

Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West County: _____

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	☐ Yes	☐ No	☐ Log	Formation (Top), Depth and Datum	☐ Sample
Samples Sent to Geological Survey	☐ Yes	☐ No	Name	Top	Datum
Cores Taken	☐ Yes	☐ No			
Electric Log Run	☐ Yes	☐ No			
Geologist Report / Mud Logs	☐ Yes	☐ No			
List All E. Logs Run:					

CASING RECORD ☐ New ☐ Used Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No (If No, skip questions 2 and 3)
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No (If No, skip question 3)
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No (If No, fill out Page Three of the ACO-1)

Date of first Production/Injection or Resumed Production/Injection:		Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water	Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:	
☐ Vented ☐ Sold ☐ Used on Lease <i>(If vented, Submit ACO-18.)</i>	☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled <i>(Submit ACO-5)</i>	Top	Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	HOUSE FARMS 1-32
Doc ID	1713276

All Electric Logs Run

Micro
Sonic
Dual Induction
Compensated Density Neutron

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	HOUSE FARMS 1-32
Doc ID	1713276

Tops

Name	Top	Datum
Top Anhydrite	3116'	+277
Base Anhydrite	3153'	+240
Foraker	3778'	-385
Topeka	4052'	-659
Heebner	4220'	-827
LKC	4267'	-874
Stark	4463'	-1070
BKC	4518'	-1125
Pawnee	4638'	-1245
Cherokee Shale	4714'	-1321
Mississippi	4908'	-1515

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	HOUSE FARMS 1-32
Doc ID	1713276

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	8.625	23	478	H-325	325	-
Production	7.875	5.5	14	4943	H-Long	250	-



DRILL STEM TEST REPORT

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

111 W 10th
Hays, KS 67601

ATTN: Marc Downing

House Farms #1-32

32-4s-36w Rawlins,KS

Start Date: 2023.05.04 @ 12:30:00

End Date: 2023.05.04 @ 19:22:51

Job Ticket #: 70383 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.05.09 @ 09:21:09



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co., Inc.

32-4s-36w Rawlins,KS

111 W 10th
Hays, KS 67601

House Farms #1-32

Job Ticket: 70383

DST#: 1

ATTN: Marc Dow ning

Test Start: 2023.05.04 @ 12:30:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:58:51

Time Test Ended: 19:22:51

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 73

Interval: 4515.00 ft (KB) To 4539.00 ft (KB) (TVD)

Reference Elevations: 3393.00 ft (KB)

Total Depth: 4539.00 ft (KB) (TVD)

3382.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6771 Inside

Press@RunDepth: 20.90 psig @ 4516.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.05.04

End Date:

2023.05.04

Last Calib.: 2023.05.04

Start Time: 12:30:01

End Time:

19:22:51

Time On Btm: 2023.05.04 @ 14:58:36

Time Off Btm: 2023.05.04 @ 17:01:21

TEST COMMENT: 30 - IF: 1/8" blow at open, died back, dead at 15 min.

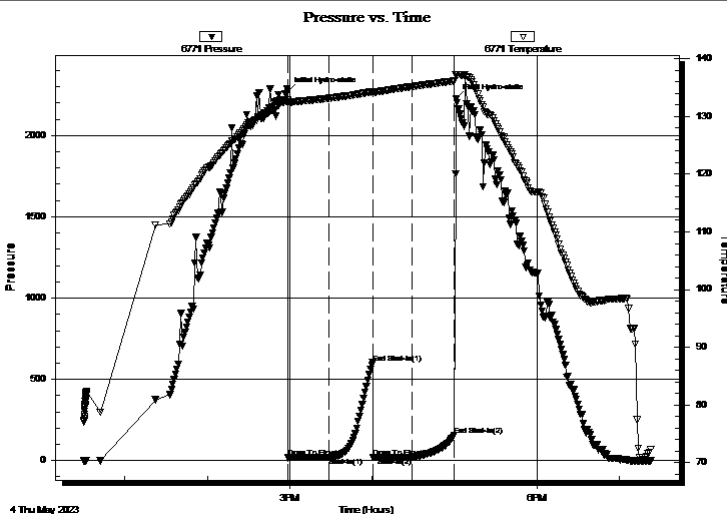
30 - IS: No blow

30 - FF: No blow

30 - FSI: No blow

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2268.37	132.83	Initial Hydro-static
1	17.81	132.39	Open To Flow (1)
30	19.67	133.16	Shut-In(1)
62	602.56	134.31	End Shut-In(1)
63	20.82	134.18	Open To Flow (2)
91	20.90	135.16	Shut-In(2)
122	155.78	136.14	End Shut-In(2)
123	2224.23	137.28	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
20.00	SOCM 93% m, 6% o, 1% g	0.10

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., Inc.

32-4s-36w Rawlins,KS

111 W 10th
Hays, KS 67601

House Farms #1-32

Job Ticket: 70383

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ATTN: Marc Dow ning

Test Start: 2023.05.04 @ 12:30:00

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Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

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Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 73

Interval: 4515.00 ft (KB) To 4539.00 ft (KB) (TVD)

Total Depth: 4539.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3393.00 ft (KB)

3382.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8367 Outside

Press@RunDepth: psig @ 4516.00 ft (KB)

Start Date: 2023.05.04

End Date:

2023.05.04

Start Time: 12:30:01

End Time:

19:22:51

Capacity: 8000.00 psig

Last Calib.: 2023.05.04

Time On Btm:

Time Off Btm:

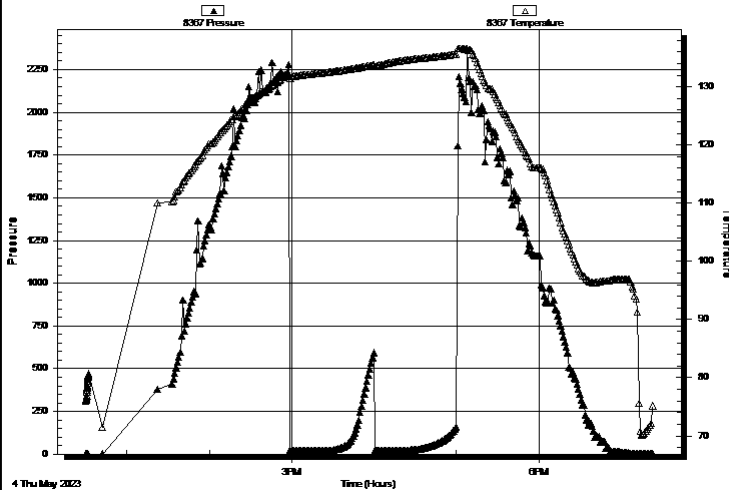
TEST COMMENT: 30 - IF: 1/8" blow at open, died back, dead at 15 min.

30 - IS: No blow

30 - FF: No blow

30 - FSI: No blow

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
20.00	SOCM 93% m, 6% o, 1% g	0.10

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning Nelson Oil Co., Inc.

32-4s-36w Rawlins,KS

111 W 10th
Hays, KS 67601

House Farms #1-32

Job Ticket: 70383

DST#: 1

ATTN: Marc Dow ning

Test Start: 2023.05.04 @ 12:30:00

Tool Information

Drill Pipe:	Length:	4319.00 ft	Diameter:	3.80 inches	Volume:	60.58 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.75 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	172.00 ft	Diameter:	2.25 inches	Volume:	0.85 bbl	Weight to Pull Loose:	76000.00 lb
					Total Volume:	61.43 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		9.00 ft					String Weight: Initial	64000.00 lb
Depth to Top Packer:		4515.00 ft					Final	64000.00 lb
Depth to Bottom Packer:		ft						
Interval betw een Packers:		24.00 ft						
Tool Length:		57.00 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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Change Over Sub	1.00		4483.00	
Shut In Tool	5.00		4488.00	
Hydraulic tool	5.00		4493.00	
Jars	5.00		4498.00	
EM Tool	4.00		4502.00	
Safety Joint	3.00		4505.00	
Packer	5.00		4510.00	33.00 Bottom Of Top Packer
Packer	5.00		4515.00	
Stubb	1.00		4516.00	
Recorder	0.00	6771 Inside	4516.00	
Recorder	0.00	8367 Outside	4516.00	
Perforations	20.00		4536.00	
Bullnose	3.00		4539.00	24.00 Bottom Packers & Anchor

Total Tool Length: 57.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil Co., Inc.

32-4s-36w Rawlins,KS

111 W 10th
Hays, KS 67601

House Farms #1-32

Job Ticket: 70383

DST#: 1

ATTN: Marc Downing

Test Start: 2023.05.04 @ 12:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 9.58 in³

Resistivity: ohm.m

Salinity: 900.00 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
20.00	SOCM 93% m, 6% o, 1% g	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6771

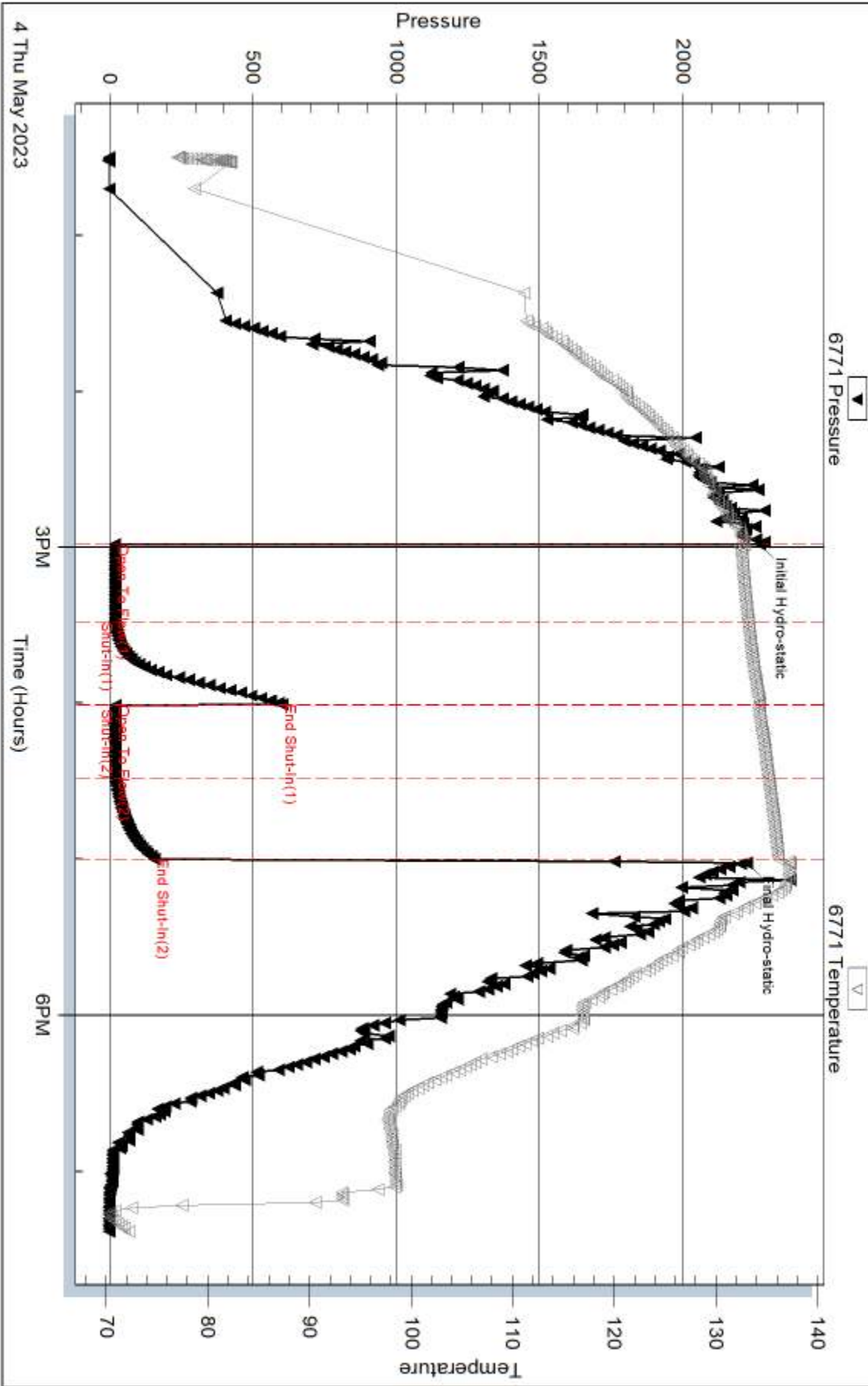
Inside

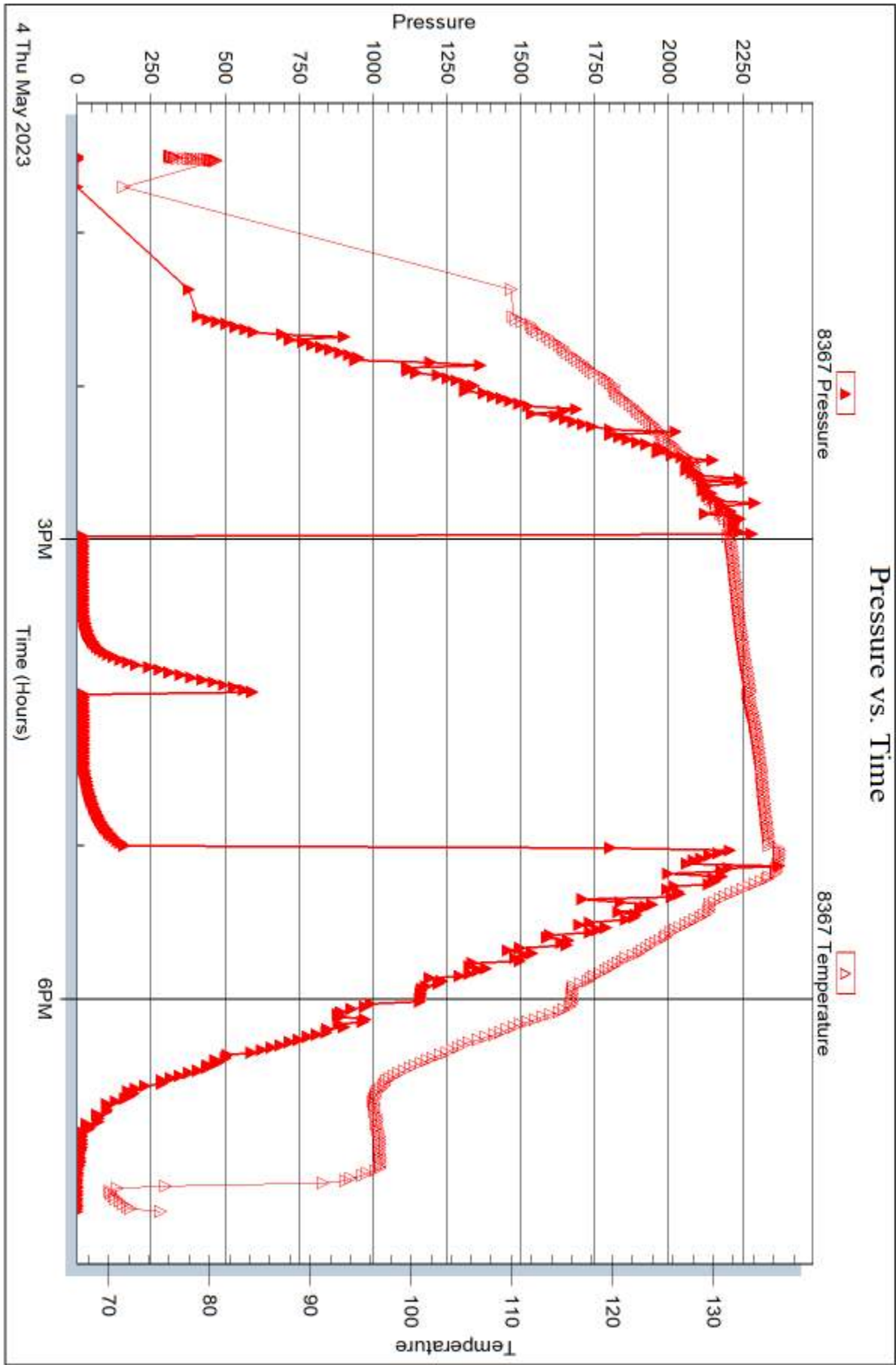
Downing Nelson Oil Co., Inc.

House Farms #1-32

DST Test Number: 1

Pressure vs. Time







DRILL STEM TEST REPORT

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

111 W 10th
Hays, KS 67601

ATTN: Marc Downing

House Farms #1-32

32-4s-36w Rawlins,KS

Start Date: 2023.05.05 @ 13:55:00

End Date: 2023.05.05 @ 23:22:20

Job Ticket #: 70384 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.05.09 @ 09:06:10



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co., Inc.

32-4s-36w Rawlins,KS

111 W 10th
Hays, KS 67601

House Farms #1-32

Job Ticket: 70384

DST#: 2

ATTN: Marc Dow ning

Test Start: 2023.05.05 @ 13:55:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:06:36

Time Test Ended: 23:22:20

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 73

Interval: 4614.00 ft (KB) To 4660.00 ft (KB) (TVD)

Total Depth: 4660.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3393.00 ft (KB)

3382.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6771 Inside

Press@RunDepth: 765.88 psig @ 4615.00 ft (KB)

Start Date: 2023.05.05

End Date:

2023.05.05

Start Time: 13:55:01

End Time:

23:22:20

Capacity: 8000.00 psig

Last Calib.: 2023.05.05

Time On Btm: 2023.05.05 @ 16:06:06

Time Off Btm: 2023.05.05 @ 18:21:21

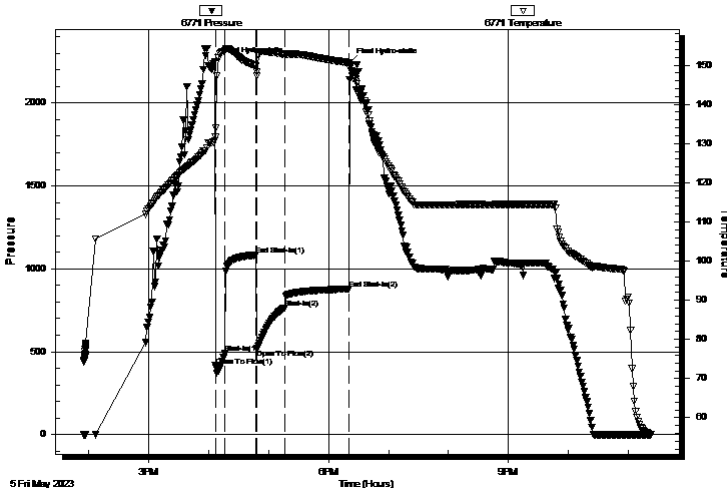
TEST COMMENT: 10 - IF: Blow built to BOB (11") in 1 min., built to 159"

30 - IS: Bled off for 8 min., Blow back built to BOB in 3 3/4 min., built to 48"

30 - FF: Blow built to BOB in 50 sec., built to 214 1/2"

60 - FS: GTS w hile bleeding off, Blow back built to BOB in 6 1/2 min., built to 23 3/4"

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2249.39	130.75	Initial Hydro-static
1	415.45	131.61	Open To Flow (1)
11	489.24	153.49	Shut-In(1)
42	1082.98	149.77	End Shut-In(1)
42	516.37	148.22	Open To Flow (2)
71	765.88	152.69	Shut-In(2)
135	878.23	150.61	End Shut-In(2)
136	2243.84	149.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
115.00	GMO 48%o, 37%m, 15%g	0.57
1937.00	Rev out SMC GO 81%o, 12%g, 7%m	26.65
40.00	CGO 73%o, 27%g	0.56

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., Inc.

32-4s-36w Rawlins,KS

111 W 10th
Hays, KS 67601

House Farms #1-32

Job Ticket: 70384

DST#: 2

ATTN: Marc Dow ning

Test Start: 2023.05.05 @ 13:55:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:06:36

Time Test Ended: 23:22:20

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 73

Interval: 4614.00 ft (KB) To 4660.00 ft (KB) (TVD)

Total Depth: 4660.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3393.00 ft (KB)

3382.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8367 Outside

Press@RunDepth: psig @ 4615.00 ft (KB)

Start Date: 2023.05.05

End Date:

2023.05.05

Start Time: 13:55:01

End Time:

23:22:20

Capacity: 8000.00 psig

Last Calib.: 2023.05.05

Time On Btm:

Time Off Btm:

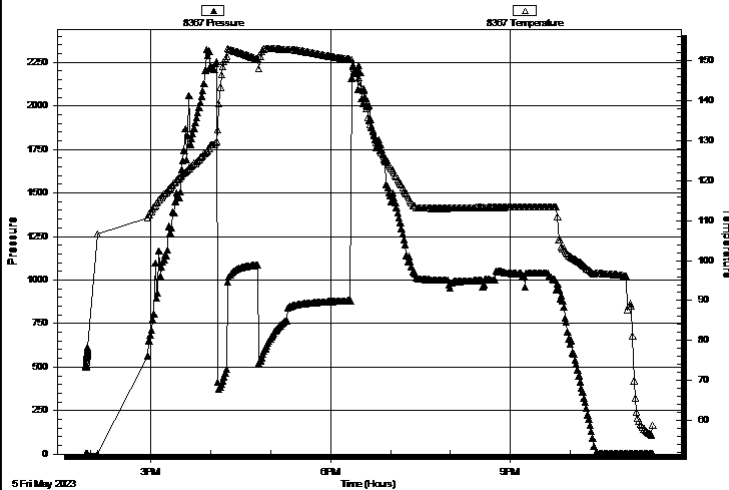
TEST COMMENT: 10 - IF: Blow built to BOB (11") in 1 min., built to 159"

30 - IS: Bled off for 8 min., Blow back built to BOB in 3 3/4 min., built to 48"

30 - FF: Blow built to BOB in 50 sec., built to 214 1/2"

60 - FS: GTS w hile bleeding off, Blow back built to BOB in 6 1/2 min., built to 23 3/4"

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
115.00	GMO 48%o, 37%m, 15%g	0.57
1937.00	Rev out SMC GO 81%o, 12%g, 7%m	26.65
40.00	CGO 73%o, 27%g	0.56

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

TOOL DIAGRAM

Dow ning Nelson Oil Co., Inc.

32-4s-36w Rawlins,KS

111 W 10th
Hays, KS 67601

House Farms #1-32

Job Ticket: 70384

DST#: 2

ATTN: Marc Dow ning

Test Start: 2023.05.05 @ 13:55:00

Tool Information

Drill Pipe:	Length: 4414.00 ft	Diameter: 3.80 inches	Volume: 61.92 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 172.00 ft	Diameter: 2.25 inches	Volume: 0.85 bbl	Weight to Pull Loose:	72000.00 lb
		Total Volume:	62.77 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	66000.00 lb
Depth to Top Packer:	4614.00 ft			Final	72000.00 lb
Depth to Bottom Packer:	ft				
Interval betw een Packers:	46.00 ft				
Tool Length:	79.00 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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Change Over Sub	1.00			4582.00	
Shut In Tool	5.00			4587.00	
Hydraulic tool	5.00			4592.00	
Jars	5.00			4597.00	
EM Tool	4.00			4601.00	
Safety Joint	3.00			4604.00	
Packer	5.00			4609.00	33.00 Bottom Of Top Packer
Packer	5.00			4614.00	
Stubb	1.00			4615.00	
Recorder	0.00	6771	Inside	4615.00	
Recorder	0.00	8367	Outside	4615.00	
Perforations	7.00			4622.00	
Blank Spacing	34.00			4656.00	
Perforations	1.00			4657.00	
Bullnose	3.00			4660.00	46.00 Bottom Packers & Anchor

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning Nelson Oil Co., Inc.

32-4s-36w Rawlins,KS

111 W 10th
Hays, KS 67601

House Farms #1-32

Job Ticket: 70384

DST#: 2

ATTN: Marc Dow ning

Test Start: 2023.05.05 @ 13:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 65.00 sec/qt

Water Loss: 7.79 in³

Resistivity: ohm.m

Salinity: 900.00 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:

36.6 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
115.00	GMO 48%o, 37%m, 15%g	0.566
1937.00	Rev out SMC GO 81%o, 12%g, 7%m	26.652
40.00	CGO 73%o, 27%g	0.561

Total Length: 2092.00 ft

Total Volume: 27.779 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: GIP = 2494'

Gravity = 36.6 api @ 60 deg F

Serial #: 6771

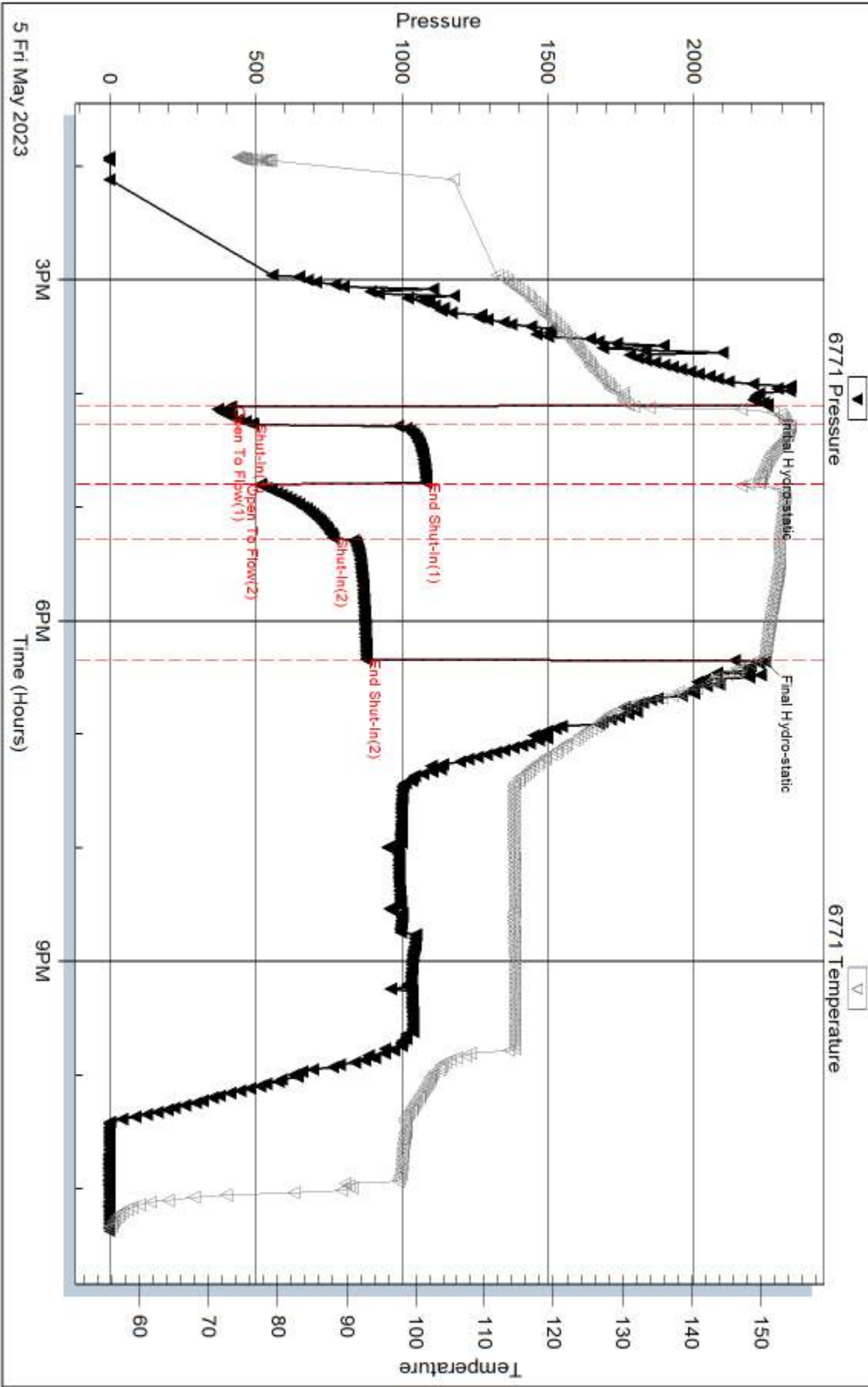
Inside

Downing Nelson Oil Co., Inc.

House Farms #1-32

DST Test Number: 2

Pressure vs. Time



Serial #: 8367

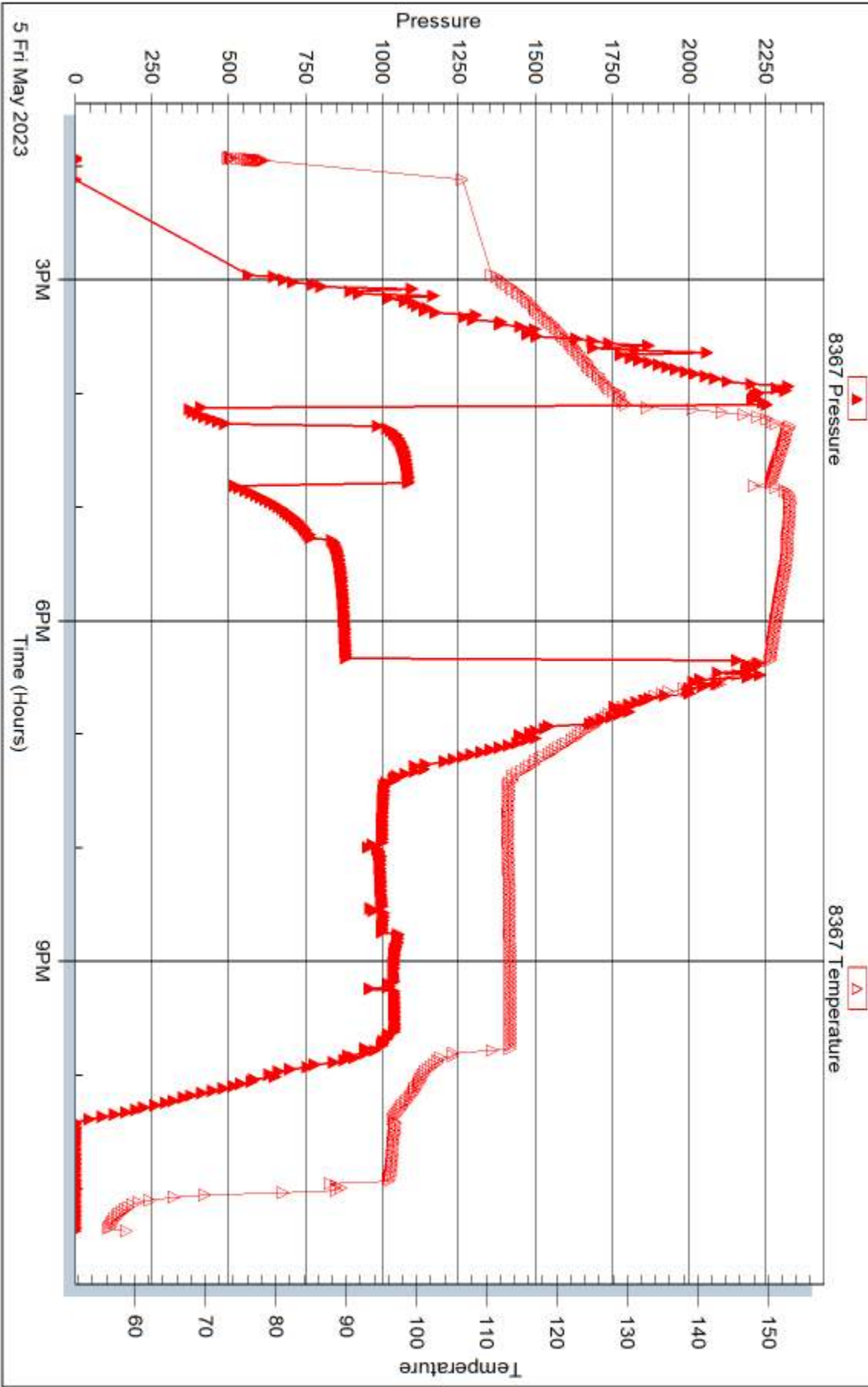
Outside

Downing Nelson Oil Co., Inc.

House Farms #1-32

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

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

111 W 10th
Hays, KS 67601

ATTN: Marc Downing

House Farms #1-32

32-4s-36w Rawlins,KS

Start Date: 2023.05.06 @ 12:17:00

End Date: 2023.05.06 @ 21:50:35

Job Ticket #: 70385 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.05.09 @ 08:59:44

Downing Nelson Oil Co., Inc.

32-4s-36w Rawlins,KS

House Farms #1-32

DST # 3

Cherokee Lime

2023.05.06



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co., Inc.

32-4s-36w Rawlins,KS

111 W 10th
Hays, KS 67601

House Farms #1-32

Job Ticket: 70385

DST#: 3

ATTN: Marc Dow ning

Test Start: 2023.05.06 @ 12:17:00

GENERAL INFORMATION:

Formation: **Cherokee Lime**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:36:51

Time Test Ended: 21:50:35

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 73

Interval: 4711.00 ft (KB) To 4738.00 ft (KB) (TVD)

Total Depth: 4738.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3393.00 ft (KB)

3382.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6771 Inside

Press@RunDepth: 828.07 psig @ 4712.00 ft (KB)

Start Date: 2023.05.06

End Date:

2023.05.06

Start Time: 12:17:01

End Time:

21:50:35

Capacity: 8000.00 psig

Last Calib.: 2023.05.06

Time On Btm: 2023.05.06 @ 14:36:21

Time Off Btm: 2023.05.06 @ 17:08:06

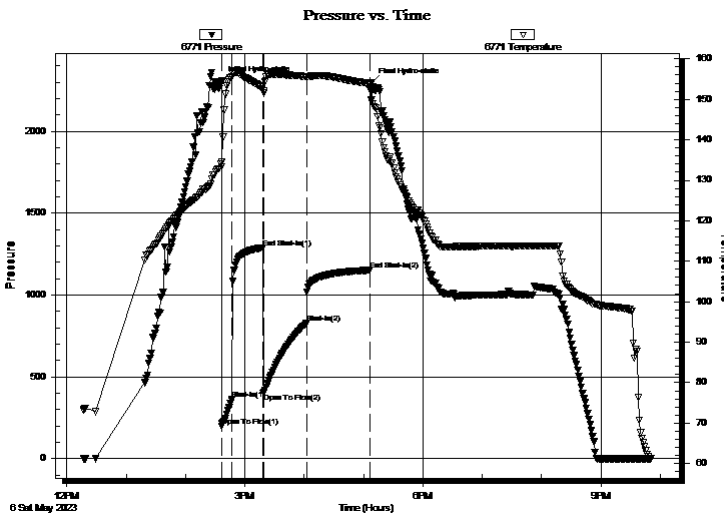
TEST COMMENT: 10 - IF: Blow built to BOB (11") in 1 1/2 min., built to 52 1/2"

30 - IS: Blow back built to 7 1/2"

45 - FF: Blow built to BOB in 2 min., built to 57"

60 - FSI: Blow back built to 3 1/4" then died back a bit

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2308.29	134.47	Initial Hydro-static
1	199.66	134.64	Open To Flow (1)
11	361.93	155.57	Shut-In(1)
42	1289.83	153.12	End Shut-In(1)
43	401.59	152.05	Open To Flow (2)
86	828.07	155.57	Shut-In(2)
150	1151.85	153.92	End Shut-In(2)
152	2300.50	151.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
115.00	HOCM 60% m, 38% o, 2% g	0.57
1935.00	Rev Out VSMCGO 62% o, 36% g, 2% m	26.62
95.00	VSMCGO 81% o, 17% g, 2% m	1.33
0.00	GIP = 1220'	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., Inc.

32-4s-36w Rawlins,KS

111 W 10th
Hays, KS 67601

House Farms #1-32

Job Ticket: 70385

DST#: 3

ATTN: Marc Dow ning

Test Start: 2023.05.06 @ 12:17:00

GENERAL INFORMATION:

Formation: **Cherokee Lime**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:36:51

Time Test Ended: 21:50:35

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 73

Interval: 4711.00 ft (KB) To 4738.00 ft (KB) (TVD)

Total Depth: 4738.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3393.00 ft (KB)

3382.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8367 Outside

Press@RunDepth: psig @ 4712.00 ft (KB)

Start Date: 2023.05.06

End Date:

2023.05.06

Start Time: 12:17:01

End Time:

21:50:35

Capacity: 8000.00 psig

Last Calib.: 2023.05.06

Time On Btm:

Time Off Btm:

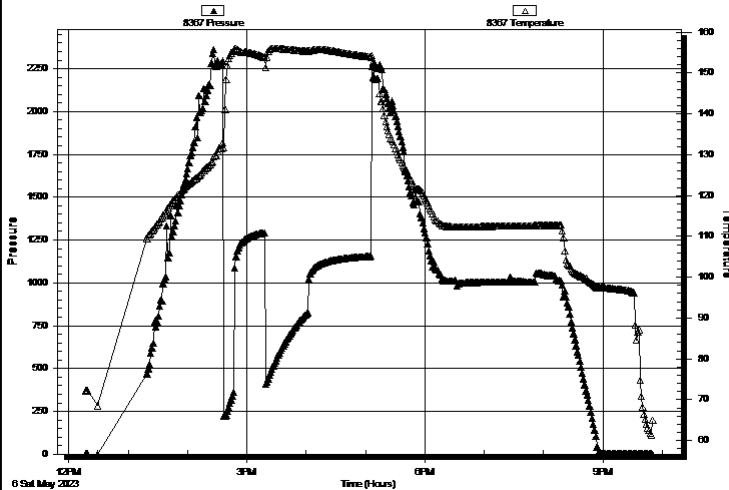
TEST COMMENT: 10 - IF: Blow built to BOB (11") in 1 1/2 min., built to 52 1/2"

30 - IS: Blow back built to 7 1/2"

45 - FF: Blow built to BOB in 2 min., built to 57"

60 - FS: Blow back built to 3 1/4" then died back a bit

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
115.00	HOCM 60% m, 38% o, 2% g	0.57
1935.00	Rev Out VSMCGO 62% o, 36% g, 2% m	26.62
95.00	VSMCGO 81% o, 17% g, 2% m	1.33
0.00	GIP = 1220'	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., Inc.

32-4s-36w Rawlins,KS

111 W 10th
Hays, KS 67601

House Farms #1-32

Job Ticket: 70385

DST#: 3

ATTN: Marc Dow ning

Test Start: 2023.05.06 @ 12:17:00

Tool Information

Drill Pipe:	Length:	4513.00 ft	Diameter:	3.80 inches	Volume:	63.31 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.75 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	172.00 ft	Diameter:	2.25 inches	Volume:	0.85 bbl	Weight to Pull Loose:	86000.00 lb
					Total Volume:	64.16 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		7.00 ft					String Weight: Initial	66000.00 lb
Depth to Top Packer:		4711.00 ft					Final	72000.00 lb
Depth to Bottom Packer:		ft						
Interval betw een Packers:		27.00 ft						
Tool Length:		60.00 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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Change Over Sub	1.00			4679.00	
Shut In Tool	5.00			4684.00	
Hydraulic tool	5.00			4689.00	
Jars	5.00			4694.00	
EM Tool	4.00			4698.00	
Safety Joint	3.00			4701.00	
Packer	5.00			4706.00	33.00 Bottom Of Top Packer
Packer	5.00			4711.00	
Stubb	1.00			4712.00	
Recorder	0.00	6771	Inside	4712.00	
Recorder	0.00	8367	Outside	4712.00	
Perforations	23.00			4735.00	
Bullnose	3.00			4738.00	27.00 Bottom Packers & Anchor

Total Tool Length: 60.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning Nelson Oil Co., Inc.

32-4s-36w Rawlins,KS

111 W 10th
Hays, KS 67601

House Farms #1-32

Job Ticket: 70385

DST#: 3

ATTN: Marc Dow ning

Test Start: 2023.05.06 @ 12:17:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 64.00 sec/qt

Water Loss: 7.79 in³

Resistivity: ohm.m

Salinity: 1000.00 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:

24 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
115.00	HOCM 60%m, 38%o, 2%g	0.566
1935.00	Rev Out VSMCGO 62%o, 36%g, 2%m	26.624
95.00	VSMCGO 81%o, 17%g, 2%m	1.333
0.00	GIP = 1220'	0.000

Total Length: 2145.00 ft

Total Volume: 28.523 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 26 api @ 80 deg F Corrected Gravity = 24 api

Serial #: 6771

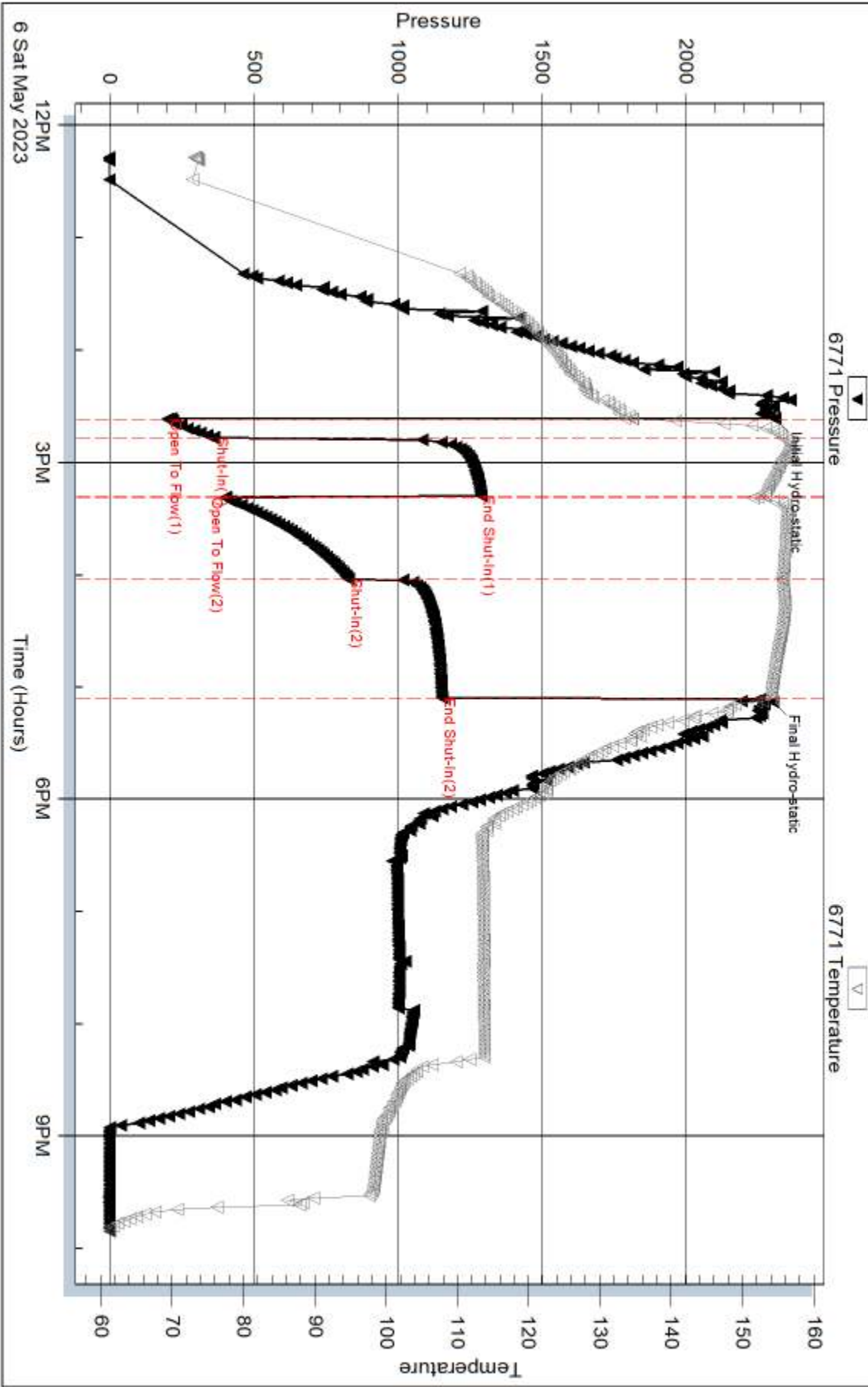
Inside

Downing Nelson Oil Co., Inc.

House Farms #1-32

DST Test Number: 3

Pressure vs. Time

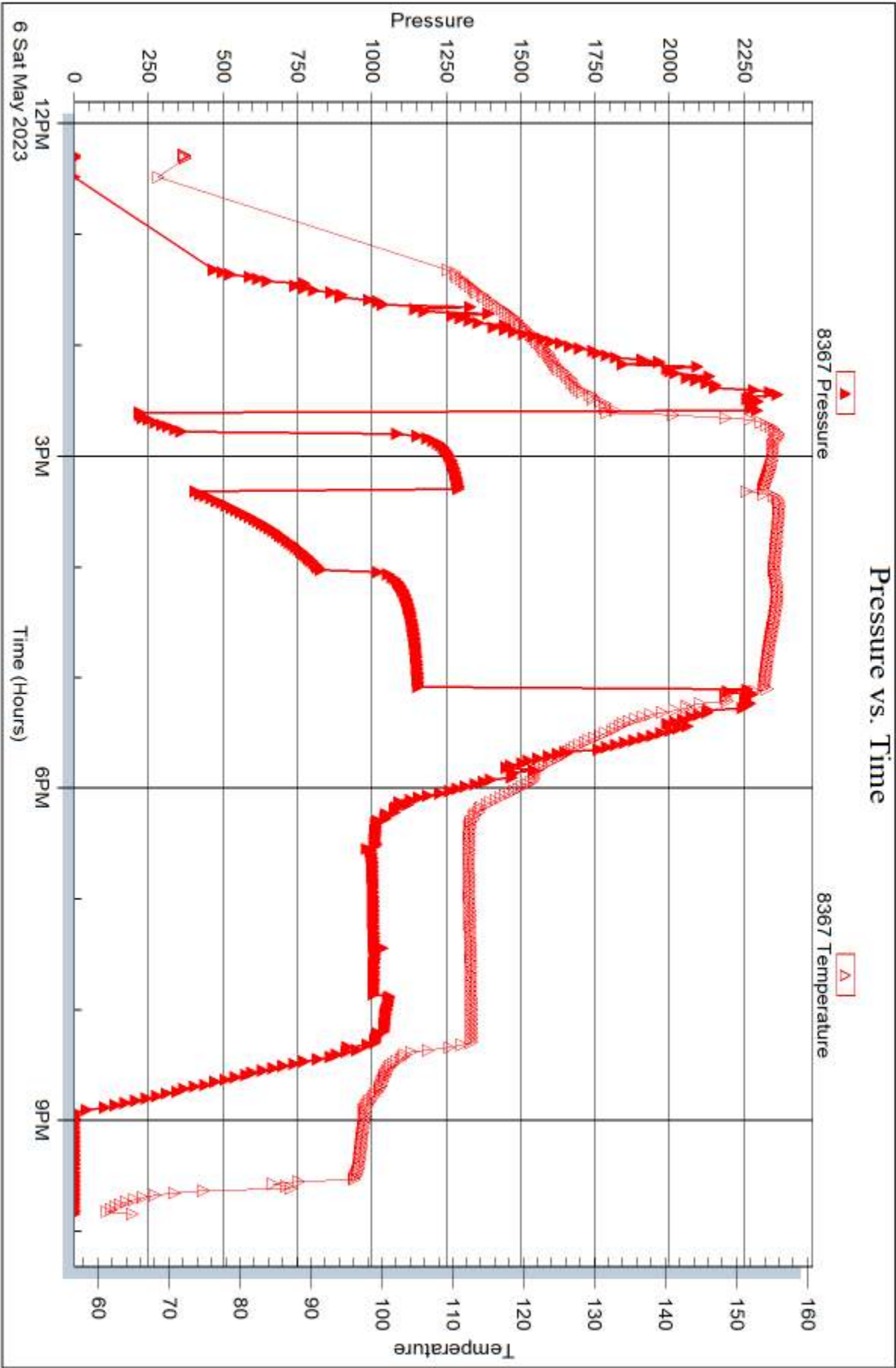


Serial #: 8367

Outside Dow ning Nelson Oil Co., Inc.

House Farms #1-32

DST Test Number: 3





DRILL STEM TEST REPORT

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

111 W 10th
Hays, KS 67601

ATTN: Marc Downing

House Farms #1-32

32-4s-36w Rawlins,KS

Start Date: 2023.05.07 @ 07:40:00

End Date: 2023.05.07 @ 16:07:06

Job Ticket #: 70386 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.05.09 @ 08:58:51

Downing Nelson Oil Co., Inc.

32-4s-36w Rawlins,KS

House Farms #1-32

DST # 4

Cherokee Sand

2023.05.07



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co., Inc.

32-4s-36w Rawlins,KS

111 W 10th
Hays, KS 67601

House Farms #1-32

Job Ticket: 70386

DST#: 4

ATTN: Marc Dow ning

Test Start: 2023.05.07 @ 07:40:00

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:51:51

Time Test Ended: 16:07:06

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 73

Interval: 4735.00 ft (KB) To 4777.00 ft (KB) (TVD)

Total Depth: 4777.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3393.00 ft (KB)

3382.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6771 Inside

Press@RunDepth: 619.72 psig @ 4736.00 ft (KB)

Start Date: 2023.05.07

End Date:

2023.05.07

Start Time: 07:40:01

End Time:

16:07:06

Capacity: 8000.00 psig

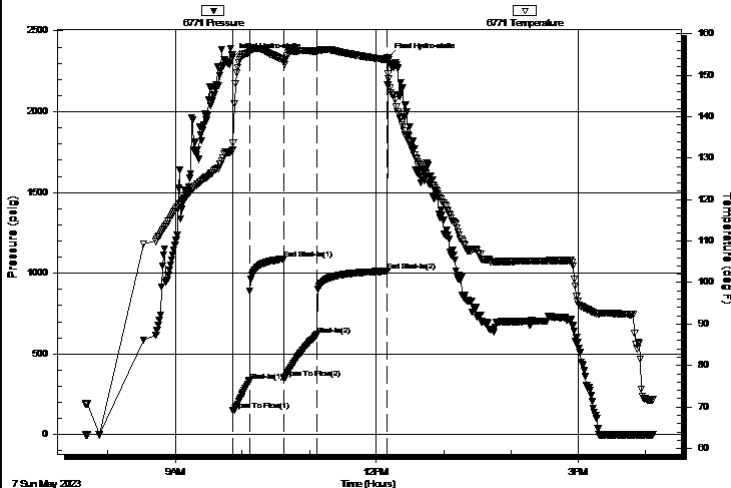
Last Calib.: 2023.05.07

Time On Btm: 2023.05.07 @ 09:51:21

Time Off Btm: 2023.05.07 @ 12:10:36

TEST COMMENT: 15 - IF: Blow built to BOB (11") around 2 min., built to 42"
30 - IS: Blow back built to 2 1/2"
30 - FF: Blow built to BOB at 3 1/4 min., built to 82 1/4"
60 - FS: Blow back built to 3"

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2333.49	131.85	Initial Hydro-static
1	149.78	133.74	Open To Flow (1)
15	333.09	155.49	Shut-In(1)
46	1088.86	153.63	End Shut-In(1)
46	351.05	153.24	Open To Flow (2)
76	619.72	155.65	Shut-In(2)
139	1013.09	153.68	End Shut-In(2)
140	2333.68	150.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
115.00	GMCO 64%o, 25%m, 11%g	0.57
1310.00	Rev Out CGO 67%o, 33%g	17.86
250.00	CGO 64%o, 36%g	3.51
0.00	GIP = 1125'	0.00

Gas Rates

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



Test Start: 2023.05.07 @ 07:40:00

KB to GR/CF: 11.00 ft

TEST COMMENT: 15 - IF: Blow built to BOB (11") around 2 min., built to 42"
30 - ISI: Blow back built to 2 1/2"
30 - FF: Blow built to BOB at 3 1/4 min., built to 82 1/4"
60 - FSI: Blow back built to 3"



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning Nelson Oil Co., Inc.

32-4s-36w Rawlins,KS

111 W 10th
Hays, KS 67601

House Farms #1-32

Job Ticket: 70386

DST#: 4

ATTN: Marc Dow ning

Test Start: 2023.05.07 @ 07:40:00

Tool Information

Drill Pipe:	Length: 4539.00 ft	Diameter: 3.80 inches	Volume: 63.67 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 172.00 ft	Diameter: 2.25 inches	Volume: 0.85 bbl	Weight to Pull Loose:	72000.00 lb
		Total Volume:	64.52 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	4735.00 ft			Final	71000.00 lb
Depth to Bottom Packer:	ft				
Interval betw een Packers:	42.00 ft				
Tool Length:	75.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments: On IF Blow w as building, I closed small valve and w ent to truck to check the computer, w hen I got back to the bucket I found the big valve cracked open, Blow built from 2 3/4" to BOB in 1 1/2 min. after closing the valve

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4703.00	
Shut In Tool	5.00			4708.00	
Hydraulic tool	5.00			4713.00	
Jars	5.00			4718.00	
EM Tool	4.00			4722.00	
Safety Joint	3.00			4725.00	
Packer	5.00			4730.00	33.00 Bottom Of Top Packer
Packer	5.00			4735.00	
Stubb	1.00			4736.00	
Recorder	0.00	6771	Inside	4736.00	
Recorder	0.00	8367	Outside	4736.00	
Perforations	5.00			4741.00	
Blank Spacing	33.00			4774.00	
Bullnose	3.00			4777.00	42.00 Bottom Packers & Anchor

Total Tool Length: 75.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning Nelson Oil Co., Inc.

32-4s-36w Rawlins,KS

111 W 10th
Hays, KS 67601

House Farms #1-32

Job Ticket: 70386

DST#: 4

ATTN: Marc Dow ning

Test Start: 2023.05.07 @ 07:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 64.00 sec/qt

Water Loss: 7.80 in³

Resistivity: ohm.m

Salinity: 1000.00 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:

24 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
115.00	GMCO 64%o, 25%m, 11%g	0.566
1310.00	Rev Out CGO 67%o, 33%g	17.857
250.00	CGO 64%o, 36%g	3.507
0.00	GIP = 1125'	0.000

Total Length: 1675.00 ft

Total Volume: 21.930 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 26 api @ 80 deg F Corrected Gravity = 24 api

Serial #: 6771

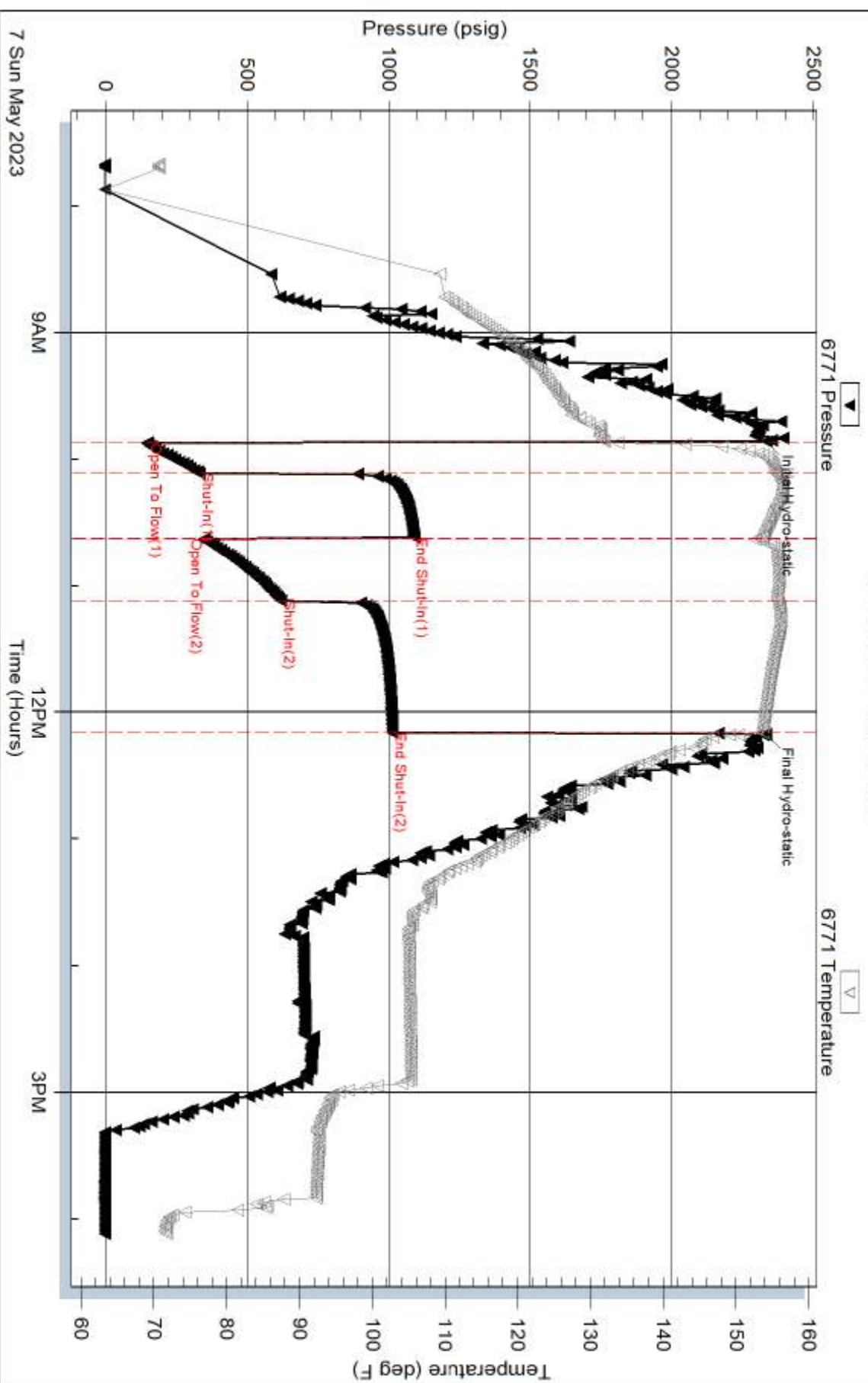
Inside

Downing Nelson Oil Co., Inc.

House Farms #1-32

DST Test Number: 4

Pressure vs. Time

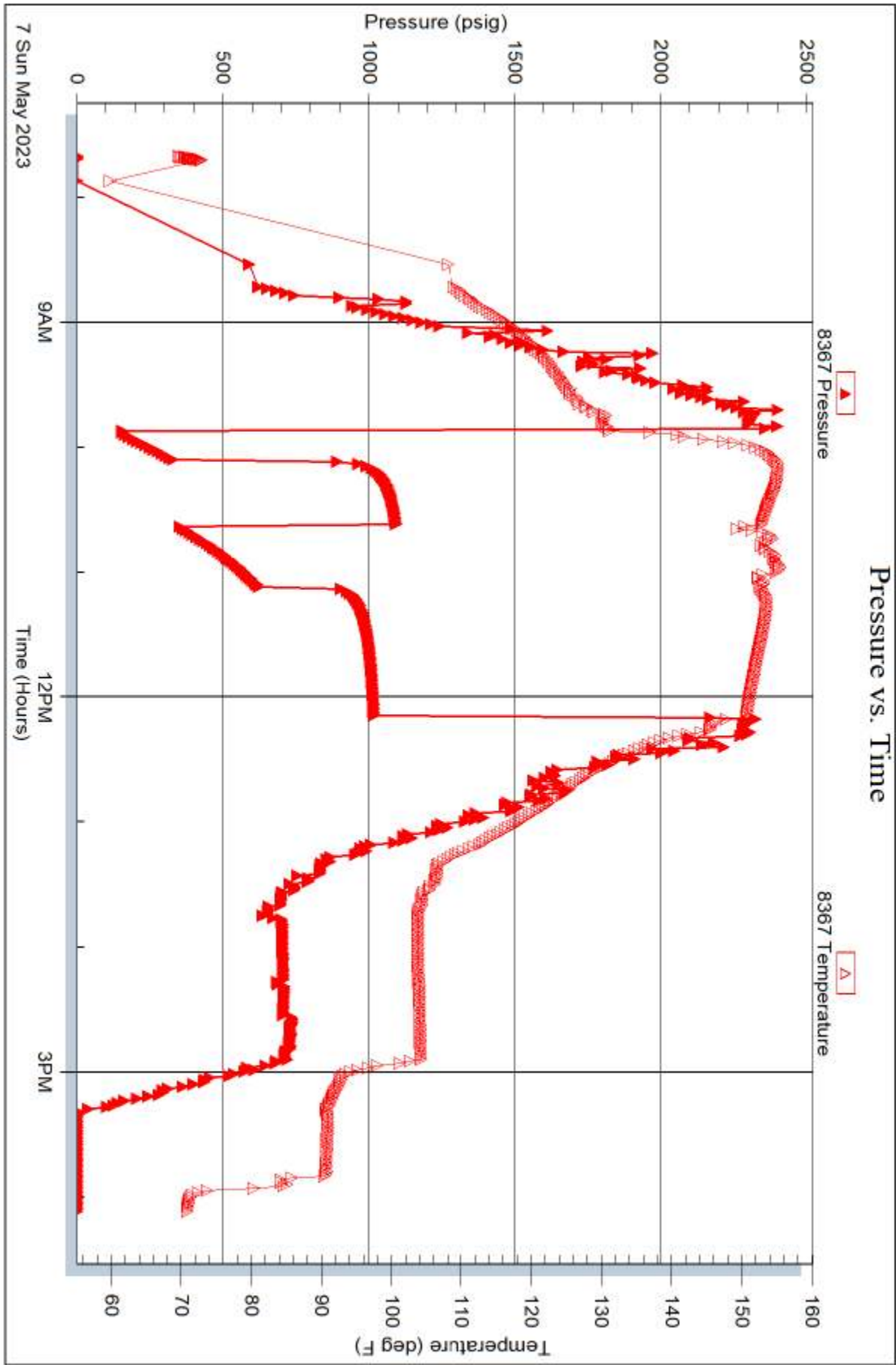


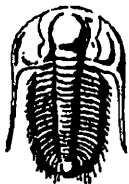
Serial #: 8367

Outside Dow n ing Nelson Oil Co., Inc.

House Farms #1-32

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70383

Well Name & No. House Farms #1-32 Test No. 1 Date 5-4-23
Company Downing Nelson Oil Co. Inc Elevation 3393 KB 3382 GL
Address 111 W 10th Hays KS 67601
Co. Rep / Geo Marc Downing Rig Duke #5
Location: Sec. 32 Twp 4S Rge. 36W Co. Rawlins State KS

Interval Tested 4515-4539 Zone Tested Marmaton
Anchor Length 24 Drill Pipe Run 4319 Mud Wt. 9.3
Top Packer Depth 4510 Drill Collars Run 172 Vis 54
Bottom Packer Depth 4515 Wt. Pipe Run - WL 9.6
Total Depth 4539 Chlorides 900 ppm System LCM 3 3/4

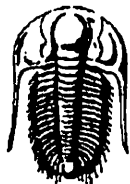
Blow Description IF: 1/8" Blow at open, died back, dead at 15 min.
ISI: No blow
FF: No blow
FSI: No blow

Rec <u>20</u>	Feet of <u>50cm</u>	<u>1</u> %gas	<u>6</u> %oil	%water	<u>93</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 20 BHT 136 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
Initial Hydrostatic 2268 ☒ Test 1950 ☐ Ruined Shale Packer _____
Initial Flow 18 to 20 ☒ Jars 300 ☐ Ruined Packer _____
Initial Shut-In 603 ☐ Circ Sub _____ ☐ Hotel _____
Final Flow 21 to 21 ☐ Hourly Standby _____ ☐ EM Tool Successful -350
Final Shut-In 156 ☒ Mileage 108RT 189 ☐ Accessibility _____
Final Hydrostatic 2224 ☐ Sampler _____ ☐ Gas Sample _____
T- On Location 10:00 ☐ Straddle _____ ☐ Sub Total -350
Initial Flow 30 T-Started 12:30 ☐ Shale Packer _____ ☐ Total 2089
Initial Shut-In 30 T-Open 14:58 ☐ Extra Packer _____ ☐ Tool Loaded _____ @ _____
Final Flow 30 T-Pulled 16:59 ☐ Extra Recorder _____ ☐ MP/DST Disc't _____
Final Shut-In 30 T-Out 19:20 ☐ Day Standby _____
Comments _____

Approved By _____ Our Representative James Winters

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. 70384

Well Name & No. House Farms #1-32 Test No. 2 Date 5-5-23
 Company Downing Nelson Oil Co. Inc Elevation 3393 KB 3382 GL
 Address 111 W 10th Hays KS 67601
 Co. Rep / Geo Marc Downing Rig Duke #5
 Location: Sec. 32 Twp 4s Rge. 36w Co. Rawlins State KS

Interval Tested 4614-4660 Zone Tested Pawnee
 Anchor Length 46 Drill Pipe Run 4414 Mud Wt. 9.3
 Top Packer Depth 4609 Drill Collars Run 172 Vis 65
 Bottom Packer Depth 4614 Wt. Pipe Run - WL 7.8
 Total Depth 4660 Chlorides 900 ppm System LCM 4

Blow Description IF: Blow built to BOB (11") at 1min., built to 159"
ISI: Bled off for 8min. Blowback built to BOB in 3 3/4 min., built to 48"
FF: Blow built BOB in 50 sec., built to 214 1/2"
F5I: GTS while bleeding off, Blowback built to BOB in 6 1/2 min. built to 233 3/4"

Rec <u>40</u>	Feet of <u>CGO</u>	<u>27</u> %gas	<u>73</u> %oil	%water	%mud
Rec <u>REV 1937</u>	Feet of <u>SMCGO</u>	<u>12</u> %gas	<u>81</u> %oil	%water	<u>7</u> %mud
Rec <u>Below 115</u>	Feet of <u>GMO</u>	<u>15</u> %gas	<u>48</u> %oil	%water	<u>37</u> %mud
Rec <u>Sub</u>	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 2092 BHT 151 Gravity 36.6 API RW @ °F Chlorides ppm

Initial Hydrostatic 2249 ☒ Test 1950 ☐ Ruined Shale Packer

Initial Flow 415 to 489 ☒ Jars 300 ☐ Ruined Packer

Initial Shut-In 1083 ☒ Circ Sub 50 ☐ Hotel

Final Flow 516 to 766 ☐ Hourly Standby ☐ EM Tool Successful -350

Final Shut-In 878 ☒ Mileage 108 RT 189 ☐ Accessibility

Final Hydrostatic 2244 ☐ Sampler ☐ Gas Sample

T-On Location 12:50 ☐ Straddle ☐ Sub Total -350

Initial Flow 10 T-Started 13:55 ☐ Shale Packer ☐ Total 2139

Initial Shut-In 30 T-Open 16:06 ☐ Extra Packer ☐ Tool Loaded @

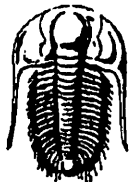
Final Flow 30 T-Pulled 18:20 ☐ Extra Recorder ☐ MP/DST Disc't

Final Shut-In 60 T-Out 23:15 ☐ Day Standby

Comments

Approved By _____ Our Representative James Winder

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. 70385

Well Name & No. House Farms #1-32 Test No. 3 Date 5-6-23
Company Downing Nelson Oil Co. Inc Elevation 3393 KB 3382 GL
Address 111 W 18th Hays, KS 67601
Co. Rep / Geo Marc Downing Rig Duke #5
Location: Sec. 32 Twp 4s Rge. 36w Co. Rawlins State KS

Interval Tested 4711- 4738 Zone Tested Cherokee Lime
Anchor Length 27 Drill Pipe Run 4513 Mud Wt. 9.3
Top Packer Depth 4706 Drill Collars Run 172 Vis 64
Bottom Packer Depth 4711 Wt. Pipe Run - WL 7.8
Total Depth 4738 Chlorides 1000 ppm System LCM 4

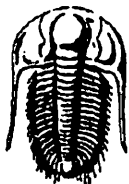
Blow Description IF: Blow built to BOB (11") in 1 1/2 min., built to 52 1/2"
ISI: Blow back built to 7 1/2"
FF: Blow built to BOB in 2 min., built to 57"
FSI: Blowback built to 3 1/4' then died back a bit

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>95</u>	Feet of <u>VSMCGO</u>	<u>17</u>	<u>81</u>	<u>2</u>	<u>2</u>
Rec <u>REV 1935</u>	Feet of <u>VSMCGO</u>	<u>36</u>	<u>62</u>	<u>2</u>	<u>2</u>
Rec <u>Below Fire 115</u>	Feet of <u>HOCM</u>	<u>2</u>	<u>38</u>	<u>60</u>	<u>60</u>
Rec	Feet of <u>GIP= 1220'</u>				
Rec	Feet of				
Rec	Feet of				
Rec	Feet of				

Rec Total 2145 BHT 154 Gravity 24 API RW @ °F Chlorides ppm
Initial Hydrostatic 2308 ☒ Test 1950 ☐ Ruined Shale Packer
Initial Flow 200 to 362 ☒ Jars 300 ☐ Ruined Packer
Initial Shut-In 1290 ☒ Circ Sub 50 ☐ Hotel
Final Flow 402 to 828 ☐ Hourly Standby ☒ EM Tool Successful
Final Shut-In 1152 ☒ Mileage 108 RT 189 ☐ Accessibility
Final Hydrostatic 2301 ☐ Sampler ☐ Gas Sample
T- On Location 11:10 ☐ Straddle ☐ Sub Total 0
Initial Flow 10 T-Started 12:17 ☐ Shale Packer ☐ Total 2489
Initial Shut-In 30 T-Open ☐ Extra Packer ☐ Tool Loaded @
Final Flow 45 T-Pulled ☐ Extra Recorder ☐ MP/DST Disc't
Final Shut-In 60 T-Out 21:45 ☐ Day Standby
Comments

Approved By _____ Our Representative James Winkler

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. 70386

Well Name & No. House Farms #1-32 Test No. 4 Date 5-7-23
 Company Downing Nelson Oil Co. Inc Elevation 3393 KB 3382 GL
 Address 111 W 10th Hays KS 67601
 Co. Rep / Geo Marc Downing Rig Duke #5
 Location: Sec. 32 Twp 4S Rge. 36W Co. Rawlins State KS

Interval Tested 4735 - 4777 Zone Tested Cherokee Sand
 Anchor Length 42 Drill Pipe Run 4539 Mud Wt. 9.3
 Top Packer Depth 4730 Drill Collars Run 172 Vis 64
 Bottom Packer Depth 4735 Wt. Pipe Run - WL 7.8
 Total Depth 4777 Chlorides 1000 ppm System LCM 4

Blow Description IF: Blow built to BOB (11") ground 2 min., built to 42"
ISI: Blowback built to 2 1/2'
FF: Blow built to BOB in 3 1/4 min., built to 82 1/4"
FSI Blowback built to 3"

Rec <u>250</u>	Feet of <u>CGO</u>	<u>36</u> %gas	<u>64</u> %oil	%water	%mud
Rev <u>1310</u>	Feet of <u>CGO</u>	<u>33</u> %gas	<u>67</u> %oil	%water	%mud
Rec <u>115</u>	Feet of <u>CGO 5mco</u>	<u>11</u> %gas	<u>64</u> %oil	%water	<u>25</u> %mud
Rec	Feet of <u>GIP = 1125</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 Total 1675 BHT 154 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 Initial Hydrostatic 2333 ☒ Test 1950 ☐ Ruined Shale Packer _____
 Initial Flow 150 to 333 ☒ Jars 300 ☐ Ruined Packer _____
 Initial Shut-In 1089 ☒ Circ Sub 50 ☐ Hotel _____
 Final Flow 351 to 620 ☐ Hourly Standby _____ ☐ EM Tool Successful -350
 Final Shut-In 1013 ☒ Mileage 108 RT 189 ☐ Accessibility _____
 Final Hydrostatic 2334 ☐ Sampler _____ ☐ Gas Sample _____
 T- On Location 7:00 ☐ Straddle _____ ☐ Sub Total -350
 Initial Flow 15 T-Started 7:40 ☐ Shale Packer _____ ☐ Total 2139
 Initial Shut-In 30 T-Open 9:51 ☐ Extra Packer _____ ☐ Tool Loaded _____ @ _____
 Final Flow 30 T-Pulled 12:09 ☐ Extra Recorder _____ ☐ MP/DST Disc't _____
 Final Shut-In 60 T-Out 16:05 ☐ Day Standby _____

Comments on IF Blow was building I closed valve went to truck to check computer
when I got back to the bucket I found the valve cracked open - Blow built
from 2 3/4" to BOB in 1 1/2 min after closing valve

Approved By _____ Our Representative James Winkler

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