

Form	ACO1 - Well Completion
Operator	Darrah Oil Company, LLC
Well Name	WM UNIT 1-35
Doc ID	1782970

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	428	common	425	3%cc

COPELAND

Acid & Cement

BURRTON, KS ♦ GREAT BEND, KS
(620) 463-5161 (620) 793-3366
FAX (620) 463-2104 FAX (620) 793-3536

POST OFFICE BOX 438
HAYSVILLE, KS 67060
(316) 524-1225
(316) 524-1027 FAX

Invoice

Page: 1

INVOICE NUMBER:
C61020-IN

BILL TO:

DARRAH OIL COMPANY LLC
PO BOX 2786
WICHITA, KS 67202-2786

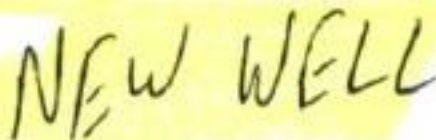
LEASE: WM UNIT 1-35

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER		SPECIAL INSTRUCTIONS	
03/13/2024	61020		03/05/2024	WM UNIT 1-35		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION			D/C	PRICE	EXTENSION
		NEW WELL					
20.00	MI	MILEAGE PICKUP			0.00	4.00	80.00
20.00	MI	MILEAGE CEMENT PUMP TRUCK			0.00	6.00	120.00
1.00	EA	PUMP CHARGE SURFACE			0.00	1,150.00	1,150.00
425.00	SK	COMMON CEMENT			0.00	17.50	7,437.50
24.00	SK	CALCIUM CHLORIDE			0.00	42.00	1,008.00
449.00	EA	BULK CHARGE			0.00	1.25	561.25
205.75	MI	BULK TRUCK - TON MILES			0.00	1.10	226.33

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days pas

Copeland Acid & Cement is a subsidiary of Gressel Oil Field Service

Gressel Oil Field Service reserves a security interest in the goods sold until the same are paid for in full and reserve all the rights of a secured party under the Uniform Commercial Code.



N^o C 61020

DATE 5-Mar 20 24

(NAME OF CUSTOMER)

TO TREAT WELL

AS FOLLOWS Lease WM UNIT Well No. 1-35 Customer Order No.

Sec. Twp. _____
Range 35-20-14W County BARTON State KS

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED
BEFORE WORK IS COMMENCED

Well Owner or Operator

By _____ Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
20.0001	20	Mileage P.U.	\$4.00	\$80.00
20.0002	20	Mileage P.T.	\$6.00	\$120.00
20.0005	1	Pump Charge Surface	\$1,150.00	\$1,150.00
20.1001	425	Common Cement Sack	\$17.50	\$7,437.50
20.1012	24	Calcium Chloride per 50 lb.	\$42.00	\$1,008.00
20.0011	449	Bulk Charge	\$1.25	\$561.25
20.0012	205.75	Bulk Truck Miles	\$1.10	\$226.33
		Process License Fee on Gallons		
		TOTAL BILLING		\$10,583.08

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Copeland Representative **GREG C.**

Station GB WILL DARRAH
Well Owner, Operator or Agent

Well Owner, Operator or Agent

Remarks	
---------	--

NET 30 DAYS

[illegible]

COPELAND

Acid & Cement

BURRTON, KS ● GREAT BEND, KS
(620) 463-5161 (620) 793-3366
FAX (620) 463-2104 FAX (620) 793-3536

POST OFFICE BOX 438
HAYSVILLE, KS 67060
(316) 524-1225
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Invoice

Page: 1

INVOICE NUMBER:
C61025-IN

BILL TO:

DARRAH OIL COMPANY LLC
PO BOX 2786
WICHITA, KS 67202-2786

LEASE: WM UNIT 1-35

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER		SPECIAL INSTRUCTIONS	
03/13/2024	61025		03/11/2024	WM UNIT 1-35		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION			D/C	PRICE	EXTENSION
		NEW WELL					
20.00	MI	MILEAGE CEMENT PUMP TRUCK			0.00	6.00	120.00
1.00	EA	PUMP CHARGE ROTART PLUG			0.00	1,150.00	1,150.00
240.00	SK	60/40 POZ MIX 2% GEL			0.00	13.85	3,324.00
5.00	SK	2% ADDITIONAL GEL			0.00	25.25	126.25
60.00	LB	CELLO-FLAKES			0.00	3.25	195.00
1.00	EA	8 5/8" WOOD PLUG			0.00	65.00	65.00
247.00	EA	BULK CHARGE			0.00	1.25	308.75
1.00	MI	BULK TRUCK - TON MILES-MIN CHG			0.00	150.00	150.00
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		COP FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.			Net Invoice: BATCO Sales Tax: Invoice Total:		5,439.00 263.64 <u>5,702.64</u>
RECEIVED BY		NET 30 DAYS					

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days pas

Copeland Acid & Cement is a subsidiary of Gressel Oil Field Service

Gressel Oil Field Service reserves a security interest in the goods sold until the same are paid for in full and reserve all the rights of a secured party under the Uniform Commercial Code.



NEW WELL

FIELD
ORDER

N^o C 61025

BOX 438 - HAYSVILLE, KANSAS 67060
316-524-1225

DATE 11-Mar 20 24

IS AUTHORIZED BY: DARRAH OIL

(NAME OF CUSTOMER)

Address City State KS

TO TREAT WELL

AS FOLLOWS Lease WM UNIT Well No. 1-35 Customer Order No.

Sec. Twp.

Range 35-20-14W County BARTON State KS

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED
BEFORE WORK IS COMMENCED

Well Owner or Operator

By

Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
20.0002	20	Mileage P.T.	\$6.00	\$120.00
20.0006	1	Pump Charge Rotary Plug	\$1,150.00	\$1,150.00
20.1002	240	60/40 Poz 2% Gel	\$13.85	\$3,324.00
20.1004	5	Add. Gel after 2% Per Sack	\$25.25	\$126.25
20.1013	60	Celloflake per lb.	\$3.25	\$195.00
20.202	1	8 5/8" Wood Plug	\$65.00	\$65.00
20.0011	247	Bulk Charge	\$1.25	\$308.75
20.0012	108.4	Bulk Truck Miles	MIN	\$150.00
		Process License Fee on Gallons		
		TOTAL BILLING		\$5,439.00

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Copeland Representative GREG C.

Station GB

WILL DARRAH

Well Owner, Operator or Agent

Remarks

NET 30 DAYS

[illegible]



DRILL STEM TEST REPORT

Prepared For: **Darrah Oil Company**

125 N Market STE 1425 Wichita KS 67202

ATTN: Saman Sharifaie

WM Unit #1-35

35-20S-14W Barton,KS

Start Date: 2024.03.10 @ 23:30:00

End Date: 2024.03.11 @ 06:12:15

Job Ticket #: 71852 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.03.19 @ 11:14:48

Darrah Oil Company

35-20S-14W Barton,KS

WM Unit #1-35

DST # 3

Arbuckle

2024.03.10



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Darrah Oil Company

125 N Market STE 1425 Wichita KS 67202

ATTN: Saman Sharifaie

35-20S-14W Barton, KS

WM Unit #1-35

Job Ticket: 71852

DST#: 3

Test Start: 2024.03.10 @ 23:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:19:30

Time Test Ended: 06:12:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: **3510.00 ft (KB) To 3600.00 ft (KB) (TVD)**

Total Depth: 3600.00 ft (KB) (TVD)

Hole Diameter: 7.79 inches Hole Condition: Good

Reference Elevations: 1910.00 ft (KB)

1907.00 ft (CF)

KB to GR/CF: 3.00 ft

Serial #: **8355** Inside

Press@RunDepth: 848.12 psig @ 3586.00 ft (KB)

Start Date: 2024.03.10

End Date:

2024.03.11

Start Time: 23:30:01

End Time:

06:12:15

Capacity: 8000.00 psig

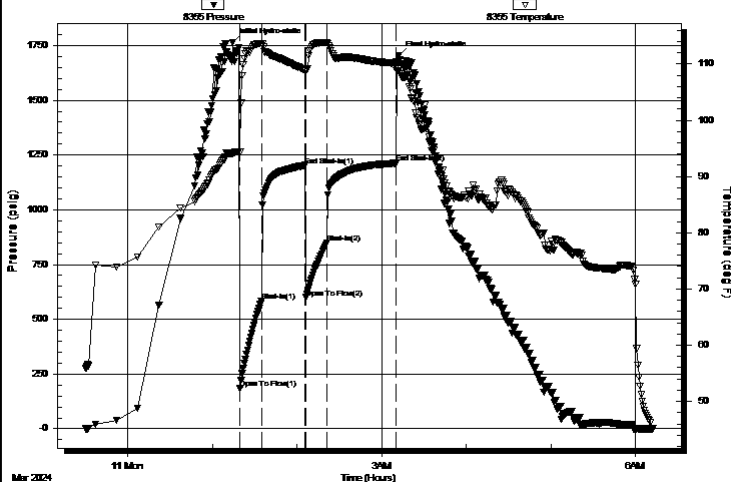
Last Calib.: 1899.12.30

Time On Btm: 2024.03.11 @ 01:14:15

Time Off Btm: 2024.03.11 @ 03:12:00

TEST COMMENT: 15-IF: Strong blow BOB in 1 minute Built to 150"
30-ISI: No Returns
15-FF: Strong blow BOB in 1 minute 20 seconds built to 120"
45-FSI: No Returns

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1764.29	94.10	Initial Hydro-static
6	186.24	94.28	Open To Flow (1)
21	582.54	113.66	Shut-In(1)
51	1202.62	108.89	End Shut-In(1)
52	598.69	108.76	Open To Flow (2)
67	848.12	113.83	Shut-In(2)
116	1212.68	110.14	End Shut-In(2)
118	1705.50	108.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
544.00	MW 25%M 75%W	6.53
543.00	MW 15%M 85%W	7.62
543.00	MW 5%M 95%W	7.62

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

Darrah Oil Company

125 N Market STE 1425 Wichita KS 67202

ATTN: Saman Sharifaie

35-20S-14W Barton, KS

WM Unit #1-35

Job Ticket: 71852

DST#: 3

Test Start: 2024.03.10 @ 23:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:19:30

Time Test Ended: 06:12:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: **3510.00 ft (KB) To 3600.00 ft (KB) (TVD)**

Total Depth: 3600.00 ft (KB) (TVD)

Hole Diameter: 7.79 inches Hole Condition: Good

Reference Elevations: 1910.00 ft (KB)

1907.00 ft (CF)

KB to GR/CF: 3.00 ft

Serial #: **8289** Outside

Press@RunDepth: psig @ 3586.00 ft (KB)

Start Date: 2024.03.10

End Date:

2024.03.11

Start Time: 23:30:01

End Time:

06:12:15

Capacity: 8000.00 psig

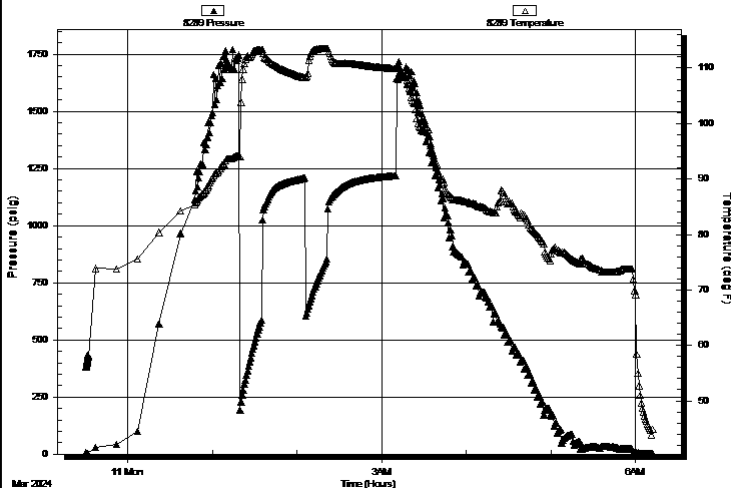
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: 15-IF: Strong blow BOB in 1 minute Built to 150"
30-ISI: No Returns
15-FF: Strong blow BOB in 1 minute 20 seconds built to 120"
45-FSI: No Returns

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
544.00	MW 25%M 75%W	6.53
543.00	MW 15%M 85%W	7.62
543.00	MW 5%M 95%W	7.62

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

Darrah Oil Company

35-20S-14W Barton, KS

125 N Market STE 1425 Wichita KS 67202

WM Unit #1-35

Job Ticket: 71852

DST#: 3

ATTN: Saman Sharifaie

Test Start: 2024.03.10 @ 23:30:00

Tool Information

Drill Pipe:	Length:	3377.00 ft	Diameter:	3.80 inches	Volume:	47.37 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:	121.00 ft	Diameter:	2.25 inches	Volume:	0.60 bbl	Weight to Pull Loose:	68000.00 lb
					Total Volume:	47.97 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		18.00 ft					String Weight: Initial	59000.00 lb
Depth to Top Packer:		3510.00 ft					Final	66000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		90.00 ft						
Tool Length:		120.00 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		3481.00	
Shut In Tool	5.00		3486.00	
Hydraulic tool	8.00	Fluid	3494.00	
EM	4.00		3498.00	
Safety Joint	3.00		3501.00	
Packer	5.00		3506.00	30.00 Bottom Of Top Packer
Packer	4.00		3510.00	
Stubb	1.00		3511.00	
Perforations	5.00		3516.00	
Change Over Sub	1.00		3517.00	
Drill Pipe	63.00		3580.00	
Change Over Sub	1.00		3581.00	
Recorder Carrier	5.00		3586.00	
Recorder	0.00	8355 Inside	3586.00	
Recorder	0.00	8289 Outside	3586.00	
Perforations	11.00		3597.00	
Bullnose	3.00		3600.00	90.00 Bottom Packers & Anchor
Total Tool Length:	120.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil Company

35-20S-14W Barton,KS

125 N Market STE 1425 Wichita KS 67202

WM Unit #1-35

Job Ticket: 71852

DST#: 3

ATTN: Saman Sharifaie

Test Start: 2024.03.10 @ 23:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 7.39 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity: 14000 ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
544.00	MW 25%M 75%W	6.529
543.00	MW 15%M 85%W	7.617
543.00	MW 5%M 95%W	7.617

Total Length: 1630.00 ft

Total Volume: 21.763 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8355

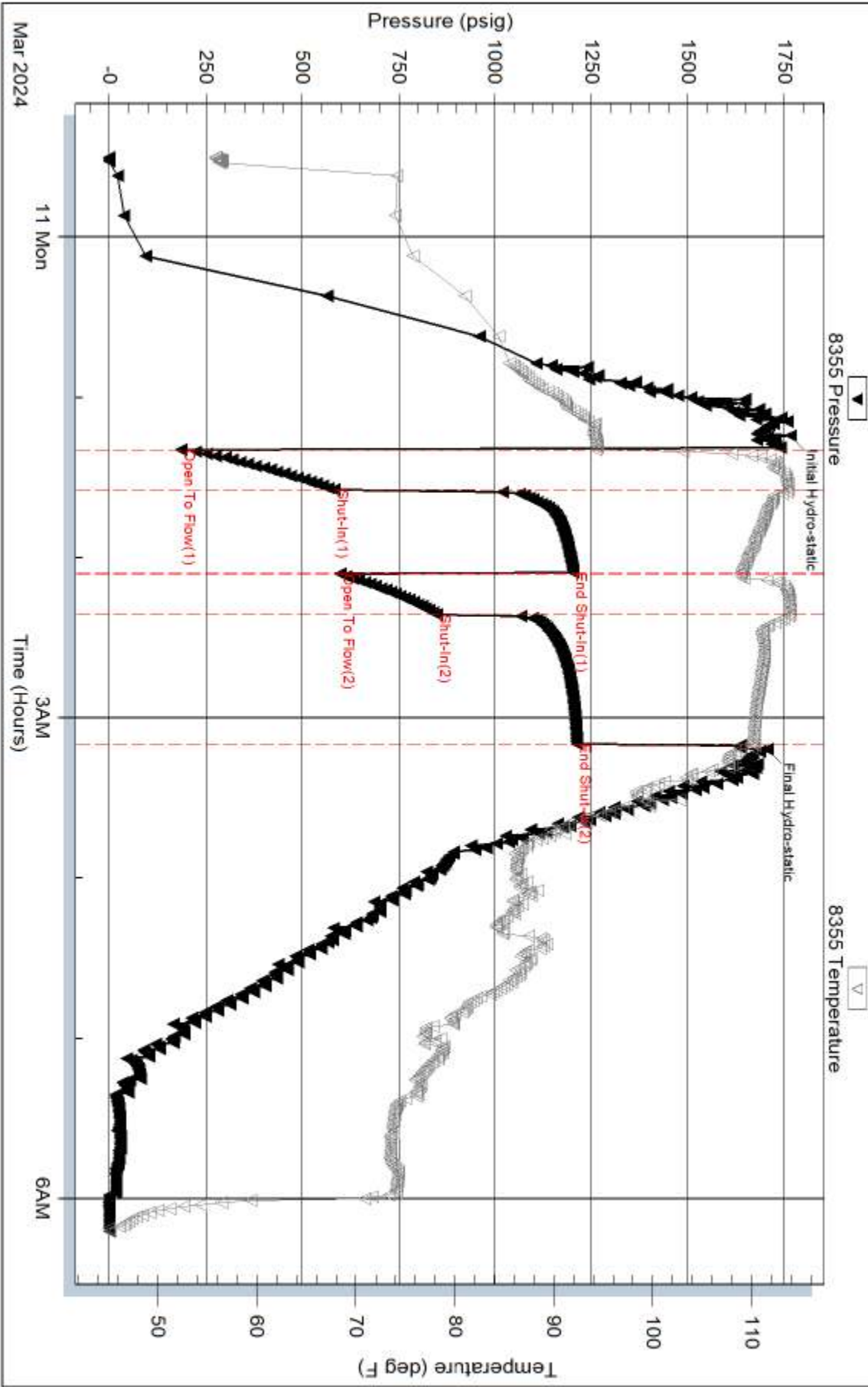
Inside

Darrah Oil Company

WM Unit #1-35

DST Test Number: 3

Pressure vs. Time

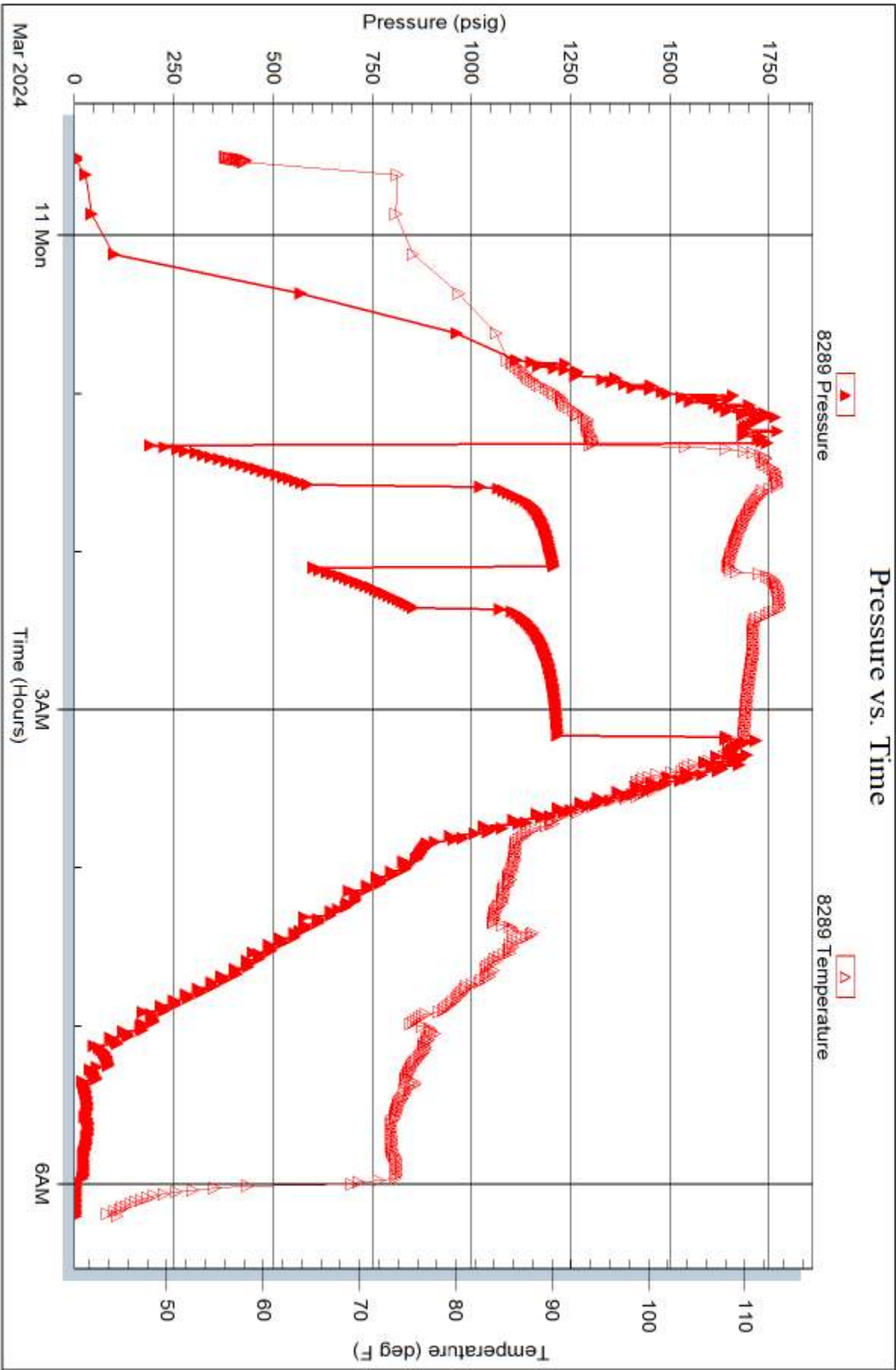


Serial #: 8289

Outside Darrah Oil Company

WM Unit #1-35

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Darrah Oil Company**

125 N Market STE 1425
Wichita KS 67202

ATTN: Saman Sharifaie

WM Unit #1-35

35-20S-14W Barton,KS

Start Date: 2024.03.08 @ 23:47:00

End Date: 2024.03.09 @ 07:15:15

Job Ticket #: 69425 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.03.19 @ 11:37:43



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Darrah Oil Company

125 N Market STE 1425
Wichita KS 67202

ATTN: Saman Sharifaie

35-20S-14W Barton, KS

WM Unit #1-35

Job Ticket: 69425

DST#: 1

Test Start: 2024.03.08 @ 23:47:00

GENERAL INFORMATION:

Formation: LKC 'A-F'

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:14:30

Time Test Ended: 07:15:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Richie Samora

Unit No: 66

Interval: 3303.00 ft (KB) To 3360.00 ft (KB) (TVD)

Total Depth: 3360.00 ft (KB) (TVD)

Hole Diameter: 7.79 inches Hole Condition: Good

Reference Elevations: 1910.00 ft (KB)

1907.00 ft (CF)

KB to GR/CF: 3.00 ft

Serial #: 8355 Inside

Press@RunDepth: 58.65 psig @ 3344.00 ft (KB)

Start Date: 2024.03.08

End Date:

2024.03.09

Start Time: 23:47:01

End Time:

07:15:15

Capacity: 8000.00 psig

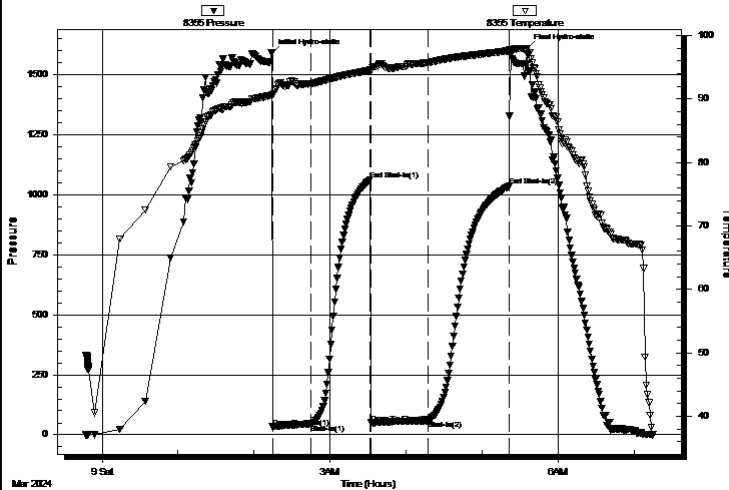
Last Calib.: 1899.12.30

Time On Btm: 2024.03.09 @ 02:13:30

Time Off Btm: 2024.03.09 @ 05:35:30

TEST COMMENT: 30-IF: Weak surface blow built to 1.5"
45-ISI: No returns
45-FF: Weak blow came 3 minutes into Final Flow built to 1.25"
45-FSI: No returns

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1590.54	90.52	Initial Hydro-static
1	33.14	90.62	Open To Flow (1)
32	45.40	92.39	Shut-In(1)
78	1062.57	94.52	End Shut-In(1)
79	49.22	94.56	Open To Flow (2)
124	58.65	95.73	Shut-In(2)
188	1036.22	97.58	End Shut-In(2)
202	1610.47	97.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	SOCM 1%O 99%M	0.07

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Test Start: 2024.03.08 @ 23:47:00

KB to GR/CF: 3.00 ft



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Darrah Oil Company

35-20S-14W Barton, KS

125 N Market STE 1425
Wichita KS 67202

WM Unit #1-35

Job Ticket: 69425

DST#: 1

ATTN: Saman Sharifaie

Test Start: 2024.03.08 @ 23:47:00

Tool Information

Drill Pipe:	Length:	3188.00 ft	Diameter:	3.80 inches	Volume:	44.72 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:	121.00 ft	Diameter:	2.25 inches	Volume:	0.60 bbl	Weight to Pull Loose:	60000.00 lb
					Total Volume:	45.32 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		36.00 ft					String Weight: Initial	57000.00 lb
Depth to Top Packer:		3303.00 ft					Final	57000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		57.00 ft						
Tool Length:		87.00 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		3274.00	
Shut In Tool	5.00		3279.00	
Hydraulic tool	8.00	Fluid	3287.00	
EM	4.00		3291.00	
Safety Joint	3.00		3294.00	
Packer	5.00		3299.00	30.00 Bottom Of Top Packer
Packer	4.00		3303.00	
Stubb	1.00		3304.00	
Perforations	2.00		3306.00	
Change Over Sub	1.00		3307.00	
Drill Pipe	31.00		3338.00	
Change Over Sub	1.00		3339.00	
Recorder Carrier	5.00		3344.00	
Recorder	0.00	8355 Inside	3344.00	
Recorder	0.00	8289 Outside	3344.00	
Perforations	13.00		3357.00	
Bullnose	3.00		3360.00	57.00 Bottom Packers & Anchor
Total Tool Length:	87.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil Company

35-20S-14W Barton, KS

125 N Market STE 1425
Wichita KS 67202

WM Unit #1-35

Job Ticket: 69425

DST#: 1

ATTN: Saman Sharifaie

Test Start: 2024.03.08 @ 23:47:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 5.39 in³

Resistivity: ohm.m

Salinity: 900.00 ppm

Filter Cake: 0.20 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
15.00	SOCM 1%O 99%M	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8355

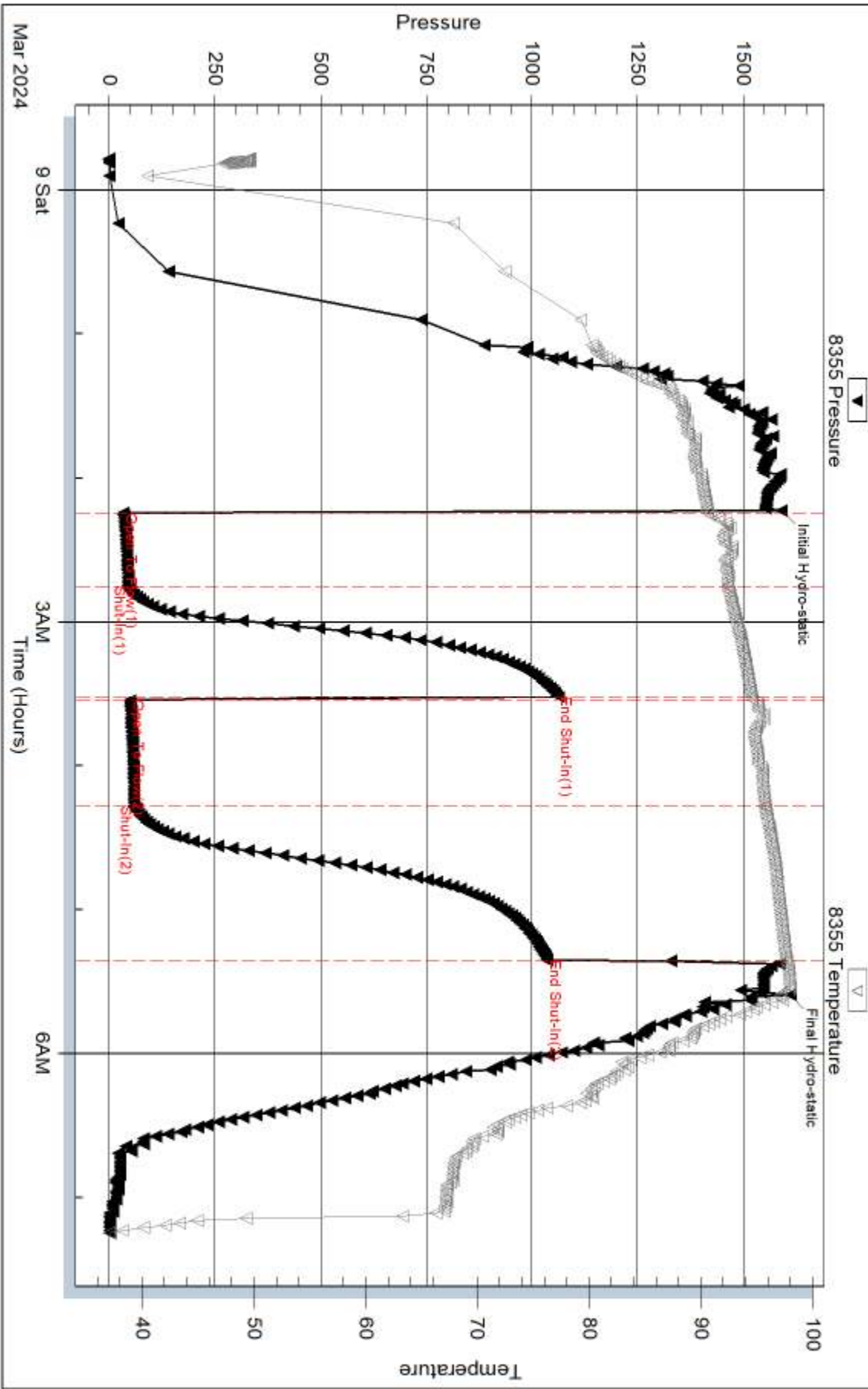
Inside

Darrah Oil Company

WM Unit #1-35

DST Test Number: 1

Pressure vs. Time

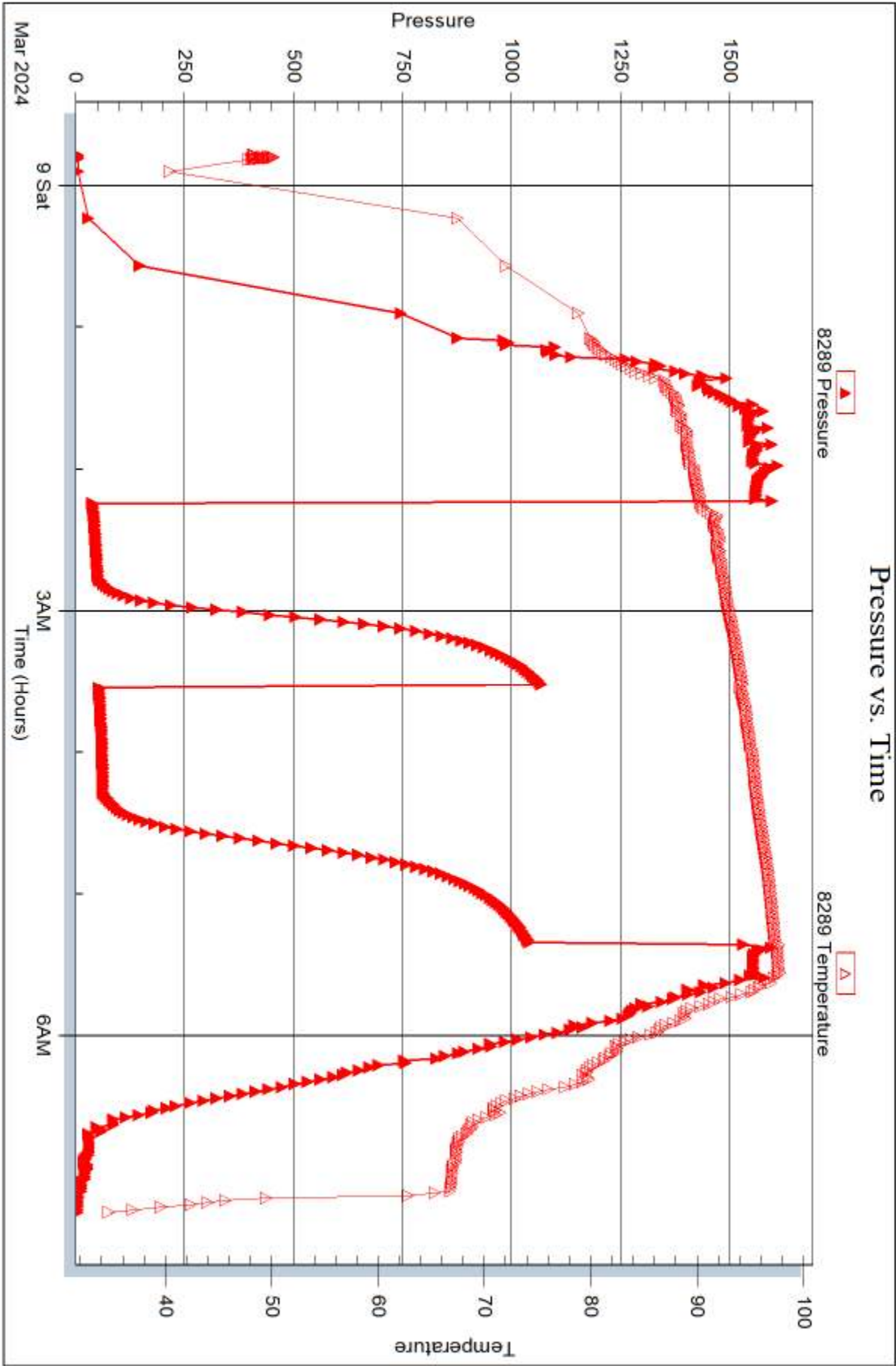


Serial #: 8289

Outside Darrah Oil Company

WM Unit #1-35

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Darrah Oil Company**

125 N Market STE 1425 Wichita KS 67202

ATTN: Saman Sharifaie

WM Unit #1-35

35-20S-14W Barton,KS

Start Date: 2024.03.09 @ 23:20:00

End Date: 2024.03.10 @ 06:08:00

Job Ticket #: 71851 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.03.19 @ 11:24:17



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Darrah Oil Company

125 N Market STE 1425 Wichita KS 67202

ATTN: Saman Sharifaie

35-20S-14W Barton, KS

WM Unit #1-35

Job Ticket: 71851

DST#: 2

Test Start: 2024.03.09 @ 23:20:00

GENERAL INFORMATION:

Formation: LKC 'H-K'

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:26:15

Time Test Ended: 06:08:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: 3428.00 ft (KB) To 3510.00 ft (KB) (TVD)

Total Depth: 3510.00 ft (KB) (TVD)

Hole Diameter: 7.79 inches Hole Condition: Good

Reference Elevations: 1910.00 ft (KB)

1907.00 ft (CF)

KB to GR/CF: 3.00 ft

Serial #: 8355 Inside

Press@RunDepth: 81.61 psig @ 3499.00 ft (KB)

Start Date: 2024.03.09

End Date:

2024.03.10

Start Time: 23:20:01

End Time:

06:08:00

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2024.03.10 @ 01:25:15

Time Off Btm: 2024.03.10 @ 04:23:15

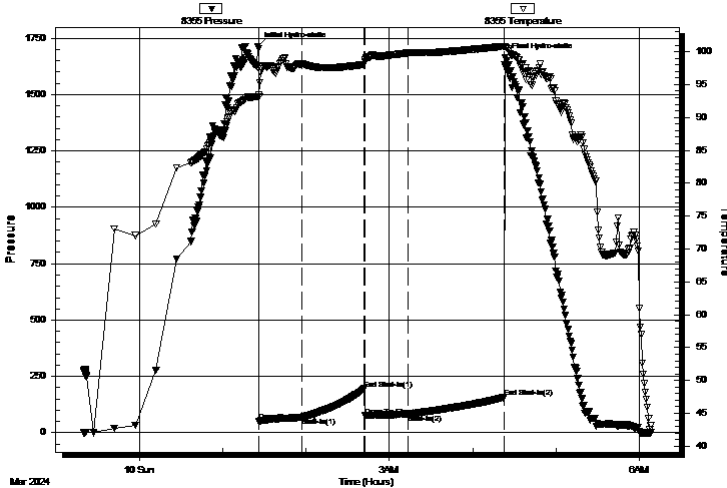
TEST COMMENT: 30-IF: Fairn surface blow built to 2"

45-ISI: No returns

30- FF: Weak blow built to .5"

60-FSI: No returns

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1711.57	93.22	Initial Hydro-static
1	50.18	93.20	Open To Flow (1)
32	68.37	98.09	Shut-In(1)
77	195.28	98.06	End Shut-In(1)
77	75.16	98.49	Open To Flow (2)
108	81.61	99.82	Shut-In(2)
177	156.49	100.81	End Shut-In(2)
178	1664.10	100.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MUD 100-%M	0.30

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Darrah Oil Company

125 N Market STE 1425 Wichita KS 67202

ATTN: Saman Sharifaie

35-20S-14W Barton, KS

WM Unit #1-35

Job Ticket: 71851

DST#: 2

Test Start: 2024.03.09 @ 23:20:00

GENERAL INFORMATION:

Formation: **LKC 'H-K'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:26:15

Time Test Ended: 06:08:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: **3428.00 ft (KB) To 3510.00 ft (KB) (TVD)**

Total Depth: 3510.00 ft (KB) (TVD)

Hole Diameter: 7.79 inches Hole Condition: Good

Reference Elevations: 1910.00 ft (KB)

1907.00 ft (CF)

KB to GR/CF: 3.00 ft

Serial #: **8289** Outside

Press@RunDepth: psig @ 3499.00 ft (KB)

Start Date: 2024.03.09

End Date:

2024.03.10

Start Time: 23:20:01

End Time:

06:07:45

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

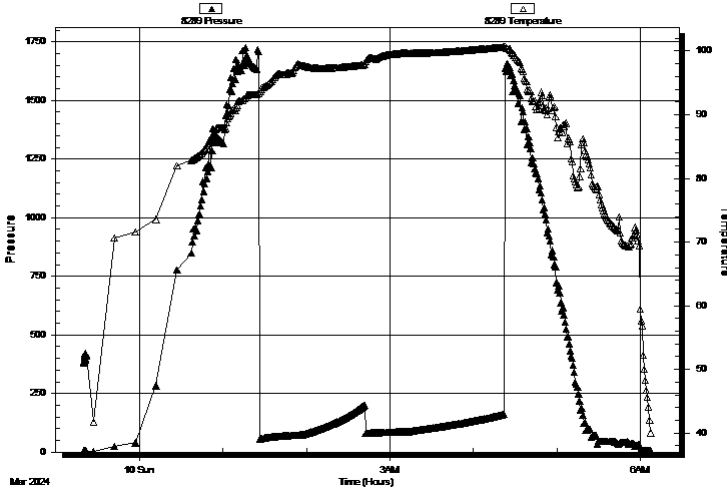
TEST COMMENT: 30-IF: Fairn surface blow built to 2"

45-ISI: No returns

30- FF: Weak blow built to .5"

60-FSI: No returns

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MUD 100-%M	0.30

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Darrah Oil Company

35-20S-14W Barton, KS

125 N Market STE 1425 Wichita KS 67202

WM Unit #1-35

Job Ticket: 71851

DST#: 2

ATTN: Saman Sharifaie

Test Start: 2024.03.09 @ 23:20:00

Tool Information

Drill Pipe:	Length:	3309.00 ft	Diameter:	3.80 inches	Volume:	46.42 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:	121.00 ft	Diameter:	2.25 inches	Volume:	0.60 bbl	Weight to Pull Loose:	60000.00 lb
					Total Volume:	47.02 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		32.00 ft					String Weight: Initial	57000.00 lb
Depth to Top Packer:		3428.00 ft					Final	57000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		82.00 ft						
Tool Length:		112.00 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		3399.00	
Shut In Tool	5.00		3404.00	
Hydraulic tool	8.00	Fluid	3412.00	
EM	4.00		3416.00	
Safety Joint	3.00		3419.00	
Packer	5.00		3424.00	30.00 Bottom Of Top Packer
Packer	4.00		3428.00	
Stubb	1.00		3429.00	
Change Over Sub	1.00		3430.00	
Drill Pipe	63.00		3493.00	
Change Over Sub	1.00		3494.00	
Recorder Carrier	5.00		3499.00	
Recorder	0.00	8355 Inside	3499.00	
Recorder	0.00	8289 Outside	3499.00	
Perforations	8.00		3507.00	
Bullnose	3.00		3510.00	82.00 Bottom Packers & Anchor
Total Tool Length:	112.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil Company

35-20S-14W Barton, KS

125 N Market STE 1425 Wichita KS 67202

WM Unit #1-35

Job Ticket: 71851

DST#: 2

ATTN: Saman Sharifaie

Test Start: 2024.03.09 @ 23:20:00

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: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MUD 100-%M	0.295

Total Length: 60.00 ft

Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8355

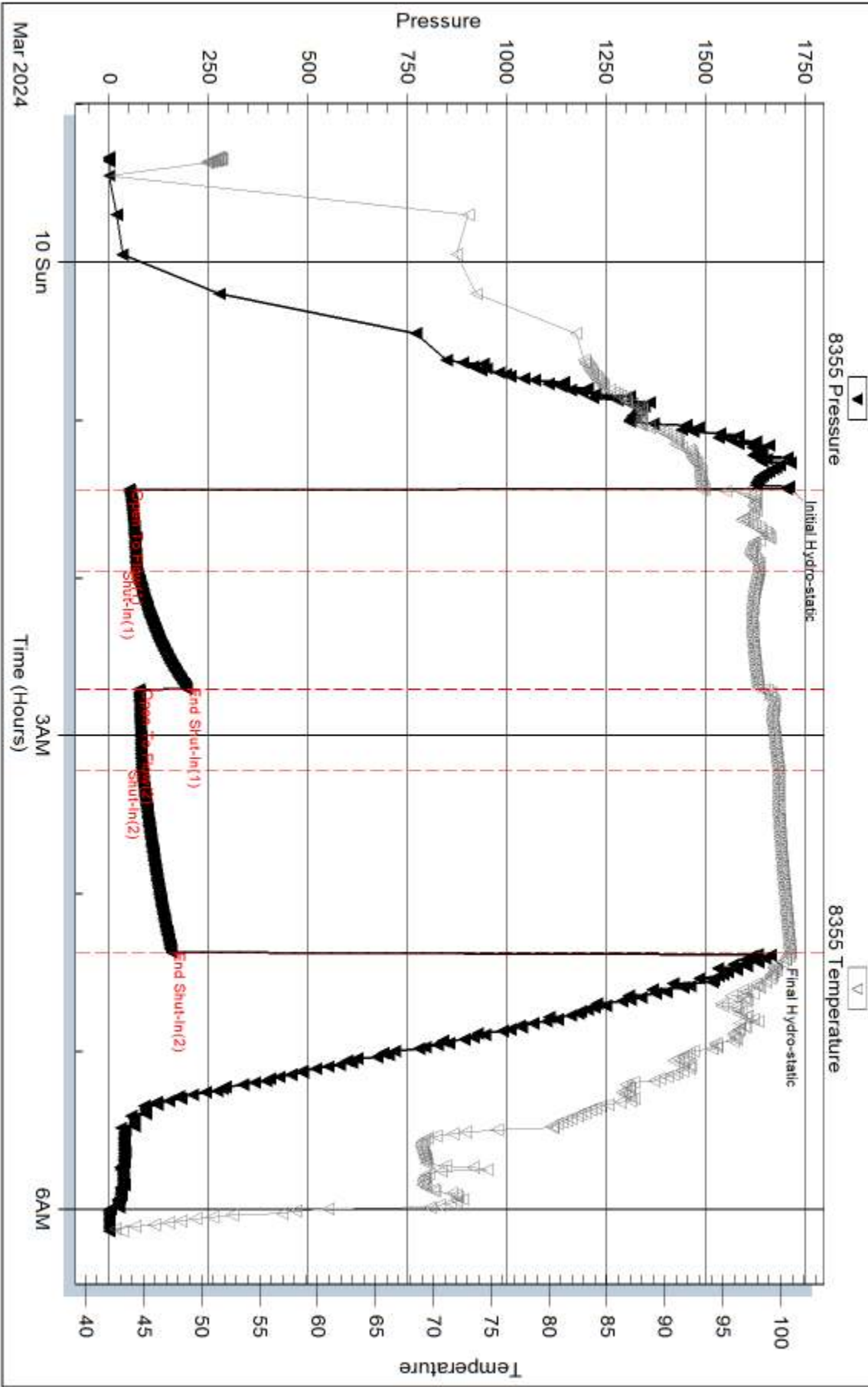
Inside

Darrah Oil Company

WM Unit #1-35

DST Test Number: 2

Pressure vs. Time

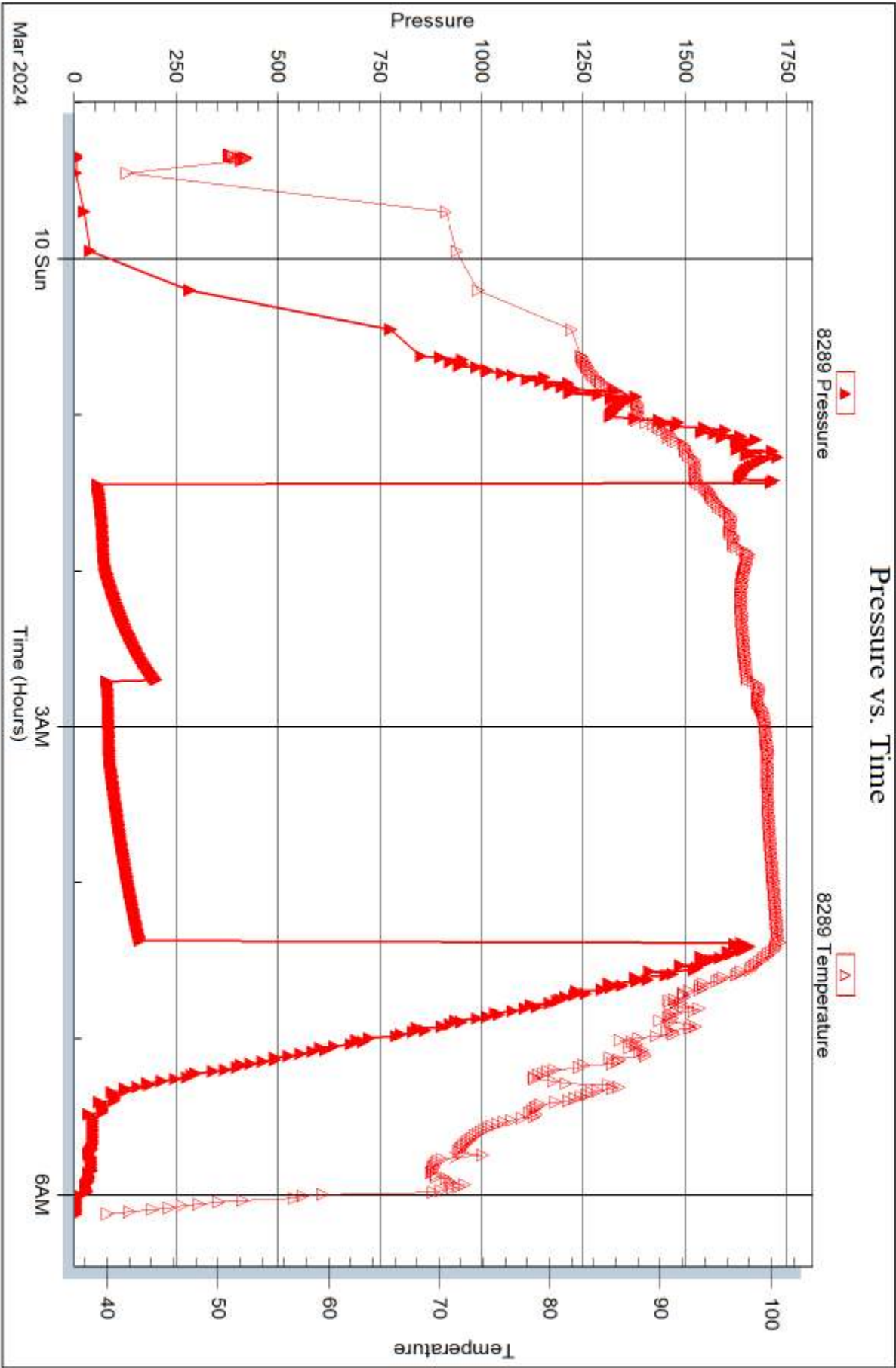


Serial #: 8289

Outside Darrah Oil Company

WM Unit #1-35

DST Test Number: 2





TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69425

Well Name & No. WM Unit 1-35 Test No. 1 Date 3-8-23
Company Darrah Oil Company Elevation 1900 KB 1907 GL
Address 125 N Market Suite 1425 Wichita KS 67202
Co. Rep / Geo. Saman Sharita Rig Pickrel 11
Location: Sec. 35 Twp 20S Rge. 14W Co. Barton State KS

Interval Tested 3303-3360 Zone Tested Larson A-F
Anchor Length 5 Drill Pipe Run 3188 Mud Wt. 9.0
Top Packer Depth 3298 Drill Collars Run 121 Vis 6.0
Bottom Packer Depth 3303 Wt. Pipe Run 0 WL 5.4
Total Depth 3360 Chlorides 900 ppm System LCM 1#

Blow Description IF: Weak blow built to 1.5"
151: No Returns
FF: Weak blow 3 minutes into flow built to 1.25"
FS1: No Returns

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>50cm</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>99</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 15 BHT 97.7 Gravity 1.14 API RW 16 F Chlorides 1.14 ppm
(A) Initial Hydrostatic 1591 ☒ Test 1800 T-On Location 2315
(B) First Initial Flow 33 ☐ Jars T-Started 0:10
(C) First Final Flow 45 ☐ Safety Joint T-Open 2:15
(D) Initial Shut-In 1063 ☐ Circ Sub T-Pulled 5:15
(E) Second Initial Flow 49 ☐ Hourly Standby T-Out 7:15
(F) Second Final Flow 59 ☒ Mileage 11 38.50 Comments Rate 2347
(G) Final Shut-In 1036 ☐ Sampler
(H) Final Hydrostatic 1610 ☐ Straddle

Initial Open 39 ☒ EM Tool Didn't Work
Initial Shut-In 45 ☐ Ruined Shale Packer
Final Flow 45 ☐ Ruined Packer
Final Shut-In 60 ☐ Extra Copies
Sub Total -350
Total 1488.50
Sub Total MP/DST Disc't

Approved By _____

Our Representative Sam Sharita

Tribolite Testing Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

785-650-9628



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 71851

Well Name & No. W/M Unit 1-35 Test No. Z Date 3-9-24
Company Parish Oil Company Elevation 1912 KB 1909 GL
Address 125 N Market 1015 Wichita KS 67202
Co. Rep / Geo Samuel Sharif Rig Pickall
Location: Sec. 35 Twp 20S Rge. 14W Co. Barton State KS

Interval Tested 3428-3510 Zone Tested LKC H-K
Anchor Length 82' Drill Pipe Run 3309 Mud Wt. 9.0
Top Packer Depth 3423 Drill Collars Run 121 Vis 58
Bottom Packer Depth 3428 Wt. Pipe Run 0 WL 6.4
Total Depth 3510 Chlorides 900 ppm System LCM 2H
Blow Description IF: Fair Surface blow built to 2"
ISI: No Returns
FF: Inqak blow built to 5"
FSI: No Returns

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>60</u>	Feet of <u>MUD</u>	<u>0</u> %gas	<u>0</u> %oil	<u>0</u> %water	<u>100</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>Gas interval</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 60' BHT 101.2 Gravity N/A API RW N/A *F.Chlorides N/A ppm

Initial Hydrostatic 1712 ☒ Test 1800 ☐ Ruined Shale Packer
Initial Flow 50 to 68 ☐ Jars ☐ Ruined Packer
Initial Shut-In 195 ☐ Circ Sub ☐ Hotel
Final Flow 75 to 82 ☐ Hourly Standby ☒ EM Tool Successful Didn't work
Final Shut-In 156 ☒ Mileage 32 38.50 ☐ Accessibility
Final Hydrostatic 1664 ☐ Sampler ☐ Gas Sample

T-On Location 23:00 ☐ Straddle ☐ Oversized Hole
Initial Flow 30 T-Started 2355 ☐ Shale Packer ☐ Sub Total -350
Initial Shut-In 45 T-Open 01:27 ☐ Extra Packer ☐ Total 1488.50
Final Flow 30 T-Pulled 05:13 ☐ Extra Recorder ☐ Tool Loaded @
Final Shut-In 60 T-Out 0:10 ☐ Day Standby ☐ MP/DST Disc't

Comments Batho 2320

1:59-3:00 Time Change

Approved By _____ Our Representative Pickall

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. **71852**

Well Name & No. h/m Unit 1-35 Test No. 3 Date 3-10-24
Company Dorrah Oil Company Elevation 1912 KB 1909 GL
Address 125 N Market Suite 1015 Wichita KS 67202
Co. Rep / Geo Samon Sharif Rig Pickrell
Location: Sec. 35 Twp 20S Rge. 14W Co. Barton State KS

Interval Tested 3510-3600 Zone Tested Arbuckle
Anchor Length 90' Drill Pipe Run 3377 Mud Wt. 9.1
Top Packer Depth 3500 Drill Collars Run 121 Vis 55
Bottom Packer Depth 3510 Wt. Pipe Run 0 WL 6.8
Total Depth 3600 Chlorides 3,000 ppm System LCM 2H

Blow Description IF: Strong blow BOB in 1 minute built to 150"
SI: No Returns

FF: BOB in 1 minute 20 seconds built to 122"
FSI: No Returns

Rec <u>544</u>	Feet of <u>MW</u>	<u>0</u> %gas	<u>0</u> %oil	<u>75</u> %water	<u>25</u> %mud
Rec <u>543</u>	Feet of <u>MW</u>	<u>0</u> %gas	<u>0</u> %oil	<u>85</u> %water	<u>15</u> %mud
Rec <u>543</u>	Feet of <u>MW</u>	<u>0</u> %gas	<u>0</u> %oil	<u>95</u> %water	<u>5</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 Total 1630 BHT 113.8 Gravity N/A API RW 744 @ 42 °F Chlorides 14,000 ppm

Initial Hydrostatic 1764 ☒ Test 1800 ☐ Ruined Shale Packer

Initial Flow 186 to 583 ☐ Jars ☐ Ruined Packer

Initial Shut-In 1203 ☐ Circ Sub ☐ Hotel

Final Flow 599 to 848 ☐ Hourly Standby ☒ EM Tool Successful Didn't work

Final Shut-In 1213 ☒ Mileage (22) 38.50 ☐ Accessibility

Final Hydrostatic 1706 ☐ Sampler ☐ Gas Sample

T- On Location 22:52 ☐ Straddle ☐ Oversized Hole

Initial Flow 15 T-Started 00:00 ☐ Shale Packer ☐ Sub Total -350

Initial Shut-In 30 T-Open 01:20 ☐ Extra Packer ☐ Total 1488.50

Final Flow 15 T-Pulled 03:08 ☒ Extra Recorder ☐ Tool Loaded @

Final Shut-In 45 T-Out 06:15 ☐ Day Standby ☐ MP/DST Disc't

Comments Baths @ 23:30

Approved By _____ Our Representative Pauli Samon

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Saman Sharifaie
Petroleum Geologist

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY **Darrath Oil Company, LLC**

LEASE **WM Unit #1-35**

FIELD **Pritchard**

LOCATION **1840' FSL & 2462' FEL**

SEC **35** TWP **20S** RGE **14W**

COUNTY **Barton** STATE **Kansas**

CONTRACTOR **Pickrell Drilling #10**

SPUD **03/04/24** COMP **03/11/24**

RTD **3600'** LTD **N/A**

MUD UP **2800'** TYPE MUD **Chemical**

SAMPLES SAVED FROM **2900'** TO RTD

DRILLING TIME KEPT FROM **2800'** TO RTD

SAMPLES EXAMINED FROM **2900'** TO RTD

GEOLOGICAL SUPERVISION FROM **2600'**

REFERENCE WELL **Darrath Oil - Gault 35A #1**

ELEVATIONS

KB **1916'**

DF **_____**

GL **1909'**

Measurements Are All From Kelly Bushing

CASING

CONDUCTOR

SURFACE **8-5/8"** at **428'**

PRODUCTION **N/A**

ELECTRICAL SURVEYS

None

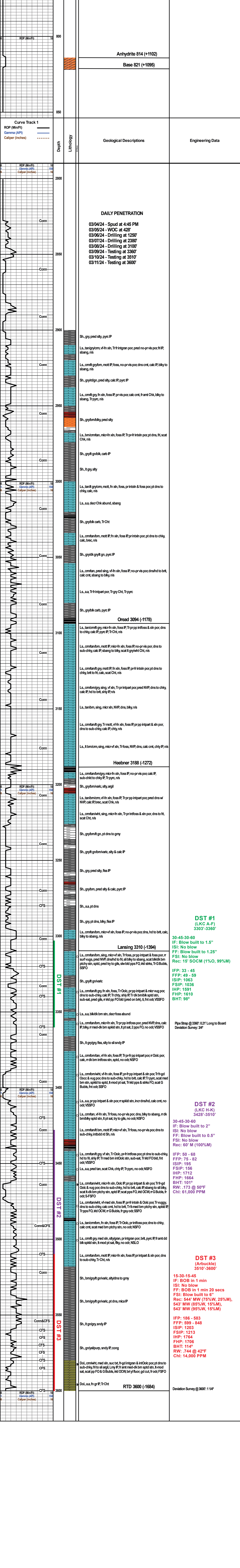
Formation	Sample Tops	E-log Tops	Struct Pos.
Atchafalaya	814 (-1102)		-19
Oread	3094 (-1178)		-17
Heebner	3188 (-1272)		-15
Lansing	3310 (-1394)		-15
Muncie Creek	3438 (-1522)		-21
Stark	3486 (-1570)		-13
Huspnuckney	3518 (-1601)		-11
Arbuckle	3581 (-1665)		-34

REMARKS Due to poor shows of oil in multiple potential pay zones and negative DST results, it is recommended and agreed upon by all parties that this well be plugged and abandoned.

Respectfully Submitted,

Saman Sharifaie
Petroleum Geologist

API #15-009-26413



DST #1
(LKC A-F)
3303'-3360'

30-45-30-60
IF: Blow built to 1.5"
ISI: No blow
FF: Blow built to 1.25"
FSI: No blow
Rec: 15' SOCM (1%O, 99%M)

IFP: 33 - 45
FFP: 49 - 59
ISIP: 1063
FSIP: 1036
IHP: 1591
FHP: 1610
BHT: 98°

Pipe Strap @ 3360': 0.21" Long to Board
Deviation Survey: 34°

DST #2
(LKC H-K)
3428'-3510'

30-45-30-60
IF: Blow built to 2"
ISI: No blow
FF: Blow built to 0.5"
FSI: No blow
Rec: 60' M (100%M)

IFP: 50 - 68
FFP: 75 - 82
ISIP: 195
FSIP: 156
IHP: 1712
FHP: 1664
BHT: 101°
RW: .173 @ 50°F
Chl: 61,000 PPM

DST #3
(Arbuckle)
3510'-3600'

15-30-15-45
IF: BOB in 1 min
ISI: No blow
FF: BOB in 1 min 20 secs
FSI: Blow built to 6"
Rec: 544' MW (75%W, 25%M),
543' MW (85%W, 15%M),
543' MW (95%W, 15%M)

IFP: 186 - 583
FFP: 599 - 848
ISIP: 1203
FSIP: 1213
IHP: 1764
FHP: 1706
BHT: 114°
RW: .744 @ 42°F
Chl: 14,000 PPM

Deviation Survey @ 3600': 1 1/4°