

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Neal LaFon Realty Inc. dba Meridian Energy Inc.
Well Name	SABATKA 1
Doc ID	1476260

Tops

Name	Top	Datum
Stone Corral	2962	+101
Neva	3464	-401
Red Eagle	3528	-465
Foraker	3576	-513
Topeka	3788	-725
Oread	3860	-797
Toronto	3958	-895
Lansing	4000	-937
BKC	4290	-1227

MAXWELL LAFON WELLSITE GEOLOGY**WELL INFO**

Well Name: Sabatka #1
 Location: S/2 SE SE NW sec. 2, T. 1S, R. 35W
 Footage: 2310' FWL, 2370' FNL
 County/State: Rawlins Co., Kansas
 Field: Wildcat
 Coordinates: N 39.866430 , W 100.862512
 API #: 15-153-21238

Ground Elev: 3057' KB Elev: 3063'
 Logged Interval: 3230' - TD Total Depth: 4330'

OPERATOR INFO

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

CONTRACTOR

Contractor: Flex Drilling
 Rig #: 1
 Rig Type: Rotary Double
 Spud Date: 7/25/2019 Time: 4:30 PM
 TD Date: 7/31/2019 Time: 9:48 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	3850 - 3899	Oread	382' MCW w/ tr O

FORMATIONS

Formation	Depth - Samples	Depth - Logs	Subsea
Stone Corral	2962' (+101)	2962'	+101
Neva	3463' (-400)	3464'	-401
Red Eagle	3530' (-467)	3528'	-465
Foraker	3576' (-513)	3576'	-513
Stotler	3718' (-655)	3718'	-655
Topeka	3790' (-727)	3788'	-725
Oread	3860' (-797)	3860'	-797
Toronto	3961' (-898)	3958'	-895
Lansing A/KC	4002' (-939)	4000'	-937
Lansing B	4060' (-997)	4058'	-995
Lansing C	4109' (-1046)	4108'	-1045
Lansing D	4158' (-1095)	4150'	-1090

Lansing D	4158' (-1095)	4159'	-1096
Lansing E	4214' (-1151)	4201'	-1138
Lansing F	4251' (-1188)	4244'	-1181
Base Lansing/KC	4289' (-1226)	4290'	-1227
TD	4330'	4329'	

ROCK TYPES

Cht	Lmst fw>7	Shgy	Slst
Lmst fw<7	Ss	Shcol	Anhy vert

OTHER SYMBOLS

OIL SHOWS

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

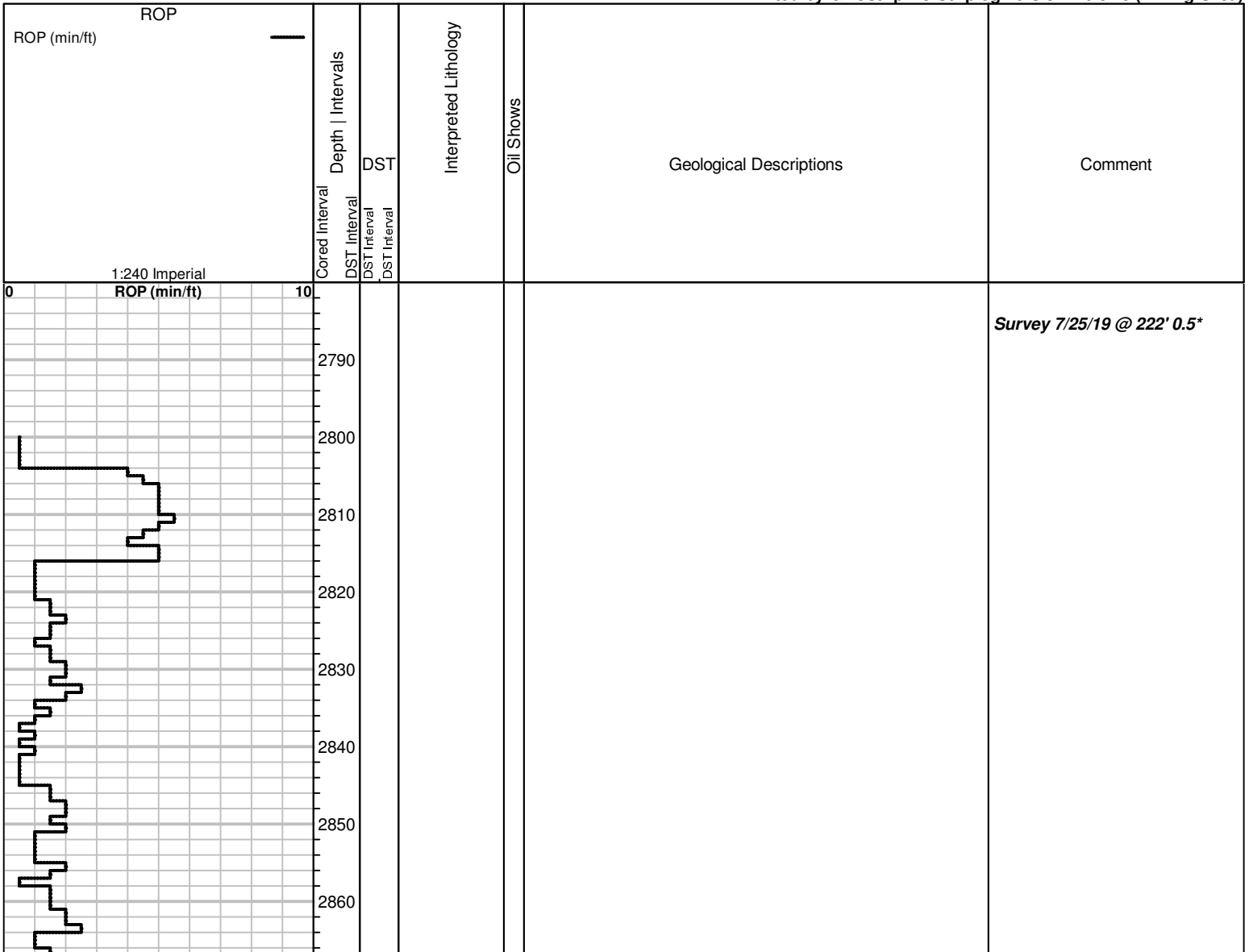
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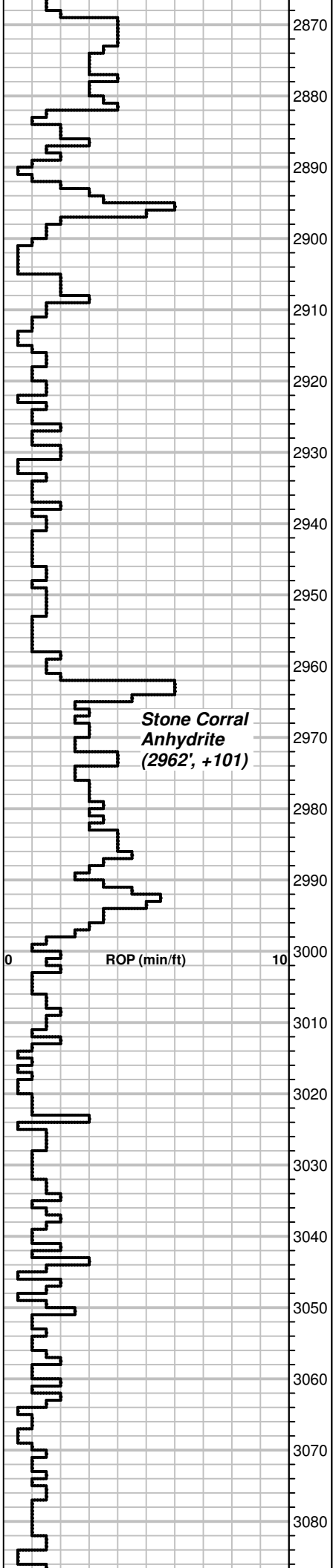
- Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt

DST

- DST Interval
- DST Interval

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



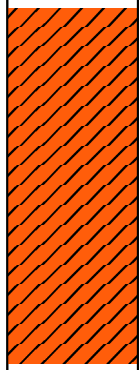


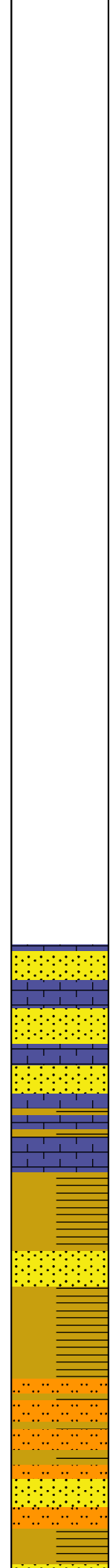
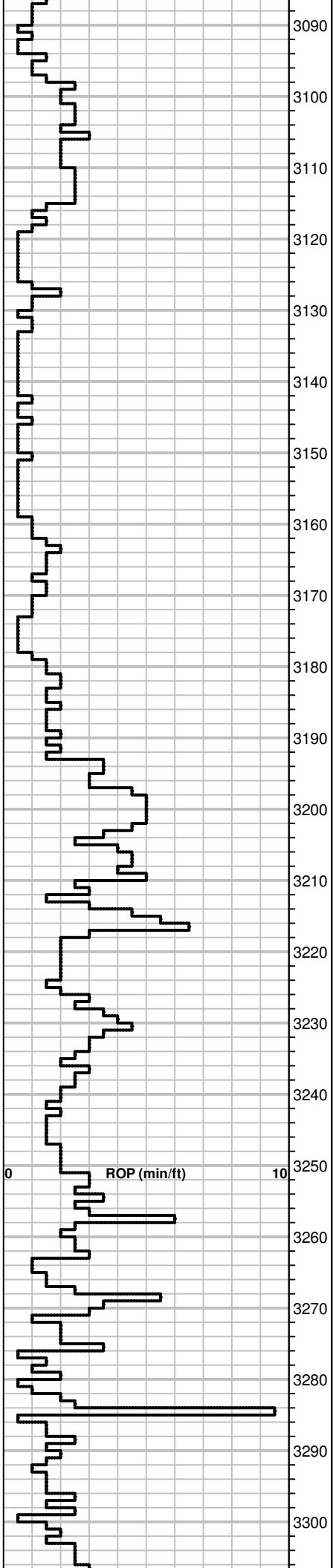
*Stone Corral
Anhydrite
(2962', +101)*

ROP (min/ft)

0

10





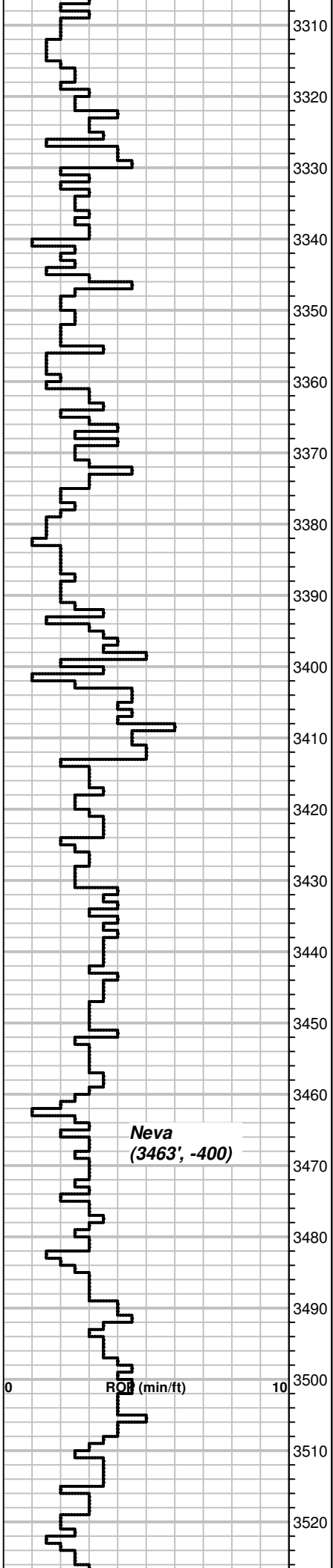
3219-50 SS gry fine grnd, friable, fair por, NS. LS gry xtln, very hard, no por, NS. Tr Sh red

3250-75 Sh red, Tr SS as above

3275-3306 Sh arg red, Sh gry, SS brwn, fine grnd, slightly friable, fair por, NS

Bit Trip, PDC for cone
Survey 7/27/19 @ 3193' 0.5*
Pipe Strap - 0.95' short

KS Drilling Technologies
Mud check 7/28/19
 Depth: 3210' Btms Up: 32 min
 Wt: 8.3 Vis: 53 Filt: 7.8
 Cake: 1/32" LCM: 2# YP: 20
 Chlor: 1000 ppm Grad: 0.432 psi/ft



Neva
(3463', -400)

ROP (min/ft)

3306-38 SS as above, Sh arg red

3338-68 As above

3368-3404 As above, Tr Sh dk gry

3404-11 Sh red

3411-19 Sh red, arg red, Tr LS white chlky, very friable, NS

3419-32 Sh red cly

3432-41 Sh arg red and cly

3441-50 As above

3450-58 As above

3458-69 Good slug LS lt. gry - cream coarse xtl, very hard, no por, NS.

3469-79 70% As above, 30% Sh red, brwn cly

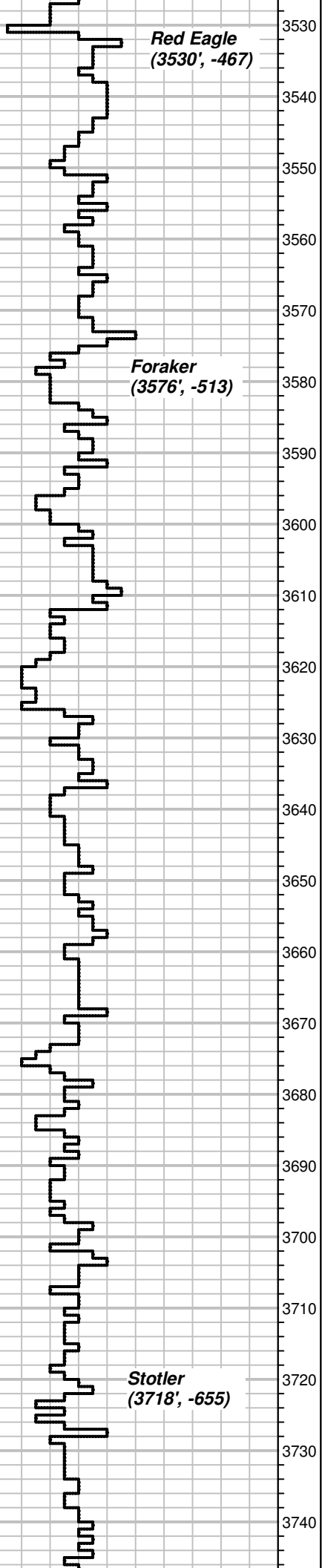
3479-92 LS cream med xtl, very hard, no por, NS

3492-3502 Sh red, Tr LS lt. gry xtl, very hard, no por, NS

3502-09 Sh red cly, cly lt. gry

3509-16 Mostly Sh red, Cly red, Tr LS lt. gry xtl, very hard, no por, NS

3516-32 Cly red and lt. gry, Sh red



**Red Eagle
(3530', -467)**

**Foraker
(3576', -513)**

**Stotler
(3718', -655)**

3532-40 Good slug LS gry xtlN - med xtlN, very hard, no por, NS. LS cream fine grnstrn, hard, no por, NS

3540-51 LS xtlN from above, Tr chert opaque gry and orange

3551-61 Sh red cly, Sh gry, Tr LS gry fine xtlN, very hard, no por, NS

3561-69 Sh red arg and cly

3569-79 Sh red cly, Tr LS white xtlN, slightly friable, very poor por, **dead tarry bitumen** in pores, NSFO, LS gry microxtln, very hard,

3579-88 Good slug LS white xtlN as above w/ bitumen, LS lt. gry - white med grnstrn, very hard, no por, NS

3588-3601 LS grnstrn as above, LS gry/brwn xtlN, very hard, no por, NS

3601-08 LS gry xtlN, hard, no por, NS. LS lt. gry grnstrn mostly very hard, no por, NS. Some slightly friable w/ **dead bitumen stain**, NSFO

3608-14 LS gry fine xtlN, very hard, no por, NS. LS dk gry xtlN, very hard, no por, NS

3614-29 LS dk gry xtlN from above, LS lt. gry xtlN very hard, no por, NS

3629-38 LS dk gry very fine xtlN, very hard, no por, NS. LS lt. gry xtlN, hard, no por, NS

3638-50 Some Sh red cly, LS brwn microxtln, very hard, no por, NS. LS white med grnstrn, hard, poor por, **dead bitumen**, NSFO

3650-59 LS lt. gry med xtlN, hard, no por, NS. LS gry med grnstrn, hard, poor por, **bitumen in pores**, NSFO

3659-67 LS white med - coarse xtlN, hard, very poor por, **bitumen in pores**, NSFO

3667-77 50/50 LS as above, some w/ **bitumen stain** and Sh red

3677-87 Sh red, cly

3687-99 Some Sh red, LS lt. gry, grnstrn, hard, no por, NS

3699-3708 LS grnstrn from above, LS gry xtlN, very hard, no por, NS

3708-17 Some Sh red, LS gry xtlN from above

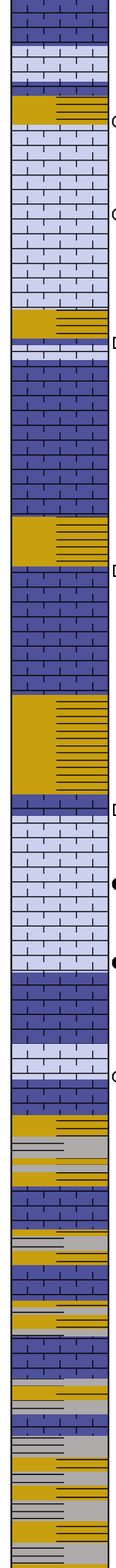
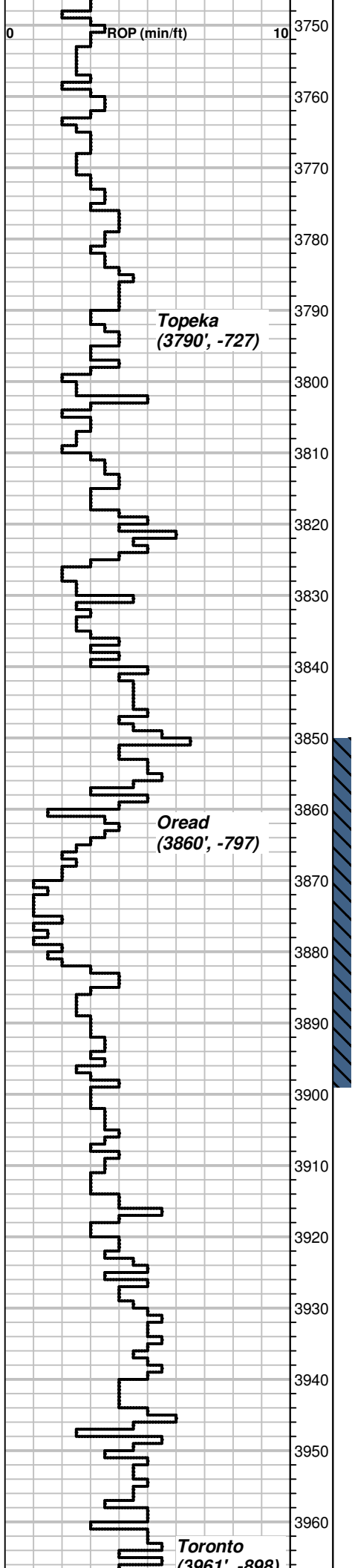
3717-28 LS cream fine grnstrn, friable, fair por, dead bitumen and oil stain, NSFO, no odor. LS cream fossiliferous coarse grnstrn, hard, poor por, **some dead bitumen**, NSFO

3728-40 As above, one grain w/ **oil stain and a couple drops heavy oil** when crushed, **poor show**, no odor, some small pinpoint vugs on microxtln w/ **oil stain**

3740-48 LS lt. gry coarse grnstrn, very hard, poor por, **lots of dead bitumen**, NSFO. LS white med xtlN, hard, poor por, **lots of dead**

**KS Drilling Technologies
Mud check 7/29/19**

Depth: 3647' Btms Up: 35 min
Wt: 8.6 Vis: 61 Filt: 8.0
Cake: 1/32" LCM: 2# YP: 20
Chlor: 1000 ppm Grad: 0.447 psi/ft



bitumen, NSFO

3748-58 LS lt. gry fine xtln, hard, no por, NS. same LS grnstrn as above

3758-71 Sh red, LS lt. gry/red arg, hard, no por, NS. LS tan grnstrn w/ fair intrgrnlr por, some small vugs, friable, **highly saturated w/ dead oil stain**, NSFO, no moveable oil, **weak odor, very strong cut**. fair shw, don't think por is enough to move heavy oil if moveable ***review on logs**

3771-82 LS grnstrn as above w/ **same show**, more cuttings w/ shw than above, one grain had some vugs w/ **heavy free oil, fair show**, seems tight

3782-90 As above, less saturated grains

3790-99 Sh red, LS lt. gry - tan xtln, very hard, no por, NS. Trace LS grnstrn from above w/ **dead bitumen staining**

3799-3811 LS lt. gry xtln and microxtln, very hard, no por, NS. LS white sucrosic xtln, friable, poor por, NS.

3811-21 LS white chlky xtln, very friable, no por, NS. LS white xtln, slightly friable, no por, NS

3821-30 Some Sh red, LS xtln from above, LS white med xtln, hard, poor por, some w/ **bitumen stain**

3830-44 LS as above. LS lt. purple xtln, hard, no por, NS

3844-52 LS lt. purple xtln as above, Sh red

3852-58 Sh red, dk gry, tr grn

3858-62 LS white chlky xtln, friable, **lots of bitumen**, no por, NS. LS lt. gry grnstrn, hard, poor por, **bitumen**, NSFO, Sh red

3862-77 Good slug, LS white med grnstrn, hard, poor por, **heavy free oil in pores, tight but good drill break, lots of oil scum and oil in cup, drops are angular partially dead, good odr, good oil sat, good shw**

3877-87 As above w/ **same shw**, LS lt. gry and cream microxtln, very hard, no por, NS, oil drops in cup, **weak odor**

3887-94 LS lt. gry microxtln, very hard, no por, NS

3894-99 Mostly LS as above, Tr LS lt. gry grnstrn, very hard, poor por, some cuttings have **fair shw free oil**, less sat than upper Oread zone

3899-3911 Sh dk gry and red, LS lt. gry xtln, hard, no por, NS

3911-23 As above, Also LS lt. gry microxtln, very hard, no por, NS

3923-33 As above

3933-43 LS lt. gry microxtln, hard, no por, NS. Sh dk gry and red

3943-52 Mostly Sh dk gry and red, Tr LS lt. gry very fine xtln, friable, no por, NS

3952-63 Sh dk gry/red/grn

3963-68 As above

Wt. 8.5
Vis 48

Stotler - 3771.JPG

Stotler - 3782.JPG

DST # 1 (3850-3899)
Oread
0-45-60-120
Recovery: 382' MCW tr O
IF: tool didn't open SF: 26-194
Shut Ins: n/a /1254

0" IF - Built to 1/8"
45" ISI - No blow back
60" FF - BOB in 15.5 min, built to 39"
120" FSI - No blow back
Rw: 0.204 @ 90.3° F
Chlorides: 26,000 ppm

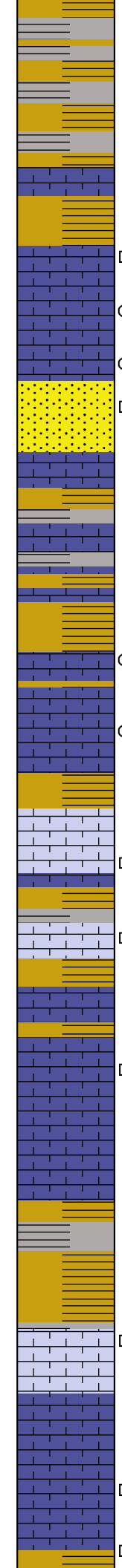
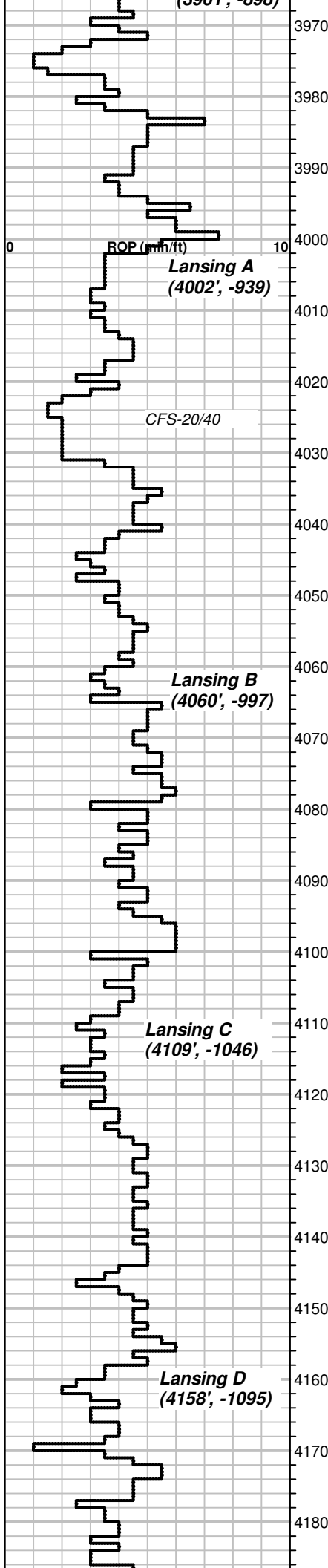
DST 1 - Sabatka 1.pdf

Oread - 3877.JPG

Oread cup - 3877.JPG

KS Drilling Technologies
Mud check 7/30/19
Depth: 3899' Btms Up: 37 min
Wt: 9.0 Vis: 52 Filt: 11.4
Cake: 1/32" LCM: 2# YP: 20
Chlor: 1500 ppm Grad: 0.468 psi/ft

Survey 7/3//19 @ 3899' 1*
Pipe Strap - 2.55' long



3968-83 As above

3983-94 Sh dk gry/gry/red, Tr LS lt. gry microxtln, hard, no por, NS

3994-4001 Sh dk gry/gry/red

4001-11 Good slug LS, Lansing A top. LS gry/tan microxtln, very hard, no por, NS. A few fracture planes w/ **oil stain/dead oil**, NSFO

4011-16 LS as above, very sparse grains w/ pinpoint - small isolated vugs, **oil stnd and free oil in some vugs, poor shw** - sparse

4016-21 As above, same **poor shw, a few small oil drops in cup**, no odor, LS tan microxtln, very hard, no por, NS

4021-25 LS tan microxtln, very hard, no por, NS. SS lt. gry - gry very fine grnd, calc. cement, friable, good por, some small specks, **dead oil**, wet, NSFO

4025-33 LS tan microxtln, very hard, no por, NS. SS from above, LS lt. gry microxtln, very hard, no por, NS

4033-41 As above, LS white, very fine xtln, slightly friable, no por, NS, Tr Sh red/dk gry

4041-53 Sh red/dk gry/grn, LS lt. gry/tan microxtln, very hard, no por, NS

4053-63 LS lt. gry grnstrn rextlzd, hard, very poor por, small **oil filed pores when broken**, not intrcnctd, **poor shw free oil, lots of oil drops in cup, weak odor**, Sh red/grn

4063-73 LS as above w/ same **poor shw**, no odor. LS lt. gry/blue xtln, hard, no por, NS. LS lt. gry/blue microxtln, very hard, no por, NS

4073-82 Sh red/gry/grn, LS lt. gry xtln and microxtln, very hard, no por, NS

4082-94 LS lt. gry grnstrn, very hard, no por, **tr dead oil/stn** between grns, NSFO, Tr Sh red

4094-4102 Sh red cly, Sh gry, Same LS grnstrn from above w/ **dead oil**

4102-09 Sh red/grn, LS lt. gry xtln, very hard, no por, NS. Tr grnstrn from above

4109-22 Tr Sh red, LS white xtln, slightly friable, poor por, **dead oil specks** in por, NSFO. LS gry and tan microxtln, very hard, no por, NS. LS gry xtln, very hard, no por, NS

4122-33 As above, NS

4133-42 LS lt. gry med xtln, very hard, no por, NS, Sh red/ dk gry

4142-52 Sh red/dk gry/grn, LS brwn med xtln, very hard, no por, NS

4152-59 Sh blk and red, Tr LS lt. gry fine grnstrn, slightly friable, poor por, NS, very few cuttings w/ **dead oil in pores**, most look wet

4159-72 Good slug LS lt. gry - lt. tan microxtln, very hard, no por, NS. Tr grnstrn from above, very hard, no por, NS

4172-81 LS lt. gry xtln, very hard, no por, NS. Some cuttings w/ small vugs, **dead oil in vugs**, NSFO

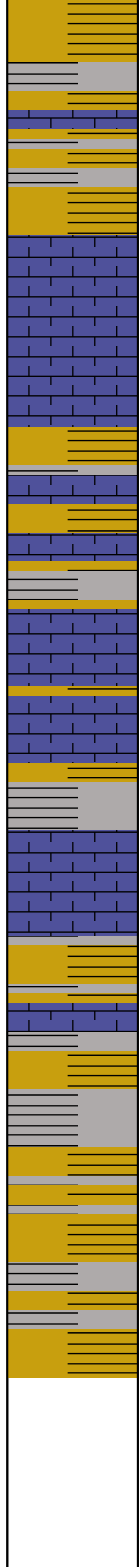
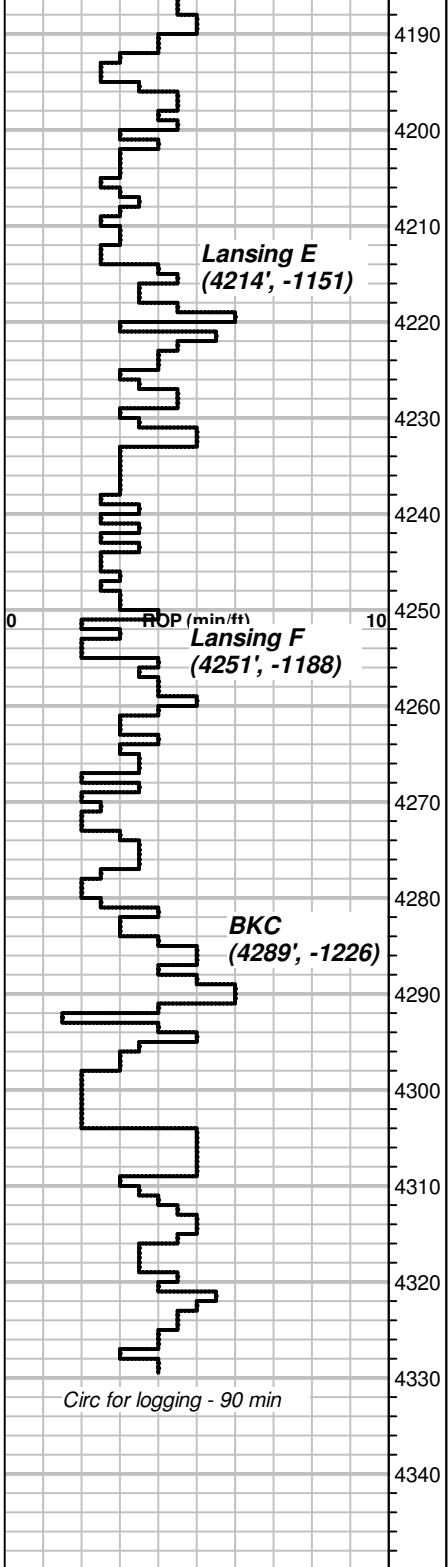
4181-90 LS lt. gry - white xtln, very hard, no por, Tr w/ same **dead oil shw** as above, Sh red/dk gry

Lansing A - 4016.JPG

Lansing B - 4063.JPG

KS Drilling Technologies
Mud check 7/31/19
 Depth: 4143' Btms Up: 39 min
 Wt: 9.1 Vis: 42 Filt: 13.2
 Cake: 1/32" LCM: 1.5# YP: 15
 Chlor: 2000 ppm Grad: 0.473 psi/ft

Lansing D - 4181.JPG



4190-99 Mostly Sh red/dk gry/grn, Some LS lt. gry/tan xtltn, very hard, no por, NS

4199-4210 95% Sh red/gry/dk gry, Tr LS white very fine xtltn, slightly friable, no por, NS

4210-21 Tr Sh red, LS lt. tan semi opaque microxtln, very hard, no por, some free oil in fractures, poor shw. LS lt. tan/gry grnstrn, prtly rextlzd, hard, poor por, very poor shw free oil in pores when crushed, looks wet, sparse shw, tight

4221-29 As above w/ same poor shws

4229-37 Sh red/dk gry/grn, Tr LS white fine xtltn, friable, no por, NS

4237-49 As above, Tr LS lt. gry xtltn, very hard, no por, NS

4249-59 70% LS lt. gry xtltn, hard, no por, NS, 30% Sh red/gry

4259-66 50/50 Sh red/gry/grn, LS lt. gry - gry microxtln, very hard, no por, NS

4266-82 As above

4282-89 LS lt. gry coarse xtltn, very hard, no por, NS. Sh red/gry

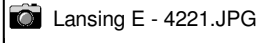
4289-4300 As above, Mostly Sh

4300-11 Sh red, gry, grn

4311-21 As above

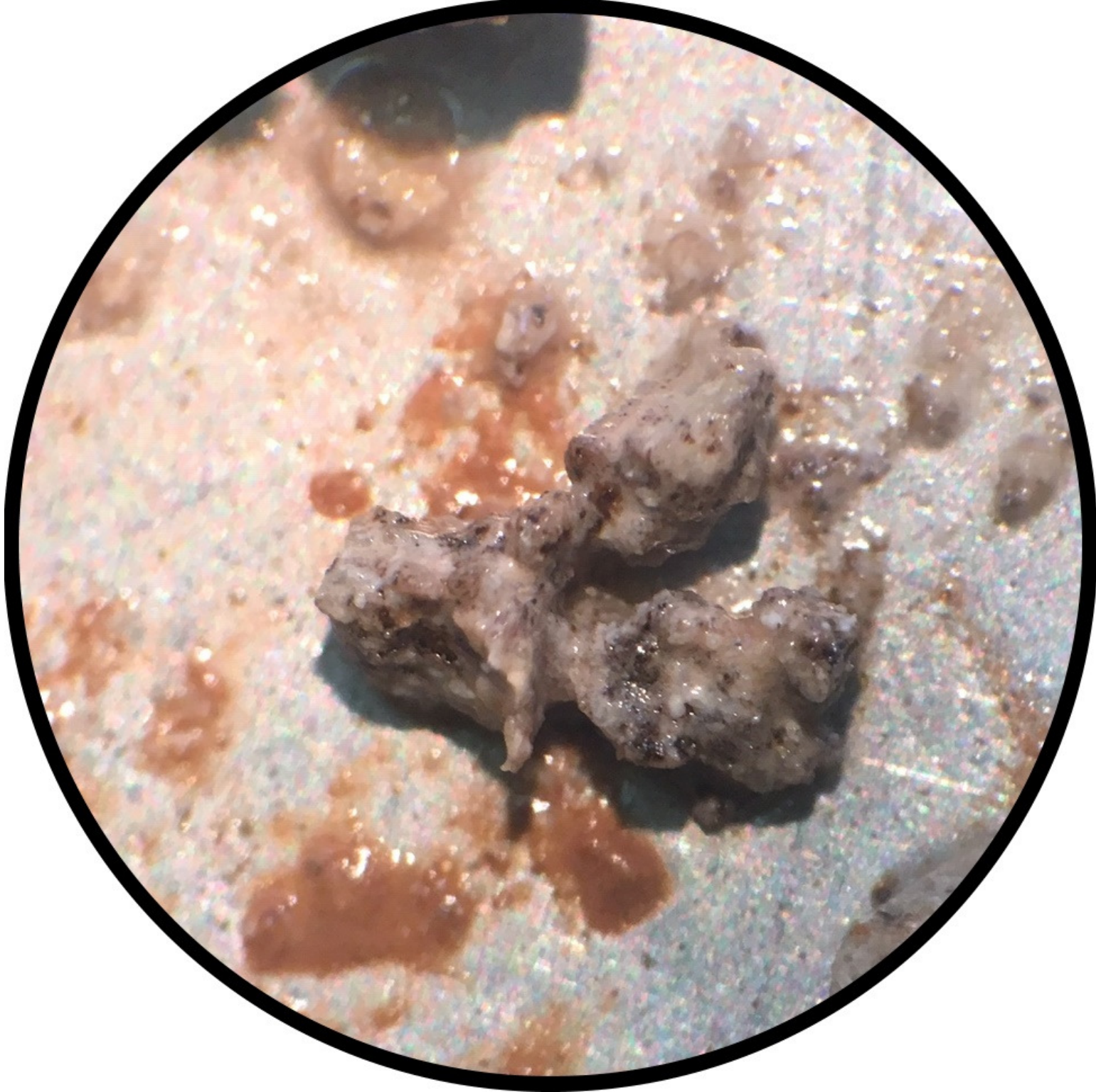
4321-30 As above

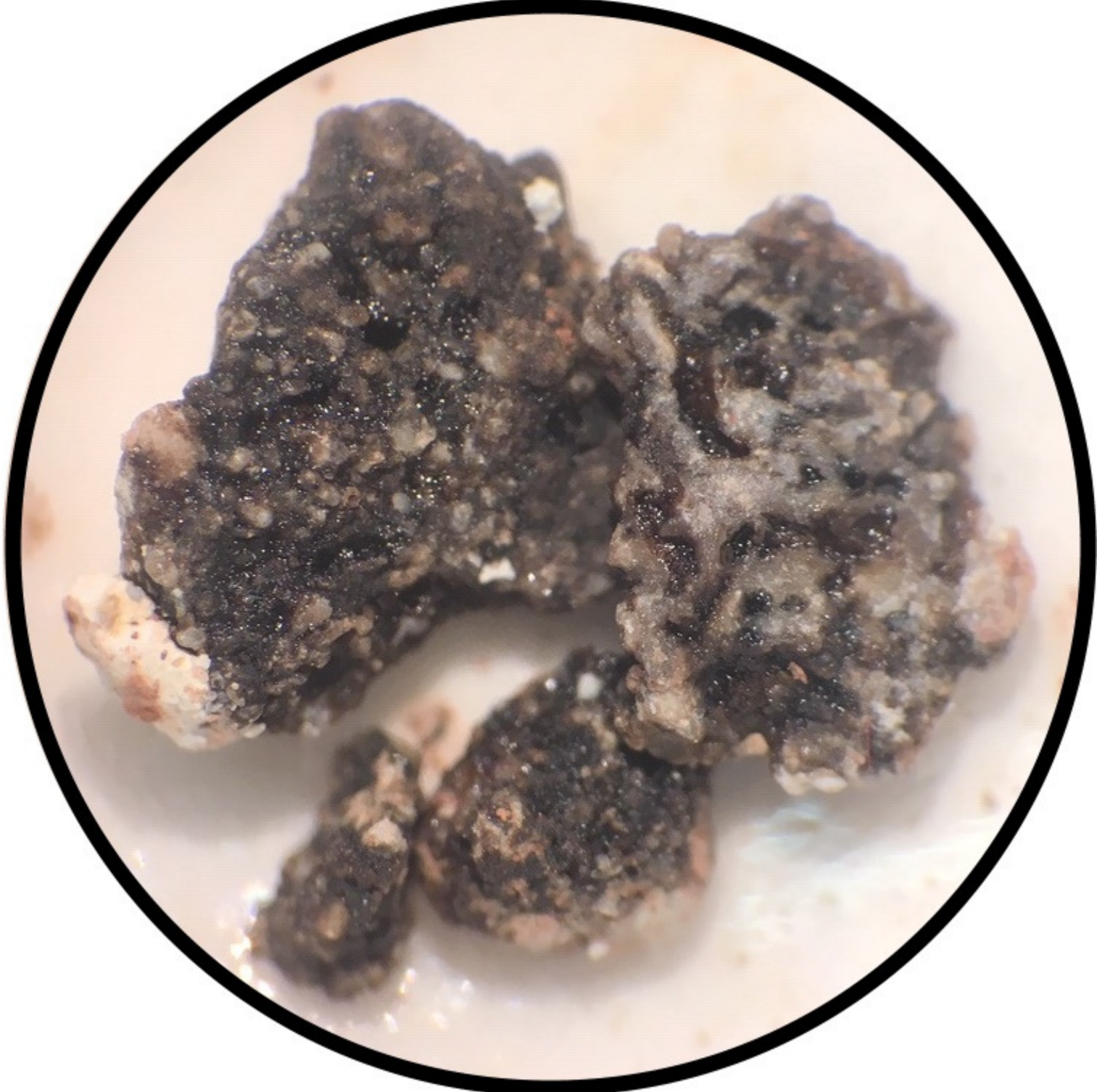
Driller TD 4330'
Logger TD 4329'

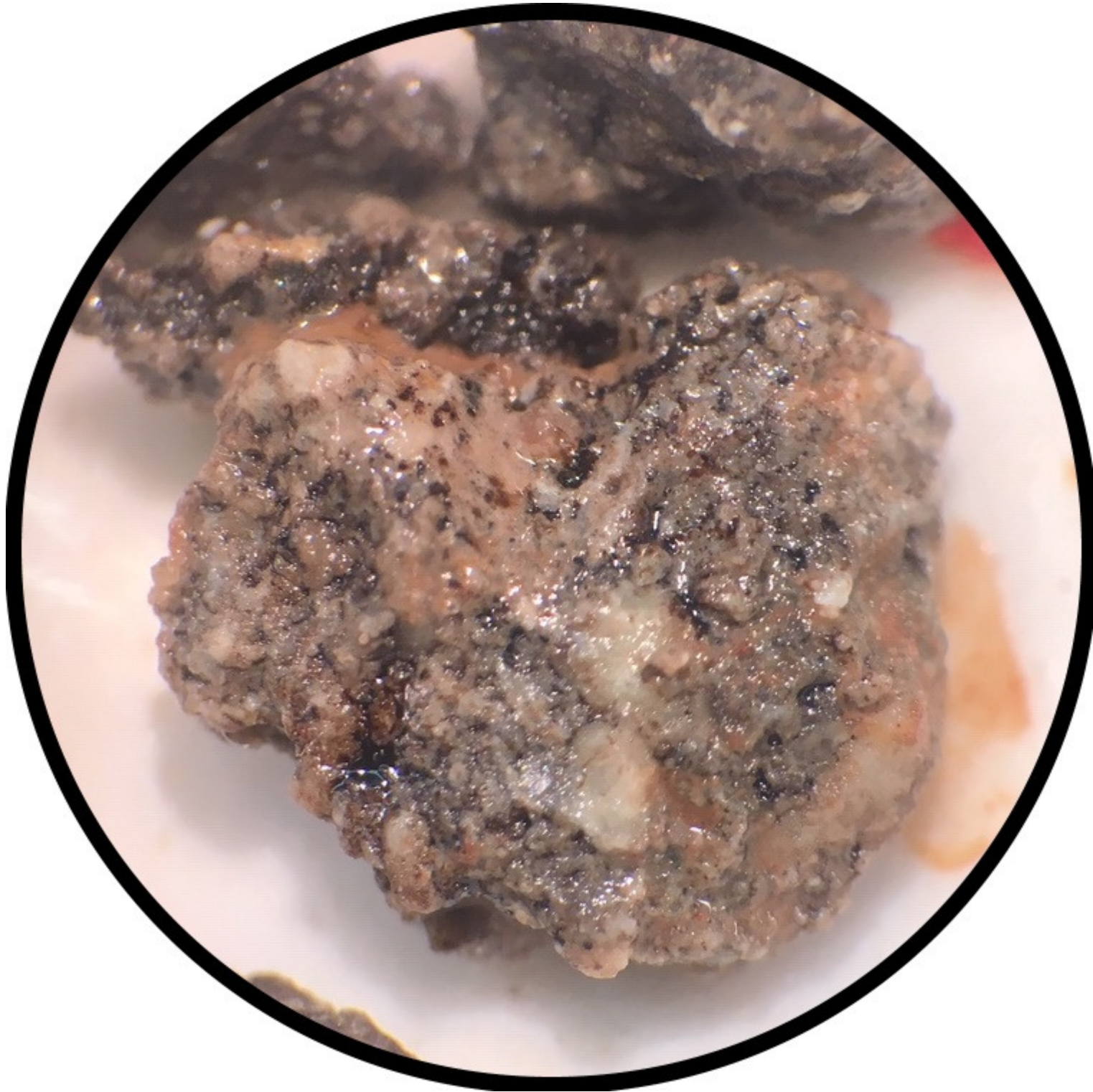


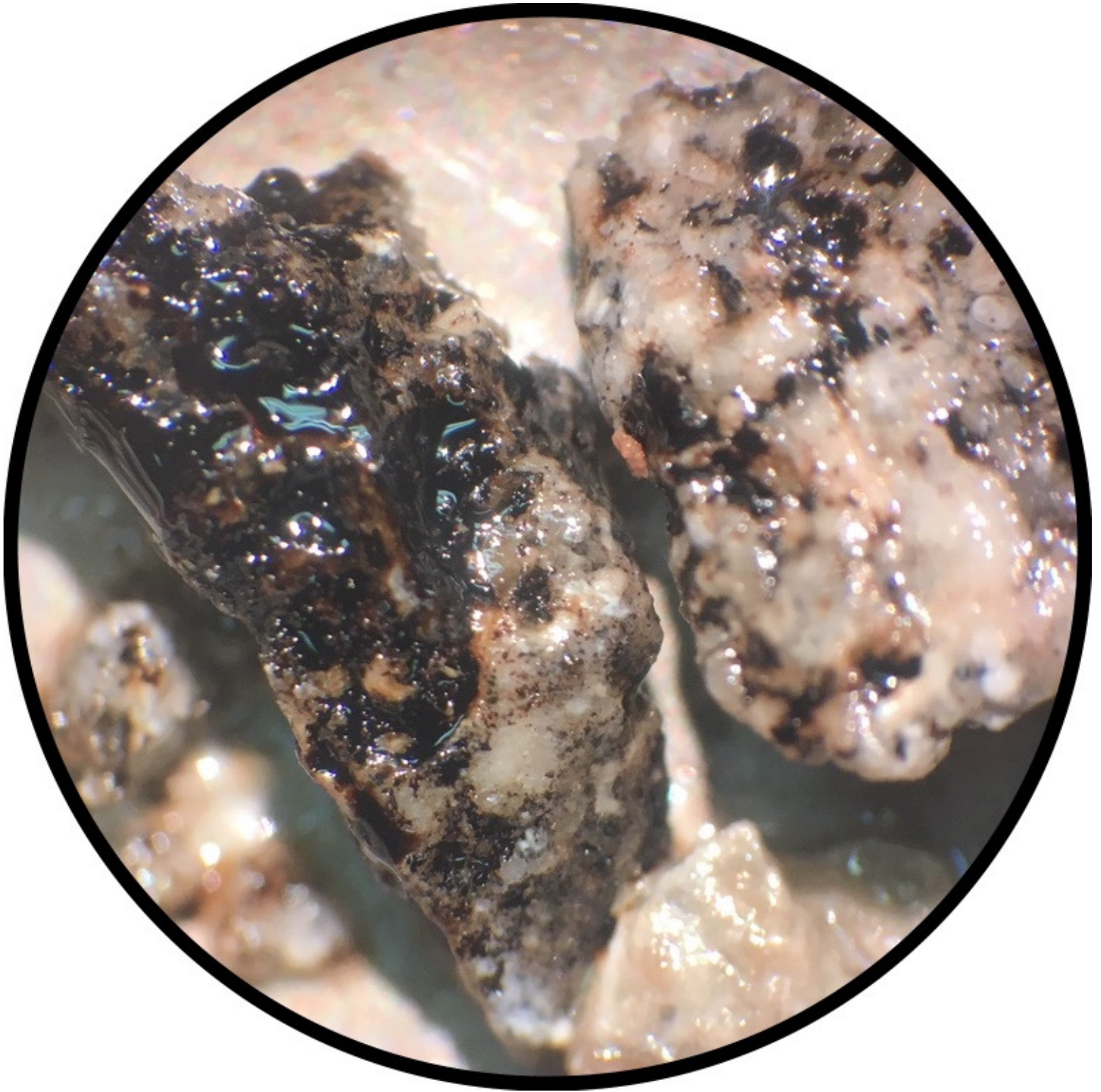
KS Drilling Technologies
Mud check 7/31/19
Depth: 4228' Btms Up: 40 min
Wt: 9.0 Vis: 46 Filt: 10.2
Cake: 1/32" LCM: 3# YP: 16
Chlor: 2000 ppm Grad: 0.468 psi/ft

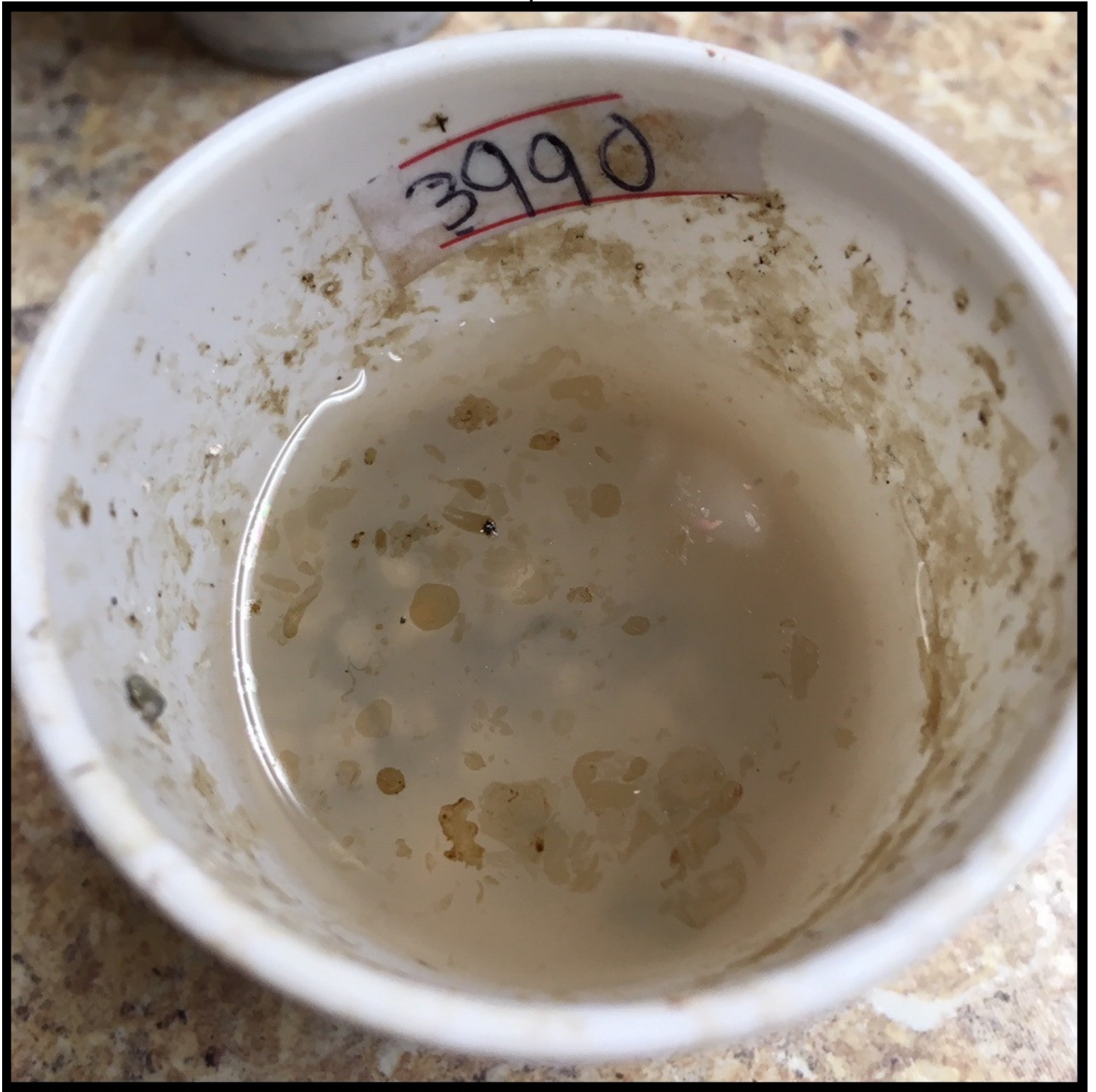
8/1/19 @ 4330'
Survey 0.5*
Pipe Strap - 0.62' long

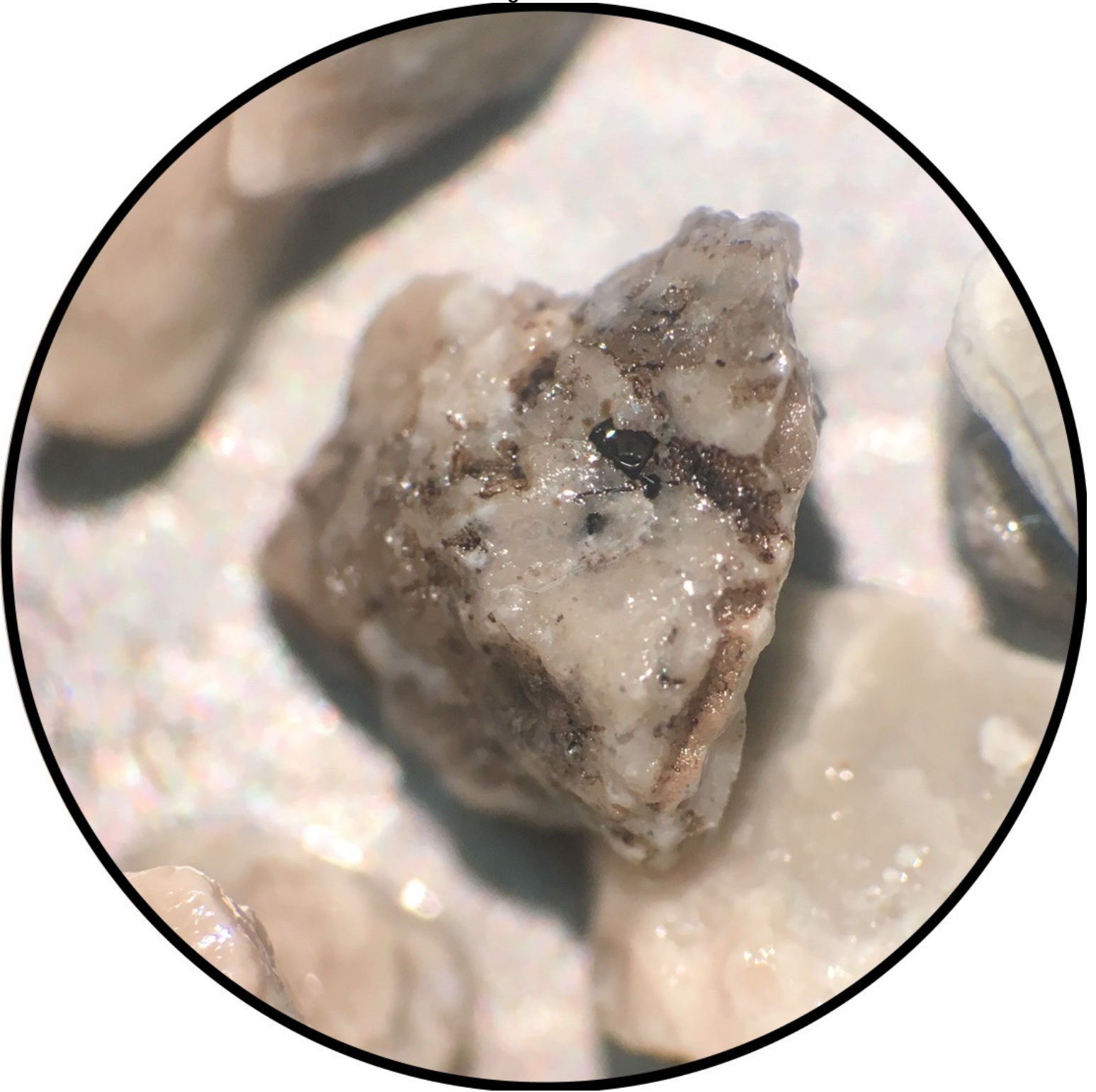




















TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Meridian Energy Inc.
1475 Ward Dr.
Franktown, CO 80116
ATTN: Maxwell LaFon

2/1s/35w Rawlins KS
Sabatka #1
Job Ticket: 64694 **DST#: 1**
Test Start: 2019.07.30 @ 05:15:00

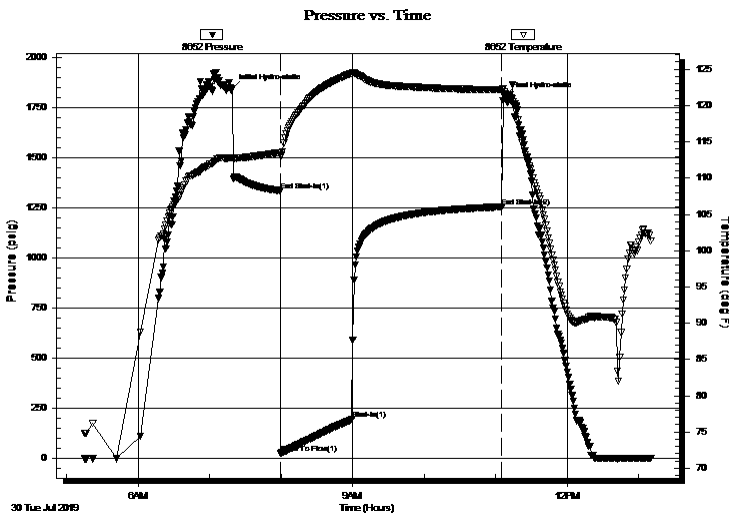
GENERAL INFORMATION:

Formation: **Oread**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:59:45
Time Test Ended: 13:10:15
Interval: **3850.00 ft (KB) To 3899.00 ft (KB) (TVD)**
Total Depth: 3899.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 3062.00 ft (KB)
3057.00 ft (CF)
KB to GR/CF: 5.00 ft
Test Type: Conventional Bottom Hole (Initial)
Tester: James Winder
Unit No: 83

Serial #: 8652 Outside
Press@RunDepth: 194.74 psig @ 3851.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.07.30 End Date: 2019.07.30 Last Calib.: 2019.07.30
Start Time: 05:15:05 End Time: 13:10:14 Time On Btm: 2019.07.30 @ 07:19:15
Time Off Btm: 2019.07.30 @ 11:07:15

TEST COMMENT: Tool didn't open - IF: Blow built to 1/8"
45 - IS: No blow back
60 - FF: Blow built to BOB (11") at 15 1/2 min., built to 39"
120 - FSI: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1843.76	112.82	Initial Hydro-static
40	1333.11	113.55	End Shut-In(1)
41	26.30	113.03	Open To Flow (1)
101	194.74	124.45	Shut-In(1)
226	1254.43	122.20	End Shut-In(2)
228	1805.83	121.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
382.00	MCW w/trace oil 87%w, 13%m	5.36

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Meridian Energy Inc.

2/1s/35w Rawlins KS

1475 Ward Dr.
Franktown, CO 80116

Sabatka #1

Job Ticket: 64694

DST#: 1

ATTN: Maxwell LaFon

Test Start: 2019.07.30 @ 05:15:00

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:

26000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
382.00	MCW w/trace oil 87%w, 13%m	5.358

Total Length: 382.00 ft Total Volume: 5.358 bbl

Num Fluid Samples: 0

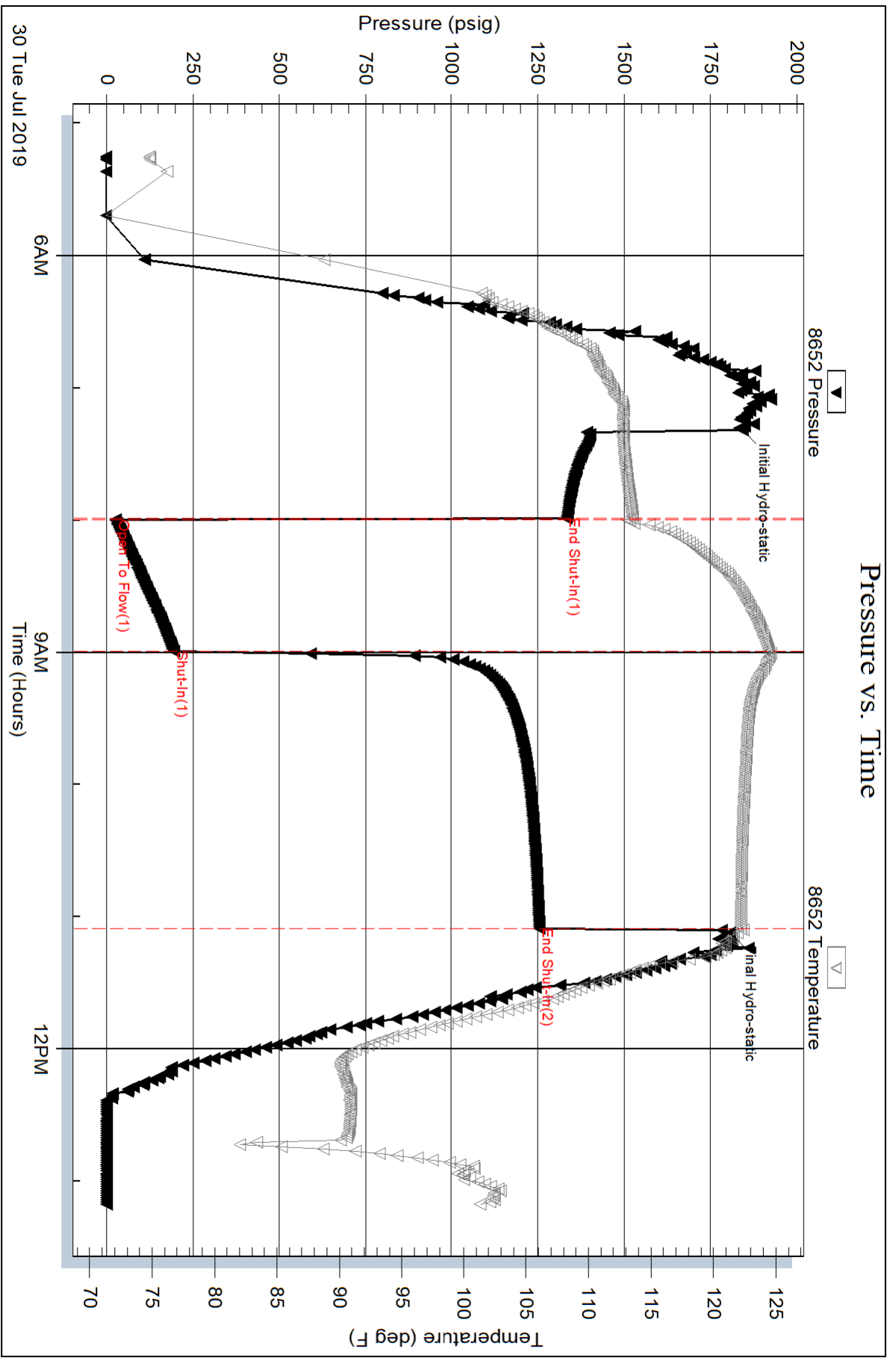
Num Gas Bombs: 0

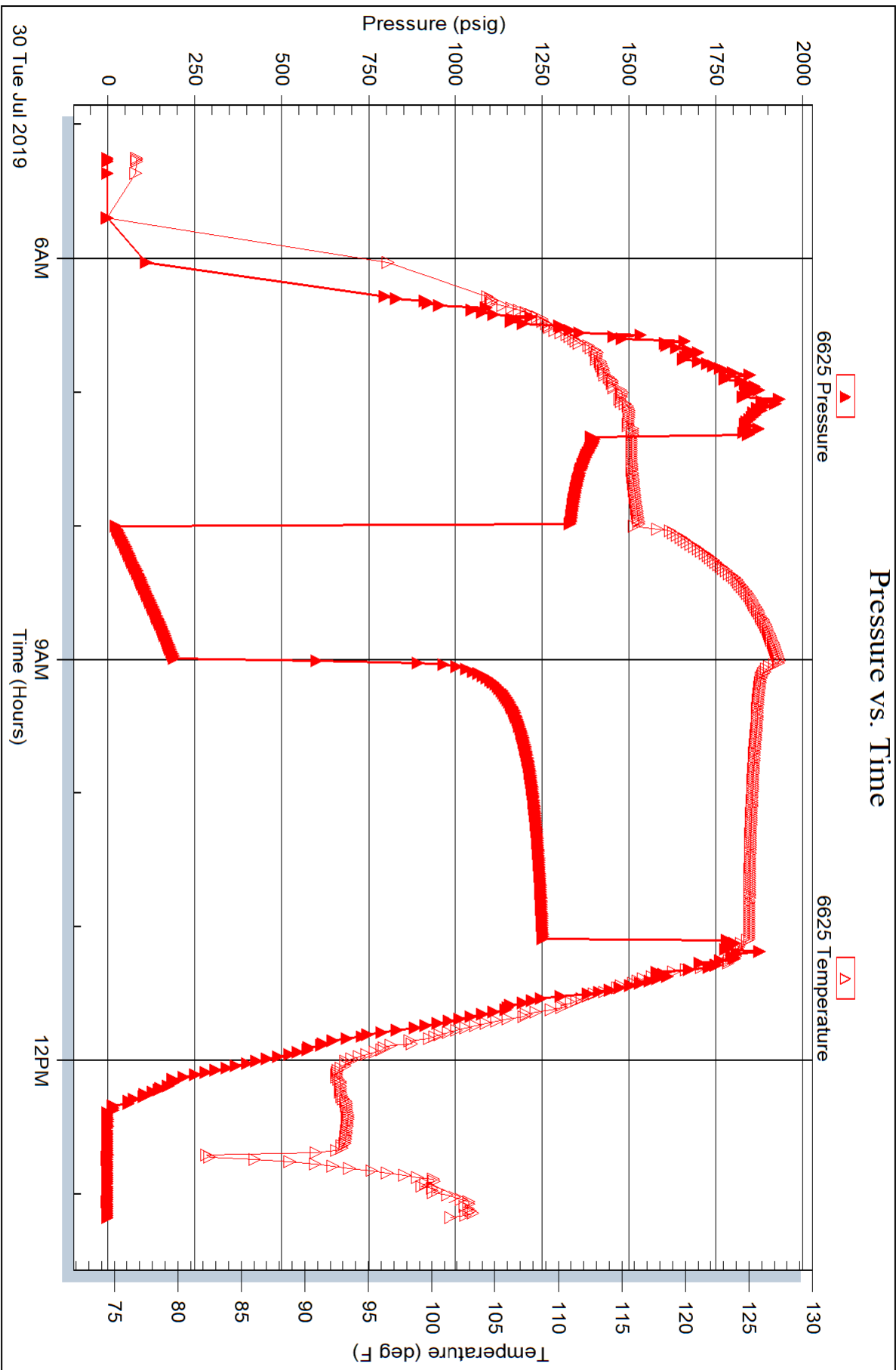
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .204 ohms @ 90.3 deg F Chlorides = 26,000 ppm





GLOBAL OIL FIELD SERVICES, LLC

13779

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell KS

DATE <u>7-25-19</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Sabotka</u>	WELL #. <u>1</u>	LOCATION <u>Near h. of Arwood 10 mls SW to RR</u>		COUNTY <u>Rauhaus</u>	STATE <u>KS</u>		
OLD OR NEW (CIRCLE ONE) <u>NEW</u>			<u>2 1/2 N Waserato</u>				

CONTRACTOR Flex Drilling Rig #1
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 221'
 CASING SIZE 8 3/8 DEPTH 222'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 25'
 PERFS
 DISPLACEMENT

OWNER Meridian Energy
 CEMENT AMOUNT ORDERED 175 sks com 3% gel

COMMON @
 POZMIX @
 GEL @
 CHLORIDE @
 ASC @
 HANDLING @
 MILEAGE @

EQUIPMENT
 PUMP TRUCK CEMENTER Cody
 # 909 HELPER Mark
 BULK TRUCK
 # 379 DRIVER TOM
 BULK TRUCK
 # DRIVER

REMARKS:

Ran 5 hrs of 8 3/8 casing + 4 1/2 hooked to rig + 1000 circulation hooked to truck + pumped 175 sks of cement + displaced 12.5 hrs of H2O + shut TN.

Cement Did Circulate to Surface

CHARGE TO: Meridian
 STREET
 CITY STATE ZIP

Global Oil Field Services, LLC
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME
 SIGNATURE Cliff Mayfield

TOTAL
 SERVICE
 DEPTH OF JOB
 PUMP TRUCK CHARGE
 EXTRA FOOTAGE @
 MILEAGE @
 MANIFOLD @
 TOTAL

PLUG & FLOAT EQUIPMENT
 @
 @
 @
 @
 TOTAL

SALES TAX (If Any)
 TOTAL CHARGES
 DISCOUNT IF PAID IN 30 DAYS