

Form	ACO1 - Well Completion
Operator	Abercrombie Energy, LLC
Well Name	MORGAN 1-35
Doc ID	1773315

All Electric Logs Run

DUAL INDUCTION
DENSITY NEUTRON
SONIC
MICRO

Form	ACO1 - Well Completion
Operator	Abercrombie Energy, LLC
Well Name	MORGAN 1-35
Doc ID	1773315

Tops

Name	Top	Datum
Anhydrite	2190	2192
Base/Anhy	2206	2209
Stotler	3526	3530
Heebner	3943	3945
Lansing	3984	3985
Muncie Creek	4166	4168
Stark Shale	4274	4280
Hushpuckney	4322	4320
Marmaton	4418	4417
Pawnee	4504	4505
Ft Scott	4528	4530
Cherokee	4546	4547
Miss St Louis	4656	4662
SL 'C' Zone	4739	4740
Spergen	4943	4938

Form	ACO1 - Well Completion
Operator	Abercrombie Energy, LLC
Well Name	MORGAN 1-35
Doc ID	1773315

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	347	Surface Blend II	225	3% cc, 2% gel
Production	7.825	5.5	15.5	4988	EA2	175	0



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Abercrombie Energy llc

10209 W. Central STE2
Wichita, KS 67212

ATTN: Dave Goldak

35-20S-31W/Scott

Morgan #1-35

Job Ticket: 69411

DST#: 1

Test Start: 2024.02.10 @ 13:52:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:19:00

Time Test Ended: 20:53:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Richie Samora

Unit No: 66

Interval: **4428.00 ft (KB) To 4474.00 ft (KB) (TVD)**

Total Depth: 4474.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2906.00 ft (KB)

2899.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: **8355** Inside

Press@RunDepth: 37.39 psig @ 4434.00 ft (KB)

Start Date: 2024.02.10

End Date:

2024.02.10

Start Time: 13:52:05

End Time:

20:53:29

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2024.02.10 @ 16:18:00

Time Off Btm: 2024.02.10 @ 18:37:00

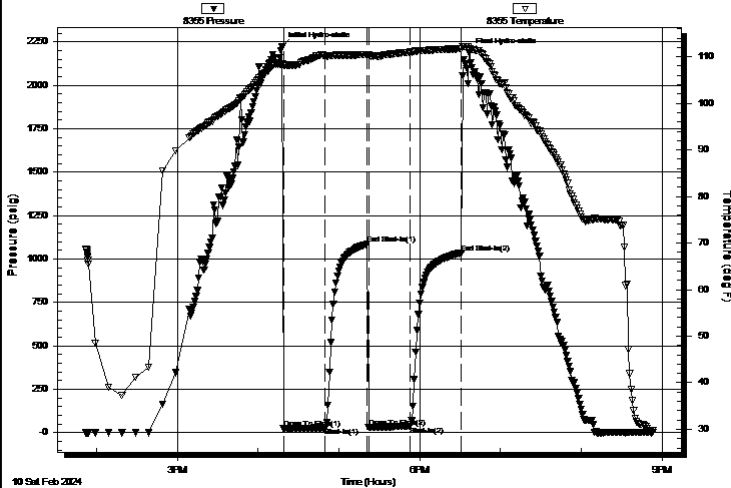
TEST COMMENT: 30- IF: Weak blow Built to .5"

30- IS: No blow back

30- FF: No blow

30- FS: No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2222.96	108.50	Initial Hydro-static
1	22.91	108.23	Open To Flow (1)
32	28.89	110.13	Shut-In(1)
63	1084.83	110.49	End Shut-In(1)
64	31.35	110.39	Open To Flow (2)
95	37.39	110.98	Shut-In(2)
133	1035.81	111.75	End Shut-In(2)
139	2189.18	111.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
12.00	OSM Less than 1%O 100%M	0.06

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

Abercrombie Energy llc

10209 W. Central STE2
Wichita, KS 67212

ATTN: Dave Goldak

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Morgan #1-35

Job Ticket: 69411

DST#: 1

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GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:19:00

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Test Type: Conventional Bottom Hole (Initial)

Tester: Richie Samora

Unit No: 66

Interval: 4428.00 ft (KB) To 4474.00 ft (KB) (TVD)

Total Depth: 4474.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2906.00 ft (KB)

2899.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8289 Outside

Press@RunDepth: psig @ 4434.00 ft (KB)

Start Date: 2024.02.10

End Date:

2024.02.10

Start Time: 13:52:01

End Time:

20:53:30

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

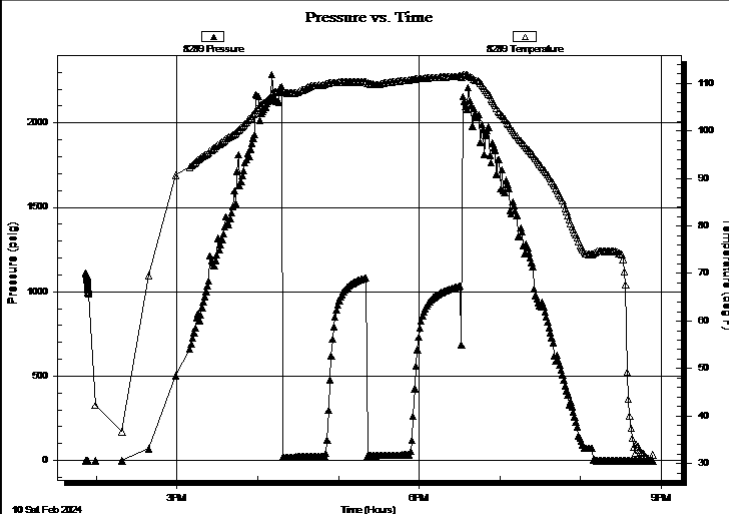
TEST COMMENT: 30- IF: Weak blow Built to .5"

30- IS: No blow back

30- FF: No blow

30- FS: No blow back

PRESSURE SUMMARY



Time
(Min.)

Pressure
(psig)

Temp
(deg F)

Annotation

Recovery

Length (ft)	Description	Volume (bbl)
12.00	OSM Less than 1%O 100%M	0.06

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Abercrombie Energy llc

35-20S-31W/Scott

10209 W. Central STE2
Wichita, KS 67212

Morgan #1-35

Job Ticket: 69411

DST#: 1

ATTN: Dave Goldak

Test Start: 2024.02.10 @ 13:52:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 6.00 in³

Resistivity: ohm.m

Salinity: 1050.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
12.00	OSM Less than 1%O 100%M	0.059

Total Length: 12.00 ft

Total Volume: 0.059 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8355

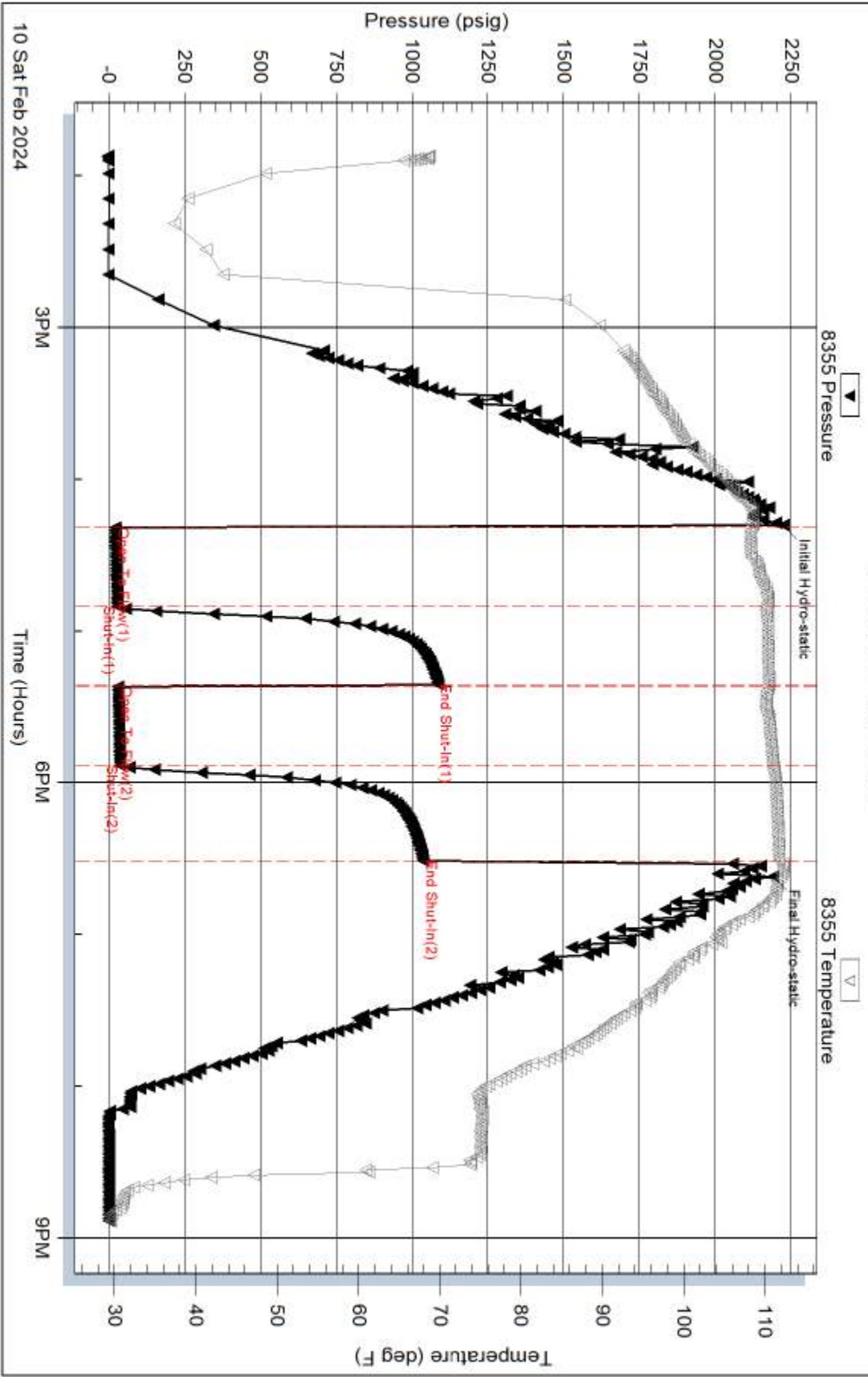
Inside

Abercrombie Energy LLC

Morgan #1-35

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 69411

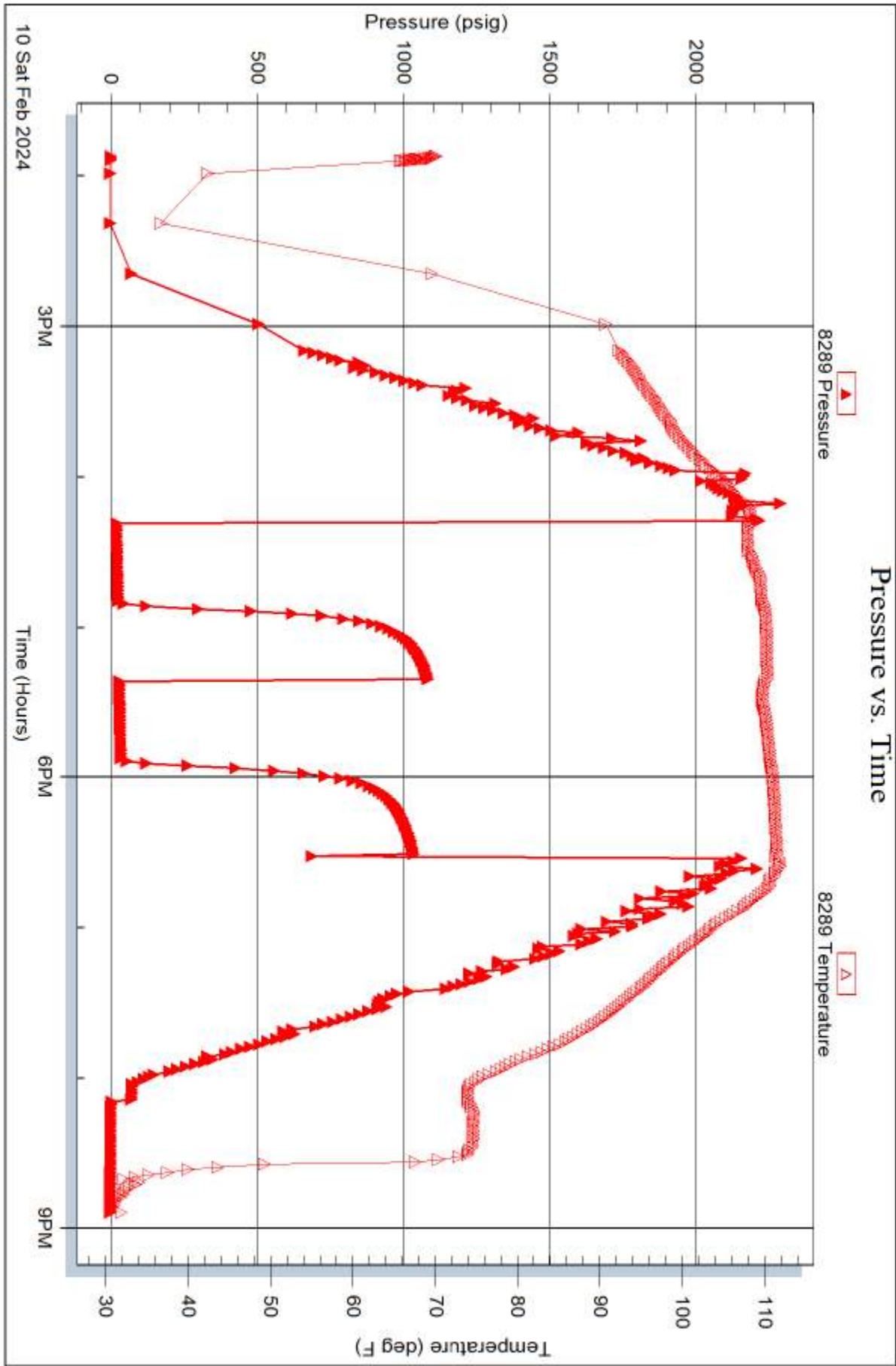
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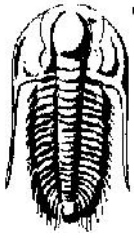
Serial #: 8289

Outside Abercrombie Energy llc

Morgan #1-35

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Abercrombie Energy llc

10209 W. Central STE2
Wichita, KS 67212

ATTN: Dave Goldak

35-20S-31W/Scott

Morgan #1-35

Job Ticket: 69412

DST#: 2

Test Start: 2024.02.11 @ 17:52:00

GENERAL INFORMATION:

Formation: **Atoka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:06:30

Time Test Ended: 03:27:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: 4632.00 ft (KB) To 4647.00 ft (KB) (TVD)

Total Depth: 4647.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Good

Reference Elevations: 2906.00 ft (KB)

2899.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8355 Inside

Press@RunDepth: 74.20 psig @ 4638.00 ft (KB)

Start Date: 2024.02.11

End Date:

2024.02.12

Start Time: 17:52:05

End Time:

03:27:00

Capacity: 8000.00 psig

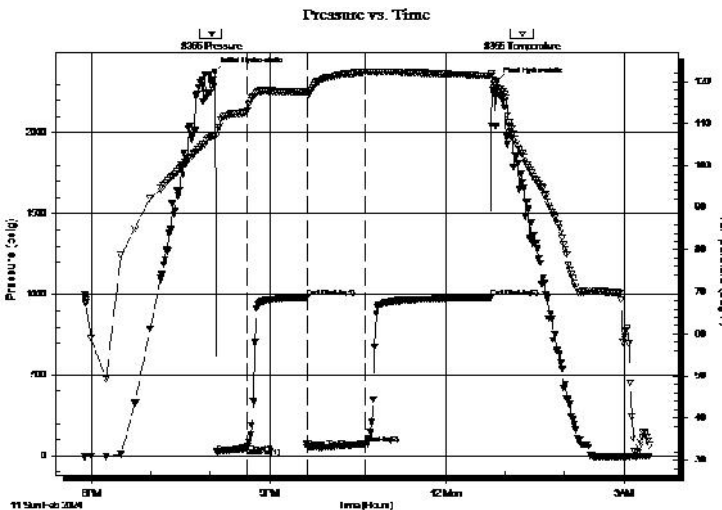
Last Calib.: 1899.12.30

Time On Btm: 2024.02.11 @ 20:05:00

Time Off Btm: 2024.02.12 @ 00:51:00

TEST COMMENT: 30-IF: Fair surface blow BOB in 21 minutes built to 17"
60-ISI: No blow back
60-FF: Strong surface blow BOB in 15 minutes built to 33.5"
120-FSI: Fair surface blow 12 minutes into shut-in BOB in 100 minutes built to 13"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2379.38	107.15	Initial Hydro-static
2	23.65	107.09	Open To Flow (1)
32	51.28	112.84	Shut-In(1)
93	981.20	117.37	End Shut-In(1)
94	51.02	116.67	Open To Flow (2)
153	74.20	122.27	Shut-In(2)
280	980.58	121.33	End Shut-In(2)
286	2315.16	117.27	Final Hydro-static

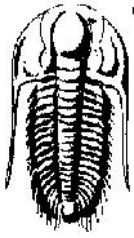
Recovery

Length (ft)	Description	Volume (bbl)
60.00	GMCO 30%G 5%M 65%O	0.30
60.00	SGMCO 15%G 5%M 80%O	0.30
60.00	SGOCM 5%G 40%O 55%M	0.84

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

Abercrombie Energy llc

10209 W. Central STE2
Wichita, KS 67212

ATTN: Dave Goldak

35-20S-31W/Scott

Morgan #1-35

Job Ticket: 69412

DST#: 2

Test Start: 2024.02.11 @ 17:52:00

GENERAL INFORMATION:

Formation: **Atoka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:06:30

Time Test Ended: 03:27:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: 4632.00 ft (KB) To 4647.00 ft (KB) (TVD)

Total Depth: 4647.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Good

Reference Elevations: 2906.00 ft (KB)

2899.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8289 Outside

Press@RunDepth: psig @ 4638.00 ft (KB)

Start Date: 2024.02.11

End Date:

2024.02.12

Start Time: 17:52:01

End Time:

03:27:00

Capacity: 8000.00 psig

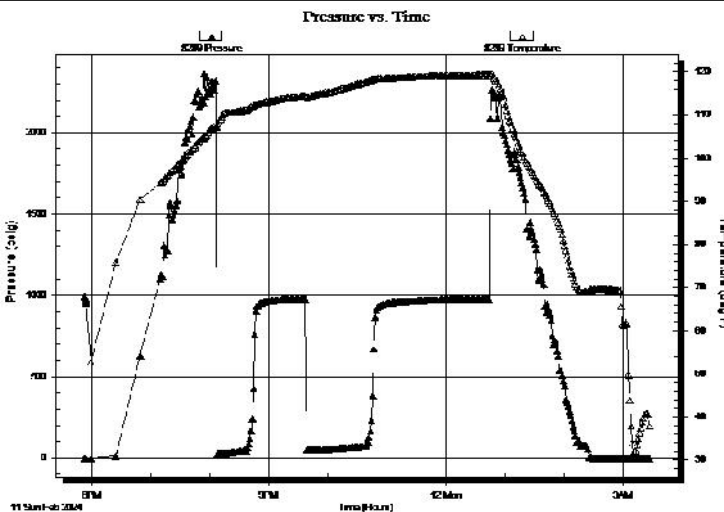
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF: Fair surface blow BOB in 21 minutes built to 17"
60-ISI: No blow back
60-FF: Strong surface blow BOB in 15 minutes built to 33.5"
120-FSI: Fair surface blow 12 minutes into shut-in BOB in 100 minutes built to 13"

PRESSURE SUMMARY



Time
(Min.)

Pressure
(psig)

Temp
(deg F)

Annotation

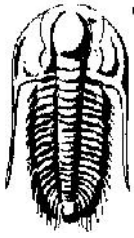
Recovery

Length (ft)	Description	Volume (bbl)
60.00	GMCO 30%G 5%M 65%O	0.30
60.00	SGMCO 15%G 5%M 80%O	0.30
60.00	SGOCM 5%G 40%O 55%M	0.84

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

FLUID SUMMARY

Abercrombie Energy llc

35-20S-31W/Scott

10209 W. Central STE2
Wichita, KS 67212

Morgan #1-35

Job Ticket: 69412

DST#: 2

ATTN: Dave Goldak

Test Start: 2024.02.11 @ 17:52:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 6.40 in³

Resistivity: ohm.m

Salinity: 1450.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GMCO 30%G 5%M 65%O	0.295
60.00	SGMCO 15%G 5%M 80%O	0.295
60.00	SGOCM 5%G 40%O 55%M	0.842

Total Length: 180.00 ft

Total Volume: 1.432 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 750' GIP

Serial #: 8355

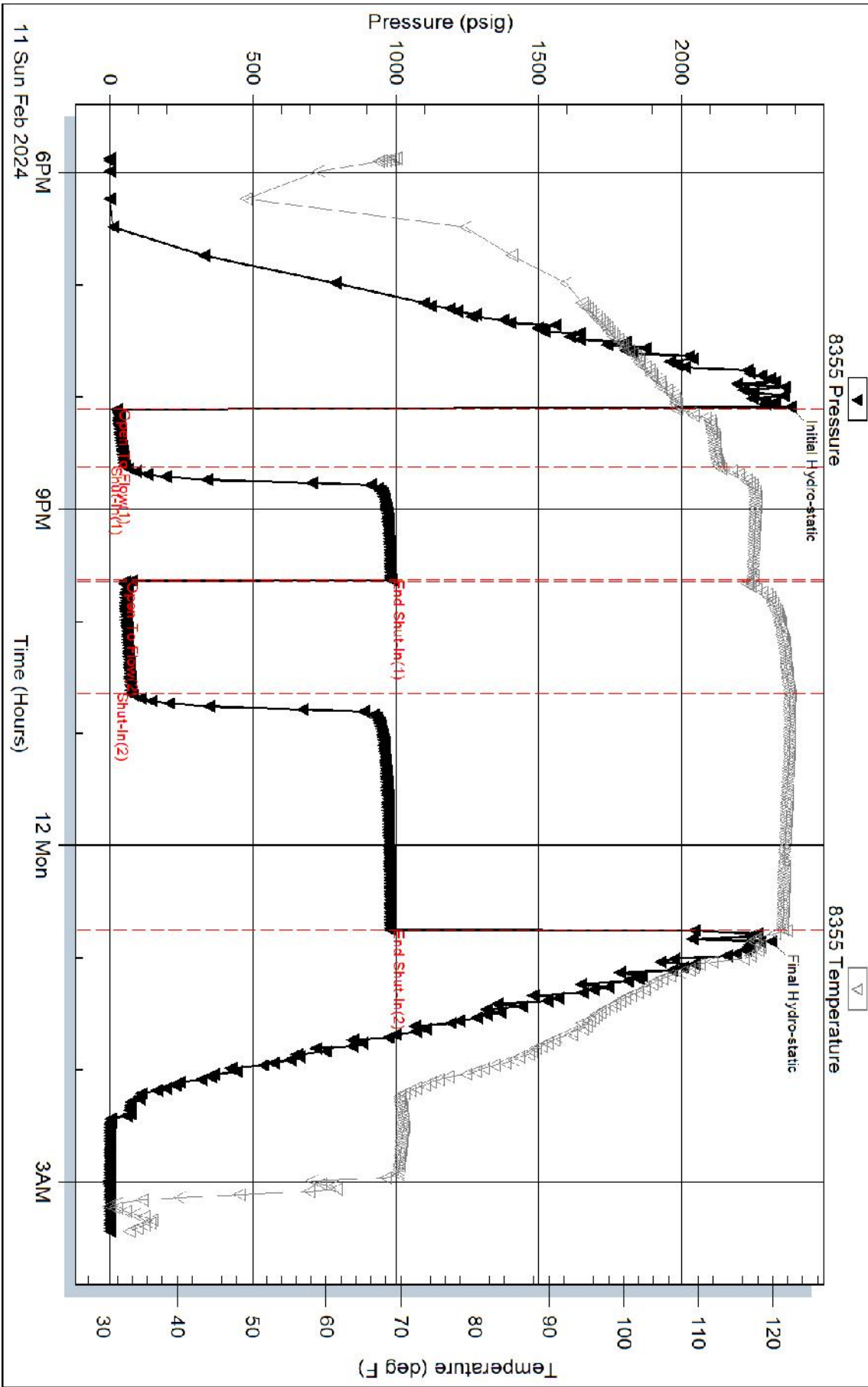
Inside

Abercrombie Energy llc

Morgan #1-35

DST Test Number: 2

Pressure vs. Time

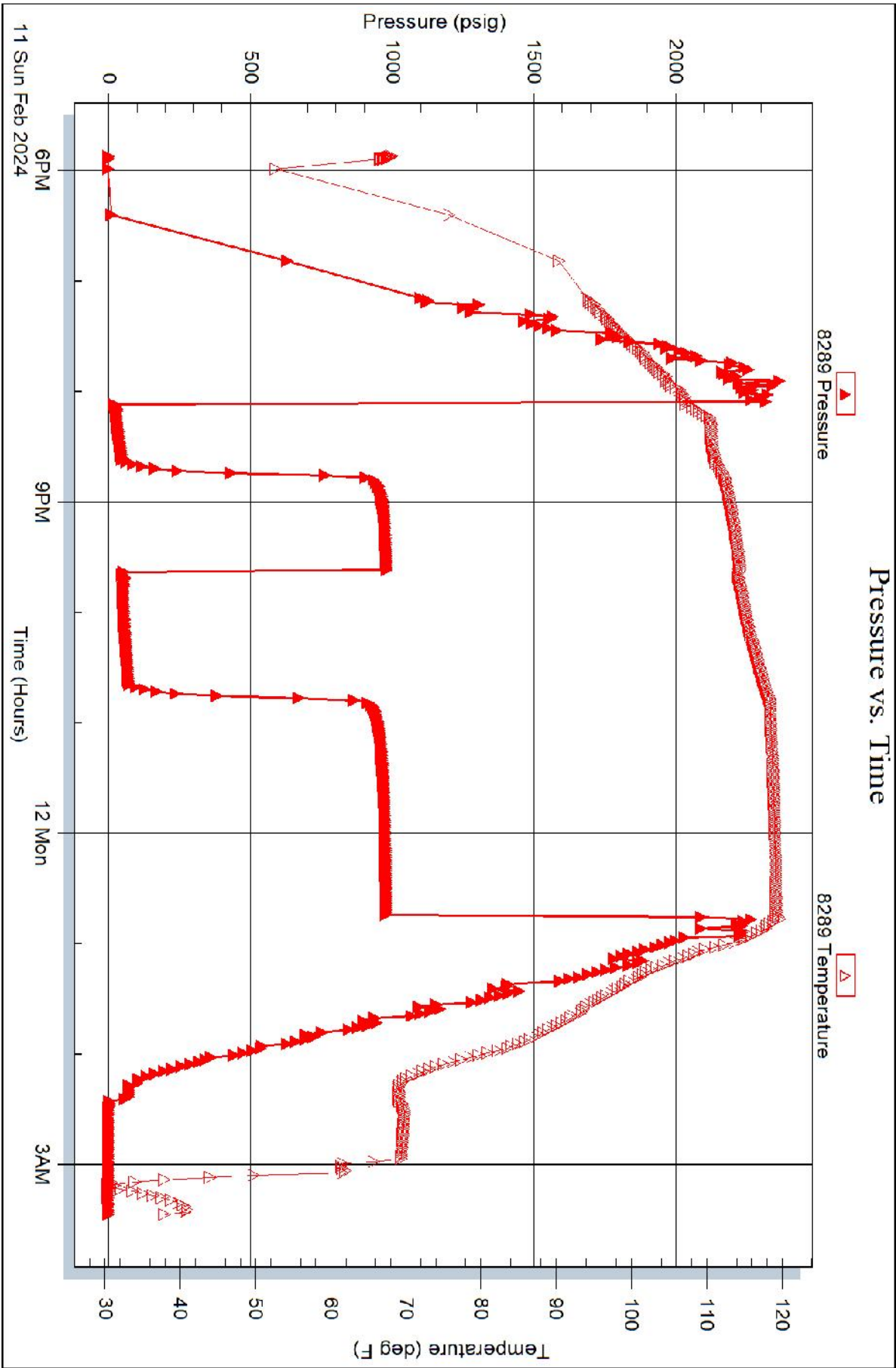


Serial #: 8289

Outside Abercrombie Energy llc

Morgan #1-35

DST Test Number: 2





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Abercrombie Energy LLC

35-20S-31W/Scott

10209 W. Central STE2
Wichita, KS 67212

Morgan #1-35

Job Ticket: 69413

DST#: 3

ATTN: Dave Goldak

Test Start: 2024.02.12 @ 13:13:00

GENERAL INFORMATION:

Formation: **St. Louis**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:23:30

Time Test Ended: 19:43:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: 4658.00 ft (KB) To 4670.00 ft (KB) (TVD)

Total Depth: 4670.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Good

Reference Elevations: 2906.00 ft (KB)

2899.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8355 Inside

Press@RunDepth: 19.97 psig @ 4664.00 ft (KB)

Start Date: 2024.02.12

End Date:

2024.02.12

Start Time: 13:13:05

End Time:

19:43:29

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2024.02.12 @ 15:14:30

Time Off Btm: 2024.02.12 @ 17:35:00

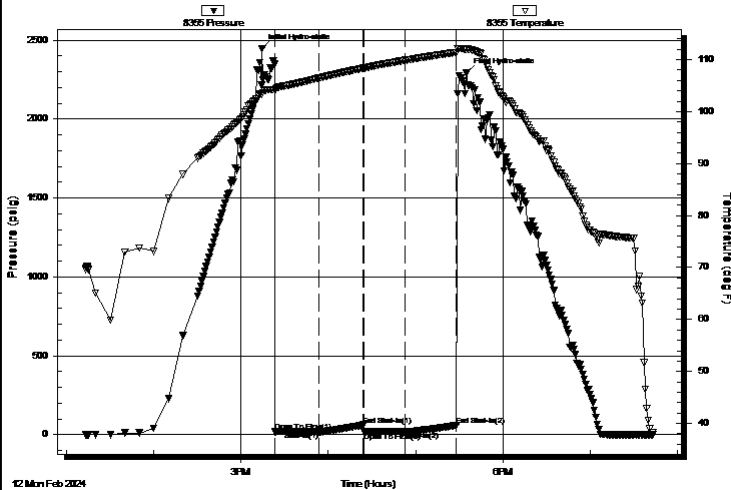
TEST COMMENT: 30-IF: Weak surface blow built to .25" then fell off

30-ISI: No returns

30-FF: No blow

30-FSI: No returns

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2447.62	103.40	Initial Hydro-static
9	18.77	104.11	Open To Flow (1)
39	18.46	106.45	Shut-In(1)
70	62.01	108.35	End Shut-In(1)
70	18.24	108.36	Open To Flow (2)
99	19.97	109.88	Shut-In(2)
134	59.20	111.39	End Shut-In(2)
141	2291.35	111.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	MCO 5%M 95%O	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Abercrombie Energy llc

35-20S-31W/Scott

10209 W. Central STE2
Wichita, KS 67212

Morgan #1-35

Job Ticket: 69413

DST#: 3

ATTN: Dave Goldak

Test Start: 2024.02.12 @ 13:13:00

GENERAL INFORMATION:

Formation: **St. Louis**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:23:30

Time Test Ended: 19:43:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: 4658.00 ft (KB) To 4670.00 ft (KB) (TVD)

Total Depth: 4670.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Good

Reference Elevations: 2906.00 ft (KB)

2899.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8289 Outside

Press@RunDepth: psig @ 4664.00 ft (KB)

Start Date: 2024.02.12

End Date:

2024.02.12

Start Time: 13:13:01

End Time:

19:43:15

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

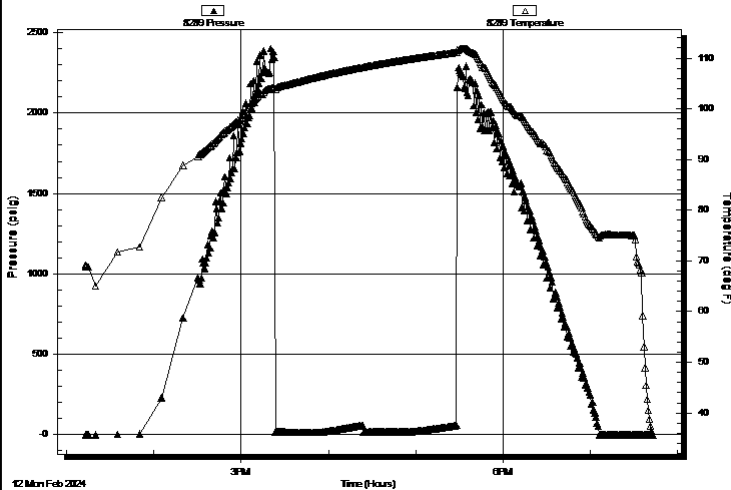
TEST COMMENT: 30-IF: Weak surface blow built to .25" then fell off

30-ISI: No returns

30-FF: No blow

30-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)
1.00	MCO 5%M 95%O	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Abercrombie Energy llc

35-20S-31W/Scott

10209 W. Central STE2
Wichita, KS 67212

Morgan #1-35

Job Ticket: 69413

DST#: 3

ATTN: Dave Goldak

Test Start: 2024.02.12 @ 13:13:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 59.00 sec/qt

Water Loss: 7.20 in³

Resistivity: ohm.m

Salinity: 2000.00 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
1.00	MCO 5%M 95%O	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8355

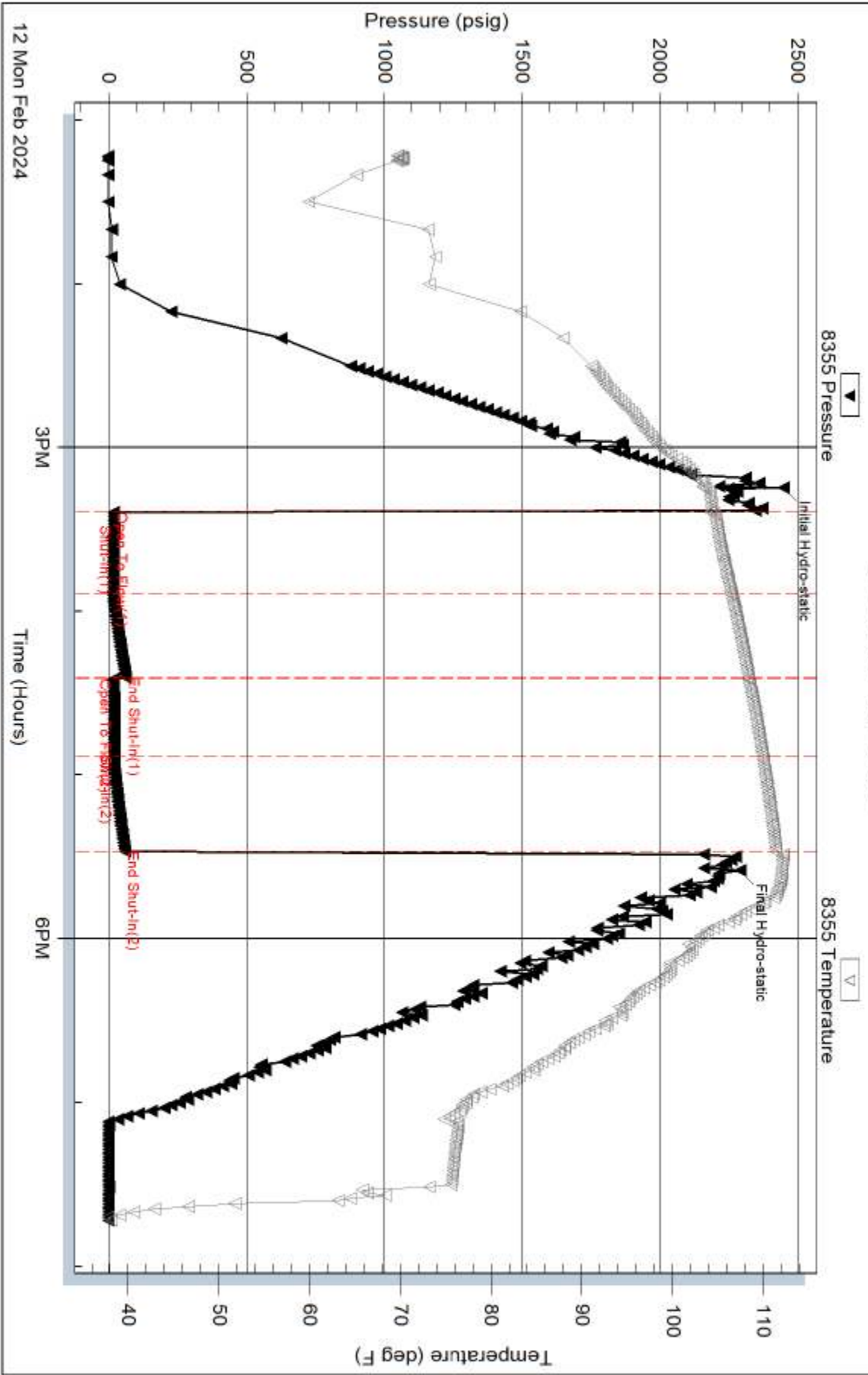
Inside

Abercrombie Energy llc

Morgan #1-35

DST Test Number: 3

Pressure vs. Time

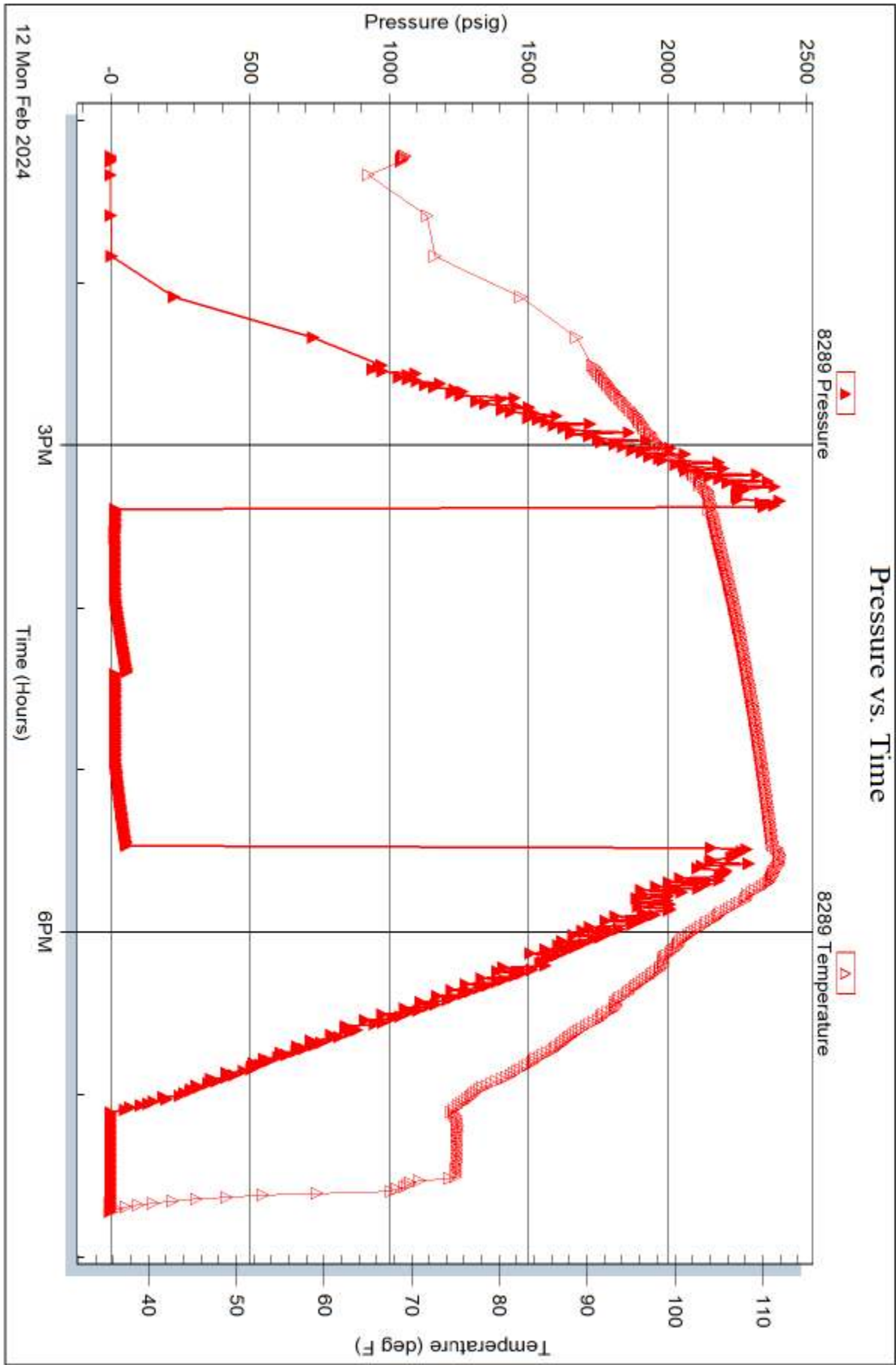


Serial #: 8289

Outside Abercrombie Energy llc

Morgan #1-35

DST Test Number: 3





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Abercrombie Energy LLC

35-20S-31W/Scott

10209 W. Central STE2
Wichita, KS 67212

Morgan #1-35

Job Ticket: 69414

DST#: 4

ATTN: Dave Goldak

Test Start: 2024.02.13 @ 14:13:00

GENERAL INFORMATION:

Formation: **St .Louis**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:31:30

Time Test Ended: 21:00:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: 4738.00 ft (KB) To 4754.00 ft (KB) (TVD)

Total Depth: 4754.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Good

Reference Elevations: 2906.00 ft (KB)

2899.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8355 Inside

Press@RunDepth: 34.20 psig @ 4744.00 ft (KB)

Start Date: 2024.02.13

End Date:

2024.02.13

Start Time: 14:13:05

End Time:

20:59:59

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2024.02.13 @ 16:29:00

Time Off Btm: 2024.02.13 @ 18:50:00

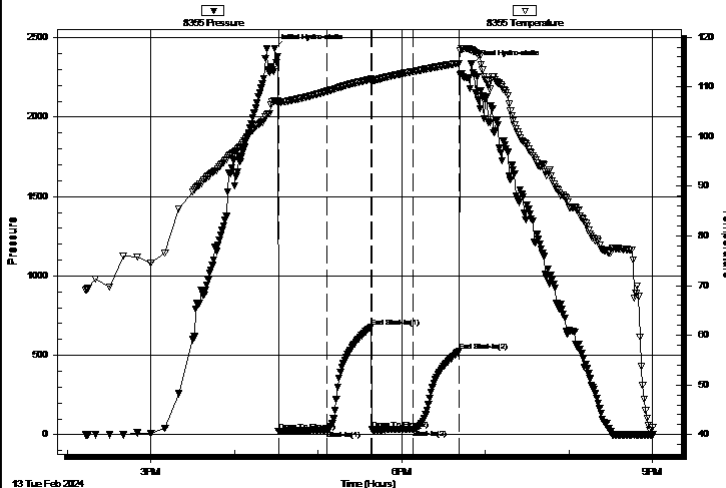
TEST COMMENT: 30-IF: Weak surface blow built to .5"

30-ISI: No returns

30-FF: No blow

30-FSI: No returns

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2433.00	107.24	Initial Hydro-static
3	20.52	106.67	Open To Flow (1)
38	28.07	109.11	Shut-In(1)
69	679.45	111.54	End Shut-In(1)
70	32.97	111.25	Open To Flow (2)
99	34.20	113.06	Shut-In(2)
132	524.20	114.74	End Shut-In(2)
141	2333.88	117.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSWM 45%W 55%M	0.05

Gas Rates

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



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DRILL STEM TEST REPORT

Abercrombie Energy LLC

35-20S-31W/Scott

10209 W. Central STE2
Wichita, KS 67212

Morgan #1-35

Job Ticket: 69414

DST#: 4

ATTN: Dave Goldak

Test Start: 2024.02.13 @ 14:13:00

GENERAL INFORMATION:

Formation: **St .Louis**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:31:30

Time Test Ended: 21:00:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: **4738.00 ft (KB) To 4754.00 ft (KB) (TVD)**

Reference Elevations: 2906.00 ft (KB)

Total Depth: 4754.00 ft (KB) (TVD)

2899.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: **8289** Outside

Press@RunDepth: psig @ 4744.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.02.13

End Date:

2024.02.13

Last Calib.:

1899.12.30

Start Time: 14:13:01

End Time:

20:59:45

Time On Btm:

Time Off Btm:

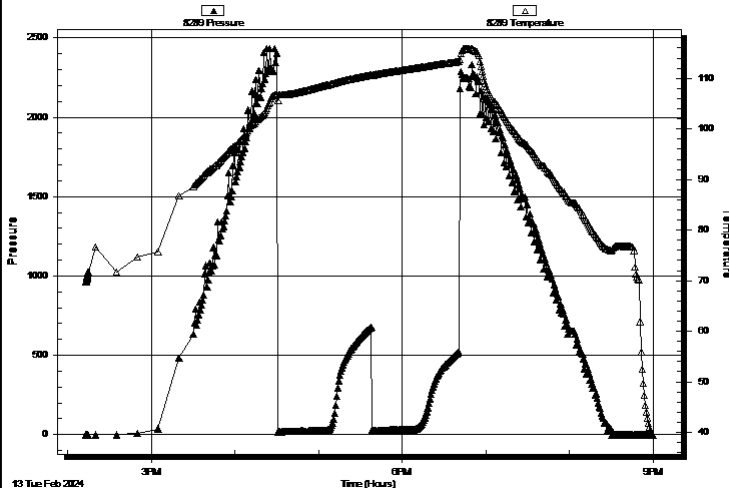
TEST COMMENT: 30-IF: Weak surface blow built to .5"

30-ISI: No returns

30-FF: No blow

30-FSI: No returns

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSWM 45%W 55%M	0.05

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Abercrombie Energy llc

35-20S-31W/Scott

10209 W. Central STE2
Wichita, KS 67212

Morgan #1-35

Job Ticket: 69414

DST#: 4

ATTN: Dave Goldak

Test Start: 2024.02.13 @ 14:13:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 5.99 in³

Resistivity: ohm.m

Salinity: 1050.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: 13000 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSWM 45%W 55%M	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8355

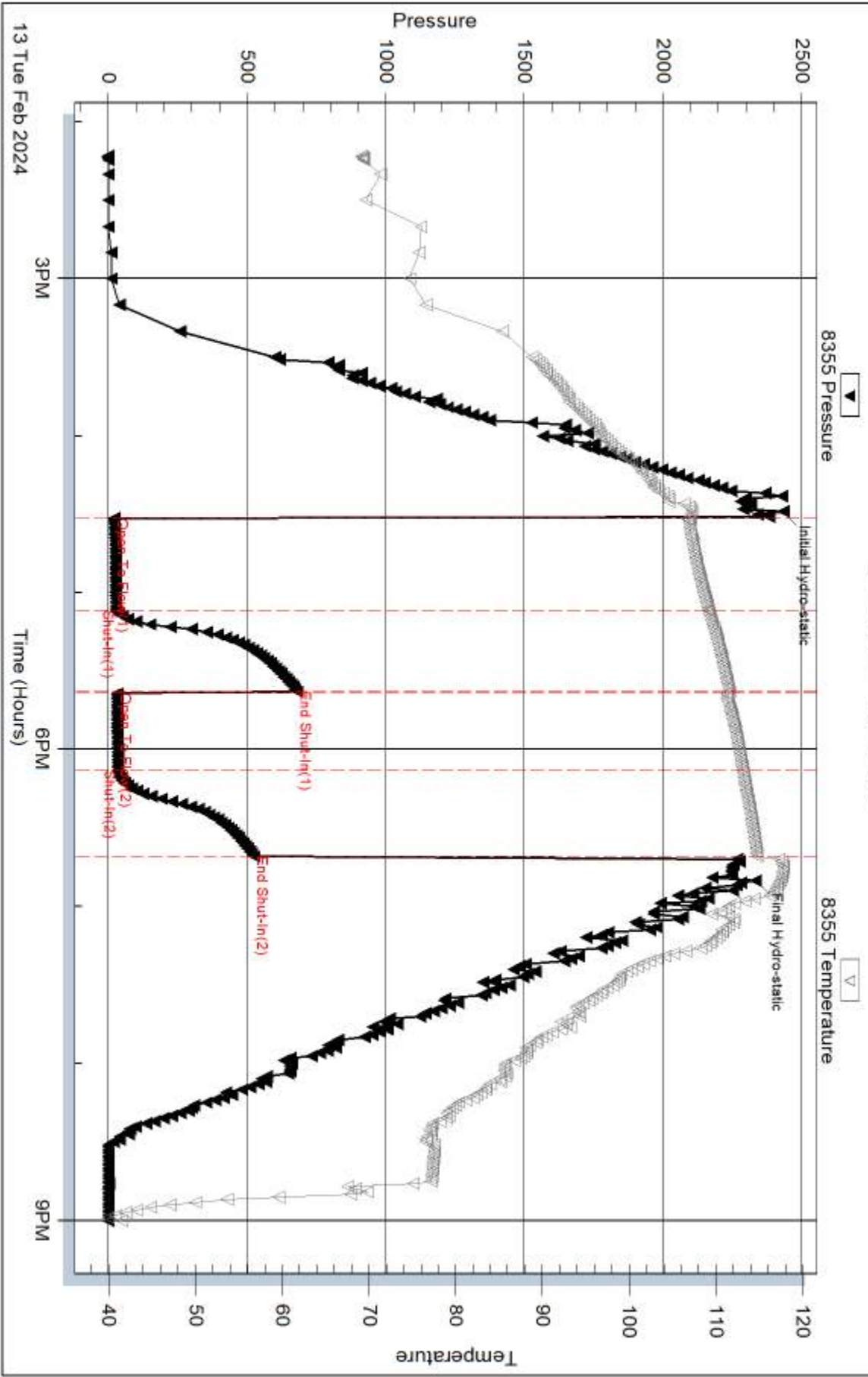
Inside

Abercrombie Energy llc

Morgan #1-35

DST Test Number: 4

Pressure vs. Time

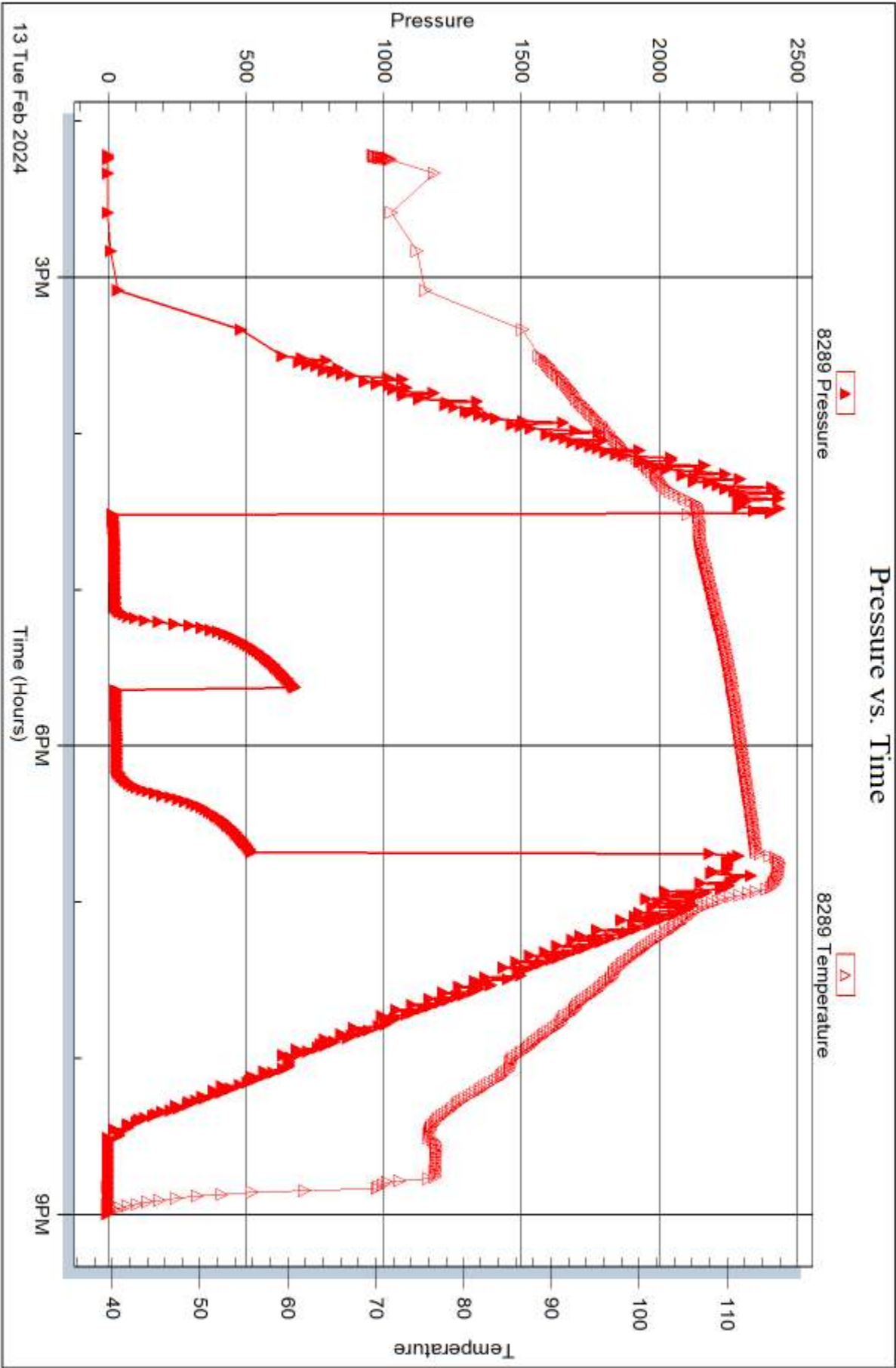


Serial #: 8289

Outside Abercrombie Energy llc

Morgan #1-35

DST Test Number: 4



GEOLOGIC REPORT

DAVID J. GOLDAK

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

Well Name: Morgan #1-35
API: 15-171-21316-0000
Location: Section 35 - T20S - R31W
License Number: Region: Scott Co., KS
Spud Date: 02 / 01 / 2024 Drilling Completed: 02 / 15 / 2024
Surface Coordinates: 2336' FNL and 670' FWL
SW - SE - SW - NW
Bottom Hole
Coordinates:
Ground Elevation (ft): 2899' K.B. Elevation (ft): 2906'
Logged Interval (ft): 3300' To: 5000' Total Depth (ft): 5000'
Formation: at TD: Mississippian-Spergen
Type of Drilling Fluid: Chemical - Mud Co

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

OPERATOR

Company: Abercrombie Energy, LLC
Address: 10209 W Central, Suite 2
Wichita, KS 67212-4685

GEOLOGIST

Name: David J. Goldak
Company: D. J. GOLDAK, INC.
Address: 12427 W Ridgepoint Cir
Wichita, Kansas 67235

General Information

CONTRACTOR: Pickrell Drilling, Rig #10

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12.25	Hughes-?- RR	3-15s	348'	348'	2.25
2	7.875	Smith-MSI516	5-13s	3396'	3048'	50.75
3	7.875	Smith-F27	3-15s	5000'	1604'	76.75

SURVEYS: 348'-0.75, 870'-2.25, 933'-2.25, 1091'-1.75, 1828'-1.00, 2133'-0.25,
2512'-0.25, 3396'-0.75, 4474'-1.00, 5000'-0.75

GENERAL DRILLING AND PUMP INFORMATION:

Drilling with 16 collars (6.50"x2.25"): 480.67'
Drilling with 38,000-40,000 lbs on bit and 65-80 RPM
Pumping 56-60 S/M; 7.2-7.7 B/M; and 850-950 PSI at the standpipe

Daily Status

02/01/24 - Spud at 5:45 PM; Set 8-5/8" Csg at 347'; PD @ 11:45 PM
 02/02/24 - 348' WOC; DP @ 7:45 AM
 02/03/24 - 1,580' Drilling
 02/04/24 - 2,512' Drilling; TOOH @ 2,544' & Shut down; Unable to truck water due to muddy conditions
 02/05/24 - 2,544' Down
 02/06/24 - 2,544' Down; Haul Water; TIH; Drilling @ 7:30 PM
 02/07/24 - 2,923' Drilling; Bit trip @ 3,397'
 02/08/24 - 3,495' Drilling; Displace @ 3,514'
 02/09/24 - 4,091' Drilling
 02/10/24 - 4,470' Drilling; DST #1 @ 4,474'
 02/11/24 - 4,546' CFS; DST #2 @ 4,647'
 02/12/24 - 4,647' CTCH following test; DST #3 @ 4,670'
 02/13/24 - 4,710' Drilling; DST #4 @ 4,754'
 02/14/24 - 4,825' Drilling; RTD @ 5,000'; Log well late PM
 02/15/24 - 5,000' Preparing to set production casing

Log Tops

Sample Tops

Anhydrite	2190 (+716)	2192 (+714)
Base/Anhy	2206 (+700)	2209 (+697)
Stotler	3526 (-620)	3530 (-624)
Heebner	3943 (-1037)	3945 (-1039)
Lansing	3984 (-1078)	3985 (-1079)
Muncie Creek	4166 (-1260)	4168 (-1262)
Stark Shale	4274 (-1368)	4280 (-1374)
Hushpuckney	4322 (-1416)	4320 (-1414)
Marmaton	4418 (-1512)	4417 (-1511)
Pawnee	4504 (-1598)	4505 (-1599)
Ft Scott	4528 (-1622)	4530 (-1624)
Cherokee	4546 (-1640)	4547 (-1641)
Basal Atoka	4640 (-1734)	4642 (-1736)
Miss St Gen	Absent	4656 (-1750)
Miss St Louis	4656 (-1750)	4662 (-1756)
SL 'C' Zone	4739 (-1833)	4740 (-1834)
Spergen	4943 (-2037)	4938 (-2032)
Total Depth	5000 (-2094)	5000 (-2094)

DST #1: 4,428' - 4,474' (Marmaton)

30" - 30" - 30" - 30"

IF: Surface blow building to 0.5 inches

ISI: No return blow

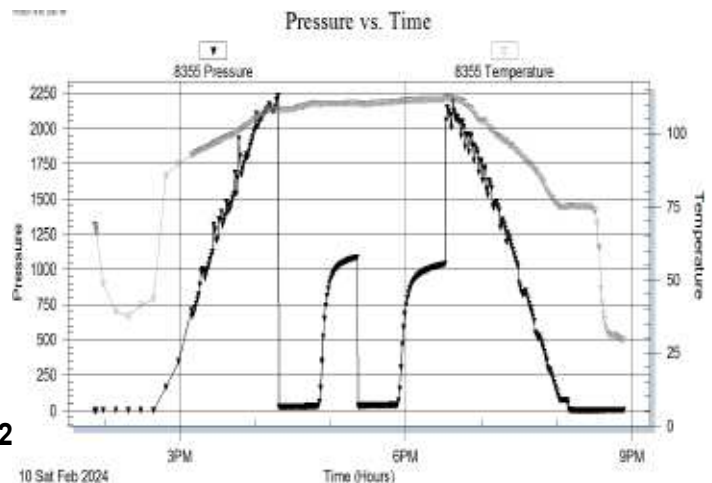
FF: No blow

FSI: No return blow

RECOVERY: 12' Total Fluid, consisting of:

12' Mud with oil spots (100% M)

IFP: 23-29; ISIP: 1085; FFP: 31-37; FSIP: 1036; BHT: 112

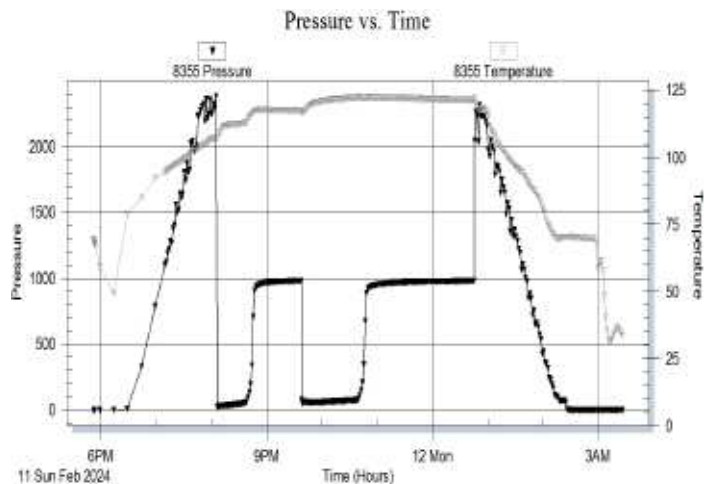


DST #2: 4,632' - 4,647' (Basal Atoka)
 30" - 60" - 60" - 120"

IF: Blow building to BOB in 21 minutes
ISI: No return blow
FF: Blow building to BOB in 15 minutes
FSI: Blow building to 13 inches

RECOVERY: 750' GIP & 180' Total Fluid, consisting of:
 60' GMCO (30% G, 65% O, 5% M); Gravity: 26 API
 60' SGMCO (15% G, 80% O, 5% M)
 60' SGOCM (5% G, 40% O, 55% M)

IFP: 24-51; **ISIP:** 981; **FFP:** 51-74; **FSIP:** 981; **BHT:** 122

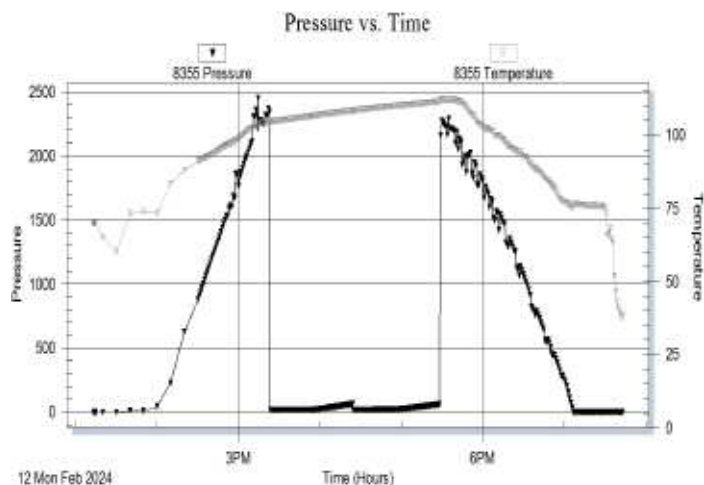


DST #3: 4,658' - 4,670' (St Louis 'A')
 30" - 30" - 30" - 30"

IF: Surface blow building to 0.25 inches
ISI: No return blow
FF: No blow
FSI: No return blow

RECOVERY: 1' Total Fluid, consisting of:
 1' MCO (95% O, 5% M)

IFP: 18-19; **ISIP:** 62; **FFP:** 18-20; **FSIP:** 59; **BHT:** 112

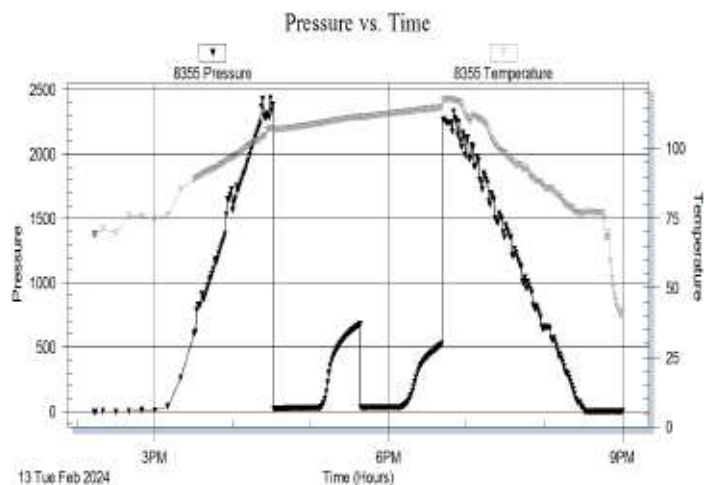


DST #4: 4,738' - 4,754' (St Louis 'C')
 30" - 30" - 30" - 30"

IF: Surface blow building to 0.5 inches
ISI: No return blow
FF: No blow
FSI: No return blow

RECOVERY: 10' Total Fluid, consisting of:
 10' OSWM (45% W, 55% M)
 Chlorides of recovery: 13,000 PPM

IFP: 21-28; **ISIP:** 679; **FFP:** 33-34; **FSIP:** 524; **BHT:** 118



ROCK TYPES

Anhy
 Bent
 Brec
 Cht
 Clyst
 Coal
 Congl
 Dol

Gyp
 Igne
 Lmst
 Meta
 Mrlst
 Salt
 Shale
 Shcol

Shgy
 Sltst
 Ss
 Till
 Carb sh
 Dol
 Dtd
 Gry sh

Sandylms
 Shale
 Sltstn
 Shlyslts
 Sltys
 Lms

ACCESSORIES

MINERAL

Anhy
 Arggrn
 Arg
 Bent
 Bit
 Brecfrag
 Calc
 Carb
 Chtdk
 Chtlt
 Dol
 Feldspar
 Ferrpel
 Ferr
 Glau
 Gyp
 Hvymn
 Kaol
 Marl
 Minxl
 Nodule
 Phos
 Pyr



Salt
 Sandy
 Silt
 Sil
 Sulphur
 Tuff
 Chlorite
 Dol
 Sand
 Sltly

FOSSIL

Algae
 Amph
 Belm
 Bioclst
 Brach
 Bryozoa
 Cephal
 Coral
 Crin
 Echin
 Fish
 Foram



Fossil
 Gastro
 Oolite
 Ostra
 Pelec
 Pellet
 Pisolite
 Plant
 Strom
 Fuss
 Oomold

STRINGER

Anhy
 Arg
 Bent
 Coal
 Dol
 Gyp
 Ls
 Mrst
 Sltstrg
 Ssstrg
 Carbsh



Clystn
 Dol
 Grysh
 Gryslt
 Lms
 Sandylms
 Sh
 Sltstn

TEXTURE

Boundst
 Chalky
 Cryxln
 Earthy
 Finexln
 Grainst
 Lithogr
 Microxln
 Mudst
 Packst
 Wackest

OTHER SYMBOLS

POROSITY TYPE

Earthy
 Fenest
 Fracture
 Inter
 Moldic
 Organic
 Pinpoint
 Vuggy

SORTING

Well
 Moderate
 Poor

ROUNDING

Rounded
 Subrnd
 Subang
 Angular

OIL SHOWS

Even
 Spotted
 Ques
 Dead
 Gas show

INTERVALS

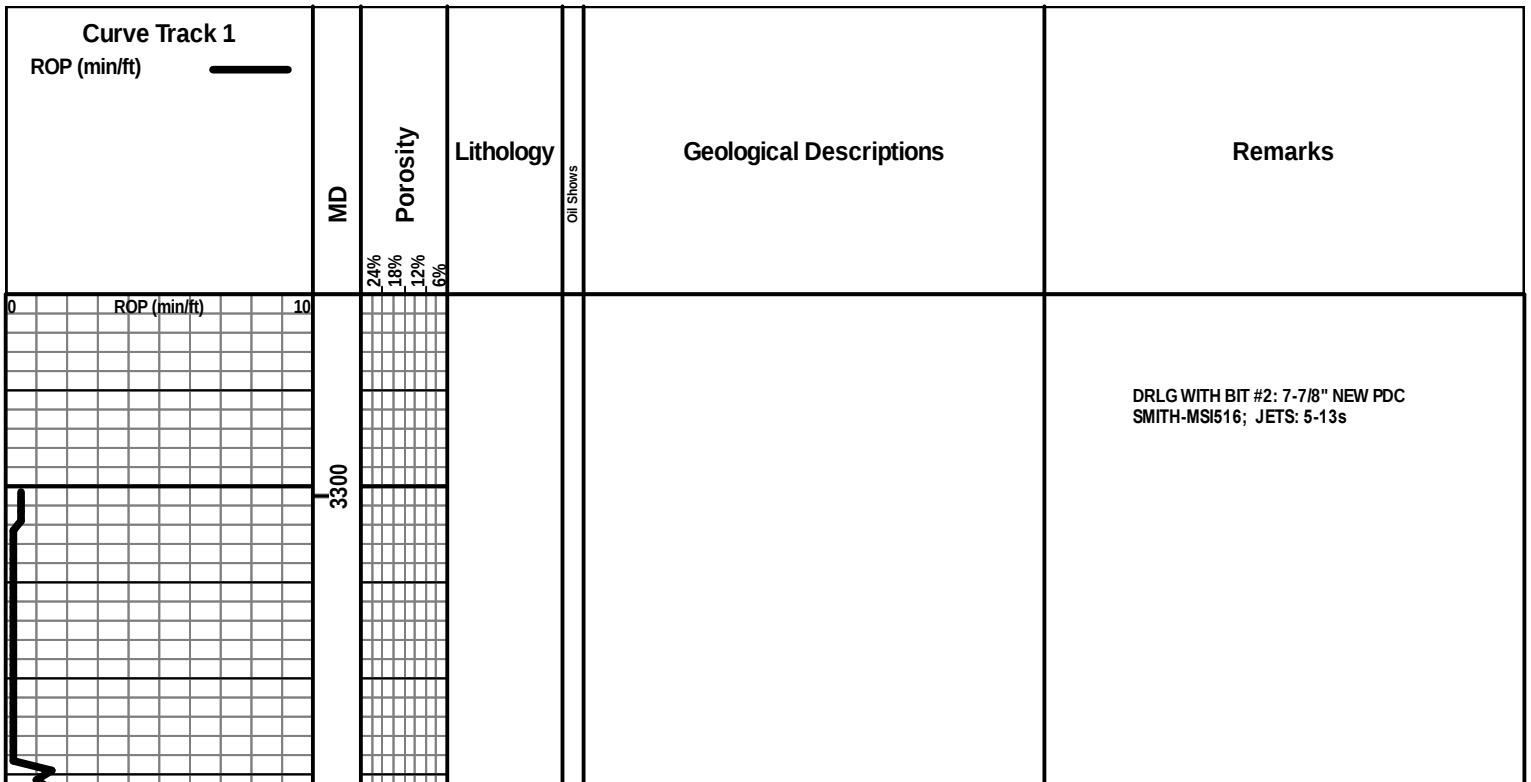
Core
 Dst

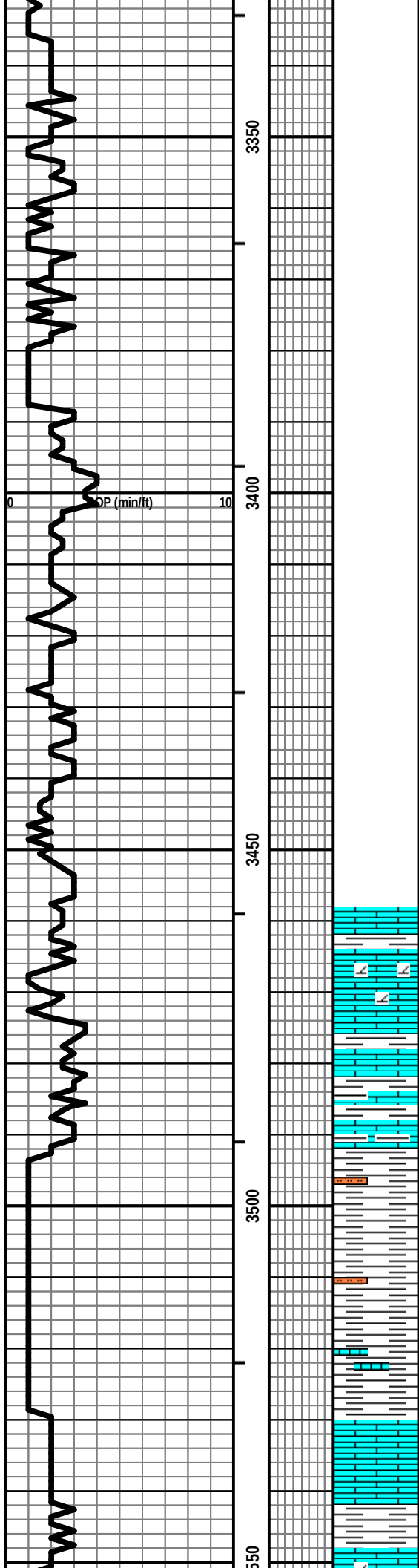


Dst_1_t
 Dst_1_b
 Dst

EVENTS

Rft
 Sidewall
 Conn





LS - CRM / TAN, PRED MOT, DOLO, F / SCAT M XLN, MOD
REXLN CALC, FOSS IN PT, PPT POR IN PT, NS W/LS - CRM /
WHT, VF / F XLN, CHKY, NS W/ SCAT SH - GY

LS - DOLOMITIC, AS ABOVE W/LS - GY / TAN, MOT, F XLN,
OOL, DNS, NS W/SH - MED / DK GY

LS - GY / TAN, MOT, OOL, AS ABOVE W/SH - VARICOL W/
ABNT TRASH

SH - LT / MED GY, SLTY IN PT

PRED SH - AS ABOVE, SLTY IN PT W/ TR LS, PRED GY, SHLY
/ DNS

LS - TAN / BRN, MOT IN PT, PRED F XLN, FOSS, SUBCHKY IN
PT, PRED DNS, NS W/ SCAT LS - GY, VF / F XLN, SHLY / DNS
W/SH - AS ABOVE

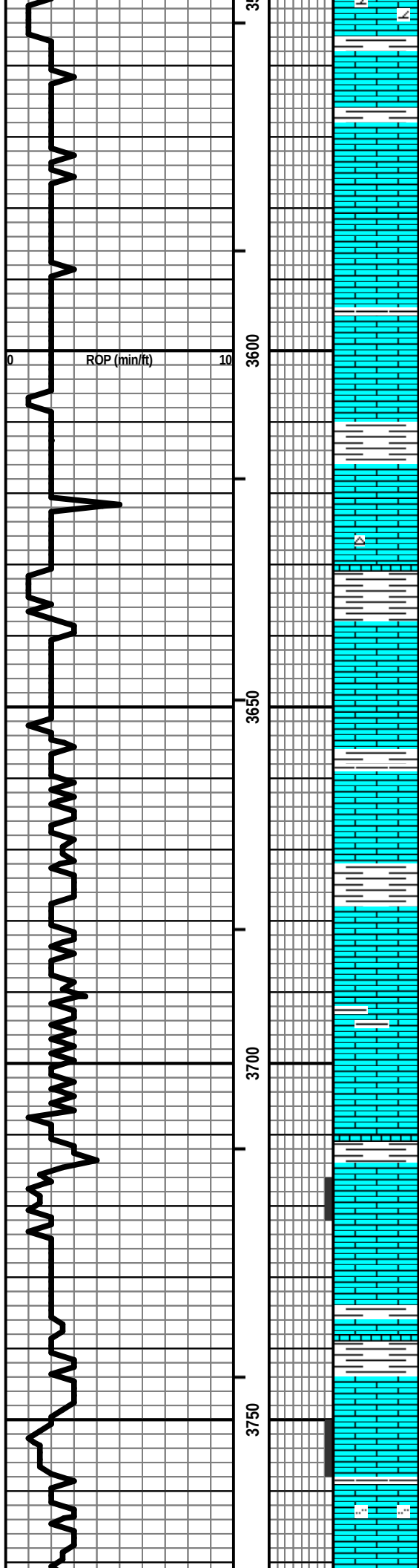
LS - CRM / TAN / BRN, SIM TO ABOVE, SCAT OOL, PRED
DNS, NS W/SH - MED GY / GRN

LS - CRM / TAN / F / VF XLN, DOLO IN PT, FOSS IN PT, SCAT

BIT TRIP @ 3,396'
DRLG WITH BIT #3: 7-7/8" NEW CONV
SMITH-F27; JETS: 3-15s

DISPLACE MUD SYSTEM @ 3,514'

STOTLER 3530 (-624)



LS - CRM / TAN, F / VF XLN, DOCS IN PT, FOSS IN PT, SCAT
CHKY, PRED DNS, NS

LS - GY / TAN, MOT IN PT, F XLN, FOSS IN PT, PRED DNS, NS
W/ SH - PRED GY

LS - LT GY / TAN / CRM, VF / F XLN, SCAT REXLN CALC, SL
FOSS IN PT, PRED DNS, SCAT GILS

LS - V SIM TO ABOVE

LS - TAN / CRM, F XLN, FOSS, OOL, SUBCHKY / CHKY IN PT /
DNS, NS

LS - PRED TAN / SCAT GY, SIM TO ABOVE, NS W/ SH - PRED
GY

SH - GY / SCAT GRN W/ LS - GY / BRN / TAN / CRM, MOT IN
PT, F XLN, FOSS IN PT, PRED DNS, NS

LS - AS ABOVE W/ SCAT CHT - CRM / TAN W/ SH - MED / DK
GY / SCAT BLK

LS - TAN / LT GY / CRM, F / VF XLN, FOSS IN PT, PRED DNS,
NS

LS - SIM TO ABOVE, CHKY IN PT / DNS, NS W/ SH - GY /
SCAT GRN

LS - GY / TAN, MOT IN PT, PRED F XLN, SL FOSS, PRED DNS,
NS

LS - SIM TO ABOVE W/ SH - PRED GY

LS - CRM / TAN / GY, F / VF XLN, SL FOSS IN PT, PRED DNS,
NS W/ SH - GY

LS - TAN / CRM / GY, MOT IN PT, PRED F XLN, SL FOSS,
SUBCHKY / DNS, SCAT GILS W/ SH - GY

LS - TAN / CRM, MOT IN PT, F XLN, FOSS, INTXLN & PPT POR
IN PT, SUBCHKY IN PT / DNS, SCAT GILS, TR ASPH, NO
ODOR

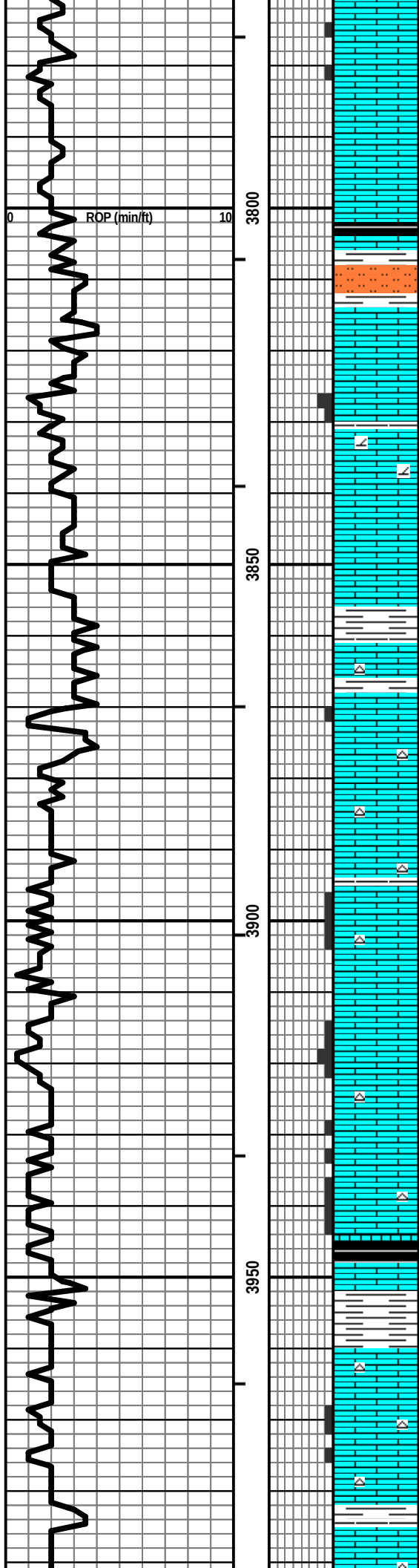
LS - TAN / CRM / GY, MOT IN PT, SIM TO ABOVE, PRED DNS,
TR GILS

LS - CRM / TAN, F XLN, FOSS IN PT, INTXLN & PPT POR IN PT,
SCAT CHKY, DNS IN PT, NS

LS - LT GY / TAN, VF XLN, SLTY & PYR, DNS, NS

Vis: 63, Wt: 8.65, YP: 22,
GelS: 21/61, pH: 11.5, WL: 6.4,
Chl: 1,000, Sol: 2.1, LCM: 2#

Vis: 56, Wt: 8.9, LCM: 4#



LS - TAN / SCAT GY / SCAT BRN, MOT IN PT, F XLN, FOSS, TR
INTXLN POR IN PT, PRED SUBCHKY / CHKY, SOME DNS,
SCAT GILS

LS - TAN / CRM / SCAT GY, SIM TO ABOVE, CHKY / DNS, NS

SH - BLK, CARB W/ SH & SLTST - GRN / GY W/ SCAT LS -
TAN, F XLN, DNS

LS - CRM / TAN, F / VF XLN, SCAT FOSS, SUBCHKY IN PT,
PRED DNS, NS

LS - GY, F XLN, DNS W/ LS - CRM, F XLN, OOL & FOSS, P / F
INTXLN & PPT POR IN PT TO DNS, NS

LS - CRM / TAN, F XLN, DOLO IN PT, DNS, NS

LS - TAN / GY / BRN, MOT IN PT, PRED F XLN, SL FOSS IN PT,
PRED DNS, NS

LS - SIM TO ABOVE W/ SH - PRED GY

LS - CRM / TAN, F XLN, SCAT REXLN CALC, SCAT FOSS, TR
INTXLN POR, SUBCHKY IN PT / DNS, NS W/ SCAT CHT -
WHT

LS - TAN / GY, MOT, F XLN, OOL, FOSS IN PT, CHKY /
SUBCHKY IN PT / DNS, NS W/ CHT - WHT / GY

LS - TAN / CRM, PRED F XLN, FOSS IN PT, SCAT INTXLN &
PPT POR, MOD CHKY, SCAT GILS W/ SCAT CHT - ASABOVE

LS - TAN / CRM, MOT IN PT, F XLN, FOSS, P / F FOSSMOLD &
INTPART POR IN PT, SUBCHKY / CHKY IN PT, SL / MOD GILS

LS - CRM / TAN, F XLN, FOSS, SCAT OOL, PPT & INTXLN POR
IN PT, MOD CHKY / DNS, NS W/ SCAT CHT - TAN / GY

LS - SIM TO ABOVE, SCAT INTXLN POR, MOD CHKY, SCAT
GILS

SH - BLK, CARB W/ LS - TAN, F XLN, SL FOSS, PRED DNS,
NS W/ SH - GY / GRN, SLTY IN PT

SH - ASABOVE W/ LS - CRM, F / VF XLN, SL FOSS,
SUBCHKY / DNS, NS W/ CHT - WHT / LT GY

LS - CRM / WHT, F / VF XLN, SL FOSS, SCAT INTXLN POR,
MOD SUBCHKY / CHKY / DNS, NS W/ CHT - WHT / LT GY

LS - ASABOVE, DNS, NS W/ SH - GY / GRN

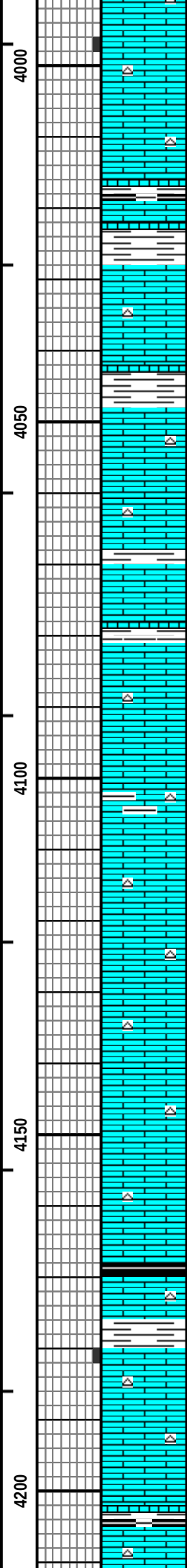
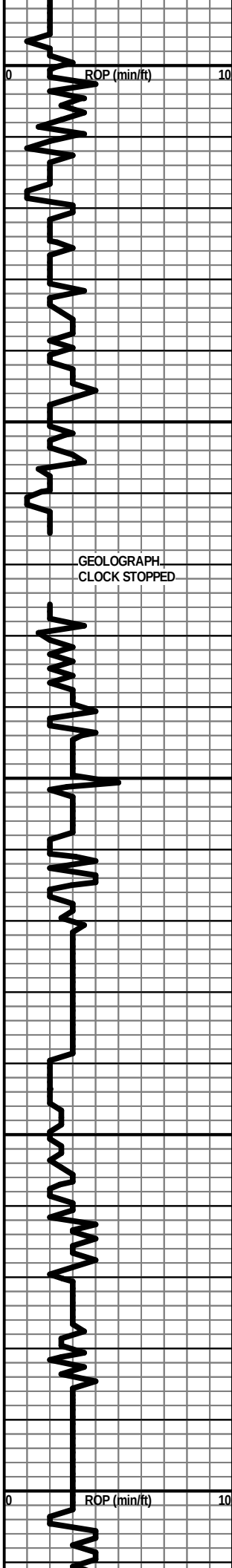
LS - CRM / TAN, F XLN, FOSS IN PT, TR FOSS MOLD POR

Vis: 58, Wt: 9.0, LCM: 3#

Vis: 53, Wt: 8.9, LCM: 2#

HEEBNER 3945 (-1039)

LANSING 3985 (-1079)



LS - CRM / TAN, F XLN, FOSS IN PT, TR P FOSS MOLD POR,
PRED DNS, NS W/ CHT - WHT / GY / TAN

LS - TAN / CRM, F / VF XLN, SCAT REXLN CALC, PRED DNS,
NS W/ CHT - ASABOVE

LS - BRN / GY, MOT, F XLN, FOSS & OOL, PRED DNS, NS /
SH - GY / BLK, SCAT CARB

LS - CRM / TAN, PRED F XLN, OOL IN PT, PRED DNS, NS /
SCAT CHT - GY / WHT / TAN

LS - CRM / TAN, F XLN, SCAT REXLN CALC, SCAT OOL &
FOSS, SCAT SUBCHKY, PRED DNS, NS W/ CHT - WHT / GY /
CRM

LS - TAN / BRN, MOT IN PT, F XLN, PRED DNS, NS

LS - CRM / TAN, F / VF XLN, SUBCHKY IN PT / SCAT CHKY,
PRED DNS, NS W/ SCAT CHT - WHT

LS - TAN / BRN / CRM, SCAT MOT, F XLN, SCAT OOL & FOSS,
PRED DNS, NS W/ CHT - GY

LS - CRM / TAN, PRED F XLN, SCAT REXLN CALC, OOL IN
PT, PRED DNS, NS W/ CHT - WHT / LT GY

LS - CRM / TAN, PRED F XLN, SCAT OOL, SUBCHKY IN PT,
PRED DNS, NS W/ CHT - WHT / LT GY

LS - TAN / GY / SCAT BRN, MOT IN PT, F / SCAT M XLN, SCAT
OOL, PRED DNS, NS W/ SCAT SH - BLK, CARB

SH - BLK, CARB W/ LS - TAN / BRN, F XLN, SL OOL & FOSS,
PRED DNS, NS W/ CHT - GY W/ SH - GRN / GY

LS - CRM / LT GY, F / VF XLN, SCAT REXLN CALC, SUBCHKY
IN PT, TR P INTXLN POR, PRED DNS, NS W/ CHT - LT GY

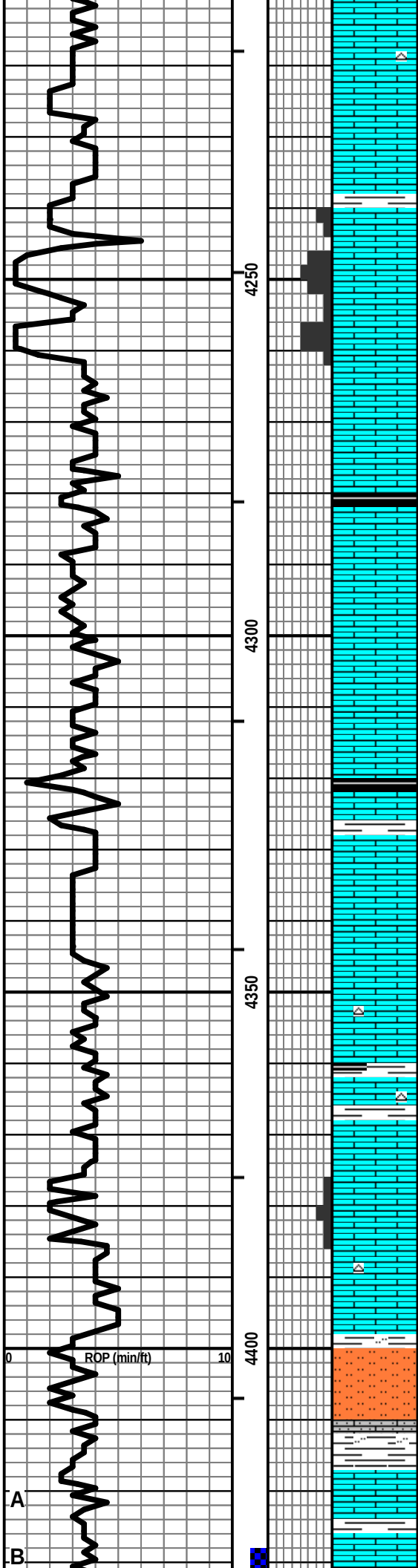
LS - CRM / TAN, PRED F XLN, SL OOL, SUBCHKY IN PT /
SCAT CHKY, PRED DNS, NS W/ CHT - GY

LS - CRM / TAN / SCAT BRN, F XLN, OOL IN PT, SUBCHKY IN
PT, PRED DNS, NS W. CHT - LT GY / WHT W/ SCAT SH - BLK

Vis: 53, Wt: 8.9, LCM: 5#

Vis: 52, Wt: 9.0, YP: 16,
GelS: 16/43, pH: 11.0, WL: 6.0,
Chl: 1,000, Sol: 4.9, LCM: 4#

MUNCIE CREEK 4168 (-1262)



LS - CRM / TAN, F XLN, SCAT REXLN CALC, OOL IN PT, MOD
CHKY TO PRED DNS, NS W/ TR CHT - AS ABOVE

LS - CRM / TAN / SCAT GY, MOT IN PT, F XLN, OOL, P / F OOM
POR IN PT, SOME DENS / SHLY W/ TR SH - GRN / GY

LS - CRM / TAN, F XLN, OOL, PRED G OOM POR, F / G INTXLN
POR, SCAT P POR, TR CHKY, NS

LS - TAN / CRM / SCAT BRN, F XLN, SCAT OOL, PRED DNS,
NS

LS - SIM TO ABOVE, SCAT REXLN CALC, CHTY IN PT, DNS,
NS W/ SH - BLK, CARB

LS - TAN / CRM / SCAT GY, F XLN, OOL, SCAT P VUG &
INTPART POR, MOD / V CHKY / PRED DNS, NS

LS - CRM / TAN / LT GY, F / VF XLN, SCAT OOL, SUBCHKY IN
PT, PRED DNS, NS

SH - BLK, CARB W/ LS - TAN / BRN, F XLN, SL OOL & FOSS,
PRED DNS, NS

LS - CRM / TAN, MOT IN PT, F XLN, FOSS & OOL IN PT, PRED
DNS, NS

LS - CRM / SCAT TAN, F / VF XLN, SCAT OOL & FOSS, PRED
DNS, NS W/ SCAT CHT - GY / WHT

LS - TAN / BRN, MOT IN PT, F XLN, PRED DNS, NS W/ SH -
GY / BLK W/ SCAT CHT - AS ABOVE

LS - CRM / TAN, F XLN, SCAT REXLN CALC, OOL, SL FOSS, P
/ TR F INTPART / INTXLN POR, TR P OOM POR, MOD CHKY,
SOME DNS, NS

LS - TAN / BRN / SCAT GY, MOT IN PT, F XLN, FOSS IN PT,
SCAT OOL, PRED DNS, NS W/ SCAT CHT - GY / TAN

LS - AA W/ SH - PRED GY, SLTY IN PT

SLTST - GY / GRN / TAN W/ TR LS - PRED GY, AREN, DNS

SH - GY / GRN / BLK, SCAT SLTY W/ LS - CRM / TAN, F XLN,
SCAT REXLN CALC, OOL & FOSS IN PT, SCAT SUBCHKY,
PRED DNS, NS

LS - CRM / TAN, F XLN, OOL & FOSS IN PT, PRED DNS, NS

Vis: 52, Wt: 9.2, LCM: 4#

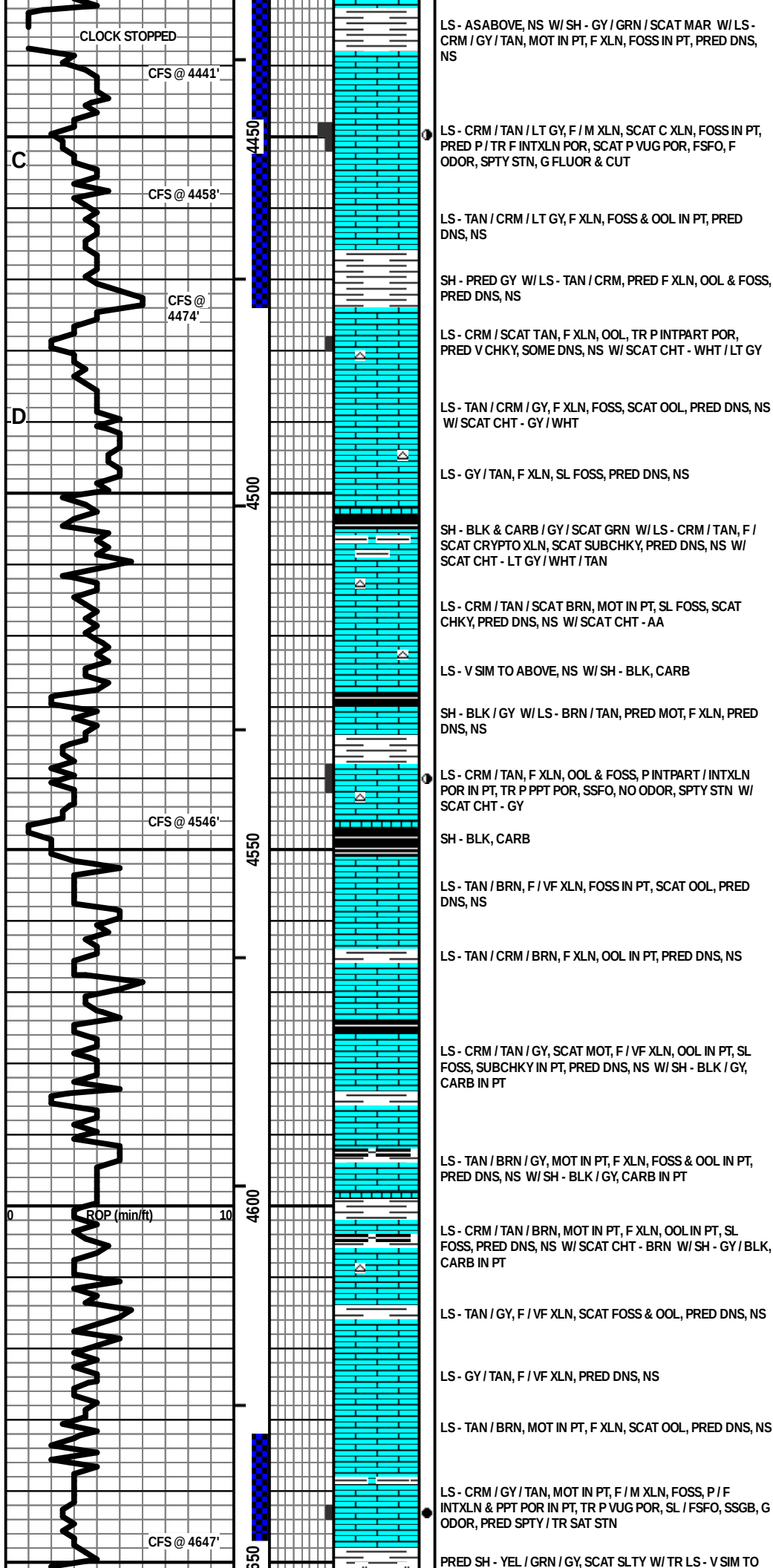
STARK SHALE 4280 (-1374)

Vis: 53, Wt: 9.3, LCM: 4#

HUSHPUCKNEY 4320 (-1414)

Vis: 60, Wt: 9.1, LCM: 4#

MARMATON 4417 (-1511)



LS - ASABOVE, NS W/SH - GY / GRN / SCAT MAR W/LS - CRM / GY / TAN, MOT IN PT, F XLN, FOSS IN PT, PRED DNS, NS

LS - CRM / TAN / LT GY, F / M XLN, SCAT C XLN, FOSS IN PT, PRED P / TR F INTXLN POR, SCAT P VUG POR, FSFO, F ODOR, SPTY STN, G FLUOR & CUT

LS - TAN / CRM / LT GY, F XLN, FOSS & OOL IN PT, PRED DNS, NS

SH - PRED GY W/LS - TAN / CRM, PRED F XLN, OOL & FOSS, PRED DNS, NS

LS - CRM / SCAT TAN, F XLN, OOL, TR P INTPART POR, PRED V CHKY, SOME DNS, NS W/ SCAT CHT - WHT / LT GY

LS - TAN / CRM / GY, F XLN, FOSS, SCAT OOL, PRED DNS, NS W/ SCAT CHT - GY / WHT

LS - GY / TAN, F XLN, SL FOSS, PRED DNS, NS

SH - BLK & CARB / GY / SCAT GRN W/LS - CRM / TAN, F / SCAT CRYPTO XLN, SCAT SUBCHKY, PRED DNS, NS W/ SCAT CHT - LT GY / WHT / TAN

LS - CRM / TAN / SCAT BRN, MOT IN PT, SL FOSS, SCAT CHKY, PRED DNS, NS W/ SCAT CHT - AA

LS - V SIM TO ABOVE, NS W/SH - BLK, CARB

SH - BLK / GY W/LS - BRN / TAN, PRED MOT, F XLN, PRED DNS, NS

LS - CRM / TAN, F XLN, OOL & FOSS, P INTPART / INTXLN POR IN PT, TR P PPT POR, SSFO, NO ODOR, SPTY STN W/ SCAT CHT - GY

SH - BLK, CARB

LS - TAN / BRN, F / VF XLN, FOSS IN PT, SCAT OOL, PRED DNS, NS

LS - TAN / CRM / BRN, F XLN, OOL IN PT, PRED DNS, NS

LS - CRM / TAN / GY, SCAT MOT, F / VF XLN, OOL IN PT, SL FOSS, SUBCHKY IN PT, PRED DNS, NS W/SH - BLK / GY, CARB IN PT

LS - TAN / BRN / GY, MOT IN PT, F XLN, FOSS & OOL IN PT, PRED DNS, NS W/SH - BLK / GY, CARB IN PT

LS - CRM / TAN / BRN, MOT IN PT, F XLN, OOL IN PT, SL FOSS, PRED DNS, NS W/ SCAT CHT - BRN W/SH - GY / BLK, CARB IN PT

LS - TAN / GY, F / VF XLN, SCAT FOSS & OOL, PRED DNS, NS

LS - GY / TAN, F / VF XLN, PRED DNS, NS

LS - TAN / BRN, MOT IN PT, F XLN, SCAT OOL, PRED DNS, NS

LS - CRM / GY / TAN, MOT IN PT, F / M XLN, FOSS, P / F INTXLN & PPT POR IN PT, TR P VUG POR, SL / FSFO, SSGB, G ODOR, PRED SPTY / TR SAT STN

PRED SH - YEL / GRN / GY, SCAT SLTY W/ TR LS - V SIM TO

DST #1: 4428'-4474'
SEE DST HEADER FOR RESULTS

Vis: 62, Wt: 9.1, YP: 20,
GelS: 20/58, pH: 10.5, WL: 7.2,
Chl: 650, Sol: 5.7, LCM: 4#

PIPE STRAP @ 4474': SHORT 0.82'

PAWNEE 4505 (-1599)

FT SCOTT 4530 (-1624)

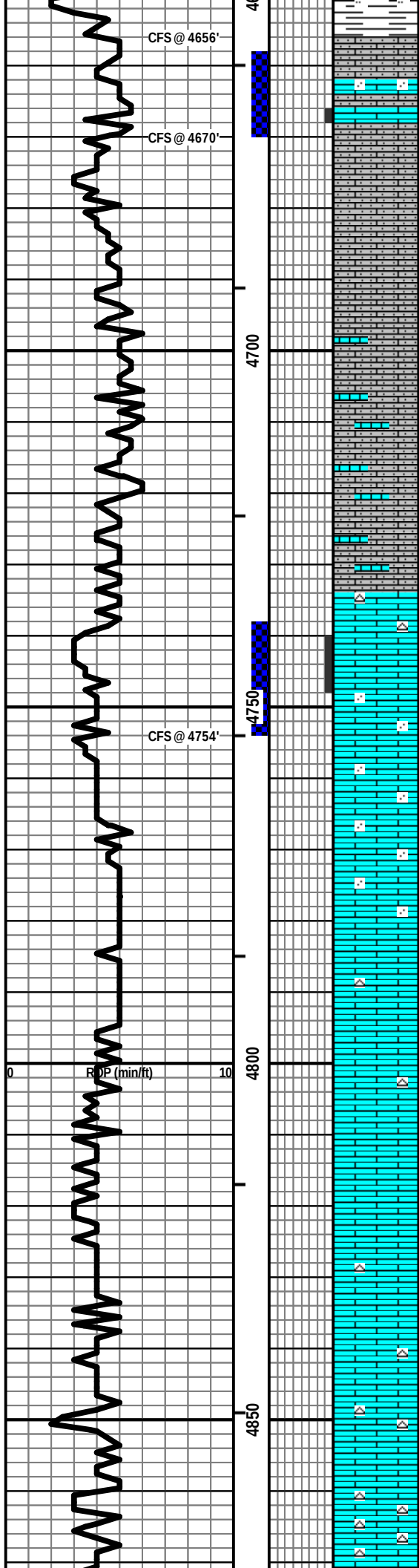
CHEROKEE SH 4547 (-1641)

Vis: 49, Wt: 9.15, YP: 15,
GelS: 15/43, pH: 10.5, WL: 6.4,
Chl: 1,450, Sol: 5.7, LCM: 2.5#

DST #2: 4632'-4647'
SEE DST HEADER FOR RESULTS

DST #3: 4658'-4670'
SEE DST HEADER FOR RESULTS

BASAL ATOKA 4642 (-1736)



ABOVE, P POR, VSSFO, NO ODOR W/ OTHER LS CAVINGS & TRASH

SH - ASABOVE W/ LS - WHT / CRM, VF XLN, AREN, VF QTZ GR, V FNLY OOL, SUBCHKY, NS W/ LS - CRM / TAN, MOT IN PT, PRED SL / MOD AREN, OOL, SM / LRG OOL, PRED DNS, NS W/ SCAT LS - TAN, F / SCAT M XLN, OOL, P / F INTPART / INTXLN POR, FSFO & GB, V FT ODOR, SAT / SPTY STN

LS - CRM / LT GY / WHT / SCAT TAN, MOT IN PT, VF / TR F XLN, V AREN, VF / SCAT F QTZ GR, OOL, VF / SM OOL, PRED SUBCHKY / CHKY, SOME DNS, NS

LS - CRM / WHT / LT GY / SCAT TAN, VF XLN, V AREN, VF / SCAT F QTZ GR, V FNLY OOL, PRED SUBCHKY / CHKY, NS

LS - ASABOVE W/ TR LS - CRM / TAN, F XLN, OOL, SM / MED OOL, PRED DNS, NS

PRED LS - CRM / WHT / LT GY / SCAT TAN, VF XLN, V AREN, VF / SCAT F QTZ GR, V FNLY OOL, PRED SUBCHKY / CHKY, NS W/ SCAT LS - CRM / TAN, F XLN, OOL, SM / MED OOL, PRED DNS, NS

PRED LS - CRM / WHT / LT GY / SCAT TAN, VF XLN, V AREN, VF / SCAT F QTZ GR, V FNLY OOL, PRED SUBCHKY / CHKY, NS W/ SCAT LS - CRM / TAN, F XLN, OOL, SM / MED OOL, PRED DNS, NS

LS - CRM / TAN, F XLN, OOL, SM / LRG OOL, TR FOSS, CHKY IN PT, PRED DNS, NS W/ CHT - LT GY / TAN W/ SCAT AREN LS - ASABOVE

LS - CRM / TAN, F XLN, OOL, P / F INTOOL POR IN PT, SUBCHKY / CHKY IN PT, VSSFO & ASPH & GILS, NO ODOR, SCAT V SPTY STN, FAIRAMT FREE OOL, SCAT AREN

LS - CRM / TAN, F XLN, OOL IN PT, SCAT AREN, CHKY IN PT, PRED DNS, NS

LS - CRM / TAN, F XLN, PRED OOL, SL / MOD AREN IN PT, CHKY IN PT, PRED DNS, NS

LS - TAN, F / SCAT VF / SCAT CRYPTO XLN, OOL IN PT, PRED DNS, NS W/ SCAT CHT - TAN / GY / WHT

LS - TAN / CRM, F / SCAT VF XLN, FOSS IN PT, SCAT CHKY, PRED DNS, NS W/ SCAT CHT - AA

LS - TAN / SCAT GY, F / VF / SCAT CRYPTO XLN, OOL IN PT, SUBCHKY IN PT, PRED DNS, NS

LS - TAN / GY, F / VF XLN, SCAT OOL, PRED DNS, NS W/ SCAT CHT - WHT / LT GY

LS - TAN / GY, MOT IN PT, F / VF XLN, SCAT REXLN CALC, OOL IN PT, PRED DNS, NS W/ CHT - GY / TAN / BRN

LS - TAN / BRN, F / VF / SCAT CRYPTO XLN, OOL IN PT, TR FOSS, PRED DNS, NS W/ ABNT CHT - LT GY

MISS ST GEN 4656 (-1750)

MISS ST LOUIS 4662 (-1756)

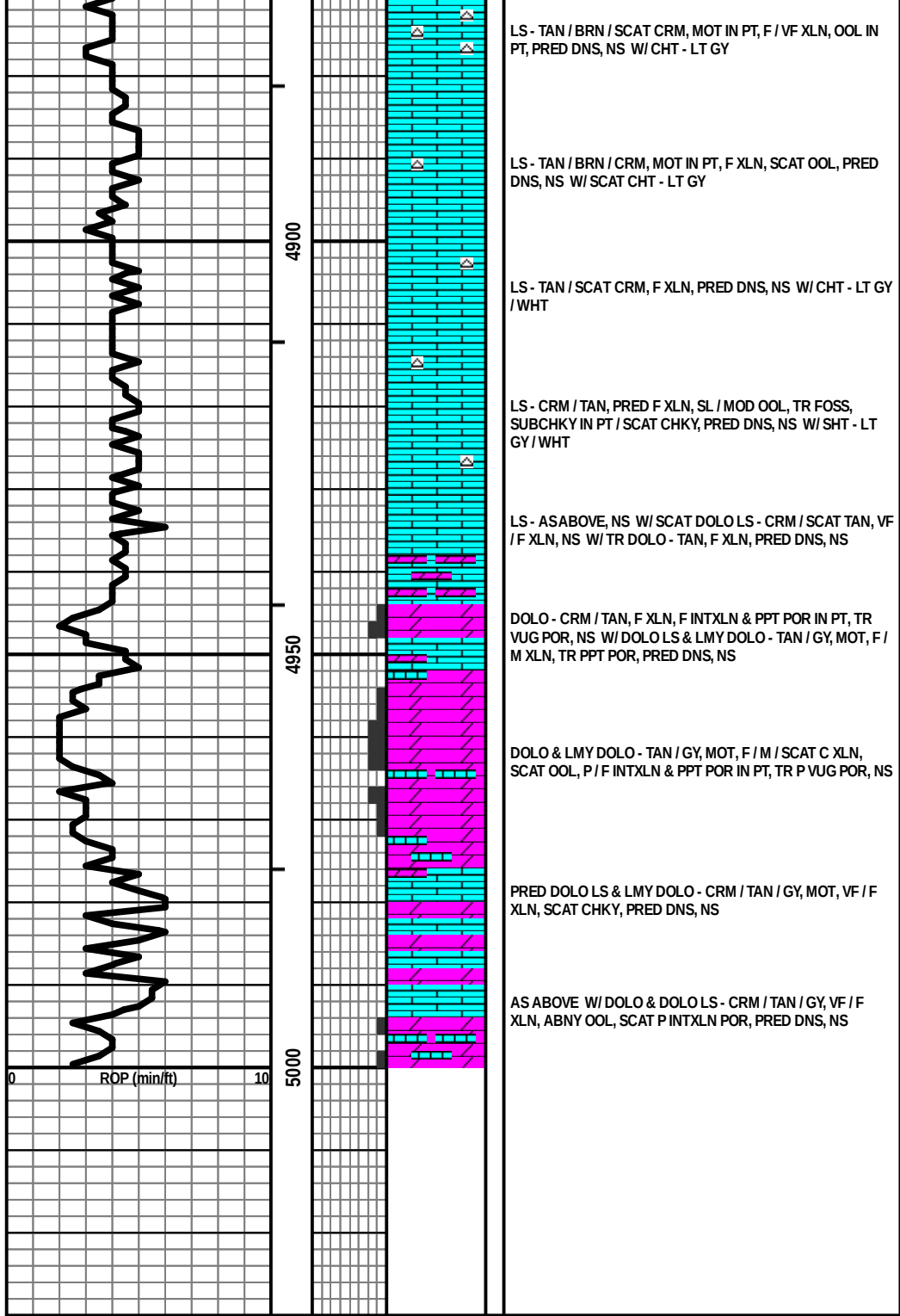
Vis: 59, Wt: 9.2, YP: 20,
GelS: 15/40, pH: 10.0, WL: 7.2,
Chl: 2,000, Sol: 6.3, LCM: 4#

Vis: 53, Wt: 9.2, YP: 16,
GelS: 14/38, pH: 10.0, WL: 7.2,
Chl: 2,200, Sol: 6.2, LCM: 5#

DST #4: 4738'-4754'
SEE DST HEADER FOR RESULTS

Vis: 50, Wt: 9.2, LCM: 4#

Vis: 52, Wt: 9.2, YP: 18,
GelS: 14/36, pH: 10.5, WL: 7.2



MISS SPERGEN 4938 (-2032)

Vis: 55, Wt: 9.2, LCM: 4#

TOTAL DEPTH 5000 (-2094)



HP Oilfield Services, LLC
383 Inverness Parkway, Suite 330
Englewood, CO 80112

RECEIVED

FEB - 5 2024

Invoice

Date	Invoice #
2/1/2024	45089

Bill To
Abercrombie Energy, LLC 10209 W. Central, Suite #2 Wichita, KS 67212

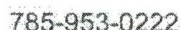
Lease
Morgan #1-35

Order by / P.O. No.	Terms
	Net 30

Description	Unit	Hrs / Qty	U/M	Rate	Amount
Cement Services					
Field Ticket #: 2847 K-C					
Description: Please see Attached Field Ticket					
Pump Charge for Cement	103	1	ea	1,150.00	1,150.00
Pumptruck Mileage	103	40	ea	7.15	286.00
Mileage Delivery of Bulk Material - 40 x 10.58 = 423.20 x 1.75 = 740.60	103	423.2	ea	1.75	740.60
Surface Blend II, 2% Gel/3% CaCl	CMT	225	SKS	26.00	5,850.00T
Discount - Non-Taxable Items	CMT	1	ea	-217.66	-217.66
Discount - Taxable Items	CMT	1	ea	-585.00	-585.00T
Subtotal prior to Sales Taxes					7,223.94
KS & Scott County Sales Tax				8.50%	447.53
	DESC				
	CEMENT FOR SURF				
	GL ACCT	9308			
	LSE/SUB-ACCT	MORGAN			
	APPROVED				

Thank you for your business.

Total \$7,671.47



TICKET NUMBER 2847 K-C
LOCATION Garden City
FOREMAN Walt Dunkel

FIELD TICKET & TREATMENT REPORT
CEMENT

JOB TYPE	Sur Face	HOLE SIZE	12 1/4"	HOLE DEPTH	348	CASING SIZE & WEIGHT	8 5/8 - 23 #
CASING DEPTH	348	DRILL PIPE		TUBING		OTHER	
SLURRY WEIGHT	15.2	SLURRY VOL		WATER gal/sk		CEMENT LEFT in CASING	15-20'
DISPLACEMENT	21	DISPLACEMENT PSI		MIX PSI		RATE	

REMARKS: Safety Meeting, Rig up on Pickrell Drk, circ casing on bottom
mix 225 sks class A, 3%cc-2% (w), Displace @ 1 BBL H₂O, Shut in

Cement Did Cr

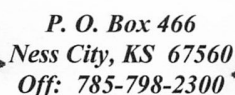
Approx 4 BBL to P.I

Thank You
Walt + Crew

[illegible]

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payments terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



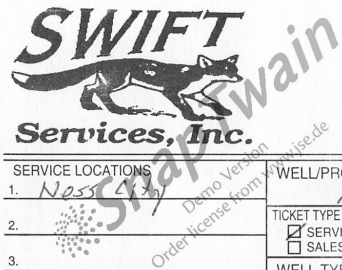
DATE	INVOICE #
2/15/2024	36871

Abercrombie Energy, LLC
10209 W. Central, Suite 2
Wichita, KS 67212

WICHITA

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	1-35	Morgan	Scott	Pickrell	Oil	Development	5 1/2 Longstring	Preston
PRICE REF.		DESCRIPTION			QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way			75	Miles	8.00	600.00	
579D	Pump Charge - Two-Stage & Top To Bottom LongString			1	Job	2,400.00	2,400.00	
408-5	5 1/2" D.V. Tool & Plug Set			1	Each	3,500.00	3,500.00	
407-5	5 1/2" Insert Float Shoe With Auto Fill			1	Each	400.00	400.00	
417-5	5 1/2" D.V. Latch Down Plug & Baffle			1	Each	300.00	300.00	
409-5	5 1/2" Turbolizer			9	Each	110.00	990.00	
403-5	5 1/2" Cement Basket			1	Each	350.00	350.00	
330	Swift Multi-Density Standard (MIDCON II)			300	Sacks	24.00	7,200.00	
276	Flocele			75	Lb(s)	4.00	300.00	
325	Standard Cement			175	Sacks	17.50	3,062.50	
284	Calseal			8	Sack(s)	50.00	400.00	
283	Salt			900	Lb(s)	0.25	225.00	
292	Halad 322			125	Lb(s)	9.00	1,125.00	
276	Flocele			50	Lb(s)	4.00	200.00	
281	Mud Flush			500	Gallon(s)	2.50	1,250.00	
221	Liquid KCL (Clayfix)			4	Gallon(s)	25.00	100.00	
290	D-Air			4	Gallon(s)	45.00	180.00	
581D	Service Charge Cement			475	Sacks	2.00	950.00	
583D	Drayage			1,806	Ton Miles	1.00	1,806.00	
		Subtotal						25,338.50
		Sales Tax Scott County					8.50%	1,656.01
		DESC <u>Cement for Production casing</u>						
		GL ACCT <u>9362</u>						
		LSE/SUB-ACCT <u>MORGAN</u>						
		APPROVED <u>AK</u>						
We Appreciate Your Business!						Total	\$26,994.51	



TICKET 36871

PAGE	OF
1	2

SERVICE LOCATIONS		WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1.	Ness 11-1	1-35	Morgan	Scott	KS		2-15-24	
2.		TICKET TYPE ☒ SERVICE ☐ SALES	CONTRACTOR Pickrell Drk.	RIG NAME/NO.	SHIPPED VIA CT	DELIVERED TO location	ORDER NO.	
3.		WELL TYPE Oil	WELL CATEGORY longest envelope	JOB PURPOSE 2-stage longest 3 1/2	WELL PERMIT NO.	WELL LOCATION E-into Crigsten 15-5		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS						

[illegible]

ARE YOU SATISFIED WITH OUR SERVICE? ☐ YES ☐ NO

☐ CUSTOMER DID NOT WISH TO RESPOND

Thank You!

PO Box 466
Ness City, KS 67560
Off: 785-798-2300

CUSTOMER
Aberecrombie Energy

WELL	1-35
Morgan	

DATE 2-15-24

PAGE 2 OF 2

[illegible]

JOB LOG

SWIFT Services, Inc.

DATE

2-15-24

PAGE NO.

1

CUSTOMER

WELL NO.

LEASE

JOB TYPE

TICKET NO.

Abercrombie Energy

1-35

Morgan

2-stage
longstring

36871

CHART
NO.

TIME

RATE
(BPM)VOLUME
(BBL) (GAL)PUMPS
T CPRESSURE (PSI)
TUBING CASING

DESCRIPTION OF OPERATION AND MATERIALS

14:00

ON location
5 1/2" 15.5"TO 5000' set @ 4988'
DV 2192' 65" basket #65Turbolizer 2, 6, 8, 10, 17, 21, 25, 63, 66
start Csg.

17:00

Circulate

18:00

12

✓

pump mud Flash

20

✓

KCL spacer

16:15

4

42

✓

200

mix 175 SK Ea 2 @ 15.5ppg

w/out pump lines & drop 1st plug

16:35

6

-0-

✓

200

start displacement

17:00

4.5

119

✓

1700

land plug psi hold

Release & wash pump truck

17:05

✓

drop DV tool opener

17:30

✓

700

open DV tool

circulate

20:10

6

20

✓

200

KCL spacer

20:20

16

✓

plug RH 30SK SMD

20:25

6

150

✓

200

mix 270SK SMD @ 11.2ppg

21:00

w/out pump lines & drop plug

21:05

6

-0-

✓

200

start displacement

21:15

52

✓

1600

land plug hold

21:25

wash pump truck

22:00

Job complete

Bresnan, Wayne, Kirby, Jon, Austin

35 SKS to pit