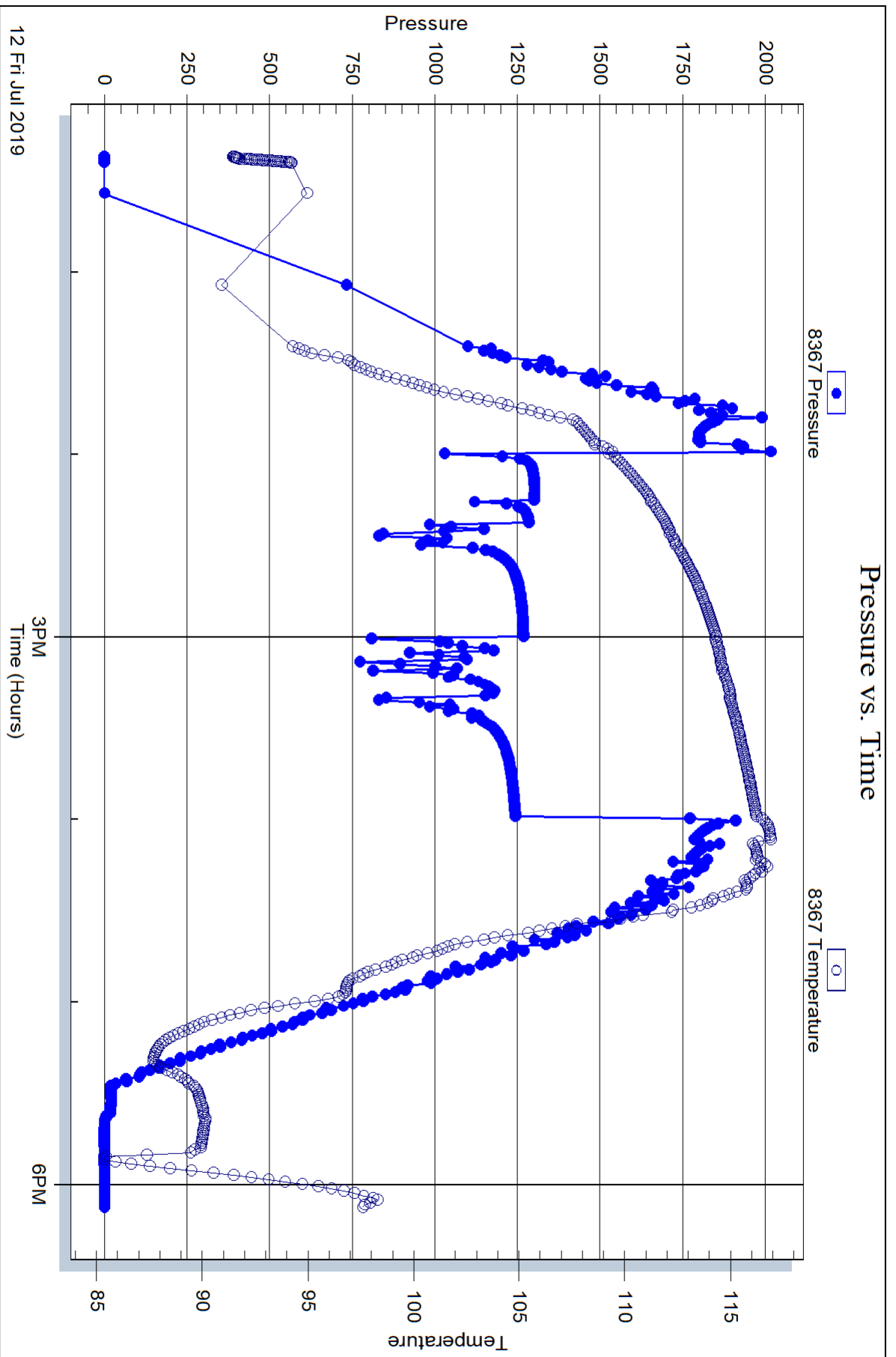
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 64479

Printed: 2019.07.16 @ 15:13:15





DRILL STEM TEST REPORT

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

PO Box 1019
Has, KS 67601

ATTN: Marc Downing

Ernie Pfeifer #1-1

1-13S-20W Ellis,KS

Start Date: 2019.07.12 @ 18:33:53

End Date: 2019.07.13 @ 01:24:14

Job Ticket #: 64480 DST #: 4

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.07.16 @ 15:08:57



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co.

1-13S-20W Ellis,KS

PO Box 1019
Has, KS 67601

Ernie Pfeifer #1-1

Job Ticket: 64480

DST#: 4

ATTN: Marc Dow ning

Test Start: 2019.07.12 @ 18:33:53

GENERAL INFORMATION:

Formation: **KC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:31:29
 Time Test Ended: 01:24:14
 Interval: **3565.00 ft (KB) To 3653.00 ft (KB) (TVD)**
 Total Depth: 3865.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 2131.00 ft (KB)
 2123.00 ft (CF)
 KB to GR/CF: 8.00 ft

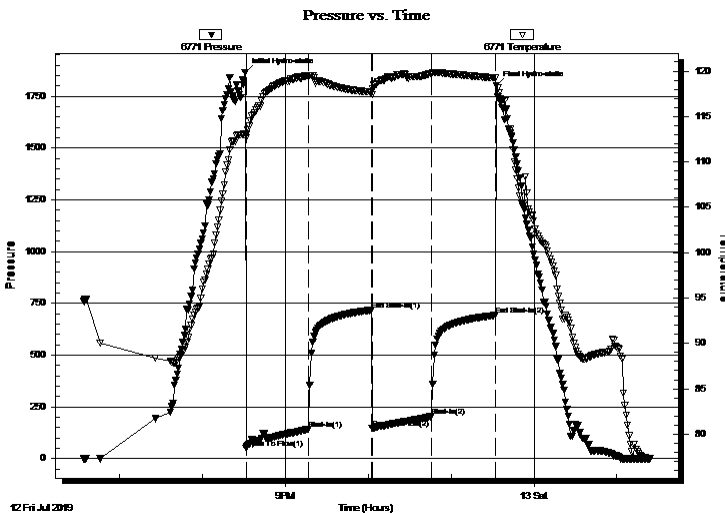
Serial #: 6771

Inside

Press@RunDepth: 203.37 psig @ 3566.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.07.12 End Date: 2019.07.13 Last Calib.: 2019.07.13
 Start Time: 18:33:54 End Time: 01:24:14 Time On Btm: 2019.07.12 @ 20:31:14
 Time Off Btm: 2019.07.12 @ 23:32:44

TEST COMMENT: 45- IF- BOB 18 mins. Built to 19.62"
 45- IS- No blow
 45- FF- BOB 39 mins. Built to 12.50"
 45- FS- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1865.83	113.10	Initial Hydro-static
1	51.66	112.65	Open To Flow (1)
46	143.66	119.47	Shut-In(1)
91	717.74	117.64	End Shut-In(1)
92	147.10	118.05	Open To Flow (2)
135	203.37	119.77	Shut-In(2)
181	692.47	119.25	End Shut-In(2)
182	1803.25	118.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
330.00	WM, 35%W 65%M	4.38

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co.

1-13S-20W Ellis,KS

PO Box 1019
Has, KS 67601

Ernie Pfeifer #1-1

Job Ticket: 64480

DST#: 4

ATTN: Marc Dow ning

Test Start: 2019.07.12 @ 18:33:53

GENERAL INFORMATION:

Formation: **KC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:31:29

Time Test Ended: 01:24:14

Interval: **3565.00 ft (KB) To 3653.00 ft (KB) (TVD)**

Total Depth: 3865.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Reference Elevations: 2131.00 ft (KB)

2123.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8700

Outside

Press@RunDepth: psig @ 3566.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.12

End Date:

2019.07.13

Last Calib.:

2019.07.13

Start Time: 18:33:05

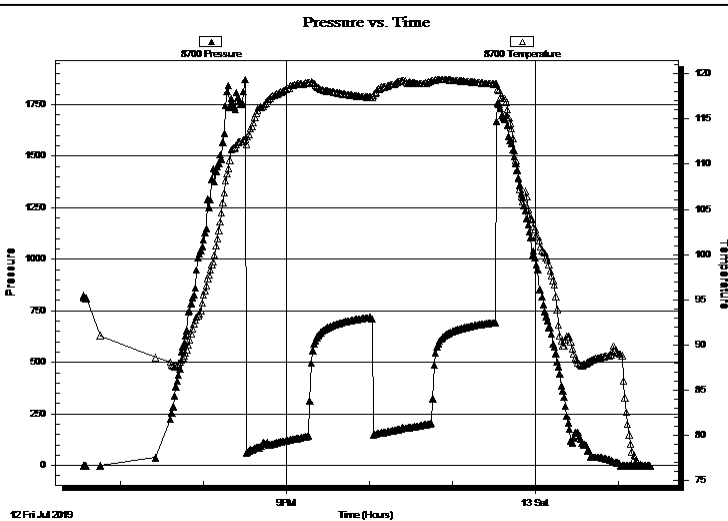
End Time:

01:23:40

Time On Btm:

Time Off Btm:

TEST COMMENT: 45- IF- BOB 18 mins. Built to 19.62"
45- IS- No blow
45- FF- BOB 39 mins. Built to 12.50"
45- FS- No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
330.00	WM, 35%W 65%M	4.38

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co.

1-13S-20W Ellis,KS

PO Box 1019
Has, KS 67601

Ernie Pfeifer #1-1

Job Ticket: 64480

DST#: 4

ATTN: Marc Dow ning

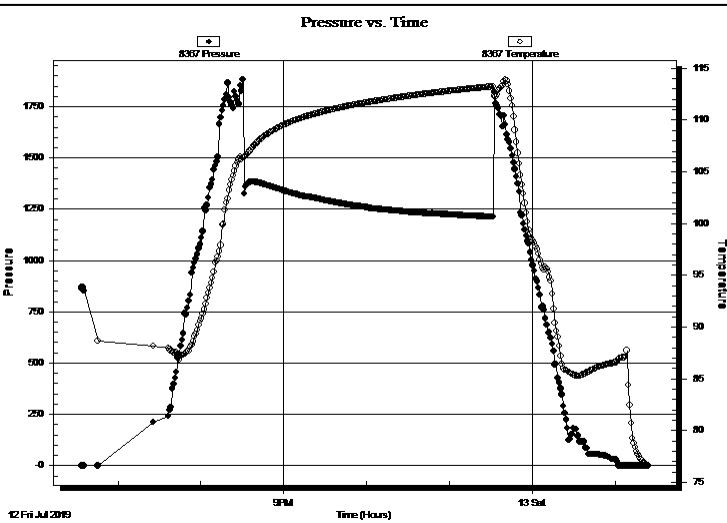
Test Start: 2019.07.12 @ 18:33:53

GENERAL INFORMATION:

Formation: **KC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:31:29
 Time Test Ended: 01:24:14
 Interval: **3565.00 ft (KB) To 3653.00 ft (KB) (TVD)**
 Total Depth: 3865.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 2131.00 ft (KB)
 2123.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8367 Below (Straddle)
 Press@RunDepth: psig @ 3671.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.07.12 End Date: 2019.07.13 Last Calib.: 2019.07.13
 Start Time: 18:33:38 End Time: 01:23:58 Time On Btm:
 Time Off Btm:

TEST COMMENT: 45- IF- BOB 18 mins. Built to 19.62"
 45- IS- No blow
 45- FF- BOB 39 mins. Built to 12.50"
 45- FS- No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
330.00	WM, 35%W 65%M	4.38

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.

1-13S-20W Ellis,KS

PO Box 1019
Has, KS 67601

Ernie Pfeifer #1-1

Job Ticket: 64480

DST#: 4

ATTN: Marc Dow ning

Test Start: 2019.07.12 @ 18:33:53

Tool Information

Drill Pipe:	Length: 3519.00 ft	Diameter: 3.82 inches	Volume: 49.88 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	3565.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	3653.00 ft			
Interval betw een Packers:	88.00 ft			
Tool Length:	320.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Change Over Sub	1.00			3546.00	
Shut In Tool	5.00			3551.00	
Hydraulic tool	5.00			3556.00	
Packer	5.00			3561.00	20.00 Bottom Of Top Packer
Packer	4.00			3565.00	
Stubb	1.00			3566.00	
Recorder	0.00	6771	Inside	3566.00	
Recorder	0.00	8700	Outside	3566.00	
Perforations	3.00			3569.00	
Change Over Sub	1.00			3570.00	
Drill Pipe	63.00			3633.00	
Change Over Sub	1.00			3634.00	
Perforations	15.00			3649.00	
Blank Off Sub	1.00			3650.00	
Blank Spacing	3.00			3653.00	88.00 Tool Interval
Packer	1.00			3654.00	
Stubb	1.00			3655.00	
Perforations	15.00			3670.00	
Change Over Sub	1.00			3671.00	
Recorder	0.00	8367	Below	3671.00	
Drill Pipe	190.00			3861.00	
Change Over Sub	1.00			3862.00	
Bullnose	3.00			3865.00	212.00 Bottom Packers & Anchor
Total Tool Length:	320.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co.

1-13S-20W Ellis,KS

PO Box 1019
Has, KS 67601

Ernie Pfeifer #1-1

Job Ticket: 64480

DST#: 4

ATTN: Marc Dow ning

Test Start: 2019.07.12 @ 18:33:53

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:

62000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
330.00	WM, 35%W 65%M	4.382

Total Length: 330.00 ft Total Volume: 4.382 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

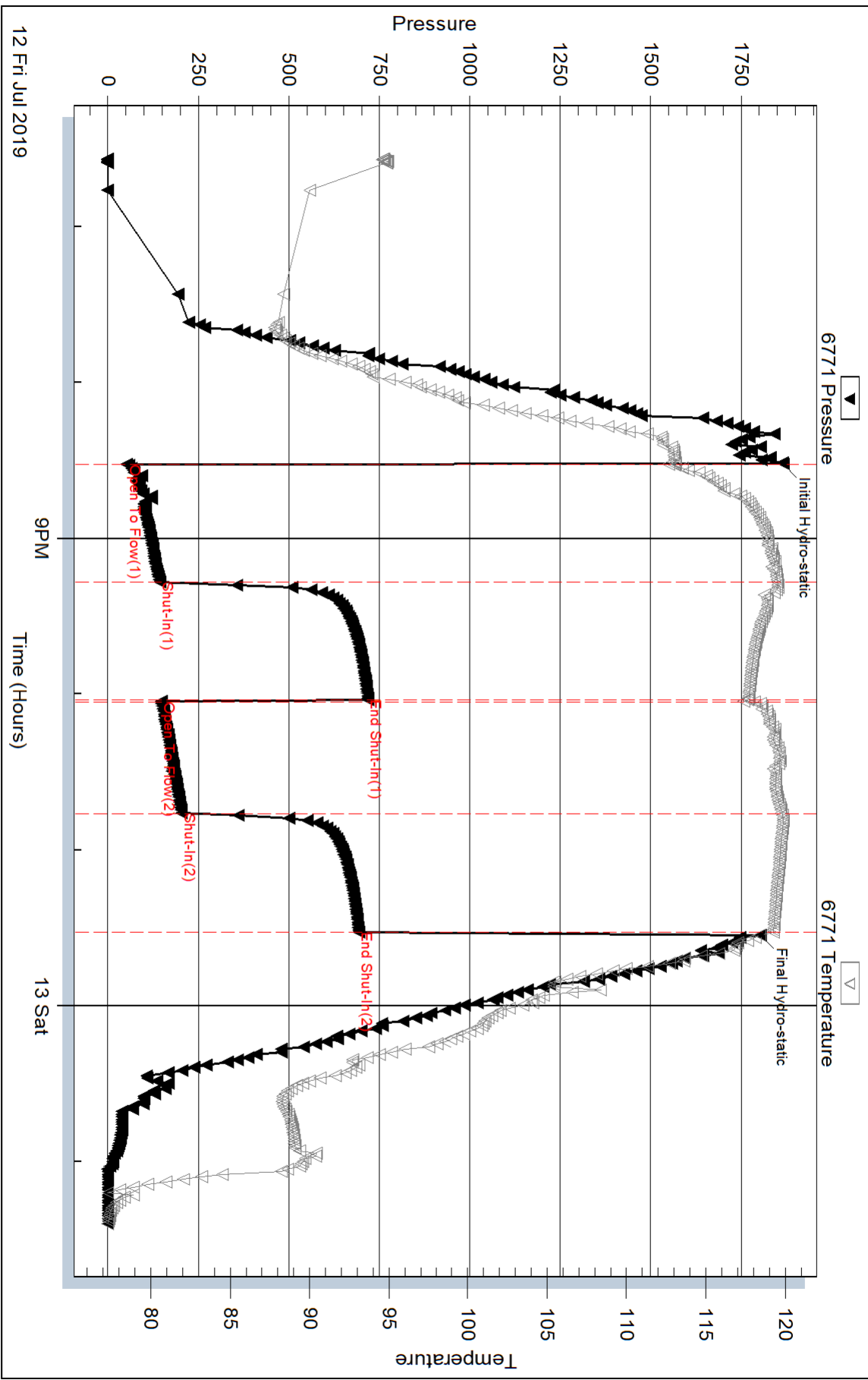
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .10@74deg

Pressure vs. Time

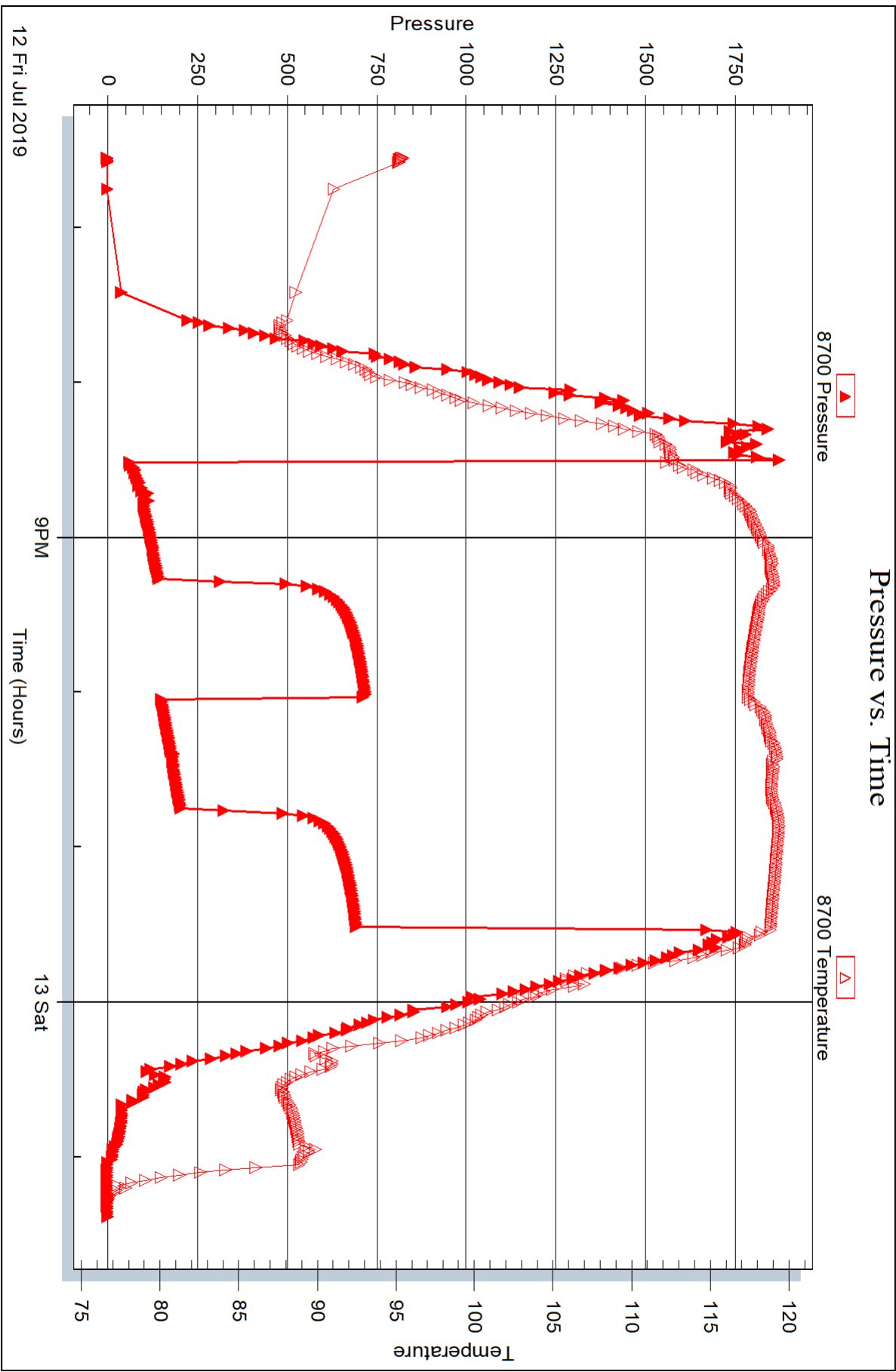


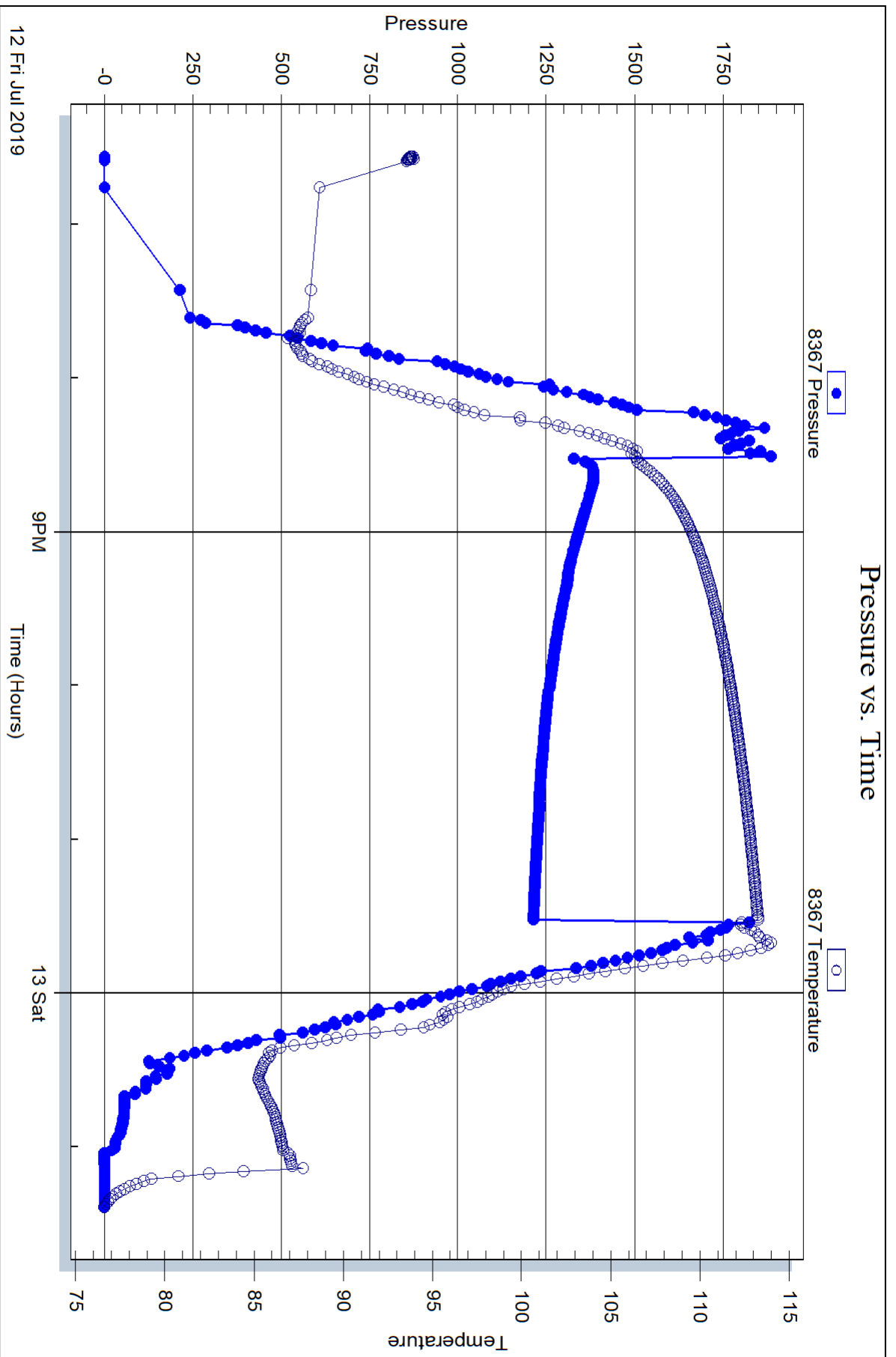
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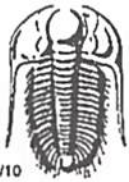
Outside Dow n/ing-Nelson Oil Co.

Ernie Peifer #1-1

DST Test Number: 4







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64477

Well Name & No. Emie Pfeiffer #1-1 Test No. 1 Date 7/10/19
 Company Downing Nelson Oil Co, Inc. Elevation 2131 KB 2123 GL
 Address PO Box 1019 Hays, KS 67601
 Co. Rep / Geo. Marc Downing Rig Discovery 4
 Location: Sec. 1 Twp 13 S Rge. 20 W Co. Ellis State KS

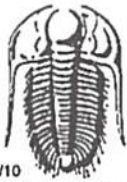
Interval Tested 3436-3512 Zone Tested LKC "A+D"
 Anchor Length 26' Drill Pipe Run 3391 Mud Wt. 8.6
 Top Packer Depth 3431 Drill Collars Run 32 Vis 30
 Bottom Packer Depth 3436 Wt. Pipe Run _____ WL 8.0
 Total Depth 3512 Chlorides 4,000 ppm System LCM 1#
 Blow Description IF - Weak blow built slowly to 1.69"
ISI - No blow
FF - Weak blow built slowly to 1.49"
FSE - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>SOCMA</u>		<u>10</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 50' BHT 106° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1663</u>	<input checked="" type="checkbox"/> Test <u>1200</u>	T-On Location <u>1110</u>
(B) First Initial Flow <u>20</u>	<input type="checkbox"/> Jars _____	T-Started <u>1124</u>
(C) First Final Flow <u>33</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>1543</u>
(D) Initial Shut-In <u>434</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1743</u>
(E) Second Initial Flow <u>36</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1919</u>
(F) Second Final Flow <u>38</u>	<input checked="" type="checkbox"/> Mileage <u>32 RT</u> <u>32</u>	Comments _____
(G) Final Shut-In <u>368</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1608</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>1232</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1232</u>	

Approved By _____ Our Representative Brannan Lonsdale
 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. **64478**

4/10

Well Name & No. Ernie Pfeiffer #1-1 Test No. 2 Date 7/11/19
 Company Downing Nelson Oil Co. Inc. Elevation 2131 KB 2123 GL
 Address PO Box 1019 Hays, KS 67601
 Co. Rep / Geo. Marc Downing Rig Discovery 4
 Location: Sec. 1 Twp 13 S Rge. 20 W Co. Ellis State KS

Interval Tested 3507-3525 Zone Tested LKC "E"
 Anchor Length 18' Drill Pipe Run 3487 Mud Wt. 8.6
 Top Packer Depth 3507 Drill Collars Run 32 Vis 50
 Bottom Packer Depth 3507 Wt. Pipe Run --- WL 8.0
 Total Depth 3525 Chlorides 4,000 ppm System LCM 1#

Blow Description IF - Weak blow built slowly to 1.23"
ISD - No blow
PF - Surface blow
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>OSM</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

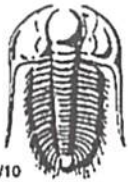
Rec Total 30' BHT 107° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1735</u>	<input checked="" type="checkbox"/> Test <u>1200</u>	T-On Location <u>0047</u>
(B) First Initial Flow <u>14</u>	<input type="checkbox"/> Jars _____	T-Started <u>0104</u>
(C) First Final Flow <u>19</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>0303</u>
(D) Initial Shut-In <u>159</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>0503</u>
(E) Second Initial Flow <u>21</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>0632</u>
(F) Second Final Flow <u>24</u>	<input checked="" type="checkbox"/> Mileage <u>32 RT</u> <u>32</u>	Comments _____
(G) Final Shut-In <u>81</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1645</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 0
 Final Flow 30 Day Standby _____ Total 1232
 Final Shut-In 30 Accessibility _____ MP/DST Disc't _____
 Sub Total 1232

Approved By _____ Our Representative Bannon Lunsdale

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. **64479**

4/10

Well Name & No. Ernie Pfeifer #1-1 Test No. 3 Date 7/12/19
 Company Downing-Nelson Oil Co. Inc. Elevation 2131 KB 2123 GL
 Address PO Box 1019 Hays, KS 67601
 Co. Rep / Geo. Mr Jason T. Alm Rig Discovery 4
 Location: Sec. 1 Twp 13 S Rge. 20 W Co. Ellis State KS

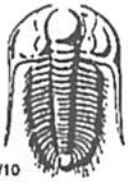
Interval Tested 3746-3815 Zone Tested Cong. Sand
 Anchor Length 69' Tail: 50' Drill Pipe Run 3208 Mud Wt. 8.8
 Top Packer Depth 3741-3746 Drill Collars Run 32 Vis 60
 Bottom Packer Depth 3815 Wt. Pipe Run _____ WL 9.6
 Total Depth 3865 Chlorides 5,600 ppm System LCM 1#
 Blow Description IF - slowly built to 1.50"
ISF - No blow
FF - Weak surface blow
FST - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>M</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 20' BHT 118° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 1941 Test 1200 T-On Location 1135
 (B) First Initial Flow 38 Jars _____ T-Started 1222
 (C) First Final Flow 50 Safety Joint _____ T-Open 1359
 (D) Initial Shut-In 938 Circ Sub _____ T-Pulled 1559
 (E) Second Initial Flow 52 Hourly Standby _____ T-Out 1807
 (F) Second Final Flow 58 Mileage 32 RT ³² Comments _____
 (G) Final Shut-In 732 Sampler _____
 (H) Final Hydrostatic 1890 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer 320
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 2152
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1832

Approved By _____ Our Representative Brannan Lonsdale

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. 64480

Well Name & No. Ernie Pfeifer #1-1 Test No. 4 Date 7/12/19
 Company Downing-Nelson Oil Co, Inc Elevation 2131 KB 2123 GL
 Address PO Box 1019 Hays, KS 67601
 Co. Rep / Geo. Jason T Alm Rig Discovery 4
 Location: Sec. 1 Twp 13 S Rge. 20 W Co. Ellis State KS

Interval Tested 3565 - 3653 Zone Tested KC
 Anchor Length 88' tail: 212' Drill Pipe Run 3519 Mud Wt. 8.8
 Top Packer Depth 3560-3565 Drill Collars Run 32 Vis 60
 Bottom Packer Depth 3653 Wt. Pipe Run _____ WL 9.6
 Total Depth 3865 Chlorides 5,000 ppm System LCM 1#
 Blow Description IF-BOB 18 mins Built to 19.62"
ISF - No blow
FF-BOB 39 mins Built to 12.50"
FST - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>330</u>	<u>WM</u>			<u>35</u>	<u>65</u>
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 330' BHT 119° Gravity _____ API RW .10 @ 74 °F Chlorides 62,000 ppm
 (A) Initial Hydrostatic 1866 Test 1200 T-On Location 1807
 (B) First Initial Flow 52 Jars _____ T-Started 1833
 (C) First Final Flow 144 Safety Joint _____ T-Open 2031
 (D) Initial Shut-In 718 Circ Sub _____ T-Pulled 2331
 (E) Second Initial Flow 147 Hourly Standby _____ T-Out 7/13 0123
 (F) Second Final Flow 203 Mileage _____
 (G) Final Shut-In 692 Sampler _____
 (H) Final Hydrostatic 1803 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 45 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1800
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1800

Approved By _____ Our Representative Brennan Loosdale

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.