

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)*

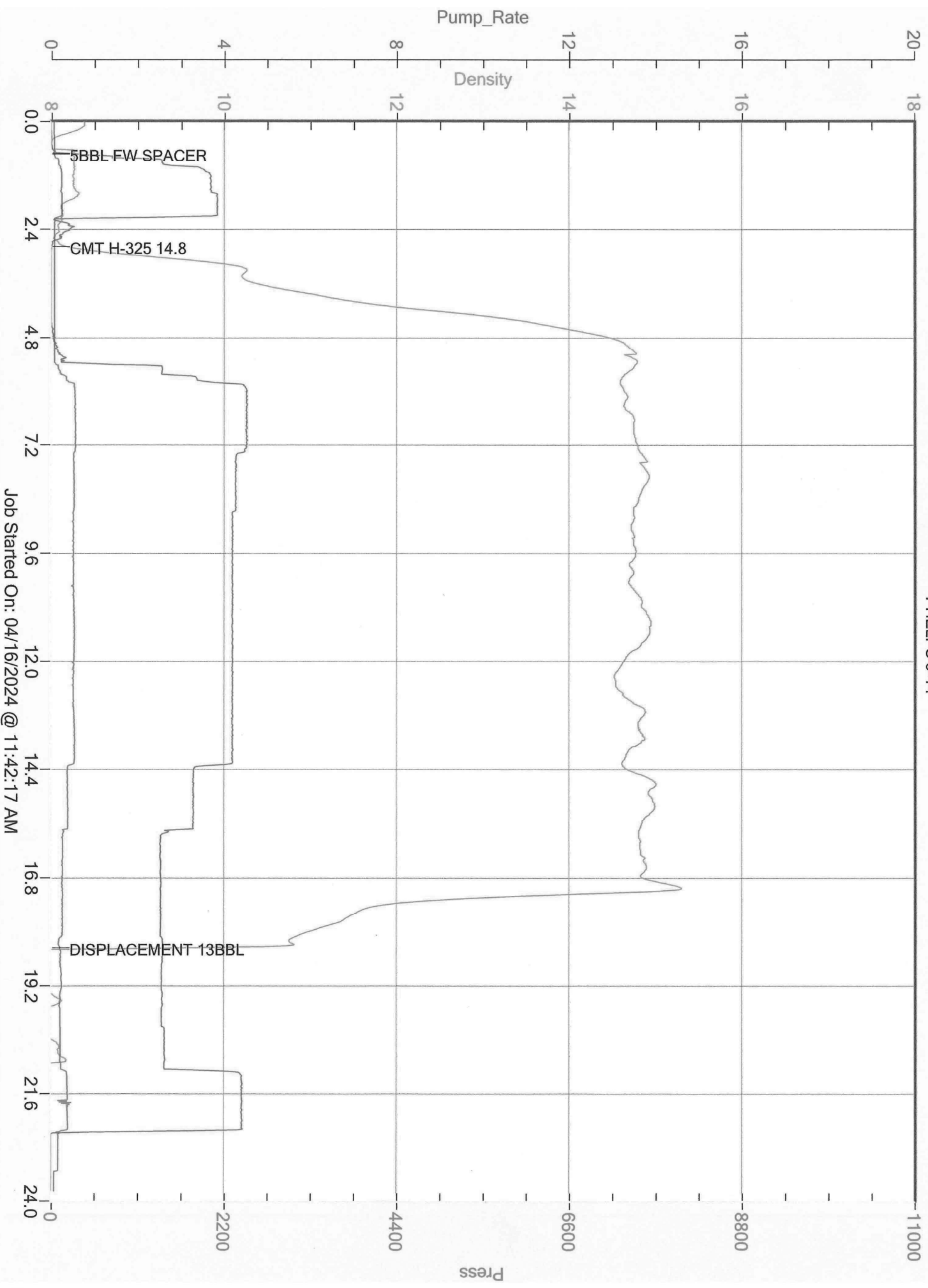
Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water 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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PIONEER OIL CO
PHELPS 9-14



Job Started On: 04/16/2024 @ 11:42:17 AM

Murfin Morning Report

Operator Pioneer Oil Co.		Murfin Rig# 21		Tool Pusher Juan Tinoco							
Well Name/No Phelps #9-14		API# 15-109-21670		Well Code #							
Legal Desc 2258 FSL 880 FEL 14-14S-34W		County Logan		State KS							
DC's (# & Size) 18 6 1/4		CkDate		Drill Pipe Jts							
Make Pump DB 550 DB 550		Liner & Stroke 6x16 6x16		Spud 7:30AM 4/16/2024							
Approx. TD 4,700		Elevation 3,003		G.L. 3,014							
Miles Moved		Cost \$		Hrs							
				Trucks							
				Rig Rls 6:15AM 4/25/2024							
Fuel		3,469	2,978	2,504	1,938	1,446	975	1,655	1,308	1,106	
Date	4/15/24	04/16/24	04/17/24	04/18/24	04/19/24	04/20/24	04/21/24	04/22/24	04/23/24	04/24/24	04/25/24
Current Activity	MIRT	Spud in	Drlg	Drlg	Drlg	Drlg	TIH	TIH w/.#2	DST	CTCH	RDRT
Depth			860	2,640	3,565	4,040	4,160	4,375	4,475	4,680	4,680
Ft. Cut			860	1,780	925	475	120	215	100	205	0
D.T.					2 3/4bit				1 Drwks		
D.T.					3/4 pipe						
C.T.			10	1/2	5	5	18	13 1/4	16 1/2	11	23 1/4
Bit Wt.			4	8	36	38	38	38	38	40	
RPM			95	95	75	75	75	75	75	75	
Pressure			600	800	800	800	800	850	850	900	
SPM			60	60	60	60	60	60	60	60	
Accum Mud Cost			1,545			14,769	14,769	16,060	16,060	17,666	17,666
Mud Wt.			9.0	9.5	8.7	9.1	9.1	9.1	9.1	9.2	
Viscosity			30	30	65	53	53	53	54	53	
Water Loss						7.8		8.8	9.6	8.0	
Clorides						4,000		5,000	5,400	3,000	
L.C.M. & P.H.				1#	4#	4#	4#	2#	2#	2#	
Dev. Sur.			.3@224	.3@1210	.2@		.0@4160				
				.8@2415	3500						
ACC Bit Hours			10	33	2 1/2	21 1/2	27 1/2	37 1/4	43 1/4	53 1/4	53 1/4
Formation			SH	SH	SH	Sh&Lm	LKC	Marm	Ft Scott	Miss	Plugged
Weather			PC	Windy	PC	Rain	Pc	PC	PC	PC	PC
No	Size	Mfg	Type	Out	Ft	Hrs	Cum Hrs	P-R ate	Serial #	Tops	
1	12 1/4	Smith	Miltooth	224	224	2 1/2	2 1/2	90	RD5560	Anhydrite	
1	7 7/8	Smith	X516	3,500	3,276	46 1/4	48 3/4	71	SN5988	2406-2426	
2	7 7/8	Smith	F27	4,680	1,180	53 1/4	102	22	RP5695		
Bit totals and overall penetration rate average				4,680	102		46				
Depth	Size	Sacks	Cement Material			Plug Down		Drilled Out		Remarks	
224	8 5/8	180	H325			12:00PM 4/16/24		8:30PM 4/16/24		By HS circ to cellar	
No	Zone	Interval	Open	Shut	Open	Shut	Recovery				
1	D-E	4062-4160	30	60	30	60	280' mud				
2	Marm	4242-4275	30	60	30	60	10' CGO 400' OCM				
3	Ft Scott	4394-4475	30	60	30	60	5' mud				
Surface Casing	Jts 5	Wt 23	Tally 210.44		Production Casing		Jts	Wt	Tally		
Logging Co	ELI	LTD	4681	Start 9:15AM	4/24/2024	Complete 12:45PM	4/24/2024				
Comments:	Lost Circ @ 3342 Approx 50 bbl						Water Info:				
50 sks @ 2420	Plugged by HS w/ 255 sks poz 4%gel										
100 sks @ 1300	From 11:00PM 4/24/24 to 2:15AM 4/25/24										
50 sks @ 370	Orders from KCC										
10 sks @ 40											
30 RH 15 MH											
Accidents:											



DRILL STEM TEST REPORT

Prepared For: **Pioneer Oil Co, Inc**

PO Box 237
Vincennes, IN 47591

ATTN: Rod Anderson

Phelps #9-14

14 14s 34w Logan KS

Start Date: 2024.04.20 @ 21:18:00

End Date: 2024.04.21 @ 05:22:15

Job Ticket #: 71826 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.04.25 @ 09:26:25



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Pioneer Oil Co, Inc

14 14s 34w Logan KS

PO Box 237
Vincennes, IN 47591

Phelps #9-14

Job Ticket: 71826

DST#: 1

ATTN: Rod Anderson

Test Start: 2024.04.20 @ 21:18:00

GENERAL INFORMATION:

Formation: **LKC- D-E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:04:45

Time Test Ended: 05:22:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 85

Interval: 4062.00 ft (KB) To 4160.00 ft (KB) (TVD)

Reference Elevations: 3014.00 ft (KB)

Total Depth: 4160.00 ft (KB) (TVD)

3003.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8319

Inside

Press@RunDepth: 161.81 psig @ 4063.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.04.20

End Date:

2024.04.21

Last Calib.:

2024.04.21

Start Time: 21:23:05

End Time:

05:27:14

Time On Btm:

2024.04.21 @ 00:04:15

Time Off Btm:

2024.04.21 @ 03:10:00

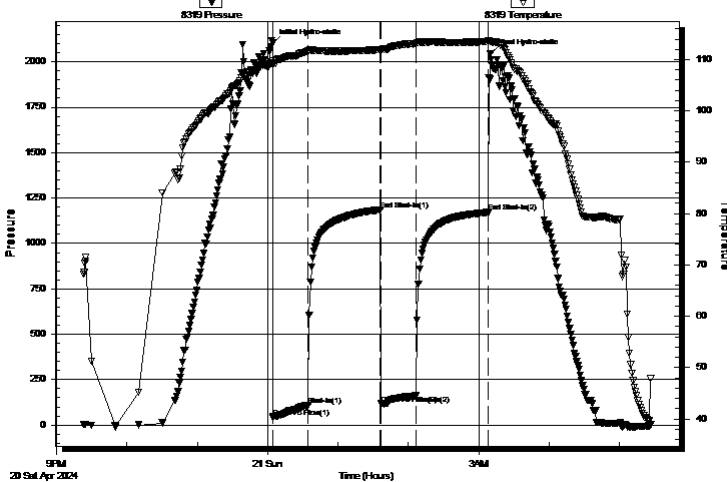
TEST COMMENT: IF: 5 1/4" blow .

IS: No return.

FF: 4" blow .

FS: No return. 30-60-30-60

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2102.35	109.73	Initial Hydro-static
1	41.67	109.24	Open To Flow (1)
31	109.46	111.64	Shut-In(1)
92	1184.63	111.94	End Shut-In(1)
93	116.61	111.84	Open To Flow (2)
123	161.81	113.19	Shut-In(2)
184	1171.66	113.50	End Shut-In(2)
186	2043.92	113.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
280.00	Mud 100m (oil spots in tool)	1.74

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Pioneer Oil Co, Inc

14 14s 34w Logan KS

PO Box 237
Vincennes, IN 47591

Phelps #9-14

Job Ticket: 71826

DST#: 1

ATTN: Rod Anderson

Test Start: 2024.04.20 @ 21:18:00

GENERAL INFORMATION:

Formation: **LKC- D-E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:04:45

Time Test Ended: 05:22:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 85

Interval: 4062.00 ft (KB) To 4160.00 ft (KB) (TVD)

Reference Elevations: 3014.00 ft (KB)

Total Depth: 4160.00 ft (KB) (TVD)

3003.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8874 Outside

Press@RunDepth: psig @ 4063.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.04.20

End Date:

2024.04.21

Last Calib.:

2024.04.21

Start Time: 21:23:05

End Time:

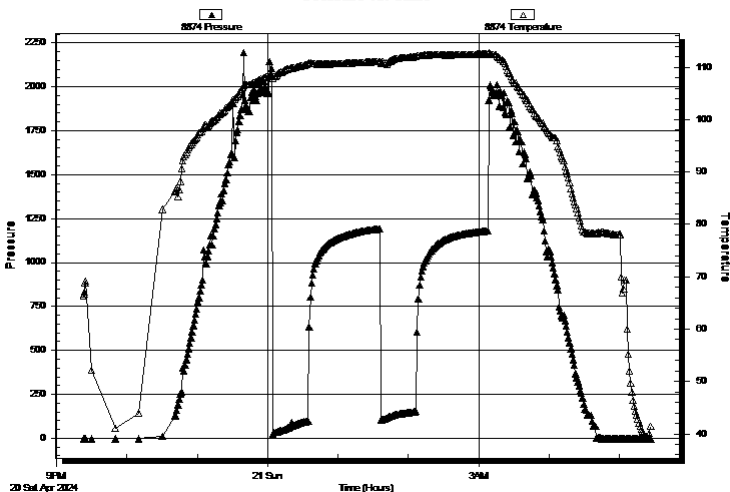
05:27:14

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 5 1/4" blow .
IS: No return.
FF: 4" blow .
FS: No return. 30-60-30-60

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
280.00	Mud 100m (oil spots in tool)	1.74

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pioneer Oil Co, Inc

14 14s 34w Logan KS

PO Box 237
Vincennes, IN 47591

Phelps #9-14

Job Ticket: 71826

DST#: 1

ATTN: Rod Anderson

Test Start: 2024.04.20 @ 21:18:00

Tool Information

Drill Pipe:	Length: 3802.00 ft	Diameter: 3.80 inches	Volume: 53.33 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 54.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4062.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	98.00 ft			
Tool Length:	128.00 ft			
Number of Packers:	2	Diameter: 675.00 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4033.00	
Shut In Tool	5.00			4038.00	
Hydraulic tool	5.00			4043.00	
Jars	5.00			4048.00	
EM Tool	3.00			4051.00	
Safety Joint	2.00			4053.00	
Packer	5.00			4058.00	30.00 Bottom Of Top Packer
Packer	4.00			4062.00	
Stubb	1.00			4063.00	
Recorder	0.00	8319	Inside	4063.00	
Recorder	0.00	8874	Outside	4063.00	
Perforations	29.00			4092.00	
Change Over Sub	1.00			4093.00	
Drill Pipe	63.00			4156.00	
Change Over Sub	1.00			4157.00	
Bullnose	3.00			4160.00	98.00 Bottom Packers & Anchor
Total Tool Length:	128.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pioneer Oil Co, Inc

14 14s 34w Logan KS

PO Box 237
Vincennes, IN 47591

Phelps #9-14

Job Ticket: 71826

DST#: 1

ATTN: Rod Anderson

Test Start: 2024.04.20 @ 21:18:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
280.00	Mud 100m (oil spots in tool)	1.741

Total Length: 280.00 ft Total Volume: 1.741 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

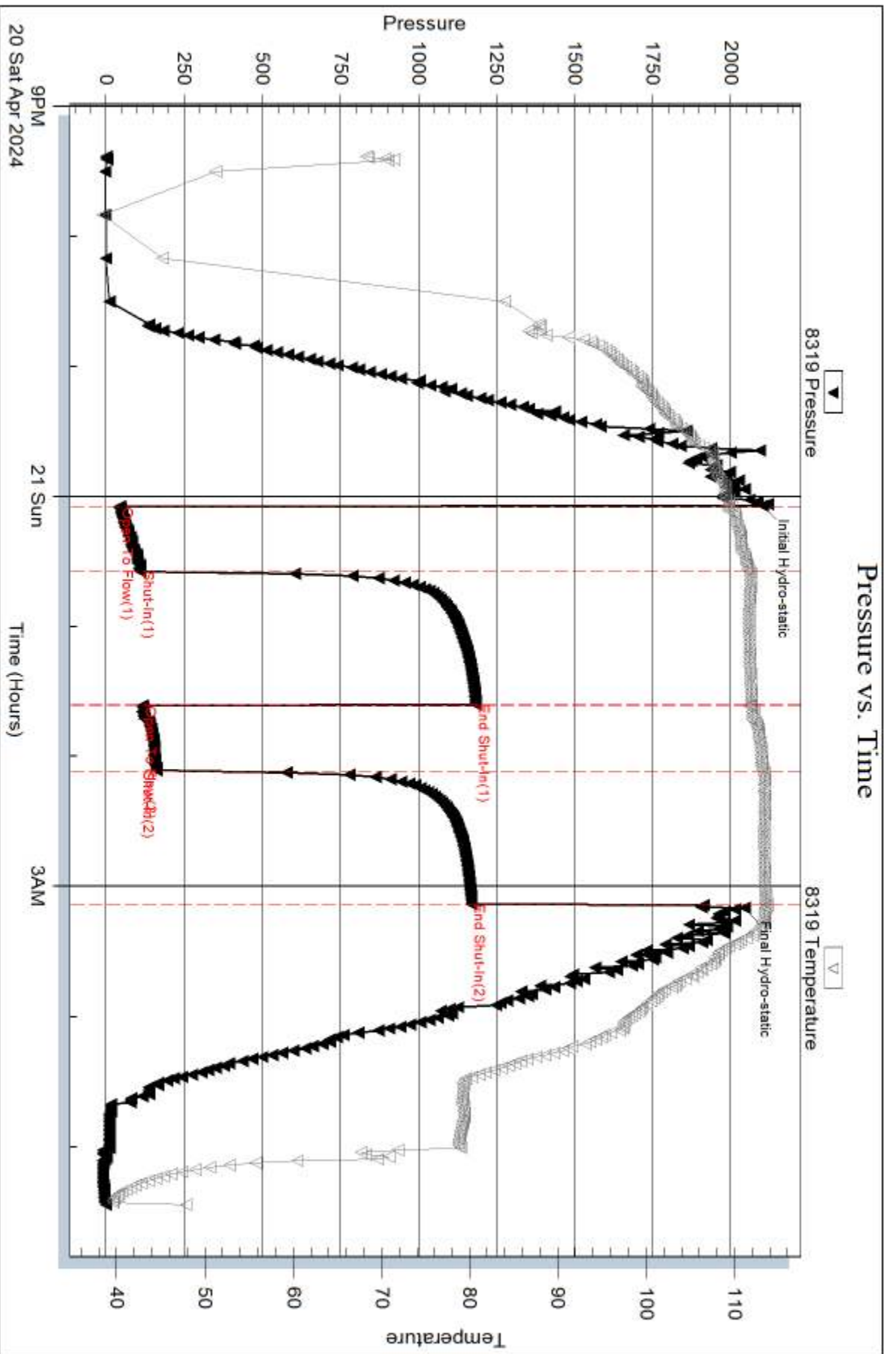
Serial #: 8319

Inside

Pioneer Oil Co. Inc

Fields #9-14

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 71826

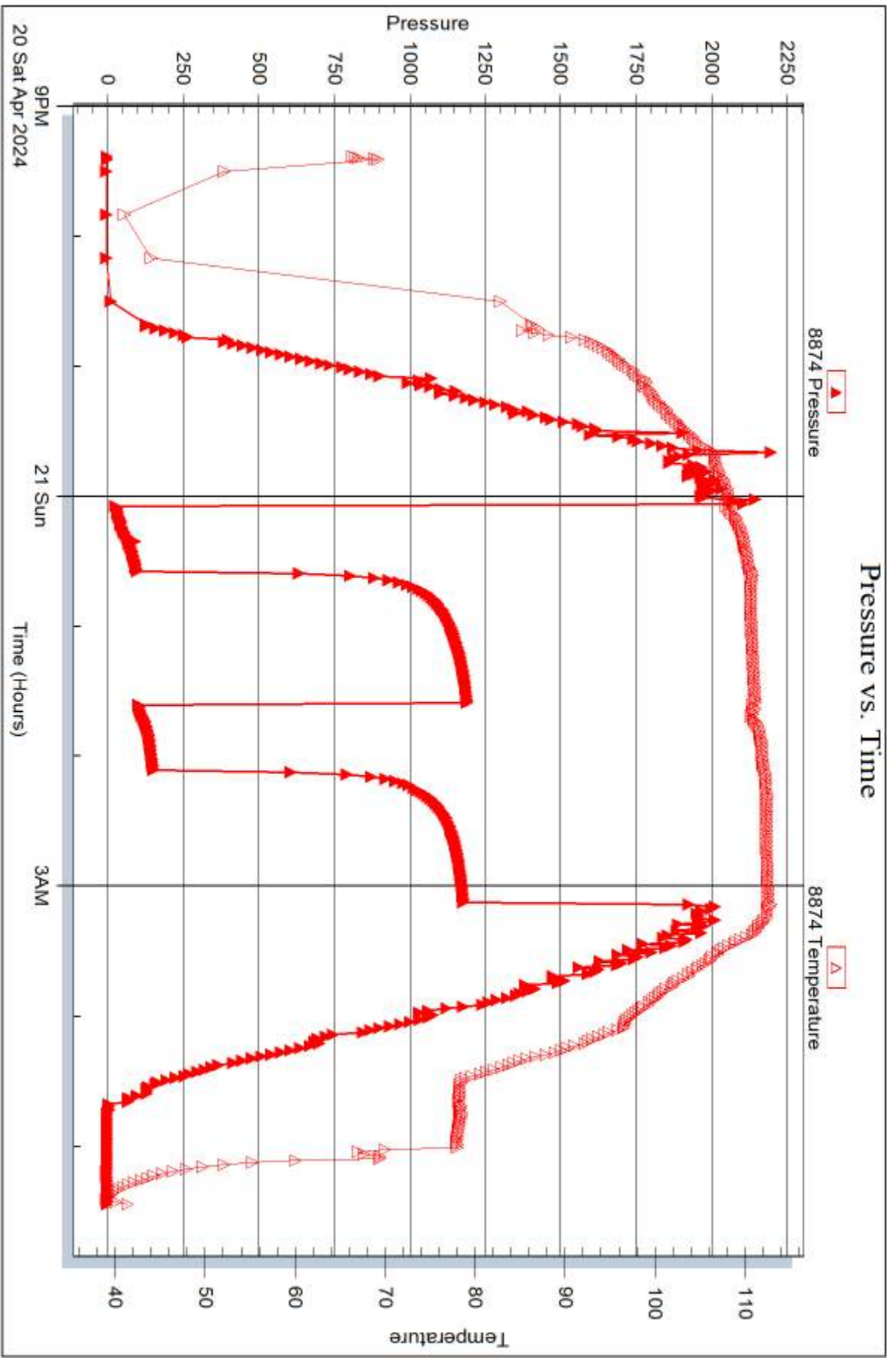
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Serial #: 8874

Outside Pioneer Oil Co. Inc

Phiaps #9-14

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 71826

Printed: 2024.04.25 @ 09:26:26



DRILL STEM TEST REPORT

Prepared For: **Pioneer Oil Co, Inc**

PO Box 237
Vincennes, IN 47591

ATTN: Rod Anderson

Phelps #9-14

14 14s 34w Logan KS

Start Date: 2024.04.22 @ 04:59:00

End Date: 2024.04.22 @ 12:33:00

Job Ticket #: 71827 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.04.25 @ 09:19:35



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Pioneer Oil Co, Inc

14 14s 34w Logan KS

PO Box 237
Vincennes, IN 47591

Phelps #9-14

Job Ticket: 71827

DST#: 2

ATTN: Rod Anderson

Test Start: 2024.04.22 @ 04:59:00

GENERAL INFORMATION:

Formation: **Altamont A-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:20:15

Time Test Ended: 12:33:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 85

Interval: 4242.00 ft (KB) To 4375.00 ft (KB) (TVD)

Reference Elevations: 3014.00 ft (KB)

Total Depth: 4375.00 ft (KB) (TVD)

3003.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8319

Inside

Press@RunDepth: 222.95 psig @ 4243.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.04.22

End Date:

2024.04.22

Last Calib.:

2024.04.22

Start Time: 04:59:05

End Time:

12:32:59

Time On Btm:

2024.04.22 @ 07:19:30

Time Off Btm:

2024.04.22 @ 10:23:00

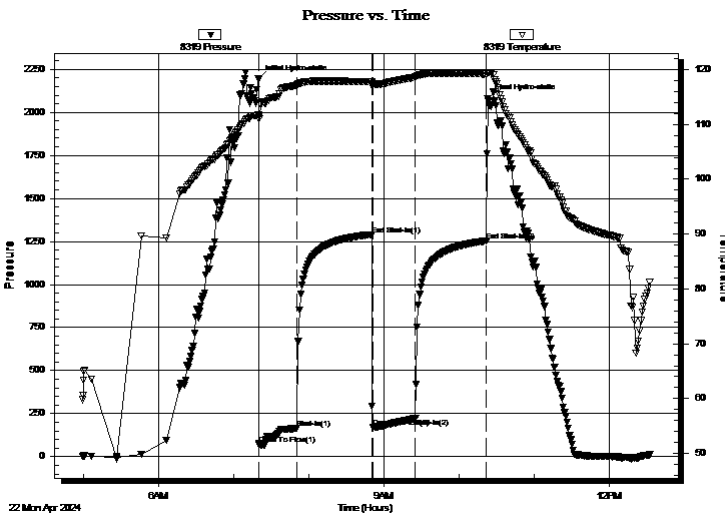
TEST COMMENT: IF: BOB @ 16 min. 16 1/2"

IS: No return.

FF: BOB @ 18 min. 16 1/2"

FS: No return. 30-60-30-60

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2193.06	111.66	Initial Hydro-static
1	73.36	111.10	Open To Flow (1)
31	166.86	117.15	Shut-In(1)
91	1290.62	117.75	End Shut-In(1)
92	171.96	117.42	Open To Flow (2)
126	222.95	118.64	Shut-In(2)
183	1254.11	119.19	End Shut-In(2)
184	2078.16	119.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	omcw 20o 20m 60w	1.18
160.00	gmw co 10g 20m 30w 40o	2.24
10.00	Oil 100o	0.14

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Pioneer Oil Co, Inc

14 14s 34w Logan KS

PO Box 237
Vincennes, IN 47591

Phelps #9-14

Job Ticket: 71827

DST#: 2

ATTN: Rod Anderson

Test Start: 2024.04.22 @ 04:59:00

GENERAL INFORMATION:

Formation: **Altamont A-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:20:15

Time Test Ended: 12:33:00

Interval: 4242.00 ft (KB) To 4375.00 ft (KB) (TVD)

Total Depth: 4375.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 85

Reference Elevations: 3014.00 ft (KB)

3003.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8874 Outside

Press@RunDepth: psig @ 4243.00 ft (KB)

Start Date: 2024.04.22 End Date: 2024.04.22

Start Time: 04:59:05 End Time: 12:32:59

Capacity: 8000.00 psig

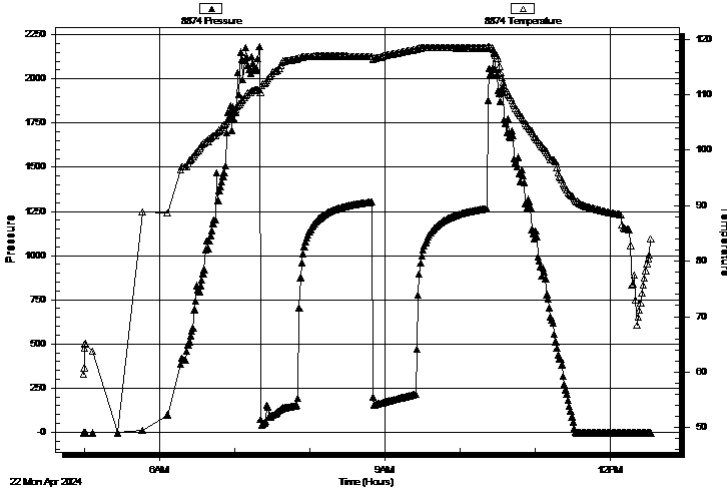
Last Calib.: 2024.04.22

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB @ 16 min. 16 1/2"
IS: No return.
FF: BOB @ 18 min. 16 1/2"
FS: No return. 30-60-30-60

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
240.00	omcw 20o 20m 60w	1.18
160.00	gmw co 10g 20m 30w 40o	2.24
10.00	Oil 100o	0.14

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pioneer Oil Co, Inc

14 14s 34w Logan KS

PO Box 237
Vincennes, IN 47591

Phelps #9-14

Job Ticket: 71827

DST#: 2

ATTN: Rod Anderson

Test Start: 2024.04.22 @ 04:59:00

Tool Information

Drill Pipe:	Length: 3993.00 ft	Diameter: 3.80 inches	Volume: 56.01 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 57.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4242.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	133.00 ft			
Tool Length:	163.00 ft			
Number of Packers:	2	Diameter: 675.00 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4213.00	
Shut In Tool	5.00			4218.00	
Hydraulic tool	5.00			4223.00	
Jars	5.00			4228.00	
EM Tool	3.00			4231.00	
Safety Joint	2.00			4233.00	
Packer	5.00			4238.00	30.00 Bottom Of Top Packer
Packer	4.00			4242.00	
Stubb	1.00			4243.00	
Recorder	0.00	8319	Inside	4243.00	
Recorder	0.00	8874	Outside	4243.00	
Perforations	32.00			4275.00	
Change Over Sub	1.00			4276.00	
Drill Pipe	95.00			4371.00	
Change Over Sub	1.00			4372.00	
Bullnose	3.00			4375.00	133.00 Bottom Packers & Anchor
Total Tool Length:	163.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pioneer Oil Co, Inc

14 14s 34w Logan KS

PO Box 237
Vincennes, IN 47591

Phelps #9-14

Job Ticket: 71827

DST#: 2

ATTN: Rod Anderson

Test Start: 2024.04.22 @ 04:59:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

52000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.78 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 bbf
240.00	omcw 20o 20m 60w	1.180
160.00	gmw co 10g 20m 30w 40o	2.244
10.00	Oil 100o	0.140

Total Length: 410.00 ft Total Volume: 3.564 bbl

Num Fluid Samples: 0

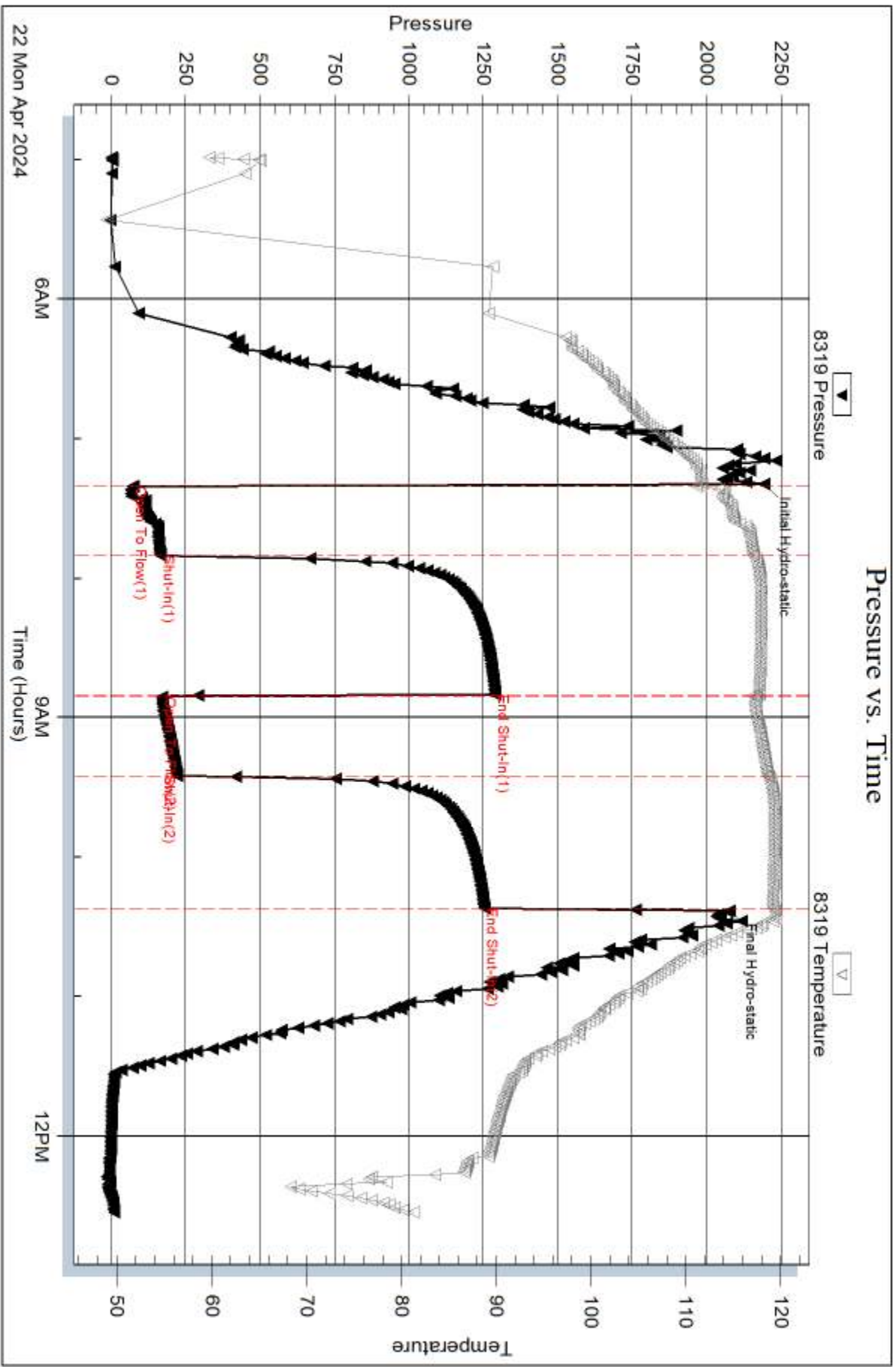
Num Gas Bombs: 0

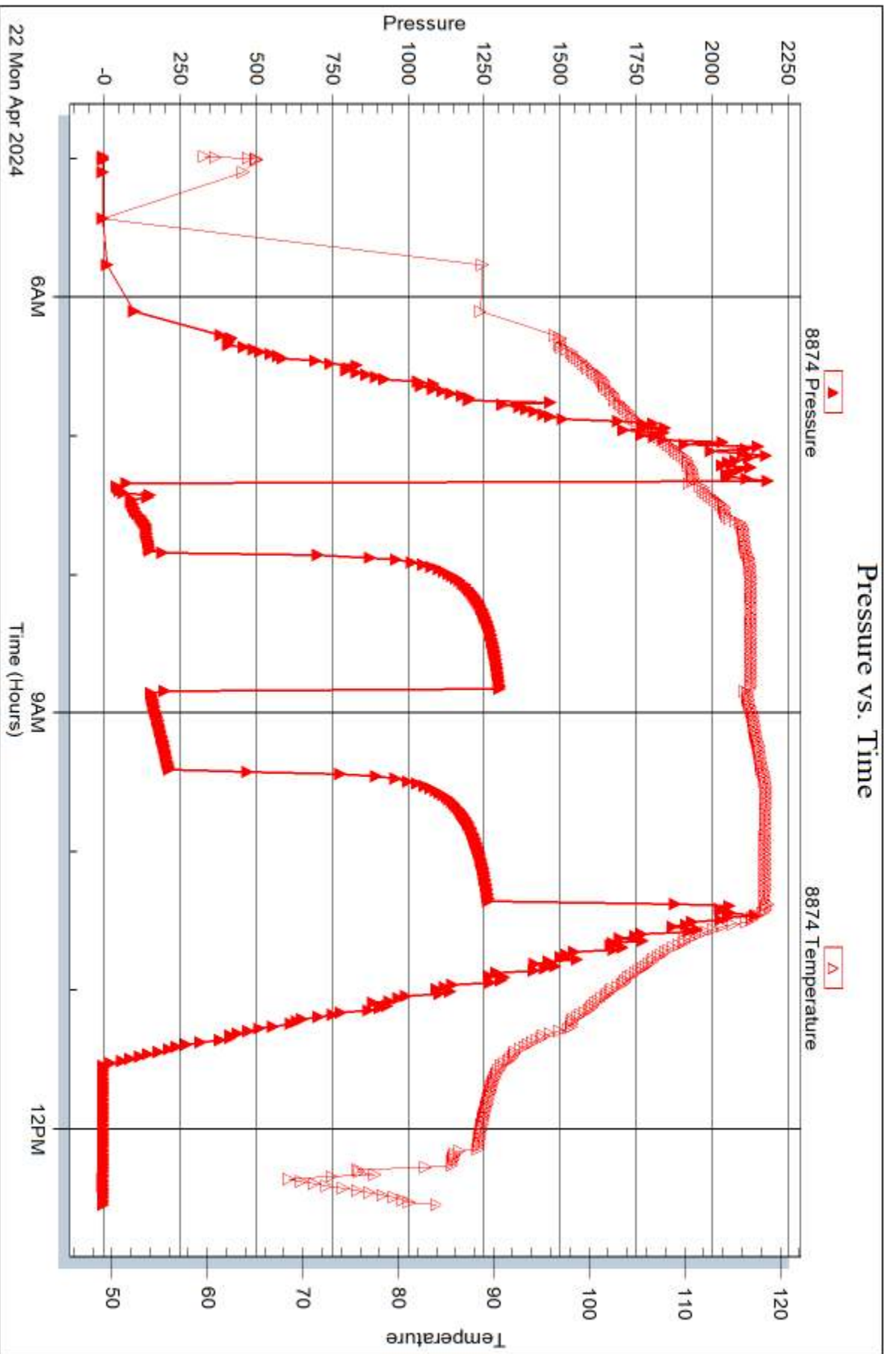
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .145 @ 71f= 52,000ppm







DRILL STEM TEST REPORT

Prepared For: **Pioneer Oil Co, Inc**

PO Box 237
Vincennes, IN 47591

ATTN: Rod Anderson

Phelps #9-14

14 14s 34w Logan KS

Start Date: 2024.04.23 @ 03:51:00

End Date: 2024.04.23 @ 11:37:00

Job Ticket #: 71828 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.04.25 @ 09:16:26



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Pioneer Oil Co, Inc

14 14s 34w Logan KS

PO Box 237
Vincennes, IN 47591

Phelps #9-14

Job Ticket: 71828

DST#: 3

ATTN: Rod Anderson

Test Start: 2024.04.23 @ 03:51:00

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:15:15

Time Test Ended: 11:37:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 85

Interval: **4394.00 ft (KB) To 4475.00 ft (KB) (TVD)**

Reference Elevations: 3014.00 ft (KB)

Total Depth: 4475.00 ft (KB) (TVD)

3003.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8874 Outside

Press@RunDepth: 38.61 psig @ 4395.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.04.23

End Date:

2024.04.23

Last Calib.:

2024.04.23

Start Time:

03:51:05

End Time:

11:36:59

Time On Btm:

2024.04.23 @ 06:14:45

Time Off Btm:

2024.04.23 @ 09:26:15

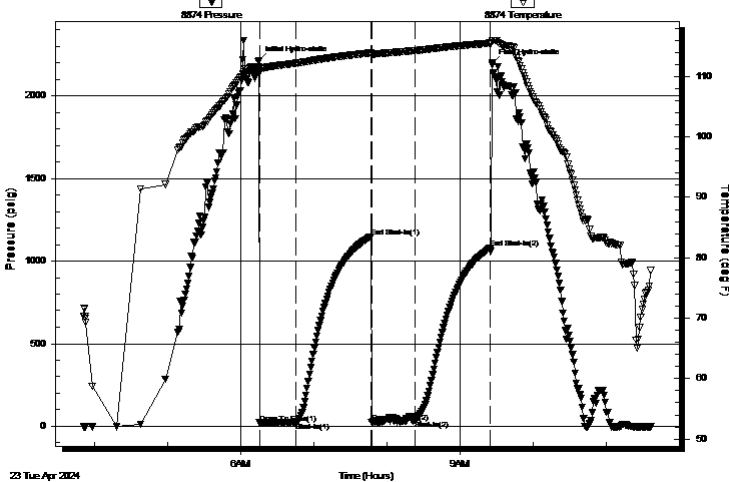
TEST COMMENT: IF: 1/2" blow, Died @ 10 minutes.

IS: No return.

FF: No blow.

FS: No return. 30-60-30-60

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2215.46	111.63	Initial Hydro-static
1	20.09	110.69	Open To Flow (1)
31	23.20	112.21	Shut-In(1)
92	1148.04	113.92	End Shut-In(1)
93	25.70	113.62	Open To Flow (2)
129	38.61	114.28	Shut-In(2)
191	1079.65	115.52	End Shut-In(2)
192	2197.86	115.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100m (oil spots in tool)	0.10

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

Pioneer Oil Co, Inc

14 14s 34w Logan KS

PO Box 237
Vincennes, IN 47591

Phelps #9-14

Job Ticket: 71828

DST#: 3

ATTN: Rod Anderson

Test Start: 2024.04.23 @ 03:51:00

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:15:15

Time Test Ended: 11:37:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 85

Interval: **4394.00 ft (KB) To 4475.00 ft (KB) (TVD)**

Reference Elevations: 3014.00 ft (KB)

Total Depth: 4475.00 ft (KB) (TVD)

3003.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8319 Inside

Press@RunDepth: psig @ 4395.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.04.23

End Date:

2024.04.23

Last Calib.:

2024.04.23

Start Time: 03:51:05

End Time:

11:37:14

Time On Btm:

Time Off Btm:

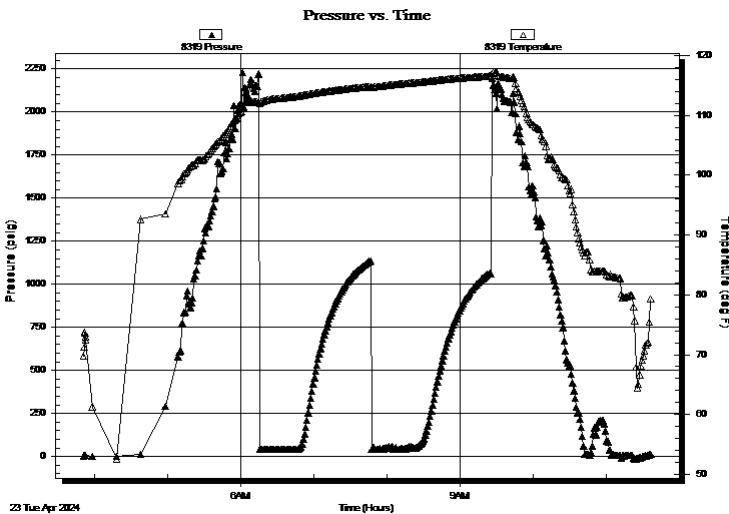
TEST COMMENT: IF: 1/2" blow , Died @ 10 minutes.

IS: No return.

FF: No blow .

FS: No return. 30-60-30-60

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100m (oil spots in tool)	0.10

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pioneer Oil Co, Inc

14 14s 34w Logan KS

PO Box 237
Vincennes, IN 47591

Phelps #9-14

Job Ticket: 71828

DST#: 3

ATTN: Rod Anderson

Test Start: 2024.04.23 @ 03:51:00

Tool Information

Drill Pipe:	Length: 4148.00 ft	Diameter: 3.80 inches	Volume: 58.19 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 59.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	4394.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	81.00 ft			
Tool Length:	111.00 ft			
Number of Packers:	2	Diameter: 675.00 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4365.00	
Shut In Tool	5.00			4370.00	
Hydraulic tool	5.00			4375.00	
Jars	5.00			4380.00	
EM Tool	3.00			4383.00	
Safety Joint	2.00			4385.00	
Packer	5.00			4390.00	30.00 Bottom Of Top Packer
Packer	4.00			4394.00	
Stubb	1.00			4395.00	
Recorder	0.00	8319	Inside	4395.00	
Recorder	0.00	8874	Outside	4395.00	
Perforations	12.00			4407.00	
Change Over Sub	1.00			4408.00	
Drill Pipe	63.00			4471.00	
Change Over Sub	1.00			4472.00	
Bullnose	3.00			4475.00	81.00 Bottom Packers & Anchor
Total Tool Length:	111.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pioneer Oil Co, Inc

14 14s 34w Logan KS

PO Box 237
Vincennes, IN 47591

Phelps #9-14

Job Ticket: 71828

DST#: 3

ATTN: Rod Anderson

Test Start: 2024.04.23 @ 03:51:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud 100m (oil spots in tool)	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:

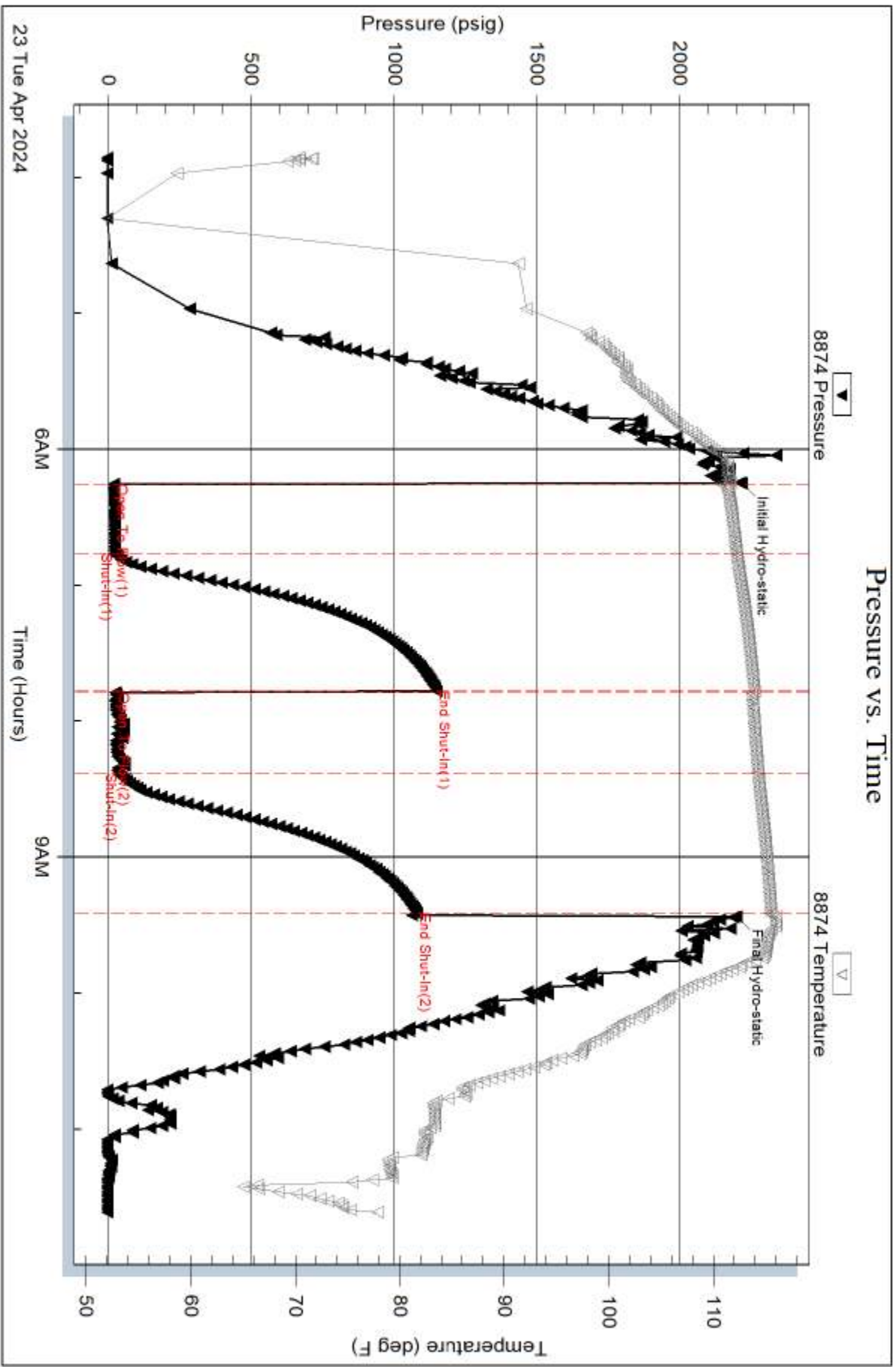
Recovery Comments:

Serial #: 8874

Outside Pioneer Oil Co. Inc

Phiaps #9-14

DST Test Number: 3



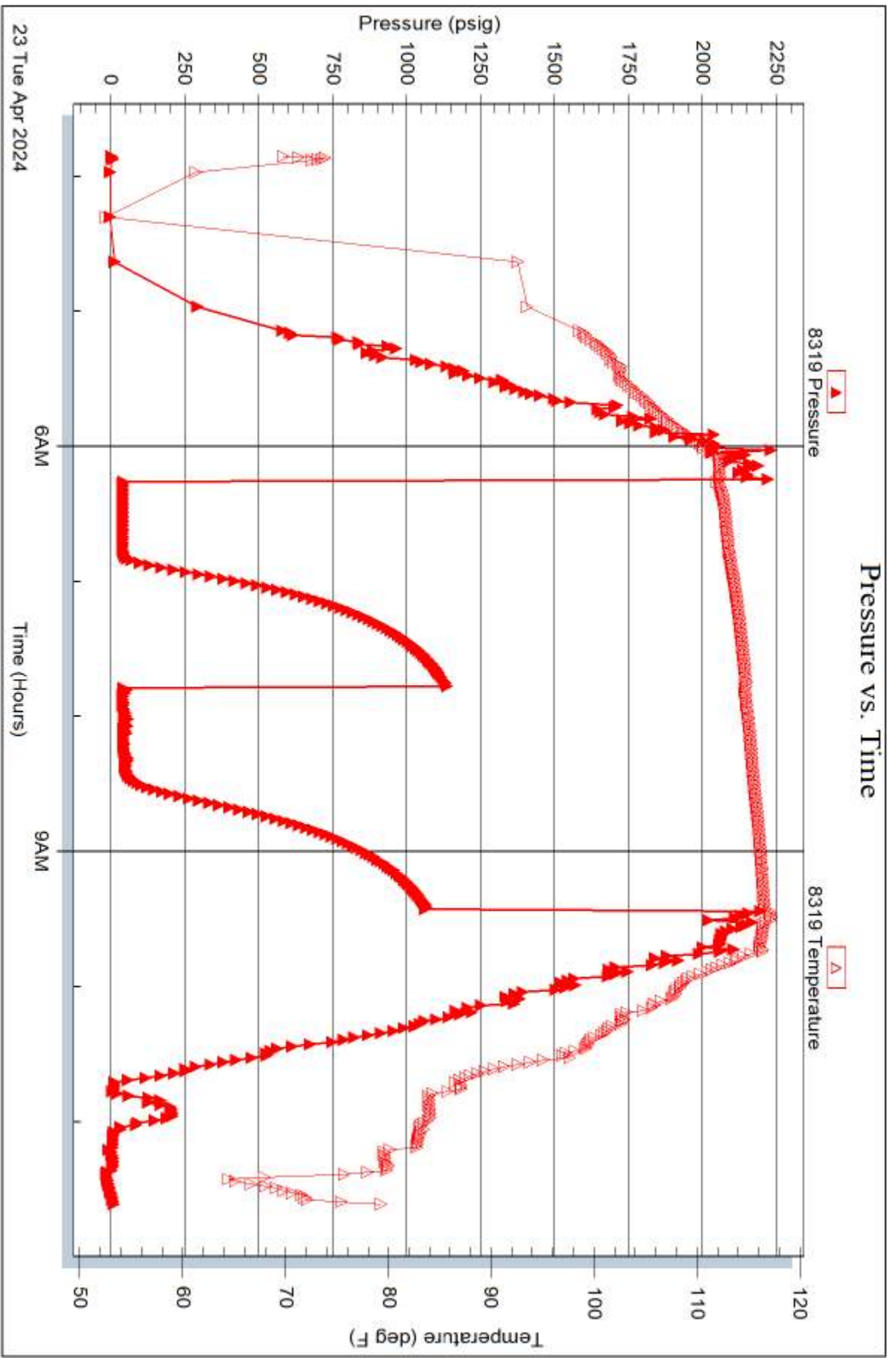
Serial #: 8319

Inside

Pioneer Oil Co. Inc

Fields #9-14

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 71826

Well Name & No. Phelps 9-14 Test No. 1 Date 04/21/2024
 Company Pioneer Oil Co, Inc Elevation 3014 KB 3003 GL
 Address PO Box 237 Vincennes IN 47501
 Co. Rep / Geo Aed Anderson Rig MoAm 21
 Location: Sec. 14 Twp 14S Rge. 34W Co. Logan State Ks

Interval Tested 4062 4160 Zone Tested Lansing D-E
 Anchor Length 98' Drill Pipe Run 3802 Mud Wt. 9.2
 Top Packer Depth 4057 Drill Collars Run 240 Vis 56
 Bottom Packer Depth 4062 Wt. Pipe Run — WL 8.8
 Total Depth 4160 Chlorides 2400 ppm System LCM 3.5#

Blow Description IF 5 1/2" blow
ISI No return.
FF 4" blow
FSG No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>240</u>	<u>mud</u>			<u>100%</u>	
	<u>oil spots in tool</u>				

Rec Total 240 BHT 113 Gravity — API RW — @ — °F Chlorides — ppm
 Initial Hydrostatic 2102 Test 1950 Ruined Shale Packer
 Initial Flow 41 to 109 Jars 300 Ruined Packer
 Initial Shut-In 1184 Circ Sub Hotel
 Final Flow 116 to 161 Hourly Standby EM Tool Successful yes
 Final Shut-In 1171 Mileage 75.1 131.25 Accessibility
 Final Hydrostatic 2043 Sampler Gas Sample
 T-On Location 1900 Straddle Oversized Hole
 Initial Flow 30 T-Started 2114 Shale Packer 250 Sub Total 0
 Initial Shut-In 60 T-Open 00:04 Extra Packer Total 2381.25
 Final Flow 30 T-Pulled 03:06 Extra Recorder Tool Loaded @
 Final Shut-In 60 T-Out 05:27 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. 71827

Well Name & No. Phelps 9-14 Test No. 2 Date 04/22/2024
 Company Pioneer Oil Co, Inc Elevation 3014 KB 3003 GL
 Address Vincennes, In
 Co. Rep / Geo Red Anderson Rig Murfm 21
 Location: Sec. 14 Twp 14s Rge. 34w Co. Zogan State Ks

Interval Tested 4242 - 4375 Zone Tested Altament A-C
 Anchor Length 133 Drill Pipe Run 3993 Mud Wt. 9.1
 Top Packer Depth 4237 Drill Collars Run 240 Vis 53
 Bottom Packer Depth 4242 Wt. Pipe Run — WL 8.8
 Total Depth 4375 Chlorides 5000 ppm System LCM 2#

Blow Description IF BOB @ 16 min 16 1/2"
IST No return.
FF BOB @ 18 min 16 1/2"
FST No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>oil</u>	<u>100</u>			
<u>160</u>	<u>GMWCO</u>	<u>10</u>	<u>40</u>	<u>30</u>	<u>20</u>
<u>240</u>	<u>OMCW</u>	<u>20</u>	<u>60</u>	<u>20</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 410 BHT 119 Gravity 36 API RW .145 @ 71 °F Chlorides 52,000 ppm
 Initial Hydrostatic 2193 Test 1950 Ruined Shale Packer
 Initial Flow 73 to 166 Jars 300 Ruined Packer
 Initial Shut-In 1290 Circ Sub Hotel
 Final Flow 171 to 222 Hourly Standby EM Tool Successful yes
 Final Shut-In 1254 Mileage 75 131.25 Accessibility
 Final Hydrostatic 2078 Sampler Gas Sample
 T-On Location 0415 Straddle Oversized Hole
 Initial Flow 30 T-Started 0459 Shale Packer 250 Sub Total 0
 Initial Shut-In 60 T-Open 0720 Extra Packer Total 2381.25
 Final Flow 30 T-Pulled 1025 Extra Recorder Tool Loaded @
 Final Shut-In 60 T-Out 1233 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. 71828

Well Name & No. Phelps 9-14 Test No. 3 Date 04/03/2024
 Company Pioneer Oil Co, Inc Elevation 3014 KB 3003 GL
 Address Vincennes, In
 Co. Rep / Geo Red Anderson Rig Medina 21
 Location: Sec. 14 Twp 14S Rge. 34W Co. Logan State KS

Interval Tested 4394-4475 Zone Tested Ft. Scott
 Anchor Length 81 Drill Pipe Run 4148 Mud Wt. 9.1
 Top Packer Depth 4389 Drill Collars Run 240 Vis 54
 Bottom Packer Depth 4394 Wt. Pipe Run — WL 9.6
 Total Depth 4475 Chlorides — ppm System LCM 2#

Blow Description IF 1/2" blow
ISI no return.
FF no blow
FSI no return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Mud</u>			<u>100</u>	
	<u>oil spots in tool</u>				

Rec Total 20 BHT 116 Gravity — API RW — @ — *F Chlorides — ppm
 Initial Hydrostatic 2215 Test 1950 Ruined Shale Packer
 Initial Flow 20 to 23 Jars 300 Ruined Packer
 Initial Shut-In 1148 Circ Sub Hotel
 Final Flow 25 to 38 (slight plugging) Hourly Standby EM Tool Successful NO -350
 Final Shut-In 1079 Mileage x2 75 Accessibility
 Final Hydrostatic 2197 Sampler 131.25 + 131.25 Gas Sample
 T- On Location 0345 Straddle Oversized Hole
 Initial Flow 30 T-Started 0351 Shale Packer 250 Sub Total -350
 Initial Shut-In 60 T-Open 0616 Extra Packer Total 2412.50
 Final Flow 30 T-Pulled 0924 Extra Recorder Tool Loaded 04/04 @ 0500
 Final Shut-In 60 T-Out 1137 Day Standby MP/DST Disc't

Comments _____

Approved By _____ Our Representative [Signature]

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LITHOLOGY STRIP LOG

WellSight Systems

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Phelps 9-14

Well Id:

Location: 2258 FSL & 880 FEL Sec 14-T14S - R34W

License Number: 15-023-21614-0000

Spud Date: 4/16/2024

Region: Logan County, KS

Drilling Completed: 4/24/2024

Surface Coordinates:

Bottom Hole

Coordinates:

Ground Elevation (ft): 3003

K.B. Elevation (ft): 3014

Logged Interval (ft): 3550 To: 4680

Total Depth (ft): 4680

Formation: Mississippian

Type of Drilling Fluid: Chemical mud

Printed by WellSight LogViewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Pioneer Oil Company, Inc

Address: 400 Main Street
Vincennes, Indiana 47501

GEOLOGIST

Name: Rod Andersen

Company: Rod Andersen Consulting


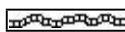
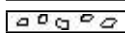
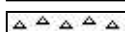
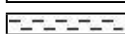
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Wichita, Kansas 67202


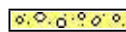



Cores



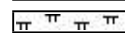

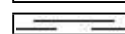
DSTs

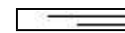


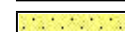

Comments

ROCK TYPES

 Anhy
 Bent
 Brec
 Cht
 Clyst

 Coal
 Congl
 Dol
 Gyp
 Igne

 Lmst
 Meta
 Mrlst
 Salt
 Shale

 Shcol
 Shgy
 Sltst
 Ss
 Till

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl

- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral

- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol

- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang

- Angular

OIL SHOW

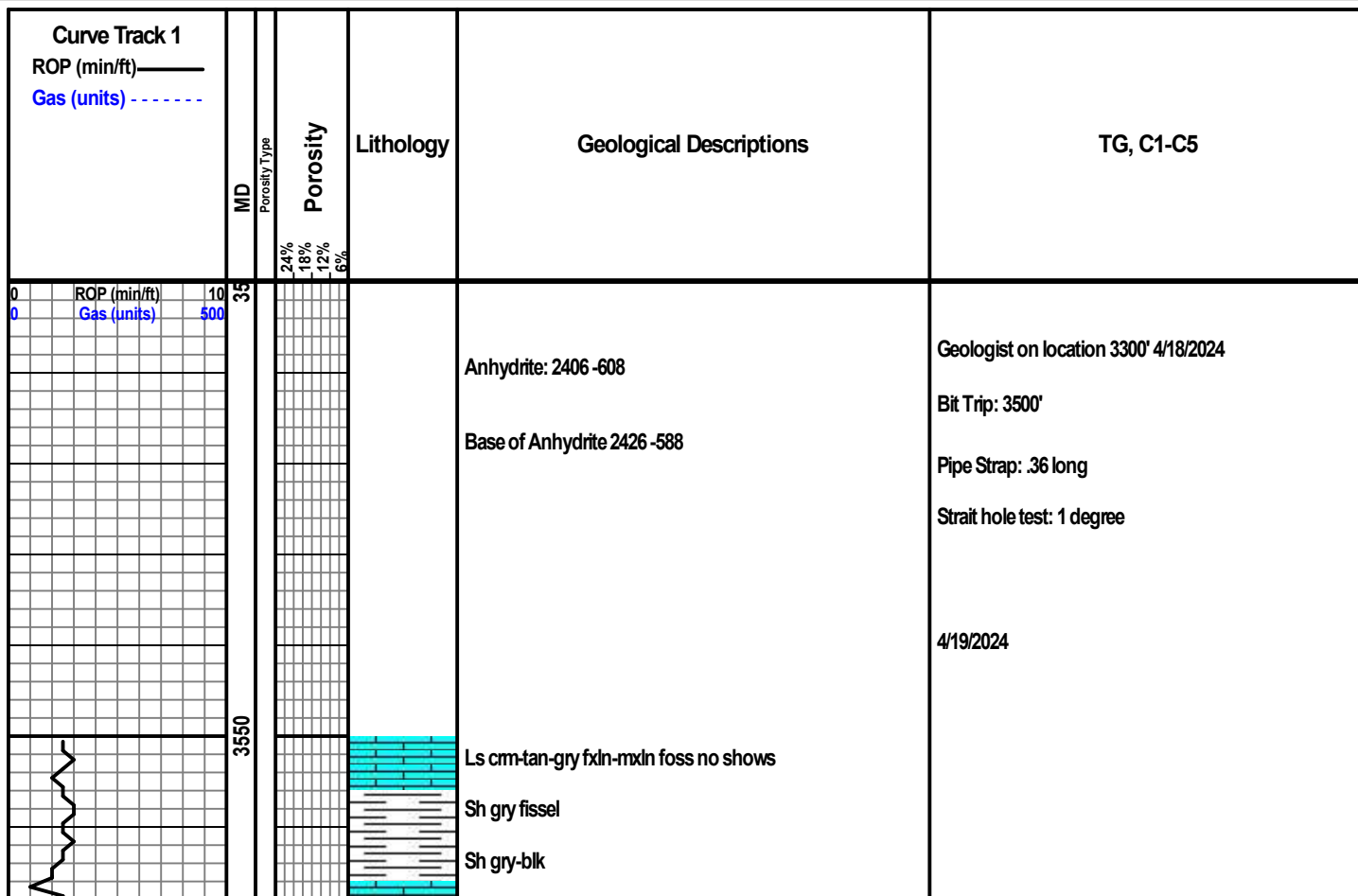
- Even
- Spotted
- Ques
- Dead

INTERVAL

- Core
- Dst

EVENT

- Rft
- Sidewall



HOWARD 3578 -564

Ls tan-bm fxln-cxln foss no shows
Ls cm-tan fxln-cxln foss trace dead oil stain no free oil no flor

Ls cm-tan fxln-cxln-pinpoint por foss no show vis por

Ls cm-tan fxln-mxln motteled vfoss no shows

TOPEKA 3610 -596

Sh red-gry soft

Ls cm fxln-cxln vfoss well cemented no show

Ls cm-tan fxln-cxln v foss in part no shows

Ls tan fxln foss no show

Sh gry-bm silty micaceous

Ls cm-tan fxln-cxln foss no shows

Ls cm-tan fxln-cxln some pinpoint por vfoss no shows

Sh gry

Ls cm-tan fxln-cxln vfoss no show

Ls wt-cm fxln-cxln vfoss no show

Ls wt-cm fxln-mxln vfoss no show

Sh gry-drk gry

Ls cm-tan-bm fxln-cxln v foss no show

Ls cm-tan fxln-mxln foss no show

DEER CREEK 3696 -682

Ls cm-tan fxln v foss no show

Ls cm-tan fxln-cxln-pinpoint por few pieces with heavy blk oil free oil when broken slight flor good streaming cut pyritic in part

Ls cm-tan fxln no vis por no show

Sh gry-drk gry

cfs 3743

Ls cm-tan fxln foss no show

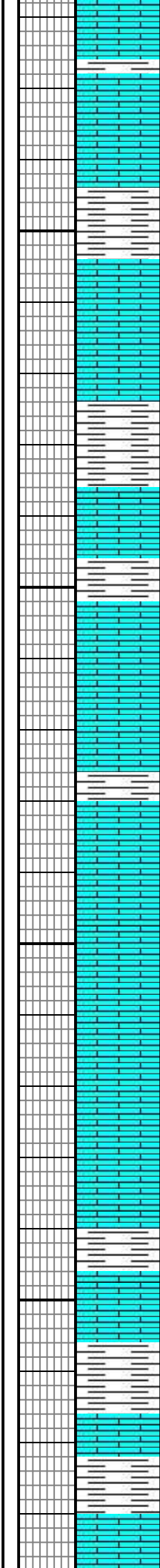
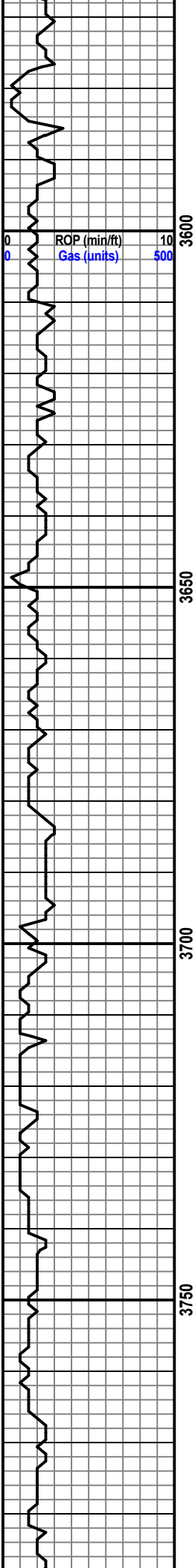
Lt gry-dark gry

Sh red

Ls cm-tan fxln-mxln foss no show

Sh red-gry-blk

Ls cm-tan-gry fxln-cxln v foss no show



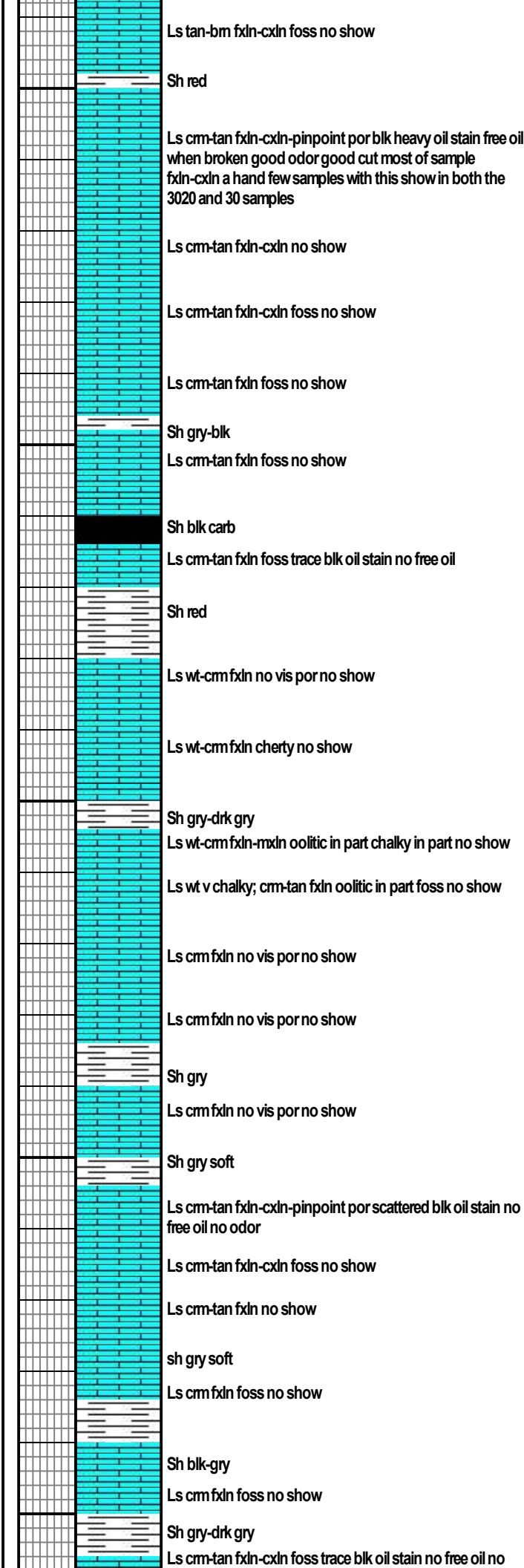
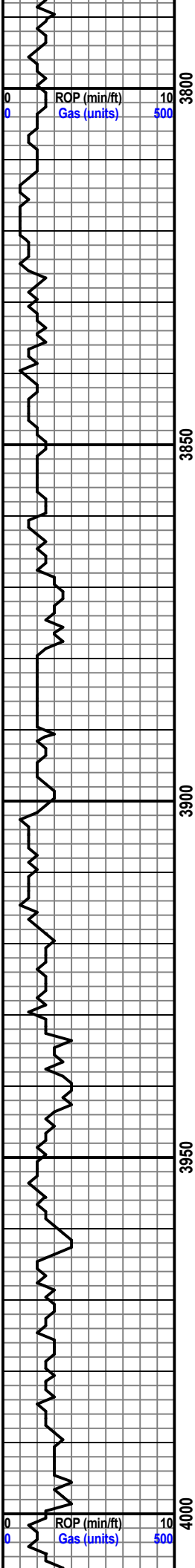
Ls tan-bm fxln-cxln foss no shows
Ls cm-tan fxln-cxln foss trace dead oil stain no free oil no flor
Ls cm-tan fxln-cxln-pinpoint por foss no show vis por
Ls cm-tan fxln-mxln motteled vfoss no shows
Sh red-gry soft
Ls cm fxln-cxln vfoss well cemented no show
Ls cm-tan fxln-cxln v foss in part no shows
Ls tan fxln foss no show
Sh gry-bm silty micaceous
Ls cm-tan fxln-cxln foss no shows
Ls cm-tan fxln-cxln some pinpoint por vfoss no shows
Sh gry
Ls cm-tan fxln-cxln vfoss no show
Ls wt-cm fxln-cxln vfoss no show
Ls wt-cm fxln-mxln vfoss no show
Sh gry-drk gry
Ls cm-tan-bm fxln-cxln v foss no show
Ls cm-tan fxln-mxln foss no show
Ls cm-tan fxln v foss no show
Ls cm-tan fxln-cxln-pinpoint por few pieces with heavy blk oil free oil when broken slight flor good streaming cut pyritic in part
Ls cm-tan fxln no vis por no show
Sh gry-drk gry
Ls cm-tan fxln foss no show
Lt gry-dark gry
Sh red
Ls cm-tan fxln-mxln foss no show
Sh red-gry-blk
Ls cm-tan-gry fxln-cxln v foss no show

HOWARD 3578 -564

TOPEKA 3610 -596

DEER CREEK 3696 -682

cfs 3743



OREAD 3808 -794

cfs 3845

HEEBNER 4860 -1846

TORONTO 3879 -865

LANSING 3903 -889

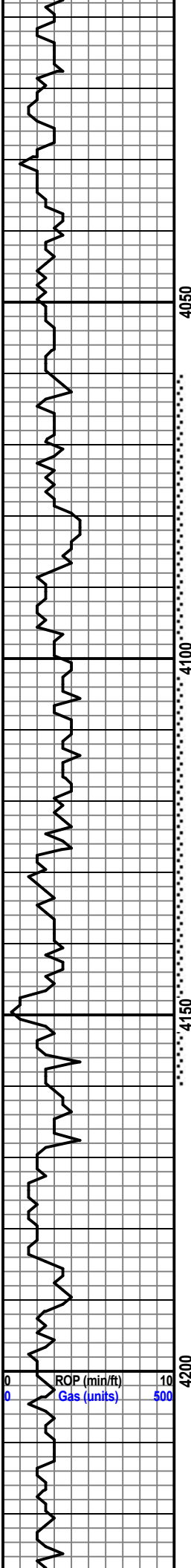
cfs 3920

LANSING B 3939 -925

cfs 3970

LANSING C 3988 -974

4/20/2024



4050

4100

4150

4200

odor
 Ls cm-tan-gry fxln-cxln foss no show
 Sh gry-drk gry
 Ls wt-cm fxln-mxln no show
 Ls cm-tan fxln-cxln foss well cemented no show
 Ls cm-tan fxln-cxln-pinpoint-vuggy por oolitic por no show no odor
 Ls cm-tan fxln-mxln foss no show
 Sh gry
 Ls cm-tan fxln-cxln-pinpoint por foss no show
 Sh blk carb
 Ls cm-tan fxln-cxln foss pinpoint por scattered blk oil stain no free oil
 Ls cm fxln-mxln trace blk oil stain no free oil
 Ls cm-tan fxln-cxln oolitic in part no shows slight odor
 Ls cm-tan fxln-mxln few pieces with vis por pinpoint good blk stain good odor no free oil
 Sh gry-bm
 Ls cm-tan fxln-cxln-pinpoint por free oil good staining good odor good cut
 Sh gry gummy
 Ls cm-tan fxln-cxln pinpoint por free oil good staining and odorgood cut
 Sh blk carb
 Sh gry gummy red
 Ls cm-tan fxln no show
 Sh red-gry gummy
 Ls cm-tan fxln-cxln v foss no vis por oolitic in part no shows
 Ls cm-tan fxln-cxln foss no vis por oolitic in part chalky in part no show 1 piece blk stain
 Sh blk carb
 Ls cm-tan-gry fxln-cxln foss good blk oil stain good odor no free oil
 Ls cm-tan-bm fxln-cxln pinpoint por slight blk oil stain no free oil faint odor
 Ls cm-gry fxln-mxln foss no show

Mud:
 Wt: 9.4
 Vis: 56

MUNCIE CREEK 4072 -1058

LANSING D 4087 -1073

LANSING E 4108 -1094

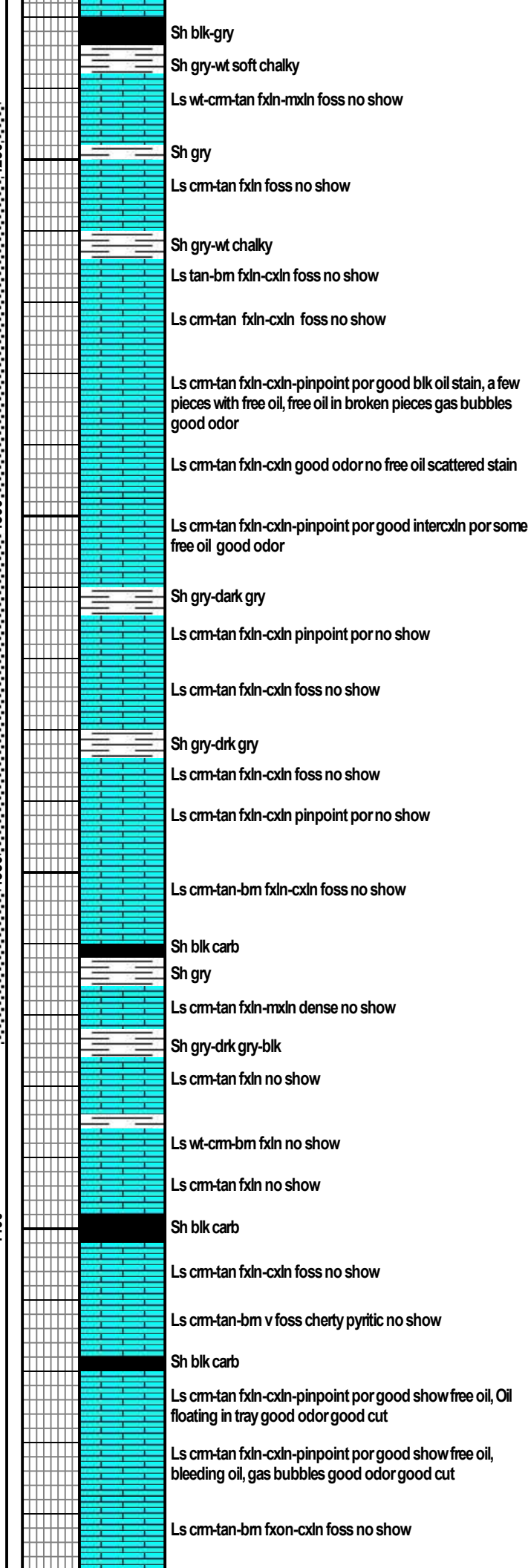
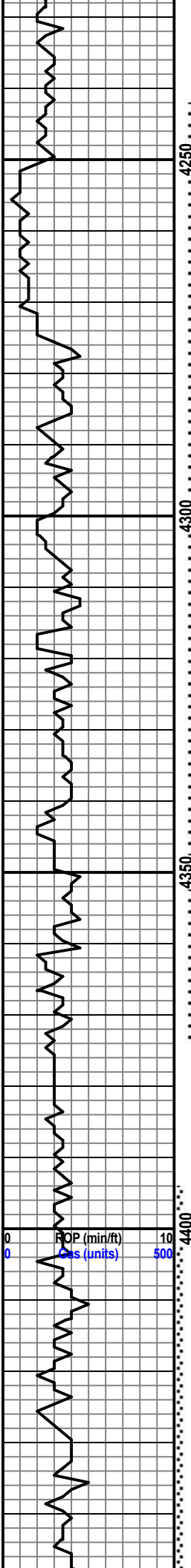
DST #: 4062-4160
 Rec: 240' mud with oil spots
 FP: 41-109# 116-181#
 SIP: 1184-1171

CFS 4160
STARK 4158 -1144

4/21/2024

Mud:
 Wt: 9.2
 Vis: 66

HUSHPUCKNEY 4198 -1184



BASE OF KANSAS CITY 4228 -1214

MARMATON 4270 -1356

ALTAMONT 4294 -1280

DST #2 4242-4375
 Rec:
 410' total fluid
 10' oil
 160' gmwco
 240' omcw
 FP: 73-166# 171-222#
 SIP: 1290-1254

BANDERA 4367 -1353

PAWNEE 4372 -1358

4/22/2024
 DST #2: 4242-4375

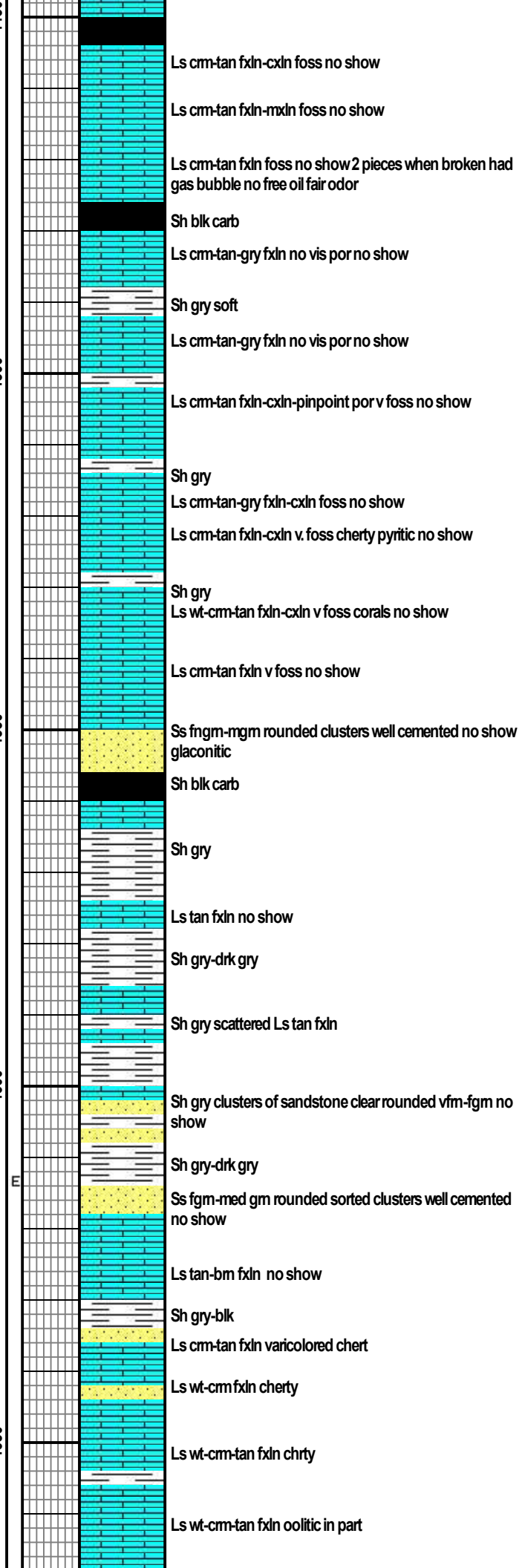
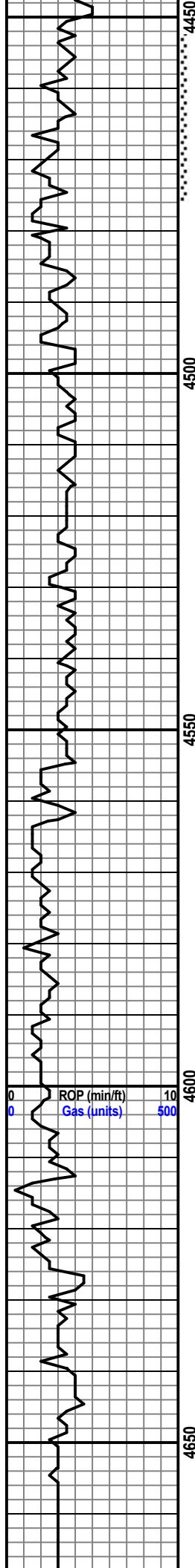
Mud:
 Wt: 9.5
 Vis:56

MYRIC STATION 4402 -1388

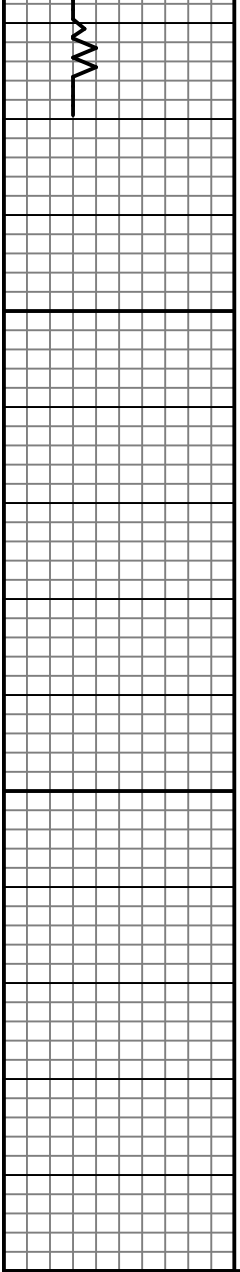
FT SCOTT 4420 -1406

DST #3: 4394-4475
 Rec: 20' mud with oil spots
 FP: 20-23 25-38#
 SIP: 1148-1079#

ROP (min/ft) 10
 Gas (units) 500



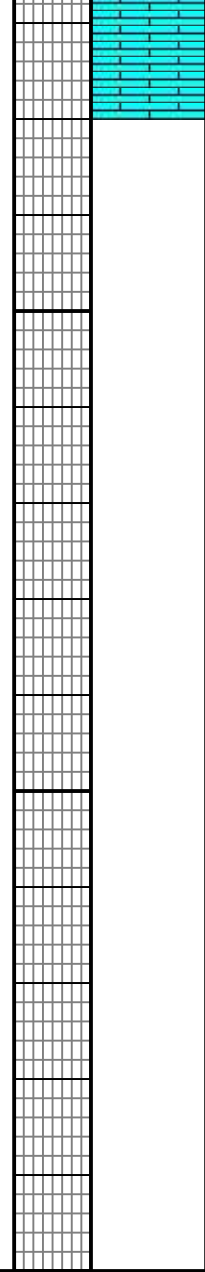
cfs
VERDIGRES 4456 -1442
4/23/2024
DST #3 4394-4475
cfs
Mud:
Wt: 9.1
Vis: 68
JOHNSON 4494 -1480
cfs
JOHNSON BASAL SANDSTONE 4552-1538
MORROW 4564 -1550
MORROW SANDSTONE 4602 -1588
cfs
MISSISSIPPIAN 4630 -1616



4700

4750

00



TD DRILLER 4680

TD LOG 4681