

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	SANDER FARMS 1-10
Doc ID	1857479

Tops

Name	Top	Datum
Top Anydrite	1018'	913
Base Anhydrite	1056'	875
Topeka	2892'	-961
Heebner	3116'	-1185
Toronto	3135'	-1204
LKC	3163'	-1232
BKC	3396'	-1465
Arbuckle	3413'	-1482

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	SANDER FARMS 1-10
Doc ID	1857479

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.875	23	221	Class A	150	2% Gel & 3% CC

LOG

SWIFT Services, Inc.

DATE

8-1-2025

PAGE NO.

1

CUSTOMER

Downing and Nelson

WELL NO.

#1

LEASE

Sander Farm

JOB TYPE

Surface

TICKET NO.

37541

CHART
NO.

TIME

RATE
(BPM)VOLUME
(BBL) (GAL)

PUMPS

T C

PRESSURE (PSI)

TUBING

CASING

DESCRIPTION OF OPERATION AND MATERIALS

1800

On Loc. set up truck

Rig Drilling

T.O. 221'

1935

Total Pipe 220' 8 5/8 23"

Break Circulation

1945

Mix 150 sks STD. Cat.

2% Gel, 3% CC

Displ. 12.5^{cu}

Shut in @ well head

Wash & Rack up truck

Circulated Cat. to Pit

Job Complete

2015

Thank You

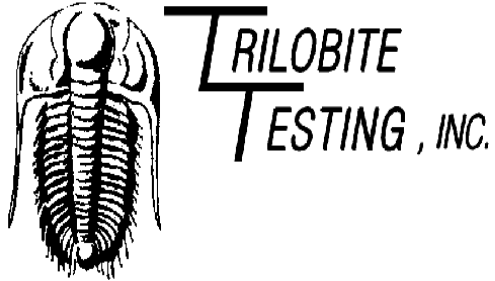
Roger Mark Broad

SWIFT Services, Inc.

DATE 08/08/25 PAGE NO. 1

LOG

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Dunning & Nelson		1-10		Sanders Farms		PTA		3798	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	2015							On location, set up trucks.	
	2100							1 st Plug - 3396'	
		3	10					Pump water ahead	
		3	13					Pump 50 SKS cmf	
		3	4					Pump water to Displace	
			35					Finish Displacement w/ rig mud.	
	2220							2 nd Plug - 1040'	
		3	10					Pump wtr ahead	
		3	13					Pump 50 SKS cmf	
		3	8					Displace w/ water	
	2300							3 rd Plug - 450'	
		3	5					Pump wtr ahead	
		3	13					Pump 50 SKS cmf	
		3	2					Displace w/ water	
	2340							4 th Plug - 270'	
		3	4					Pump wtr ahead	
		3	13					Pump 50 SKS cmf	
		3	2					Displace w/ water	
								5 th Plug - 40'	
		1	2 1/2					Top off w/ 10 SKS	
		2	8					Plug Rathole w/ 30 SKS	
		2	4					Plug Monshole w/ 15 SKS	
								Washup truck	
								Rack up	
	0045							Job Complete	
								Thanks	
								Jon, Justin & Austin	



DRILL STEM TEST REPORT

Prepared For: **Downing Nelson Oil Co**

PO. Box 1019
Hays, KS 67601

ATTN: Marc Downing

Sander Farms #1-10

10-14S-16W Ellis,KS

Start Date: 2025.08.05 @ 16:10:00

End Date: 2025.08.05 @ 21:45:15

Job Ticket #: 72799 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2025.08.12 @ 10:57:48

Downing Nelson Oil Co

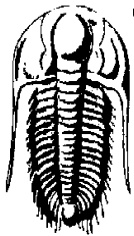
10-14S-16W Ellis,KS

Sander Farms #1-10

DST # 1

Toronto-LKC A

2025.08.05



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co

10-14S-16W Ellis,KS

P.O. Box 1019
Hays, KS 67601

Sander Farms #1-10

Job Ticket: 72799

DST#: 1

ATTN: Marc Dow ning

Test Start: 2025.08.05 @ 16:10:00

GENERAL INFORMATION:

Formation: **Toronto-LKC A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:48:30

Time Test Ended: 21:45:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

Interval: 3112.00 ft (KB) To 3178.00 ft (KB) (TVD)

Reference Elevations: 1931.00 ft (KB)

Total Depth: 3178.00 ft (KB) (TVD)

1923.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8648

Inside

Press@RunDepth: 67.28 psig @ 3113.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2025.08.05

End Date:

2025.08.05

Last Calib.:

2025.08.05

Start Time: 16:10:05

End Time:

21:45:14

Time On Btm:

2025.08.05 @ 17:46:15

Time Off Btm:

2025.08.05 @ 20:19:00

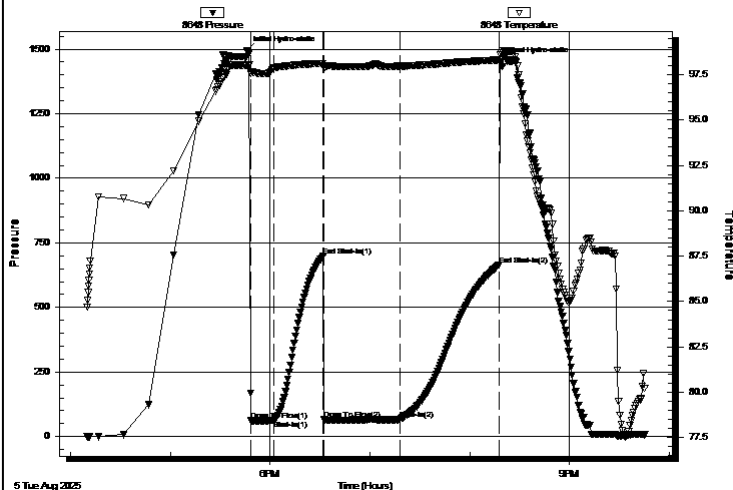
TEST COMMENT: IF-15-Slid 12' bled off 6.89" blow , built to 3.68"

SI1-30- No return

FF-45- Built to 4.5"

SI2-60- No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1494.96	98.01	Initial Hydro-static
3	61.69	97.59	Open To Flow (1)
17	62.51	97.87	Shut-In(1)
46	699.75	98.10	End Shut-In(1)
47	65.68	97.86	Open To Flow (2)
92	67.28	97.96	Shut-In(2)
152	662.90	98.30	End Shut-In(2)
153	1453.00	98.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	VGOCM 30% gas 5% oil 65% mud	0.57
50.00	SGOCM 5% gas 2% oil 93% mud	0.70

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Dow ning Nelson Oil Co

PO. Box 1019
Hays, KS 67601

Job Ticket: 72799

DST#: 1

ATTN: Marc Downing

Test Start: 2025.08.05 @ 16:10:00

Formation: **Toronto-LKC A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:48:30

Time Test Ended: 21:45:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

Interval: 3112.00 ft (KB) To 3178.00 ft (KB) (TVD)

Total Depth: 3178.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1931.00 ft (KB)

1923.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8675 Outside

Press@RunDepth: psig @ 3113.00 ft (KB)

Start Date: 2025.08.05

End Date:

2025.08.05

Start Time: 16:10:05

End Time:

21:45:29

Capacity: 8000.00 psig

Last Calib.: 2025.08.05

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-15-Slid 12' bled off 6.89" blow , built to 3.68"

SI1-30- No return

FF-45- Built to 4.5"

SI2-60- No return



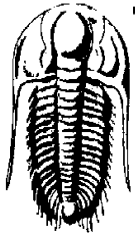
Recovery

Gas Rates

Trilobite Testing, Inc

Ref. No: 72799

Printed: 2025.08.12 @ 10:57:49



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning Nelson Oil Co

10-14S-16W Ellis,KS

P.O. Box 1019
Hays, KS 67601

Sander Farms #1-10

Job Ticket: 72799

DST#: 1

ATTN: Marc Dow ning

Test Start: 2025.08.05 @ 16:10:00

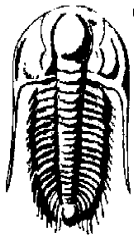
Tool Information

Drill Pipe:	Length:	3067.00 ft	Diameter:	3.80 inches	Volume:	43.02 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	2.75 inches	Volume:	- bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:	84000.00 lb
					Total Volume:	- bbl	Tool Chased	12.00 ft
Drill Pipe Above KB:		10.00 ft					String Weight: Initial	46000.00 lb
Depth to Top Packer:		3112.00 ft					Final	46000.00 lb
Depth to Bottom Packer:		ft						
Interval betw een Packers:		66.00 ft						
Tool Length:		91.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3092.00	
Hydraulic tool	5.00			3097.00	
EM Tool	3.00			3100.00	
Safety Joint	3.00			3103.00	
Packer	5.00			3108.00	25.00 Bottom Of Top Packer
Packer	4.00			3112.00	
Stubb	1.00			3113.00	
Recorder	0.00	8648	Inside	3113.00	
Recorder	0.00	8675	Outside	3113.00	
perforations	27.00			3140.00	
change Over Sub	1.00			3141.00	
drill Pipe	32.00			3173.00	
change Over Sub	1.00			3174.00	
Bullnose	4.00			3178.00	66.00 Bottom Packers & Anchor

Total Tool Length: 91.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning Nelson Oil Co

10-14S-16W Ellis,KS

P.O. Box 1019
Hays, KS 67601

Sander Farms #1-10

Job Ticket: 72799

DST#: 1

ATTN: Marc Dow ning

Test Start: 2025.08.05 @ 16:10:00

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: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	VGOCM 30% gas 5% oil 65% mud	0.568
50.00	SGOCM 5% gas 2% oil 93% mud	0.701

Total Length: 110.00 ft

Total Volume: 1.269 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2.5 #LCM

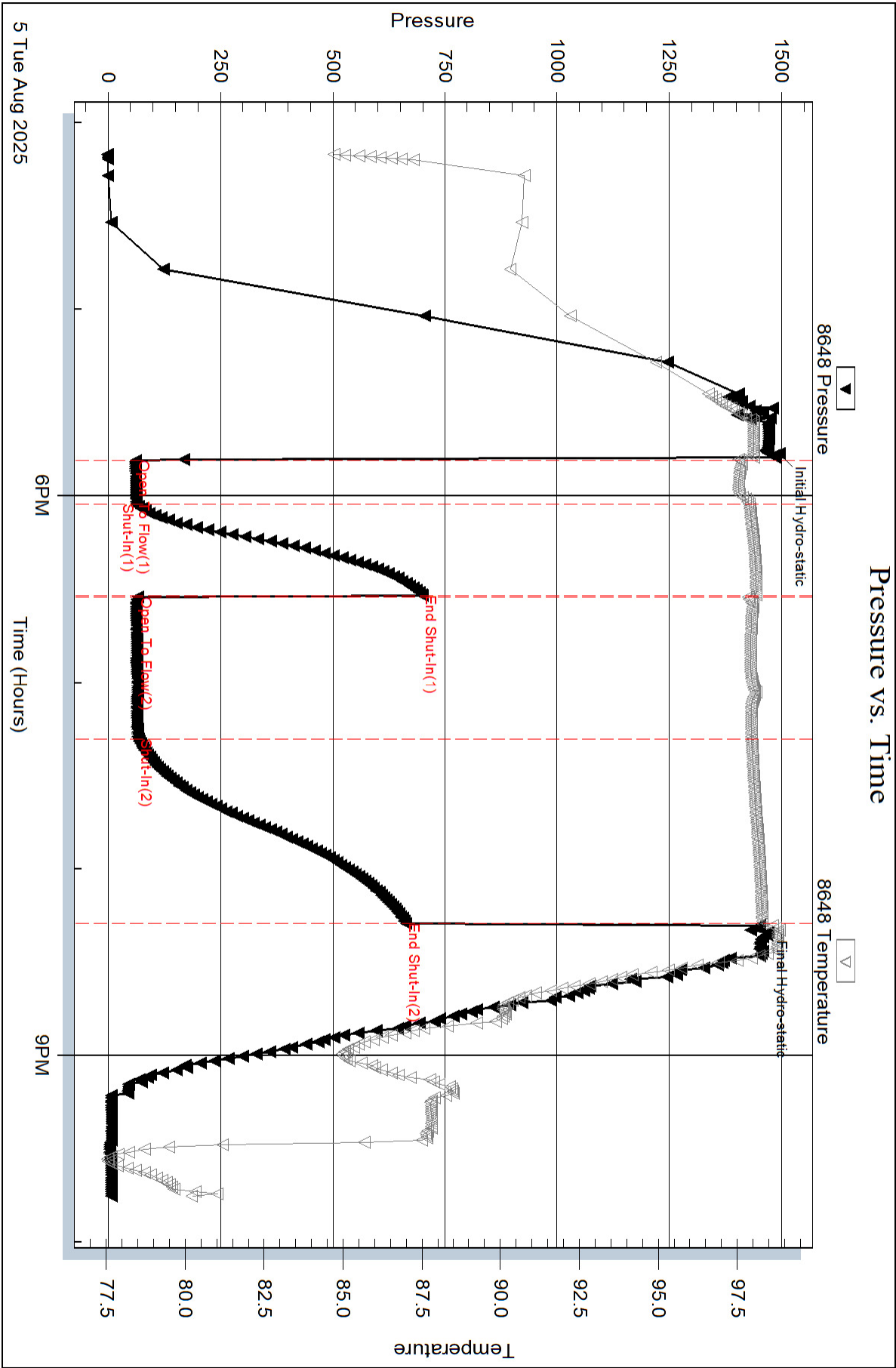
Serial #: 8648

Inside

Dow n ing Nelson Oil Co

Sander Farms #1-10

DST Test Number: 1



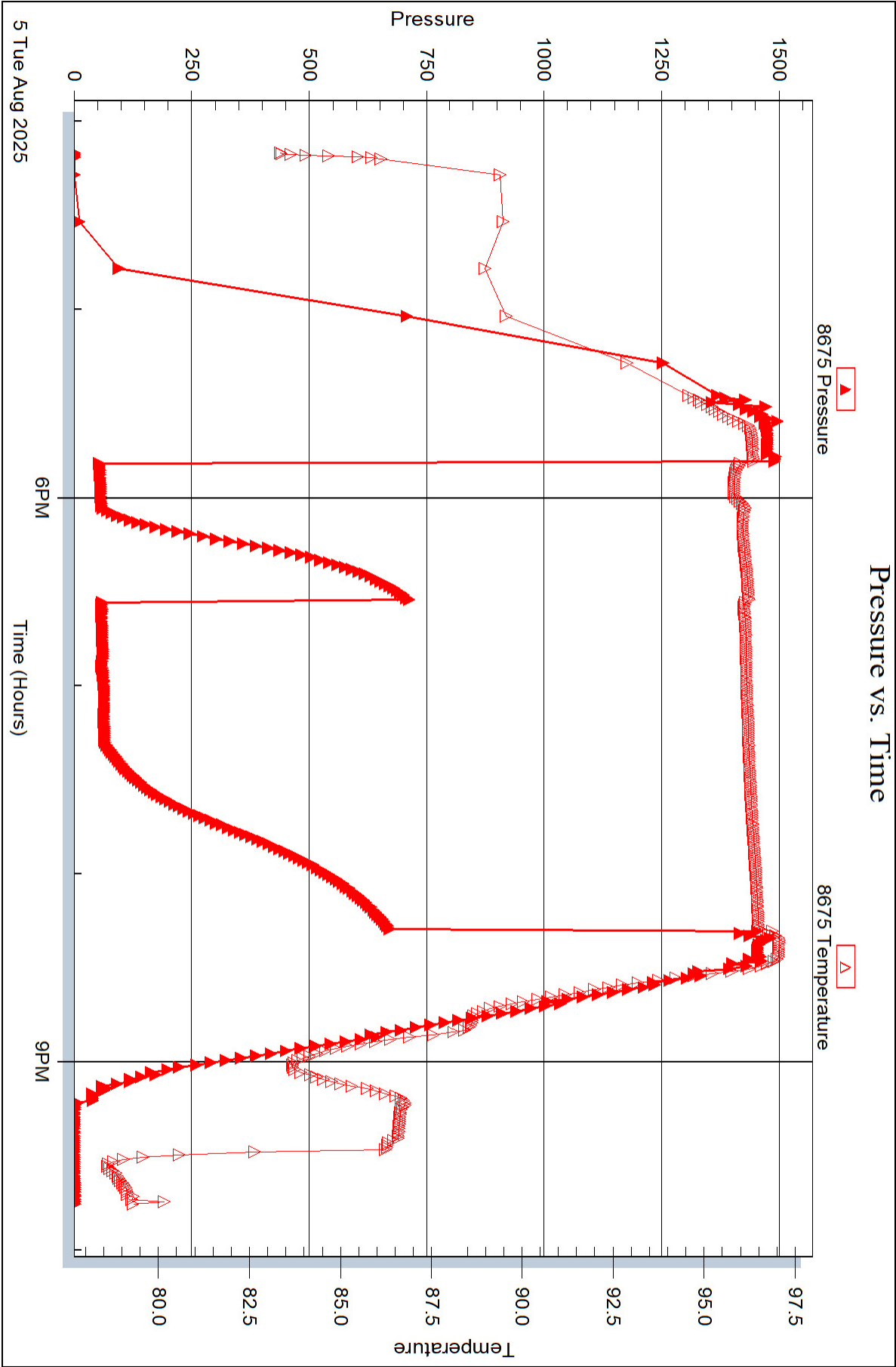
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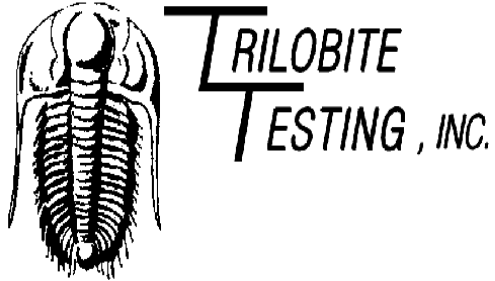
Outside

Dow n ing Nelson Oil Co

Sander Farms #1-10

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Downing Nelson Oil Co**

PO. Box 1019
Hays, KS 67601

ATTN: Marc Downing

Sander Farms #1-10

10-14S-16W Ellis,KS

Start Date: 2025.08.06 @ 09:44:00

End Date: 2025.08.06 @ 15:20:30

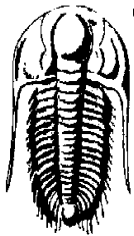
Job Ticket #: 72800 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2025.08.12 @ 10:57:16



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co

10-14S-16W Ellis,KS

P.O. Box 1019
Hays, KS 67601

Sander Farms #1-10

ATTN: Marc Dow ning

Job Ticket: 72800

DST#: 2

Test Start: 2025.08.06 @ 09:44:00

GENERAL INFORMATION:

Formation: **LKC D-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:30:00

Time Test Ended: 15:20:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3198.00 ft (KB) To 3257.00 ft (KB) (TVD)

Reference Elevations: 1931.00 ft (KB)

Total Depth: 3257.00 ft (KB) (TVD)

1923.00 ft (CF)

Hole Diameter: 7.88 inchesHole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8675 Outside

Press@RunDepth: 46.18 psig @ 3199.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2025.08.06

End Date:

2025.08.06

Last Calib.: 2025.08.06

Start Time: 09:44:05

End Time:

15:20:29

Time On Btm: 2025.08.06 @ 11:27:45

Time Off Btm: 2025.08.06 @ 13:59:45

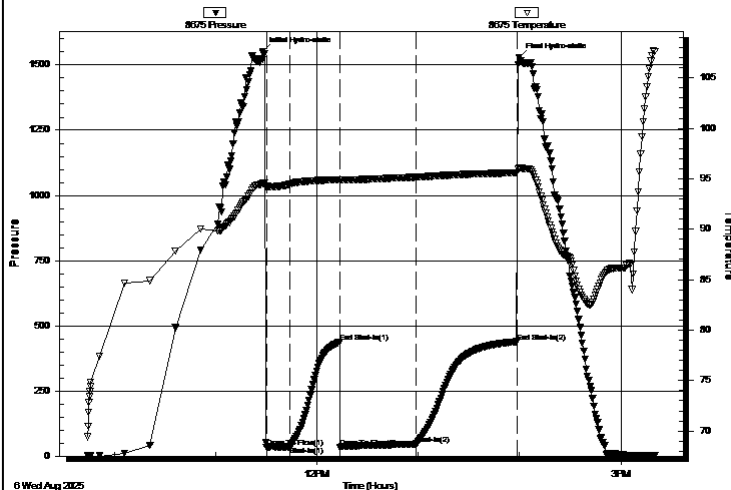
TEST COMMENT: IF-15- slid 4', built to 3.41"

SI1-30- No return

FF-45- Built to 6.42"

SI2-60- No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1552.57	94.53	Initial Hydro-static
3	34.60	94.28	Open To Flow (1)
16	36.32	94.46	Shut-In(1)
46	436.12	94.92	End Shut-In(1)
46	34.00	94.86	Open To Flow (2)
91	46.18	95.17	Shut-In(2)
151	437.74	95.60	End Shut-In(2)
152	1528.58	96.02	Final Hydro-static

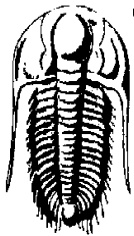
Recovery

Length (ft)	Description	Volume (bbl)
60.00	GSOCM 10% gas 5% oil 85% mud	0.57
0.00	60' GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co

10-14S-16W Ellis,KS

P.O. Box 1019
Hays, KS 67601

Sander Farms #1-10

Job Ticket: 72800

DST#: 2

ATTN: Marc Dow ning

Test Start: 2025.08.06 @ 09:44:00

GENERAL INFORMATION:

Formation: **LKC D-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:30:00

Time Test Ended: 15:20:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3198.00 ft (KB) To 3257.00 ft (KB) (TVD)

Reference Elevations: 1931.00 ft (KB)

Total Depth: 3257.00 ft (KB) (TVD)

1923.00 ft (CF)

Hole Diameter: 7.88 inchesHole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8648

Inside

Press@RunDepth: psig @ 3199.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2025.08.06

End Date:

2025.08.06

Last Calib.:

2025.08.06

Start Time: 09:44:05

End Time:

15:20:29

Time On Btm:

Time Off Btm:

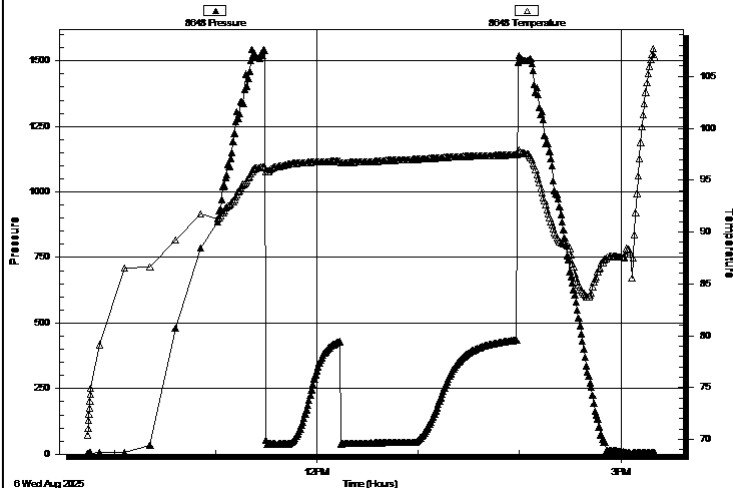
TEST COMMENT: IF-15- slid 4', built to 3.41"

SI1-30- No return

FF-45- Built to 6.42"

SI2-60- No return

Pressure vs. Time



PRESSURE SUMMARY

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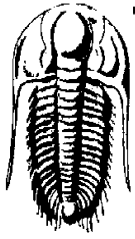
Recovery

Length (ft)	Description	Volume (bbl)
60.00	GSOCM 10% gas 5% oil 85% mud	0.57
0.00	60' GIP	0.00

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

10-14S-16W Ellis,KS

PO. Box 1019
Hays, KS 67601

Sander Farms #1-10

Job Ticket: 72800

DST#: 2

ATTN: Marc Dow ning

Test Start: 2025.08.06 @ 09:44:00

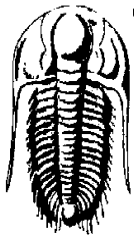
Tool Information

Drill Pipe:	Length: 3161.00 ft	Diameter: 3.80 inches	Volume: 44.34 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	62000.00 lb
		Total Volume:	- bbl	Tool Chased	4.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3198.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval betw een Packers:	59.00 ft				
Tool Length:	84.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3178.00	
Hydraulic tool	5.00			3183.00	
EM Tool	3.00			3186.00	
Safety Joint	3.00			3189.00	
Packer	5.00			3194.00	25.00 Bottom Of Top Packer
Packer	4.00			3198.00	
Stubb	1.00			3199.00	
Recorder	0.00	8648	Inside	3199.00	
Recorder	0.00	8675	Outside	3199.00	
perforations	20.00			3219.00	
change Over Sub	1.00			3220.00	
drill Pipe	32.00			3252.00	
change Over Sub	1.00			3253.00	
Bullnose	4.00			3257.00	59.00 Bottom Packers & Anchor

Total Tool Length: 84.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning Nelson Oil Co

10-14S-16W Ellis,KS

PO. Box 1019
Hays, KS 67601

Sander Farms #1-10

Job Ticket: 72800

DST#: 2

ATTN: Marc Dow ning

Test Start: 2025.08.06 @ 09:44:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 59.00 sec/qt

Water Loss: 7.99 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GSOCM 10% gas 5% oil 85% mud	0.568
0.00	60' GIP	0.000

Total Length: 60.00 ft

Total Volume: 0.568 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2.5# LCM

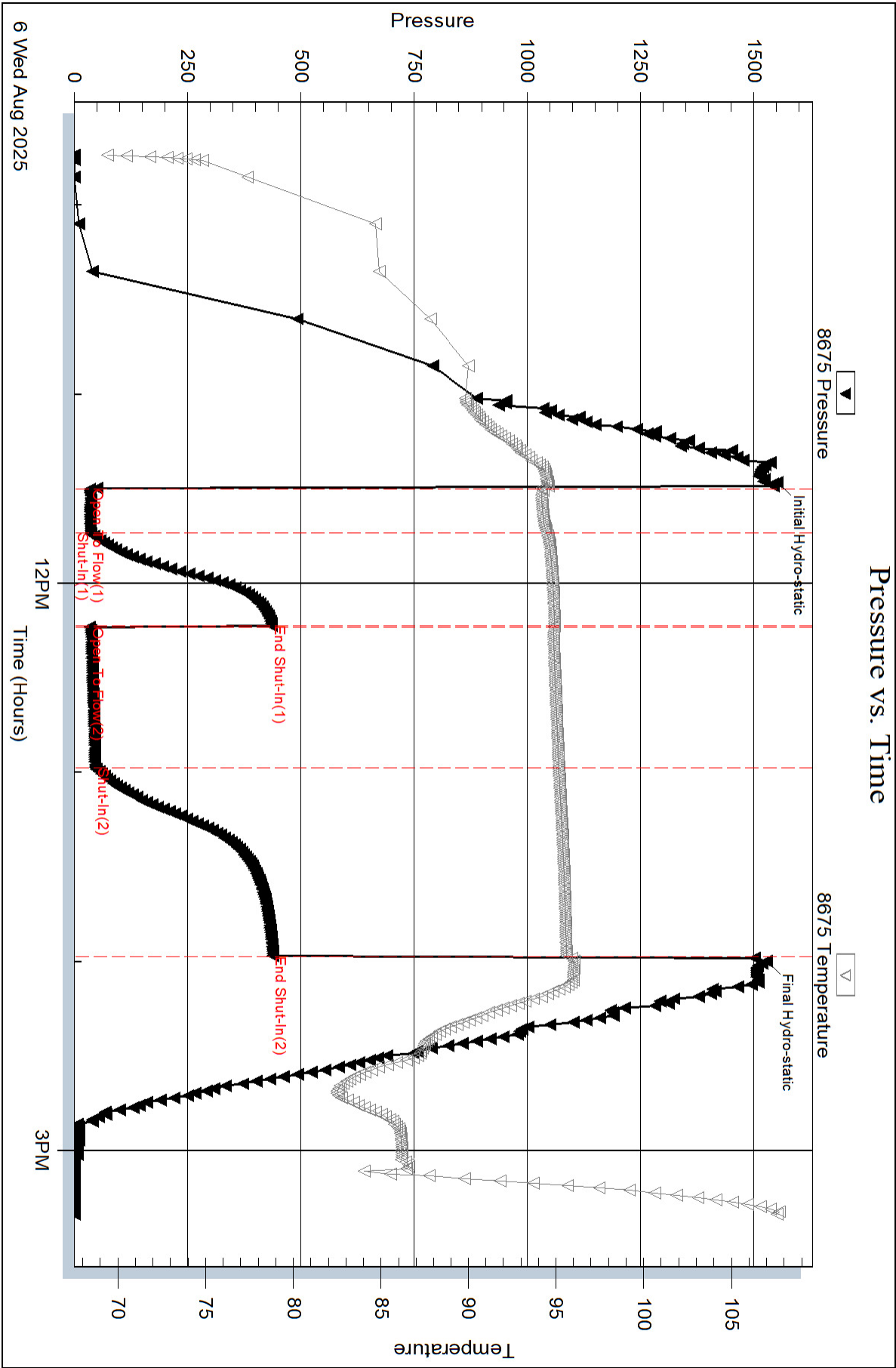
Serial #: 8675

Outside

Dow n ing Nelson Oil Co

Sander Farms #1-10

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 72800

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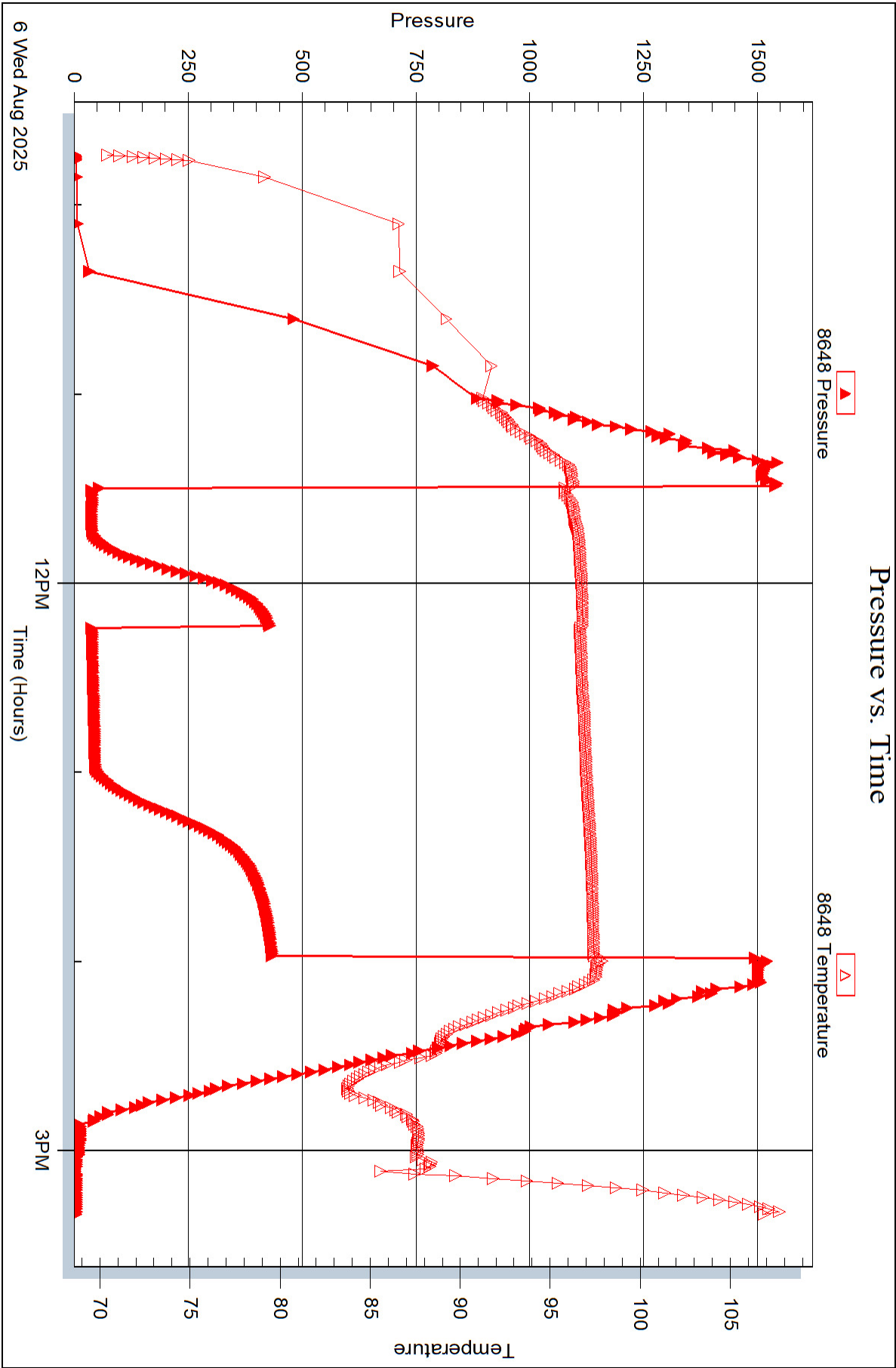
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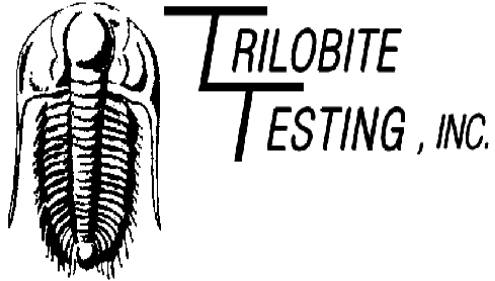
Inside

Dow n'ing Nelson Oil Co

Sander Farms #1-10

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Downing Nelson Oil Co**

PO. Box 1019
Hays, KS 67601

ATTN: Marc Downing

Sander Farms #1-10

10-14S-16W Ellis,KS

Start Date: 2025.08.07 @ 01:02:00

End Date: 2025.08.07 @ 05:24:30

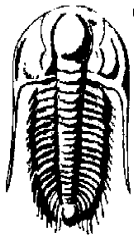
Job Ticket #: 72876 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2025.08.12 @ 10:56:49



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co

10-14S-16W Ellis,KS

P.O. Box 1019
Hays, KS 67601

Sander Farms #1-10

Job Ticket: 72876

DST#: 3

ATTN: Marc Dow ning

Test Start: 2025.08.07 @ 01:02:00

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:31:30

Time Test Ended: 05:24:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3288.00 ft (KB) To 3359.00 ft (KB) (TVD)

Reference Elevations: 1931.00 ft (KB)

Total Depth: 3359.00 ft (KB) (TVD)

1923.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8675 Outside

Press@RunDepth: 24.43 psig @ 3289.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2025.08.07

End Date:

2025.08.07

Last Calib.:

2025.08.07

Start Time: 01:02:05

End Time:

05:24:29

Time On Btm:

2025.08.07 @ 02:31:00

Time Off Btm:

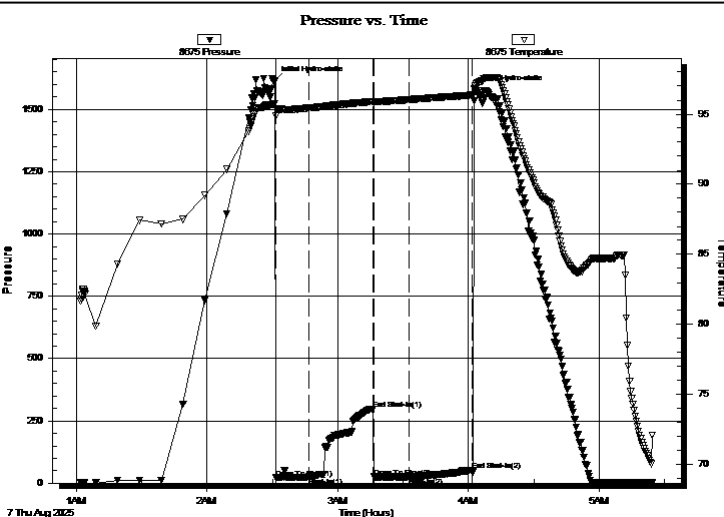
2025.08.07 @ 04:03:00

TEST COMMENT: IF-15- Built to .81", died to .50"

SI1-30- No return

FF-15- No blow

SI2-30- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1614.36	95.73	Initial Hydro-static
1	21.11	94.86	Open To Flow (1)
16	23.13	95.44	Shut-In(1)
45	297.53	95.90	End Shut-In(1)
46	24.82	95.86	Open To Flow (2)
62	24.43	96.03	Shut-In(2)
91	50.89	96.35	End Shut-In(2)
92	1579.91	97.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% (oil spots in tool)	0.02

Gas Rates

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

* Recovery from multiple tests



Dow ning Nelson Oil Co

ATTN: Marc Downing

10-14S-16W Ellis,KS

Sander Farms #1-10

Job Ticket: 72876

DST#: 3

Test Start: 2025.08.07 @ 01:02:00

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:31:30
Time Test Ended: 05:24:30

Test Type: Conventional Bottom Hole (Reset)
Tester: Dustin Day
Unit No: 70

Interval: 3288.00 ft (KB) To 3359.00 ft (KB) (TVD)
Total Depth: 3359.00 ft (KB) (TVD)
Hole Diameter: 7.88 inchesHole Condition:

Reference Elevations: 1931.00 ft (KB)
1923.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8648

Inside

Press@RunDepth: psig @ 3289.00 ft (KB)

Start Date: 2025.08.07 End Date: 2025.08.07

Start Time: 01:02:05 End Time: 05:24:29

Capacity: 8000.00 psig

Last Calib.: 2025.08.07

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-15- Built to .81", died to .50"

SI1-30- No return

FF-15- No blow

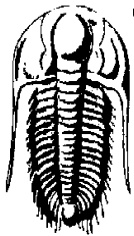
SI2-30- No return



Recovery

Gas Rates

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning Nelson Oil Co

10-14S-16W Ellis,KS

PO. Box 1019
Hays, KS 67601

Sander Farms #1-10

Job Ticket: 72876

DST#: 3

ATTN: Marc Dow ning

Test Start: 2025.08.07 @ 01:02:00

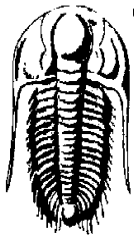
Tool Information

Drill Pipe:	Length:	3256.00 ft	Diameter:	3.80 inches	Volume:	45.67 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	2.75 inches	Volume:	- bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:	58000.00 lb
					Total Volume:	- bbl	Tool Chased	4.00 ft
Drill Pipe Above KB:		23.00 ft					String Weight: Initial	48000.00 lb
Depth to Top Packer:		3288.00 ft					Final	48000.00 lb
Depth to Bottom Packer:		ft						
Interval betw een Packers:		71.00 ft						
Tool Length:		96.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3268.00	
Hydraulic tool	5.00			3273.00	
EM Tool	3.00			3276.00	
Safety Joint	3.00			3279.00	
Packer	5.00			3284.00	25.00 Bottom Of Top Packer
Packer	4.00			3288.00	
Stubb	1.00			3289.00	
Recorder	0.00	8648	Inside	3289.00	
Recorder	0.00	8675	Outside	3289.00	
perforations	32.00			3321.00	
change Over Sub	1.00			3322.00	
drill Pipe	32.00			3354.00	
change Over Sub	1.00			3355.00	
Bullnose	4.00			3359.00	71.00 Bottom Packers & Anchor

Total Tool Length: 96.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning Nelson Oil Co

10-14S-16W Ellis,KS

P.O. Box 1019
Hays, KS 67601

Sander Farms #1-10

Job Ticket: 72876

DST#: 3

ATTN: Marc Dow ning

Test Start: 2025.08.07 @ 01:02:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 4800.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100% (oil spots in tool)	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

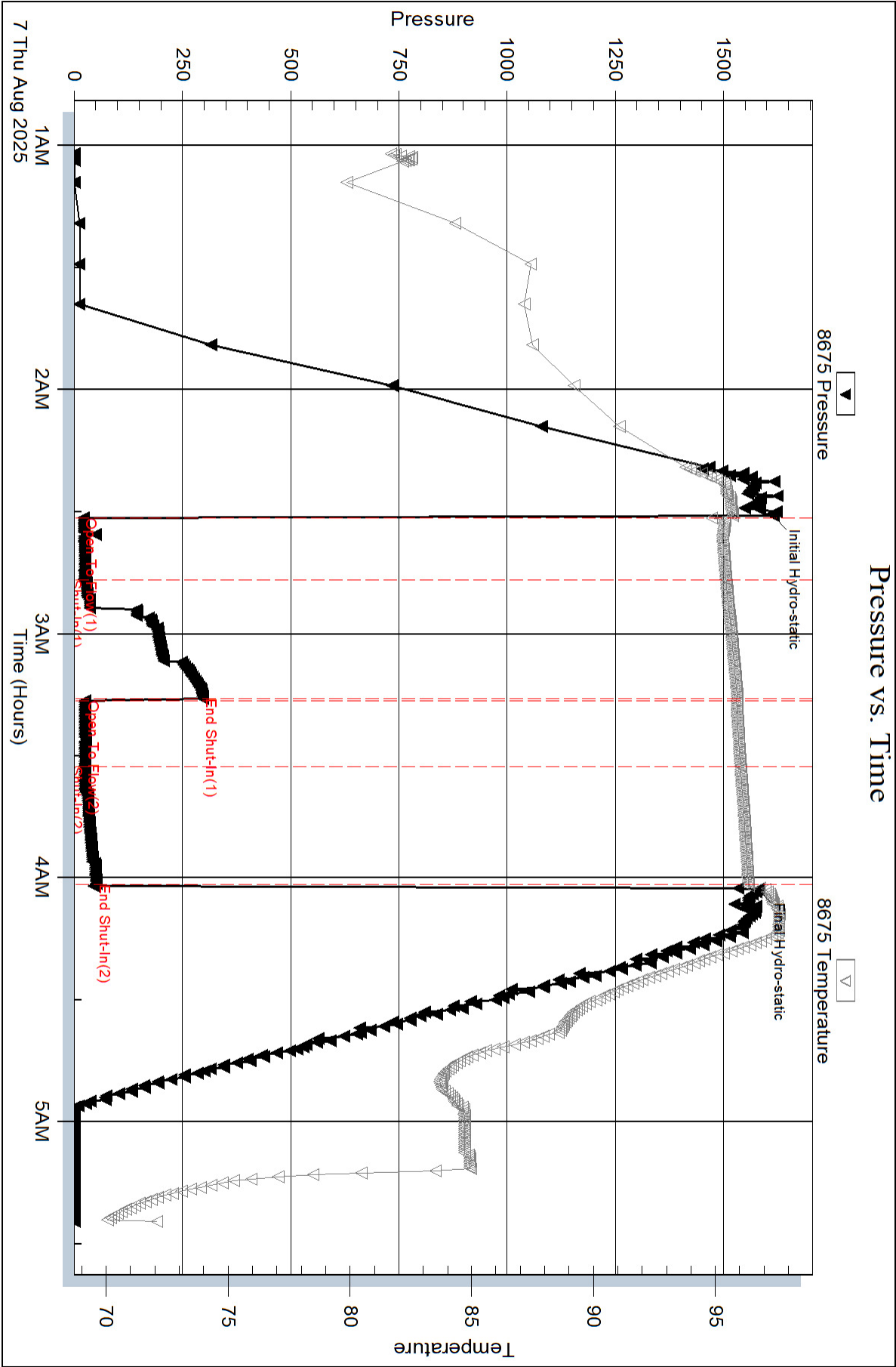
Recovery Comments: 2# LCM

Serial #: 8675

Outside Dow n ing Nelson Oil Co

Sander Farms #1-10

DST Test Number: 3



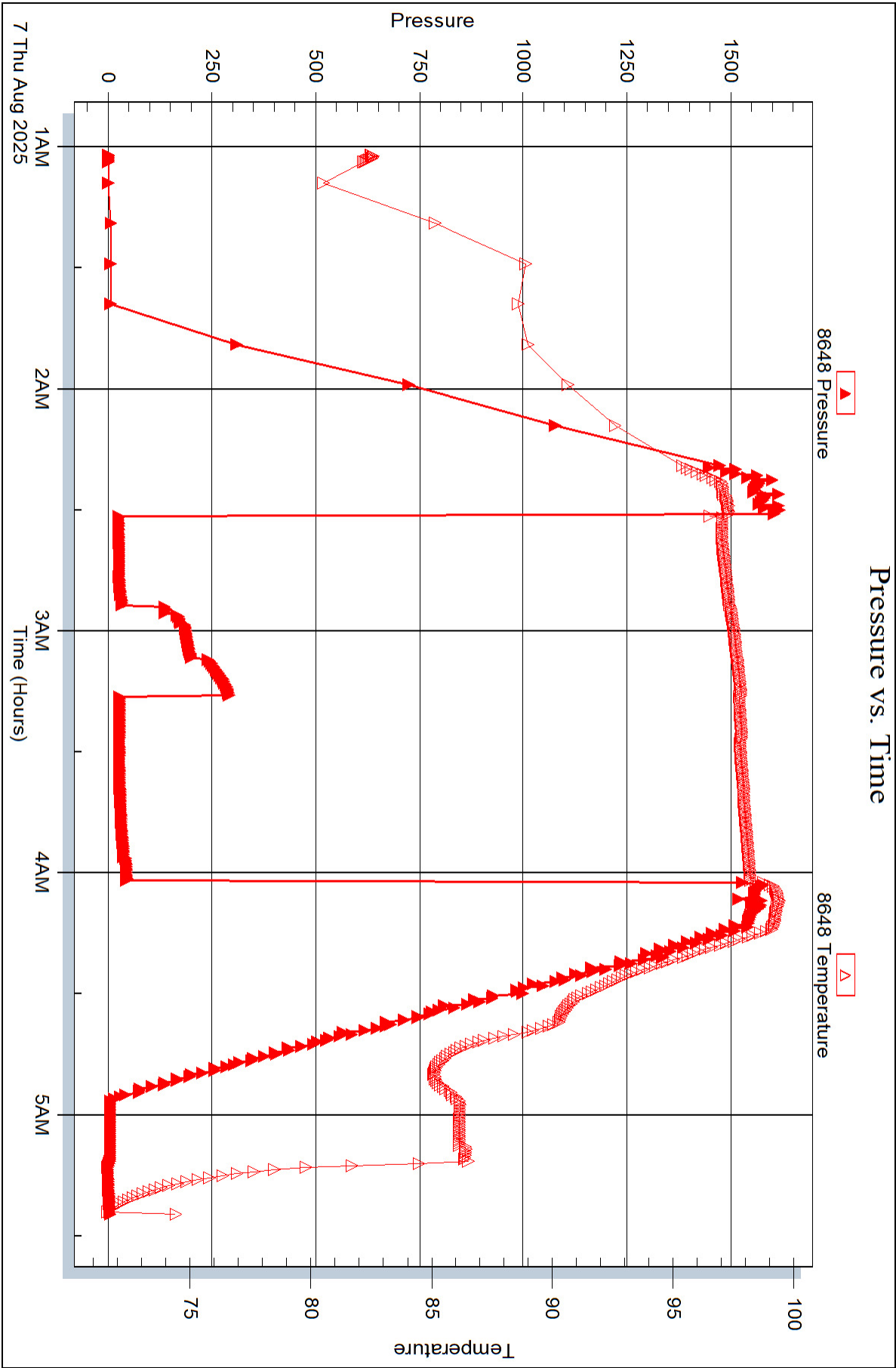
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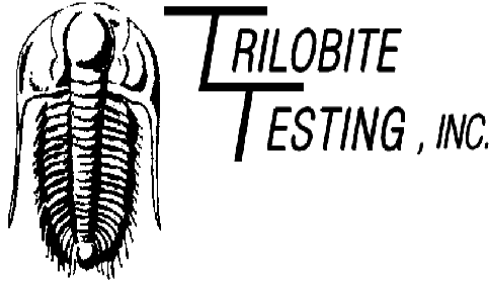
Inside

Dow n ing Nelson Oil Co

Sander Farms #1-10

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Downing Nelson Oil Co**

PO. Box 1019
Hays, KS 67601

ATTN: Marc Downing

Sander Farms #1-10

10-14S-16W Ellis,KS

Start Date: 2025.08.07 @ 13:34:00

End Date: 2025.08.07 @ 17:39:15

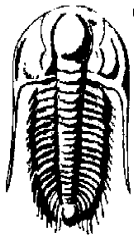
Job Ticket #: 72877 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2025.08.12 @ 10:56:15



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co

10-14S-16W Ellis,KS

P.O. Box 1019
Hays, KS 67601

Sander Farms #1-10

Job Ticket: 72877

DST#: 4

ATTN: Marc Dow ning

Test Start: 2025.08.07 @ 13:34:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:57:15

Time Test Ended: 17:39:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3394.00 ft (KB) To 3430.00 ft (KB) (TVD)

Reference Elevations: 1931.00 ft (KB)

Total Depth: 3430.00 ft (KB) (TVD)

1923.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8675 Outside

Press@RunDepth: 22.34 psig @ 3395.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2025.08.07

End Date:

2025.08.07

Last Calib.: 2025.08.07

Start Time: 13:34:05

End Time:

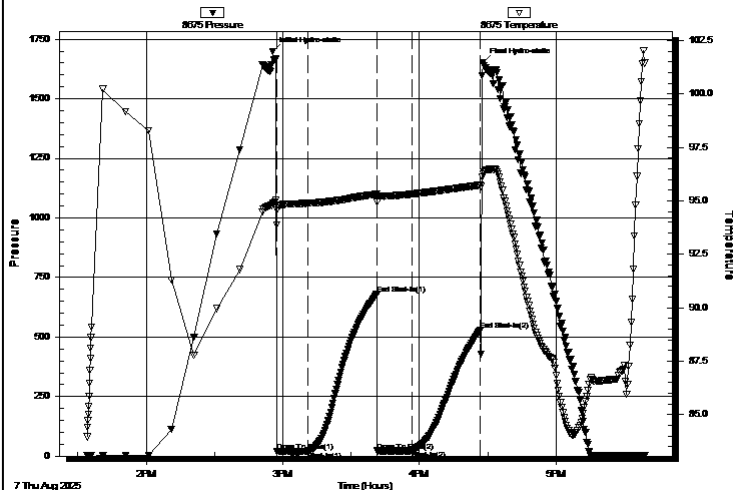
17:39:15

Time On Btm: 2025.08.07 @ 14:55:30

Time Off Btm: 2025.08.07 @ 16:28:00

TEST COMMENT: IF-15- WSB
SI1-30- No return
FF-15- WSB
SI2-30- No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1698.76	94.88	Initial Hydro-static
2	18.37	93.89	Open To Flow (1)
16	19.03	94.89	Shut-In(1)
46	678.97	95.31	End Shut-In(1)
46	21.78	94.95	Open To Flow (2)
61	22.34	95.32	Shut-In(2)
92	528.14	95.74	End Shut-In(2)
93	1651.80	96.27	Final Hydro-static

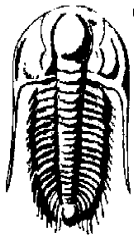
Recovery

Length (ft)	Description	Volume (bbl)
5.00	GOCM 5% gas 40% oil 55% mud	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co

10-14S-16W Ellis,KS

P.O. Box 1019
Hays, KS 67601

Sander Farms #1-10

Job Ticket: 72877

DST#: 4

ATTN: Marc Dow ning

Test Start: 2025.08.07 @ 13:34:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:57:15

Time Test Ended: 17:39:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3394.00 ft (KB) To 3430.00 ft (KB) (TVD)

Reference Elevations: 1931.00 ft (KB)

Total Depth: 3430.00 ft (KB) (TVD)

1923.00 ft (CF)

Hole Diameter: 7.88 inchesHole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8648 Inside

Press@RunDepth: psig @ 3395.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2025.08.07

End Date: 2025.08.07

Last Calib.: 2025.08.07

Start Time: 13:34:05

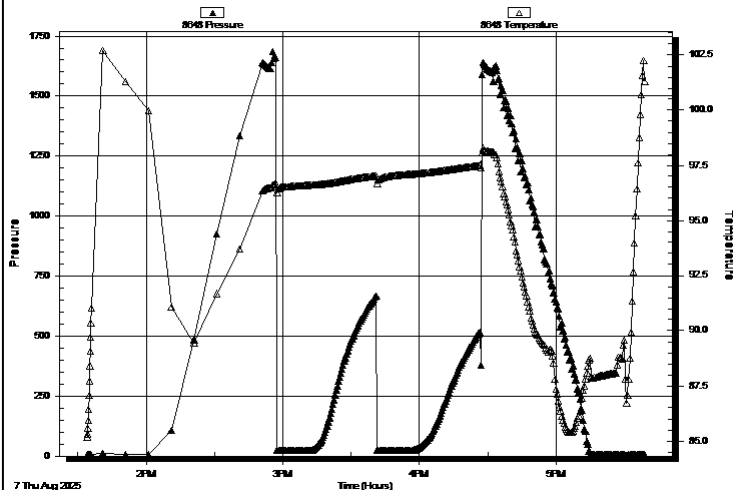
End Time: 17:39:15

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-15- WSB
SI1-30- No return
FF-15- WSB
SI2-30- No return

Pressure vs. Time



PRESSURE SUMMARY

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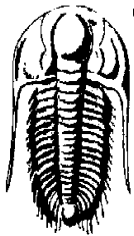
Recovery

Length (ft)	Description	Volume (bbl)
5.00	GOCM 5% gas 40% oil 55% mud	0.02

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

10-14S-16W Ellis,KS

PO. Box 1019
Hays, KS 67601

Sander Farms #1-10

Job Ticket: 72877

DST#: 4

ATTN: Marc Dow ning

Test Start: 2025.08.07 @ 13:34:00

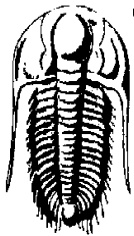
Tool Information

Drill Pipe:	Length:	3351.00 ft	Diameter:	3.80 inches	Volume:	47.01 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	2.75 inches	Volume:	- bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:	50000.00 lb
					Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:		12.00 ft					String Weight: Initial	48000.00 lb
Depth to Top Packer:		3394.00 ft					Final	48000.00 lb
Depth to Bottom Packer:		ft						
Interval betw een Packers:		36.00 ft						
Tool Length:		61.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3374.00	
Hydraulic tool	5.00			3379.00	
EM Tool	3.00			3382.00	
Safety Joint	3.00			3385.00	
Packer	5.00			3390.00	25.00 Bottom Of Top Packer
Packer	4.00			3394.00	
Stubb	1.00			3395.00	
Recorder	0.00	8648	Inside	3395.00	
Recorder	0.00	8675	Outside	3395.00	
perforations	31.00			3426.00	
Bullnose	4.00			3430.00	36.00 Bottom Packers & Anchor

Total Tool Length: 61.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning Nelson Oil Co

10-14S-16W Ellis,KS

P.O. Box 1019
Hays, KS 67601

Sander Farms #1-10

Job Ticket: 72877

DST#: 4

ATTN: Marc Dow ning

Test Start: 2025.08.07 @ 13:34:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	GOCM 5% gas 40% oil 55% mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1 3/4# LCM

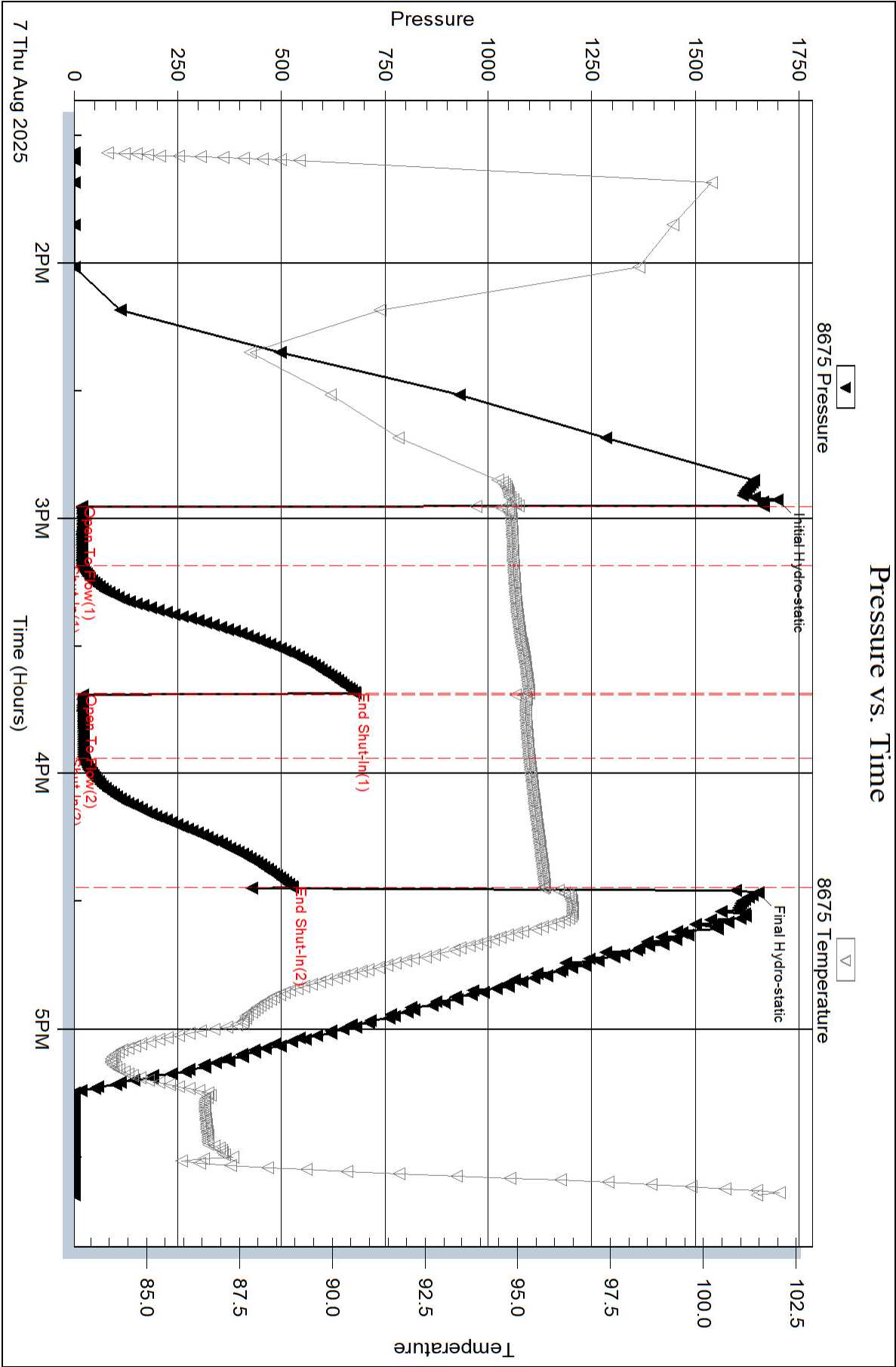
Serial #: 8675

Outside

Dow n ing Nelson Oil Co

Sander Farms #1-10

DST Test Number: 4



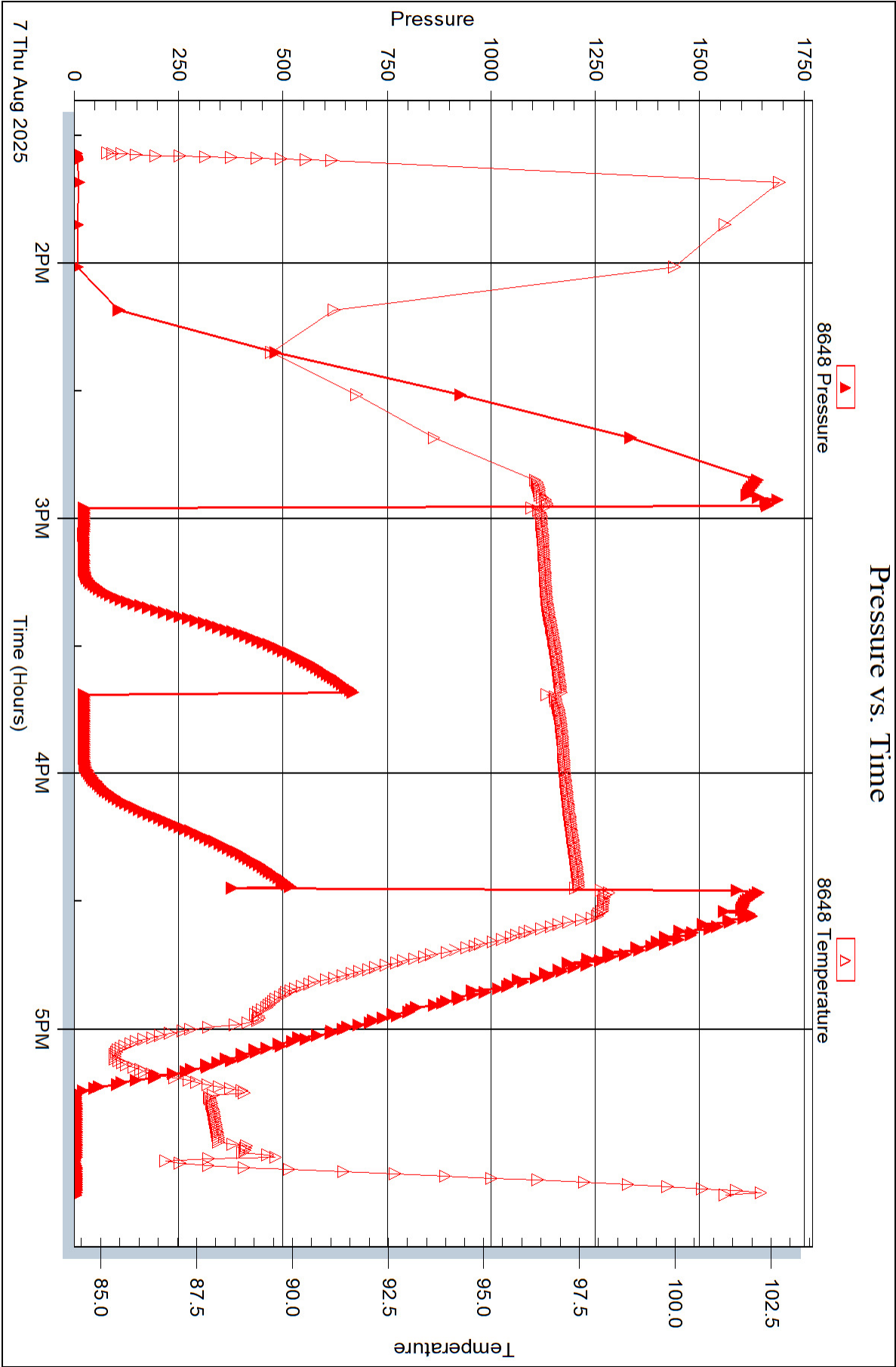
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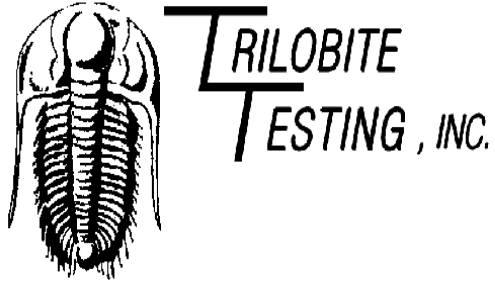
Inside

Dow n ing Nelson Oil Co

Sander Farms #1-10

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Downing Nelson Oil Co**

PO. Box 1019
Hays, KS 67601

ATTN: Marc Downing

Sander Farms #1-10

10-14S-16W Ellis,KS

Start Date: 2025.08.08 @ 06:32:00

End Date: 2025.08.08 @ 11:49:45

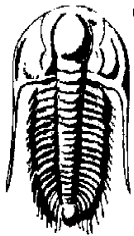
Job Ticket #: 72878 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2025.08.12 @ 10:55:02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co

10-14S-16W Ellis,KS

P.O. Box 1019
Hays, KS 67601

Sander Farms #1-10

ATTN: Marc Dow ning

Job Ticket: 72878

DST#: 5

Test Start: 2025.08.08 @ 06:32:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:34:15

Time Test Ended: 11:49:45

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3430.00 ft (KB) To 3443.00 ft (KB) (TVD)

Reference Elevations: 1931.00 ft (KB)

Total Depth: 3516.00 ft (KB) (TVD)

1923.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8675

Inside

Press@RunDepth: 36.30 psig @ 3431.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2025.08.08

End Date:

2025.08.08

Last Calib.: 2025.08.08

Start Time: 06:32:05

End Time:

11:49:44

Time On Btm: 2025.08.08 @ 08:31:45

Time Off Btm: 2025.08.08 @ 10:20:00

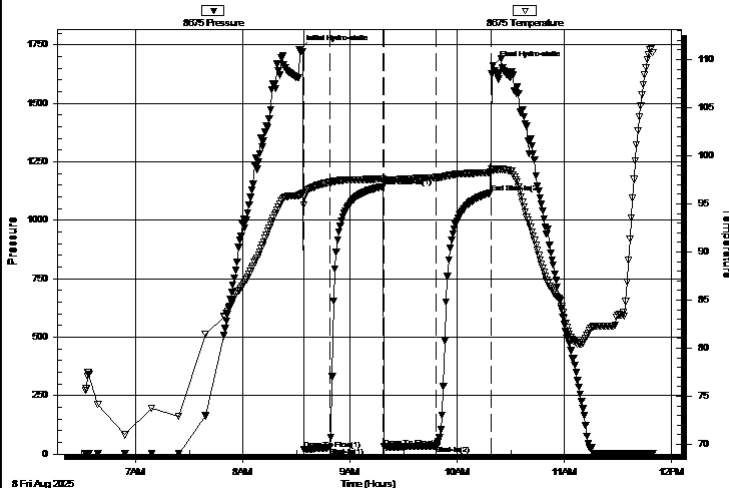
TEST COMMENT: IF-15- Built to 1.84"

SI-30- No return

FF-30- Built to 1"

SI2-30- No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1731.45	95.91	Initial Hydro-static
3	18.39	94.92	Open To Flow (1)
17	28.47	97.23	Shut-In(1)
47	1144.45	97.61	End Shut-In(1)
48	31.06	97.29	Open To Flow (2)
77	36.30	97.75	Shut-In(2)
107	1117.65	98.27	End Shut-In(2)
109	1661.99	98.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	GHCOM 5% gas 45% oil 50% mud	0.36

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



Dow ning Nelson Oil Co

ATTN: Marc Downing

10-14S-16W Ellis.KS

Sander Farms #1-10

Job Ticket: 72878

DST#: 5

Test Start: 2025.08.08 @ 06:32:00

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:34:15
Time Test Ended: 11:49:45

Test Type: Conventional Straddle (Reset)
Tester: Dustin Day
Unit No: 70

Interval: 3430.00 ft (KB) To 3443.00 ft (KB) (TVD)

Reference Elevations: 1931.00 ft (KB)

Total Depth: 3516.00 ft (KB) (TVD)

1923.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8648 **Outside**

Press@RunDepth: psig @ 3431.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2025.08.08 End Date: 2025.08.08

Last Calib.: 2025.08.08

Start Time: 06:32:05 End Time: 11:49:44

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-15- Built to 1.84"

SI-30- No return

FF-30- Built to 1"

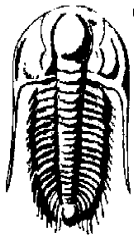
SI2-30- No return



Recovery

Gas Rates

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co

10-14S-16W Ellis,KS

P.O. Box 1019
Hays, KS 67601

Sander Farms #1-10

Job Ticket: 72878

DST#: 5

ATTN: Marc Dow ning

Test Start: 2025.08.08 @ 06:32:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:34:15

Time Test Ended: 11:49:45

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3430.00 ft (KB) To 3443.00 ft (KB) (TVD)

Reference Elevations: 1931.00 ft (KB)

Total Depth: 3516.00 ft (KB) (TVD)

1923.00 ft (CF)

Hole Diameter: 7.88 inchesHole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8525 Below (Straddle)

Press@RunDepth: psig @ 3448.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2025.08.08

End Date:

2025.08.08

Last Calib.:

2025.08.08

Start Time: 06:32:05

End Time:

11:49:44

Time On Btm:

Time Off Btm:

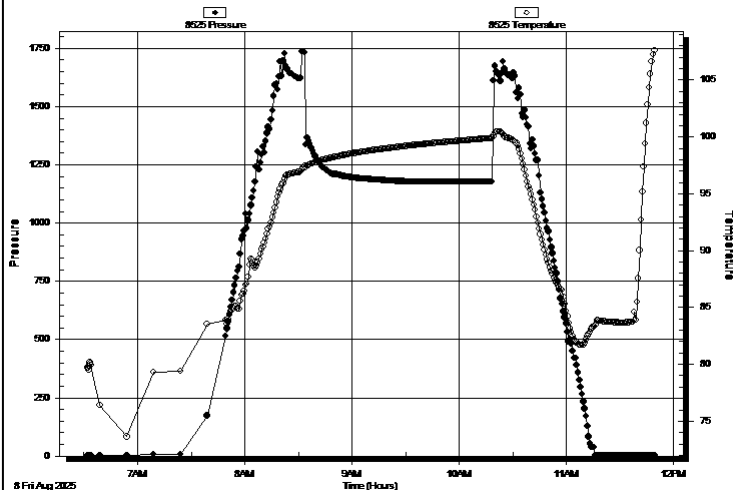
TEST COMMENT: IF-15- Built to 1.84"

SI-30- No return

FF-30- Built to 1"

SI2-30- No return

Pressure vs. Time



PRESSURE SUMMARY

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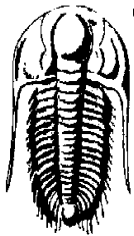
Recovery

Length (ft)	Description	Volume (bbl)
45.00	GHCOM 5% gas 45% oil 50% mud	0.36

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

10-14S-16W Ellis,KS

P.O. Box 1019
Hays, KS 67601

Sander Farms #1-10

Job Ticket: 72878

DST#: 5

ATTN: Marc Dow ning

Test Start: 2025.08.08 @ 06:32:00

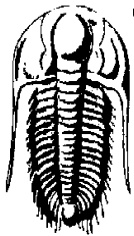
Tool Information

Drill Pipe:	Length: 3392.00 ft	Diameter: 3.80 inches	Volume: 47.58 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	49000.00 lb
Depth to Top Packer:	3430.00 ft			Final	49000.00 lb
Depth to Bottom Packer:	3516.00 ft				
Interval betw een Packers:	86.00 ft				
Tool Length:	111.00 ft				
Number of Packers:	3	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3410.00	
Hydraulic tool	5.00			3415.00	
EM Tool	3.00			3418.00	
Safety Joint	3.00			3421.00	
Packer	5.00			3426.00	25.00 Bottom Of Top Packer
Packer	4.00			3430.00	
Stubb	1.00			3431.00	
Recorder	0.00	8675	Inside	3431.00	
Recorder	0.00	8648	Outside	3431.00	
Perforations	8.00			3439.00	
Blank Off Sub	1.00			3440.00	
Packer - Shale	3.00			3443.00	
packer	1.00			3444.00	
Stubb	1.00			3445.00	
Perforations	2.00			3447.00	
Change Over Sub	1.00			3448.00	
Recorder	0.00	8525	Below	3448.00	
Drill Pipe	63.00			3511.00	
Change Over Sub	1.00			3512.00	
Bullnose	4.00			3516.00	86.00 Bottom Packers & Anchor

Total Tool Length: 111.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning Nelson Oil Co

10-14S-16W Ellis,KS

P.O. Box 1019
Hays, KS 67601

Sander Farms #1-10

Job Ticket: 72878

DST#: 5

ATTN: Marc Dow ning

Test Start: 2025.08.08 @ 06:32:00

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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	GHCOM 5% gas 45% oil 50% mud	0.358

Total Length: 45.00 ft

Total Volume: 0.358 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1 3/4# LCM

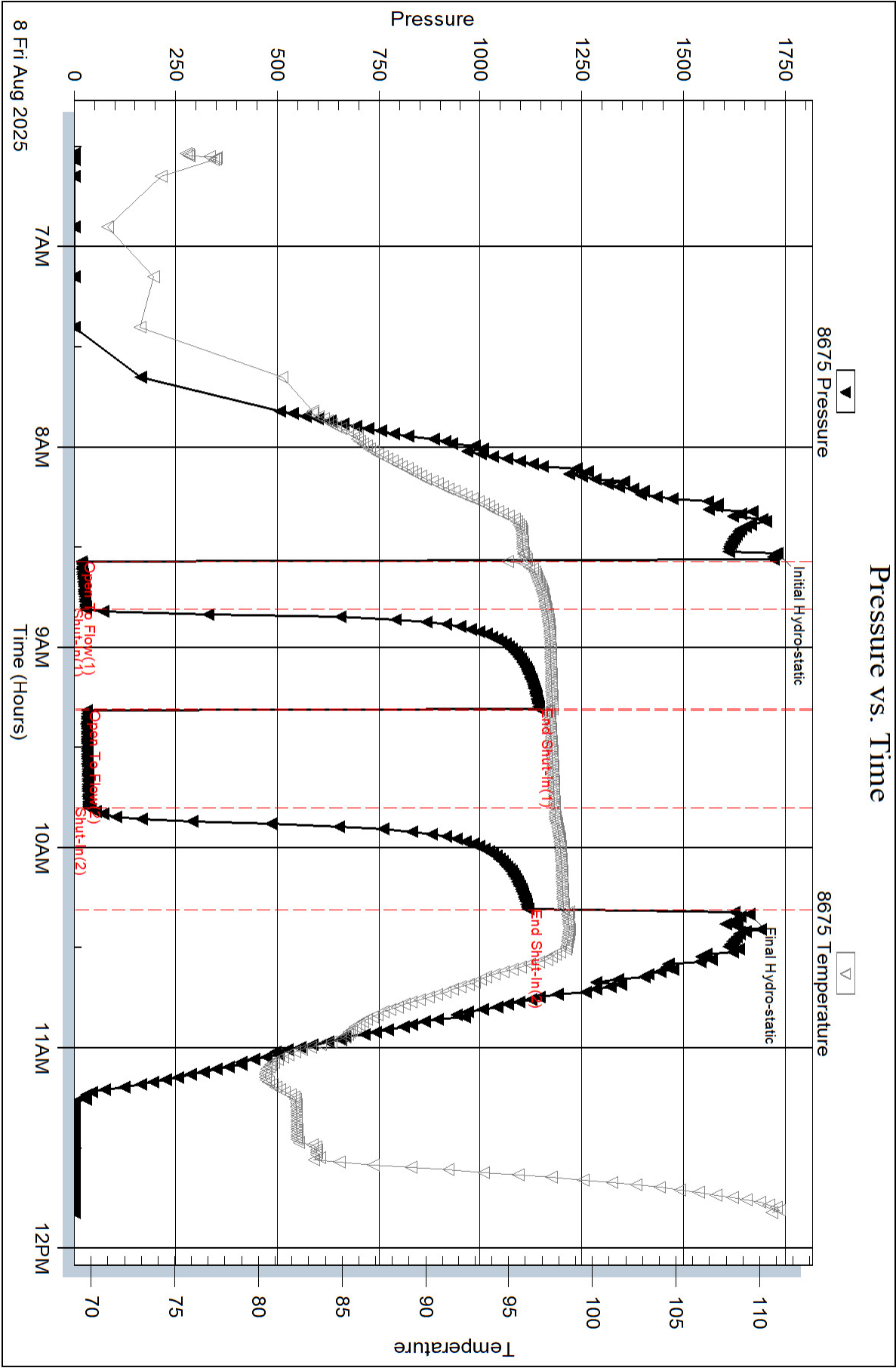
Serial #: 8675

Inside

Dow n ing Nelson Oil Co

Sander Farms #1-10

DST Test Number: 5



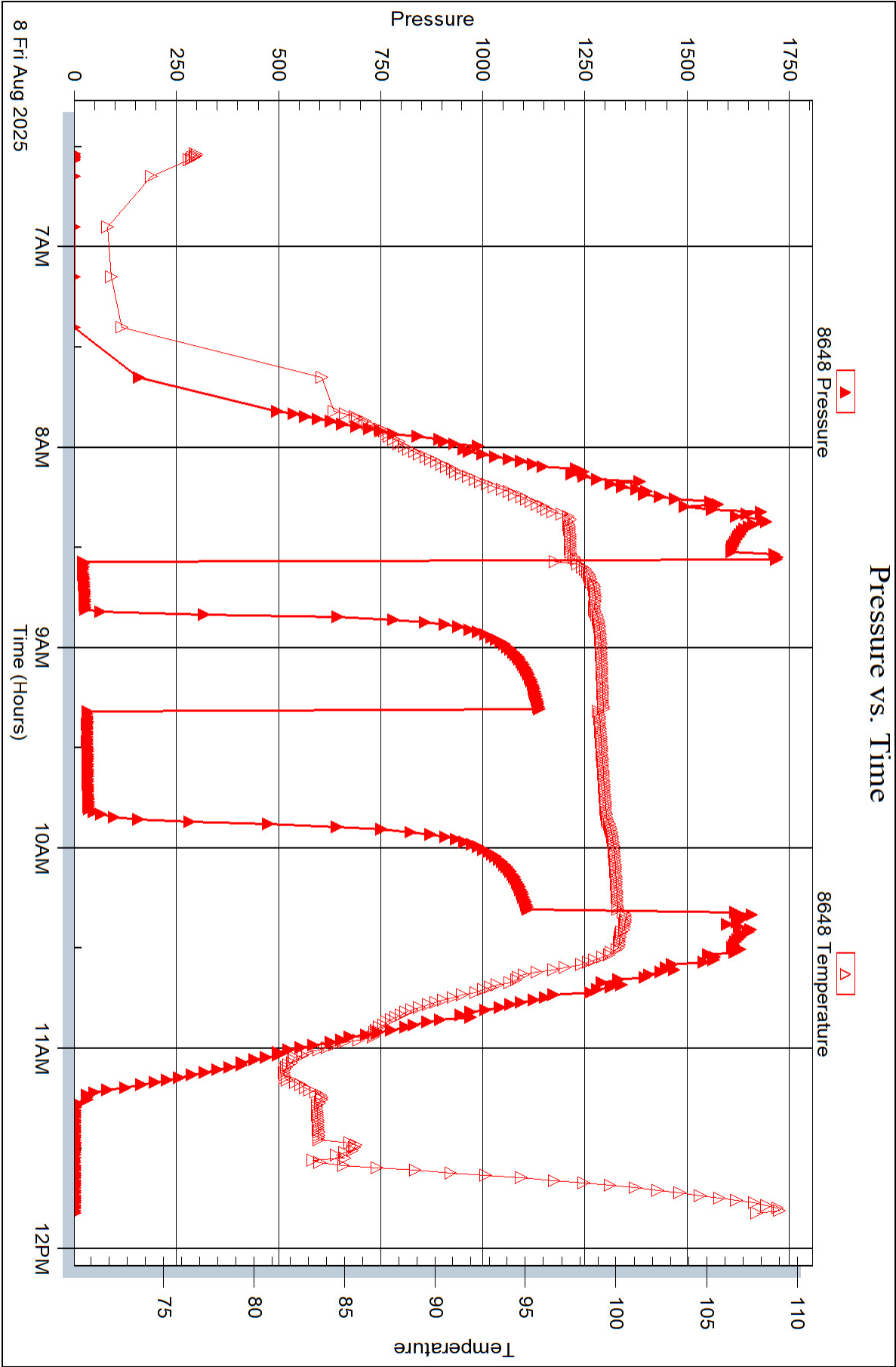
Serial #: 8648

Outside

Dow n ing Nelson Oil Co

Sander Farms #1-10

DST Test Number: 5

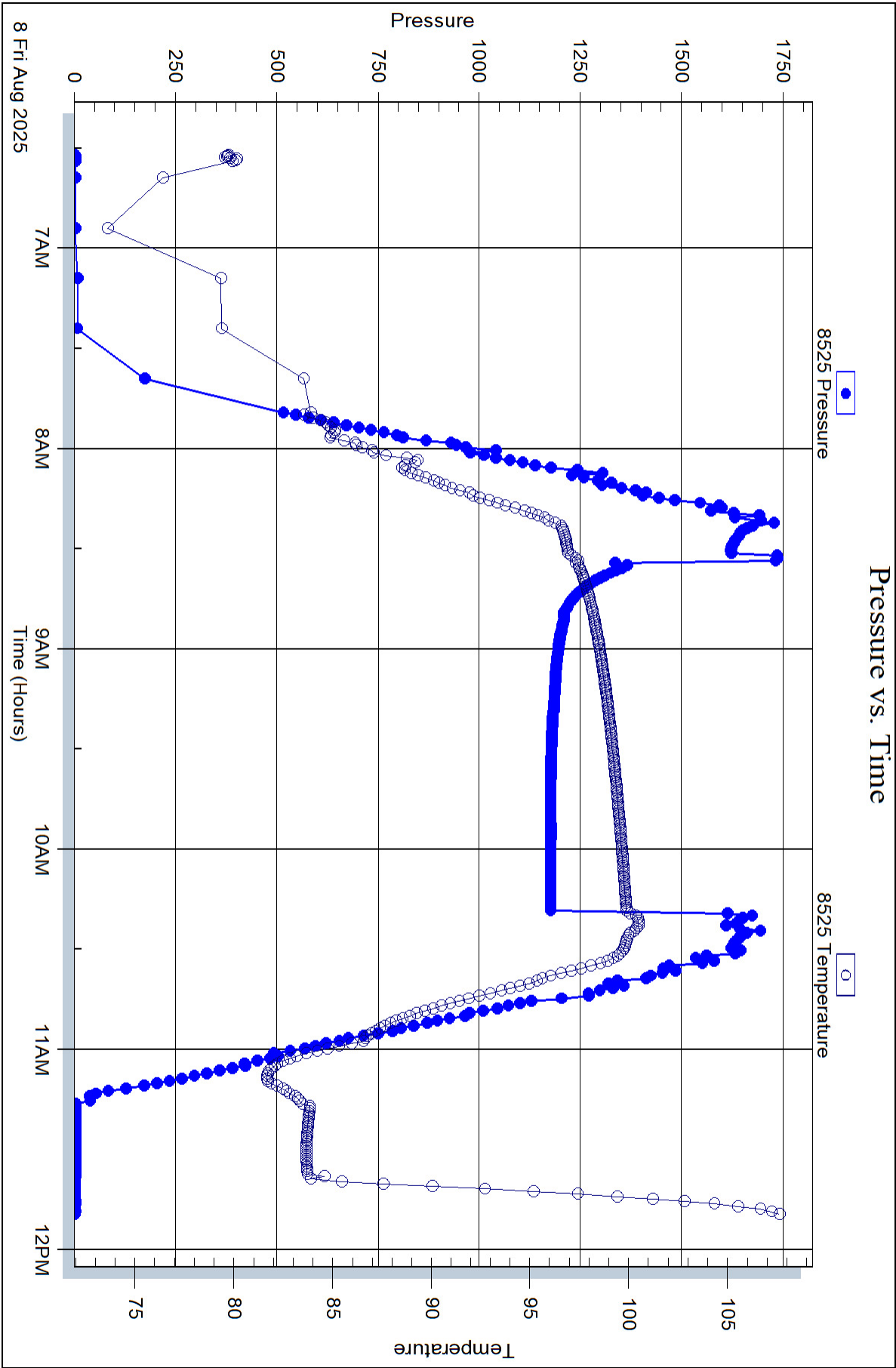


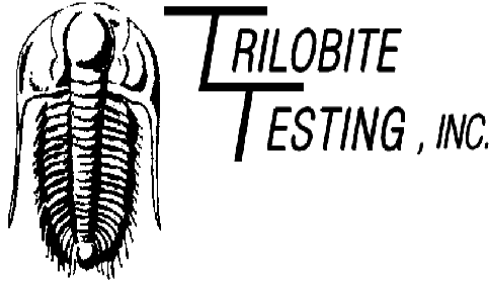
Serial #: 8525

Below (Stratton) Nelson Oil Co

Sander Farms #1-10

DST Test Number: 5





DRILL STEM TEST REPORT

Prepared For: **Downing Nelson Oil Co**

PO. Box 1019
Hays, KS 67601

ATTN: Marc Downing

Sander Farms #1-10

10-14S-16W Ellis,KS

Start Date: 2025.08.08 @ 12:34:00

End Date: 2025.08.08 @ 17:57:00

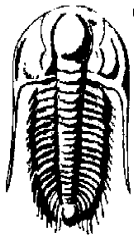
Job Ticket #: 72879 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2025.08.12 @ 10:49:12



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co

10-14S-16W Ellis,KS

P.O. Box 1019
Hays, KS 67601

Sander Farms #1-10

ATTN: Marc Dow ning

Job Ticket: 72879

DST#: 6

Test Start: 2025.08.08 @ 12:34:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:08:15

Time Test Ended: 17:57:00

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3443.00 ft (KB) To 3454.00 ft (KB) (TVD)

Reference Elevations: 1931.00 ft (KB)

Total Depth: 3516.00 ft (KB) (TVD)

1923.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8675

Inside

Press@RunDepth: 258.25 psig @ 3444.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2025.08.08

End Date:

2025.08.08

Last Calib.:

2025.08.08

Start Time: 12:34:05

End Time:

17:56:59

Time On Btm:

2025.08.08 @ 14:07:00

Time Off Btm:

2025.08.08 @ 16:07:45

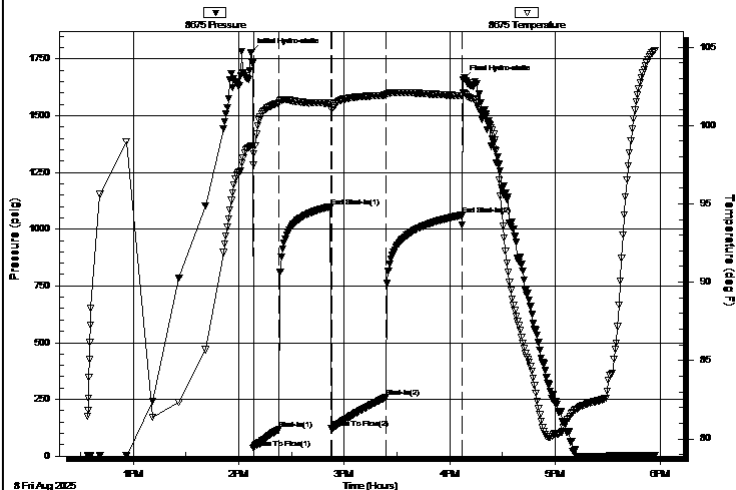
TEST COMMENT: IF-15- BOB in 7.5 min, built to 22.85"

SI1-30- No return

FF-30- BOB in 9 min, built to 38.14"

SI2-45- No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1776.26	98.72	Initial Hydro-static
2	34.01	97.49	Open To Flow (1)
16	117.77	101.41	Shut-In(1)
46	1098.20	101.40	End Shut-In(1)
46	120.76	101.02	Open To Flow (2)
77	258.25	101.92	Shut-In(2)
120	1060.82	101.90	End Shut-In(2)
121	1658.92	102.11	Final Hydro-static

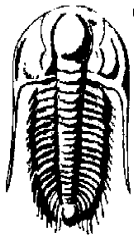
Recovery

Length (ft)	Description	Volume (bbl)
544.00	WATER 100% (oil scum on top)	7.36

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co

10-14S-16W Ellis,KS

P.O. Box 1019
Hays, KS 67601

Sander Farms #1-10

Job Ticket: 72879

DST#: 6

ATTN: Marc Dow ning

Test Start: 2025.08.08 @ 12:34:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:08:15

Time Test Ended: 17:57:00

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3443.00 ft (KB) To 3454.00 ft (KB) (TVD)

Reference Elevations: 1931.00 ft (KB)

Total Depth: 3516.00 ft (KB) (TVD)

1923.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8648 Outside

Press@RunDepth: psig @ 3444.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2025.08.08

End Date:

2025.08.08

Last Calib.:

2025.08.08

Start Time: 12:34:05

End Time:

17:56:59

Time On Btm:

Time Off Btm:

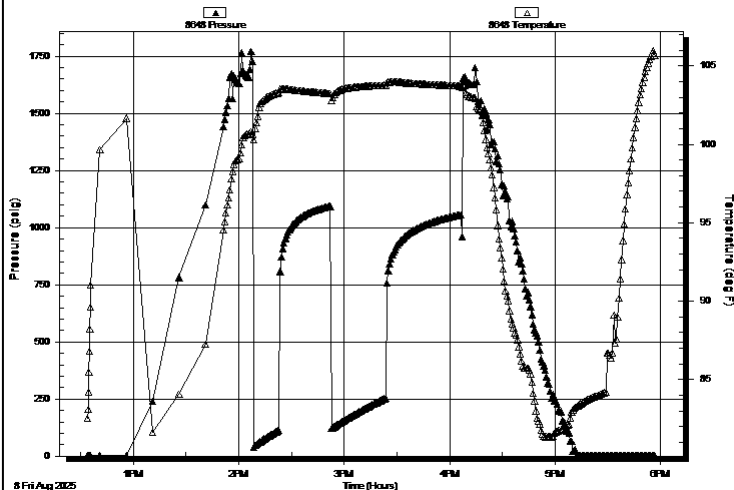
TEST COMMENT: IF-15- BOB in 7.5 min, built to 22.85"

SI1-30- No return

FF-30- BOB in 9 min, built to 38.14"

SI2-45- No return

Pressure vs. Time



PRESSURE SUMMARY

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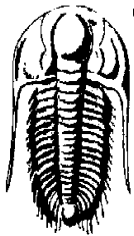
Recovery

Length (ft)	Description	Volume (bbl)
544.00	WATER 100% (oil scum on top)	7.36

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

10-14S-16W Ellis,KS

P.O. Box 1019
Hays, KS 67601

Sander Farms #1-10

ATTN: Marc Dow ning

Job Ticket: 72879

DST#: 6

Test Start: 2025.08.08 @ 12:34:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:08:15

Time Test Ended: 17:57:00

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3443.00 ft (KB) To 3454.00 ft (KB) (TVD)

Reference Elevations: 1931.00 ft (KB)

Total Depth: 3516.00 ft (KB) (TVD)

1923.00 ft (CF)

Hole Diameter: 7.88 inchesHole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8525 Below (Straddle)

Press@RunDepth: psig @ 3478.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2025.08.08

End Date:

2025.08.08

Last Calib.:

2025.08.08

Start Time: 12:34:05

End Time:

17:56:59

Time On Btm:

Time Off Btm:

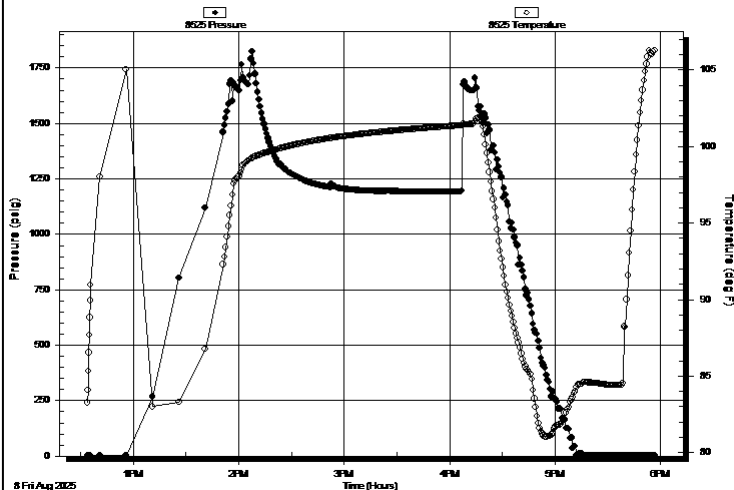
TEST COMMENT: IF-15- BOB in 7.5 min, built to 22.85"

SI1-30- No return

FF-30- BOB in 9 min, built to 38.14"

SI2-45- No return

Pressure vs. Time



PRESSURE SUMMARY

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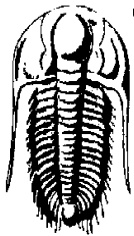
Recovery

Length (ft)	Description	Volume (bbl)
544.00	WATER 100% (oil scum on top)	7.36

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

10-14S-16W Ellis,KS

P.O. Box 1019
Hays, KS 67601

Sander Farms #1-10

Job Ticket: 72879

DST#: 6

ATTN: Marc Dow ning

Test Start: 2025.08.08 @ 12:34:00

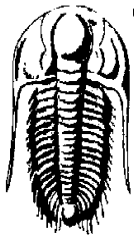
Tool Information

Drill Pipe:	Length: 3416.00 ft	Diameter: 3.80 inches	Volume: 47.92 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	49000.00 lb
Depth to Top Packer:	3443.00 ft			Final	54000.00 lb
Depth to Bottom Packer:	3514.00 ft				
Interval betw een Packers:	71.00 ft				
Tool Length:	96.00 ft				
Number of Packers:	3	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3423.00	
Hydraulic tool	5.00			3428.00	
EM Tool	3.00			3431.00	
Safety Joint	3.00			3434.00	
Packer	5.00			3439.00	25.00 Bottom Of Top Packer
Packer	4.00			3443.00	
Stubb	1.00			3444.00	
Recorder	0.00	8675	Inside	3444.00	
Recorder	0.00	8648	Outside	3444.00	
Perforations	6.00			3450.00	
Blank Off Sub	1.00			3451.00	
Packer - Shale	3.00			3454.00	
packer	1.00			3455.00	
Stubb	1.00			3456.00	
Perforations	21.00			3477.00	
Change Over Sub	1.00			3478.00	
Recorder	0.00	8525	Below	3478.00	
Drill Pipe	31.00			3509.00	
Change Over Sub	1.00			3510.00	
Bullnose	4.00			3514.00	71.00 Bottom Packers & Anchor

Total Tool Length: 96.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning Nelson Oil Co

10-14S-16W Ellis,KS

P.O. Box 1019
Hays, KS 67601

Sander Farms #1-10

Job Ticket: 72879

DST#: 6

ATTN: Marc Dow ning

Test Start: 2025.08.08 @ 12:34:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: 7100 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
544.00	WATER 100% (oil scum on top)	7.358

Total Length: 544.00 ft

Total Volume: 7.358 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1 3/4# LCM

Serial #: 8675

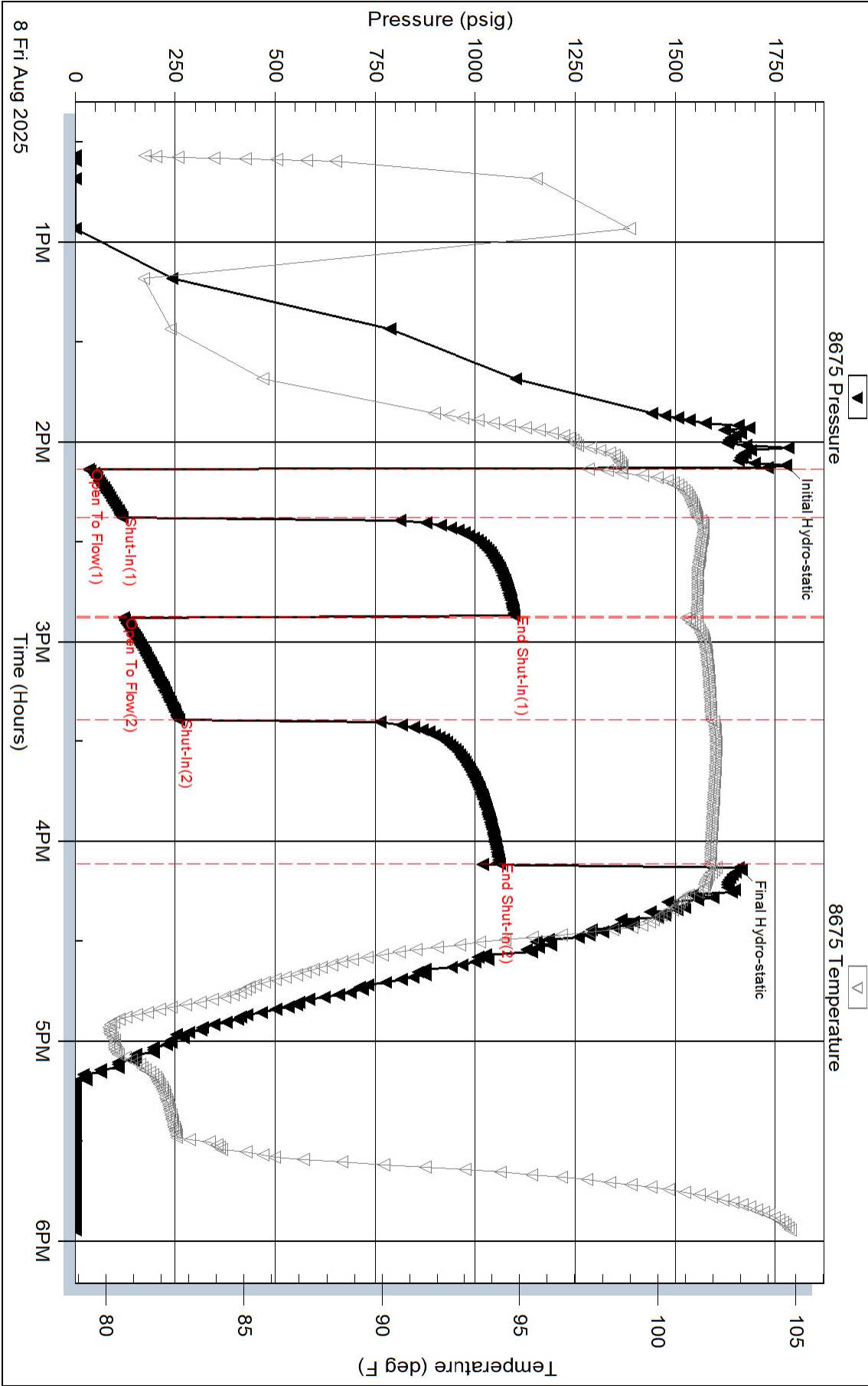
Inside

Dow n ing Nelson Oil Co

Sander Farms #1-10

DST Test Number: 6

Pressure vs. Time



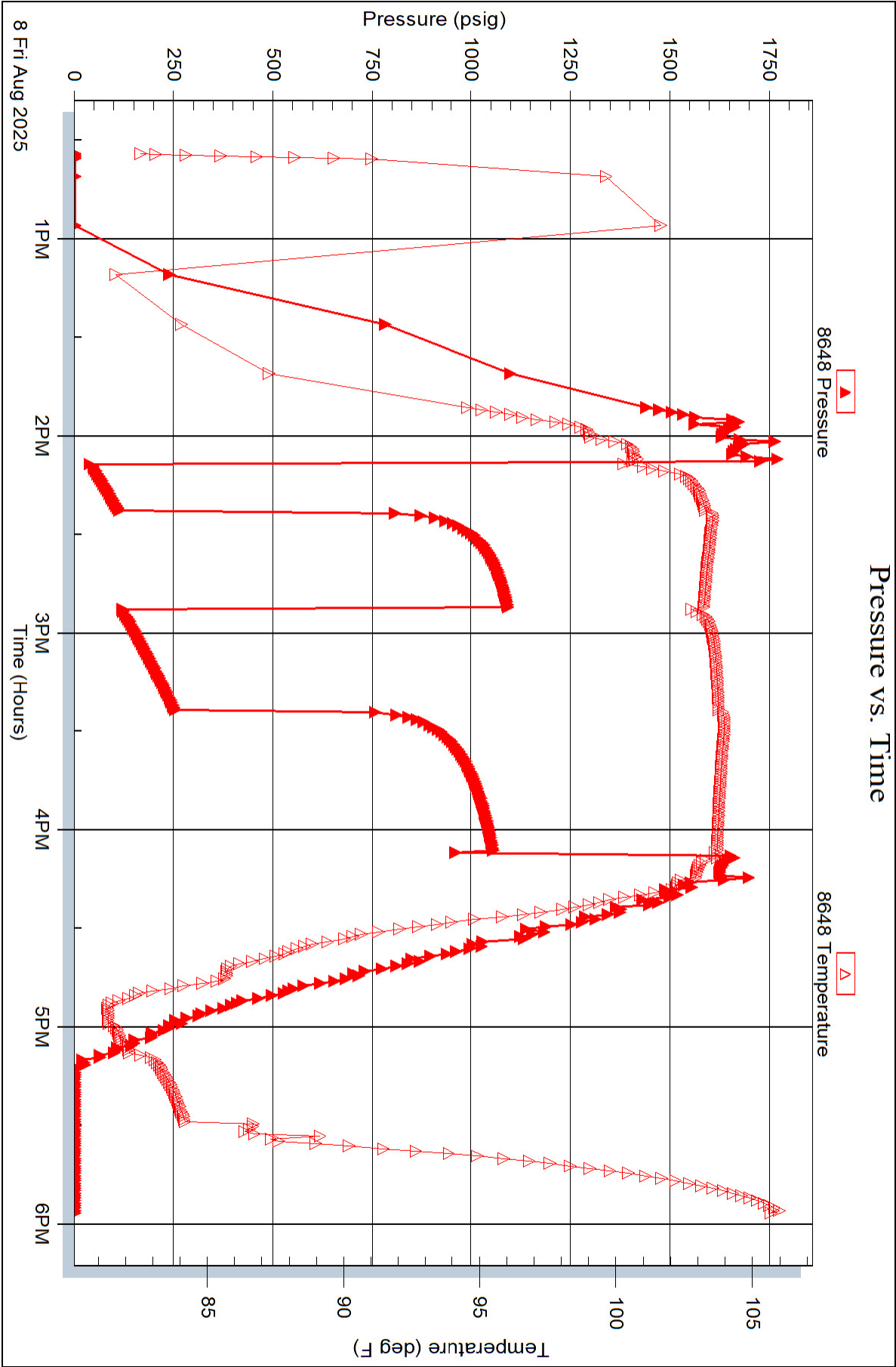
Serial #: 8648

Outside

Dow n ing Nelson Oil Co

Sander Farms #1-10

DST Test Number: 6

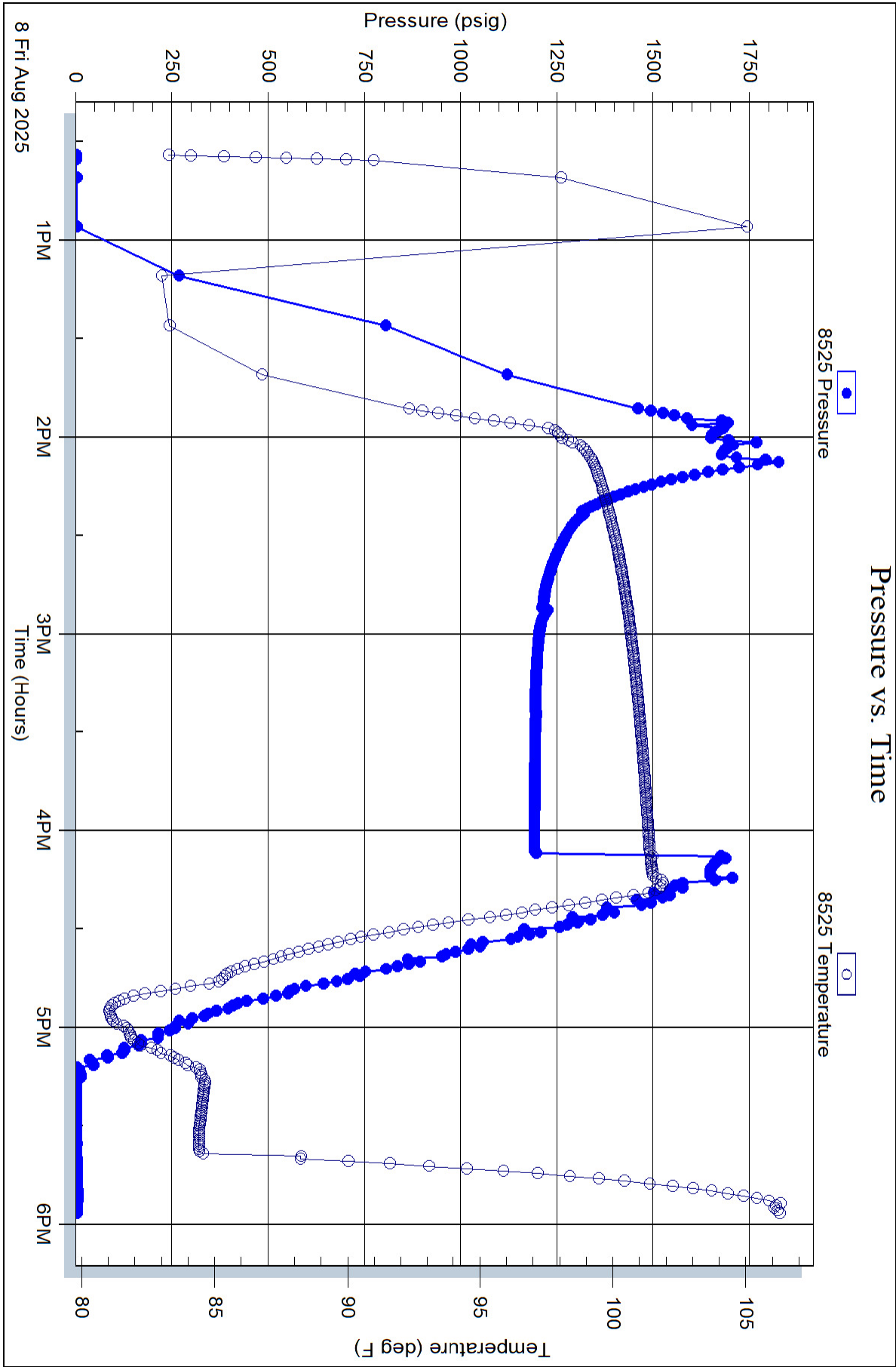


Serial #: 8525

Below (Stratton) Nelson Oil Co

Sander Farms #1-10

DST Test Number: 6





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **72799**

Well Name & No. Sander Farms #1-10 Test No. 1 Date 8/5/25
 Company DNOCT Elevation 1931 KB 1923 GL
 Address PO Box 1019 Hays, KS 67601
 Co. Rep / Geo Marc Downing Rig Discovery Rig # 4
 Location: Sec. 16 Twp 14S Rge. 16W Co. Ellis State KS

Interval Tested 3112-3178 Zone Tested Toronto - LKCA
 Anchor Length 660 Drill Pipe Run 3067 Mud Wt. 8.7
 Top Packer Depth 3167 Drill Collars Run 30 Vis 59
 Bottom Packer Depth 3112 Wt. Pipe Run 0 WL 8.00
 Total Depth 3178 Chlorides 2000 ppm System LCM 2 1/2#

Blow Description IF- Slid 12' bit off @ 6.89" blow, built to 3.65"
S12- No return
FF- Built to 4.5"
S12- No return

Rec <u>50</u>	Feet of <u>SGOCM</u>	<u>5</u> %gas	<u>2</u> %oil	%water	<u>93</u> %mud
Rec <u>60</u>	Feet of <u>UGOCM</u>	<u>30</u> %gas	<u>5</u> %oil	%water	<u>65</u> %mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 110 BHT 98 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 Initial Hydrostatic 1495 ☒ Test 1800 ☐ Ruined Shale Packer _____
 Initial Flow 62 to 63 ☐ Jars _____ ☐ Ruined Packer _____
 Initial Shut-In 700 ☐ Circ Sub _____ ☐ Hotel _____
 Final Flow 66 to 67 ☐ Hourly Standby _____ ☒ EM Tool Successful _____
 Final Shut-In 663 ☒ Mileage 26 45.50 ☐ Accessibility _____
 Final Hydrostatic 1453 ☐ Sampler _____ ☐ Gas Sample _____
 T- On Location 15:00 ☐ Straddle _____ ☐ Oversized Hole _____
 Initial Flow 15 T-Started 16:10 ☐ Shale Packer _____ ☐ Sub Total 0
 Initial Shut-In 30 T-Open 17:49 ☐ Extra Packer _____ ☐ Total 1845.50
 Final Flow 45 T-Pulled 20:19 ☐ Extra Recorder _____ ☐ Tool Loaded _____ @ _____
 Final Shut-In 60 T-Out 21:46 ☐ Day Standby _____ ☐ MP/DST Disc't _____
 Comments _____

Approved By _____ Our Representative DJADg

Trilobite Testing Inc. shall not be liable for damage of any kind of 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. 72800

Well Name & No. Sander Farms # H0 Test No. 2 Date 8/6/25
 Company DNOCL Elevation 1931 KB 1923 GL
 Address P.O. Box 1019 Hays, KS 67601
 Co. Rep / Geo Marc Downing Rig Discover Rig #4
 Location: Sec. 10 Twp 14S Rge. 16W Co. Ellis State KS

Interval Tested 3198-3257 Zone Tested LKC D-F
 Anchor Length 59 Drill Pipe Run 31101 Mud Wt. 8.7
 Top Packer Depth 3193 Drill Collars Run 30 Vis 59
 Bottom Packer Depth 3198 Wt. Pipe Run 6 WL 8.0
 Total Depth 3257 Chlorides 2000 ppm System LCM UC#

Blow Description IF 8' fill slid 4' built to 3.41"
S11- No return
FF- Built to 6.42"
S12- No return

Rec <u>100</u>	Feet of <u>650cm</u>	<u>10</u> %gas	<u>5</u> %oil	%water	<u>85</u> %mud
Rec	Feet of <u>60' GIP</u>	%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	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 100 BHT 916 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 Initial Hydrostatic 1553 ☒ Test 1800 ☐ Ruined Shale Packer _____
 Initial Flow 35 to 316 ☐ Jars _____ ☐ Ruined Packer _____
 Initial Shut-In 4316 ☐ Circ Sub _____ ☐ Hotel _____
 Final Flow 34 to 410 ☐ Hourly Standby _____ ☒ EM Tool Successful _____
 Final Shut-In 438 ☒ Mileage 216 45.50 ☐ Accessibility _____
 Final Hydrostatic 1529 ☐ Sampler _____ ☐ Gas Sample _____
 T- On Location 09:32 ☐ Straddle _____ ☐ Oversized Hole _____
 Initial Flow 15 T-Started 09:44 ☐ Shale Packer _____ ☐ Sub Total 0
 Initial Shut-In 30 T-Open 11:30 ☐ Extra Packer _____ ☐ Total 1845.50
 Final Flow 45 T-Pulled 14:00 ☐ Extra Recorder _____ ☐ Tool Loaded _____ @ _____
 Final Shut-In 100 T-Out 15:22 ☐ Day Standby _____ ☐ MP/DST Disc't _____
 Comments _____

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damage of any kind of 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. **72876**

Well Name & No. Sanders Farms #1-10 Test No. 3 Date 8/7/25
Company DNOC I Elevation 1931 KB 1923 GL
Address P.O. Box 1619 Hays, KS 67601
Co. Rep / Geo Marc Downing Rig Discovery Rig #4
Location: Sec. 10 Twp 14S Rge. 16W Co. Ellis State KS

Interval Tested 3288-3359 Zone Tested LKC H-J
Anchor Length 71 Drill Pipe Run 3256 Mud Wt. 9.1
Top Packer Depth 3283 Drill Collars Run 30 Vis 49
Bottom Packer Depth 3288 Wt. Pipe Run 0 WL 8.8
Total Depth 3359 Chlorides 4800 ppm System LCM 2#

Blow Description IF Built to .81" died to .50"
S12- No return
FF- No blow
S12- No return

Rec <u>5</u>	Feet of <u>Mud (oil spots interval)</u>	%gas	%oil	%water	<u>100%</u> mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 97 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
Initial Hydrostatic 11614 ☒ Test 1800 ☐ Ruined Shale Packer _____
Initial Flow 21 to 23 ☐ Jars _____ ☐ Ruined Packer _____
Initial Shut-In 298 ☐ Circ Sub _____ ☐ Hotel _____
Final Flow 25 to 24 ☐ Hourly Standby _____ ☒ EM Tool Successful _____
Final Shut-In 51 ☒ Mileage 26 45.50 ☐ Accessibility _____
Final Hydrostatic 1580 ☐ Sampler _____ ☐ Gas Sample _____
T- On Location 00:40 ☐ Straddle _____ ☐ Oversized Hole _____
Initial Flow 15 T-Started 01:02 ☐ Shale Packer _____ ☐ Sub Total 0
Initial Shut-In 30 T-Open 02:33 ☐ Extra Packer _____ ☐ Total 1845.50
Final Flow 15 T-Pulled 04:03 ☐ Extra Recorder _____ ☐ Tool Loaded _____ @ _____
Final Shut-In 36 T-Out 05:26 ☐ Day Standby _____ ☐ MP/DST Disc't _____
Comments _____

Approved By _____ Our Representative Duffy

Trilobite Testing Inc. shall not be liable for damage of any kind of 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. **72877**

Well Name & No. Sander Farms #1-10 Test No. 4 Date 8/25
Company DNOC Elevation 1931 KB 1923 GL
Address PO Box 1019 Hays KS 67601
Co. Rep / Geo Marc Downing Rig Discovery Rig #4
Location: Sec. 10 Twp 14S Rge. 16W Co. Ellis State KS

Interval Tested 3394-3430 Zone Tested Arbuckle
Anchor Length 36 Drill Pipe Run 3351 Mud Wt. 90
Top Packer Depth 3389 Drill Collars Run 30 Vis 55
Bottom Packer Depth 3394 Wt. Pipe Run 8 WL 8.8
Total Depth 3430 Chlorides 5000 ppm System LCM 134#

Blow Description IF-WSB

S12- NO return
AF- WSB
S12- NO return

Rec <u>5</u>	Feet of <u>60cm</u>	<u>5</u> %gas	<u>40</u> %oil	%water <u>55</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5' BHT Gravity API RW @ °F Chlorides ppm

Initial Hydrostatic 1169 ☒ Test 1800 ☐ Ruined Shale Packer

Initial Flow 18 to FI ☐ Jars ☐ Ruined Packer

Initial Shut-In 1679 ☐ Circ Sub ☐ Hotel

Final Flow 22 to 22 ☐ Hourly Standby ☒ EM Tool Successful

Final Shut-In 528 ☒ Mileage 216 45.50 ☐ Accessibility

Final Hydrostatic 1052 ☐ Sampler ☐ Gas Sample

T- On Location 013:13 ☐ Straddle ☐ Oversized Hole

Initial Flow 15 T-Started 13:34 ☐ Shale Packer ☐ Sub Total 0

Initial Shut-In 30 T-Open 14:58 ☐ Extra Packer ☐ Total 1845.50

Final Flow 15 T-Pulled 16:28 ☐ Extra Recorder ☐ Tool Loaded @

Final Shut-In 30 T-Out 17:40 ☐ Day Standby ☐ MP/DST Disc't

Comments

Approved By Our Representative D. J. Dyk

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**TRILOBITE
TESTING INC.**

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **72878**

Well Name & No.	<u>Sander Farms # 1-10</u>	Test No.	<u>5</u>	Date	<u>8/8/25</u>
Company	<u>DWCT</u>	Elevation	<u>1931</u>	KB	<u>1923</u> GL
Address	<u>P.O. Box 1019 Hays, KS 67601</u>				
Co. Rep / Geo.	<u>Marc Downing</u>	Rig	<u>Discovery Rig #4</u>		
Location: Sec.	<u>10</u>	Twp	<u>14S</u>	Rge.	<u>16W</u> Co. <u>Ellis</u> State <u>KS</u>

Interval Tested	<u>3430-3443</u>	Zone Tested	<u>Arbuckle</u>		
Anchor Length	<u>13</u>	Drill Pipe Run	<u>3392</u>	Mud Wt.	<u>9.0</u>
Top Packer Depth	<u>3425</u>	Drill Collars Run	<u>30</u>	Vis	<u>55"</u>
Bottom Packer Depth	<u>3430</u> <u>SP 3443</u>	Wt. Pipe Run	<u>0</u>	WL	<u>8-8</u>
Total Depth	<u>3516</u>	Chlorides	<u>5000</u> ppm System	LCM	<u>134#</u>

Blow Description IF-Built to 1.84"
S14- No return
FF- Built to 1"
S12- No return

Rec	<u>45</u>	Feet of	<u>910cm</u>	<u>5</u> %gas	<u>45</u> %oil	%water	<u>50</u> %mud
Rec		Feet of		%gas	%oil	%water	%mud
Rec		Feet of		%gas	%oil	%water	%mud
Rec		Feet of		%gas	%oil	%water	%mud
Rec		Feet of		%gas	%oil	%water	%mud
Rec		Feet of		%gas	%oil	%water	%mud
Rec		Feet of		%gas	%oil	%water	%mud

Rec Total	<u>45</u>	BHT	<u>98</u>	Gravity		API RW		@		*F Chlorides		ppm	
Initial Hydrostatic	<u>1731</u>	☒ Test	<u>1800</u>	☐ Ruined Shale Packer									
Initial Flow	<u>18</u> to <u>28</u>	☐ Jars		☐ Ruined Packer									
Initial Shut-In	<u>1144</u>	☐ Circ Sub		☐ Hotel									
Final Flow	<u>31</u> to <u>36</u>	☐ Hourly Standby		☒ EM Tool Successful									
Final Shut-In	<u>1118</u>	☒ Mileage	<u>20</u> <u>45.50</u>	☐ Accessibility									
Final Hydrostatic	<u>1602</u>	☐ Sampler		☐ Gas Sample									
	T- On Location	<u>05:30</u>	☒ Straddle	<u>800</u>	☐ Oversized Hole								
Initial Flow	<u>5</u>	T-Started	<u>06:32</u>	☐ Shale Packer		☐ Sub Total	<u>0</u>						
Initial Shut-In	<u>30</u>	T-Open	<u>08:34</u>	☐ Extra Packer		☐ Total	<u>2645.50</u>						
Final Flow	<u>30</u>	T-Pulled	<u>10:19</u>	☐ Extra Recorder		☐ Tool Loaded		@					
Final Shut-In	<u>30</u>	T-Out	<u>11:50</u>	☐ Day Standby		☐ MP/DST Disc't							
Comments													

Approved By _____ Our Representative DWA JF

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**TRILOBITE
TESTING INC.**

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **72879**

Well Name & No. Sander Farms #1-10 Test No. 10 Date 8/8/25
Company DNOCL Elevation 1931 KB 1923 GL
Address P.O. Box 1019 Hays KS 67601
Co. Rep / Geo Marc Downing Rig Discovery Rig #4
Location: Sec. 10 Twp 14S Rge. 16W Co. Ellis State KS

Interval Tested 3443-3454 Zone Tested Arbuckle
Anchor Length 11 Drill Pipe Run 3416 Mud Wt. 9.0
Top Packer Depth 3438 Drill Collars Run 30 Vis 55
Bottom Packer Depth 3443 SP-3454 Wt. Pipe Run 0 WL 8.8
Total Depth 3516 Chlorides 5000 ppm System LCM 1344

Blow Description FF-BOB in 7 1/2 min built to 22.85

S11- No return

FF BOB in 9 min built to 38.14"

S12- No return

Rec <u>544</u>	Feet of <u>Water w/ oil skum on top</u>	%gas	%oil	<u>100</u> %water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 544 BHT 102 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

Initial Hydrostatic 1776 ☒ Test 1800 ☐ Ruined Shale Packer _____

Initial Flow 34 to 118 ☐ Jars _____ ☐ Ruined Packer _____

Initial Shut-In 1098 ☐ Circ Sub _____ ☐ Hotel _____

Final Flow 121 to 258 ☐ Hourly Standby _____ ☒ EM Tool Successful _____

Final Shut-In 1061 ☐ Mileage N/A ☐ Accessibility _____

Final Hydrostatic 1128 ☐ Sampler _____ ☐ Gas Sample _____

T- On Location Stayed ☒ Straddle 800 ☐ Oversized Hole _____

Initial Flow 15 T-Started 12:34 ☐ Shale Packer _____ ☐ Sub Total 0

Initial Shut-In 30 T-Open 14:09 ☐ Extra Packer _____ ☐ Total 2645.50

Final Flow 30 T-Pulled 16:09 ☐ Extra Recorder _____ ☐ Tool Loaded _____ @ _____

Final Shut-In 45 T-Out 17:58 ☐ Day Standby _____ ☐ MP/DST Disc't _____

Comments _____

Approved By _____ Our Representative Dug/Dg

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