KOLAR Document ID: 1588493

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 #:

7/13/2021	7/18/2021	7/19/2021
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-163-24430-00-00
Spot Description:
SW - SE - SE - NE Sec. 29 Twp. 9 S. R. 18 ☐ East ☑ West
2390 Feet from ☑ North / ☐ South Line of Section
450 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: Rooks
Lease Name: MARCOTTE VAN DYKE UNIT Well #: 1
Field Name:
Producing Formation: Wildcat
Elevation: Ground: 2165 Kelly Bushing: 2173
Total Vertical Depth: 3605 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 221 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 46000 ppm Fluid volume: 320 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

☐ **Confidentiality Requested**
Date: 08/27/2021
☐ **Confidential Release Date:** 08/27/2023
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** Karen Ritter **Date:** 08/29/2021

Operator Name: Neal LaFon Realty Inc. dba Meridian Energy Inc. Lease Name: MARCOTTE VAN DYKE UNIT Well #: 1

Sec. 29 Twp. 9 S. R. 18 ☐ East ☑ West County: Rooks

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
Porosity

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

Name	Top	Datum
Attached	Attached	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	23	221	80/20 Poz	150	2%gel&3%CC

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/ Injection:	Producing Method: ☐ 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:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

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)*

TUBING RECORD: Size: Set At: Packer At:

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	MARCOTTE VAN DYKE UNIT 1
Doc ID	1588493

Tops

Name	Top	Datum
Stone Corral	1502	+670
Elmont	2955	-783
Howard	3034	-862
Topeka	3100	-928
Heebner	3313	-1141
Toronto	3332	-1160
Lansing A	3354	-1182
Lansing C	3386	-1214
Lansing D	3410	-1238
Lansing F	3430	-1258
Lansing G	3440	-1268
Lansing H	3488	-1316
Lansing I	3510	-1338
Lansing J	3525	-1353
Lansing K	3549	-1377
Lansing L	3570	-1398
Arbuckle	3599	-1427

Form	ACO1 - Well Completion
Operator	Neal LaFon Realty Inc. dba Meridian Energy Inc.
Well Name	MARCOTTE VAN DYKE UNIT 1
Doc ID	1588493

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	221	80/20 Poz	150	2%gel&3 %CC

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2330

7-19-21

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-18-21	29	9	18	Rooks	Ks		1:00 AM

Location Plville 2W 1/2N

Lease Marcotte Van Dyke unit Well No. 1

Contractor Discovery #4

Type Job PTA

Hole Size 7 7/8 T.D. 3605

Csg. Depth

Tbg. Size Depth

Tool Depth

Cement Left in Csg. Shoe Joint

Meas Line Displace

EQUIPMENT

Pumptrk No. Cementer Helper T.J. H

Bulktrk 5 No. Driver Driver CRAIG

Bulktrk No. Driver Driver DOUG

JOB SERVICES & REMARKS

Remarks:

Rat Hole 30 sks

Mouse Hole 15 sks

Centralizers

Baskets

D/V or Port Collar

3500 w/ 50 sks

1525 w/ 50 sks

975 w/ 100 sks

275 w/ 50 sks

10 sks @ 40'

30 sks Mt

15 sks RH

Owner

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Meridian Energy Inc.

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 305 60/40 4% Gel + 1/4# Flo Seal

Common 183

Poz. Mix 122

Gel. 11

Calcium

Hulls

Salt

Flowseal 75#

Kol-Seal

Mud CLR 48

CFL-117 or CD110 CAF 38

Sand

Handling 316

Mileage

FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Woodplug - 1

Pumptrk Charge plug

Mileage 29

Tax

Discount

Total Charge

X Signature

Thanks

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071 **Home Office P.O. Box 32 Russell, KS 67665**
Cell 785-324-1041

No. 2324

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-13-21	29	9	18	Rooks	Ks		8:15pm

Location Plainville W to 15 Rd ½ N

Lease Marcotte Van Dyke Well No. 1

Contractor Discovery 4

Type Job SURFACE

Hole Size 12¼ T.D. 222

Csg. 8⅝ Depth 221

Tbg. Size Depth

Tool Depth

Cement Left in Csg. 15 Shoe Joint

Meas Line Displace 13

EQUIPMENT

Pumptrk 17 No. Cementer Bill
Helper

Bulktrk No. Driver Craig
Driver

Bulktrk 9 No. Driver Tony
Driver

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Ran 5 Jts of 8⅝ Set @
Cmt w/ 150sx
Pump Plug w/ 13 Bbls water
Cmt did Circ

X Signature Thomas

Owner

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Meridian Energy

Street 1475 Ward DR.

City Frank Town State Co.

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 150 80/20 4% Gel 3-2

Common	120	
Poz. Mix	30	
Gel.	3	
Calcium	6	
Hulls		
Salt		
Flowseal		
Kol-Seal		
Mud CLR 48		
CFL-117 or CD110 CAF 38		
Sand		
Handling	159	
Mileage		

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	6
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge Surface

Mileage 29

Tax

Discount

Total Charge

Thanks

DRILL STEM TEST REPORT

Meridian Energy

1475 Ward Dr
Franktow n CO
80116+9403
ATTN: Maxw ell LaFon

Marcotte Van Dyke Unit #1

29-9s-18w Rooks KS

Job Ticket: 67374 **DST#: 1**

Test Start: 2021.07.18 @ 02:50:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:11:37
Time Test Ended: 13:17:36

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

Interval: 3588.00 ft (KB) To 3605.00 ft (KB) (TVD)
Total Depth: 3605.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

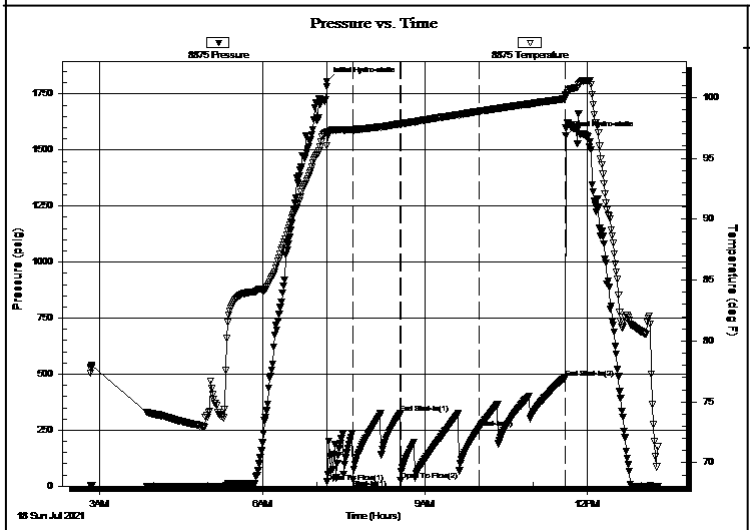
Reference Elevations: 2172.00 ft (KB)
2164.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8875 **Outside**

Press@RunDepth: 256.65 psig @ 3589.00 ft (KB)
Start Date: 2021.07.18 End Date: 2021.07.18
Start Time: 02:50:01 End Time: 13:17:36

Capacity: psig
Last Calib.: 2021.07.18
Time On Btm: 2021.07.18 @ 07:11:32
Time Off Btm: 2021.07.18 @ 11:35:47

TEST COMMENT: 30-IF-Weak Surface
45-ISI-No Return
90-FF-No Blow
90-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1807.00	97.06	Initial Hydro-static
1	18.84	96.06	Open To Flow (1)
29	28.81	97.30	Shut-In(1)
82	323.75	97.79	End Shut-In(1)
82	27.12	97.77	Open To Flow (2)
169	256.65	98.85	Shut-In(2)
264	484.41	99.89	End Shut-In(2)
265	1565.06	100.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud 100%M	0.01

Gas Rates

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

DRILL STEM TEST REPORT

Meridian Energy

1475 Ward Dr
Franktow n CO
80116+9403
ATTN: Maxw ell LaFon

Marcotte Van Dyke Unit #1

29-9s-18w Rooks KS

Job Ticket: 67374 **DST#: 1**

Test Start: 2021.07.18 @ 02:50:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:11:37
Time Test Ended: 13:17:36

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

Interval: 3588.00 ft (KB) To 3605.00 ft (KB) (TVD)
Total Depth: 3605.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

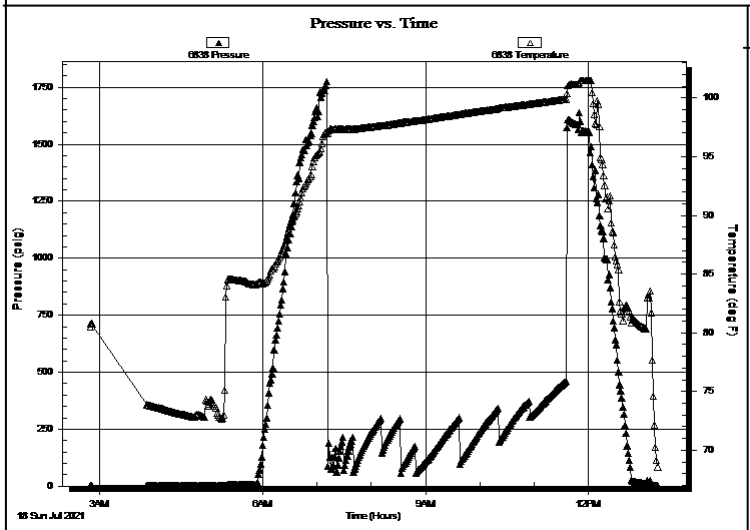
Reference Elevations: 2172.00 ft (KB)
2164.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6838 **Inside**

Press@RunDepth: psig @ 3589.00 ft (KB)
Start Date: 2021.07.18 End Date: 2021.07.18
Start Time: 02:50:01 End Time: 13:16:57

Capacity: psig
Last Calib.: 2021.07.18
Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IF-Weak Surface
45-ISI-No Return
90-FF-No Blow
90-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud 100%M	0.01

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Meridian Energy

1475 Ward Dr
Franktow n CO
80116+9403
ATTN: Maxw ell LaFon

Marcotte Van Dyke Unit #1

29-9s-18w Rooks KS

Job Ticket: 67374 **DST#: 1**

Test Start: 2021.07.18 @ 02:50:00

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:	47.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.00 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1900.00 ppm				
Filter Cake:	inches				

Recovery Information

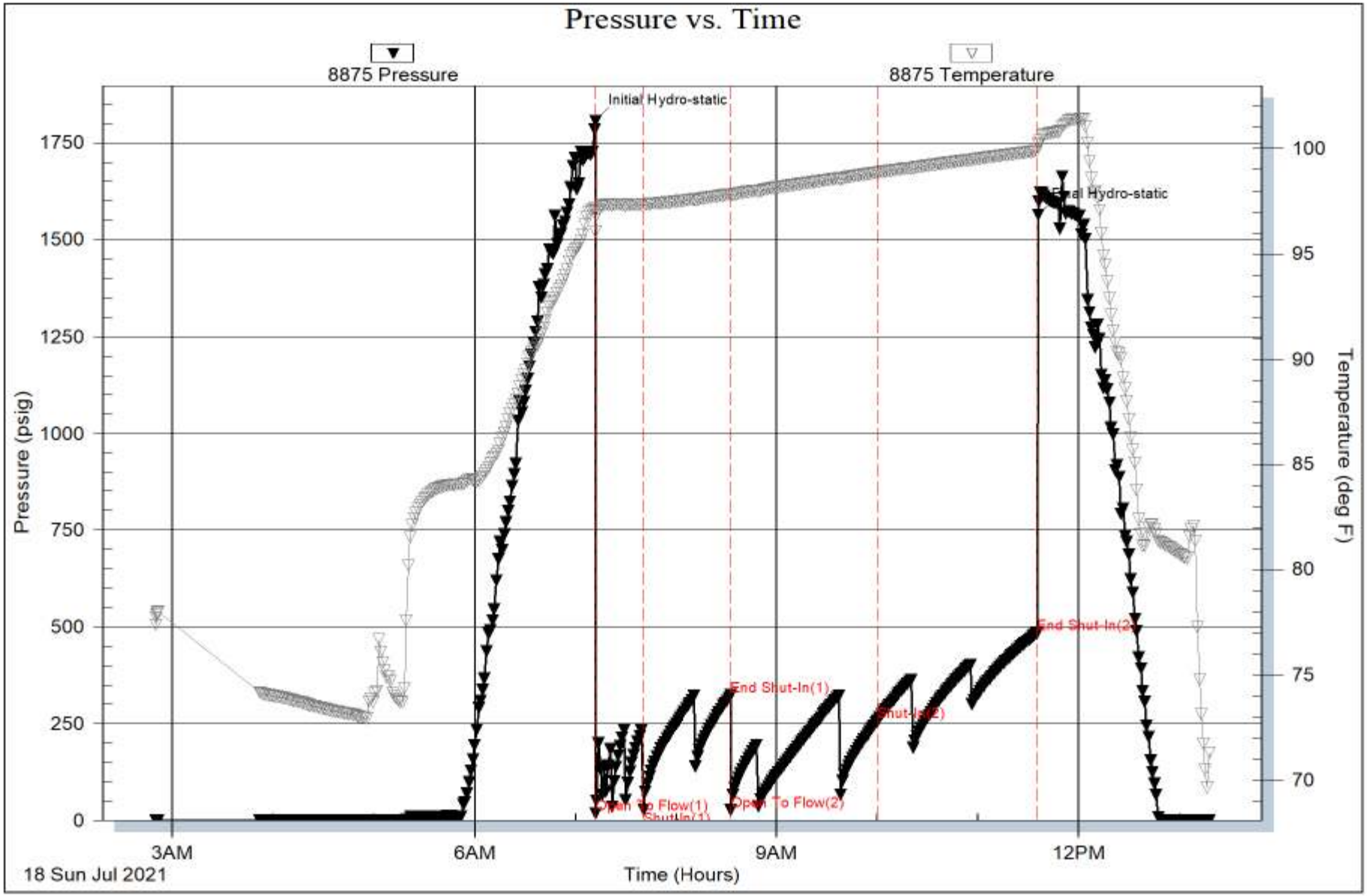
Recovery Table

Length ft	Description	Volume bbl
1.00	Mud 100%M	0.014

Total Length: 1.00 ft Total Volume: 0.014 bbl

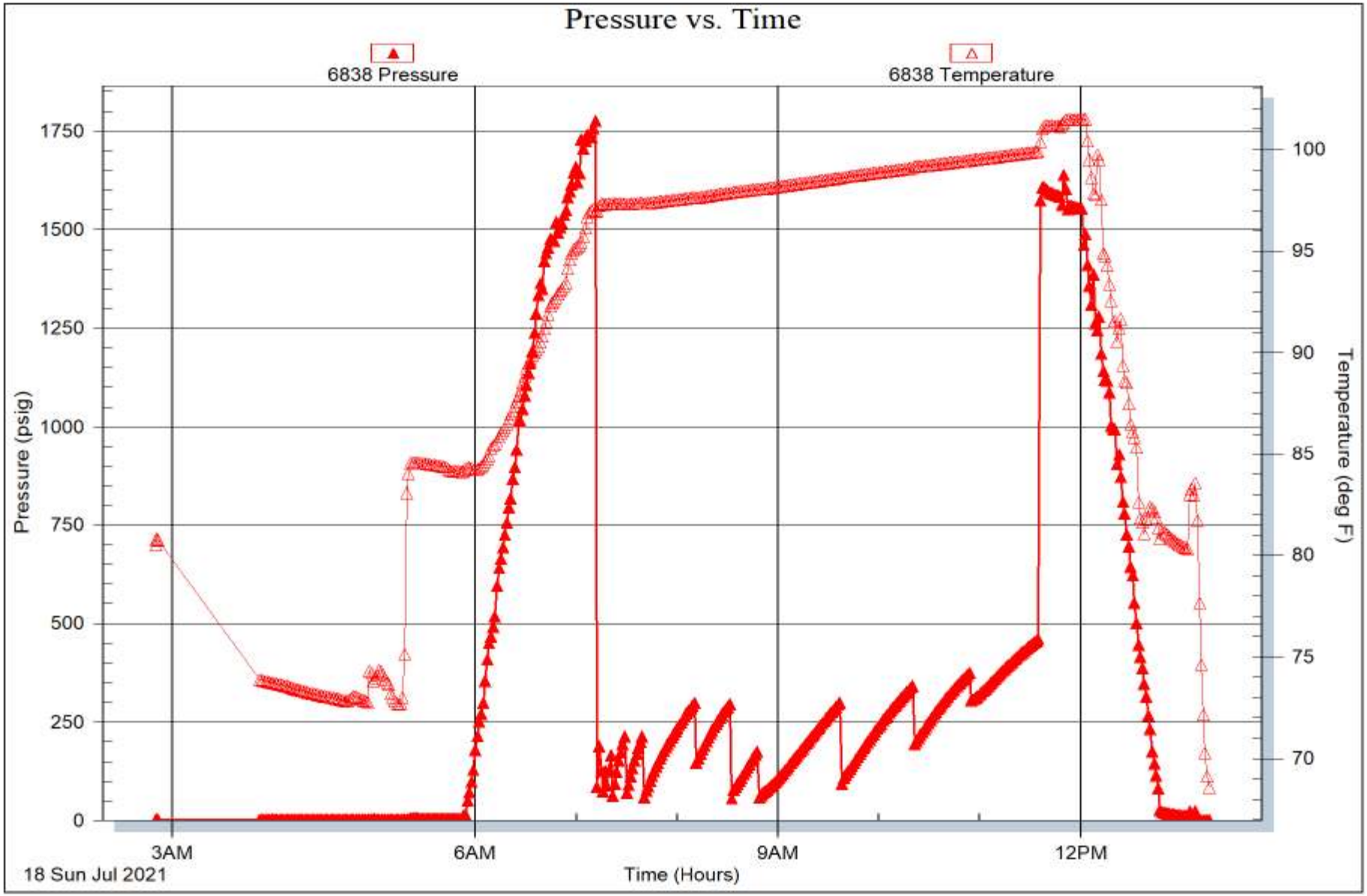
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 17#LCM

Serial #: 8875 **Outside** Meridian Energy 29-9s-18w Rooks KS DST Test Number: 1



Trilobite Testing, Inc Ref. No: 67374 Printed: 2021.07.18 @ 15:22:12

Serial #: 6838 **Inside** Meridian Energy 29-9s-18w Rooks KS DST Test Number: 1



Trilobite Testing, Inc Ref. No: 67374 Printed: 2021.07.18 @ 15:22:12

MAXWELL LAFON WELLSITE GEOLOGY

WELL INFO

Well Name:	Marcotte Van Dyke Unit #1		
Location:	SW SE SE NE sec. 29, T. 9S, R. 18W		
Footage:	450' FEL, 2390' FNL		
County/State:	Rooks Co., Kansas		
Field:	Wildcat		
Coordinates:	N 39.242476 , W 99.346244		
API #:	15-163-24430		
Ground Elev:	2164'	KB Elev:	2172'
Logged Interval:	2900' - TD	Total Depth:	3605'

OPERATOR INFO

Company:	Meridian Energy Inc.
Address:	1475 Ward Cir. Franktown, CO 80116

CONTRACTOR

Contractor:	Discovery Drilling		
Rig #:	4		
Rig Type:	Rotary Double		
Spud Date:	7/13/2021	Time:	2:00 PM
TD Date:	7/17/2021	Time:	2:30 PM
Rig Release:		Time:	

WELLSITE GEOLOGIST

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

DRILL STEM TESTS

No.	Interval	Formation	Recovery
1	3588 - 3605	Arbuckle	1' Mud

FORMATIONS

Formation	*Depth - Samples*	*Depth - Logs*	*Subsea*
Stone Corral	*1502' (+670)*	*1502'*	*+670*
Elmont	*2955' (-783)*	*2955'*	*-783*
Howard	*3034' (-862)*	*3034'*	*-862*
Topeka	*3100' (-928)*	*3100'*	*-928*
Heebner	*3312' (-1140)*	*3313'*	*-1141*
Toronto	*3335' (-1163)*	*3332'*	*-1160*
Lansing A	*3355' (-1183)*	*3354'*	*-1182*
Lansing C	*3385' (-1213)*	*3386'*	*-1214*
Lansing D	*3412' (-1240)*	*3410'*	*-1238*
Lansing F	*3431' (-1259)*	*3430'*	*-1258*
Lansing G	*3446' (-1274)*	*3440'*	*-1268*
Lansing H	*3488' (-1316)*	*3488'*	*-1316*

Lansing H	*3488' (-1316)*	*3488'*	*-1316*
Lansing I	*3510' (-1338)*	*3510'*	*-1338*
Lansing J	*3521' (-1349)*	*3525'*	*-1353*
Lansing K	*3546' (-1374)*	*3549'*	*-1377*
Lansing L	*3570' (-1398)*	*3570'*	*-1398*
Arbuckle	*3599' (-1427)*	*3599'*	*-1427*
TD	*3605'*	*3606'*	

ROCK TYPES

Dolprim
Lmst fw<7
Lmst fw7>
Shgy
Shblck
Shcol
Sltst
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

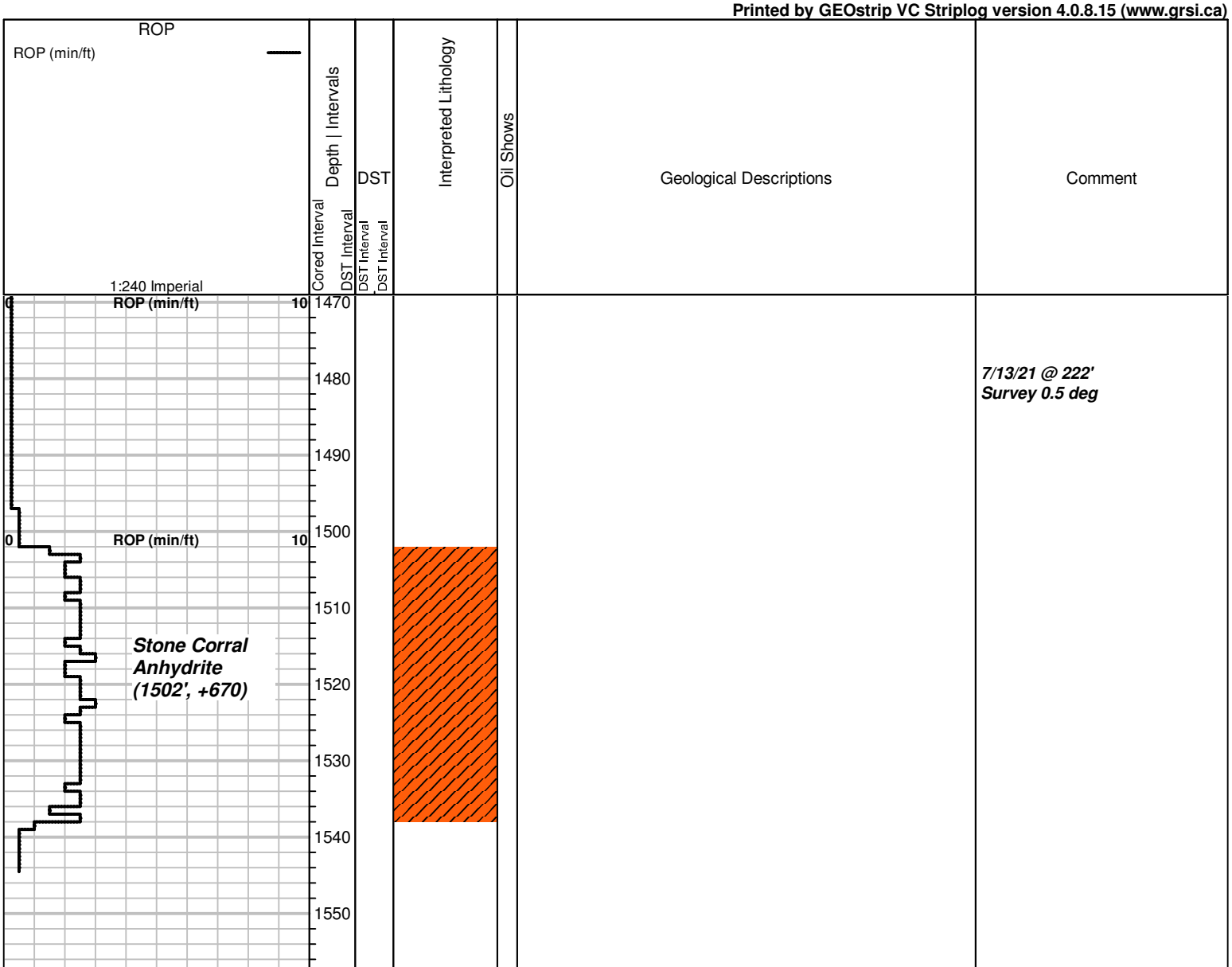
MISC

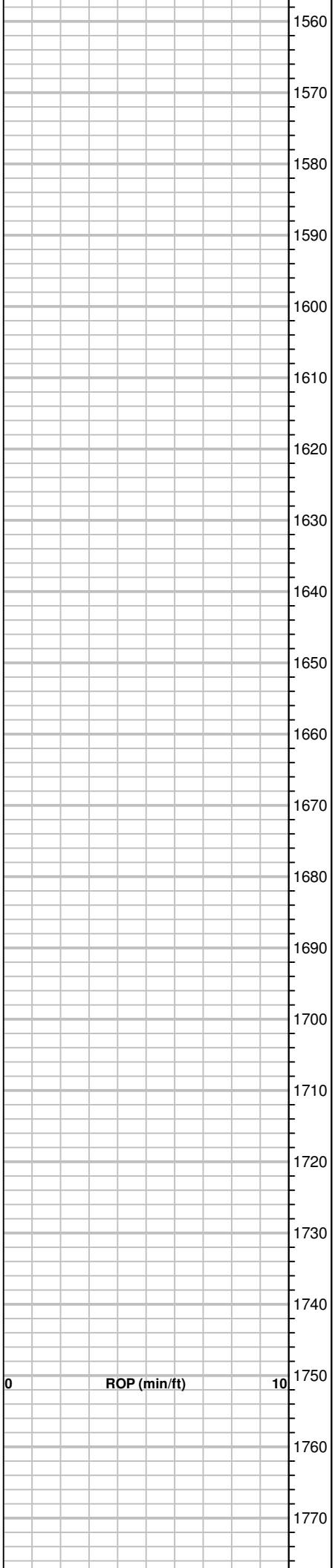
- Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt

DST

- DST Interval
- DST Interval

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

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1570
1580
1590
1600
1610
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1640
1650
1660
1670
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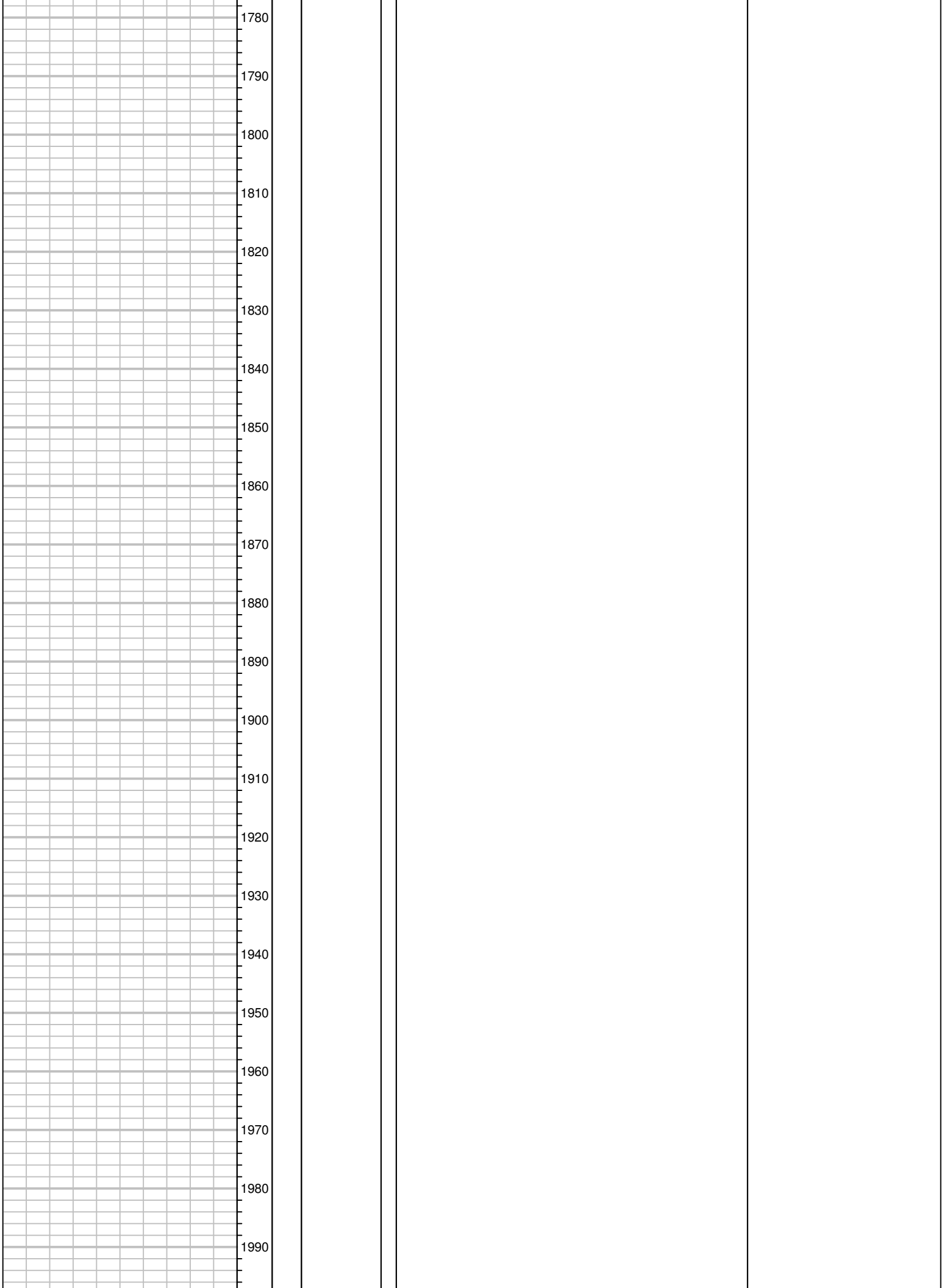
1700
1710
1720
1730
1740
1750
1760
1770
0
ROP (min/ft)
10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1960
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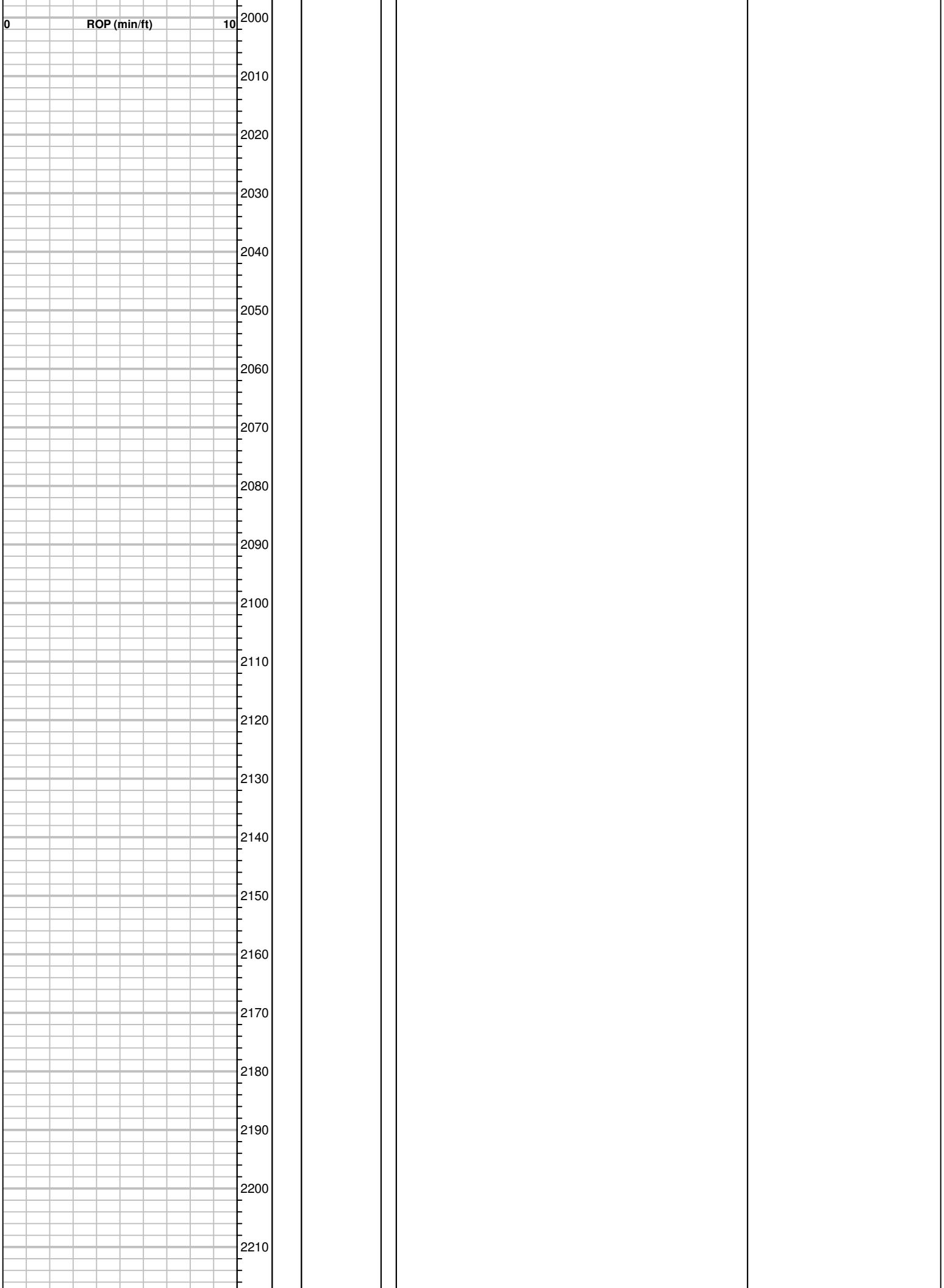
1980
1990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ROP (min/ft)
10
2000
2010
2020
2030
2040
2050
2060
2070
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2100
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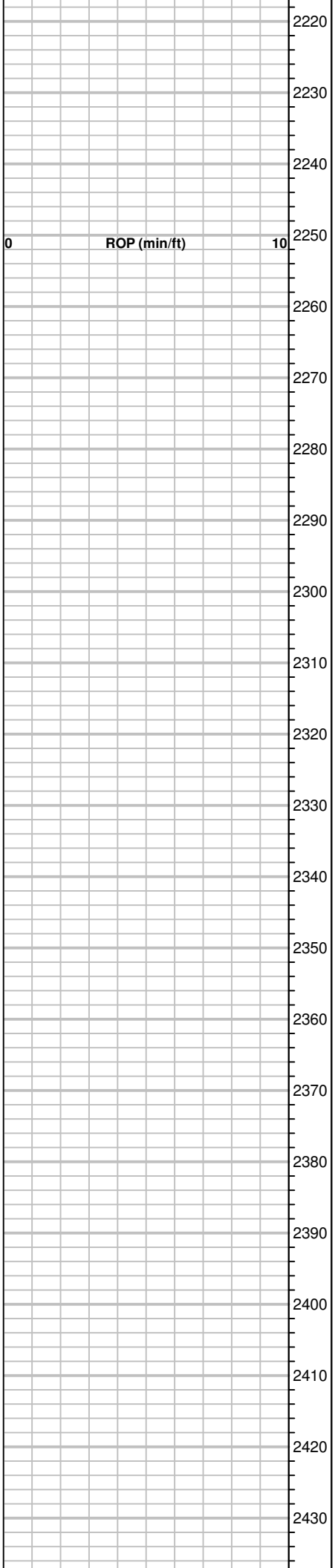
2210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2270
2280
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2330
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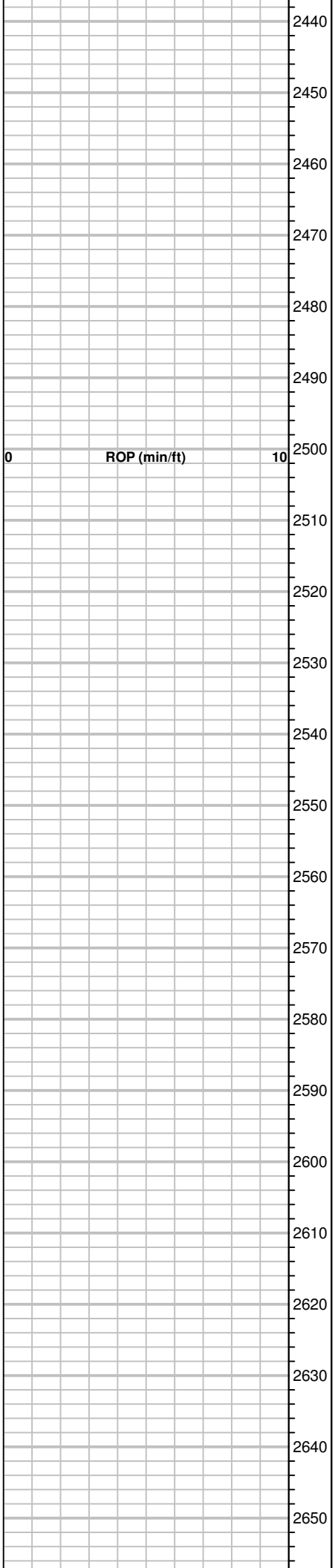
2400
2410
2420
2430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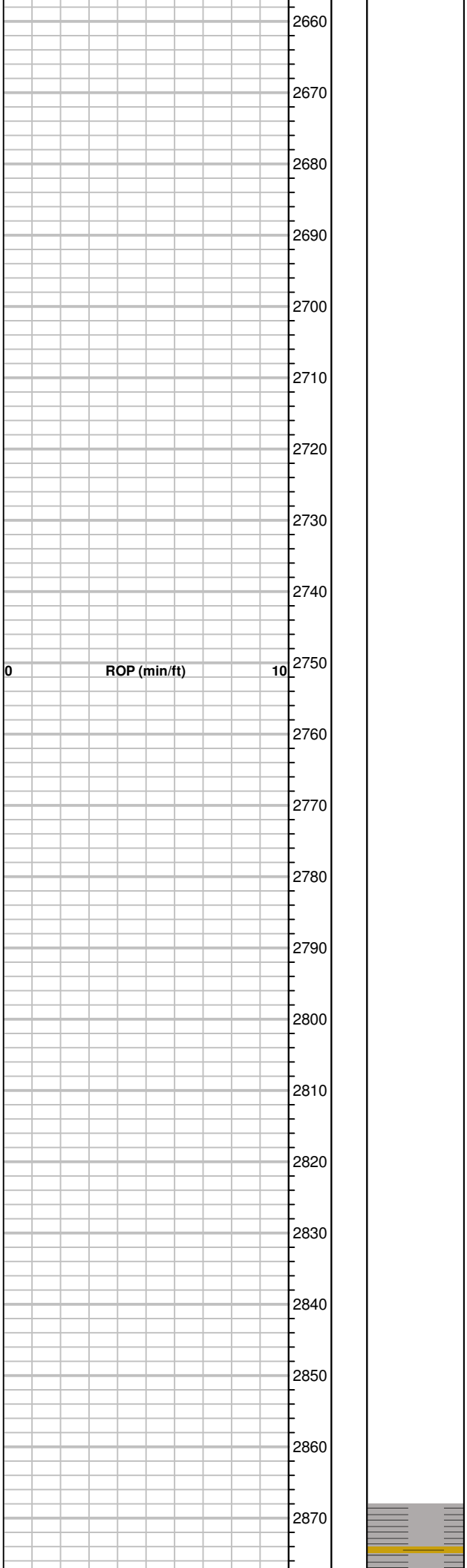
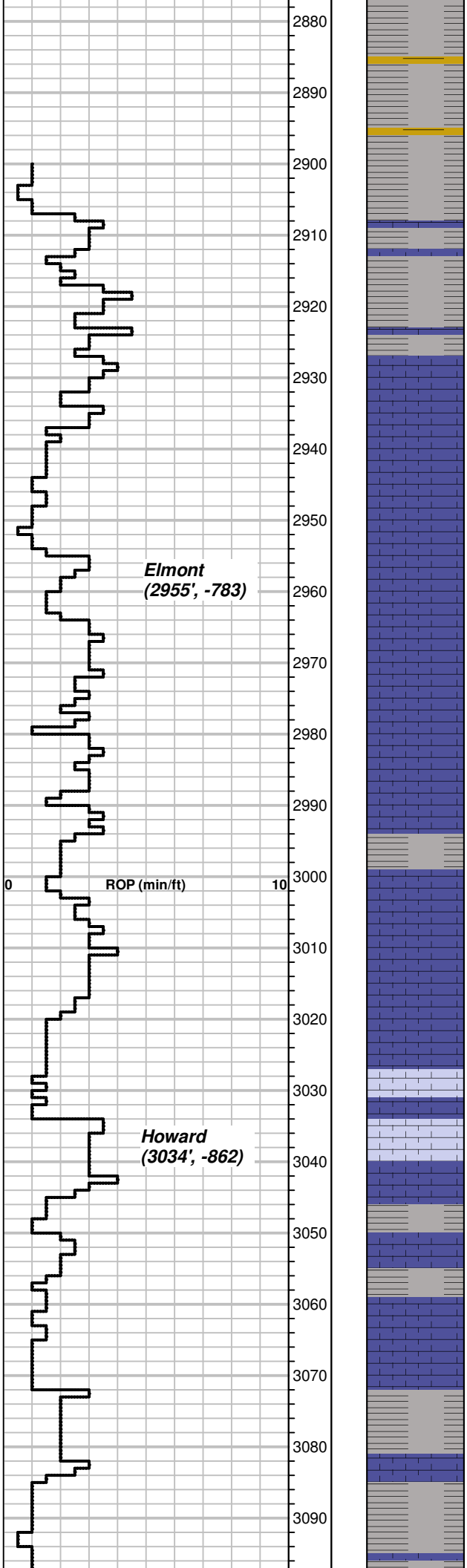
2450
2460
2470
2480
2490
0
ROP (min/ft)
10
2500
2510
2520
2530
2540
2550
2560
2570
2580
2590
2600
2610
2620
2630
2640
2650



2840-68 Sh lt. gry and gry



2880
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2868-2901 Sh dk gry, Tr Sh red

2901-29 Sh dk gry blcky, large cuttings, Tr Sh gry. Tr LS fine xtln, very hard, no por, NS

2929-58 LS lt. gry coarse xtln, slightly friable, poor por, NS. LS gry xtln, very hard, no por, NS

2958-88 LS gry xtln as above. LS cream fine xtln, friable, fair por, NS

2988-98 LS gry med - coarse xtln, very hard, no por, NS. Tr Sh gry, Tr LS cream oolitic replaced w/ sucrosic xtln, very hard, no por, NS

2998-3009 LS gry as above, NS

3009-14 LS gry fine - med xtln, very hard, no por, NS

3014-25 LS gry xtln, very hard, no por, NS

3025-37 As above, Tr LS gry fossiliferous grnstn rextlzd, very hard, no por, NS

D

3037-43 LS gry fossiliferous grnstn from above, NS. Tr LS lt. gry lt. gry, hard, poor por, ***dead oil stain***, NSFO

3043-50 LS gry xtln, very hard, no por, NS. Tr Sh gry - dk gry

3050-60 As above

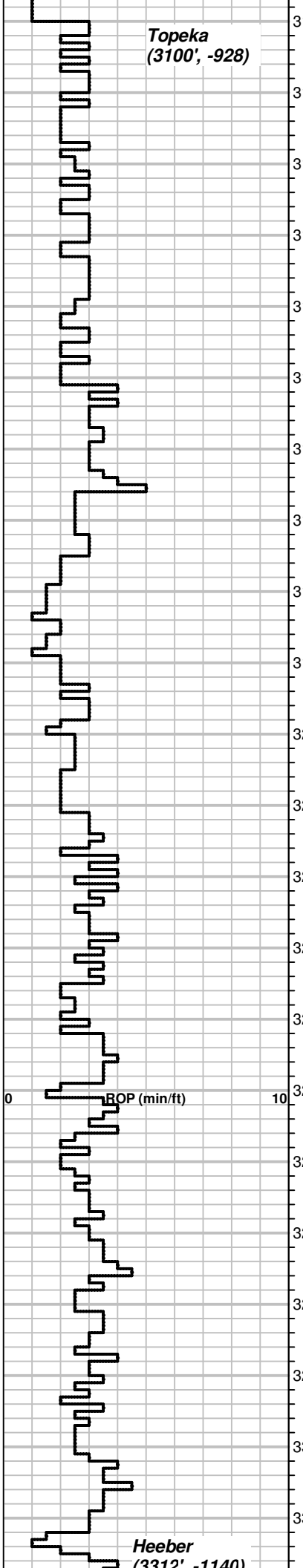
3060-73 Sh gry and dk gry, LS dk gry xtln, very hard, no por, NS

3073-78 As above, mostly Sh

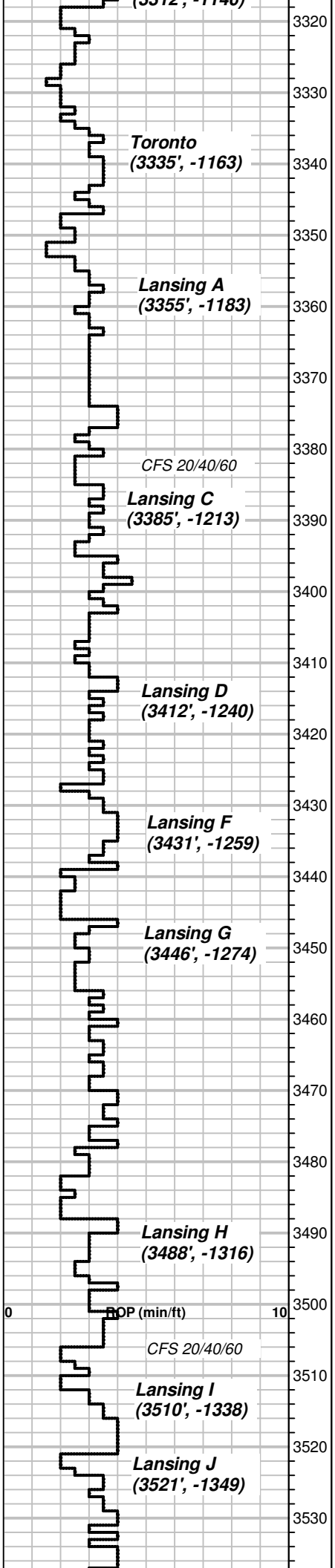
3078-97 As above

7/15/21 @ 2880'
Survey 1.5 deg
Pipe Strap 0.66' short

Wt. 8.5
Vis 60+



	3097-3107 LS gry - lt. gry xtln, hard, no por, NS. Sh dk gry	
	3107-18 LS cream xtln, friable, poor por, NS. LS cream microxtln, very hard, no por, NS	
	3118-29 LS gry/tan microxtln, very hard, no por, NS	
	3129-38 As above	
	3138-51 LS gry xtln, very hard, no por, NS. Tr LS gry med xtln, very hard, no por, NS	
	3151-60 LS gry micoxtln, very hard, no por, NS. LS dk gry med xtln, very hard, no por, NS	
	3160-67 LS lt. gry xtln, slightly friable, poor por, NS	
	3167-73 LS lt. tan xtln, very hard, no por, NS	
	3173-86 LS gry med - fine xtln, hard, no por, NS	
		Mud-Co check 7/16/21 Depth: 3180' Btms Up: 32 min Wt: 8.8 Vis: 55 Filt: 5.4 Cake: 1/32" LCM: 2# YP: 25 Chlor: 2,200 ppm Grad:0.458 psi/ft
D	3186-97 LS lt. gry fine xtln, friable, poor por, ***Dead bitumen***, NSFO	
D	3197-3220 LS arg gry fine xtln, slightly friable, no por, ***dead oil stain***, NSFO	
	3220-29 As above, Tr LS gry xtln, very hard, no por, NS	
	3229-40 As above, Tr LS gry fossiliferous grnstn rextlzd, hard no por, NS	
	3240-49 LS gry xtln, very hard, no por, NS	
	3249-59 As above, Tr Sh dk gry	
	3259-70 LS cream fine xtln, hard, no por, NS. LS gry med xtln, very hard, no por, NS	
	3270-80 LS gry xtln, very hard, no por, NS	Wt. 8.7 Vis 52
D	3280-89 LS cream fine xtln, hard, very poor por, few cuttings w/ ***dead bitumen*** in small fractures, NSFO	
	3289-3301 LS xtln as above	
D	3301-08 LS as above, LS gry coarse xtln, hard, no por, some w/ ***dead oil stn***. NSFO	
D	3308-17 Tr Sh blk and blcky (Heebner). LS cream / lt. tan fine xtln, slightly friable, poor por, NS. LS tan xtln, very hard, ***dead oil stain***, NSFO	



3317-27 Sh blk blocky. LS lt. tan fine - med xtln, very hard, NS. LS lt. gry fossiliferous grnstn rextlzd, very hard, no por, NS

3327-39 LS cream med xtln, slightly friable, fair intrxtln pro, some w/ vugs pinpt - med size fairly intrcnctd, most look wet, some w/ ***fair oil stain, minimal free oil,*** no odor

Toronto 3339.jpg

3339-47 LS as above, Also LS cream / lt. tan microxtln, very hard, no por, NS

Wt. 8.7
Vis 50

3347-59 LS lt. tan xtln, hard, no por, NS

D 3359-70 LS cream xtln, friable, fair intrxtln por, NS. LS cream med xtln, hard, poor por, ***dead oil stain***, NSFO

3370-79 LS gry xtln, hard, no por, NS. LS cream xtln as above

3379-83 LS as above, Sh grn

7/16/20
Short Trip 18 stands

D 3383-90 LS cream grnstn, hard, fair intrgrnlr por w/ few vugs, ***slight oil stain***, wet, NSFO. Tr LS gry microxtln, very hard, no por, NS

D 3390-99 LS lt. gry oolitic grnstn, very hard, no por, NS. LS lt. tan med xtln, very hard, no por, NSFO. Tr w/ ***dead oil stain***

3399-3410 LS lt. tan fine xtln, hard, no por, NS. Tr Sh red/grn

3410-19 LS cream xtln, very hard, no por, NS

Wt. 8.8
Vis 56

3419-30 LS cream - lt. gry fine xtln, friable, no por, NS. LS cream med xtln, very hard, no por, NS

3430-37 LS cream med xtln, very hard, no por, NS

3437-48 LS cream med grnstn, very hard, poor por, ***poor shw free oil when crushed, sparse shw, poor odor***. Mostly LS cream xtln, hard, no por, NS

Lansing G 3448.jpg

D 3448-60 LS cream microxtln, very hard, no por, NS. Tr grnstn as above, larger vugs present w/ ***oil stain***. NSFO when crushed

3460-70 LS cream microxtln, hard, no por, NS

3470-78 LS tan microxtln, very hard, no por, NS. Sh red/grn/gry

3478-89 LS dk gry arg xtln, very hard, no por, NS

3489-96 LS lt. tan microxtln, slightly transparent, slightly friable, no por, NS. Tr s/ small pinpt vugs, ***very poor oil shw, wet/weak stain, slight odor***

3496-3502 LS lt. tan-gry xtln, very hard, no por, NS

3502-06 As above, Tr LS red arg fine xtln, very hard, no por, NS. Sh red/gry

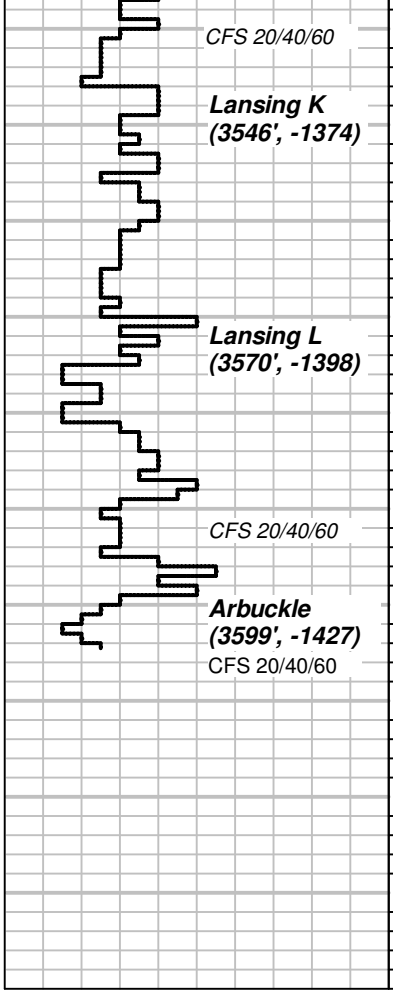
D 3506-10 LS lt. gry microxtln, very hard, no por, NS. Tr cuttings w/ sparse vugs, ***oil stained***

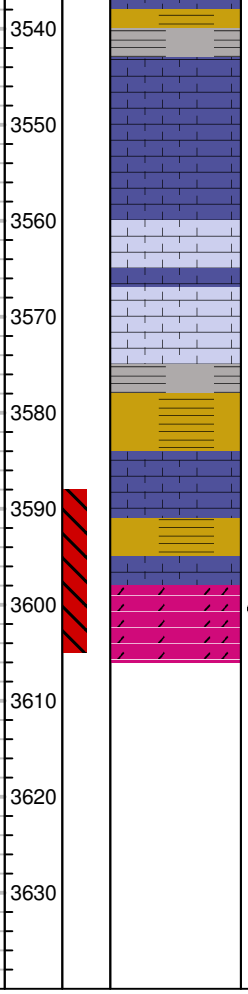
D 3510-20 LS lt. tan/cream microxtln, very hard, no por, NS. Tr LS lt. tan fine xtln, hard, ***slight oil stain, no free oil when crushed, good odr, few drops of oil in cup*** but no cuttings in entire cup w/ free oil

3520-31 LS lt. gry microxtln, very hard, no por, NS

3531-36 As above, Tr cuttings lt. gry fine xtln, hard, ***fair shw free oil when crushed, fair odor***

Lansing J 3536.jpg





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D

3536-40 LS as above, Sh gry and grn

3540-50 LS cream xtln, friable - hard, no por, NS

3550-59 LS lt. gry microxtln, very hard, no por, NS. Tr LS lt. gry xtln, very hard, no intrxtln por, ***dead oil stain***, NSFO

3559-68 LS dk gry fossiliferous grnstn, hard, no por, NS. LS lt. gry xtln, very hard, no por, NS

3568-83 Sh gry/grn. LS as above, LS gry grnstn, very hard, no por,

3583-88 Sh red/dk gry, LS red/cream arg, fine xtln, no por, NS. LS lt. gry coarse xtln, very hard, no por, NS

3588-92 LS lt. gry med - coarse xtln, very hard, no por, NS

3592-3600 Sh grn/gry, LS lt. gry med xtln, hard, no por, NS. One cutting Dolo lt. tan small rhombs, very hard, fair por, NS

3600-05 Dolo lt. tan mostly small - med rhombs, very hard, good por. Some cuttings ***completely oil stained, not much free oil when crushed. Fair shw***. Most cuttings have no stain and are barren, could be wet or tight

Driller TD 3605'
Logger TD 3606'

Mud-Co check 7/17/21
Depth: 3558' Btms Up: 33 min
Wt: 9.2 Vis: 51 Filt: 5.4
Cake: 1/32" LCM: 2# YP: 24
Chlor: 2,200ppm Grad:0.478psi/ft

DST #1 (3588-3605)
Arbuckle
30-45-90-90
Recovery: 1' Mud
IF: 18-28 SF: 27-256
Shut Ins: 323/484

30" IF - Weak Surface Blow
45" ISI - No Blow
90" FF - No Blow
90" FSI - No Blow

DST #1 - Marcotte VanDyke...

7/18/20 Short trip 15 stands, lost circulation

Arbuckle 3605-1.jpg
Arbuckle 3605-2.jpg
Arbuckle 3605-3.jpg

Mud-Co check 7/17/21
Depth: 3605' Btms Up: 36 min
Wt: 8.8 Vis: 48 Filt: 6.0
Cake: 1/32" LCM: 15# YP: 22
Chlor: 1,900ppm Grad:0.458psi/ft

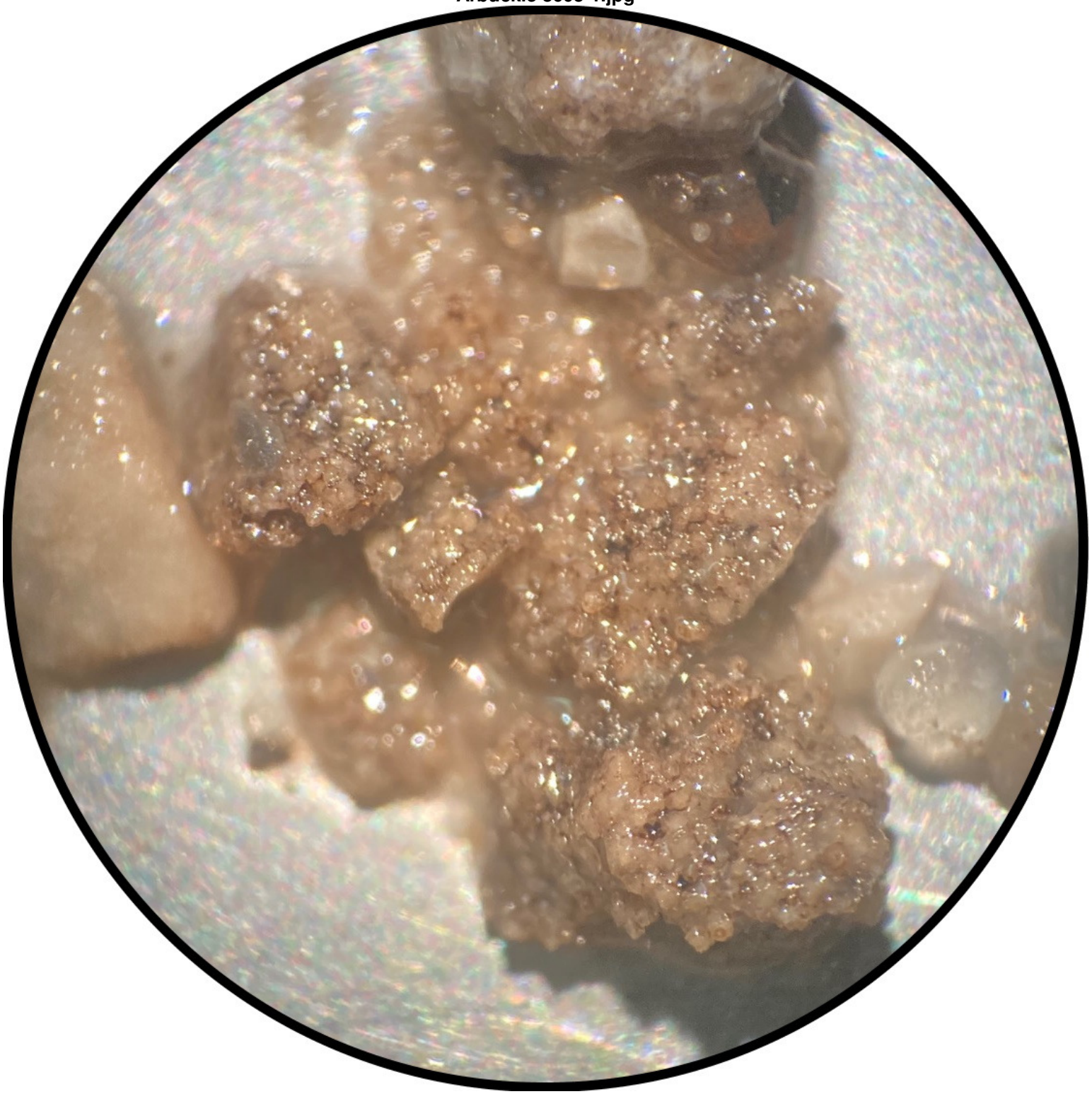
Mud-Co check 7/18/21
Depth: 3605' Btms Up: 36 min
Wt: 8.8 Vis: 49 Filt: 6.0
Cake: 1/32" LCM: 17# YP: 27
Chlor: 1,900ppm Grad:0.458psi/ft

Toronto 3339.jpg

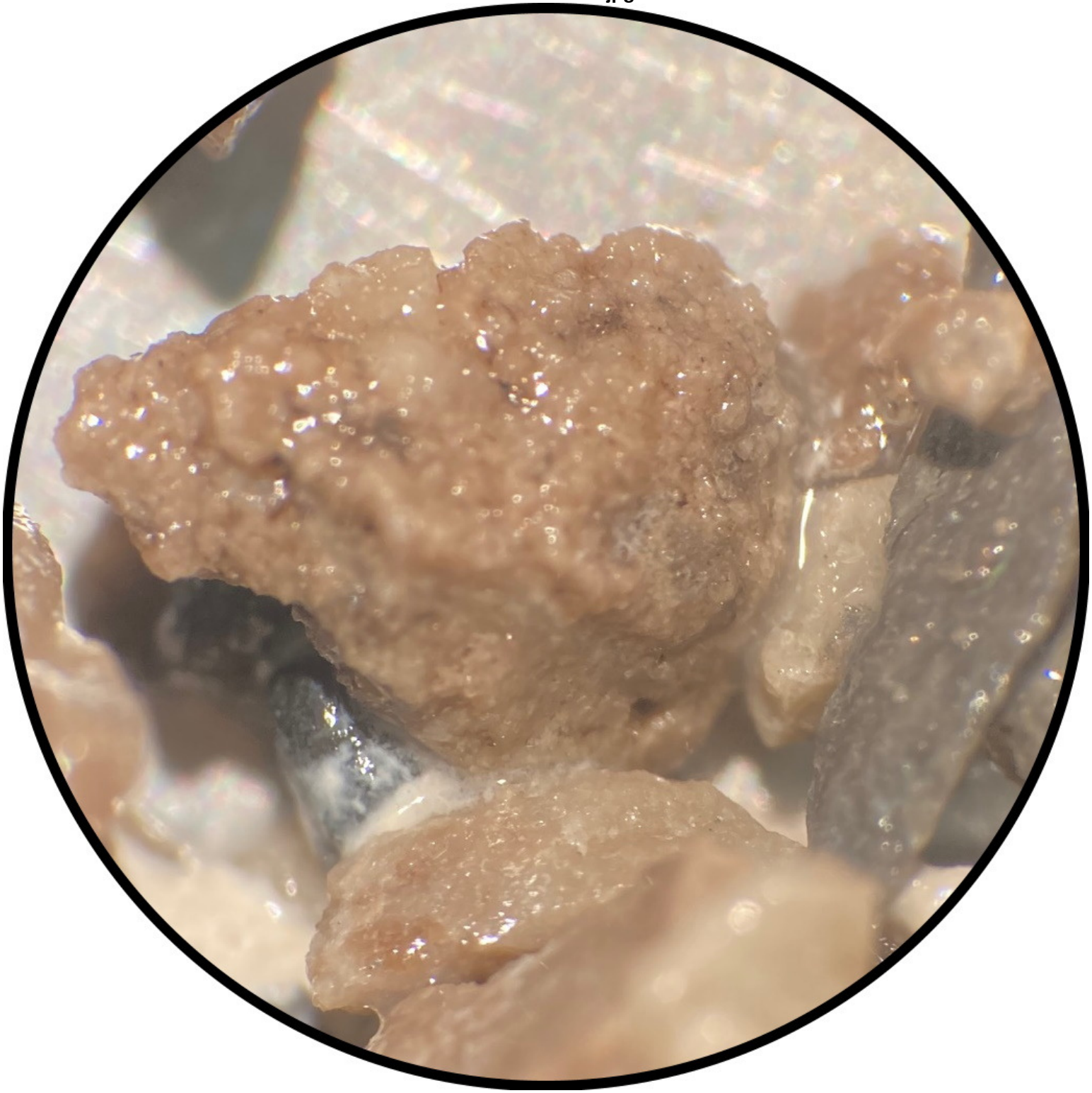
Lansing G 3448.jpg

Lansing J 3536.jpg

Arbuckle 3605-1.jpg



Arbuckle 3605-2.jpg



Arbuckle 3605-3.jpg