

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

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

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	LYNN PELTON 2-30
Doc ID	1725785

Tops

Name	Top	Datum
Top Anhydrite	1353'	+827
Base Anhydrite	1377'	+803
Herrington	2292'	-112
Heebner	3696'	-1516
LKC	3745'	-1565
BKC	4060'	-1880
Fort Scott	4251'	-2071
Cherokee Shale	4264'	-2084
Mississippi	4316'	-2136

JOB LOG

SWIFT Services, Inc.

DATE 7/28/2023 1 PAGE NO.

CUSTOMER Downing + Nelson WELL NO. 2-31 LEASE Lynn Pelton JOB TYPE Deep Surface TICKET NO. 36092

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1430							ON LOCATION 8 5/8" 2316/ft
								RTD: 1,191' TP: 1,191'
	1445							Break Circulation
	1515	4	10		✓	250		Pump 10 bbl KLL SPACER
		5	46		✓	200		Mix 100 sks @ 11.8 ppg
		5	62		✓	200		Mix 150 sks @ 12.5 ppg
		5	16		✓	200		Mix 50 sks @ 13.5 ppg
		5	13		✓	200		Mix 50 sks @ 14.5 ppg
								Release Top Plug
		0.5	0		✓	50		Begin Displacement
		5	24		✓	100		1.16 PSI
		5	63		✓	250		* Circulate Cement to Surface *
	1630	2	72		✓	250		MAX 1.16 PSI
	1630	2	73.5		✓	300		LAND LATCH DOWN Plug
	1635							Wash up Track # 115
	1635							Job Complete
	1700							350 sks of SMD 1/4" Flt used Approx 20 sks to the Pit
								Plug Down @ 4:30 PM CST
								Thanks!
								Gideon, Tyler, Josh

LOG

SWIFT Services, Inc.

DATE
8/5/2023PAGE NO.
1

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Downing + Nelson		2-30		LYNN-Pelton		Long String		36098	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1330							ON LOCATION 5 1/2" 1416/FE RTD: 4.347' LTD: 4.344' TP: 4.345' SJ: 42.52' OUT: #58, #104-108 Turbo's: 1, 3, 5, 7, 9, 11 CMT Basket: #4	
	1400							Begin 5 1/2" 1416/FE Csg in Well	
	1546							Drop Ball - Circulate	
	1645	4	12		✓	275		Pump 500 gal Mud Flush	
		4	20		✓	275		Pump 20 bbl KCL SPACER	
	1700	2	7.5					Plug RH + MH [30, 20]	
	1715	3	30		✓	100		Mix 125 sks of STANDARD CMT @ 14.7ppg	
	1730							Wash Pump + Lines Release Latch Down Plug	
	1735	6 1/2	0		✓	200		Begin Displacement	
		6 1/2	83		✓	300		LIFE PSI	
		6 1/2	104		✓	700		MAX LIFE PSI	
	1800	5	105		✓	1600		LAND Latch Down Plug Release PSI *Hold*	
	1800							Wash up Truck #115	
	1830							Job Complete	
								175 sks of Standard CMT w/ 2% gel, 10% SALT, 1/2% HALAD 322, 1/4" Fk used 30-RH, 20-MH, 125 DOWN Well	



DRILL STEM TEST REPORT

Prepared For: **Downing Nelson Oil Co**

PO Box 1019
Hays KS 67601

ATTN: Marc Downing

Lynn Pelton #2-30

30-20S-20W Pawnee,KS

Start Date: 2023.08.02 @ 20:45:00

End Date: 2023.08.03 @ 04:03:30

Job Ticket #: 71103 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.08.08 @ 15:08:34

Downing Nelson Oil Co

30-20S-20W Pawnee,KS

Lynn Pelton #2-30

DST # 1

Mississippi

2023.08.02



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co

30-20S-20W Pawnee,KS

PO Box 1019
Hays KS 67601

Lynn Pelton #2-30

Job Ticket: 71103

DST#: 1

ATTN: Marc Dow ning

Test Start: 2023.08.02 @ 20:45:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:20:30

Time Test Ended: 04:03:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Richie Samora

Unit No: 66

Interval: 4262.00 ft (KB) To 4324.00 ft (KB) (TVD)

Reference Elevations: 2324.00 ft (KB)

Total Depth: 4324.00 ft (KB) (TVD)

2316.00 ft (CF)

Hole Diameter: 7.79 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8355

Inside

Press@RunDepth: 707.99 psig @ 4308.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.08.02

End Date:

2023.08.03

Last Calib.: 1899.12.30

Start Time: 20:45:05

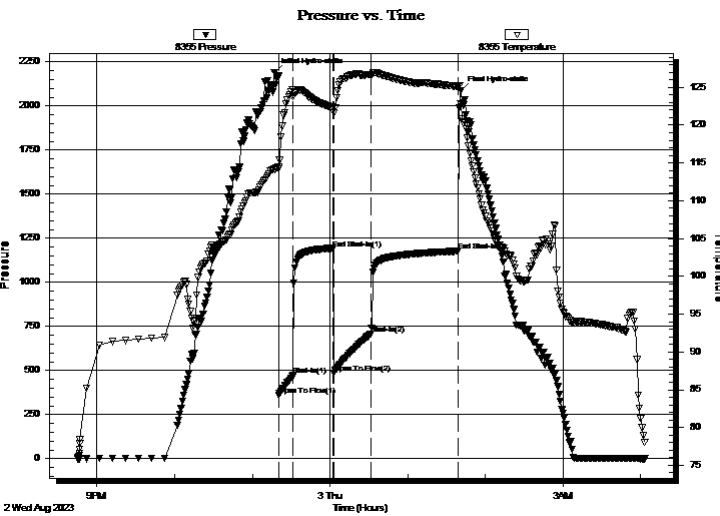
End Time:

04:03:29

Time On Btm: 2023.08.02 @ 23:17:00

Time Off Btm: 2023.08.03 @ 01:41:00

TEST COMMENT: 10-IF: Fair blow BOB in 3 minutes built to 34"
30-ISI: No blow back
30-FF: Fair blow BOB in 4 minutes built to 64"
60-FSI: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2190.95	114.16	Initial Hydro-static
4	359.84	114.24	Open To Flow (1)
15	472.87	123.74	Shut-In(1)
45	1190.63	122.36	End Shut-In(1)
46	484.72	121.57	Open To Flow (2)
75	707.99	126.70	Shut-In(2)
142	1177.19	125.10	End Shut-In(2)
144	2087.97	122.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OCMW 20%O 20%M 60%W	1.41
1000.00	Empty	14.03
360.00	MW 40%M 60%W	5.05

Gas Rates

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



DRILL STEM TEST REPORT

Dow ning Nelson Oil Co

30-20S-20W Pawnee,KS

PO Box 1019
Hays KS 67601

Lynn Pelton #2-30

Job Ticket: 71103

DST#: 1

ATTN: Marc Dow ning

Test Start: 2023.08.02 @ 20:45:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:20:30

Time Test Ended: 04:03:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Richie Samora

Unit No: 66

Interval: **4262.00 ft (KB) To 4324.00 ft (KB) (TVD)**

Reference Elevations: 2324.00 ft (KB)

Total Depth: 4324.00 ft (KB) (TVD)

2316.00 ft (CF)

Hole Diameter: 7.79 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: **8289** Outside

Press@RunDepth: psig @ 4308.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.08.02

End Date:

2023.08.03

Last Calib.:

1899.12.30

Start Time: 20:45:01

End Time:

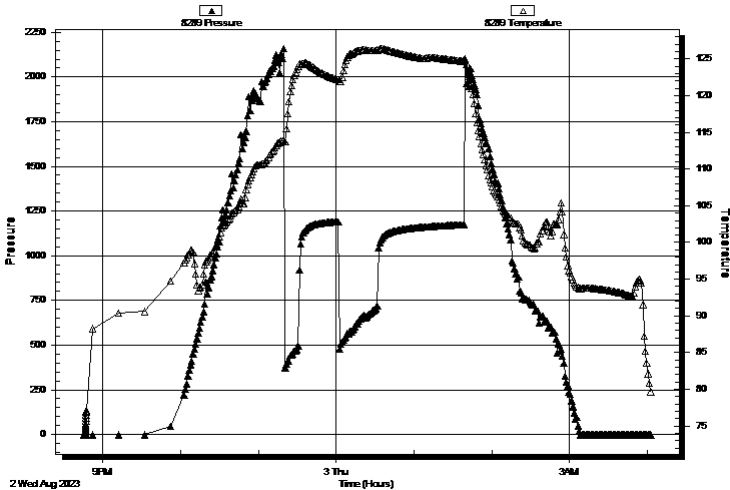
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Time On Btm:

Time Off Btm:

TEST COMMENT: 10-IF: Fair blow BOB in 3 minutes built to 34"
30-ISI: No blow back
30-FF: Fair blow BOB in 4 minutes built to 64"
60-FSI: No blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OCMW 20%O 20%M 60%W	1.41
1000.00	Empty	14.03
360.00	MW 40%M 60%W	5.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning Nelson Oil Co

30-20S-20W Pawnee,KS

PO Box 1019
Hays KS 67601

Lynn Pelton #2-30

Job Ticket: 71103

DST#: 1

ATTN: Marc Dow ning

Test Start: 2023.08.02 @ 20:45:00

Tool Information

Drill Pipe:	Length: 4200.00 ft	Diameter: 3.80 inches	Volume: 58.91 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 59.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	4262.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	62.00 ft			
Tool Length:	98.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Change Over Sub	1.00			4227.00	
Shut In Tool	5.00			4232.00	
Hydraulic tool	5.00			4237.00	
Jars	8.00			4245.00	
EM Tool	4.00			4249.00	
Safety Joint	3.00			4252.00	
Packer	5.00			4257.00	36.00 Bottom Of Top Packer
Packer	5.00			4262.00	
Stubb	1.00			4263.00	
Perforations	7.00			4270.00	
Change Over Sub	1.00			4271.00	
Drill Pipe	31.00			4302.00	
Change Over Sub	1.00			4303.00	
Handling Sub	5.00			4308.00	
Recorder	0.00	8355	Inside	4308.00	
Recorder	0.00	8289	Outside	4308.00	
Perforations	13.00			4321.00	
Bullnose	3.00			4324.00	62.00 Bottom Packers & Anchor

Total Tool Length: 98.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning Nelson Oil Co

30-20S-20W Pawnee,KS

PO Box 1019
Hays KS 67601

Lynn Pelton #2-30

Job Ticket: 71103

DST#: 1

ATTN: Marc Dow ning

Test Start: 2023.08.02 @ 20:45:00

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	OCMW 20%O 20%M 60%W	1.410
1000.00	Empty	14.027
360.00	MW 40%M 60%W	5.050

Total Length: 1480.00 ft Total Volume: 20.487 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: pen appeared to break on sub w hil;e tripping out of the hole

Serial #: 8355

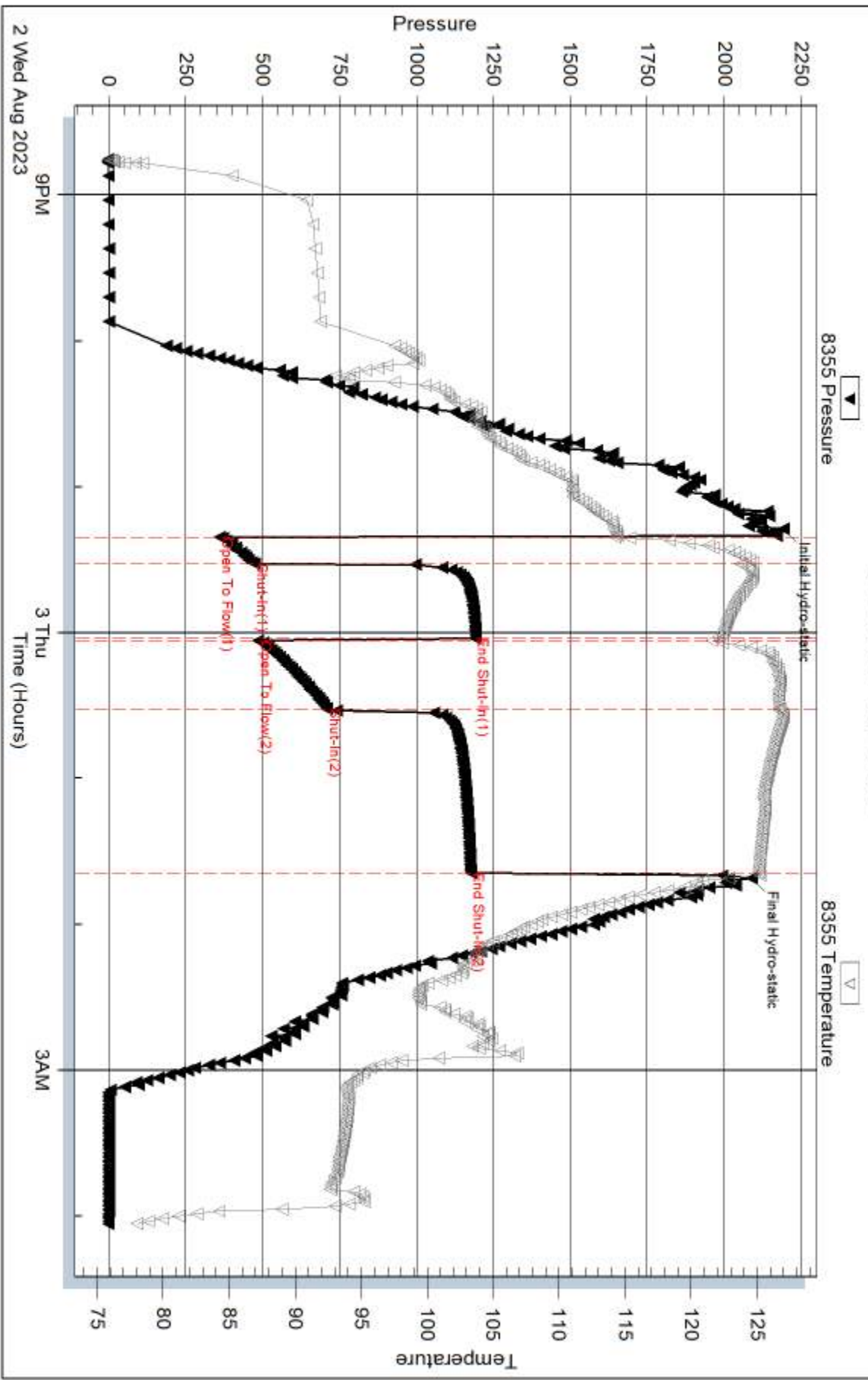
Inside

Downing Nelson Oil Co

Lynn Pelton #2-30

DST Test Number: 1

Pressure vs. Time



TriLobite Testing, Inc

Ref. No: 71103

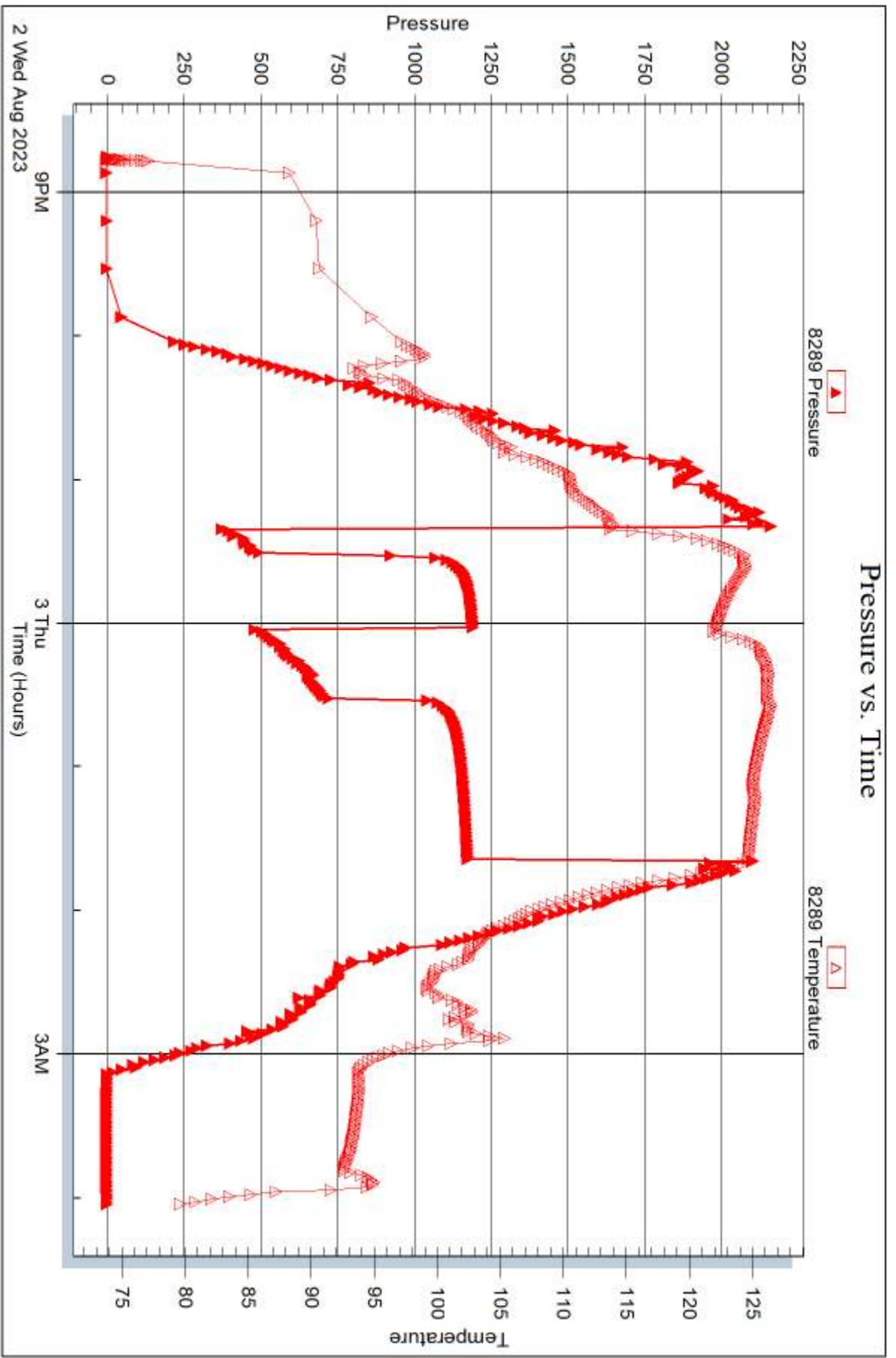
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Serial #: 8289

Outside Dow ning Nelson Oil Co

Lynn Patton #2-30

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 71103

Printed: 2023.08.08 @ 15:08:35



DRILL STEM TEST REPORT

Prepared For: **Downing Nelson Oil Co**

PO Box 1019
Hays KS 67601

ATTN: Marc Downing

Lynn Pelton #2-30

30-20S-20W Pawnee,KS

Start Date: 2023.08.03 @ 05:40:00

End Date: 2023.08.03 @ 13:18:00

Job Ticket #: 71104 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2023.08.08 @ 15:06:37

Downing Nelson Oil Co

30-20S-20W Pawnee,KS

Lynn Pelton #2-30

DST # 2

Mississippi

2023.08.03



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co

30-20S-20W Pawnee,KS

PO Box 1019
Hays KS 67601

Lynn Pelton #2-30

Job Ticket: 71104

DST#: 2

ATTN: Marc Dow ning

Test Start: 2023.08.03 @ 05:40:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:42:30

Time Test Ended: 13:18:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: 4261.00 ft (KB) To 4324.00 ft (KB) (TVD)

Reference Elevations: 2324.00 ft (KB)

Total Depth: 4324.00 ft (KB) (TVD)

2316.00 ft (CF)

Hole Diameter: 7.79 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8355

Inside

Press@RunDepth: 685.08 psig @ 4308.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.08.03

End Date: 2023.08.03

Last Calib.: 1899.12.30

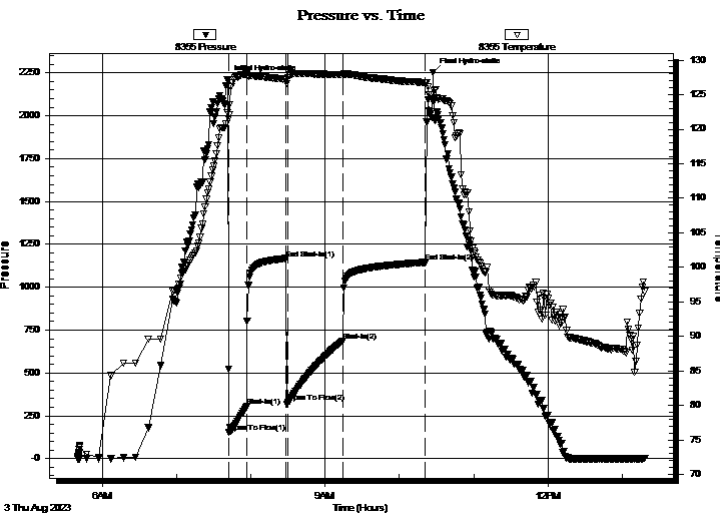
Start Time: 05:40:05

End Time: 13:17:59

Time On Btm: 2023.08.03 @ 07:41:00

Time Off Btm: 2023.08.03 @ 10:27:00

TEST COMMENT: 15-IF: Fair blow BOB in 2 minutes 35seconds built to 52"
30-ISI: No blow back
45-FF: Fair blow BOB in 3 minutes built to 102"
60-FSI: Weak surface blow built to an inch.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2209.13	122.36	Initial Hydro-static
2	155.68	122.06	Open To Flow (1)
16	303.46	127.97	Shut-In(1)
47	1167.26	127.23	End Shut-In(1)
49	326.72	127.46	Open To Flow (2)
93	685.08	127.87	Shut-In(2)
160	1145.30	126.73	End Shut-In(2)
166	2252.93	124.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1134.00	MW 90%W 10%M	15.63
756.00	GOCMW 15%G 30%O 45%W 10%M	10.60
252.00	SMCO 20%M 80%O	3.53

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

Dow ning Nelson Oil Co

30-20S-20W Pawnee,KS

PO Box 1019
Hays KS 67601

Lynn Pelton #2-30

Job Ticket: 71104

DST#: 2

ATTN: Marc Dow ning

Test Start: 2023.08.03 @ 05:40:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:42:30

Time Test Ended: 13:18:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: 4261.00 ft (KB) To 4324.00 ft (KB) (TVD)

Reference Elevations: 2324.00 ft (KB)

Total Depth: 4324.00 ft (KB) (TVD)

2316.00 ft (CF)

Hole Diameter: 7.79 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8289 Outside

Press@RunDepth: psig @ 4308.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.08.03

End Date: 2023.08.03

Last Calib.: 1899.12.30

Start Time: 05:40:01

End Time: 13:17:45

Time On Btm:

Time Off Btm:

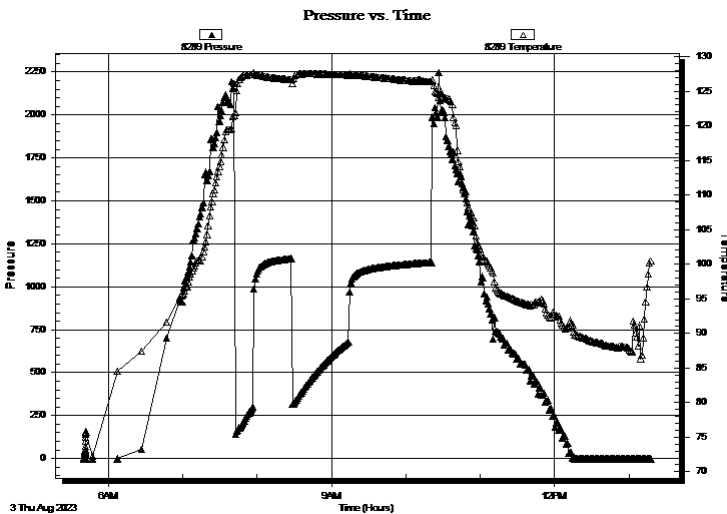
TEST COMMENT: 15-IF: Fair blow BOB in 2 minutes 35seconds built to 52"

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45-FF: Fair blow BOB in 3 minutes built to 102"

60-FSI: Weak surface blow built to an inch.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
1134.00	MW 90%W 10%M	15.63
756.00	GOCMW 15%G 30%O 45%W 10%M	10.60
252.00	SMCO 20%M 80%O	3.53

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

30-20S-20W Pawnee,KS

PO Box 1019
Hays KS 67601

Lynn Pelton #2-30

Job Ticket: 71104

DST#: 2

ATTN: Marc Dow ning

Test Start: 2023.08.03 @ 05:40:00

Tool Information

Drill Pipe:	Length: 4200.00 ft	Diameter: 3.80 inches	Volume: 58.91 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 59.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	4261.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	63.00 ft			
Tool Length:	99.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Change Over Sub	1.00			4226.00	
Shut In Tool	5.00			4231.00	
Hydraulic tool	5.00			4236.00	
Jars	8.00			4244.00	
EM Tool	4.00			4248.00	
Safety Joint	3.00			4251.00	
Packer	5.00			4256.00	36.00 Bottom Of Top Packer
Packer	5.00			4261.00	
Stubb	1.00			4262.00	
Perforations	8.00			4270.00	
Change Over Sub	1.00			4271.00	
Drill Pipe	31.00			4302.00	
Change Over Sub	1.00			4303.00	
Handling Sub	5.00			4308.00	
Recorder	0.00	8355	Inside	4308.00	
Recorder	0.00	8289	Outside	4308.00	
Perforations	13.00			4321.00	
Bullnose	3.00			4324.00	63.00 Bottom Packers & Anchor

Total Tool Length: 99.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil Co

30-20S-20W Pawnee,KS

PO Box 1019
Hays KS 67601

Lynn Pelton #2-30

Job Ticket: 71104

DST#: 2

ATTN: Marc Downing

Test Start: 2023.08.03 @ 05:40:00

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1134.00	MW 90%W 10%M	15.634
756.00	GOCMW 15%G 30%O 45%W 10%M	10.605
252.00	SMCO 20%M 80%O	3.535

Total Length: 2142.00 ft Total Volume: 29.774 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

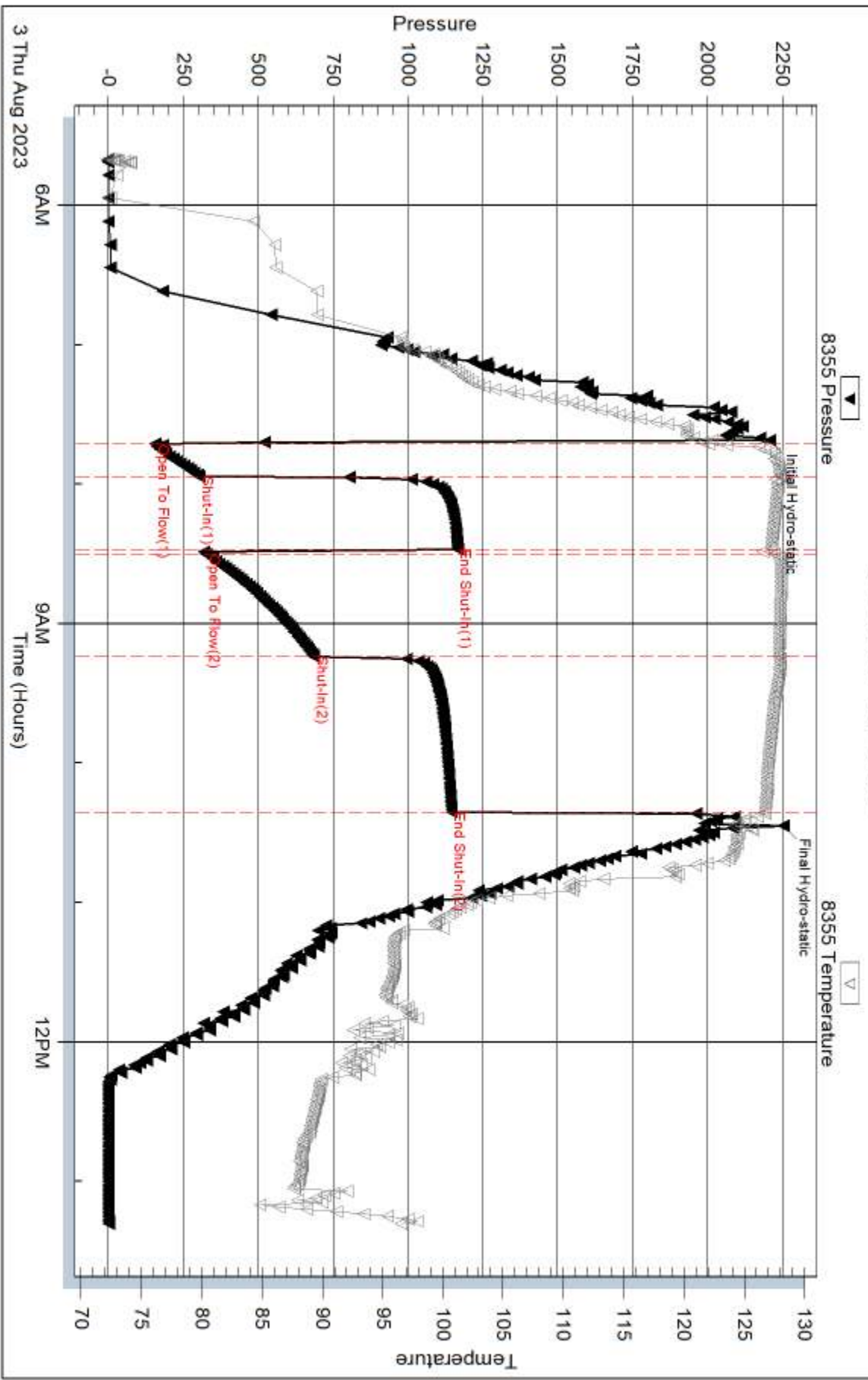
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 120' GIP

Pressure vs. Time

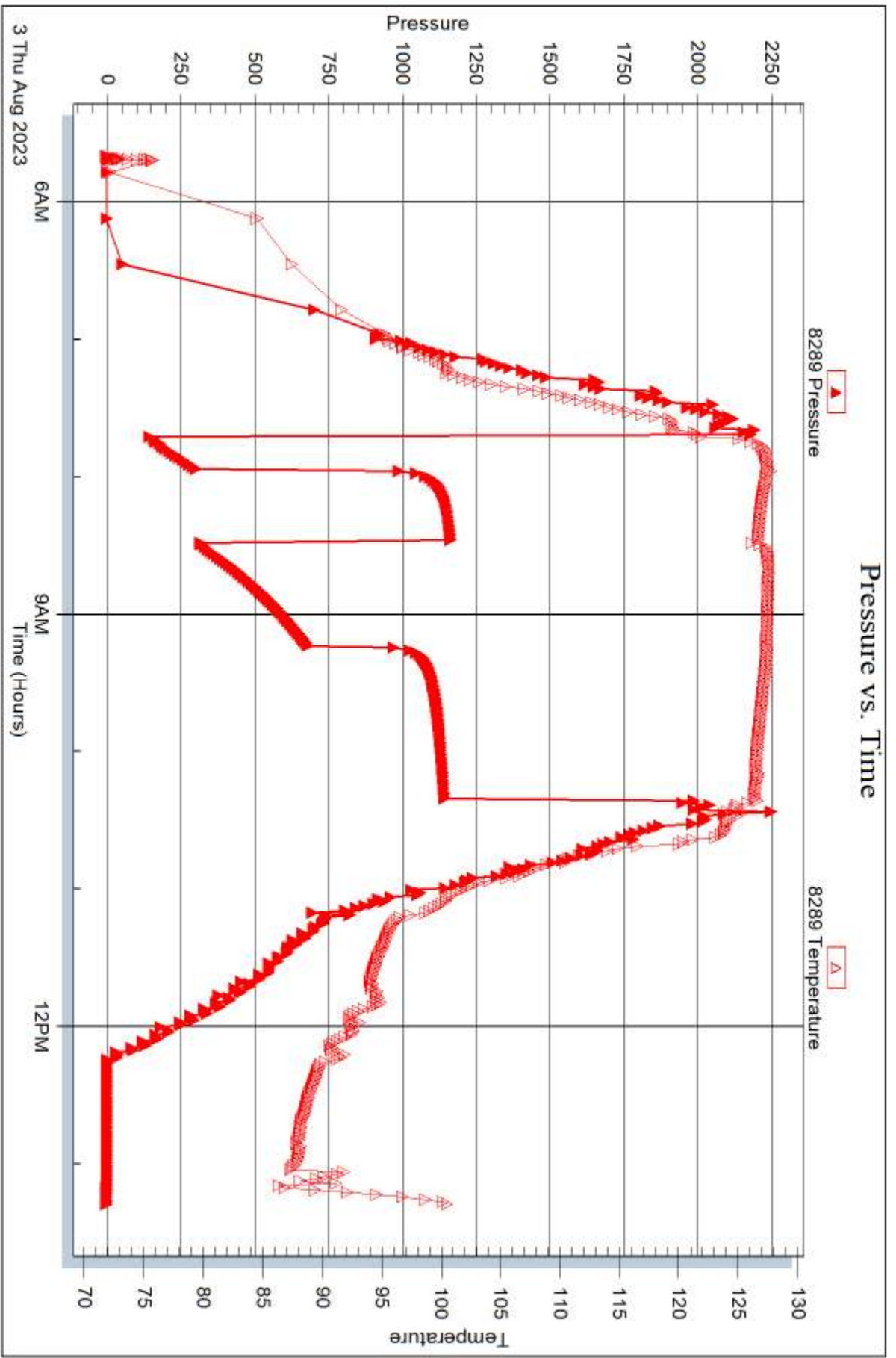


Serial #: 8289

Outside Downing Nelson Oil Co

Lynn Pelton #2-30

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 71104

Printed: 2023.08.08 @ 15:06:38



DRILL STEM TEST REPORT

Prepared For: **Downing Nelson Oil Co**

PO Box 1019
Hays KS 67601

ATTN: Marc Downing

Lynn Pelton #2-30

30-20S-20W Pawnee,KS

Start Date: 2023.08.03 @ 21:56:00

End Date: 2023.08.04 @ 06:00:30

Job Ticket #: 71105 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.08.08 @ 15:01:56

Downing Nelson Oil Co

30-20S-20W Pawnee,KS

Lynn Pelton #2-30

DST # 3

Mississippi

2023.08.03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co

30-20S-20W Pawnee,KS

PO Box 1019
Hays KS 67601

Lynn Pelton #2-30

Job Ticket: 71105

DST#: 3

ATTN: Marc Dow ning

Test Start: 2023.08.03 @ 21:56:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:18:00

Time Test Ended: 06:00:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: 4324.00 ft (KB) To 4336.00 ft (KB) (TVD)

Reference Elevations: 2324.00 ft (KB)

Total Depth: 4336.00 ft (KB) (TVD)

2316.00 ft (CF)

Hole Diameter: 7.79 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8355

Inside

Press@RunDepth: 343.62 psig @ 4330.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.08.03

End Date:

2023.08.04

Last Calib.: 1899.12.30

Start Time: 21:56:05

End Time:

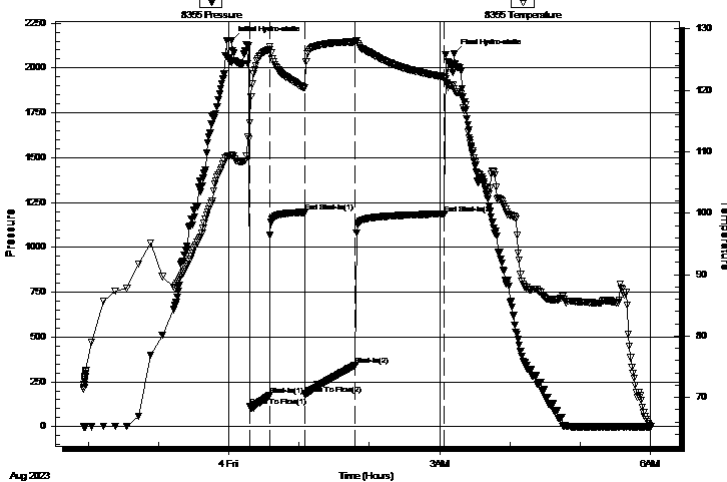
06:00:29

Time On Btm: 2023.08.04 @ 00:02:30

Time Off Btm: 2023.08.04 @ 03:12:00

TEST COMMENT: 15-IF: Strong blow BOB in 5 minutes built to 21"
30-ISI: No blow back
45-FF: Fair blow BOB in 10 minutes built to 38"
60-FSI: Weak blow built to 2.8"

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2153.81	109.40	Initial Hydro-static
16	113.35	114.75	Open To Flow (1)
32	173.58	126.67	Shut-In(1)
62	1195.31	120.42	End Shut-In(1)
63	178.13	120.38	Open To Flow (2)
106	343.62	127.88	Shut-In(2)
182	1187.02	122.15	End Shut-In(2)
190	2077.91	120.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
378.00	OCMW 10%O 10%M 80%W	5.03
242.00	QCWM 30%O 30%W 40%M	3.39
140.00	GCO 10%G 10%M 80%O	1.96

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing Nelson Oil Co

30-20S-20W Pawnee,KS

PO Box 1019
Hays KS 67601

Lynn Pelton #2-30

Job Ticket: 71105

DST#: 3

ATTN: Marc Downing

Test Start: 2023.08.03 @ 21:56:00

Tool Information

Drill Pipe:	Length: 4260.00 ft	Diameter: 3.80 inches	Volume: 59.76 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 59.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4324.00 ft			Final 63500.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4289.00	
Shut In Tool	5.00			4294.00	
Hydraulic tool	5.00			4299.00	
Jars	8.00			4307.00	
EM Tool	4.00			4311.00	
Safety Joint	3.00			4314.00	
Packer	5.00			4319.00	36.00 Bottom Of Top Packer
Packer	5.00			4324.00	
Stubb	1.00			4325.00	
Recorder Carrier	5.00			4330.00	
Recorder	0.00	8355	Inside	4330.00	
Recorder	0.00	8289	Outside	4330.00	
Perforations	3.00			4333.00	
Bullnose	3.00			4336.00	12.00 Bottom Packers & Anchor

Total Tool Length: 48.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning Nelson Oil Co

30-20S-20W Pawnee,KS

PO Box 1019
Hays KS 67601

Lynn Pelton #2-30

Job Ticket: 71105

DST#: 3

ATTN: Marc Dow ning

Test Start: 2023.08.03 @ 21:56:00

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
378.00	OCMW 10%O 10%M 80%W	5.029
242.00	QCWM 30%O 30%W 40%M	3.395
140.00	GCO 10%G 10%M 80%O	1.964

Total Length: 760.00 ft Total Volume: 10.388 bbl

Num Fluid Samples: 0

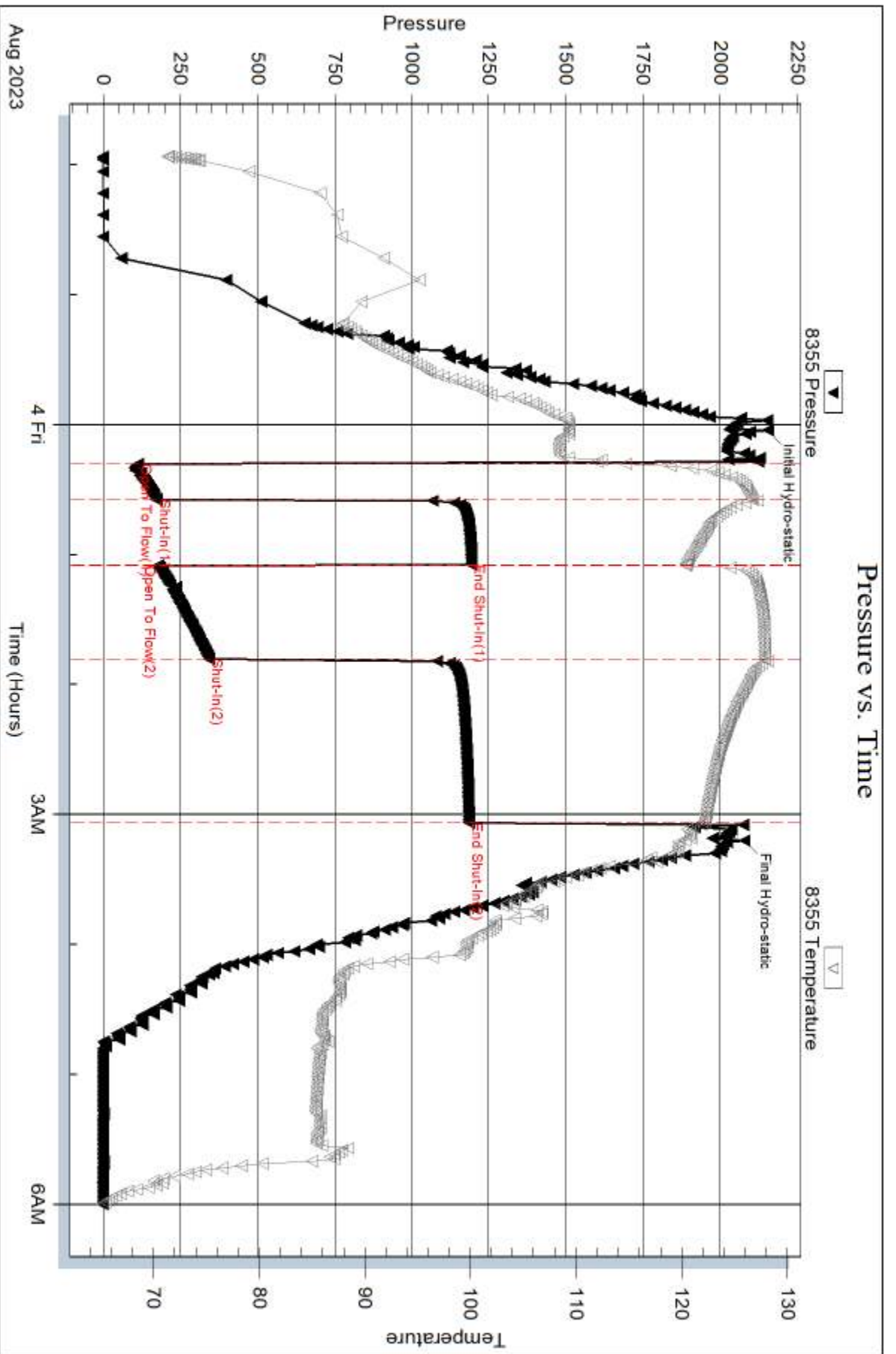
Num Gas Bombs: 0

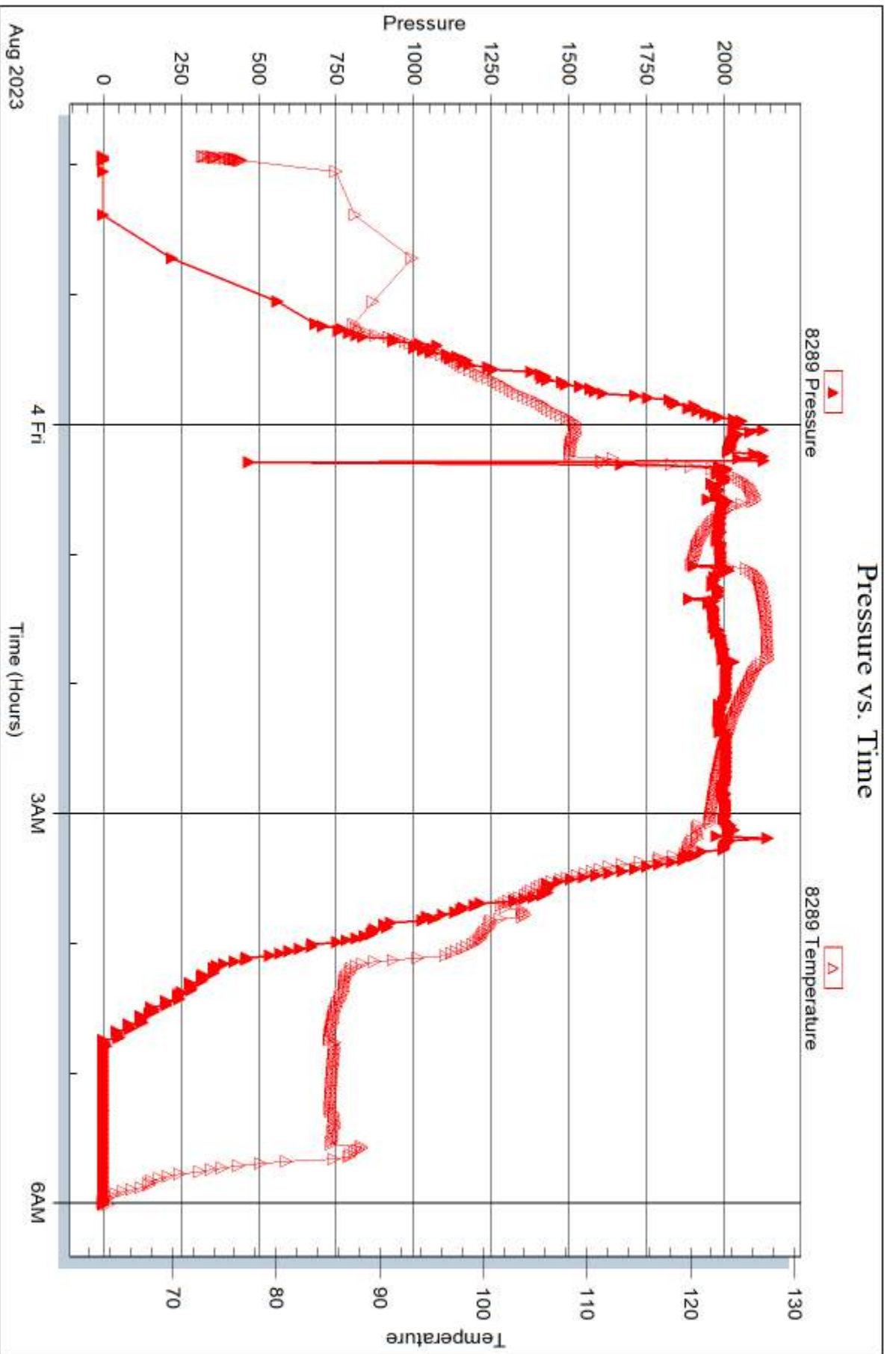
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 120 GIP







DRILL STEM TEST REPORT

Prepared For: **Downing Nelson Oil Co**

PO Box 1019
Hays KS 67601

ATTN: Marc Downing

Lynn Pelton #2-30

30-20S-20W Pawnee,KS

Start Date: 2023.08.04 @ 15:05:00

End Date: 2023.08.04 @ 22:59:00

Job Ticket #: 71106 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.08.08 @ 15:01:00

Downing Nelson Oil Co

30-20S-20W Pawnee,KS

Lynn Pelton #2-30

DST # 4

Mississippi

2023.08.04



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Downing Nelson Oil Co

30-20S-20W Pawnee, KS

PO Box 1019
Hays KS 67601

Lynn Pelton #2-30

Job Ticket: 71106

DST#: 4

ATTN: Marc Downing

Test Start: 2023.08.04 @ 15:05:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:01:30

Time Test Ended: 22:59:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: 4336.00 ft (KB) To 4347.00 ft (KB) (TVD)

Reference Elevations: 2324.00 ft (KB)

Total Depth: 4347.00 ft (KB) (TVD)

2316.00 ft (CF)

Hole Diameter: 7.79 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8355

Inside

Press@RunDepth: 346.35 psig @ 4342.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.08.04

End Date:

2023.08.04

Last Calib.:

1899.12.30

Start Time: 15:05:05

End Time:

22:58:59

Time On Btm:

2023.08.04 @ 17:01:00

Time Off Btm:

2023.08.04 @ 19:51:00

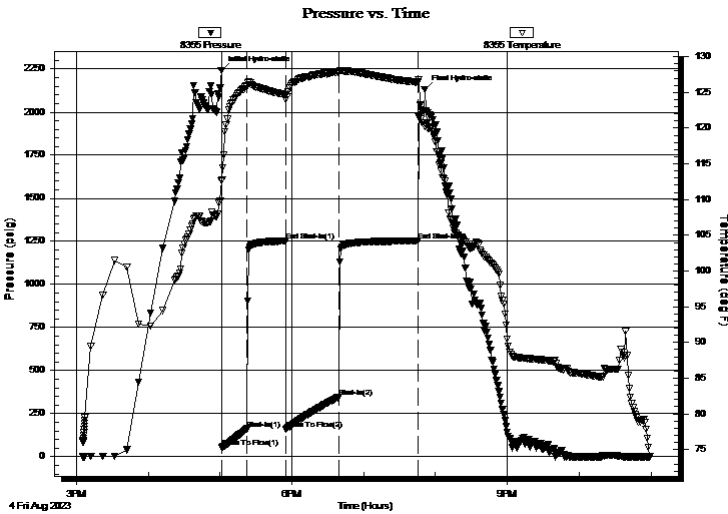
TEST COMMENT: IF: Strong blow BOB in 9 minutes built to 24"

IS: Very weak surface blow

FF: Weak surface blow built to 40"

FS: Weak surface blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2242.05	112.66	Initial Hydro-static
1	53.48	112.74	Open To Flow (1)
22	161.65	125.84	Shut-In(1)
54	1252.25	124.69	End Shut-In(1)
54	159.55	123.98	Open To Flow (2)
98	346.35	127.85	Shut-In(2)
164	1252.79	126.43	End Shut-In(2)
170	2131.69	120.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
693.00	MW 5%M 95%W	9.45
100.00	OCMW 5%O 5%M 90%W	1.40

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing Nelson Oil Co

30-20S-20W Pawnee,KS

PO Box 1019
Hays KS 67601

Lynn Pelton #2-30

Job Ticket: 71106

DST#: 4

ATTN: Marc Downing

Test Start: 2023.08.04 @ 15:05:00

Tool Information

Drill Pipe:	Length: 4285.00 ft	Diameter: 3.80 inches	Volume: 60.11 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.26 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	4336.00 ft			Final 62500.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	47.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4301.00	
Shut In Tool	5.00			4306.00	
Hydraulic tool	5.00			4311.00	
Jars	8.00			4319.00	
EM Tool	4.00			4323.00	
Safety Joint	3.00			4326.00	
Packer	5.00			4331.00	36.00 Bottom Of Top Packer
Packer	5.00			4336.00	
Stubb	1.00			4337.00	
Handling Sub	5.00			4342.00	
Recorder	0.00	8355	Inside	4342.00	
Recorder	0.00	8289	Outside	4342.00	
Perforations	2.00			4344.00	
Bullnose	3.00			4347.00	11.00 Bottom Packers & Anchor

Total Tool Length: 47.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil Co

30-20S-20W Pawnee,KS

PO Box 1019
Hays KS 67601

Lynn Pelton #2-30

Job Ticket: 71106

DST#: 4

ATTN: Marc Downing

Test Start: 2023.08.04 @ 15:05:00

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
693.00	MW 5%M 95%W	9.448
100.00	OCMW 5%O 5%M 90%W	1.403

Total Length: 793.00 ft

Total Volume: 10.851 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 20' GIP

Serial #: 8355

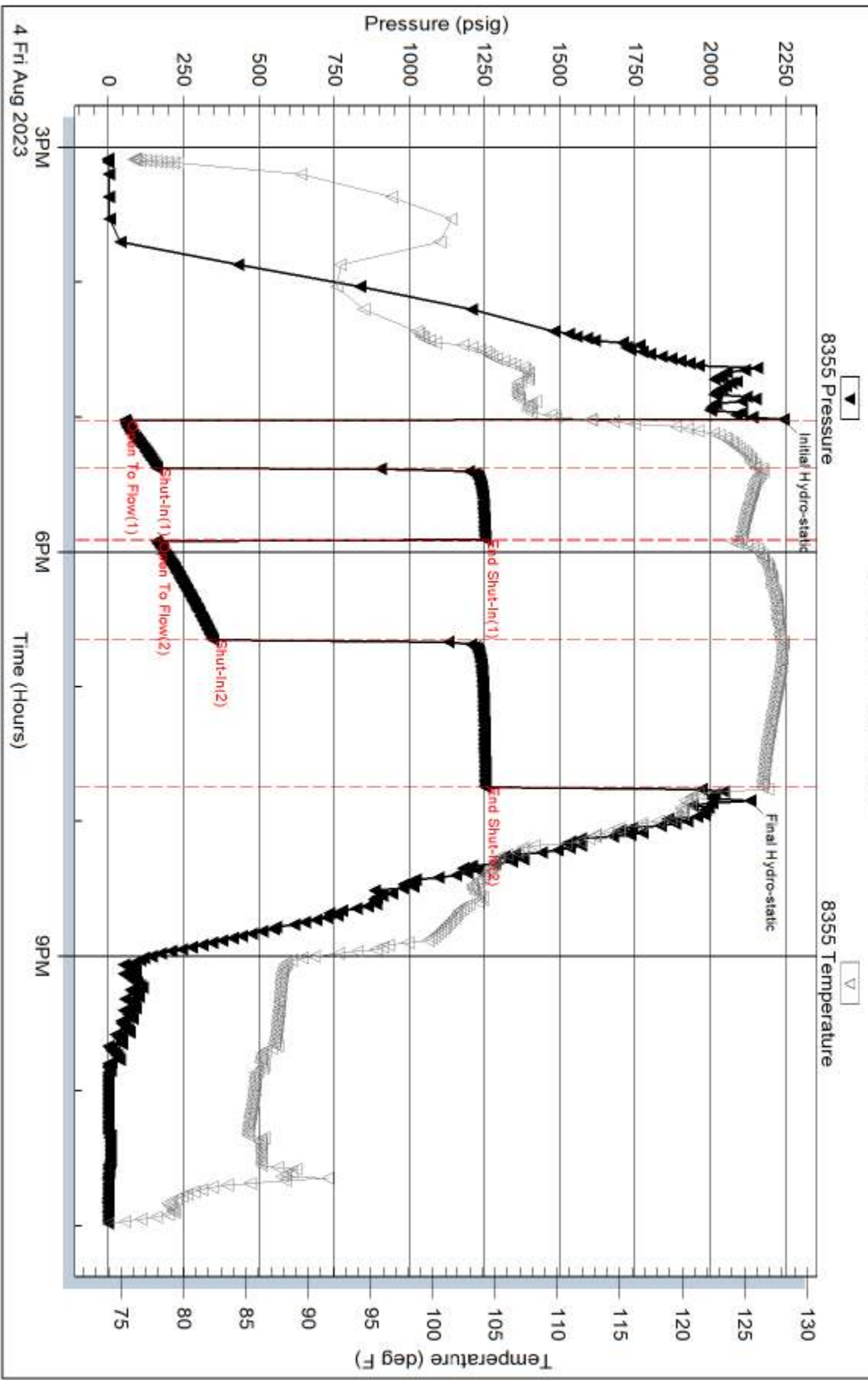
Inside

Downing Nelson Oil Co

Lynn Pelton #2-30

DST Test Number: 4

Pressure vs. Time

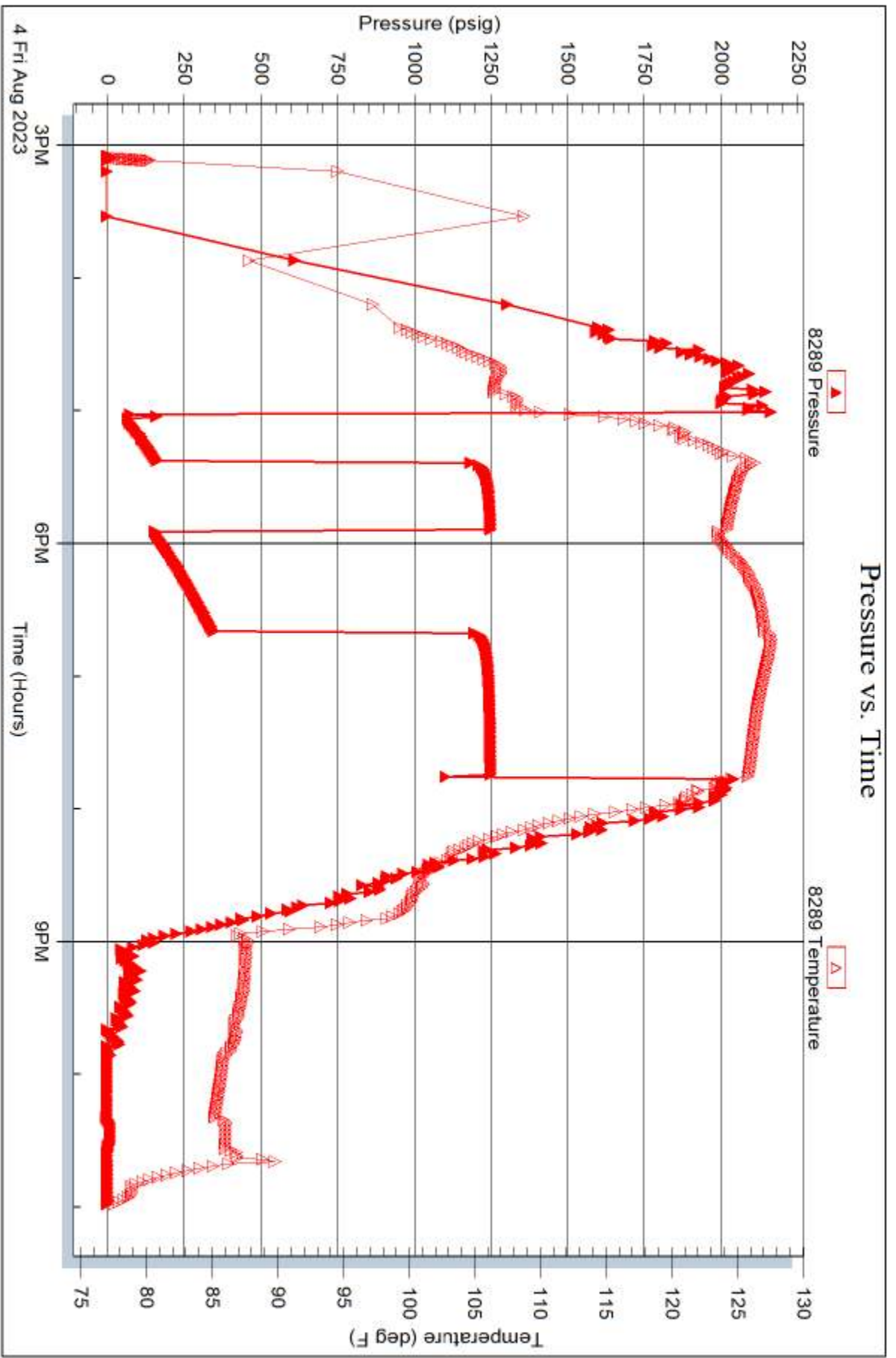


Serial #: 8289

Outside Dow ning Nelson Oil Co

Lynn Pelton #2-30

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 71106

Printed: 2023.08.08 @ 15:01:01



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 71103

Well Name & No. Lynn Pelton #2-30 Test No. 1 Date 8-2-23
 Company DNOCL Elevation 2324 KB 2312 GL
 Address PO BOX 1019 Hays KS 67601
 Co. Rep / Geo Marc Dunning Rig Discovery
 Location: Sec. 39 Twp 20S Rge. 20W Co. Lawrence State KS

Interval Tested 4262-4324 Zone Tested Mississippi
 Anchor Length 62 Drill Pipe Run 4200 Mud Wt. 9.1
 Top Packer Depth 4257 Drill Collars Run 30 Vis 46
 Bottom Packer Depth 4262 Wt. Pipe Run 0 WL 10.4
 Total Depth 4324 Chlorides 7000 ppm System LCM 3/4 A

Blow Description IF: Fair play BOB in 3 minutes built to 34"
IS: No blow back
FF: Fair play BOB in 4 minutes built to 64"
FS: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>OC MW</u>	<u>0</u>	<u>20</u>	<u>60</u>	<u>20</u>
<u>1000</u>	<u>empty</u>				
<u>360</u>	<u>MUDY WATER</u>	<u>0</u>	<u>0</u>	<u>60</u>	<u>40</u>

Rec Total 1480 BHT 126.7 Gravity N/A API RW 355 @ 75 °F Chlorides 17000 ppm
 Initial Hydrostatic 2191 Test 1500 Ruined Shale Packer
 Initial Flow 360 to 473 Bars 300 Ruined Packer
 Initial Shut-In 1191 Circ Sub Hotel
 Final Flow 485 to 708 Hourly Standby EM Tool Successful Started over 15m after FF
 Final Shut-In 1177 Mileage 53 92.75 Accessibility -175
 Final Hydrostatic 2088 Sampler Gas Sample
 T-On Location 2000 Straddle Oversized Hole
 Initial Flow 10 T-Started 21:40 Shale Packer Sub Total -175
 Initial Shut-In 30 T-Open 22:20 Extra Packer Total 1717.75
 Final Flow 30 T-Pulled 01:33 Extra Recorder Tool Loaded
 Final Shut-In 60 T-Out 04:00 Day Standby MP/DST Disc't

Comments Batts @ 2045
ENO 2048 Hole in sub - Pen Busted

Approved By _____ Our Representative Richi Samora

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. 71104

Well Name & No. Lynn Pelton #2-30 Test No. 2 Date 8-3-23
 Company DNOC Elevation 2324 KB 236 GL
 Address PO BOX 1019 Hays KS 67601
 Co. Rep / Geo Marc Dunning Rig Discovery 4
 Location: Sec. 30 Twp 20S Rge. 20W Co. Pawnee State KS

Interval Tested 4261-4324 Zone Tested Mississippi
 Anchor Length 63' Drill Pipe Run 4200 Mud Wt. 9.1
 Top Packer Depth 4256 Drill Collars Run 30 Vis 46
 Bottom Packer Depth 4261 Wt. Pipe Run 0 WL 10.4
 Total Depth 4324 Chlorides 7000 ppm System LCM 3/4#

Blow Description IF: Fair blow BOB in 2 minutes 35 seconds built to 52"
151: No blowback
FE: Fair blow BOB in 3 minutes built to 102"
FSL: Weak surface blow built to 1 inch

Rec	Feet of	%gas	%oil	%water	%mud
<u>134</u>	<u>MW</u>	<u>0</u>	<u>0</u>	<u>90</u>	<u>10</u>
<u>756</u>	<u>GOCMW</u>	<u>15</u>	<u>30</u>	<u>45</u>	<u>10</u>
<u>252</u>	<u>SMCO</u>	<u>0</u>	<u>80</u>	<u>0</u>	<u>20</u>
<u>120</u>	<u>G-IP</u>				

Rec Total 2142 BHT 128 Gravity 44 API RW 350 @ 75 *F Chlorides 19000 ppm
 Initial Hydrostatic 2209 Test 1950 Ruined Shale Packer
 Initial Flow 156 to 303 Jars 300 Ruined Packer
 Initial Shut-In 1167 Circ Sub Hotel
 Final Flow 327 to 685 Hourly Standby EM Tool Successrit -350
 Final Shut-In 1145 Mileage Accessibility
 Final Hydrostatic 2253 Sampler Gas Sample

T-On Location _____
 Initial Flow 15 T-Started 6:00 Straddle _____ Oversized Hole _____
 Initial Shut-In 30 T-Open 7:43 Shale Packer _____ Sub Total -350
 Final Flow 45 T-Pulled 10:15 Extra Packer _____ Total 1900
 Final Shut-In 60 T-Out 13:20 Extra Recorder _____ Tool Loaded @ _____
 Comments 2 BHs @ 540 Day Standby _____ MP/DST Disc't _____
EM @ 545

Approved By _____ Our Representative Richard J. ...

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. 71105

Well Name & No. Lynn Pelton #2-30 Test No. 3 Date 8-3-23
 Company DNOCI Elevation 2324 KB 2316 GL
 Address PO BOX 1019 Hays KS 67601
 Co. Rep / Geo Marc Dawkins Rig Discovery 4
 Location: Sec. 30 Twp 20S Rge. 20W Co. Pawnee State KS

Interval Tested 4324-4336 Zone Tested Mississippi
 Anchor Length 12' Drill Pipe Run 4260 Mud Wt. 9.2
 Top Packer Depth 4319 Drill Collars Run 30 Vis 60
 Bottom Packer Depth 4324 Wt. Pipe Run 0 WL 10
 Total Depth 4336 Chlorides 8000 ppm System LCM 1.5 #

Blow Description IF: Strong Blow BOB in 5 minutes built to 21"
151: No Blow Back
FF: Feij Blow BOB in 10 minutes Built to 38"
FSD: Weak Blow built to 2.75"

Rec	Feet of	%gas	%oil	%water	%mud
<u>378</u>	<u>OC MW</u>	<u>0</u>	<u>10</u>	<u>80</u>	<u>10</u>
<u>242</u>	<u>OC MW</u>	<u>0</u>	<u>30</u>	<u>30</u>	<u>40</u>
<u>190</u>	<u>CGO</u>	<u>10</u>	<u>80</u>	<u>0</u>	<u>10</u>
	<u>120 GIP</u>				

Rec Total 7600 BHT 128.1 Gravity 38 APLRW 37 @ 75 °F Chlorides 15,000 ppm
 Initial Hydrostatic 2154 Test 1950 Ruined Shale Packer
 Initial Flow 113 to 174 Jars 300 Ruined Packer
 Initial Shut-In 1195 Circ Sub Hotel
 Final Flow 178 to 344 Hourly Standby EM Tool Successful -350
 Final Shut-In 1187 Mileage 31 62rt 108.50 Accessibility
 Final Hydrostatic 2078 Sampler Gas Sample
 T- On Location 2140 Straddle Oversized Hole
 Initial Flow 15 T-Started 2215 Shale Packer Sub Total -350
 Initial Shut-In 30 T-Open 0:19 Extra Packer Total 2008.50
 Final Flow 45 T-Pulled 2:53 Extra Recorder Tool Loaded @
 Final Shut-In 60 T-Out 6:15 Day Standby MP/DST Disc't

Comments Back 2156

Approved By _____ Our Representative Richie Samson

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. 71106

Well Name & No. Lynn Pelton #2-30 Test No. 4 Date 8-4-23
 Company DNOCT Elevation 2324 KB 2316 GL
 Address PO BOX 1019 Hays KS 67601
 Co. Rep / Geo Marc Downing Rig Discovery 4
 Location: Sec. 30 Twp 20S Rge. 20W Co. Pownee State KS

Interval Tested 4336-4347 Zone Tested Mississippi
 Anchor Length 11' Drill Pipe Run 4285 Mud Wt. 9.2
 Top Packer Depth 4331 Drill Collars Run 30 Vis 40
 Bottom Packer Depth 4336 Wt. Pipe Run 0 WL 10
 Total Depth 4347 Chlorides 9000 ppm System LCM 1.5

Blow Description 1F. Strong blow BOB in 9 minutes Rotted 24"
151' Very weak surface blow
FFI weak surface blow BOB in 12 minutes Reached 40"
ESI weak surface blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>693</u>	<u>mw</u>	<u>0</u>	<u>0</u>	<u>95</u>	<u>5</u>
<u>100</u>	<u>00 MW</u>	<u>0</u>	<u>5</u>	<u>90</u>	<u>5</u>
	<u>20' GIP</u>				

Rec Total 793 BHT 125 Gravity NA API RW 31L @ 25.1 *F Chlorides 29000 ppm
 Initial Hydrostatic 2242 Test 1950 Ruined Shale Packer
 Initial Flow 53 to 16.2 Jars 300 Ruined Packer
 Initial Shut-In 1252 Circ Sub Hotel
 Final Flow 16.0 to 34.6 Hourly Standby EM Tool Successful Diag. not go in
 Final Shut-In 1253 Mileage 31 108.50 + 92.75 Accessibility -350 Simplex
 Final Hydrostatic 2132 Sampler Gas Sample But worked
 Straddle Oversized Hole

T-On Location 1500 Shale Packer Sub Total -350
 Initial Flow 15 T-Started 15:20 Extra Packer Total 2101.25
 Initial Shut-In 30 T-Open 17:02 Extra Recorder Tool Loaded UP @ 0.35
 Final Flow 45 T-Pulled 19:41 Day Standby MP/DST Disc't
 Final Shut-In 60 T-Out 22:45
 Comments Batts @ 1505

Approved By _____ Our Representative Richard Smith

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.

Marc A. Downing
Consulting Petroleum Geologist

Geologic Report
Drilling Time and Sample Log

Operator Downing-Nelson Oil Co., Inc.		Elevation KB 2180 DF 2178 GL 2172	
Lease Lynn Pelton No. 2-30		Casing Record Surface 8 5/8" @ 1190' Production 5 1/2" @ 4346'	
API # 15-145-21890-0000		Electrical Surveys CNDL, DIL, MEL	
Field Steffen			
Location 2247' FSL & 1356' FEL			
Sec. 30	Twp. 20s	Rge. 20w	
County Pawnee		State Kansas	
Formation	Sample tops	Log Tops	Datum
Top Anhydrite	1356	1353	+827
Base Anhydrite	1384	1377	+803
Herrington		2292	-112
Heebner	3696	3696	-1516
LKC	3745	3745	-1565
BKC	4060	4060	-1880
Fort Scott	4251	4251	-2071
Cherokee Sh	4265	4264	-2084
Miss	4318	4316	-2136
Osage	4345	NA	-2165
Total Depth	4347	4344 (fill?)	-2167
Reference Well For Structural Comparison DNOCI - Lynn Pelton #1-30		1680' FSL & 1910' FEL Sec. 30-20s-20w	

Commenced **7-27-23** Completed **8-4-23**
 Samples Saved From **3700** To **RTD**
 Drilling Time Kept From **3600** To **RTD**
 Samples Examined From **3700** To **RTD**
 Geological Supervision From **3700** To **RTD**

Summary and Recommendations
 Due to structural position, DST recovery, and log evaluation, it was decided to set 5 1/2" production casing for completion.

Respectfully Submitted,
 Marc A. Downing

ROCK TYPES
 shale, gry shale, red Carbon Sh

ACCESSORIES
 shale, gry Limestone green shale tan shale Carb shale

MINERAL
 Chert White

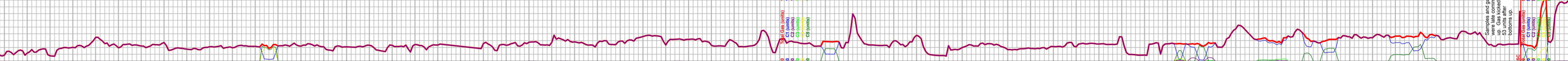
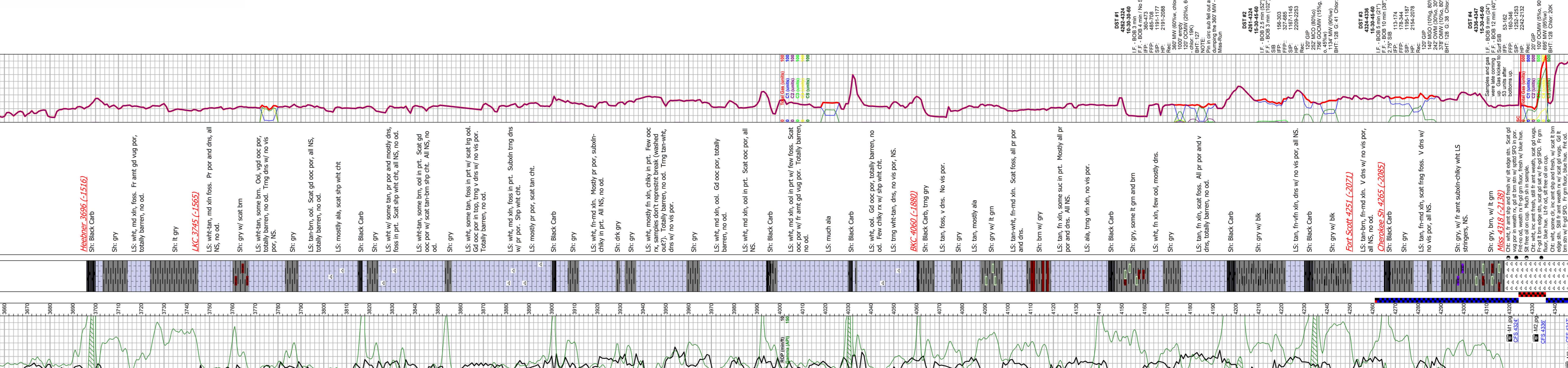
OIL SHOWS
 CHT Scattered Sin 50 - 75 %
 Scattered Sin 25 - 50 %
 Scattered Sin 1 - 25 %
 Questionable Sin
 Dead Oil Sin
 Fluorescence

MISC
 Daily Report
 Digital Photo
 Document
 Folder
 Link
 Vertical Log File
 Horizontal Log File
 Core Log File
 Drill Cuttings Rpt

OTHER SYMBOLS
 DST
 DST Int
 DST alt
 Core
 tail pipe

STRINGER
 shale, gry shale, red Carbon Sh

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsl.ca)



Comment
 Heebner 3696 (-1516)
 LKC 3745 (-1565)
 Fort Scott 4251 (-2071)
 Cherokee Sh 4265 (-2085)
 DST #1 4262-4324
 DST #2 4261-4324
 DST #3 4244-4318
 DST #4 4318-4347
 DST #5 4318-4347
 DST #6 4318-4347
 DST #7 4318-4347
 DST #8 4318-4347
 DST #9 4318-4347
 DST #10 4318-4347
 DST #11 4318-4347
 DST #12 4318-4347
 DST #13 4318-4347
 DST #14 4318-4347
 DST #15 4318-4347
 DST #16 4318-4347
 DST #17 4318-4347
 DST #18 4318-4347
 DST #19 4318-4347
 DST #20 4318-4347