

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	SOLKO 1
Doc ID	1470837

Tops

Name	Top	Datum
Stone Corral	2650	+221
Neva	3246	-375
Red Eagle	3324	-454
Foraker	3372	-501
Topeka	3633	-762
Oread	3682	-811
Toronto	3750	-879
Lansing	3820	-949
BKC	4112	-1241

MAXWELL LAFON WELLSITE GEOLOGY**WELL INFO**

Well Name: Solko #1
 Location: NE SE SE SW sec. 19, T. 1S, R. 31W
 Footage: 2340' FEL, 500' FNL
 County/State: Rawlins Co., Kansas
 Field: Wildcat
 Coordinates: N 39.945495 , W 100.842697
 API #: 15-153-21234

Ground Elev: 2865' KB Elev: 2871'
 Logged Interval: 3000' - TD Total Depth: 4130'

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: 7/2/2019 Time: 7:30 PM
 TD Date: 7/10/2019 Time: 10:45 AM
 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	3696 - 3810	Toronto/Toronto'	125' MCW w/ tr Oil, 62' WCM w/ tr Oil, 45' M w/ tr Oil
2	3840 - 3910	Lansing B	42' GWOCM, 40' SW/MCO, 30' SMCO, 135' GIP
3	3806 - 3884	Lansing A	635' SMCW w/ tr Oil, 165' MCW w/ tr Oil
4	3986 - 4045	Lansing E	1' WCM
5	3932 - 4018	Lansing D	3' M

FORMATIONS

Formation	Depth - Samples	Depth - Logs	Subsea
Stone Corral	2653' (+218)	2650'	+221
Neva	3250' (-379)	3246'	-375
Red Eagle	3325' (-454)	3324'	-454
Foraker	3374' (-503)	3372'	-501
Topeka	3636' (-765)	3633'	-762
Oread	3689' (-818)	3682'	-811
Heebner	3706' (-835)	3700'	-829
Toronto	3759' (-888)	3750'	-879

Lansing A/KC	3829' (-958)	3820'	-949
Lansing B	3881' (-1010)	3871'	-1000
Lansing C	3928' (-1057)	3920'	-1049
Lansing D	3971' (-1100)	3968'	-1097
Lansing E	4016' (-1145)	4012'	-1141
Lansing F	4057' (-1186)	4054'	-1183
Base Lansing/KC	4111' (-1240)	4112'	-1241
TD	4130'	4130'	

ROCK TYPES










 Lmst fw<7	 Ss	 Shbck	 Slst
 Lmst fw7>	 Shgy	 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

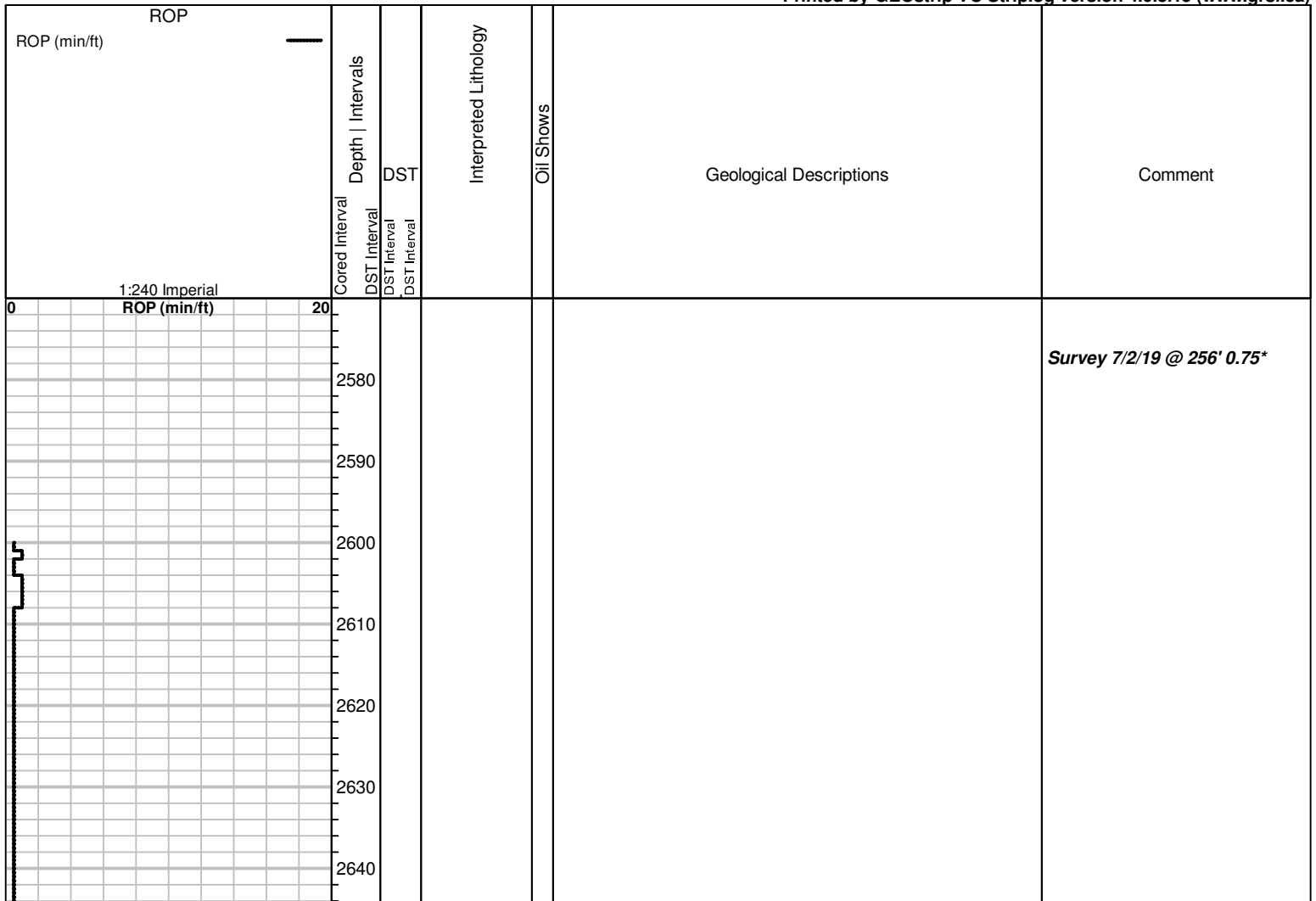
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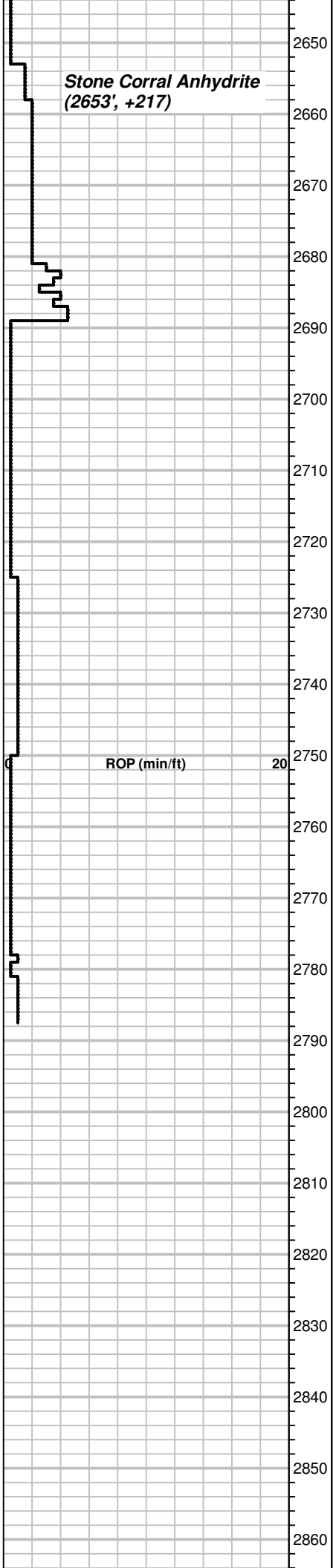
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-  Document
-  Folder
-  Link
-  Vertical Log File
-  Horizontal Log File
-  Core Log File
-  Drill Cuttings Rpt

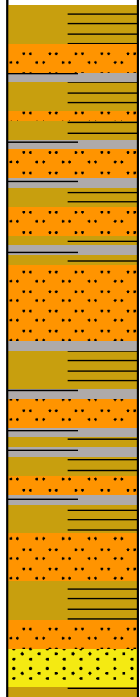
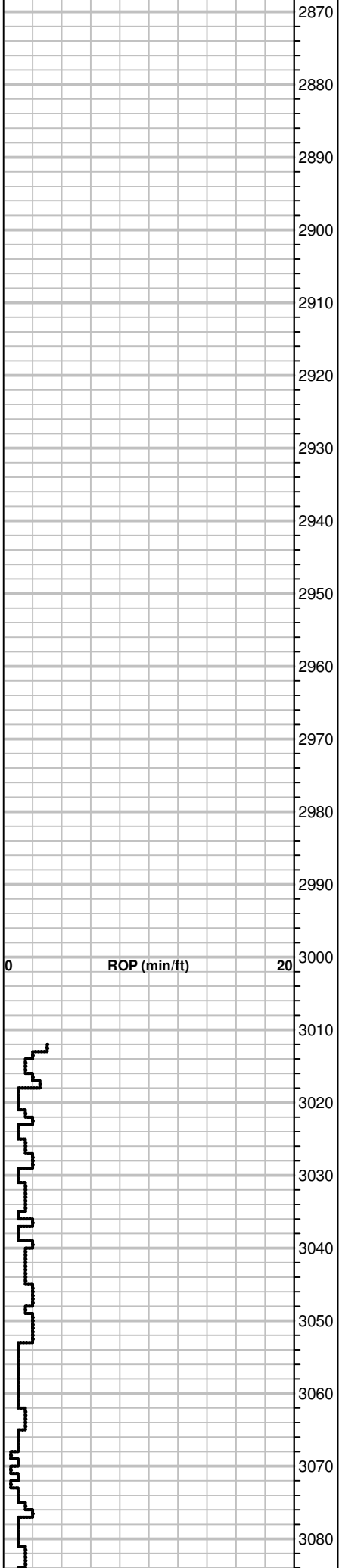
DST

-  DST Interval
-  DST Interval

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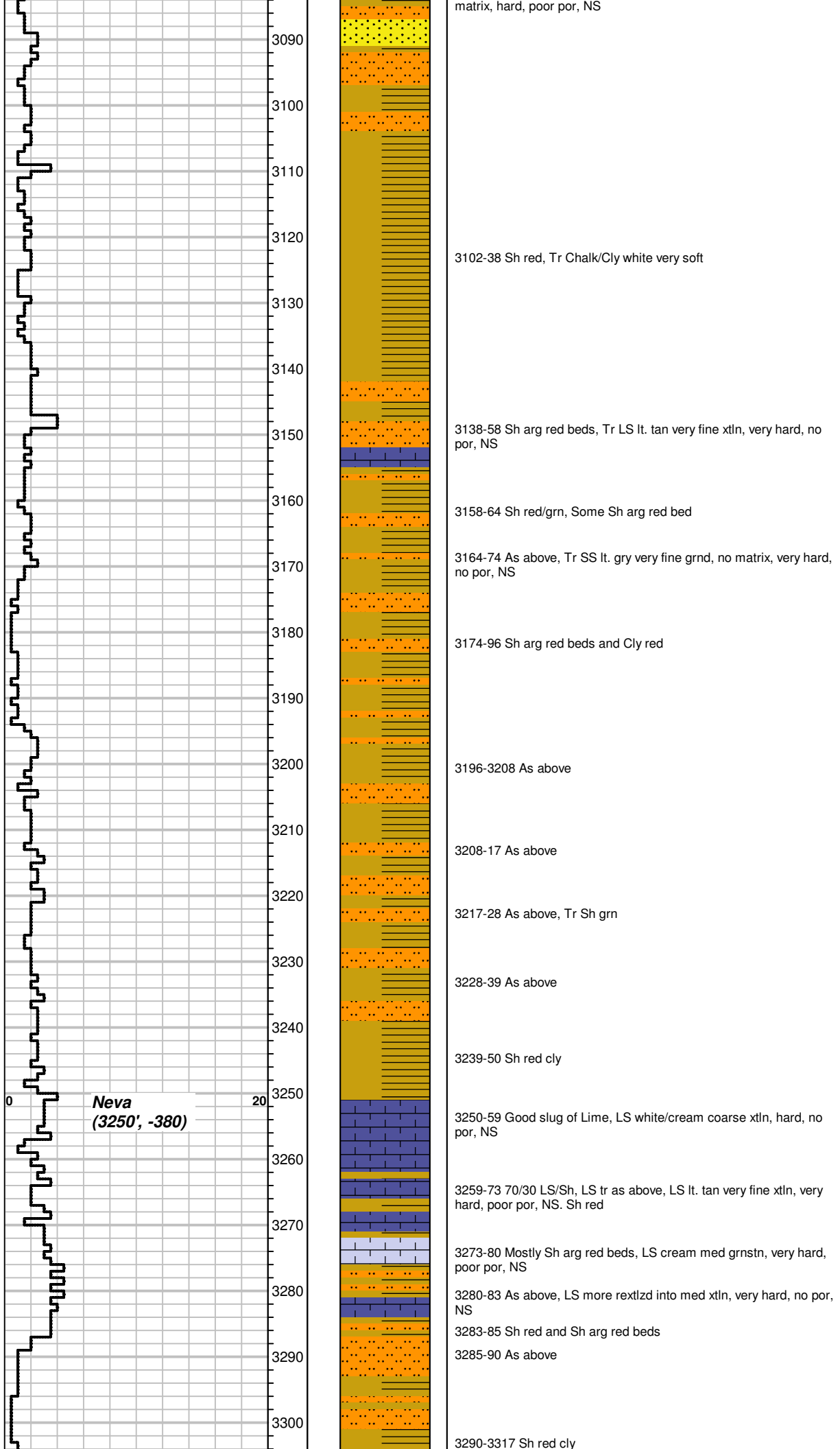
3012-41 Mostly Sh arg red bed, Tr Sh grn and gry

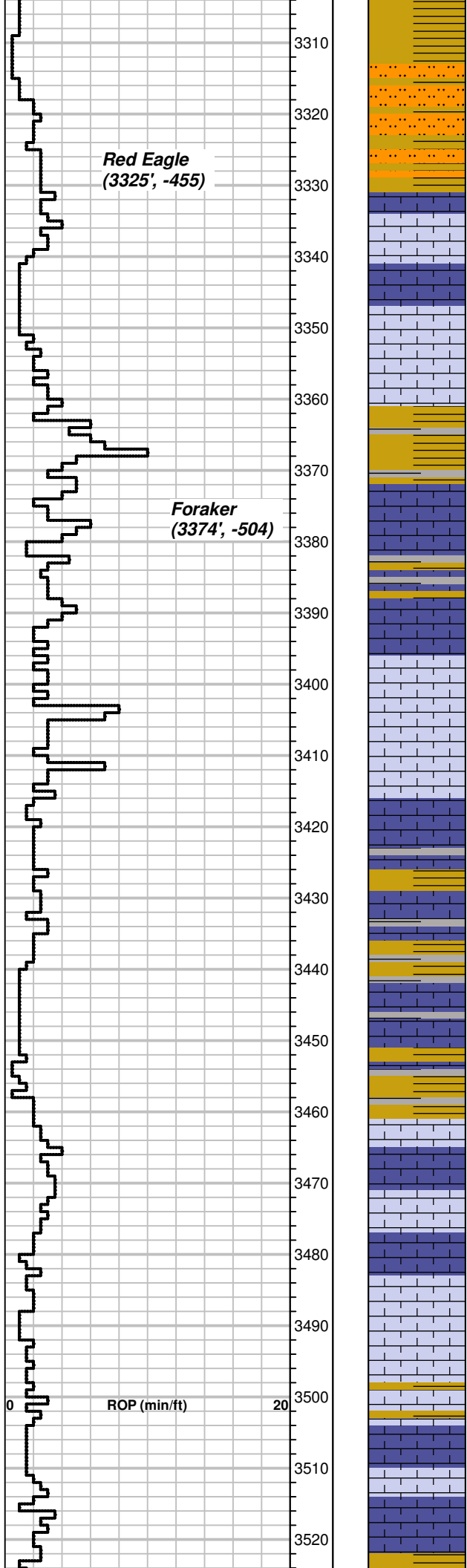
3041-67 As above

3067-3102 Sh arg red bed, Tr SS white very fine grnd, cloudy white

**Bit trip, swap PDC for cone
Survey 7/4/19 @ 3014' 1***

**KS Drilling Technologies
Mud check 7/5/19**
 Depth: 3025' Btms Up: 30 min
 Wt: 8.4 Vis: 80 Filt: 7.0
 Cake: 1/32" LCM: 2# YP: 20
 Chlor: 1000 ppm Grad: 0.437 psi/ft





3317-30 Sh red and Sh arg red beds

3330-34 Good slug of Lime, LS lt. gry very fine xtln, very hard, no por, NS. Tr Sh arg red

3334-46 LS lt. gry grnstn, very hard, no por, NS. Some LS lt. gry - gry xtln, very hard, no por, NS

3346-66 70/30 LS/Sh Ls gry grnstn, slightly friable, no por, NS. Sh red.

3366-72 As above, Tr Sh dk gry

3372-82 All LS lt. gry very fine sucrosic xtln, hard, no por, NS

3382-89 As above, Tr Sh red and dk gry

3389-3403 LS cream very fine xtln partly chlky, slightly friable, no por, NS. Also LS cream fine grnstn, hard, no por, NS. Tr LS dk gry fine xtln, very hard, no por, NS

3403-09 LS cream grnstn, very hard, no por, NS. LS gry - dk gry grnstn, very hard, no por, NS

3409-15 LS lt. gry partially fossiliferous fine grnstn, slightly friable, no por, NS

3415-25 Mixture of LS ranging from lt gry - gry - dk gry xtln and fine xtln, hard, no por, NS

3425-30 As above, Also Sh red and Tr Sh dk gry

3430-35 As above

3435-58 Some Sh red and dk gry, LS cream microxtln, very hard, no por, NS

3458-68 LS gry fine grnstn, very hard, no por, NS. LS gry/brwn w/ purple, med xtln, very hard, NS

3468-73 LS gry very fine xtln slightly friable, no por, NS. LS cream fine - med grnstn, hard, no por, NS

3473-81 LS cream from above. LS gry/brwn dirty xtln, very hard, no por, NS

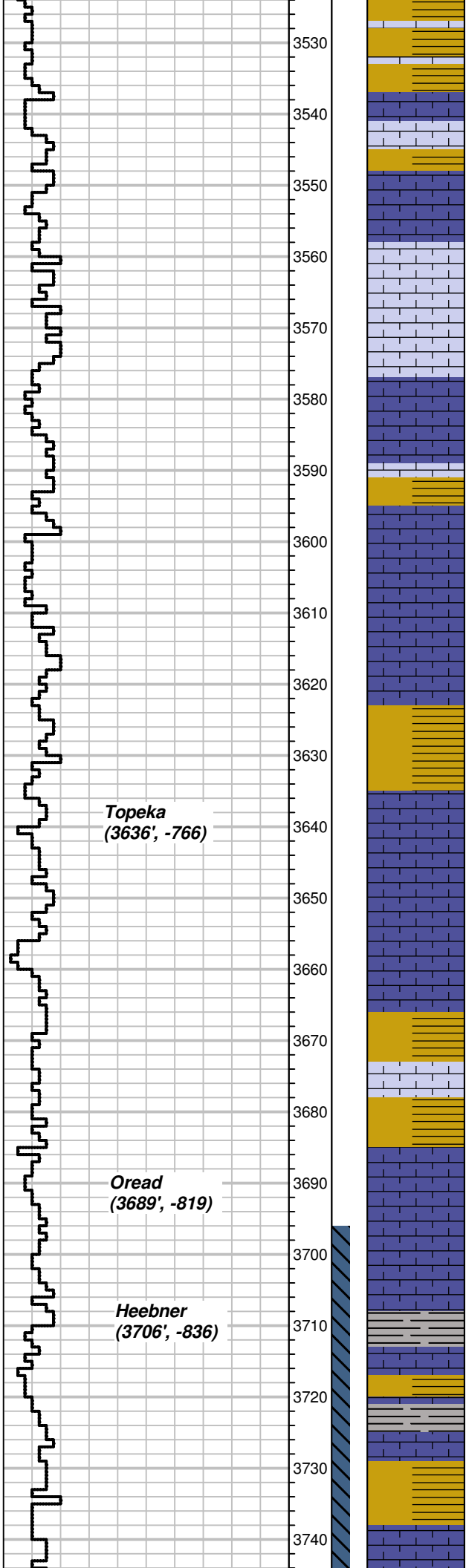
3481-91 LS tan fine grnstn, very hard, no por, NS. LS gry/brwn dirty from above

3491-3504 LS cream fine - med grnstn, hard, no por, NS. Tr Sh red

3504-14 LS gry xtln, very hard, no por, NS. Some LS cream as above

3514-23 Sh gry LS lt. gry/brwn dirty coarse xtln, very hard, no por, NS

KS Drilling Technologies
Mud check 7/6/19
 Depth: 3518' Btms Up: 34 min
 Wt: 8.8 Vis: 44 Filt: 10.0
 Cake: 1/32" LCM: 2# YP: 15
 Chlor: 2000 ppm Grad: 0.458 psi/ft



3523-37 Sh red cly. Trace LS lt. tan fine grnstn, very hard, no por, NS

3537-48 LS gry xtlN very hard, no por, NS. LS cream fine fossiliferous grnstn, very hard, no por, NS. Tr Sh red and brwn

3548-60 LS gry - lt. gry - purple xtlN very hard, no por, NS. Tr LS cream fine xtlN, very hard, no por, NS

3560-69 Tr LS gry - lt gry as above, Mostly LS cream grnstn prtly rextlzd, very hard, no por, NS

3569-77 LS cream lt. tan grnstn partially rextlzd, very hard no por, NS

3577-88 LS gry xtlN very hard, no por, NS. Some LS grnstn from above, Some LS gry/purple arg xtlN, dirty, very hard, no por, NS

3588- 95 As above, Also Sh red

3595-3608 LS white/lt. gry xtlN, very hard, no por, NS. LS gry fine xtlN, very hard, no por, NS

3608-19 LS white microxtln, very hard, no por, NS. LS white/cream med-coarse xtlN very hard, no por, NS. Trace LS white med grnstn partly rextlzd, very hard, no por, NS

3619-27 As above, 50/50 LS/Sh red

3627-37 Sh red and LS gry/red arg xtlN, very hard, no por, NS. transitional facies

3637-45 As above, Also LS gry microxtln, very hard, no por, NS

3645-55 As above

3655-66 As above, Mostly LS arg xtlN

3666-74 Mostly Sh red and Cly red

3674-84 LS lt. tan fine grnstn, slightly friable, poor por, NS. Chalk white, Sh red

3684-97 LS white med xtlN, very hard, no por, NS. Oread, good slug Lime

3697-3704 As above, Also LS cream fine - med xtlN, very hard, no por, NS

3704-16 As above, Some LS gry microxtln, very hard, no por, NS. Some Sh red cly

3716-27 As above, Tr Sh blk, Heebner? not blocky

3727-41 Sh rust. LS cream xtlN, very hard, no por, NS. Tr LS gry microxtln, very hard, no por, NS

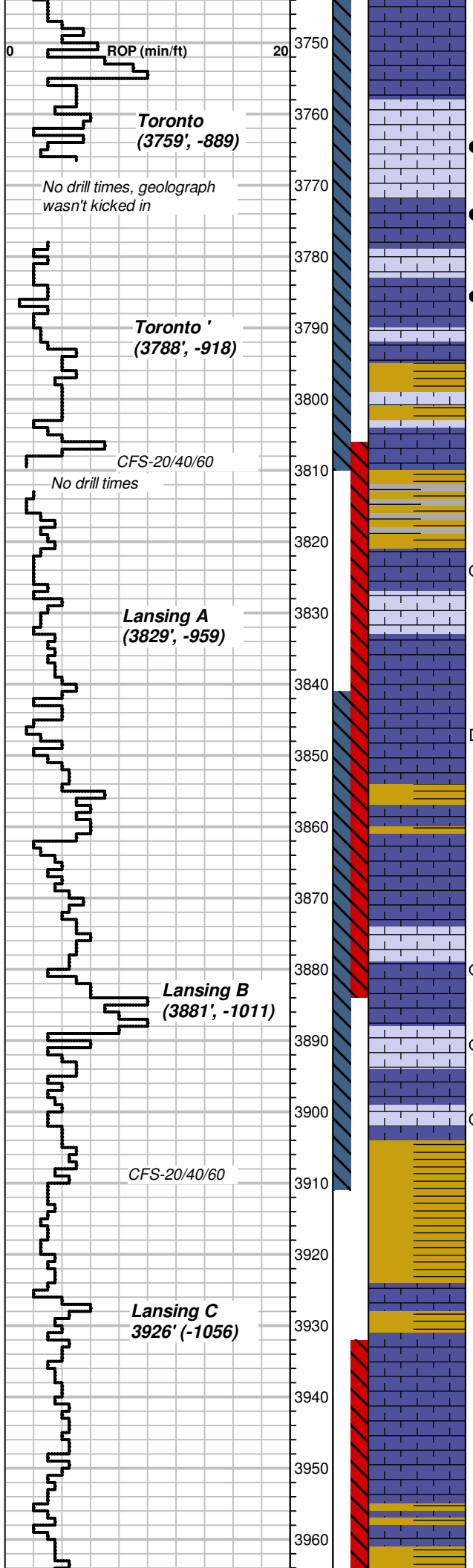
Topeka
(3636', -766')

Oread
(3689', -819')

Heebner
(3706', -836')

DST #1 (3700-3810)
Toronto/Toronto'
2-45-60-90
Recovery: 125' MCW w/ tr
Oil, 62' WCM w/ tr O, 45' M w/
tr Oil
IF: 23-29 SF: 35-129
Shut Ins: 1223/1142

2" IF - Built to 3"
45" ISI - Blow back built to 1/8"
60" FF - BOB in 26 min, built to
22.5"
90" FSI - No blow back
Rw: 0.210 ohms @ 86.4 deg
Chlorides: 27,000 ppm



3741-54 Good slug Lime. LS lt. gry micro - xtln, very hard, no por, NS

3754-58 LS lt. gry - gry microxtln, All Lime, good slug

3758-68 LS white grnstrn, fair - good intrgrnlr por, friable, weak odor, oil filled pores, great sat, heavy and dark oil, limited free oil. Lots of oil scum and heavy oil in cup, not forming droplets, LS lt. gry microxtln w/ small vugs, sparse show free oil in some vugs

3768-78 Some LS as above w/ show. Mostly LS white xtln, hard, no por, NS

3778-90 LS lt. gry-grn microxtln, very hard, no por, NS. Trace LS white grnstrn w/ bleeding free oil show, same heavy dark oil from above but more moveable, faint odor, good show, great sat.

3790-3800 LS lt. gry - gry microxtln, very hard, no por, NS. Trace Sh red

3800-05 As above

3805-10 LS lt. gry microxtln very hard, no por, NS.

3810-17 Sh red/grn/dk gry

3817-30 Sh red, Mostly LS lt. tan/cream microxtln, very hard, no intrxtln por, very sparse samples w/ small - med vugs, oil stain present and heavy tarry oil - moveable free oil, some drops in cup, doesn't looks like free oil. Few cuttings LS white grnstrn friable, fair por, dead light oil in pores, NSFO

3830-39 LS lt. gry microxtln, very hard, no por, NS. One cutting w/ dead show from above

3839-54 As above, Tr LS white chalky xtln w/ dead bitumen layers, NSFO

3854-61 Some Sh red and gry, LS lt gry - gry microxtln, very hard, no por, NS

3861-73 Sh grn, LS lt. gry xtln, hard, no por, NS. LS microxtln from above

3873-85 Good slug lime, LS lt. tan - lt. gry microxtln, very hard, no por, NS. LS lt. gry grnstrn, hard, very poor por, looks tight, sparse show free oil, doesn't bleed much when crushed, bound in porosity, slight odor, poor - fair show

3885-91 LS cream micltxtln, no intrxtln por, med vugs w/ oil staining, no free oil seen in vugs however few oil drops and scum in cup, fair - good odor in cup, LS white fine grnstrn friable, poor intrgrnlr por, oil drops present when crushed, fair show

3891-3901 LS white/lt. gry xtln, very hard, no por, NS. Some LS grnstrn w/ show from above

3901-07 LS lt. gray opaque microxtln, very hard, no por, NS. Sh red

3907-10 As above, more Sh

3912-21 Sh red and tr grn

3921-31 60/40 Sh/LS. Sh as above, LS lt. gry fine xtln, very hard, no por, NS. Some cuttings friable, no por, NS

3931-42 Good slug lime. LS lt. gry microxtln, very hard, no por, NS. LS gry xtln, very hard, no por, NS

3942-50 As above

3950-60 LS xtln, very hard, no por, NS. Tr Sh red

DST #1 - Solko 1.pdf

Toronto - 3768'.JPG

Toronto' - 3790'.JPG

Wt: 9.1
Vis 50
LCM 1 #

Survey 7/7/19 @ 3810' 3/4"
Pipe Strap 1.54' Long
KS Drilling Technologies
Mud check 7/7/19
Depth: 3810' Btms Up: 36 min
Wt: 9.1 Vis: 57 Filt: 9.2
Cake: 1/32" LCM: 1.5# YP: 15
Chlor: 2000 ppm Grad: 0.473 psi/ft

Lansing A - 3830.JPG

DST # 3 (3806-3884)
Lansing A
2-45-60-120
Recovery: 635' SMCW w/ tr Oil, 165' MCW w/ tr Oil
IF: 44-58 SF: 72-396
Shut Ins: 1269/1239

2" IF - Built to 7"
45" ISI - Surface Blow back
60" FF - BOB in 11 min, built to 82.5"
90" FSI - No blow back
Rw: 0.140 ohms @ 65.4 deg
Chlorides: 60,000 ppm

DST #3 - Solko 1.pdf

Lansing B - 3885'.JPG

Lansing B - 3891'.JPG

DST # 2 (3840-3910)
Lansing B
2-45-60-90
Recovery: 42' GWOCM, 40' SW/MCO, 30' SMCO, 135' GIP
IF: 20-23 SF: 27-58
Shut Ins: 963/927

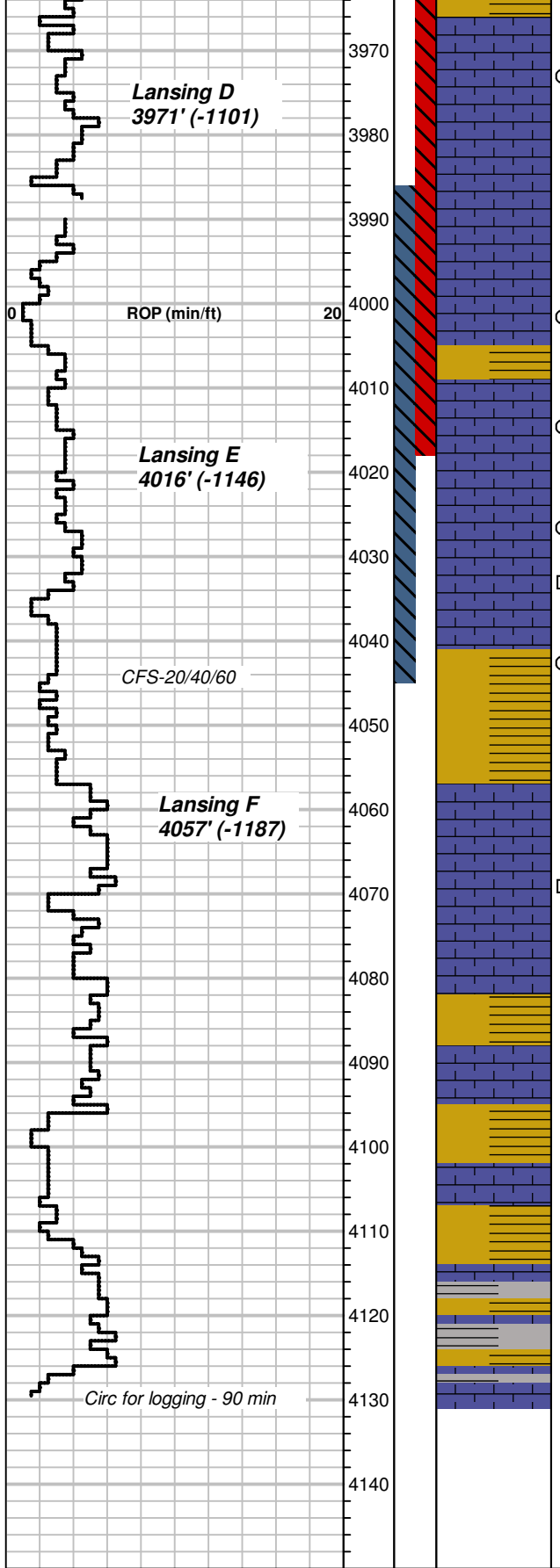
2" IF - Built to 1.5"
45" ISI - Blow back built to 1/8"
60" FF - BOB in 26.5 min, built to 22"
90" FSI - No blow back
Oil gravity: 27.8 API

DST #2 - Solko 1.pdf

KS Drilling Technologies
Mud check 7/9/19
Depth: 3950' Btms Up: 37 min
Wt: 8.9 Vis: 51 Filt: 8.8
Cake: 1/32" LCM: 1.5# YP: 15
Chlor: 3000 ppm Grad: 0.463 psi/ft

DST # 5 (3932-4018)
Lansing D
2-45-45-60
Recovery: 3" M
IF: 19-20 SF: 21-23
Shut Ins: 249/74

2" IF - Built to 0.5"
45" ISI - No Blow back



3960-69 Sh red. LS tan coarse xtn, very hard, no por, NS.

3969-79 LS from above, LS cream fine microxtln, very hard, no por, NS. LS cream med xtn, friable, poor intrxtln por, small vugs w/ oil stain, very few cuttings w/ show, looked at 4 trays and found 2 cuttings w/ show

3979-86 LS lt. gry/gry med xtn, very hard, no por, NS

3986-94 LS as above, LS cream microxtln, very hard, no por, NS

3994-4009 LS lt. tan microxtln, very hard, no intrxtln por, streaky vugs w/ oil stain, LS gry fossiliferous grnstrn, very hard, no por, NS, Sh red

4009-21 LS lt tan fine grnstrn, slightly friable, fair por, NS. LS cream - lt. tan microxtln, very hard, no por, NS, LS lt. gry fine - med xtn, very poor intrxtln por, very hard, bleeding oil when crushed. LS lt. gry fine xtn, very hard, poor intrxtln por, lots of oil staining, some free oil drops when crushed, all shows sparse

4021-29 Same LS fine xtn as above, similar show. Mostly LS cream microxtln, very hard, no intrxtln por, some med streaky vugs in some cuttings, oil stain, no free oil

4029-33 LS white microxtln, very hard, no por. Few cuttings w/ dead tarry bitumen stain, NSFO

4033-40 LS lt. gry microxtln, very hard, no por, NS. Pyrite

4040-45 LS as above, some with small dense pinpoint vugs and oil stain, NS. Also Sh red

4045-52 Sh red/dk gry

4052-64 Some Sh red/dk gry, Mostly LS cream microxtln very hard, no por, NS. LS tan/brwn microxtln, very hard, no por, NS

4062-73 LS lt. gry/blue, xtn, very hard, no por, NS, LS cream microxtln, very hard, no por, some w/ dead bitumen stain, NSFO

4073-83 LS lt. gry - white microxtln, very hard, no por, NS

4083-90 50/50 Sh red/dk gry, LS gry xtn very hard, no por, NS.

4090-96 50/50 Sh red/dk gry, LS cream fine xtn, slightly friable, no por, NS.

4096-4114 LS cream - lt. tan microxtln, very hard, no por, NS, Some Sh red/dk gry

4114-21 LS lt. gry microxtln, very hard, no por, NS. Sh dk gry

4121-25 As above, Also Sh red

4125-30 As above

Driller TD 4130'
Logger TD 4130'

45" FF - No Blow
60" FSI - No blow back

DST #5 - Solko 1.pdf

Lansing D - 3979'.JPG

*** Connection at 3894' had a 2' error on board. Interval 3894' to 3990' shifted 2' higher due to error. 2' of drill time omitted from ROP curve at 3894' and 2' at 3988' was drilled w/o geologist to correct error.**

Lansing E - 4021'.JPG

Lansing E - 4022'.JPG

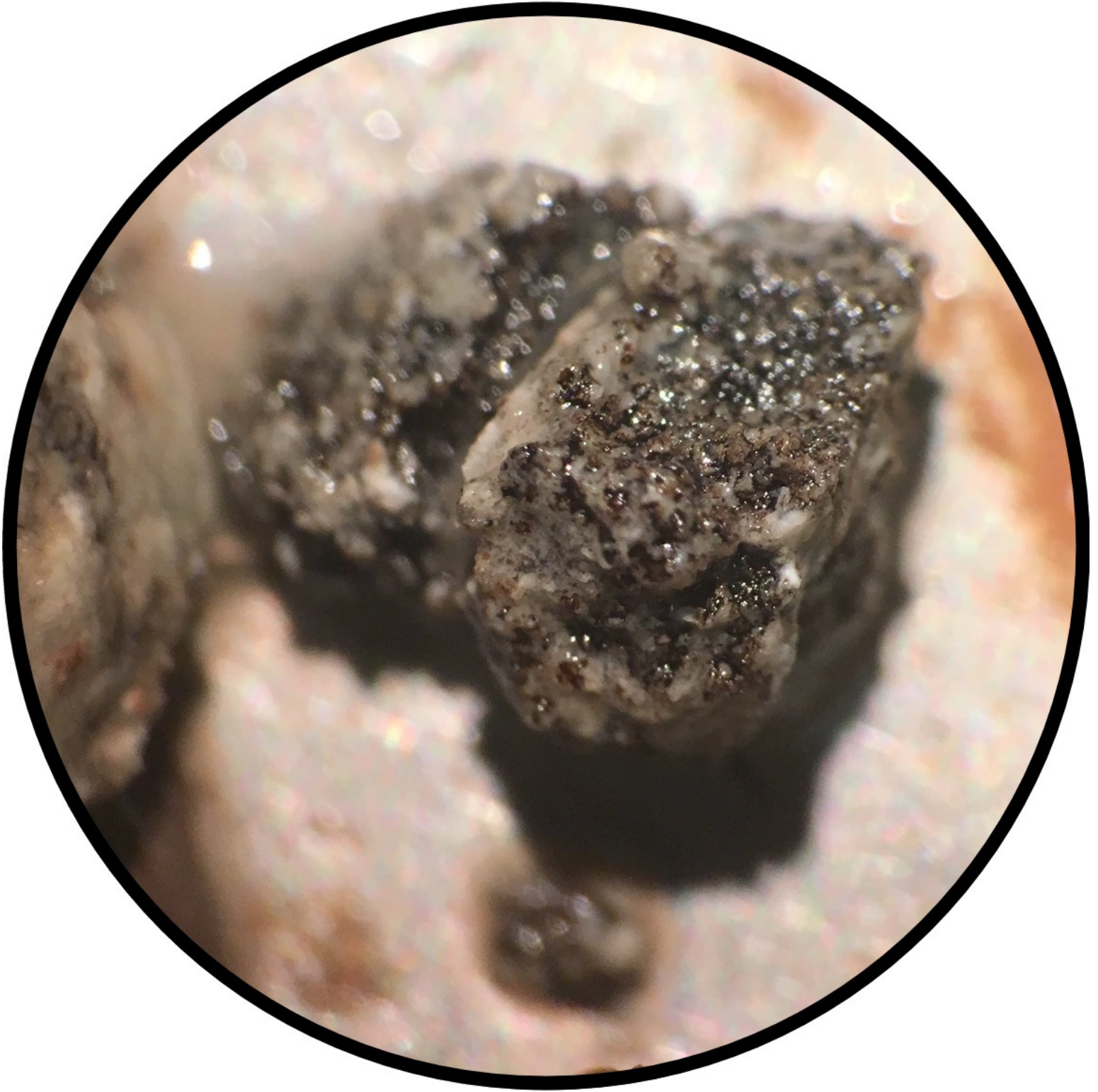
DST # 4 (3986-4045)
Lansing E
2-45-45-60
Recovery: 1' WCM
IF: 18-17 SF: 17-18
Shut Ins: 353/59

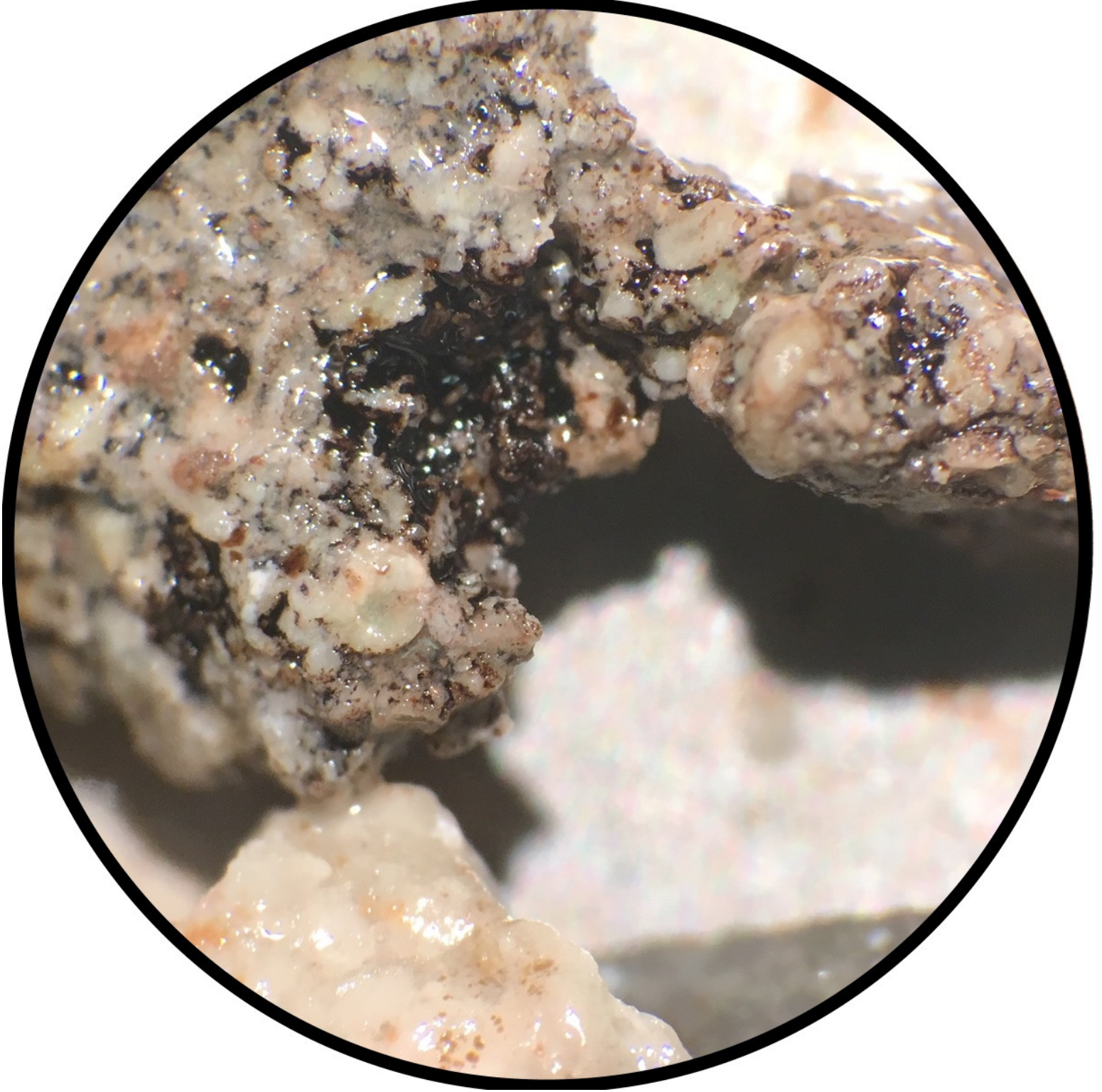
2" IF - Built to 1/8"
45" ISI - No blow back
60" FF - No blow
90" FSI - No blow back
Rw: 0.557 ohms @ 69.1 deg
Chlorides: 12,000 ppm

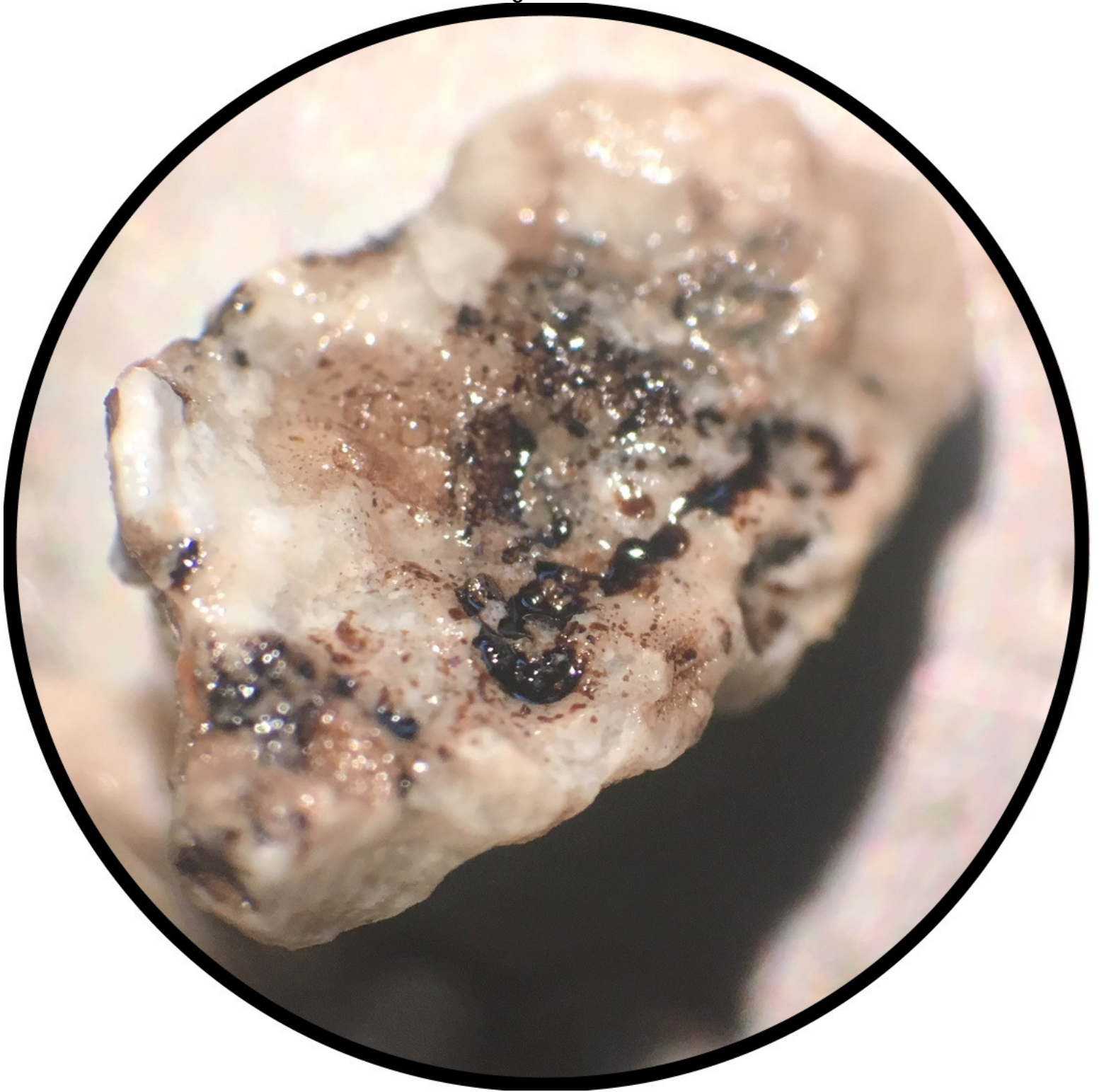
DST #4 - Solko 1.pdf

KS Drilling Technologies
Mud check 7/10/19
Depth: 4130' Btms Up: 39 min
Wt: 9.2 Vis: 50 Filt: 9.6
Cake: 1/32" LCM: 1.5# YP: 15
Chlor: 3000 ppm Grad: 0.478 psi/ft

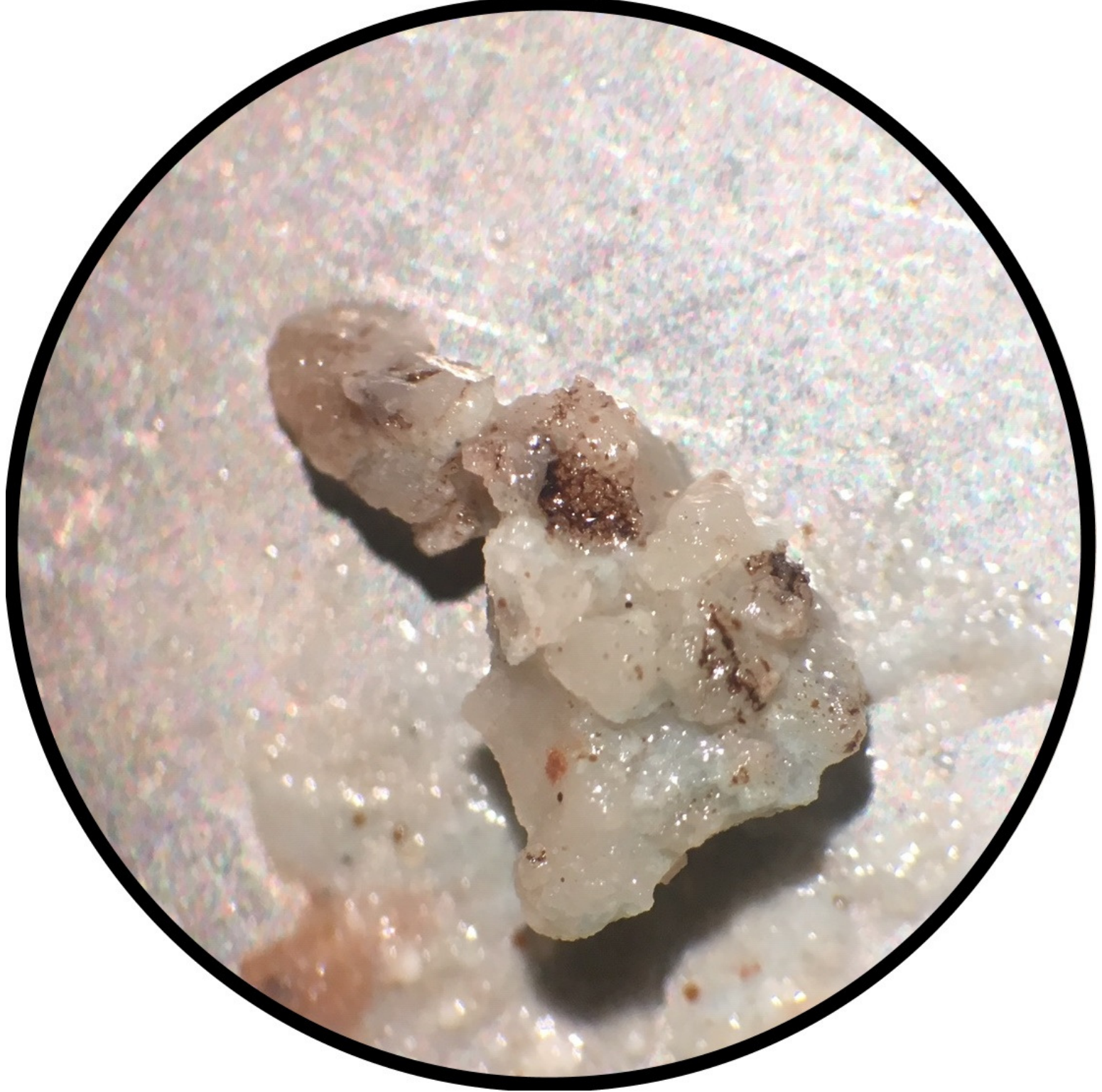
7/10/19 @ 4130'
Survey 1*
Pipe Strap - 0.27' long



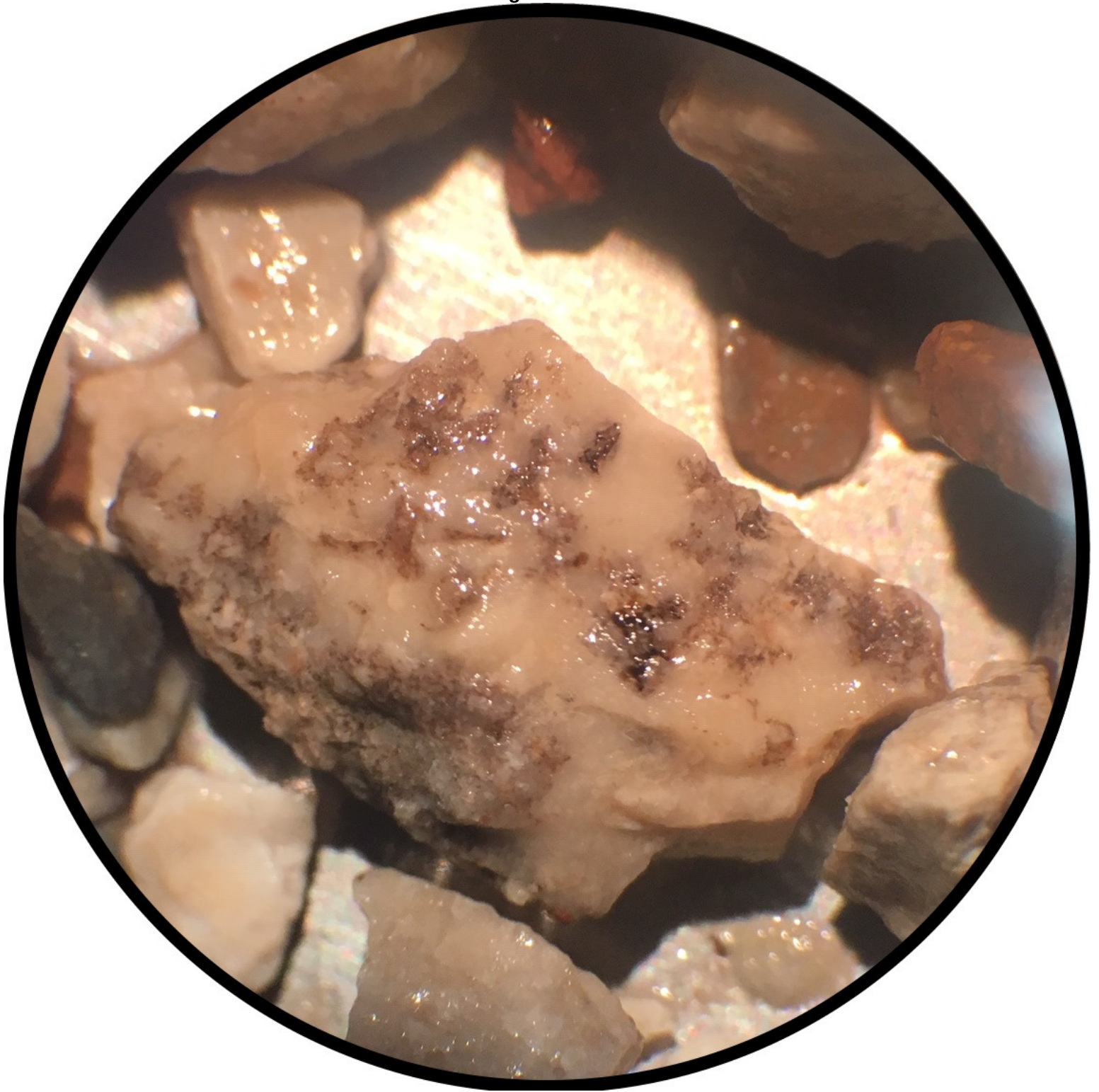




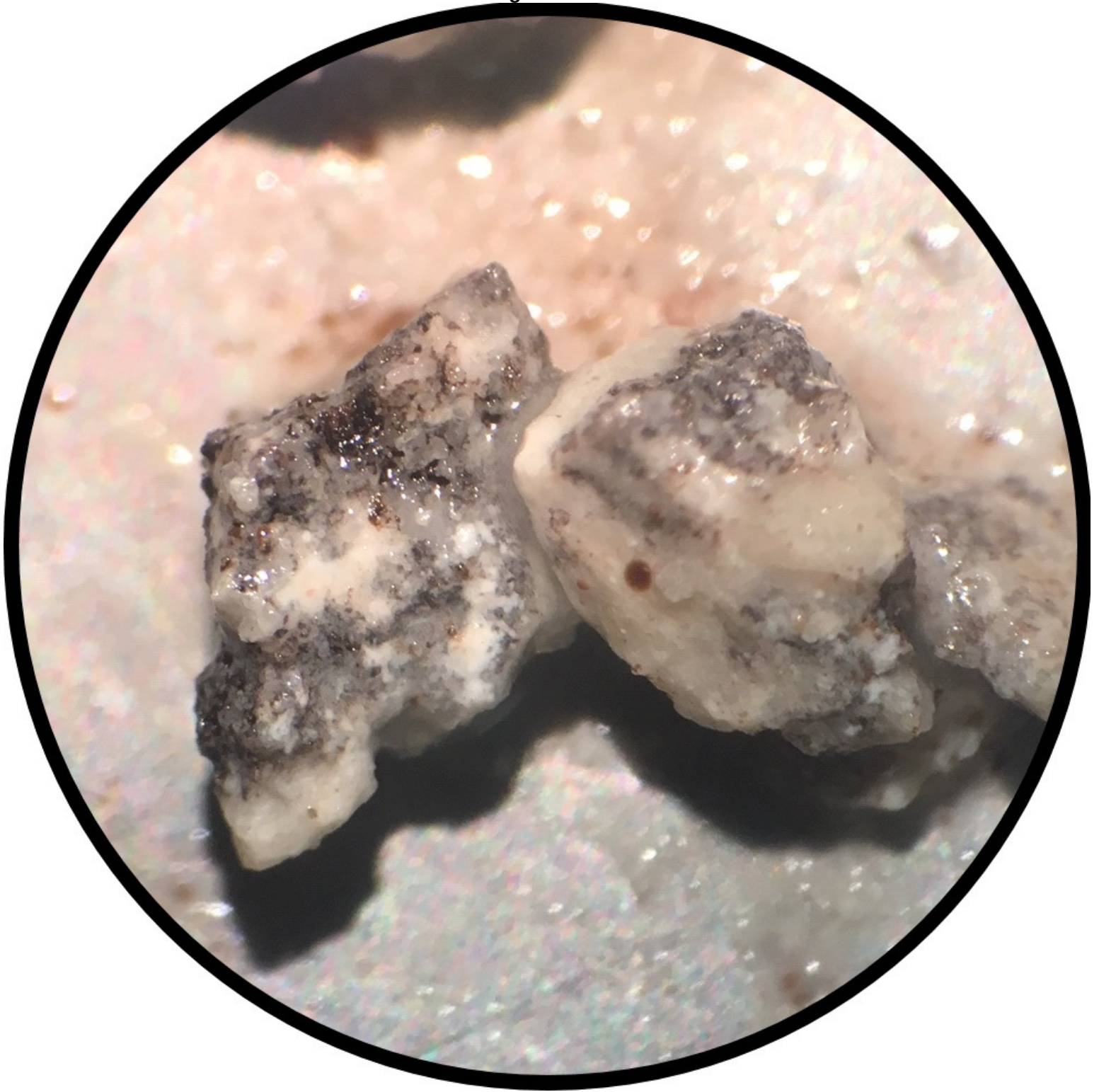




Lansing D - 3979'.JPG









TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

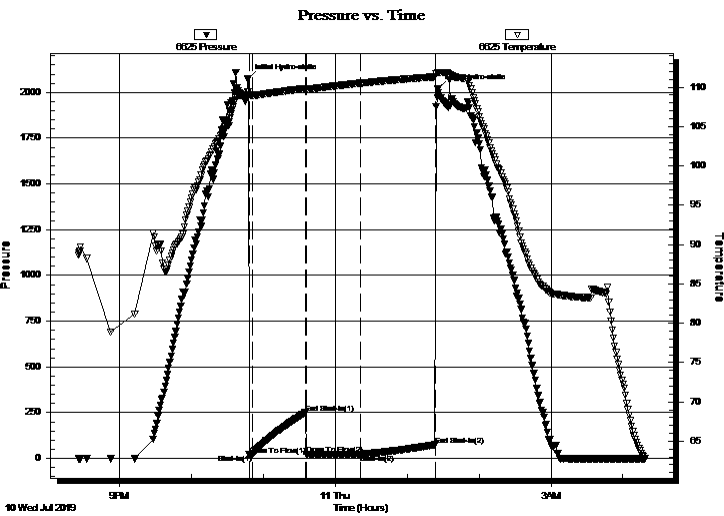
19/1s/31w Rawlins, KS
Solko #1
 Job Ticket: 64690 **DST#: 5**
 Test Start: 2019.07.10 @ 20:26:00

GENERAL INFORMATION:

Formation: **Lans. "D"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Straddle (Reset)
 Time Tool Opened: 22:48:15 Tester: James Winder
 Time Test Ended: 04:18:30 Unit No: 83
 Interval: **3932.00 ft (KB) To 4018.00 ft (KB) (TVD)** Reference Elevations: 2870.00 ft (KB)
 Total Depth: 4130.00 ft (KB) (TVD) 2865.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 6625 Inside
 Press@RunDepth: 23.28 psig @ 3933.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.07.10 End Date: 2019.07.11 Last Calib.: 2019.07.11
 Start Time: 20:26:05 End Time: 04:18:29 Time On Btm: 2019.07.10 @ 22:48:00
 Time Off Btm: 2019.07.11 @ 01:25:45

TEST COMMENT: 2 - IF: Blow built to almost 1/2"
 45 - IS: No blow back
 45 - FF: No blow
 60 - FS: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2073.92	109.43	Initial Hydro-static
1	19.90	109.08	Open To Flow (1)
4	20.02	108.97	Shut-In(1)
47	249.65	109.85	End Shut-In(1)
48	21.32	109.87	Open To Flow (2)
93	23.28	110.51	Shut-In(2)
156	74.85	111.32	End Shut-In(2)
158	2022.40	111.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100%	0.04

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Meridian Energy Inc.

19/1s/31w Rawlins, KS

1475 Ward Dr
Franktown, CO 80116

Solko #1

Job Ticket: 64690

DST#: 5

ATTN: Maxwell LaFon

Test Start: 2019.07.10 @ 20:26:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Mud 100%	0.042

Total Length: 3.00 ft Total Volume: 0.042 bbl

Num Fluid Samples: 0

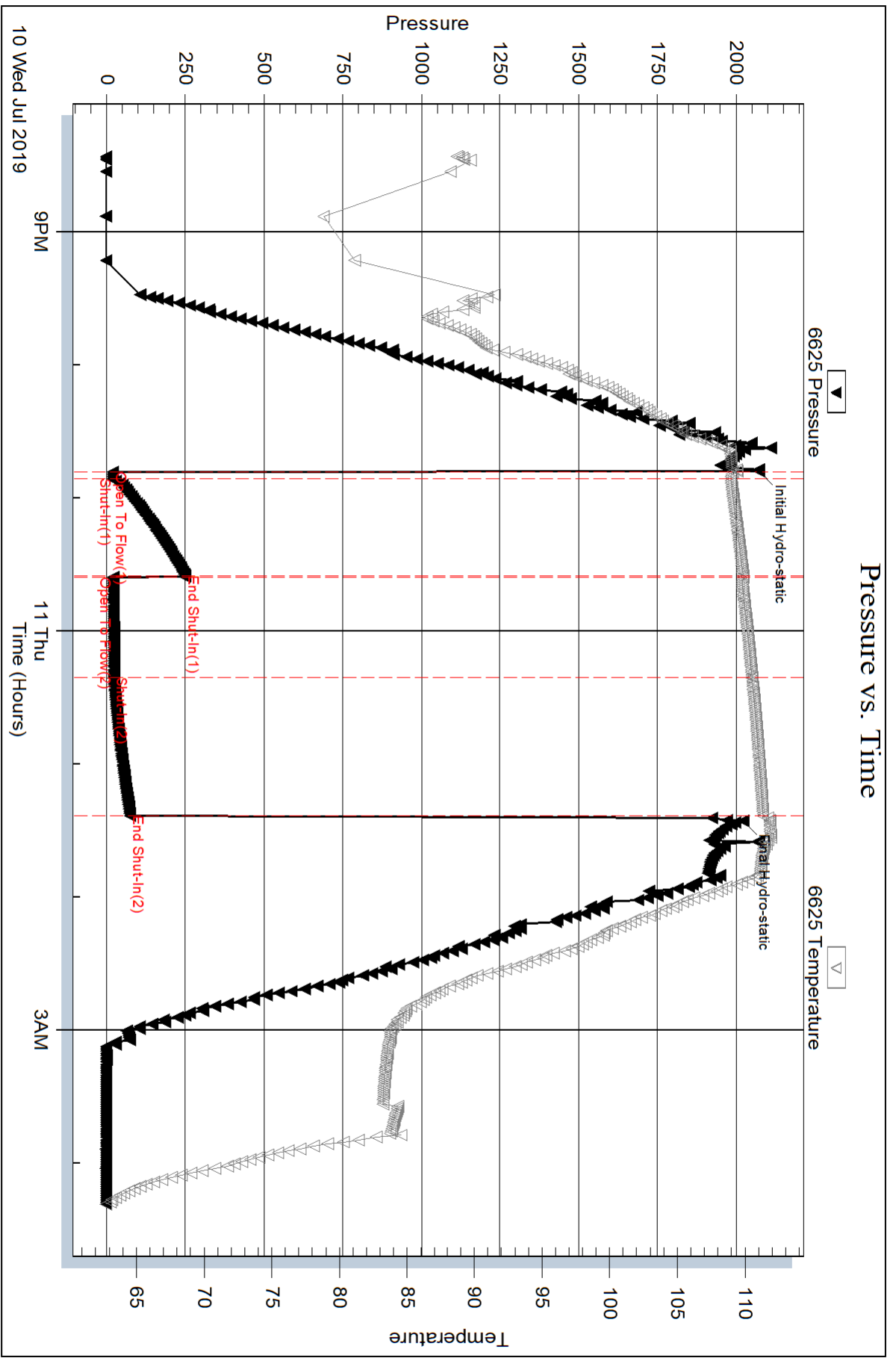
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

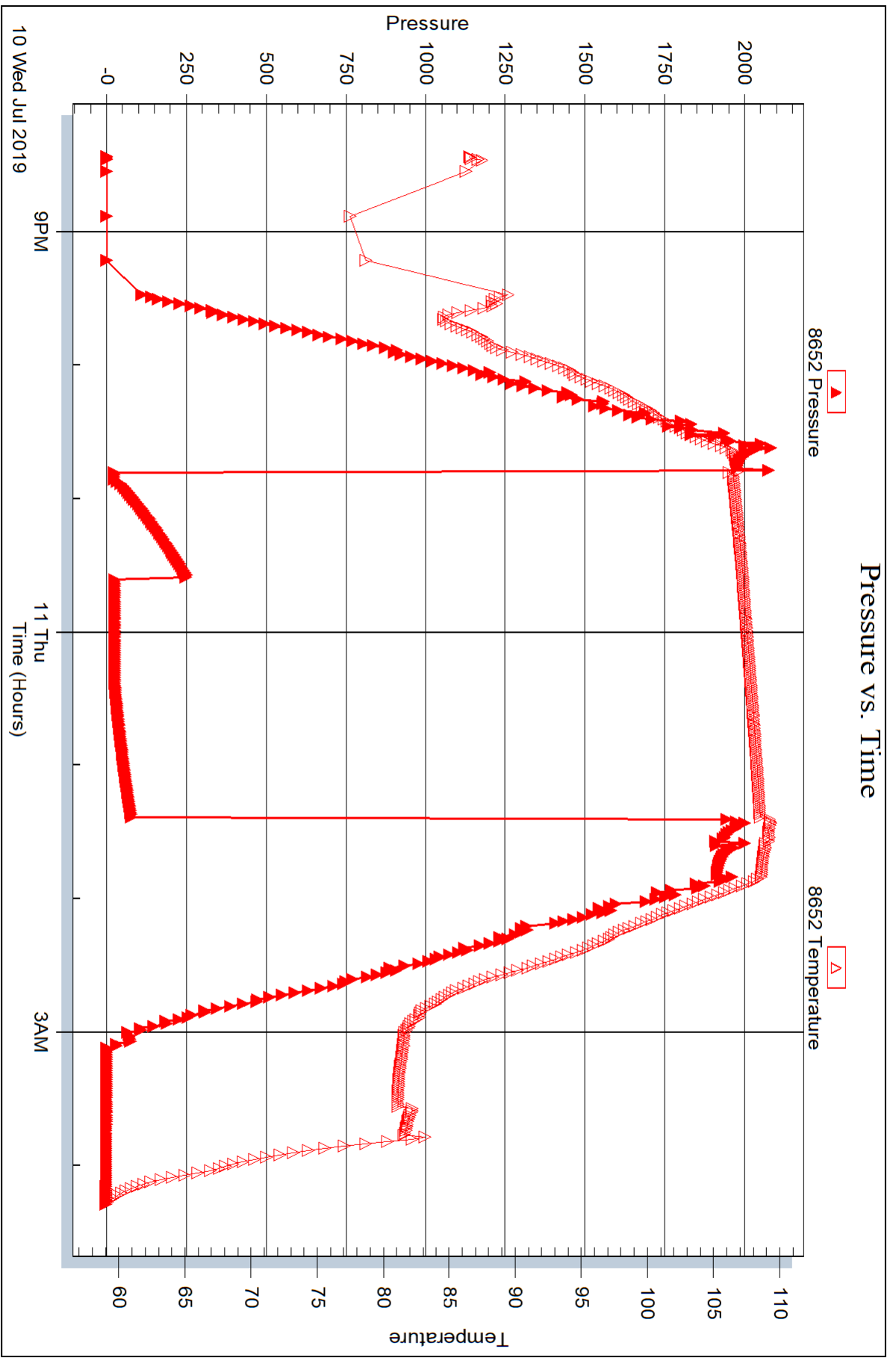


Serial #: 8652

Outside Meridian Energy Inc.

Solko #1

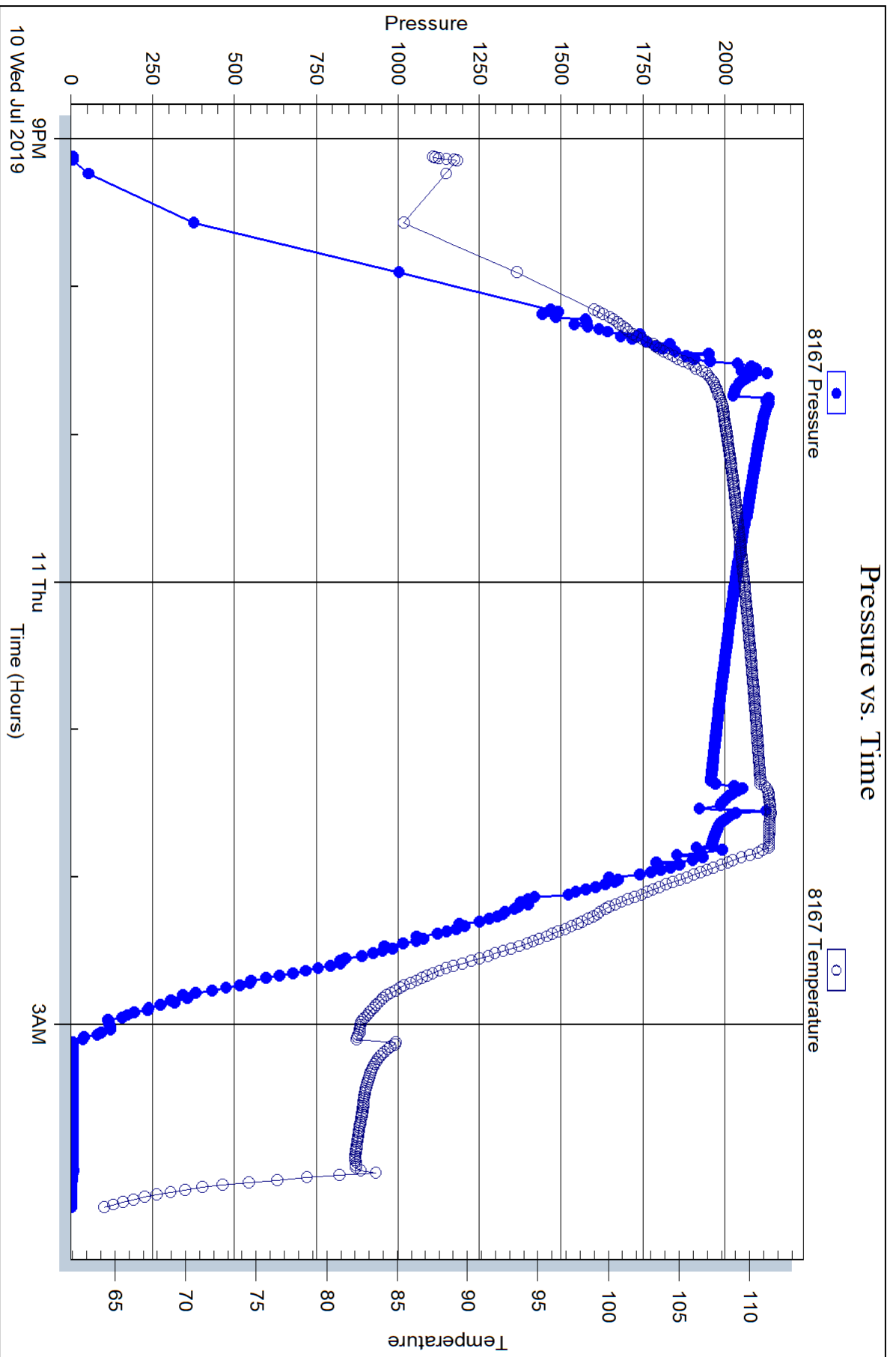
DST Test Number: 5



Triobite Testing, Inc

Ref. No: 64690

Printed: 2019.07.11 @ 06:58:16





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

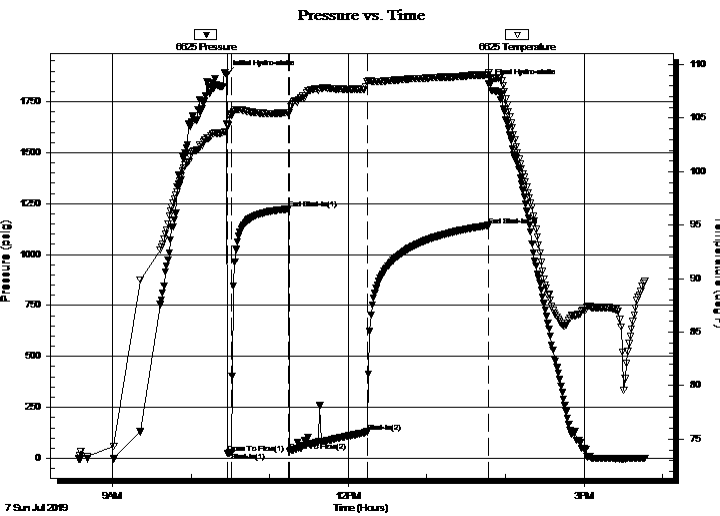
19/1s/31w Rawlins, KS
Solko #1
 Job Ticket: 64686 **DST#: 1**
 Test Start: 2019.07.07 @ 08:34:00

GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 10:27:45 Tester: James Winder
 Time Test Ended: 15:47:00 Unit No: 83
 Interval: **3700.00 ft (KB) To 3810.00 ft (KB) (TVD)** Reference Elevations: 2870.00 ft (KB)
 Total Depth: 3810.00 ft (KB) (TVD) 2865.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 6625 Inside
 Press@RunDepth: 129.46 psig @ 3701.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.07.07 End Date: 2019.07.07 Last Calib.: 2019.07.07
 Start Time: 08:34:05 End Time: 15:46:59 Time On Btm: 2019.07.07 @ 10:27:15
 Time Off Btm: 2019.07.07 @ 13:47:15

TEST COMMENT: 2 - IF: Blow built to 3"
 45 - IS: Blow back built to 1/8"
 60 - FF: Blow built to BOB (11") at 26 min., built to 22 1/2"
 90 - FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1882.61	104.43	Initial Hydro-static
1	23.30	104.29	Open To Flow (1)
4	29.61	105.22	Shut-In(1)
48	1223.75	105.51	End Shut-In(1)
48	35.98	105.51	Open To Flow (2)
108	129.46	108.40	Shut-In(2)
200	1142.92	109.09	End Shut-In(2)
200	1839.51	109.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	MCW w/trace oil 73%w, 27%m	1.75
62.00	WCM w/trace oil 76%m, 24%w	0.87
45.00	Mud w/trace oil 100%m	0.63

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

19/1s/31w Rawlins, KS

Solko #1

Job Ticket: 64686 **DST#: 1**

Test Start: 2019.07.07 @ 08:34:00

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:27:45

Time Test Ended: 15:47:00

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 83

Interval: 3700.00 ft (KB) To 3810.00 ft (KB) (TVD)

Reference Elevations: 2870.00 ft (KB)

Total Depth: 3810.00 ft (KB) (TVD)

2865.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8652 **Outside**

Press@RunDepth: psig @ 3701.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.07 End Date: 2019.07.07

Last Calib.: 2019.07.07

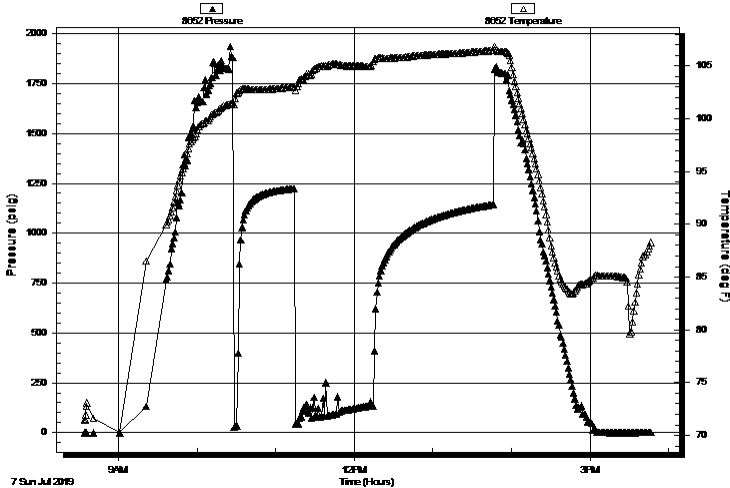
Start Time: 08:34:05 End Time: 15:46:44

Time On Btm:

Time Off Btm:

TEST COMMENT: 2 - IF: Blow built to 3"
 45 - IS: Blow back built to 1/8"
 60 - FF: Blow built to BOB (11") at 26 min., built to 22 1/2"
 90 - FS: No blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
125.00	MCW w/trace oil 73%w, 27%m	1.75
62.00	WCM w/trace oil 76%m, 24%w	0.87
45.00	Mud w/trace oil 100%m	0.63

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Meridian Energy Inc.

19/1s/31w Rawlins, KS

1475 Ward Dr
Franktown, CO 80116

Solko #1

Job Ticket: 64686

DST#: 1

ATTN: Maxwell LaFon

Test Start: 2019.07.07 @ 08:34:00

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:

27000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
125.00	MCW w/trace oil 73%w, 27%m	1.753
62.00	WCM w/trace oil 76%m, 24%w	0.870
45.00	Mud w/trace oil 100%m	0.631

Total Length: 232.00 ft Total Volume: 3.254 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

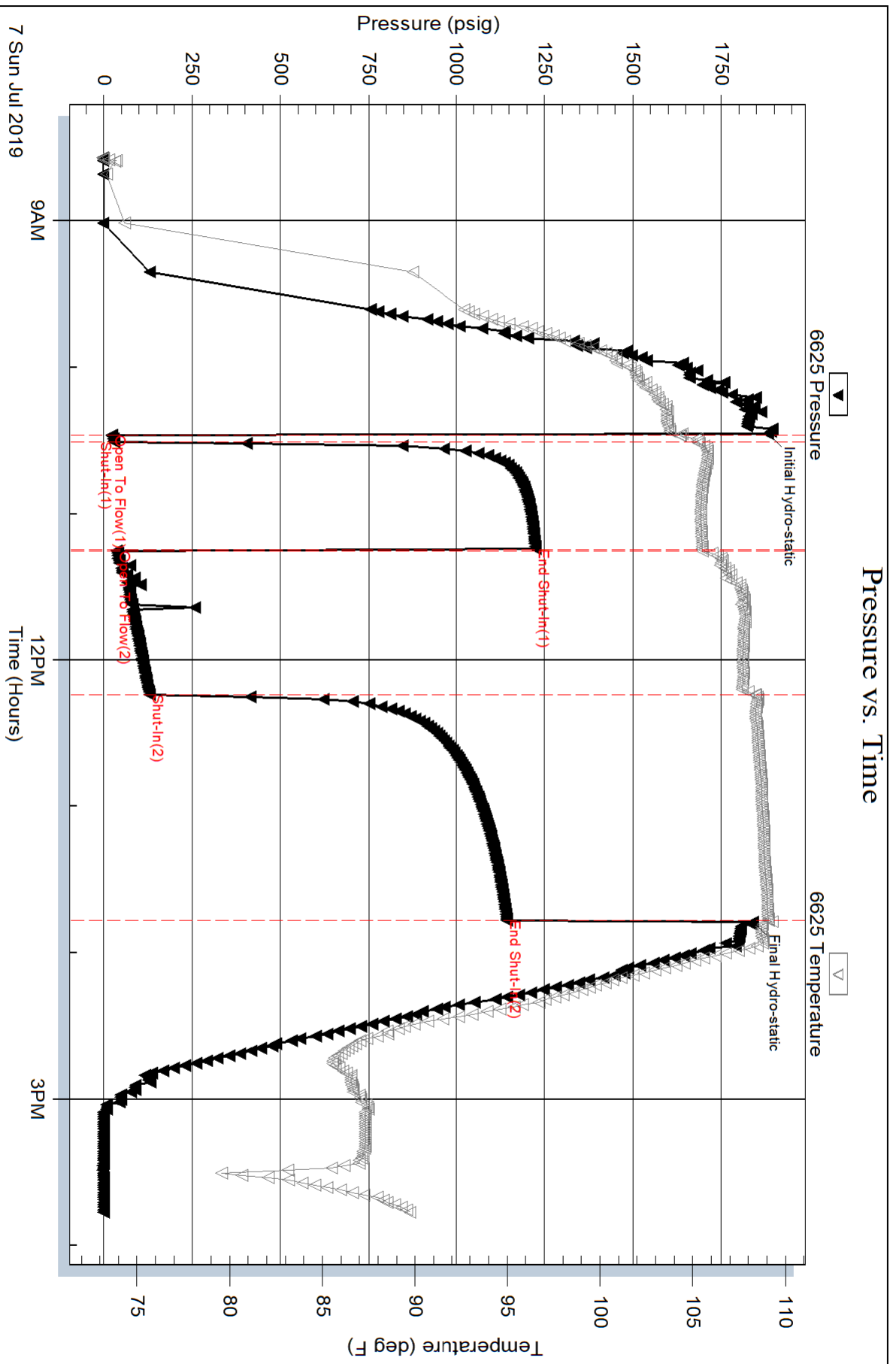
Serial #:

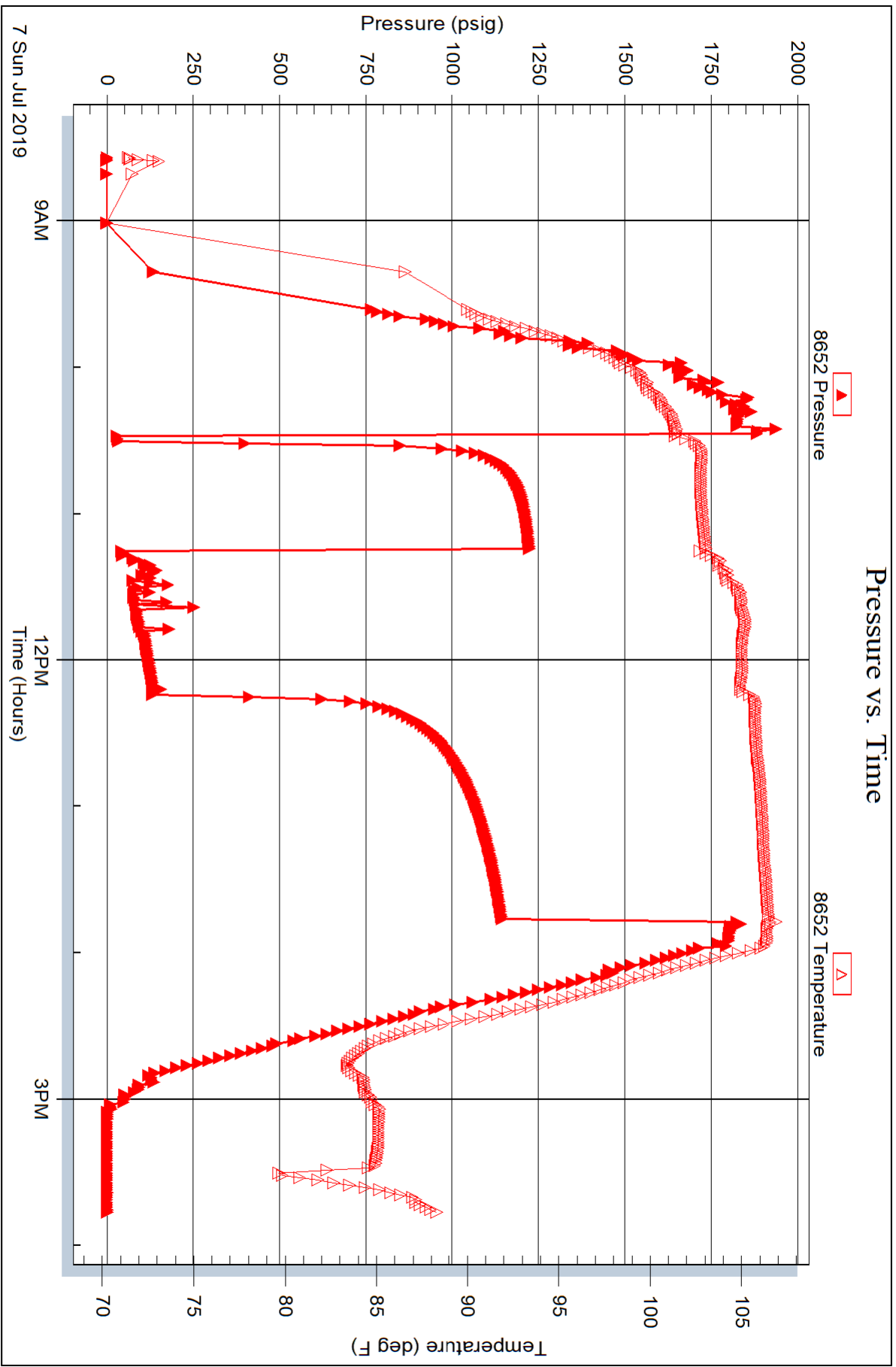
Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .210 ohms @ 86.4 deg F Chlorides = 27,000 ppm

Pressure vs. Time







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

19/1s/31w Rawlins, KS

Solko #1

Job Ticket: 64687

DST#: 2

Test Start: 2019.07.08 @ 05:15:00

GENERAL INFORMATION:

Formation: **Lans. "B"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:40:00
 Time Test Ended: 13:03:30
 Interval: **3840.00 ft (KB) To 3910.00 ft (KB) (TVD)**
 Total Depth: 3910.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 83
 Reference Elevations: 2870.00 ft (KB)
 2865.00 ft (CF)
 KB to GR/CF: 5.00 ft

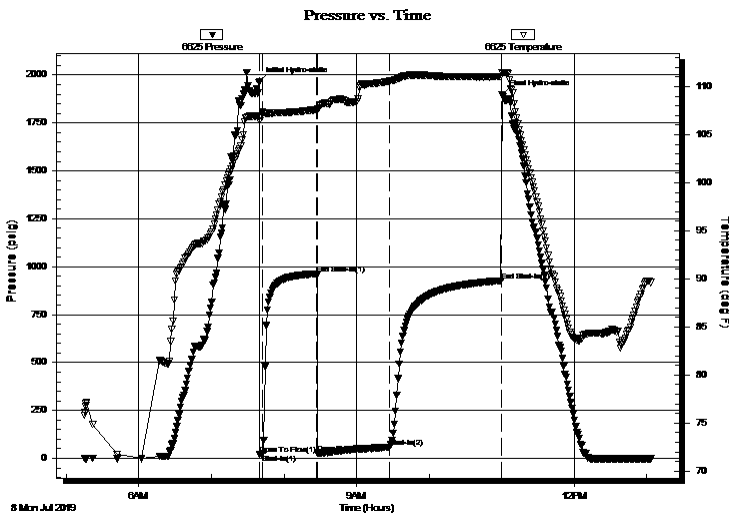
Serial #: 6625

Inside

Press@RunDepth: 58.97 psig @ 3841.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.07.08 End Date: 2019.07.08 Last Calib.: 2019.07.08
 Start Time: 05:15:05 End Time: 13:03:29 Time On Btm: 2019.07.08 @ 07:39:45
 Time Off Btm: 2019.07.08 @ 11:00:15

TEST COMMENT: 2 - IF: Blow built to 1 1/2"
 45 - IS: Blow built to 1/8" then died back to surface
 60 - FF: Blow built to BOB (11") at 26 1/2 min., built to 22"
 90 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1962.90	106.83	Initial Hydro-static
1	20.58	106.47	Open To Flow (1)
3	23.78	107.34	Shut-In(1)
48	963.20	107.59	End Shut-In(1)
48	27.84	107.58	Open To Flow (2)
108	58.97	110.60	Shut-In(2)
200	927.19	111.01	End Shut-In(2)
201	1895.31	111.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
42.00	GWOCM 46%o, 25%o, 19%w, 10%g	0.59
40.00	SW/MCO 55%o, 32%o, 8%w, 5%g	0.56
30.00	SMCO 90%o, 5%o, 5%g	0.42
0.00	GIP = 135'	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

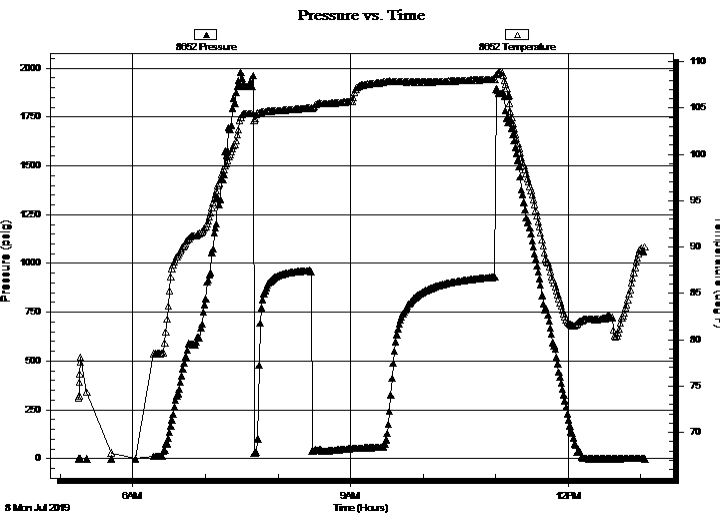
19/1s/31w Rawlins, KS
Solko #1
Job Ticket: 64687 **DST#: 2**
Test Start: 2019.07.08 @ 05:15:00

GENERAL INFORMATION:

Formation: **Lans. "B"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:40:00
Time Test Ended: 13:03:30
Interval: **3840.00 ft (KB) To 3910.00 ft (KB) (TVD)**
Total Depth: 3910.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: James Winder
Unit No: 83
Reference Elevations: 2870.00 ft (KB)
2865.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8652 Outside
Press@RunDepth: psig @ 3841.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.07.08 End Date: 2019.07.08 Last Calib.: 2019.07.08
Start Time: 05:15:05 End Time: 13:03:14 Time On Btm:
Time Off Btm:

TEST COMMENT: 2 - IF: Blow built to 1 1/2"
45 - IS: Blow built to 1/8" then died back to surface
60 - FF: Blow built to BOB (11") at 26 1/2 min., built to 22"
90 - FS: No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
42.00	GWOCM 46% <i>m</i> , 25% <i>o</i> , 19% <i>w</i> , 10% <i>g</i>	0.59
40.00	SW/MCO 55% <i>o</i> , 32% <i>m</i> , 8% <i>w</i> , 5% <i>g</i>	0.56
30.00	SMCO 90% <i>o</i> , 5% <i>m</i> , 5% <i>g</i>	0.42
0.00	GIP = 135'	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Meridian Energy Inc.

19/1s/31w Rawlins, KS

1475 Ward Dr
Franktown, CO 80116

Solko #1

Job Ticket: 64687

DST#: 2

ATTN: Maxwell LaFon

Test Start: 2019.07.08 @ 05:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
42.00	GWOCM 46% <i>m</i> , 25% <i>o</i> , 19% <i>w</i> , 10% <i>g</i>	0.589
40.00	SW/MCO 55% <i>o</i> , 32% <i>m</i> , 8% <i>w</i> , 5% <i>g</i>	0.561
30.00	SMCO 90% <i>o</i> , 5% <i>m</i> , 5% <i>g</i>	0.421
0.00	GIP = 135'	0.000

Total Length: 112.00 ft Total Volume: 1.571 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

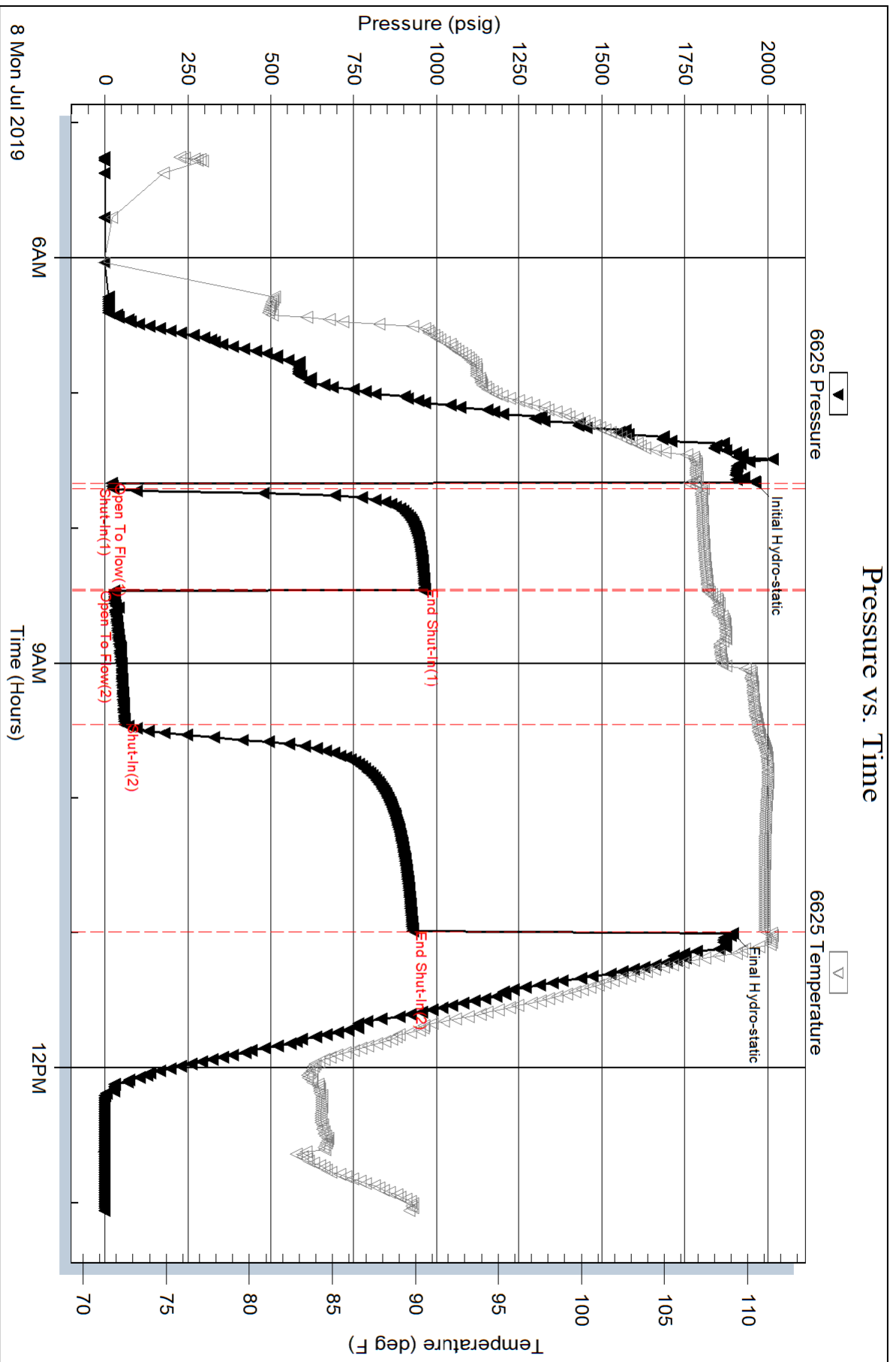
Serial #:

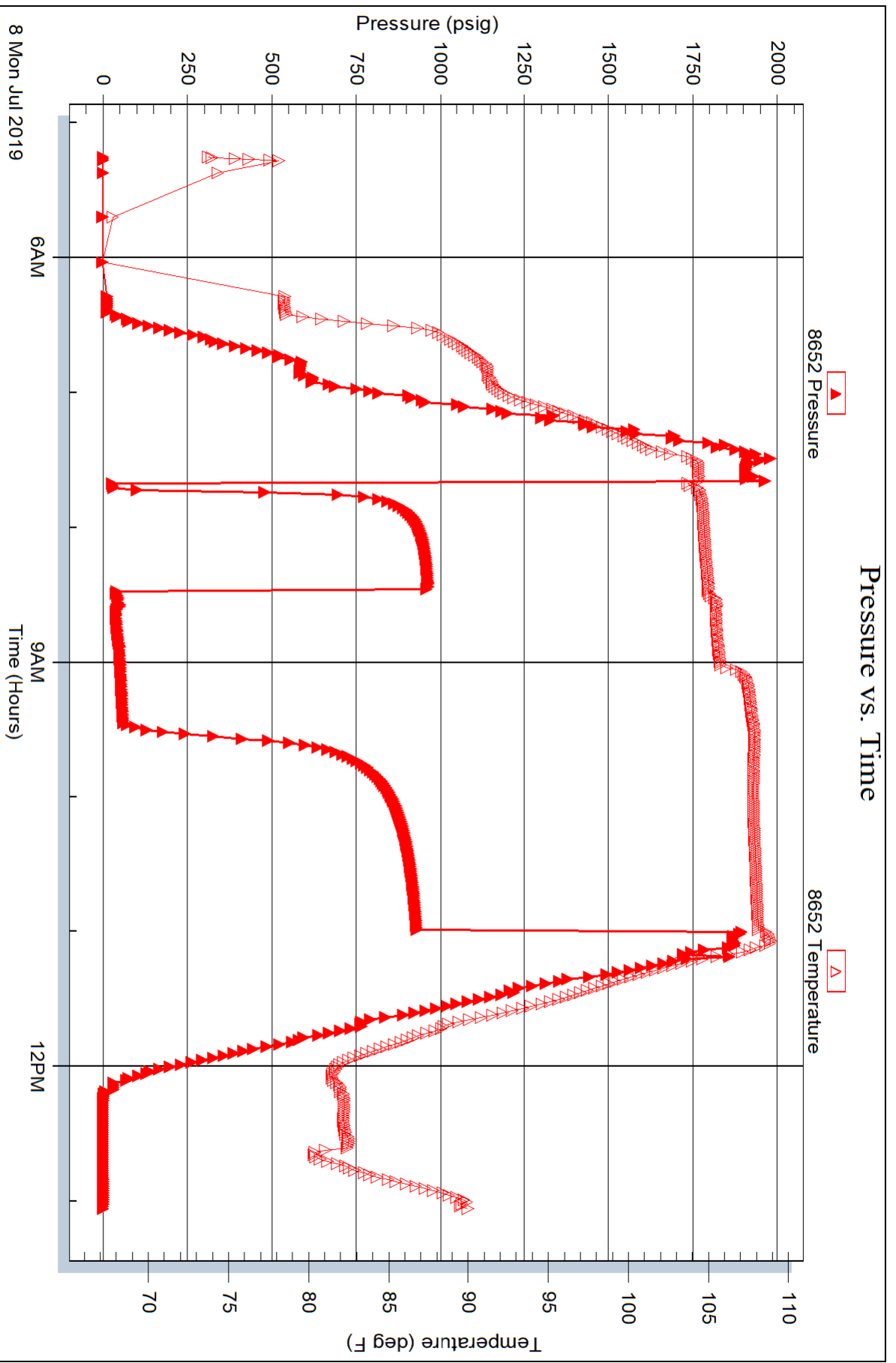
Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 30 api @ 82 deg F Corrected Gravity = 27.8 api

Pressure vs. Time







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

19/1s/31w Rawlins, KS
Solko #1
Job Ticket: 64688 **DST#: 3**
Test Start: 2019.07.08 @ 18:15:00

GENERAL INFORMATION:

Formation: **Lans. "A"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:26:30
Time Test Ended: 03:34:00
Interval: **3806.00 ft (KB) To 3884.00 ft (KB) (TVD)**
Total Depth: 3910.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Straddle (Reset)
Tester: James Winder
Unit No: 83
Reference Elevations: 2870.00 ft (KB)
2865.00 ft (CF)
KB to GR/CF: 5.00 ft

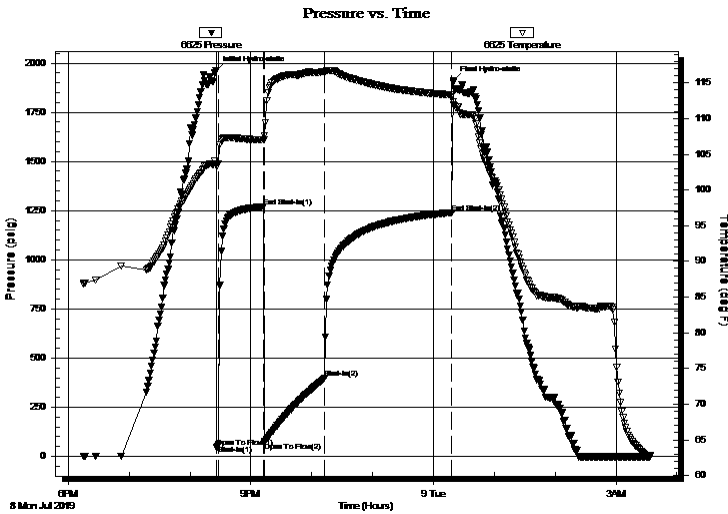
Serial #: 6625

Inside

Press@RunDepth: 396.92 psig @ 3807.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.07.08 End Date: 2019.07.09 Last Calib.: 2019.07.09
Start Time: 18:15:05 End Time: 03:34:00 Time On Btm: 2019.07.08 @ 20:25:45
Time Off Btm: 2019.07.09 @ 00:19:45

TEST COMMENT: 2 - IF: Blow built to 7"
45 - IS: Surface blow back from 10 min. till end of close
60 - FF: Blow built to BOB (11") at 5 min., built to 82 1/2"
120 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1962.87	103.62	Initial Hydro-static
1	44.50	103.31	Open To Flow (1)
3	58.43	103.63	Shut-In(1)
47	1269.45	107.05	End Shut-In(1)
48	72.36	107.62	Open To Flow (2)
107	396.92	116.54	Shut-In(2)
233	1239.61	113.29	End Shut-In(2)
234	1908.59	111.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
635.00	SMCW w/trace oil 94%w, 6%m	8.91
165.00	MCW w/trace oil 63%w, 34%m, 3%g	2.31

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

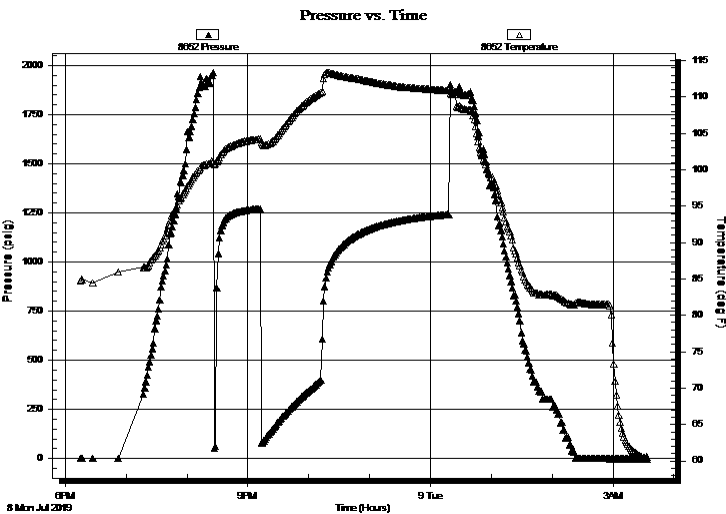
19/1s/31w Rawlins, KS
Solko #1
 Job Ticket: 64688 **DST#: 3**
 Test Start: 2019.07.08 @ 18:15:00

GENERAL INFORMATION:

Formation: **Lans. "A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:26:30
 Time Test Ended: 03:34:00
 Interval: **3806.00 ft (KB) To 3884.00 ft (KB) (TVD)**
 Total Depth: 3910.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: James Winder
 Unit No: 83
 Reference Elevations: 2870.00 ft (KB)
 2865.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8652 Outside
 Press@RunDepth: psig @ 3807.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.07.08 End Date: 2019.07.09 Last Calib.: 2019.07.09
 Start Time: 18:15:05 End Time: 03:33:30 Time On Btm:
 Time Off Btm:

TEST COMMENT: 2 - IF: Blow built to 7"
 45 - IS: Surface blow back from 10 min. till end of close
 60 - FF: Blow built to BOB (11") at 5 min., built to 82 1/2"
 120 - FSI: No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
635.00	SMCW w/trace oil 94%w, 6%m	8.91
165.00	MCW w/trace oil 63%w, 34%m, 3%g	2.31

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Meridian Energy Inc.

19/1s/31w Rawlins, KS

1475 Ward Dr
Franktown, CO 80116

Solko #1

Job Ticket: 64688

DST#: 3

ATTN: Maxwell LaFon

Test Start: 2019.07.08 @ 18:15:00

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:

60000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
635.00	SMCW w/trace oil 94%w, 6%m	8.907
165.00	MCW w/trace oil 63%w, 34%m, 3%g	2.315

Total Length: 800.00 ft Total Volume: 11.222 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

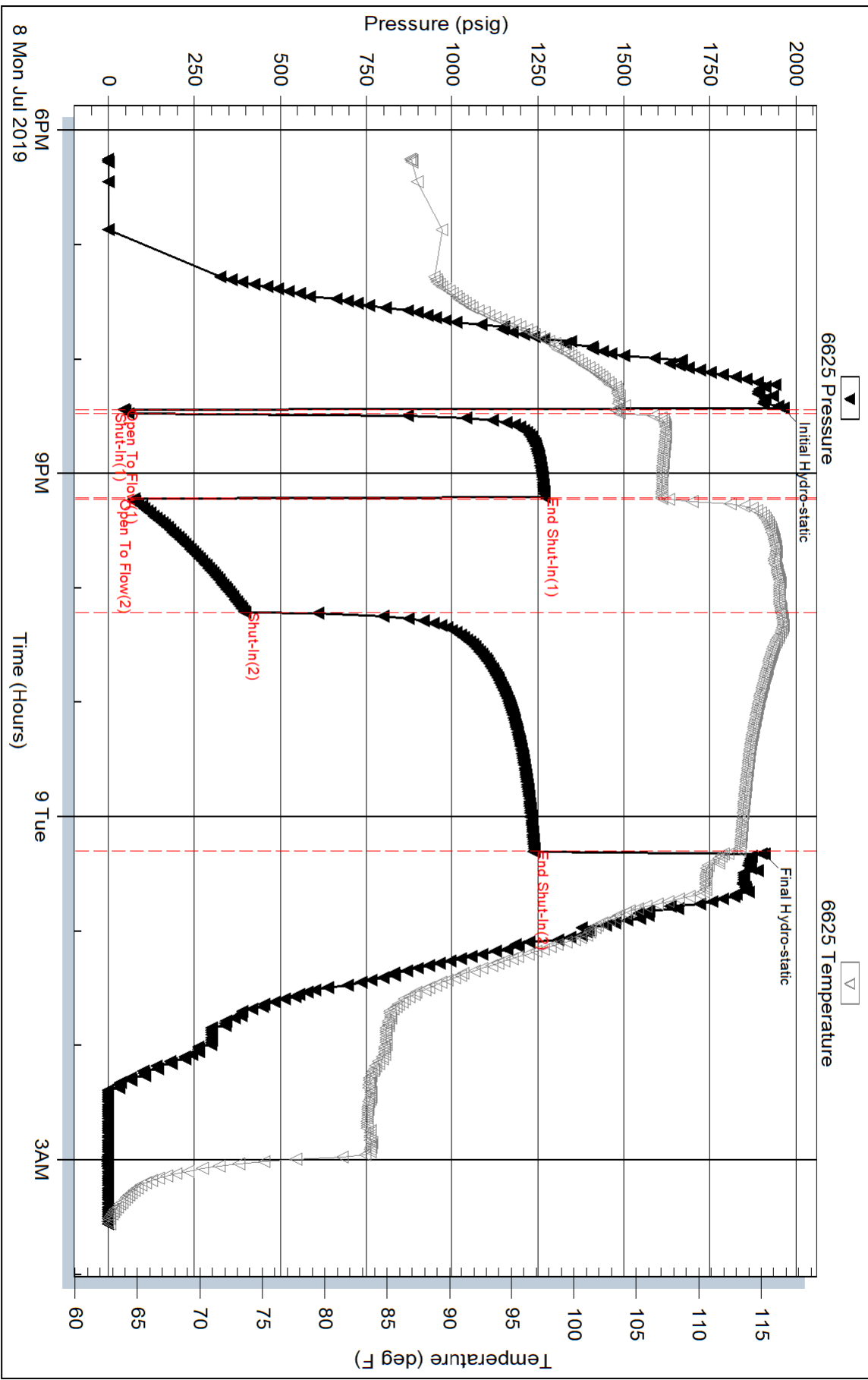
Serial #:

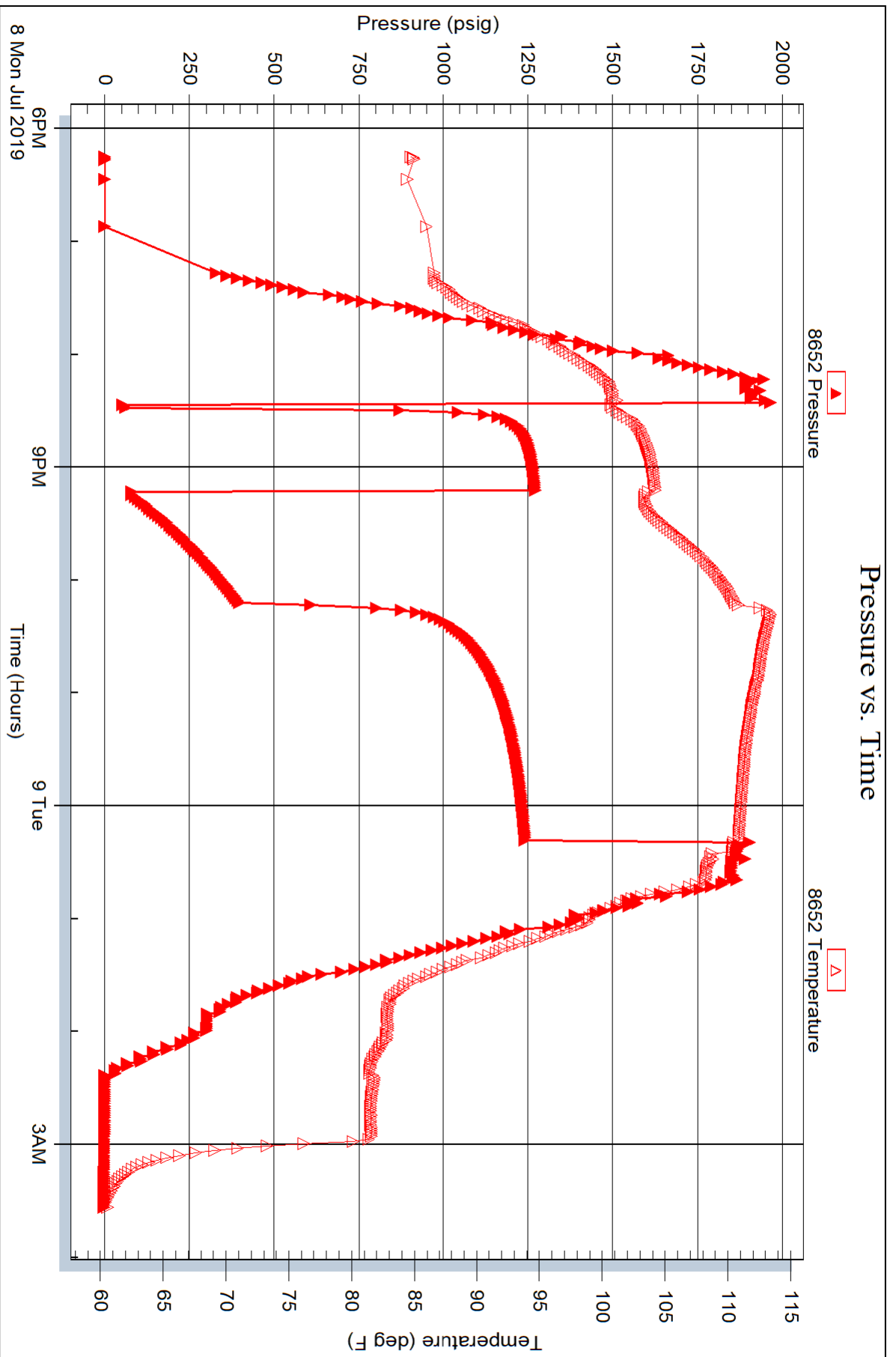
Laboratory Name:

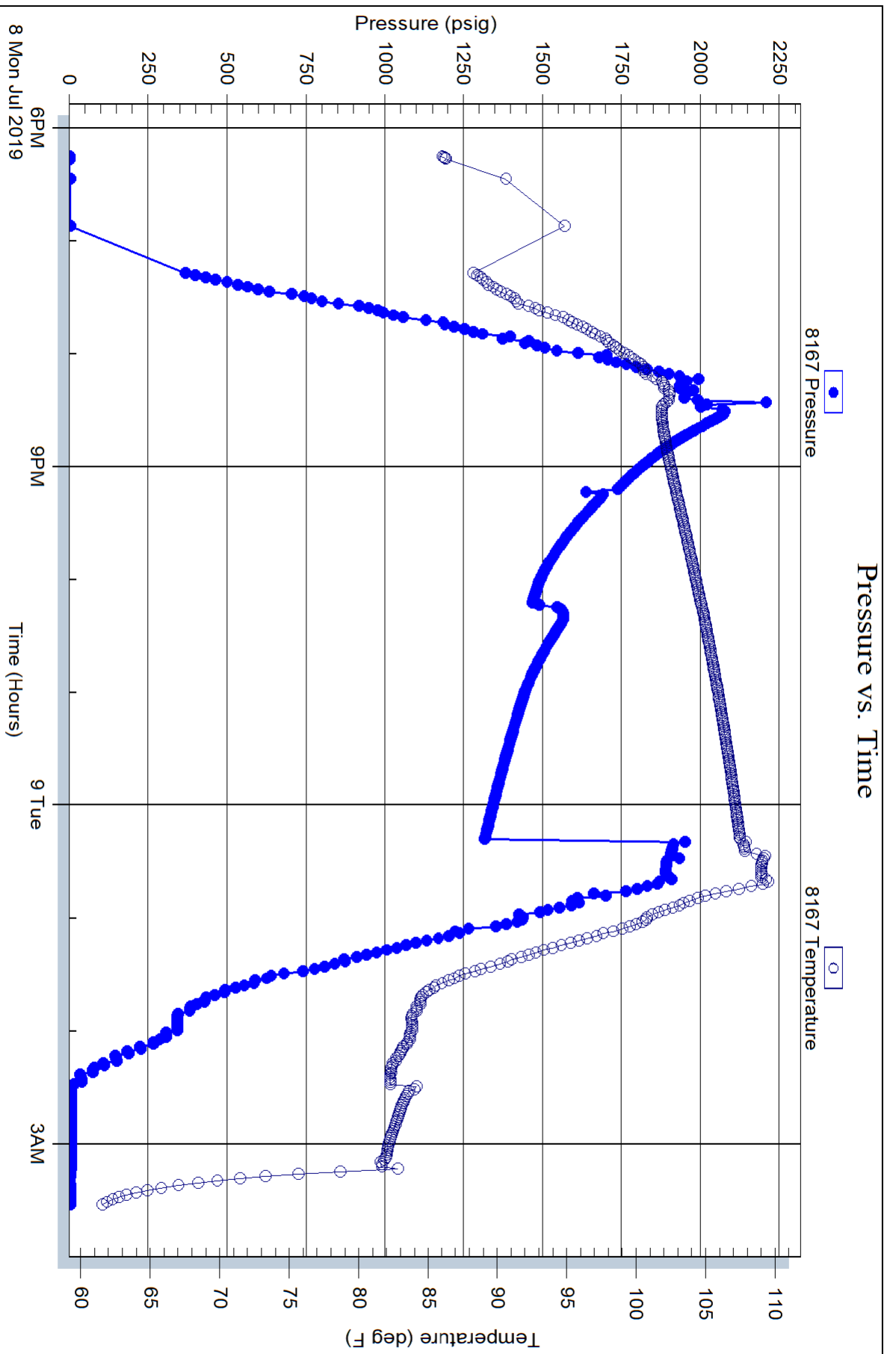
Laboratory Location:

Recovery Comments: RW = .140 ohms @ 65.4 deg F Chlorides = 60,000 ppm

Pressure vs. Time









TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

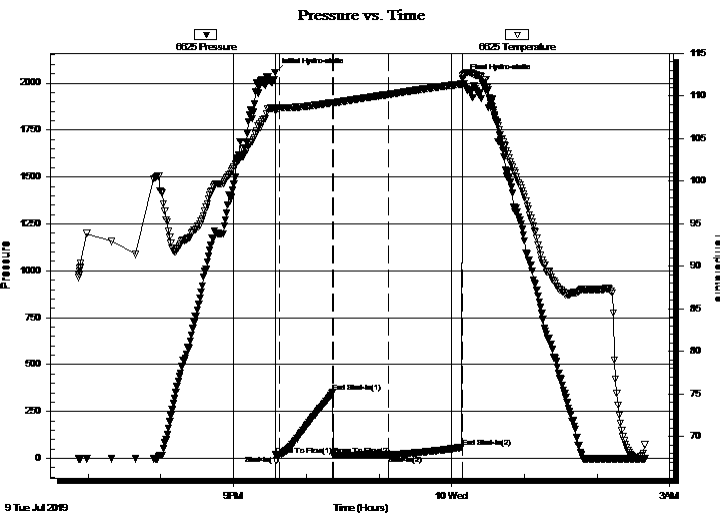
19/1s/31w Rawlins, KS
Solko #1
 Job Ticket: 64689 **DST#: 4**
 Test Start: 2019.07.09 @ 18:52:00

GENERAL INFORMATION:

Formation: **Lans. "E"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:34:45
 Time Test Ended: 02:39:15
 Interval: **3986.00 ft (KB) To 4045.00 ft (KB) (TVD)**
 Total Depth: 4045.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 83
 Reference Elevations: 2870.00 ft (KB)
 2865.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6625 Inside
 Press@RunDepth: 18.64 psig @ 3987.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.07.09 End Date: 2019.07.10 Last Calib.: 2019.07.10
 Start Time: 18:52:05 End Time: 02:39:14 Time On Btm: 2019.07.09 @ 21:34:15
 Time Off Btm: 2019.07.10 @ 00:09:30

TEST COMMENT: 2 - IF: Blow built to 1/8"
 45 - IS: No blow back
 45 - FF: No blow
 60 - FS: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2056.92	108.51	Initial Hydro-static
1	18.88	108.31	Open To Flow (1)
4	17.30	108.60	Shut-In(1)
48	353.78	109.24	End Shut-In(1)
49	17.64	109.22	Open To Flow (2)
94	18.64	110.18	Shut-In(2)
155	59.53	111.42	End Shut-In(2)
156	2022.69	112.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	WCM 81% _m , 19% _w	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Meridian Energy Inc.

19/1s/31w Rawlins, KS

1475 Ward Dr
Franktown, CO 80116

Solko #1

Job Ticket: 64689

DST#: 4

ATTN: Maxwell LaFon

Test Start: 2019.07.09 @ 18:52:00

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:

12000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	WCM 81% _m , 19% _w	0.014

Total Length: 1.00 ft Total Volume: 0.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

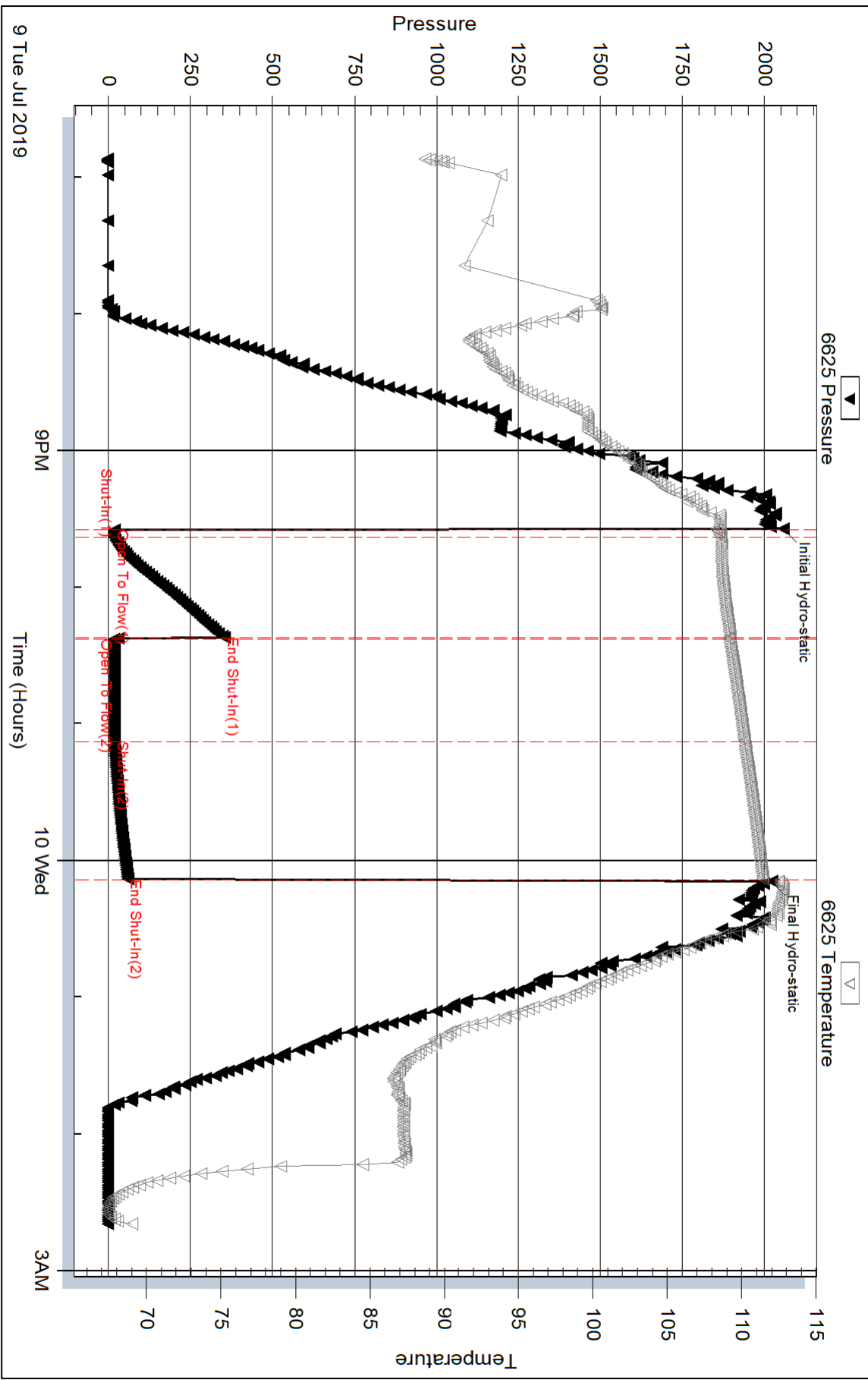
Serial #:

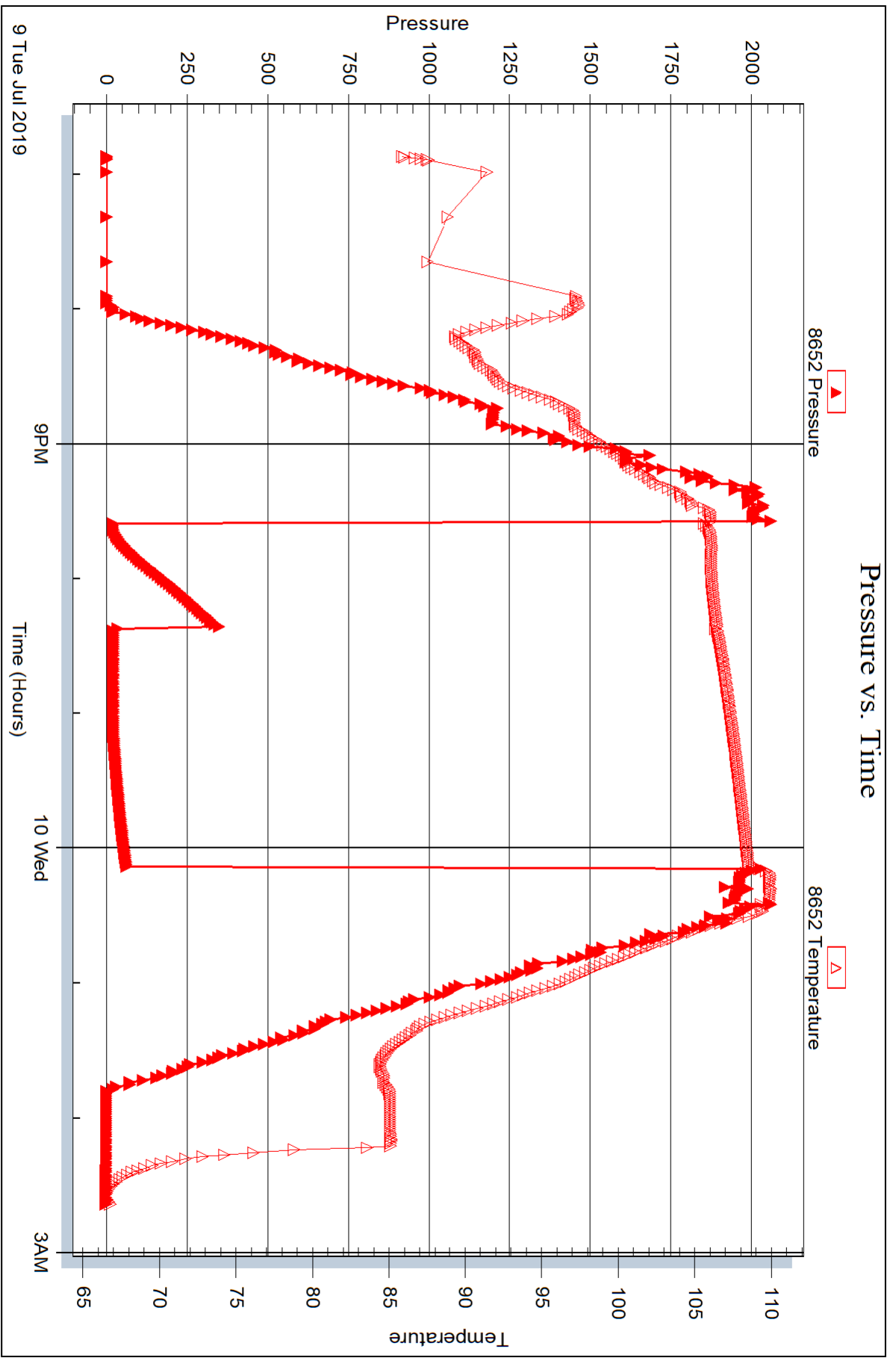
Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .557 ohms @ 69.1 deg F Chlorides = 12,000 ppm

Pressure vs. Time





GLOBAL OIL FIELD SERVICES, LLC

13764

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell 115

DATE <u>7-3-19</u>	SEC. <u>19</u>	TWP. <u>15</u>	RANGE <u>31W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Solka</u>	WELL #. <u>1</u>	LOCATION <u>1/2 west of Meridon KS 4W 2N</u>		COUNTY <u>Rauvin</u>	STATE <u>KS</u>		
OLD OR NEW (CIRCLE ONE)		<u>1/2 west of Meridon</u>					

CONTRACTOR Flex Drilling

TYPE OF JOB Surface

HOLE SIZE 12 1/4" T.D.

CASING SIZE 4 3/8" DEPTH 256'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 25

PERFS

DISPLACEMENT

OWNER Meridon Energy

CEMENT AMOUNT ORDERED 200 @ 115 60/110 39cc
286001

EQUIPMENT

PUMP TRUCK CEMENTER Cody

409 HELPER Tyson

BULK TRUCK

412 DRIVER Eddie

BULK TRUCK

DRIVER

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:

Run bits of 5 7/8 casing + bit + Holed to Rig + broke circulation + Holed to Truck + Pumped 200 lbs of cement + displaced 14 3/4 gal of H2O + shut in.

Cement Did Circulate to Surface Meridon Energy

CHARGE TO: [Signature]

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

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 [Signature]

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS