KOLAR Document ID: 1536894

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 # 33937
Name: Neal LaFon Realty Inc. dba Meridian Energy Inc.
Address 1: 1475 WARD DR
Address 2:
City: FRANKTOWN State: CO Zip: 80116 + 9405
Contact Person: Maxwell LaFon
Phone: ( 303 ) 594-0515
CONTRACTOR: License # 31548
Name: Discovery Drilling
Wellsite Geologist: Maxwell LaFon
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 #:

| 11/9/2020 | 11/17/2020 | 1/21/2021 |
|---|---|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No.: 15-051-26994-00-00
Spot Description:
SE - NW - SE - SW Sec. 2 Twp. 14 S. R. 19 ☐ East ☑ West
845 Feet from ☐ North / ☑ South Line of Section
1730 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Ellis
Lease Name: STADELMAN Well #: 1
Field Name:
Producing Formation: Arbuckle
Elevation: Ground: 2212 Kelly Bushing: 2220
Total Vertical Depth: 3883 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 216 Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set: 1489 Feet
If Alternate II completion, cement circulated from: 1489
feet depth to: 0 w/ 155 sx cmt.

**Drilling Fluid Management Plan**
*(Data must be collected from the Reserve Pit)*
Chloride content: 9900 ppm Fluid volume: 722 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Charter Energy, Inc.
Lease Name: Johnston 2 License #: 9090
Quarter SW Sec. 24 Twp. 13 S. R. 20 ☐ East ☑ West
County: Ellis Permit #: D33021.0

**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: 04/12/2021
☐ **Confidential Release Date:**
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
**ALT** ☐ I ☑ II ☐ III **Approved by:** Karen Ritter **Date:** 04/12/2021

Operator Name: Neal LaFon Realty Inc. dba Meridian Energy Inc. Lease Name: STADELMAN Well #: 1

Sec. 2 Twp. 14 S. R. 19 ☐ East ☑ West County: Ellis

**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 *(Attach Additional Sheets)* | ☑ Yes | ☐ No | |
| Samples Sent to Geological Survey | ☑ Yes | ☐ No | |
| Cores Taken | ☐ Yes | ☑ No | |
| Electric Log Run | ☑ Yes | ☐ No | |
| Geologist Report / Mud Logs | ☑ Yes | ☐ No | |

List All E. Logs Run:

Dual Induction
Dual Comp Porosity
Microresistivity

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name: Attached Top: Attached Datum: Attached

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
|---|---|---|---|---|---|---|---|
| Surface | 12.25 | 8.625 | 20 | 216 | 60/40 Poz | 150 | 3%cc2%gel |
| Production | 7.875 | 5.5 | 14 | 3883 | EA/2 | 150 | n/a |
| | | | | | | | |

ADDITIONAL CEMENTING / SQUEEZE RECORD

| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
|---|---|---|---|---|
| ☐ Perforate<br>☐ Protect Casing<br>☐ Plug Back TD<br>☐ 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: 3/10/2021 | Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* | | | | | |
|---|---|---|---|---|---|---|
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity | |
| | | | | | | |

| DISPOSITION OF GAS: | METHOD OF COMPLETION: | PRODUCTION INTERVAL: | |
|---|---|---|---|
| | | Top | Bottom |
| ☐ Vented ☐ Sold ☐ Used on Lease<br>*(If vented, Submit ACO-18.)* | ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* | 3871 | 3879 |
| | | | |

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)* |
|---|---|---|---|---|---|
| 4 | 3871 | 3879 | | | 4 HEC @4spf w/ 39 gr. charges |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| TUBING RECORD: | Size: | Set At: | Packer At: | |
|---|---|---|---|---|
| | 2.875 | 3851 | | |

**Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202**

| | |
|---|---|
| Form | ACO1 - Well Completion |
| Operator | Neal LaFon Realty Inc. dba Meridian Energy Inc. |
| Well Name | STADELMAN 1 |
| Doc ID | 1536894 |

Tops

| Name | Top | Datum |
|---|---|---|
| Stone Corral | 1499 | +721 |
| Topeka | 3234 | -1014 |
| Heebner | 3478 | -1258 |
| Toronto | 3498 | -1278 |
| Lansing A | 3527 | -1307 |
| Lansing B | 3534 | -1314 |
| Lansing C | 3550 | -1330 |
| Lansing D | 3570 | -1350 |
| Lansing E | 3585 | -1365 |
| Lansing G | 3600 | -1380 |
| Lansing H | 3652 | -1432 |
| Lansing I | 3673 | -1453 |
| Lansing J | 3690 | -1470 |
| Lansing K | 3718 | -1498 |
| Lansing L | 3740 | -1519 |
| Lansing M | 3765 | -1545 |
| Base Kansas City | 3774 | -1554 |
| Conglomerate | 3818 | -1598 |
| Arbuckle | 3833 | -1613 |

| | |
|---|---|
| Form | ACO1 - Well Completion |
| Operator | Neal LaFon Realty Inc. dba Meridian Energy Inc. |
| Well Name | STADELMAN 1 |
| Doc ID | 1536894 |

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 | 20 | 216 | 60/40 Poz | 150 | 3%cc2%gel |
| Production | 7.875 | 5.5 | 14 | 3883 | EA/2 | 150 | n/a |
| | | | | | | | |
| | | | | | | | |

JOB LOG

# SWIFT Services. Inc.

DATE 11-17-20 | PAGE NO. 3

CUSTOMER Meridian Energy | WELL NO. #1 | LEASE Stadelman | JOB TYPE 2 stage | TICKET NO. 33195

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS T | PUMPS C | PRESSURE (PSI) TUBING | PRESSURE (PSI) CASING | DESCRIPTION OF OPERATION AND MATERIALS |
|---|---|---|---|---|---|---|---|---|
| | 1530 | | | | | | | ON location |
| | | | | | | | | Csg - 5 1/2 x 14 # |
| | | | | | | | | RTD - 3883 |
| | | | | | | | | Set @ 3883 |
| | | | | | | | | D.V. Tool - 1490 # 60 |
| | | | | | | | | Centralizers - 1, 3, 5, 7, 9, 39, 12, 14, 16 & 59 |
| | | | | | | | | Basket - 60 |
| | 1630 | | | | | | | Start Running Csg |
| | 1900 | | | | | | | Start Circ |
| | | 5 | 12 | | | 300 | | pump Mudflush - 500 Gal |
| | | 5 | 20 | | | 300 | | pump Kcl spacer |
| | | | | | | | | - Take on Mud for Disp |
| | | 5 | 36 | | | 300 | | pump cmt - 150 sx EA-2 @ 15.5 ppg |
| | | | | | | | | Drop plug - wash p & L |
| | | 5.5 | 0 | | | 0 | | Start Disp w/ wtr |
| | | 5.5 | 60 | | | 300 | | Switch to mud |
| | 2100 | 5.5 | 94 | | | 800/1400 | | land plug - lift - 800 land - 1400 |
| | | | | | | | | Release psi - Dry |
| | 2105 | | | | | | | Drop D.V. opening tool |
| | | 2.5 | 8 | | | 0 | | plug rat Hole - 30 sx |
| | | 2.5 | 4 | | | 0 | | plug mouse hole - 15 sx |
| | 2120 | | | | | 900 | | open D.V. Tool |
| | | | 85 | | | | | pump cmt - 155 sx SMD @ 11.2 ppg |
| | | | | | | | | Drop plug |
| | 2150 | | 0 | | | 200 | | Start Disp |
| | | | 34 | | | 700 | | Circ cmt - 5 sx to pit |
| | 2200 | | 36 | | | 1500 | | Land Plug - Lift 700 Land 1500 |
| | | | | | | | | Release Psi - Dry |
| | | | | | | | | Job Complete |
| | | | | | | | | Thanks |
| | | | | | | | | David, Zach & Isaac |

# DRILL STEM TEST REPORT

Meridian Energy Inc

1475 Ward Dr
Franktow n CO 80116+9405

ATTN: Maxw ell LaFon

**2-14s-19w Ellis KS**

**Stadelman #1**

Job Ticket: 67446 **DST#: 4**

Test Start: 2020.11.16 @ 13:58:00

## GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:23:37
Time Test Ended: 23:36:57

Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84

**Interval: 3869.00 ft (KB) To 3880.00 ft (KB) (TVD)**
Total Depth: 3880.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

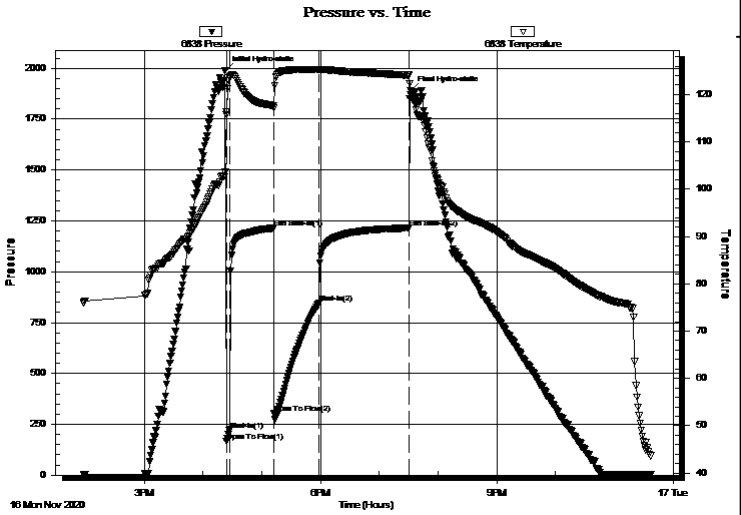
Reference Elevations: 2220.00 ft (KB)
2212.00 ft (CF)
KB to GR/CF: 8.00 ft

**Serial #: 6838** **Inside**

Press@RunDepth: 846.35 psig @ 3872.00 ft (KB)
Start Date: 2020.11.16 End Date: 2020.11.16
Start Time: 13:58:01 End Time: 23:36:57

Capacity: psig
Last Calib.: 2020.11.16
Time On Btm: 2020.11.16 @ 16:22:37
Time Off Btm: 2020.11.16 @ 19:31:47

TEST COMMENT: 5-IF-BOB 1 min Built to 34"
45-ISI-Surface to 3/4"
45-FF-BOB 1 min Built to 202"
90-FSI-Surface to 1"




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 1989.30 | 103.68 | Initial Hydro-static |
| 1 | 166.54 | 116.37 | Open To Flow (1) |
| 5 | 223.02 | 123.66 | Shut-In(1) |
| 50 | 1214.38 | 117.64 | End Shut-In(1) |
| 50 | 304.96 | 117.15 | Open To Flow (2) |
| 96 | 846.35 | 125.24 | Shut-In(2) |
| 188 | 1215.44 | 124.08 | End Shut-In(2) |
| 190 | 1891.81 | 120.04 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 30.00 | GWCMO 20%G 15%W 20%M 45%O | 0.15 |
| 2130.00 | GO 35%G 65%O | 30.19 |
| 0.00 | 90 GIP | 0.00 |
| | | |
| | | |
| | | |

* Recovery from multiple tests

## Gas Rates

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

# DRILL STEM TEST REPORT

Meridian Energy Inc

1475 Ward Dr
Franktow n CO 80116+9405

ATTN: Maxw ell LaFon

**2-14s-19w Ellis KS**

**Stadelman #1**

Job Ticket: 67446 **DST#: 4**

Test Start: 2020.11.16 @ 13:58:00

## GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:23:37
Time Test Ended: 23:36:57

Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84

**Interval: 3869.00 ft (KB) To 3880.00 ft (KB) (TVD)**
Total Depth: 3880.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

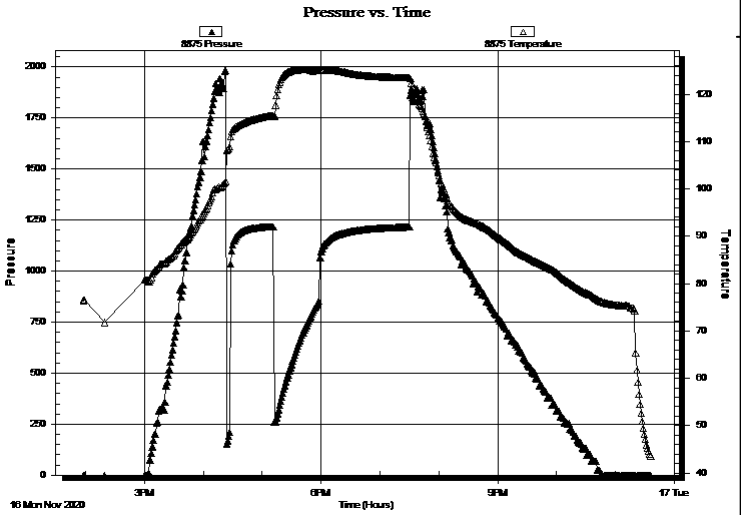
Reference Elevations: 2220.00 ft (KB)
2212.00 ft (CF)
KB to GR/CF: 8.00 ft

**Serial #: 8875** **Outside**

Press@RunDepth: psig @ 3872.00 ft (KB)
Start Date: 2020.11.16 End Date: 2020.11.16
Start Time: 13:58:01 End Time: 23:36:57

Capacity: psig
Last Calib.: 2020.11.16
Time On Btm:
Time Off Btm:

TEST COMMENT: 5-IF-BOB 1 min Built to 34"
45-ISI-Surface to 3/4"
45-FF-BOB 1 min Built to 202"
90-FSI-Surface to 1"




## PRESSURE SUMMARY

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

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 30.00 | GWCMO 20%G 15%W 20%M 45%O | 0.15 |
| 2130.00 | GO 35%G 65%O | 30.19 |
| 0.00 | 90 GIP | 0.00 |
| | | |
| | | |
| | | |

* Recovery from multiple tests

## Gas Rates

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

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Meridian Energy Inc

1475 Ward Dr
Franktow n CO 80116+9405

ATTN: Maxw ell LaFon

**2-14s-19w Ellis KS**

**Stadelman #1**

Job Ticket: 67446 **DST#: 4**

Test Start: 2020.11.16 @ 13:58:00

## Mud and Cushion Information

| | | | | | |
|---|---|---|---|---|---|
| Mud Type: | Gel Chem | Cushion Type: | | Oil API: | 27 deg API |
| Mud Weight: | 9.00 lb/gal | Cushion Length: | ft | Water Salinity: | 43000 ppm |
| Viscosity: | 57.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 7.60 in³ | Gas Cushion Type: | | | |
| Resistivity: | ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 9800.00 ppm | | | | |
| Filter Cake: | inches | | | | |

## Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|---|---|---|
| 30.00 | GWCMO 20%G 15%W 20%M 45%O | 0.148 |
| 2130.00 | GO 35%G 65%O | 30.194 |
| 0.00 | 90 GIP | 0.000 |

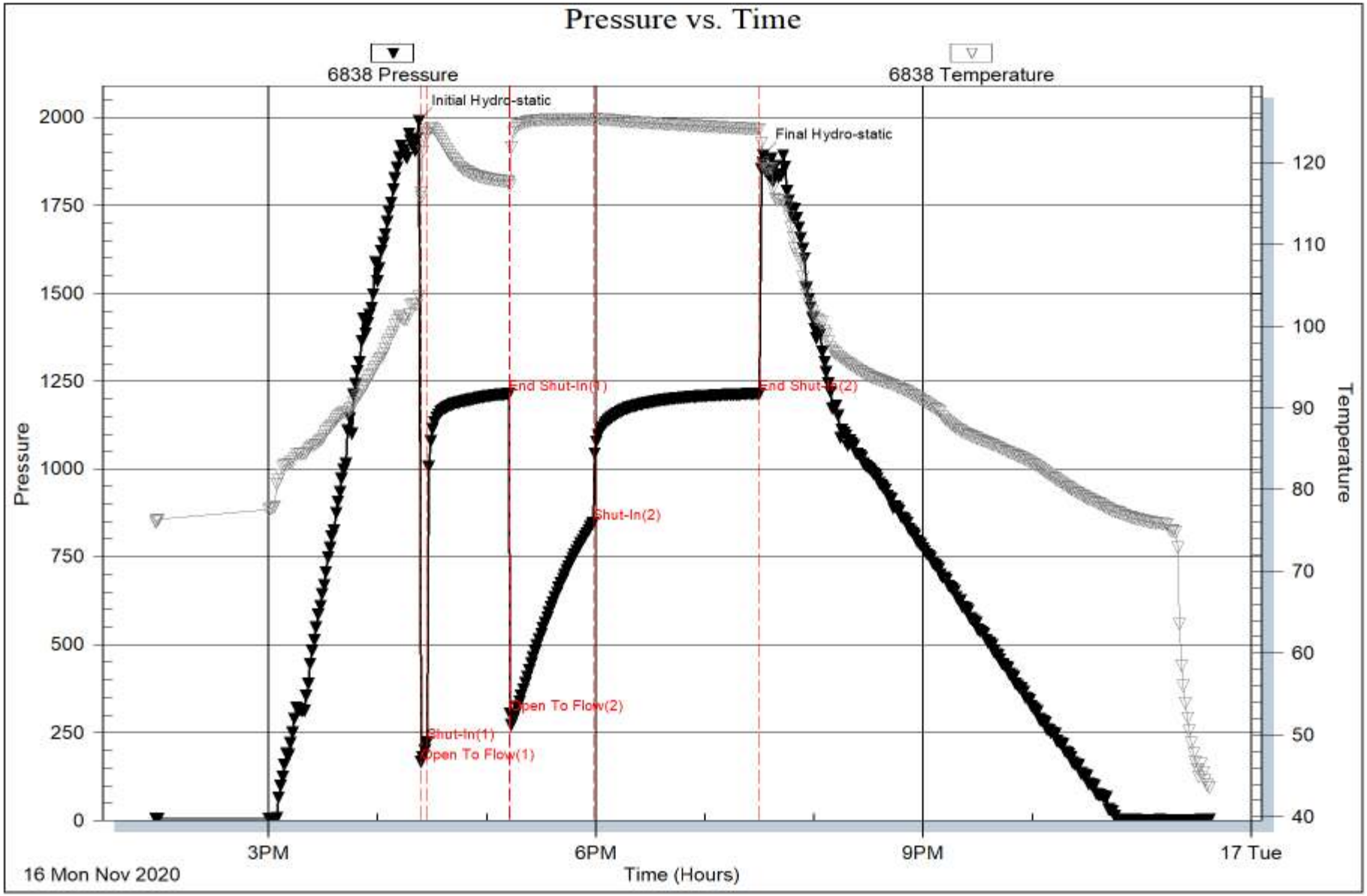
Total Length: 2160.00 ft Total Volume: 30.342 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

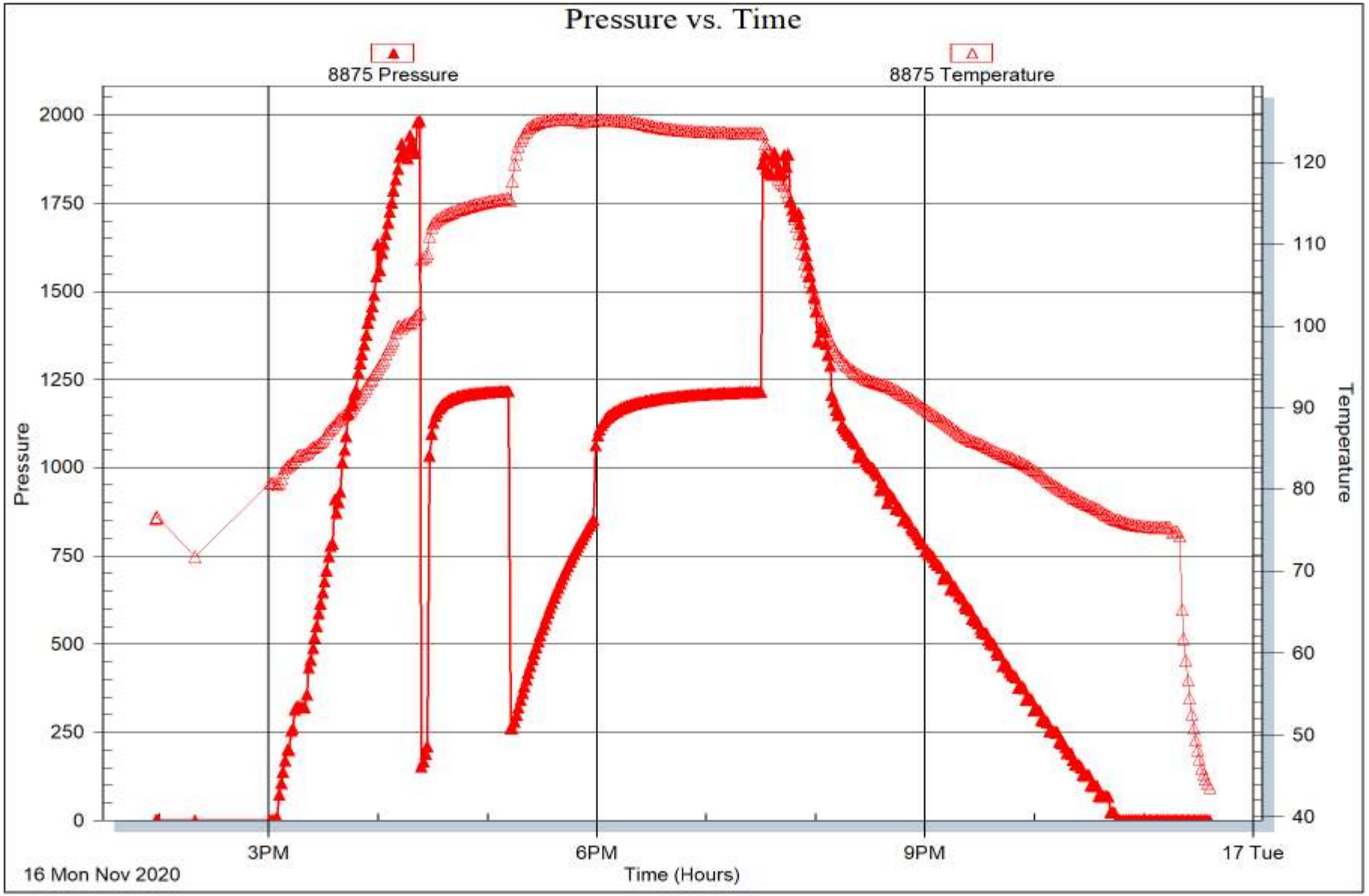
Recovery Comments: 2#LCM
RW=.323 @ 37F

Serial #: 6838 **Inside** Meridian Energy Inc Stadelman #1 DST Test Number: 4




Trilobite Testing, Inc Ref. No: 67446 Printed: 2020.11.17 @ 05:14:57

Serial #: 8875 **Outside** Meridian Energy Inc Stadelman #1 DST Test Number: 4




Trilobite Testing, Inc Ref. No: 67446 Printed: 2020.11.17 @ 05:14:57

# DRILL STEM TEST REPORT

Meridian Energy Inc

1475 Ward Dr
Franktow n CO 80116+9405

ATTN: Maxw ell LaFon

**2-14s-19w Ellis KS**

**Stadelman #1**

Job Ticket: 67443 **DST#: 1**

Test Start: 2020.11.14 @ 01:00:00

## GENERAL INFORMATION:

Formation: **Lansing C-E**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:50:57
Time Test Ended: 08:20:26

Test Type: Conventional Bottom Hole (Initial)
Tester: Spencer J Staab
Unit No: 84

**Interval: 3543.00 ft (KB) To 3593.00 ft (KB) (TVD)**
Total Depth: 3593.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

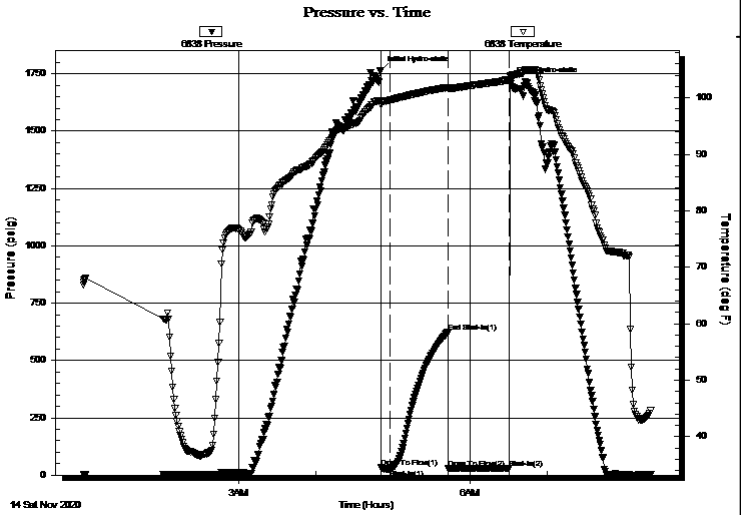
Reference Elevations: 2220.00 ft (KB)
2212.00 ft (CF)
KB to GR/CF: 8.00 ft

**Serial #: 6838** **Inside**

Press@RunDepth: 27.31 psig @ 3547.00 ft (KB)
Start Date: 2020.11.14 End Date: 2020.11.14
Start Time: 01:00:01 End Time: 08:20:27

Capacity: psig
Last Calib.: 2020.11.14
Time On Btm: 2020.11.14 @ 04:50:52
Time Off Btm: 2020.11.14 @ 06:31:26

TEST COMMENT: 5-IF-Weak Surface
45-ISI-No Return
45-FF-Very Weak Surface




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 1764.96 | 99.53 | Initial Hydro-static |
| 1 | 32.51 | 98.71 | Open To Flow (1) |
| 7 | 27.31 | 99.61 | Shut-In(1) |
| 52 | 622.94 | 101.84 | End Shut-In(1) |
| 53 | 30.09 | 101.70 | Open To Flow (2) |
| 100 | 28.45 | 103.25 | Shut-In(2) |
| 101 | 1714.40 | 103.88 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 1.00 | Mud 100%M | 0.00 |
| | | |
| | | |
| | | |
| | | |
| | | |

## Gas Rates

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

# DRILL STEM TEST REPORT

Meridian Energy Inc

1475 Ward Dr
Franktow n CO 80116+9405

ATTN: Maxw ell LaFon

**2-14s-19w Ellis KS**

**Stadelman #1**

Job Ticket: 67443 **DST#: 1**

Test Start: 2020.11.14 @ 01:00:00

## GENERAL INFORMATION:

Formation: **Lansing C-E**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:50:57
Time Test Ended: 08:20:26

Test Type: Conventional Bottom Hole (Initial)
Tester: Spencer J Staab
Unit No: 84

**Interval: 3543.00 ft (KB) To 3593.00 ft (KB) (TVD)**
Total Depth: 3593.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

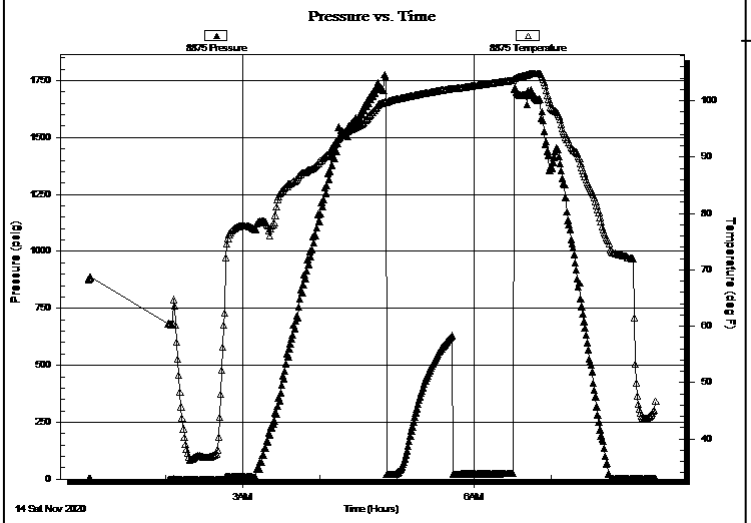
Reference Elevations: 2220.00 ft (KB)
2212.00 ft (CF)
KB to GR/CF: 8.00 ft

**Serial #: 8875** **Inside**

Press@RunDepth: psig @ 3547.00 ft (KB)
Start Date: 2020.11.14 End Date: 2020.11.14
Start Time: 01:00:01 End Time: 08:21:07

Capacity: psig
Last Calib.: 2020.11.14
Time On Btm:
Time Off Btm:

TEST COMMENT: 5-IF-Weak Surface
45-ISI-No Return
45-FF-Very Weak Surface




## PRESSURE SUMMARY

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

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 1.00 | Mud 100%M | 0.00 |
| | | |
| | | |
| | | |
| | | |
| | | |

## Gas Rates

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

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Meridian Energy Inc

1475 Ward Dr
Franktown CO 80116+9405

ATTN: Maxwell LaFon

**2-14s-19w Ellis KS**

**Stadelman #1**

Job Ticket: 67443 **DST#: 1**

Test Start: 2020.11.14 @ 01:00:00

## 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: | 60.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 6.00 in³ | Gas Cushion Type: | | | |
| Resistivity: | ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 6500.00 ppm | | | | |
| Filter Cake: | inches | | | | |

## Recovery Information

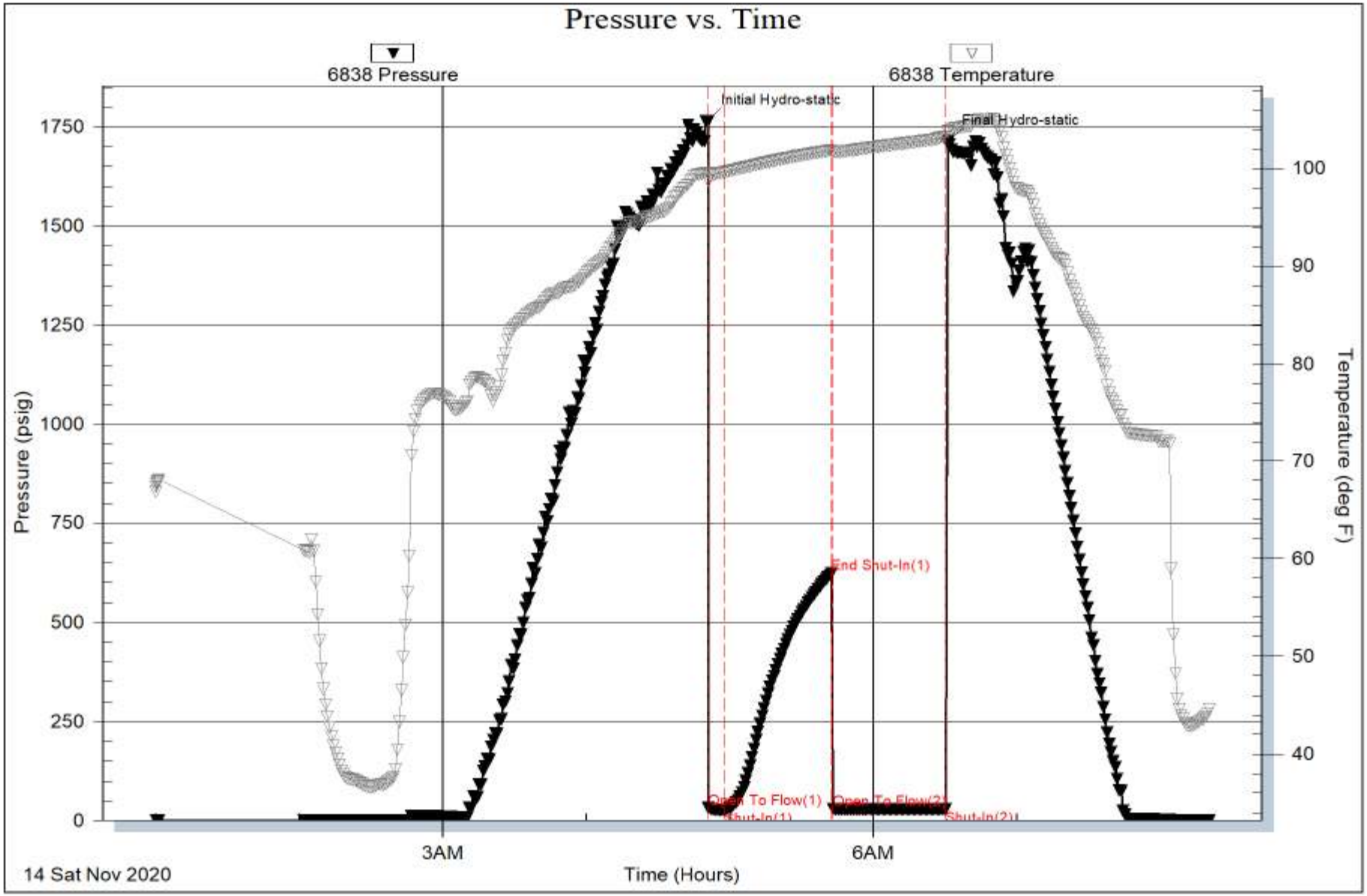
Recovery Table

| Length ft | Description | Volume bbl |
|---|---|---|
| 1.00 | Mud 100%M | 0.005 |

Total Length: 1.00 ft Total Volume: 0.005 bbl

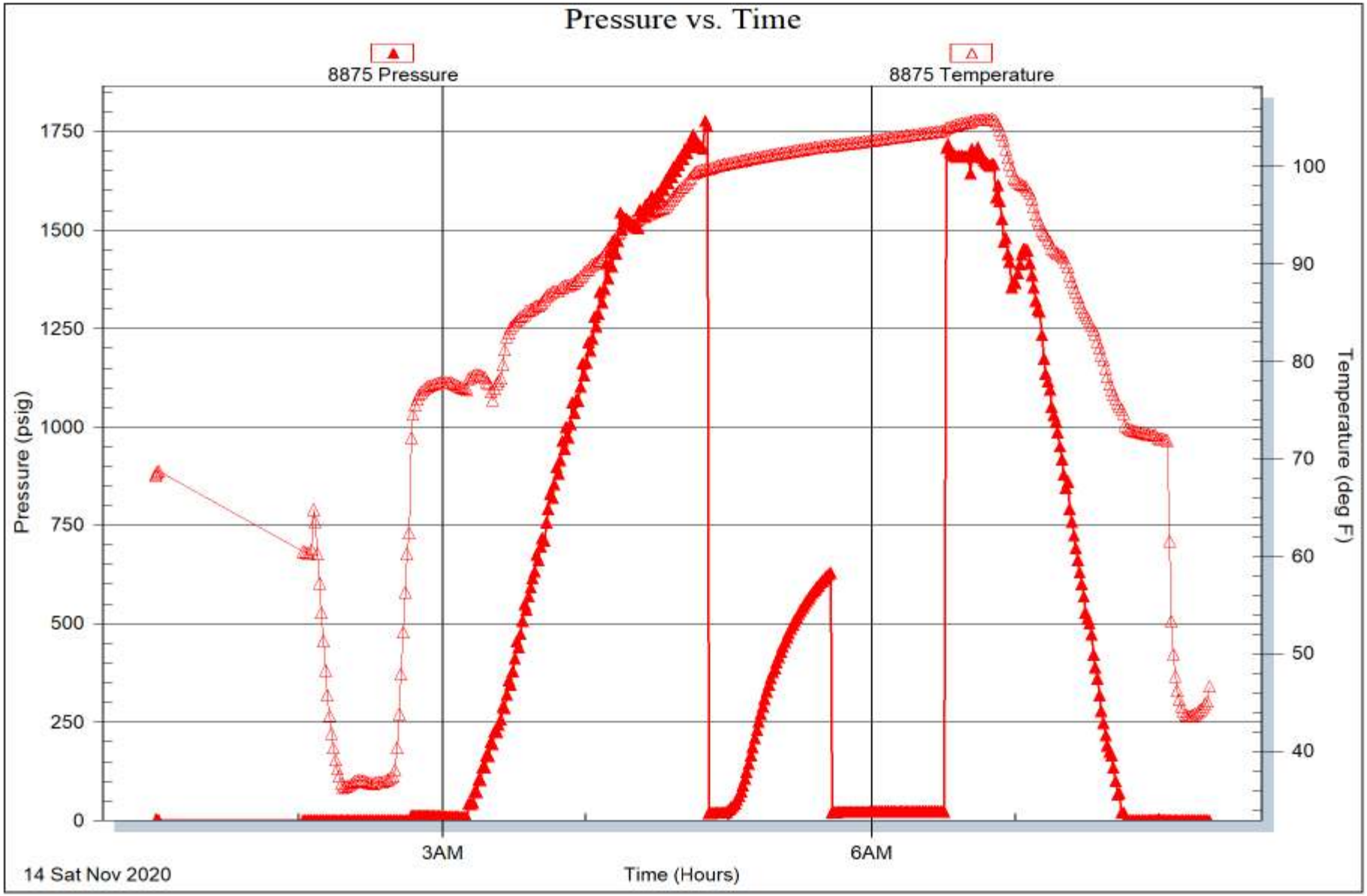
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 2#LCM

Serial #: 6838 **Inside** Meridian Energy Inc Stadelman #1 DST Test Number: 1




Trilobite Testing, Inc Ref. No: 67443 Printed: 2020.11.14 @ 09:13:31

Serial #: 8875 **Inside** Meridian Energy Inc Stadelman #1 DST Test Number: 1




Trilobite Testing, Inc Ref. No: 67443 Printed: 2020.11.14 @ 09:13:31

# DRILL STEM TEST REPORT

Meridian Energy Inc

1475 Ward Dr
Franktow n CO 80116+9405

ATTN: Maxw ell LaFon

**2-14s-19w Ellis KS**

**Stadelman #1**

Job Ticket: 67444 **DST#: 2**

Test Start: 2020.11.15 @ 08:17:01

## GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:33:57
Time Test Ended: 16:36:41

Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84

**Interval: 3817.00 ft (KB) To 3853.00 ft (KB) (TVD)**
Total Depth: 3853.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

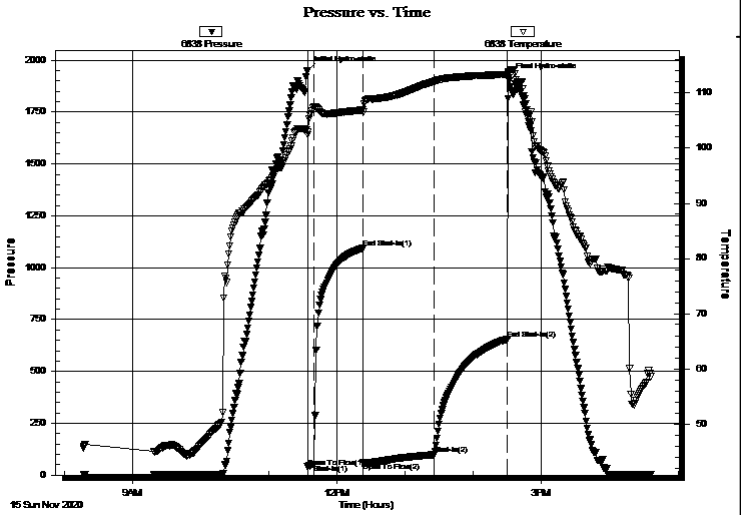
Reference Elevations: 2220.00 ft (KB)
2212.00 ft (CF)
KB to GR/CF: 8.00 ft

**Serial #: 6838** **Inside**

Press@RunDepth: 98.84 psig @ 3820.00 ft (KB)
Start Date: 2020.11.15 End Date: 2020.11.15
Start Time: 08:17:01 End Time: 16:36:41

Capacity: psig
Last Calib.: 2020.11.15
Time On Btm: 2020.11.15 @ 11:33:52
Time Off Btm: 2020.11.15 @ 14:31:02

TEST COMMENT: 5-IF-Fair Built to 4 1/2"
45-ISI-Weak Built to 3/4"
60-FF-Fair Built to 7 1/4" Died back to 6"
60-FSI-Weak Surface




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 1950.98 | 103.31 | Initial Hydro-static |
| 1 | 39.98 | 102.47 | Open To Flow (1) |
| 6 | 53.43 | 107.57 | Shut-In(1) |
| 49 | 1093.18 | 106.93 | End Shut-In(1) |
| 50 | 61.46 | 106.52 | Open To Flow (2) |
| 112 | 98.84 | 112.10 | Shut-In(2) |
| 177 | 656.77 | 113.39 | End Shut-In(2) |
| 178 | 1914.73 | 113.56 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 30.00 | OCM 20%O 80%M | 0.15 |
| 60.00 | MCO 20%M 80%O | 0.85 |
| 115.00 | FO 100%O | 1.63 |
| 0.00 | 95 GIP 100% G | 0.00 |
| | | |
| | | |

* Recovery from multiple tests

## Gas Rates

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

# DRILL STEM TEST REPORT

Meridian Energy Inc

1475 Ward Dr
Franktow n CO 80116+9405

ATTN: Maxw ell LaFon

**2-14s-19w Ellis KS**

**Stadelman #1**

Job Ticket: 67444 **DST#: 2**

Test Start: 2020.11.15 @ 08:17:01

## GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:33:57
Time Test Ended: 16:36:41

Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84

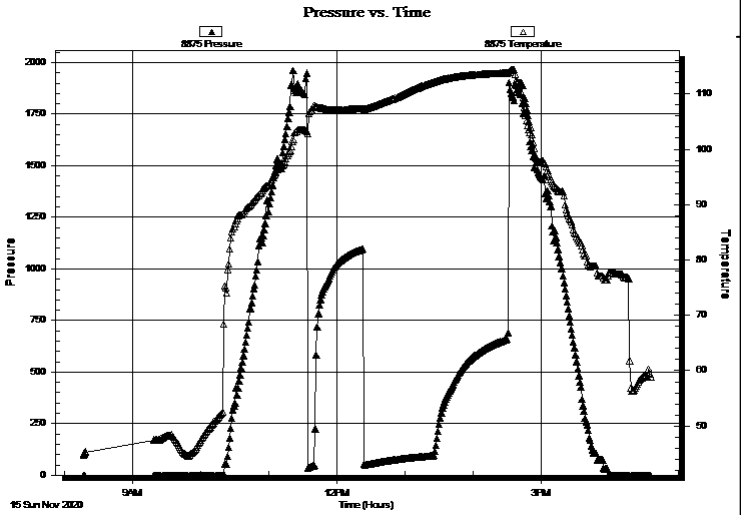
**Interval: 3817.00 ft (KB) To 3853.00 ft (KB) (TVD)**
Total Depth: 3853.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2220.00 ft (KB)
2212.00 ft (CF)
KB to GR/CF: 8.00 ft

**Serial #: 8875** **Inside**
Press@RunDepth: psig @ 3820.00 ft (KB)
Start Date: 2020.11.15 End Date: 2020.11.15
Start Time: 08:17:01 End Time: 16:36:41

Capacity: psig
Last Calib.: 2020.11.15
Time On Btm:
Time Off Btm:

TEST COMMENT: 5-IF-Fair Built to 4 1/2"
45-ISI-Weak Built to 3/4"
60-FF-Fair Built to 7 1/4" Died back to 6"
60-FSI-Weak Surface




## PRESSURE SUMMARY

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

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 30.00 | OCM 20%O 80%M | 0.15 |
| 60.00 | MCO 20%M 80%O | 0.85 |
| 115.00 | FO 100%O | 1.63 |
| 0.00 | 95 GIP 100% G | 0.00 |
| | | |
| | | |

* Recovery from multiple tests

## Gas Rates

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

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Meridian Energy Inc

1475 Ward Dr
Franktow n CO 80116+9405

ATTN: Maxw ell LaFon

**2-14s-19w Ellis KS**

**Stadelman #1**

Job Ticket: 67444 **DST#: 2**

Test Start: 2020.11.15 @ 08:17:01

## Mud and Cushion Information

| | | | | | |
|---|---|---|---|---|---|
| Mud Type: | Gel Chem | Cushion Type: | | Oil API: | 27 deg API |
| Mud Weight: | 9.00 lb/gal | Cushion Length: | ft | Water Salinity: | ppm |
| Viscosity: | 57.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 7.59 in³ | Gas Cushion Type: | | | |
| Resistivity: | ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 9800.00 ppm | | | | |
| Filter Cake: | inches | | | | |

## Recovery Information

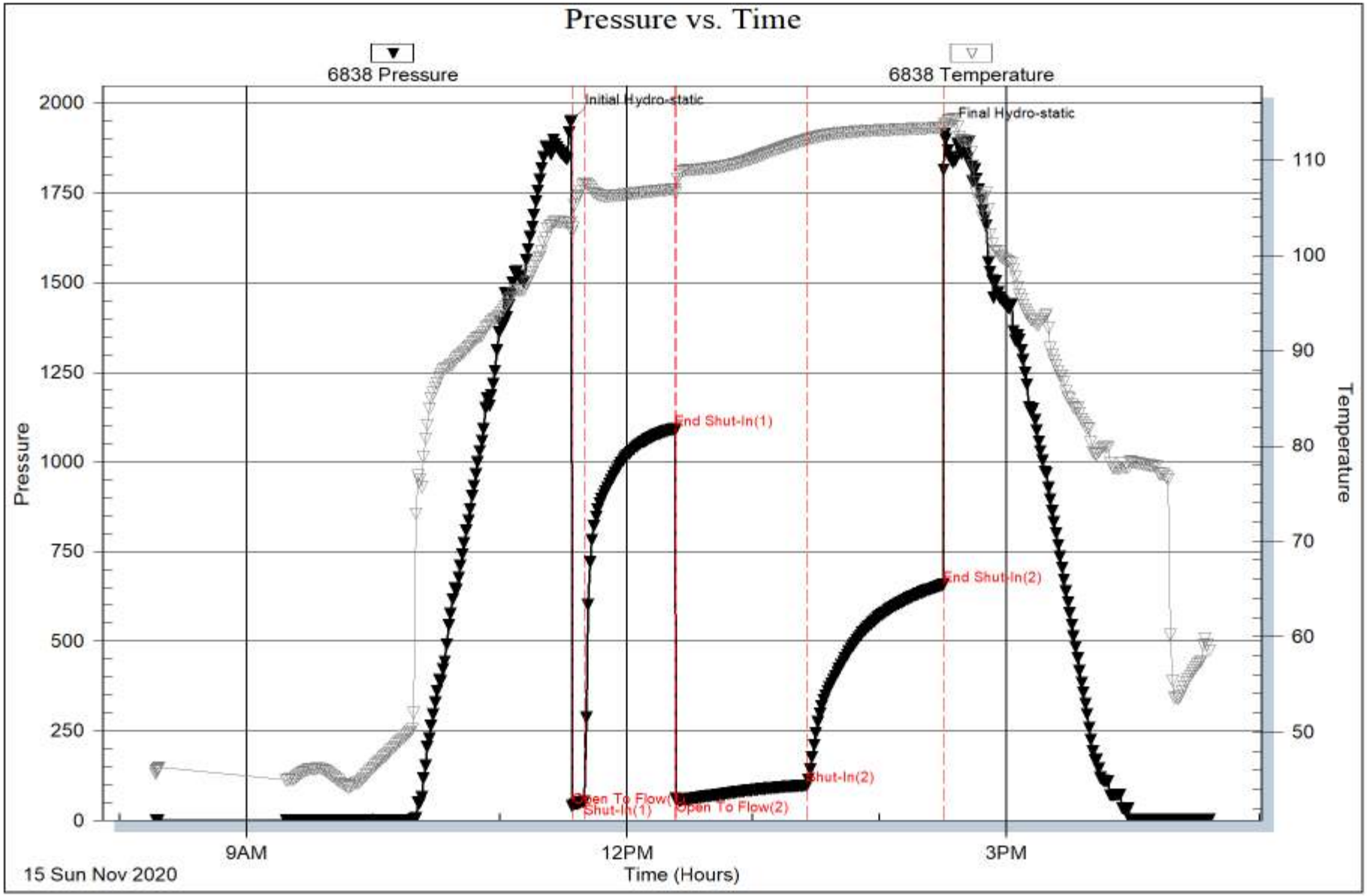
Recovery Table

| Length ft | Description | Volume bbl |
|---|---|---|
| 30.00 | OCM 20%O 80%M | 0.148 |
| 60.00 | MCO 20%M 80%O | 0.851 |
| 115.00 | FO 100%O | 1.630 |
| 0.00 | 95 GIP 100% G | 0.000 |

Total Length: 205.00 ft Total Volume: 2.629 bbl

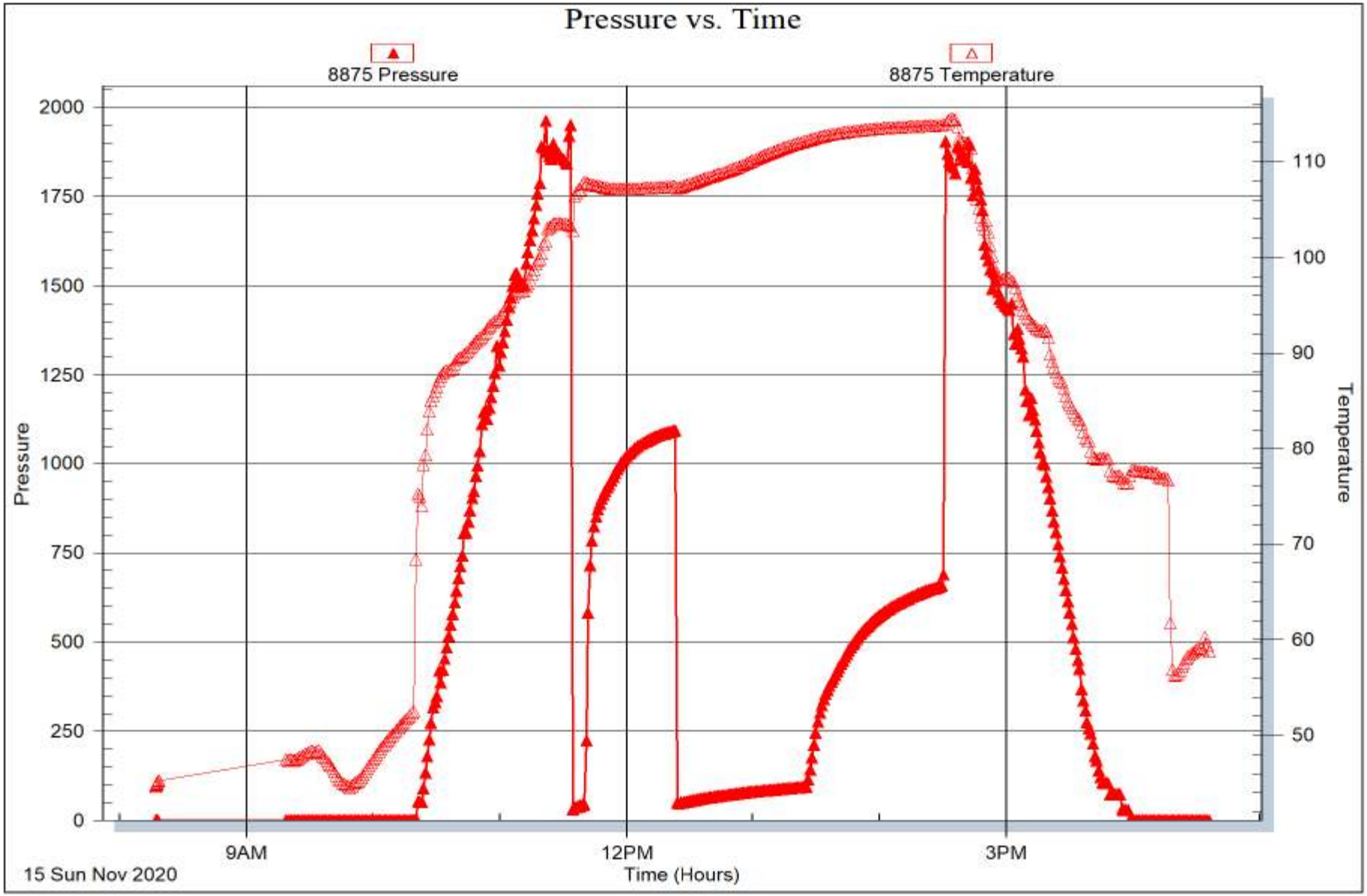
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 2#LCM

Serial #: 6838 **Inside** Meridian Energy Inc Stadelman #1 DST Test Number: 2




Trilobite Testing, Inc Ref. No: 67444 Printed: 2020.11.15 @ 18:43:58

Serial #: 8875 **Inside** Meridian Energy Inc Stadelman #1 DST Test Number: 2




Trilobite Testing, Inc Ref. No: 67444 Printed: 2020.11.15 @ 18:43:59

# DRILL STEM TEST REPORT

Meridian Energy Inc

1475 Ward Dr
Franktow n CO 80116+9405

ATTN: Maxw ell LaFon

**2-14s-19w Ellis KS**

**Stadelman #1**

Job Ticket: 67445 **DST#: 3**

Test Start: 2020.11.15 @ 22:29:00

## GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:17:37
Time Test Ended: 08:01:17

Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84

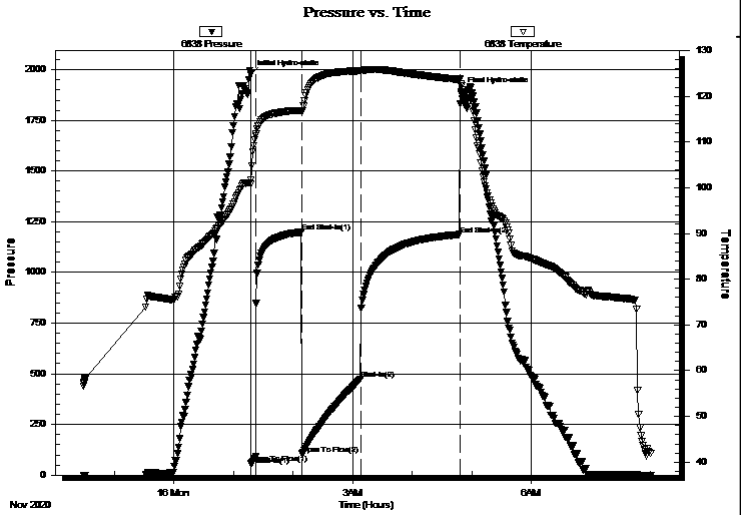
**Interval: 3853.00 ft (KB) To 3867.00 ft (KB) (TVD)**
Total Depth: 3867.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2220.00 ft (KB)
2212.00 ft (CF)
KB to GR/CF: 8.00 ft

**Serial #: 6838** **Inside**
Press@RunDepth: 473.45 psig @ 3854.00 ft (KB)
Start Date: 2020.11.15 End Date: 2020.11.16
Start Time: 22:29:01 End Time: 08:01:17

Capacity: psig
Last Calib.: 2020.11.16
Time On Btm: 2020.11.16 @ 01:17:32
Time Off Btm: 2020.11.16 @ 04:49:27

TEST COMMENT: 5-IF-BOB 3 min Built to 16 1/4"
45-ISI-Surface to 1 1/4"
60-FF-BOB 3 1/2 mins Built to 77"
90-FSI-Surface to 1 1/4"




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 1977.23 | 101.71 | Initial Hydro-static |
| 1 | 58.98 | 100.74 | Open To Flow (1) |
| 5 | 90.29 | 111.39 | Shut-In(1) |
| 52 | 1198.50 | 116.91 | End Shut-In(1) |
| 52 | 104.85 | 116.65 | Open To Flow (2) |
| 111 | 473.45 | 125.61 | Shut-In(2) |
| 211 | 1187.22 | 123.69 | End Shut-In(2) |
| 212 | 1891.23 | 122.71 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 15.00 | MO 70%O 30%M | 0.07 |
| 1185.00 | GO 15%G 85%O | 16.66 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

## Gas Rates

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

# DRILL STEM TEST REPORT

Meridian Energy Inc

1475 Ward Dr
Franktow n CO 80116+9405

ATTN: Maxw ell LaFon

**2-14s-19w Ellis KS**

**Stadelman #1**

Job Ticket: 67445 **DST#: 3**

Test Start: 2020.11.15 @ 22:29:00

## GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:17:37
Time Test Ended: 08:01:17

Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84

**Interval: 3853.00 ft (KB) To 3867.00 ft (KB) (TVD)**
Total Depth: 3867.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

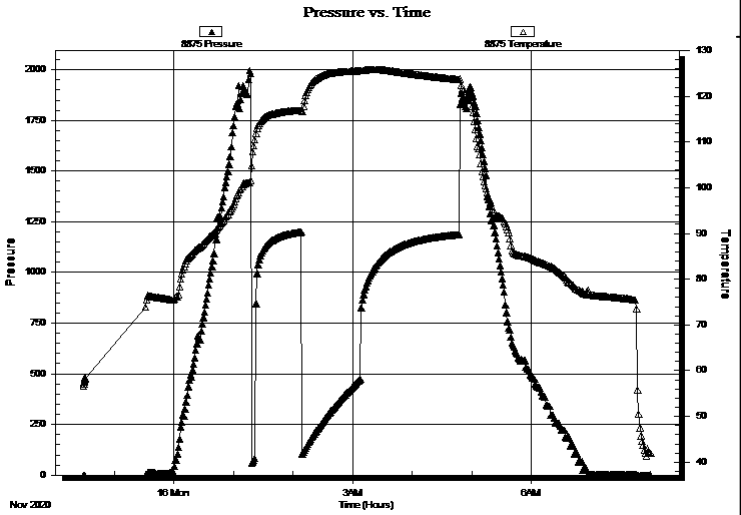
Reference Elevations: 2220.00 ft (KB)
2212.00 ft (CF)
KB to GR/CF: 8.00 ft

**Serial #: 8875** **Outside**

Press@RunDepth: psig @ 3854.00 ft (KB)
Start Date: 2020.11.15 End Date: 2020.11.16
Start Time: 22:29:01 End Time: 08:01:17

Capacity: psig
Last Calib.: 2020.11.16
Time On Btm:
Time Off Btm:

TEST COMMENT: 5-IF-BOB 3 min Built to 16 1/4"
45-ISI-Surface to 1 1/4"
60-FF-BOB 3 1/2 mins Built to 77"
90-FSI-Surface to 1 1/4"




## PRESSURE SUMMARY

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

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 15.00 | MO 70%O 30%M | 0.07 |
| 1185.00 | GO 15%G 85%O | 16.66 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

## Gas Rates

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

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Meridian Energy Inc

1475 Ward Dr
Franktown CO 80116+9405

ATTN: Maxwell LaFon

**2-14s-19w Ellis KS**

**Stadelman #1**

Job Ticket: 67445 **DST#: 3**

Test Start: 2020.11.15 @ 22:29:00

## Mud and Cushion Information

| | | | | | |
|---|---|---|---|---|---|
| Mud Type: | Gel Chem | Cushion Type: | | Oil API: | 26 deg API |
| Mud Weight: | 9.00 lb/gal | Cushion Length: | ft | Water Salinity: | ppm |
| Viscosity: | 57.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 7.60 in³ | Gas Cushion Type: | | | |
| Resistivity: | ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 9800.00 ppm | | | | |
| Filter Cake: | inches | | | | |

## Recovery Information

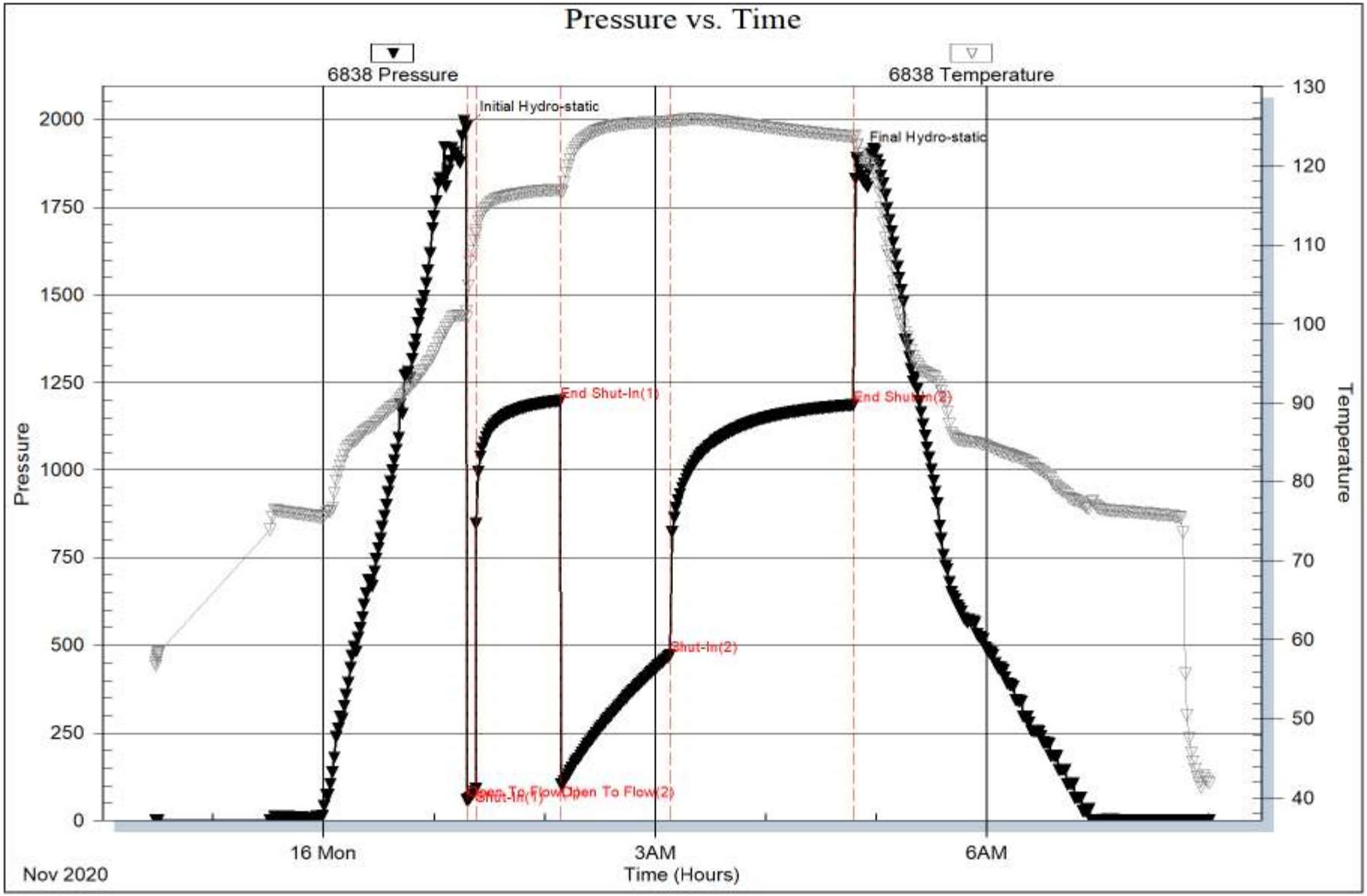
Recovery Table

| Length ft | Description | Volume bbl |
|---|---|---|
| 15.00 | MO 70%O 30%M | 0.074 |
| 1185.00 | GO 15%G 85%O | 16.659 |

Total Length: 1200.00 ft Total Volume: 16.733 bbl

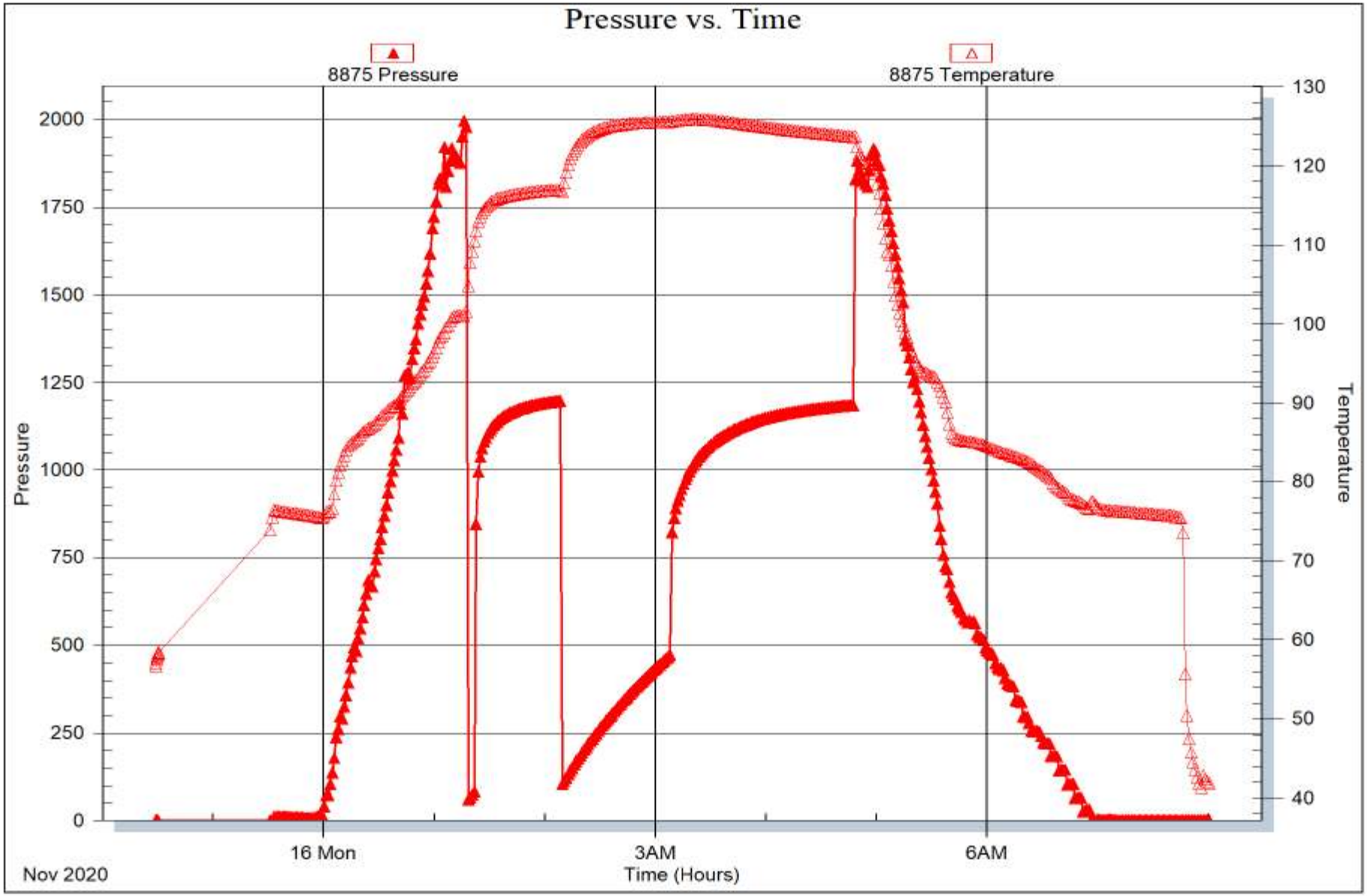
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 2#LCM

Serial #: 6838 **Inside** Meridian Energy Inc Stadelman #1 DST Test Number: 3




Trilobite Testing, Inc Ref. No: 67445 Printed: 2020.11.16 @ 08:30:11

Serial #: 8875 **Outside** Meridian Energy Inc Stadelman #1 DST Test Number: 3




Trilobite Testing, Inc Ref. No: 67445 Printed: 2020.11.16 @ 08:30:11

# MAXWELL LAFON WELLSITE GEOLOGY

## WELL INFO

| | | | |
|---|---|---|---|
| Well Name: | Stadelman #1 | | |
| Location: | NW SE SW sec. 2, T. 14S, R. 19W | | |
| Footage: | 1730' FWL, 845' FSL | | |
| County/State: | Ellis Co., Kansas | | |
| Field: | Wildcat | | |
| Coordinates: | N 38.858578 , W 99.404408 | | |
| API #: | 15-051-26994 | | |
| Ground Elev: | 2212' | KB Elev: | 2220' |
| Logged Interval: | 3100' - TD | Total Depth: | 3883' |

## OPERATOR INFO

| | |
|---|---|
| Company: | Meridian Energy Inc. |
| Address: | 1475 Ward Cir.<br>Franktown, CO 80116 |

## CONTRACTOR

| | | | |
|---|---|---|---|
| Contractor: | Discovery Drilling | | |
| Rig #: | 4 | | |
| Rig Type: | Rotary Double | | |
| Spud Date: | 11/9/2020 | Time: | 8:30 AM |
| TD Date: | 11/17/2020 | Time: | 1:40 AM |
| Rig Release: | 11/17/2020 | Time: | 10:30 PM |

## WELLSITE GEOLOGIST



| | |
|---|---|
| Geologist: | Maxwell LaFon |
| Address: | PO Box 9867<br>Denver, CO 80209 |
| Phone: | 303-594-0515 |
| Email: | mjlafon@gmail.com |



## DRILL STEM TESTS

| No. | Interval | Formation | Recovery |
|---|---|---|---|
| 1 | 3543-93' | Lansing C, D, E | 1' Mud |
| 2 | 3817-53' | Arbuckle | 115' CO, 60' MCO, 30' OCM, 95' GIP |
| 3 | 3853-67' | Arbuckle | 1185' GO, 15' MO |
| 4 | 3869-80' | Arbuckle | 2130' GO, 30' GWCMO, 90' GIP |

## FORMATIONS

| ***Formation*** | ***Depth - Samples*** | ***Depth - Logs*** | ***Subsea*** |
|---|---|---|---|
| *Stone Corral* | *1500' (+720)* | *1499'* | *+721* |
| *Elmont* | *3099' (-879)* | *3097'* | *-877* |
| *Howard* | *3171' (-951)* | *3168'* | *-948* |
| *Topeka* | *3237' (-1017)* | *3234'* | *-1014* |
| *Heebner* | *3480' (-1260)* | *3478'* | *-1258* |
| *Toronto* | *3504' (-1284)* | *3498'* | *-1278* |
| *Lansing A* | *3530' (-1310)* | *3527'* | *-1307* |
| *Lansing B* | *3536' (-1316)* | *3534'* | *-1314* |
| *Lansing C* | *3555' (-1335)* | *3550'* | *-1330* |

| | | | |
|---|---|---|---|
| *Lansing D* | *3576' (-1356)* | *3570'* | *-1350* |
| *Lansing E* | *3585' (-1365)* | *3585'* | *-1365* |
| *Lansing G* | *3601' (-1381)* | *3600'* | *-1380* |
| *Lansing H* | *3655' (-1435)* | *3652'* | *-1432* |
| *Lansing I* | *3677' (-1457)* | *3673'* | *-1453* |
| *Lansing J* | *3697' (-1477)* | *3690'* | *-1470* |
| *Lansing K* | *3719' (-1499)* | *3718'* | *-1498* |
| *Lansing L* | *3742' (-1522)* | *3740'* | *-1519* |
| *Lansing M* | *3767' (-1547)* | *3765'* | *-1545* |
| *Base Lansing/KC* | *3776' (-1556)* | *3774'* | *-1554* |
| *Conglomerate* | *3821' (-1601)* | *3818'* | *-1598* |
| *Arbuckle* | *3833' (-1613)* | *3833'* | *-1613* |
| *TD* | *3883'* | *3881'* | |

## ROCK TYPES

Congl
Dolprim
Dolsec
Lmst fw<7
Lmst fw7>
Shgy
Shblck
Shcol
Sltst
No Samples
Anhy vert

## OTHER SYMBOLS

### OIL SHOWS

- Even Stn
- Spotted Stn 50 - 75 %
- Spotted Stn 25 - 50 %
- Spotted Stn 1 - 25 %
- Questionable Stn
- Dead Oil Stn
- Fluorescence

### MISC

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

### DST

- DST Interval
- DST Interval

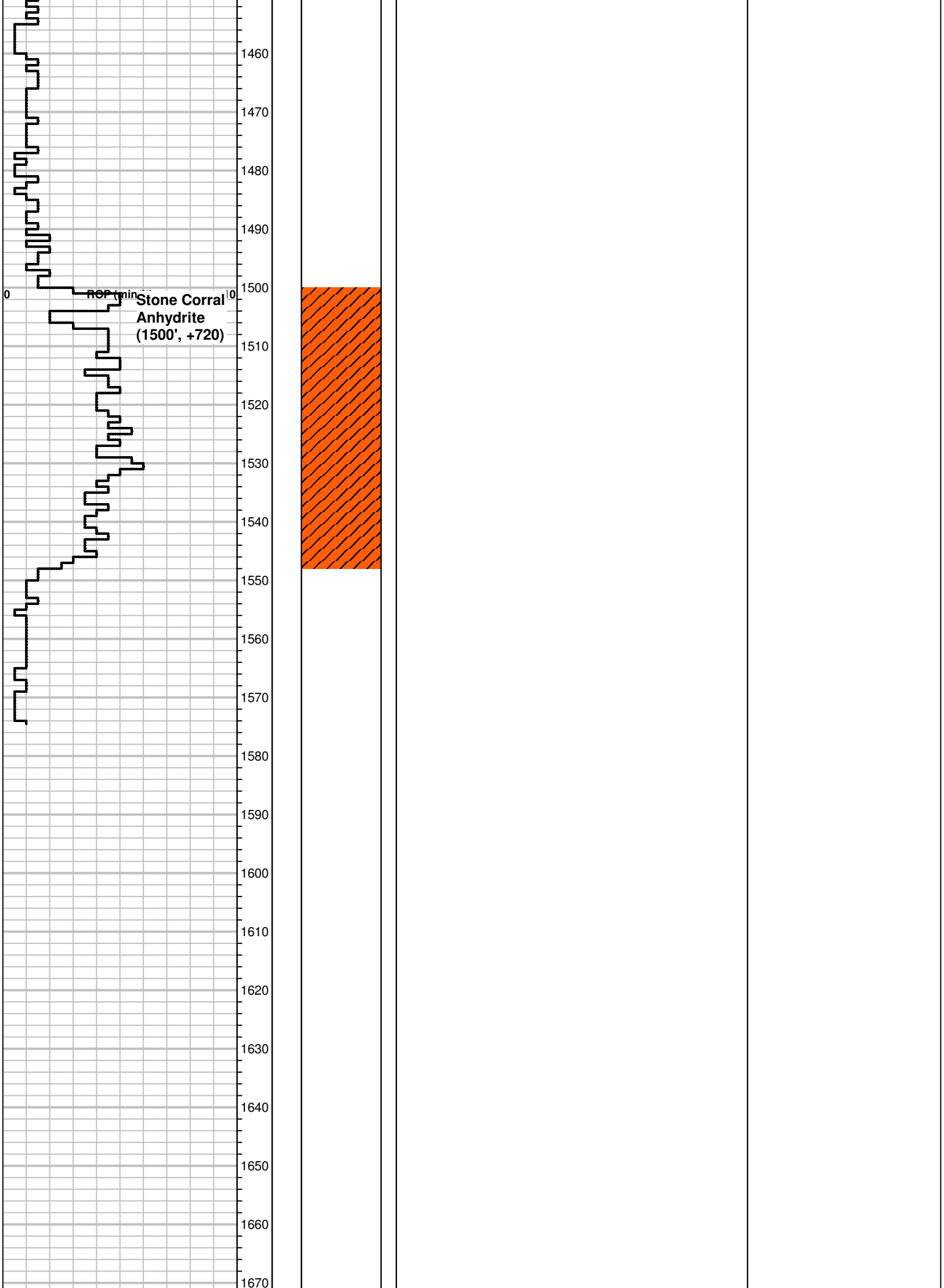
**Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)**

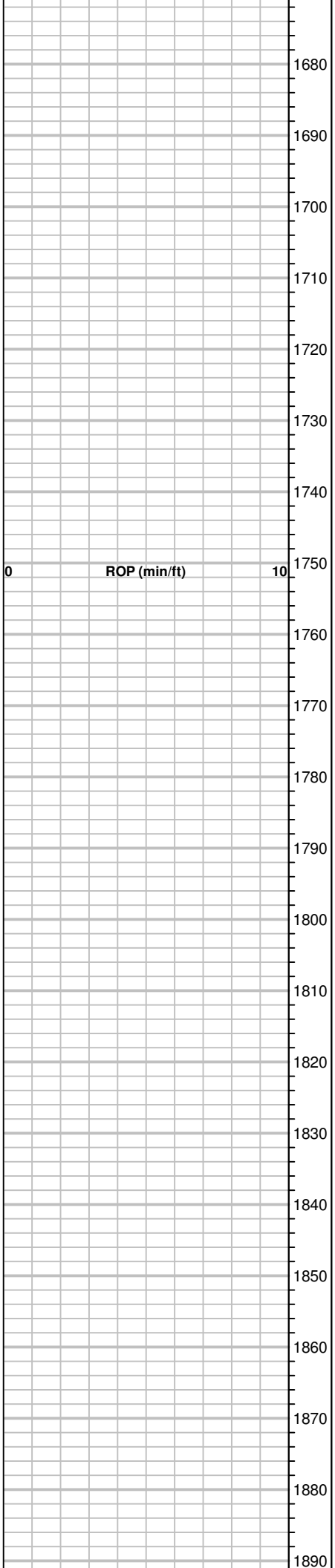
ROP
ROP (min/ft)
1:240 Imperial
0 ROP (min/ft) 10

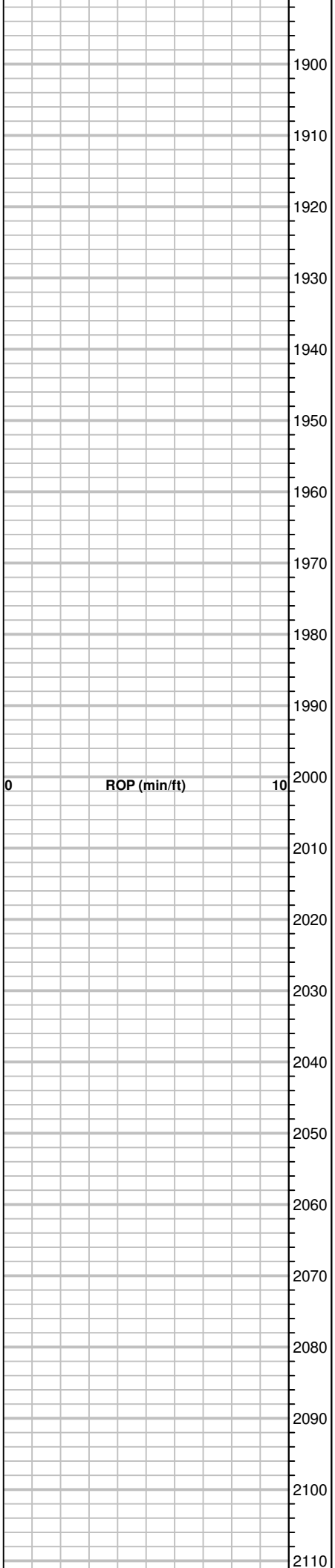
Depth | Intervals
Cored Interval
DST Interval
DST
DST Interval
DST Interval
Interpreted Lithology
Oil Shows
Geological Descriptions
Comment

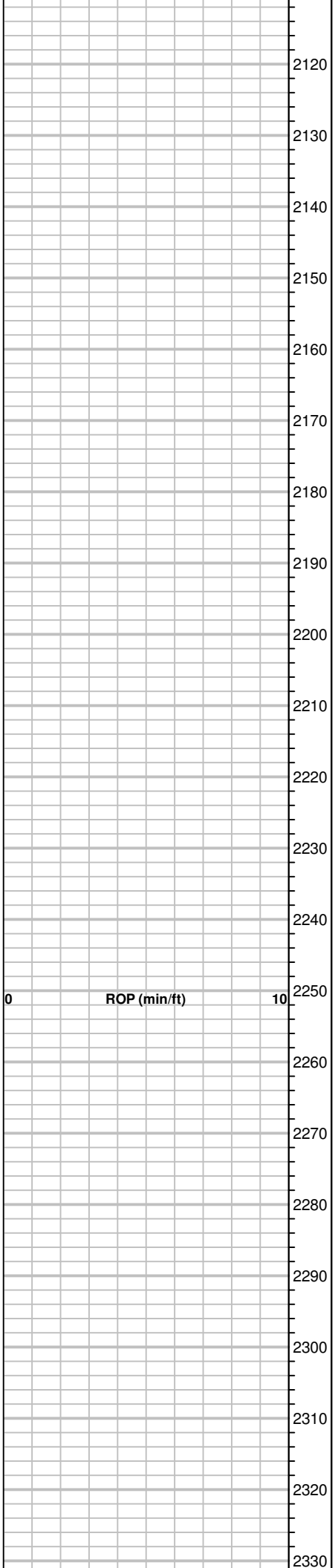
1410
1420
1430
1440
1450

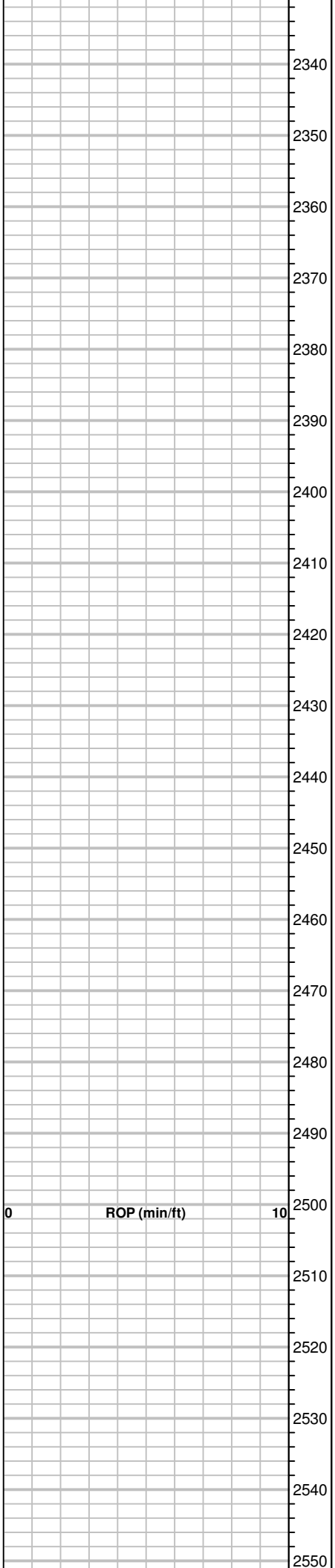
***11/9/20 @ 216'***
***Survey 0.75 deg***

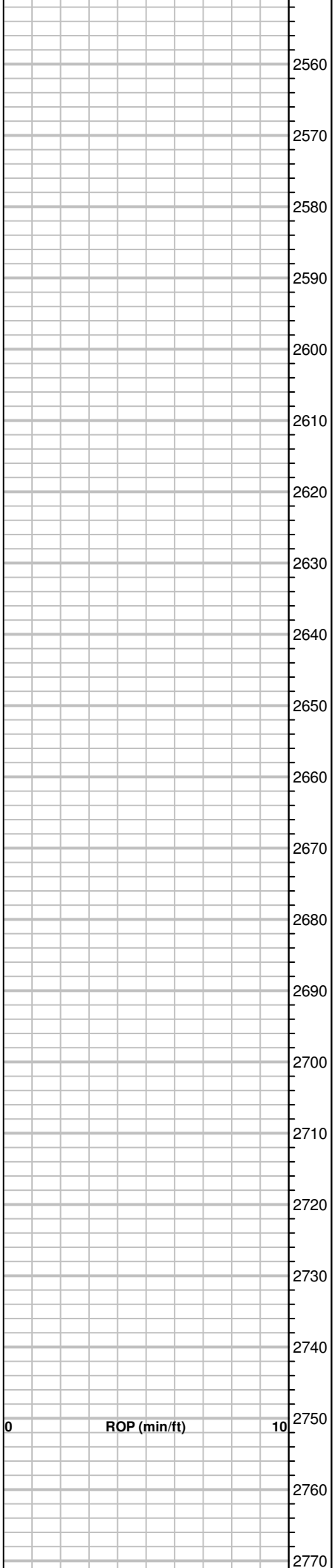

1460
1470
1480
1490
1500
1510
1520
1530
1540
1550
1560
1570
1580
1590
1600
1610
1620
1630
1640
1650
1660
1670
0
ROP (min
10
Stone Corral
Anhydrite
(1500', +720)

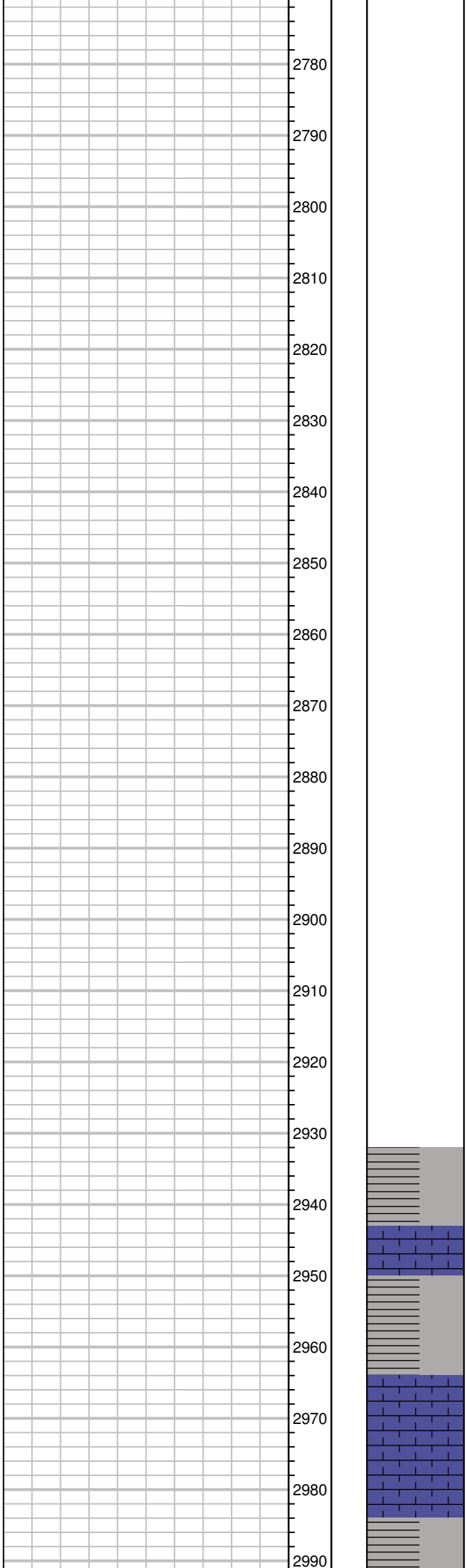

1680
1690
1700
1710
1720
1730
1740
0
ROP (min/ft)
10
1750
1760
1770
1780
1790
1800
1810
1820
1830
1840
1850
1860
1870
1880
1890


1900
1910
1920
1930
1940
1950
1960
1970
1980
1990
0
ROP (min/ft)
10
2000
2010
2020
2030
2040
2050
2060
2070
2080
2090
2100
2110


2120
2130
2140
2150
2160
2170
2180
2190
2200
2210
2220
2230
2240
0
ROP (min/ft)
10
2250
2260
2270
2280
2290
2300
2310
2320
2330


2340
2350
2360
2370
2380
2390
2400
2410
2420
2430
2440
2450
2460
2470
2480
2490
0
ROP (min/ft)
10
2500
2510
2520
2530
2540
2550

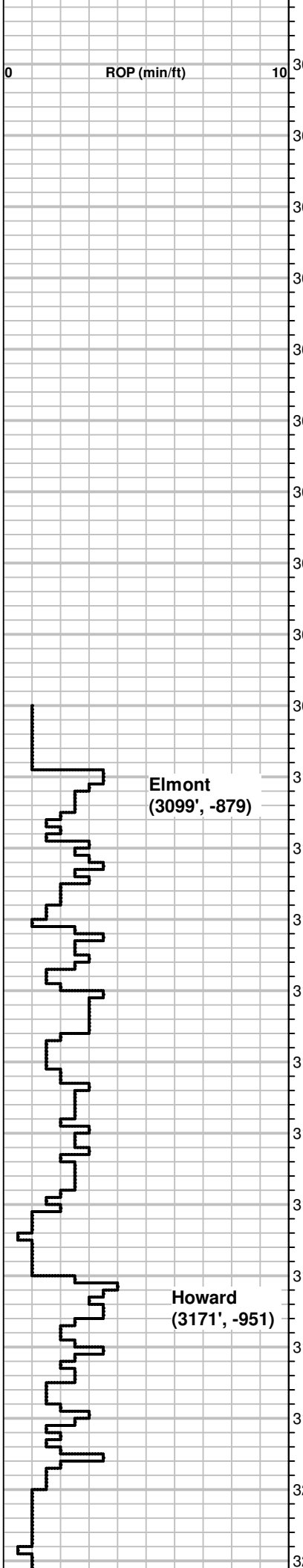

2560
2570
2580
2590
2600
2610
2620
2630
2640
2650
2660
2670
2680
2690
2700
2710
2720
2730
2740
0
ROP (min/ft)
10
2750
2760
2770

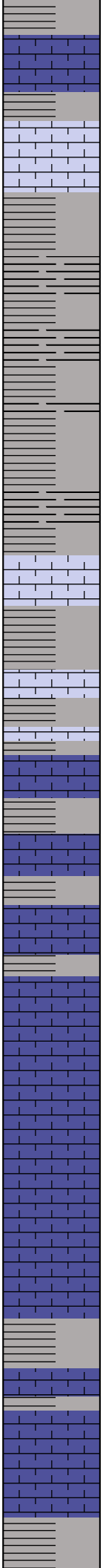



2932-65 Sh dk gry, tr gry, LS dk gry very fine xtln, hard, no por, NS

2965-93 As above, More LS

***Mud-Co check 11/12/20***
Depth: 2960' Btms Up: 30 min
Wt: 8.7 Vis: 46 Filt: 6.4
Cake: 1/32" LCM: 2# YP: 24
Chlor: 5,100 ppm Grad:0.452 psi/ft



2993-3025 Sh gry, LS gry fine xtln, hard, no por, NS. Tr LS gry fossiliferous grnstn, hard, no por, NS

3025-54 Mostly Sh dk gry, Tr Sh gry

Wt. 8.7
Vis 46
LCM 2 #

3054-86 Sh dk gry, LS gry and lt. gry grnstn, hard, no por, NS

3086-95 As above

3095-3107 Sh dk gry, Tr Sh grn, LS tan/gry fine xtln, hard, no por, NS

3107-16 Sh gry, LS gry - lt. gry xtln, very hard, no por, NS

Wt. 8.7
Vis 53
LCM 2 #

3116-27 Tr Sh dk gry, LS as above

3127-36 LS gry/brwn fine xtln, very hard, no por, NS. Tr LS cream microxtln, some w/ small fossils, hard, no por, NS

3136-47 LS brwn xtln, very hard, no por, NS. Tr LS cream as above

3147-51 LS gry and lt. gry xtln, hard, no por, NS

3151-68 LS as above, LS gry med xtln, hard, no por, NS

3168-76 As above

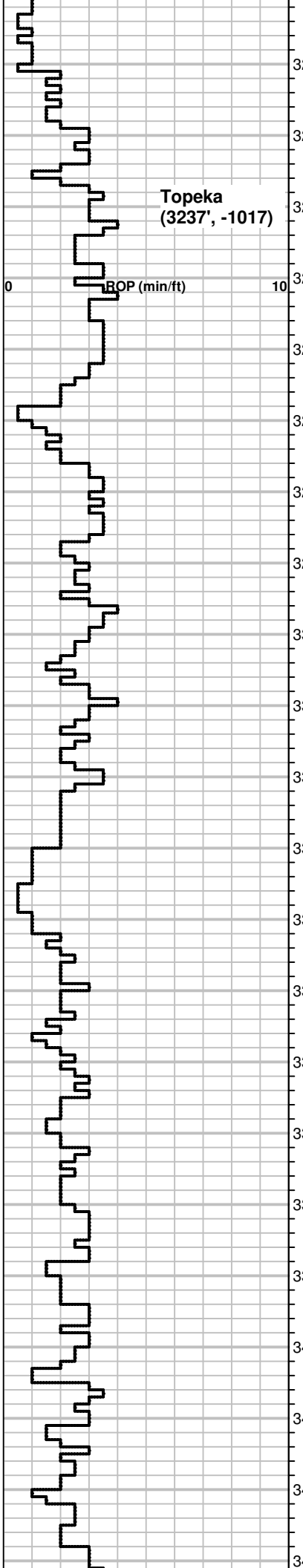
3176-84 Sh gry. LS gry xtln, hard, no por, NS

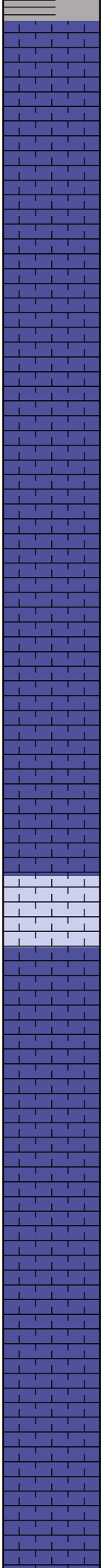
Wt. 8.8
Vis 52
LCM 2 #

3184-89 Sh gry, Sh brwn/gry xtln, hard, no por, NS

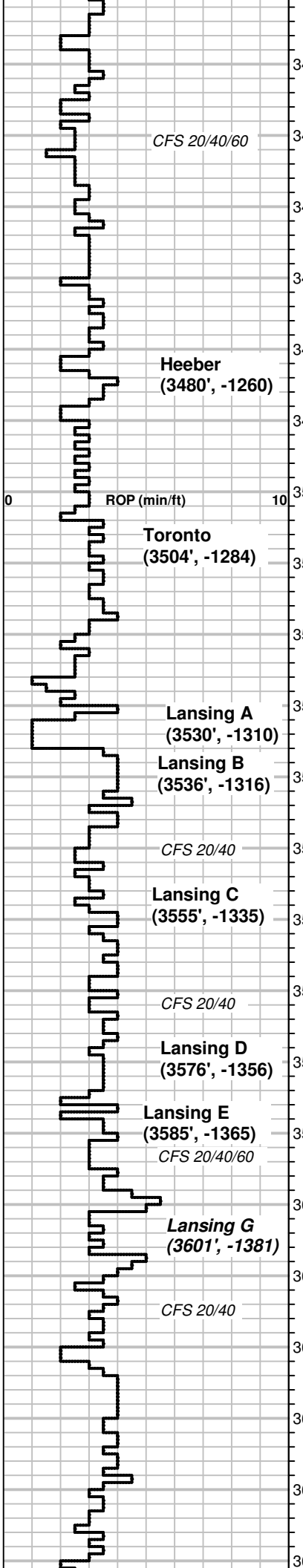
3189-93 LS brwn/gry coarse xtln, very hard, no por, NS

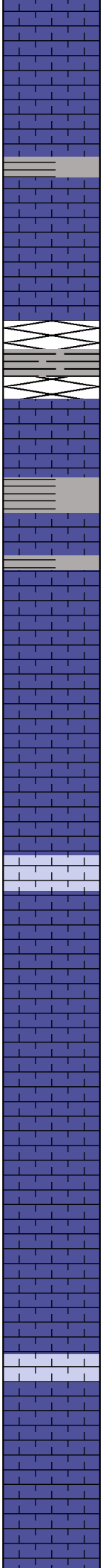
3193-3204 LS brwn/gry coarse xtln, very hard, no por, NS



| | | |
|---|---|---|
| | 3204-27 Sh dk gry, Tr LS lt. gry xtln, hard, no por, NS | |
| | 3227-39 Tr LS cream sucrosic xtln, friable, no por, NS. LS gry/brwn fine xtln, hard, no por, NS | |
| | 3239-50 LS cream xtln - med xtln, slightly friable, no por, NS. LS dk gry coarse xtln, very hard, no por, NS | |
| | 3250-57 LS gry xtln, very hard, no por, NS. LS cream xtln, hard, no por, NS | |
| D | 3257-64 LS gry as above, LS dk gry xtln, slightly friable, no por, NS<br>Tr gry very fine sucrosic xtln, very friable, fair por, thin laminations of dead bitumen, NSFO | Topeka - 3264.JPG |
| | 3264-79 LS lt. gry xtln, hard, no por, NS | |
| | 3279-89 LS cream fine xtln, slightly friable, no por, NS | Wt. 8.8<br>Vis 53<br>LCM 2 # |
| | 3289-98 LS lt. gry and med xtln, hard, no por, NS. LS gry xtln, very hard, no por, NS | |
| | 3298-3308 LS gry xtln, very hard, no por, NS. Some LS gry med xtln, very hard, no por, NS | |
| | 3308-16 LS gry/brwn med xtln, very hard, no por, NS | |
| | 3316-19 LS lt. gry/tan xtln, very hard, no por, NS | |
| | 3319-27 LS lt. gry/tan as above. LS brwn microxtln, very hard, no por, NS | |
| | 3327-44 LS tan fossiliferous grnstn, very hard, no por, NS | |
| | 3344-54 LS lt. gry xtln, very hard, no por, NS. LS dk gry xtln, very hard, no por, NS | |
| | 3354-64 LS lt. tan sucrosic xtln, very hard, no por, NS. LS lt. gry xtln as above | |
| | 3364-76 LS lt. tan microxtln, very hard, no por, NS | Wt. 8.9<br>Vis 60<br>LCM 2 # |
| | 3376-86 As above, LS gry xtln, very hard, no por, NS | |
| | 3386-96 LS cream microxtln, very hard, no por, NS | |
| | 3396-3406 LS lt. gry fine xtln, very hard, no por, NS. LS gry microxtln, very hard, no por, NS | |
| | 3406-15 LS lt. gry fine xtln, very hard, no por, NS. LS gry xtln, very hard, no por, NS | |
| | 3415-29 LS gry xtln, very hard, no por, NS. LS lt. gry fine xtln, very hard, no por, NS | |



3429-37 LS gry xtln, very hard, no por, NS

3437-51 As above

3451-57 As above, Tr Sh dk gry

3457-67 LS lt. gry microxtln, LS tan xtln, very hard, no por, NS

3467-76 LS gry xtln, very hard, no por, NS

3476-87 No Samples, mud pump broke. Did circulate up bottoms for 1 hr after mud pump was fixed. Tr Sh blk blocky, Heebner

3487-99 LS gry xtln, very hard, no por, NS

3499-3507 Sh gry cly, Sh dk gry, LS gry xtln, very hard, no por, NS

3507-14 LS white xtln and microxtln, mostly hard, some chlky, no por, NS. Tr Sh as above

3514-25 LS as above

3525-38 As above, Also LS gry xtln, very hard, no por, NS

3538-46 LS tan xtln, very hard, no por, NS

3546-50 Tr LS as above, Mostly Sh dk gry and gry cly

O 3550-60 LS cream grnstn, hard, fair por, ***very poor shw,*** not moveable, mostly stain, no odor, sparse shw. LS gry/brwn microxtln, very hard, no por, NS

3560-67 As above, Tr LS white xtln, very friable, no por, NS

3567-72 LS cream xtln, hard, no por, NS. LS gry microxtln, very hard, no por, NS

O 3572-79 LS lt. gry/cream xtln, hard, poor por, ***poor shw oil, no staining, few scattered drops, slight odor***

3579-88 LS tan and cream microxtln, very hard, no por, NS

◐ 3588-93 LS gry microxtln, very hard, no por, NS. Tr LS white med fine xtln, slightly hard, fair por, ***good shw free oil when crushed***, rock seems tight and had minimal pore sat., ***fair odor***

3593-3600 Tr LS white med-fine xtln, fair intrxtln por, ***some stain***, NSFO. Mostly LS white and lt. gry xtln, hard, no por, NS

D 3600-05 LS cream - tan xtln and microxtln, very hard, no por, slight odor, NSFO. Tr LS tan xtln, hard, poor intrxtln por, some pinpt - small vugs w/ ***oil stain/bitumen***, NSFO

D 3605-10 LS lt. gry microxtln, very hard, no por, NS. Some w/ vugs and ***oil stain***, NSFO LS cream xtln, very hard, no por, NS

3610-15 As above

3615-19 LS lt. gry xtln and microxtln, very hard, no por, NS. Tr LS white grnstn, very hard, no por, NS

3619-31 LS lt. gry/tan microxtln, very hard, no por, NS

3631-39 As above

3639-48 Some as above. LS white xtln, very friable, fair por, NS

***11/13/20 Wiper Trip to collars @ 3451'***

***Mud-Co check 11/13/20***
Depth: 3451' Btms Up: 35 min
Wt: 8.9 Vis: 60 Filt: 6.0
Cake: 1/32" LCM: 2# YP: 26
Chlor: 6,500 ppm Grad:0.463 psi/ft

***DST #1 (3543-3593)***
***Lansing C, D, E***
***5-45-45-Pulled Tool***
***Recovery: 1' M***
***IF: 32-27 SF: 30-28***
***Shut Ins: 622/ n/a***

***5" IF - Weak surface blow***
***45" ISI - No blow back***
***45" FF - Very weak surface blow***
***FSI - Pulled tool***

DST #1 Stadelman 1.pdf

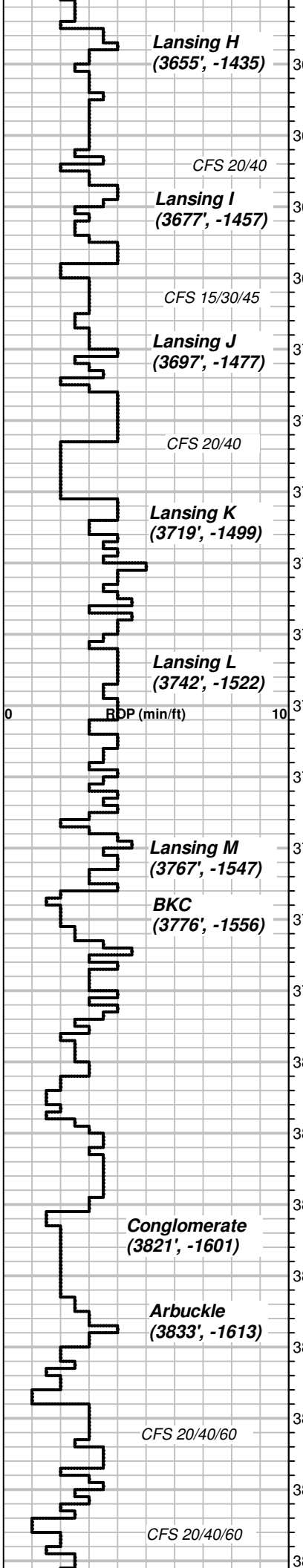
Lansing C - 3560.JPG

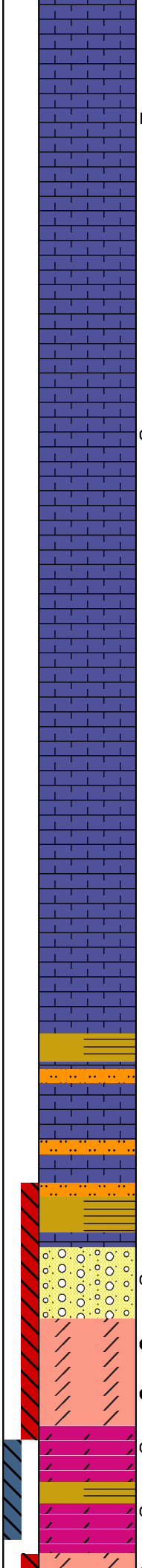
Lansing D - 3579.JPG

Lansing E - 3593.JPG

Lansing E - 3593 - 2.JPG

***11/14/20 @ 3593'***
***Survey 1.25 deg***
***Mud-Co check 11/14/20***
Depth: 3593' Btms Up: 36 min
Wt: 9.2 Vis: 60+ Filt: 6.4
Cake: 1/32" LCM: 2# YP: 38
Chlor: 9,700 ppm Grad:0.478 psi/ft



3648-58 LS lt. gry microxtln and xtln, very hard, no por, NS

3658-64 LS white very fine xtln, chlky, friable, no por, NS. LS lt. gry - white xtln, very hard, no por, NS

D 3664-70 As above, Tr LS white xtln, hard w/ poor intrxtln por, ***slightly oil stained***, NSFO

3670-76 LS white as above, some LS tan microxtln, very hard, no por, NS

3676-78 LS lt. tan microxtln, very hard, no por, NS. LS lt. tan/white xtln, slightly friable, no por, NS

3678-86 As above, More LS microxtln than above

3686-93 As above

3693-99 LS lt. tan microxtln, very hard, no por, NS. Tr LS white xtln, hard, no por, NS

3699-3709 As above

O 3709-13 As above, one cutting in whole cup w/ ***pinpoint vugs w/ fair oil shw when crushed, faint odor***

Lansing J - 3713.JPG

3713-20 LS lt. tan microxtln, very hard, no por, NS. Tr Sh red

3720-31 LS lt. gry xtln, very hard, no por, NS, Increasing Sh red cly

3731-40 LS white xtln, hard, no por, NS. Tr Sh red

3740-50 As above, Some LS lt. gry microxtln, very hard, no por, NS

3750-59 All LS white xtln, very hard, no por, NS. Tr Sh red and dk gry

3759-68 LS white/cream xtln, very hard, no por, NS

***Mud-Co check 11/14/20***
Depth: 3853' Btms Up: 39 min
Wt: 9.3 Vis: 57 Filt: 7.6
Cake: 1/32" LCM: 2# YP: 33
Chlor: 9,800 ppm Grad:0.484 psi/ft

3768-77 LS lt. gry microxtln, very hard, no por, NS. Tr Sh red

***DST #2 (3817-3853)***
***Arbuckle***
***5-45-60-60***
***Recovery: 115' CO, 30' OCM, 60' MCO, 95' GIP***
***IF: 39-53 SF: 61-98***
***Shut Ins: 1093/656***

***5" IF - Built to 4.5"***
***45" ISI - Built to 0.75"***
***60" FF - Built to 7.25", end at 6"***
***60" FSI - Weak surface blow***
***Gravity: 27****

3777-88 LS white very fine xtln, friable, no por, NS. LS white xtln, very hard, no por, NS

3788-94 LS lt. tan microxtln, very hard, no por, NS. LS white xtln, slightly friable, no por, NS

3794-3809 Sh red. LS white and red arg, very hard, no por, NS. LS lt. gry xtln, very hard, no por, NS

3809-15 As above

DST #2 Stadelman 1.pdf
***11/14/20 @ 3853'***
***Pipe Strap - 1.37' short***

3815-25 Half Sh red cly, Sh grn, LS white arg xtln, hard, no por, NS

Arbuckle - 3841.JPG
Arbuckle - 3841 - 2.JPG

O 3825-35 As above Congl. facies, LS gry/brwn coarse xtln, very hard, no por, NS. Tr Dolo tan, med rhombs, very hard, poor por, ***poor shw free oil, almost bitumen***, Lots LS cream xtln, very hard, no por, NS

***DST #3 (3853-3867)***
***Arbuckle***
***5-45-60-90***
***Recovery: 1185' CO, 15' MO***
***IF: 58-90 SF: 104-473***
***Shut Ins: 1198/1187***

***5" IF - BOB 3 min, Built to 16.25"***
***45" ISI - Surface to 1.25"***
***60" FF - BOB 3.5", Built to 77"***
***90" FSI - Surface to 1.25"***
***Gravity: 26****

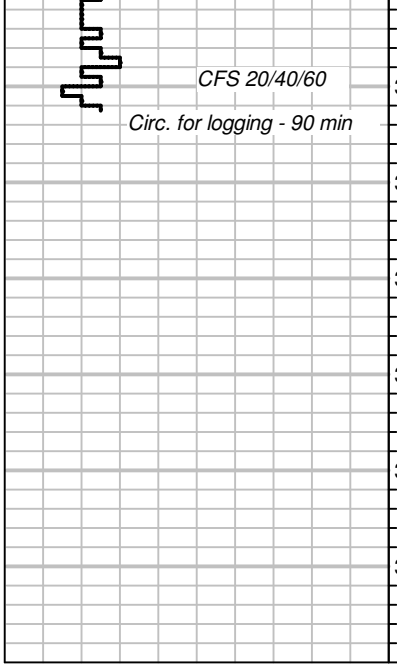
● 3835-41 Mostly Dolo. tan small - med rhombs, slightly friable, ***great shw free oil when crushed some bleeding free oil, oil in cup, good odor, good sat, strong cut***. Tr LS lt. tan/white xtln, some LS, some prtly dolomitized, very had, no por, NS

● 3841-53 As above, less dolo w/ shw, Tr LS as above

3853-58 Tr Dolo. small rhombs, hard, ***some bleeding free oil when crushed, faint odor, few oil drops in cup,*** not as much dolo w/ shw as above. Most just tight dolo w/ NSFO. Sh red, grn, gry, purple. Dolo white - lt. gry xtln, very hard, no por, NS

◑ 3858-67 Dolo lt. tan translucent, hard, poor intrxtln por, ***poor shw free oil, poor sat.*** Dolo white w/ med rhombs, very hard, poor por, some ***dead oil in pores***

O 3867-71 Dolo. white, med rhombs,very hard, good intrxtln por, ***good shw free oil, good sat. in most cuttings***, some have poor




3880
3890
3900
3910
3920
3930

sat - just seems tight, not wet, ***Good odor, oil in cup***

3871-80 Dolo. white med-large rhombs, very hard, some no por and rextlzd, some w/ fair-good intrxtln por and small and med sized vugs, ***good oil sat. when crushed, strong odor and oil in cup, strong cut***

3880-83 Mostly Sh dk gry/red.- junk sample? Tr Dolo white big rhombs, very hard, no por, Tr w/ dead stain, few w/ vugs but no stain

***Driller TD 3883'***
***Logger TD 3881'***

DST #3 Stadelman 1.pdf
Arbuckle - 3858.JPG
Arbuckle - 3880.JPG

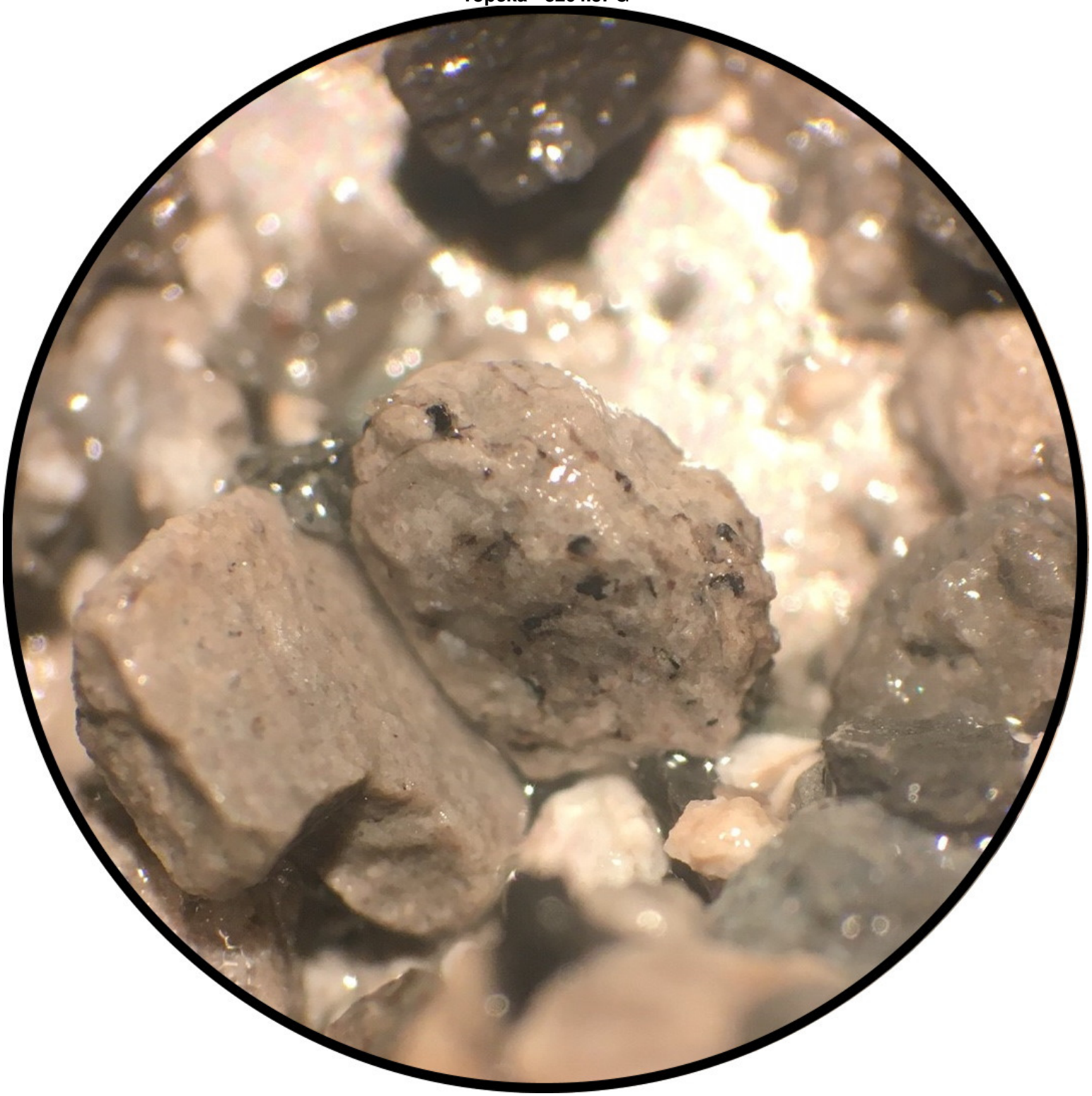
***DST #4 (3869-3880)***
***Arbuckle***
***5-45-45-90***
***Recovery: 2130' GO, 30' GWCMO, 90' GIP***
***IF: 166-223 SF: 304-846***
***Shut Ins: 1214/1215***

***5" IF - BOB 1 min, Built to 34"***
***45" ISI - Surface to 0.75"***
***45" FF -BOB 1 min, Built to 202"***
***90" FSI - Surface to 1"***
***Gravity: 27****
***Rw: 0.323 ohms @ 37 deg***
***Chlorides: 43,000 ppm***

DST #4 Stadelman 1.pdf

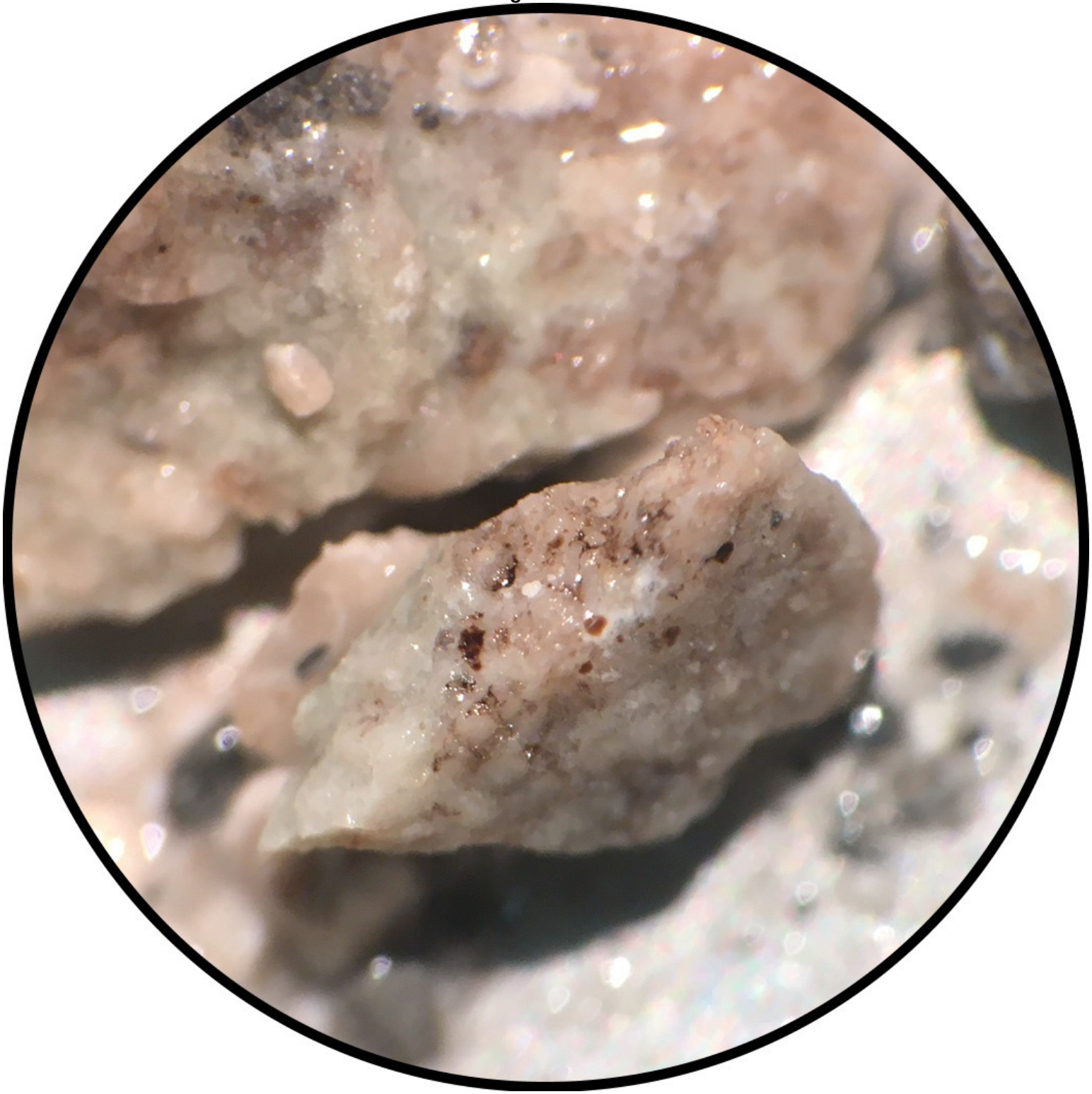
***11/17/20 @ 3883'***
***Survey - 1 deg***

Topeka - 3264.JPG



Lansing C - 3560.JPG

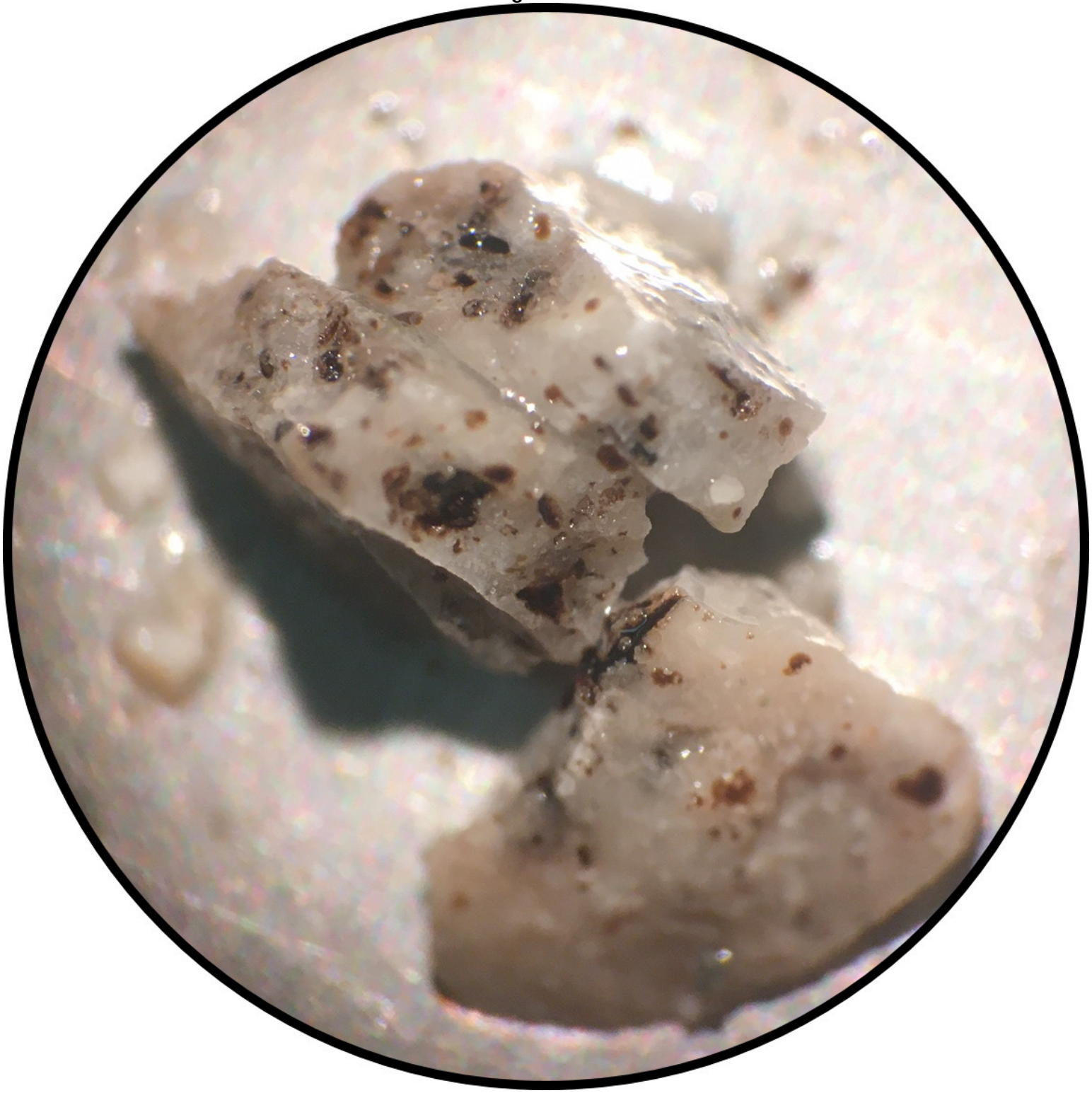
Lansing D - 3579.JPG



Lansing E - 3593.JPG

Lansing E - 3593 - 2.JPG

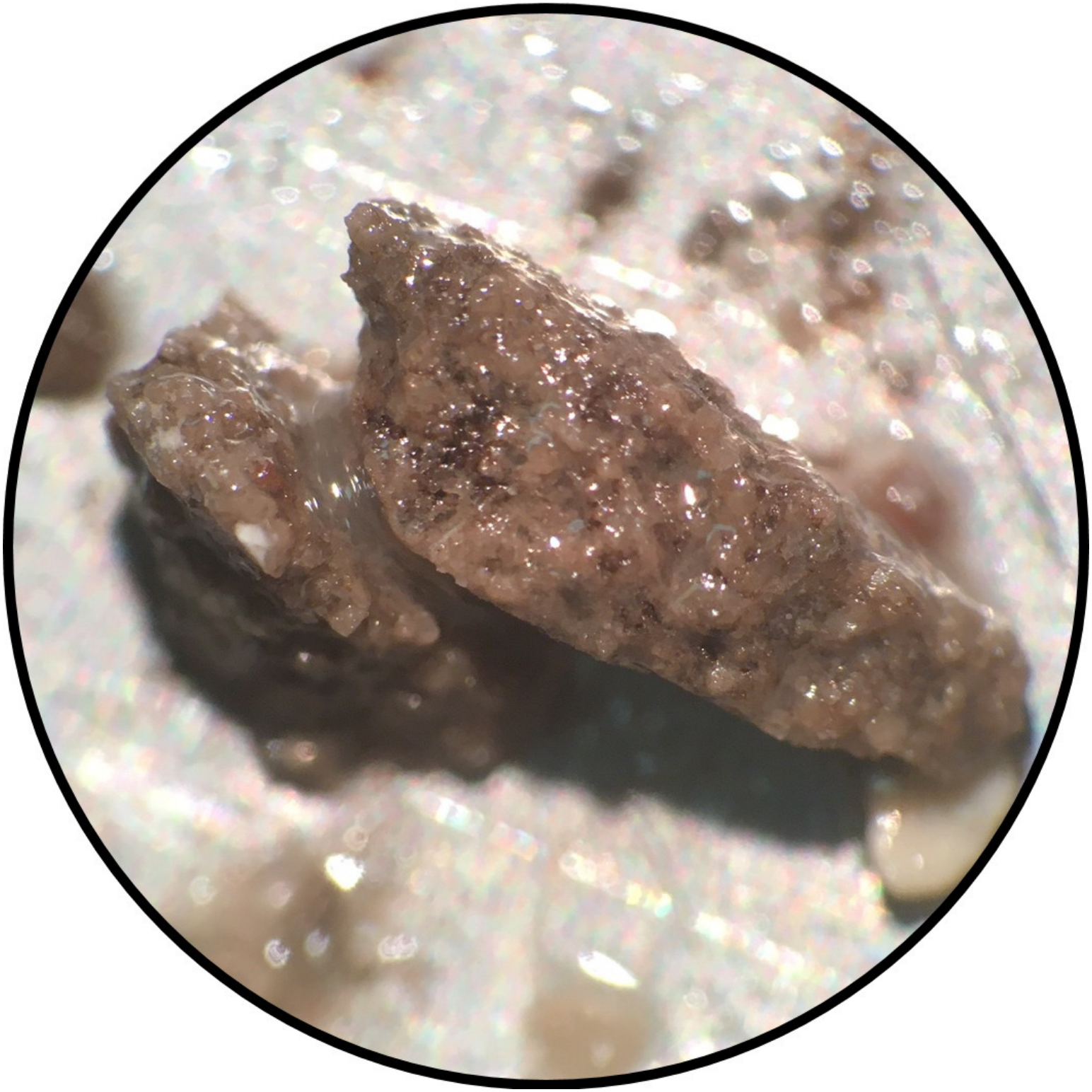
Lansing J - 3713.JPG



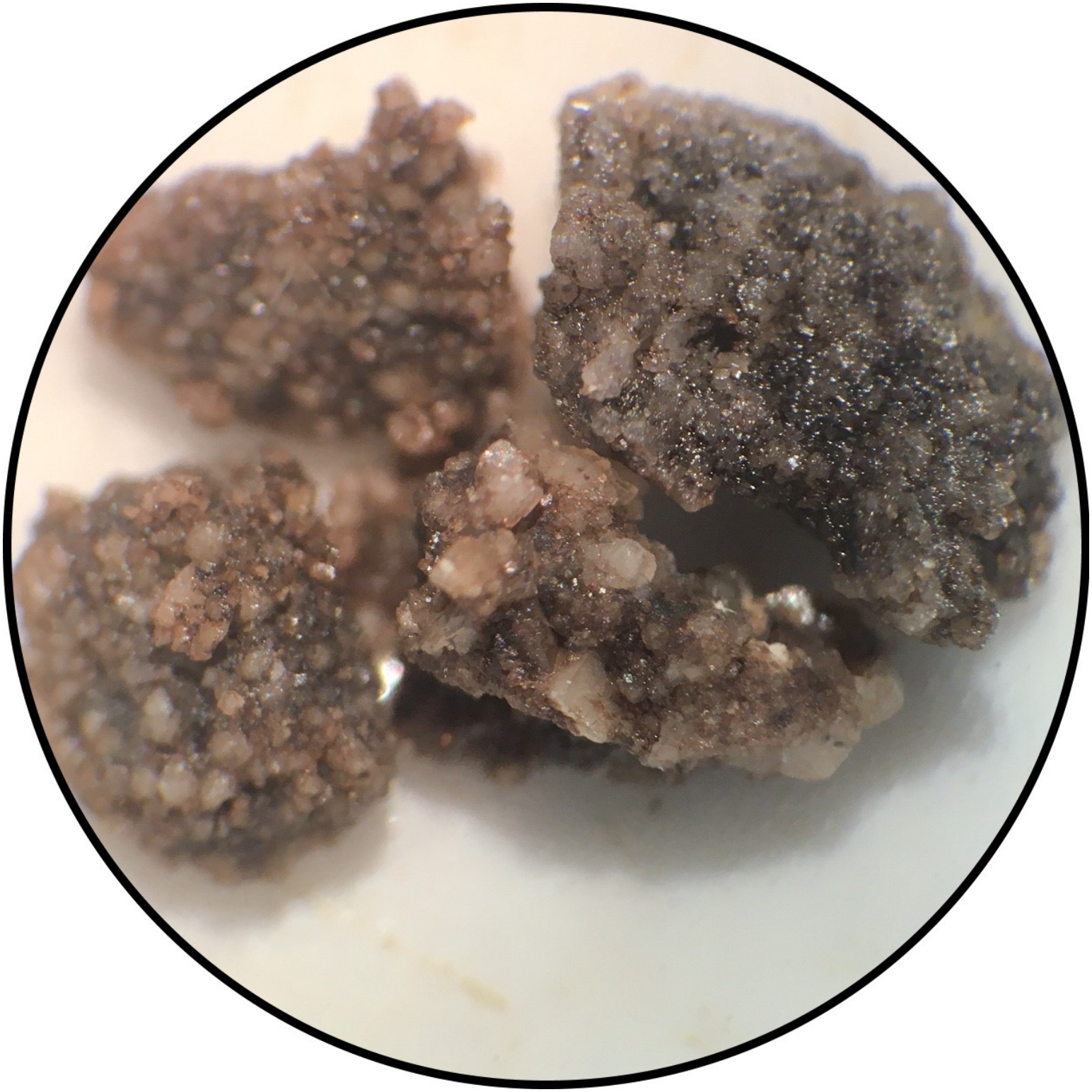
Arbuckle - 3841.JPG

Arbuckle - 3841 - 2.JPG

**Arbuckle - 3858.JPG**



Arbuckle - 3880.JPG



Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/



April 12, 2021

Maxwell LaFon
Neal LaFon Realty Inc. dba Meridian Energy Inc.
1475 WARD DR
FRANKTOWN, CO 80116-9405

Re: ACO-1
API 15-051-26994-00-00
STADELMAN 1
SW/4 Sec.02-14S-19W
Ellis County, Kansas

Dear Maxwell LaFon:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 11/9/2020 and the ACO-1 was received on April 12, 2021 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department

# FRANKS Oilfield Service


◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com


TICKET NUMBER 02
LOCATION Hays, KS
FOREMAN Mike Shaw

## FIELD TICKET & TREATMENT REPORT

## CEMENT

LS

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|---|---|---|---|---|---|---|
| 11/9/20 | | Stadelman #1 | 2 | 14 S | 19 W | Ellis |

CUSTOMER Fredon
MAILING ADDRESS
CITY | STATE | ZIP CODE

| TRUCK # | DRIVER | TRUCK # | DRIVER |
|---|---|---|---|
| 101 | Preston D | | |
| | Mike S | | |
| | | | |
| | | | |

JOB TYPE Surface HOLE SIZE 12.25 HOLE DEPTH 216 CASING SIZE & WEIGHT 8 5/8 23#
CASING DEPTH 216 DRILL PIPE TUBING OTHER
SLURRY WEIGHT 14.6 SLURRY VOL 163 WATER gal/sk CEMENT LEFT in CASING
DISPLACEMENT 12.5 DISPLACEMENT PSI MIX PSI RATE

REMARKS: Safety Meeting & Rig up on Discovery Drilling Circulate casing Mix 150 sx 60/40 3%cc 2%gel Displace 12.5 bbls Shut in Cement did Circulate

Thanks Mike and Crew

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|---|---|---|---|---|
| PC001 | 1 | PUMP CHARGE | 1150.00 | 1150.00 |
| M001 | 25 | MILEAGE | 6.50 | 162.50 |
| M003 | 6.75 Tons | Ton mileage delivery | 600.00 | 600.00 |
| CP | 150 sx | 60/40 3%cc 2%gel | 18.25 | 2737.50 |
| | | | | |
| | | | | |
| | | | | |
| | | | Subtotal | 4650.00 |
| | | less 45% disc | | 2092.50 |
| | | | Subtotal | 2557.50 |
| | | | SALES TAX | 97.87 |
| | | | ESTIMATED TOTAL | 2655.37 |

AUTHORIZATION John Faulkner TITLE DATE

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