KOLAR Document ID: 1526081

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 # 31725
Name: Shelby Resources LLC
Address 1: 3700 Quebec Street
Address 2: Suite 100 PMB 376
City: DENVER State: CO Zip: 80207 + 1639
Contact Person: Chris Gottschalk
Phone: (785) 623-1524
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Jeremy Schwartz
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 #:

7/25/2020 Spud Date or Recompletion Date
8/02/2020 Date Reached TD
8/02/2020 Completion Date or Recompletion Date

API No.: 15-145-21860-00-00
Spot Description:
SW - SE - SW - NE Sec. 26 Twp. 21 S. R. 17 ☐ East ☑ West
2630 Feet from ☑ North / ☐ South Line of Section
1950 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: Pawnee
Lease Name: M-B UNIT Well #: 1-26
Field Name:
Producing Formation: N/A
Elevation: Ground: 2068 Kelly Bushing: 2079
Total Vertical Depth: 4050 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1087 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: 6400 ppm Fluid volume: 210 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Shelby Resources
Lease Name: Eakin #2-7 License #: 31725
Quarter SE Sec. 7 Twp. 22 S. R. 16 ☐ East ☑ West
County: Pawnee Permit #: D-30939

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: 08/07/2020
☐ **Confidential Release Date:** 08/07/2022
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 08/07/2020

Operator Name: Shelby Resources LLC Lease Name: M-B UNIT Well #: 1-26

Sec. 26 Twp. 21 S. R. 17 ☐ East ☑ West County: Pawnee

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	☑ Log Formation (Top), Depth and Datum ☑ Sample
Samples Sent to Geological Survey	☑ Yes	☐ No	Name: Attached Top: Attached Datum: Attached
Cores Taken	☐ Yes	☑ No	
Electric Log Run	☑ Yes	☐ No	
Geologist Report / Mud Logs	☑ Yes	☐ No	

List All E. Logs Run:
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	24	1087	60/40 Poz	450	2% gel/ 4% 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	Shelby Resources LLC
Well Name	M-B UNIT 1-26
Doc ID	1526081

All Electric Logs Run

Dual Induction
Sonic
Micro
Compensated Neutron

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	M-B UNIT 1-26
Doc ID	1526081

Tops

Name	Top	Datum
HERRINGTON 2048 31	2048	31
KRIDER	2071	8
WINFIELD	2102	-23
FT RILEY	2214	-135
HEEBNER	3477	-1398
LANSING	3577	-1498
BKC	3839	-1760
ARBUCKLE	3972	-1893
LTD	4051	-1972

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	M-B UNIT 1-26
Doc ID	1526081

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	24	1087	60/40 Poz	450	2% gel/ 4% CC

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071 Home Office P.O. Box 32 Russell, KS 67665 No. 2041

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7/27/2020	26	21	17	Pawnee	Kansas		1:45 am

Location Larned 3W ½S Winto

Lease M-B unit Well No. 1-26

Owner

Contractor Murfin Drilling CO Inc #14

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.

Type Job

Hole Size 12¼ T.D. 1090

Charge To Shelby Resources

Csg. 8⅝ Depth 1076.55

Street

Tbg. Size Depth

City State

Tool Depth

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

Cement Left in Csg. 28.71 Shoe Joint 28.71

Cement Amount Ordered 450 60/40 4%cc 2%gel ¼#flo

Meas Line Displace 66.64

EQUIPMENT

Pumptrk 17 No. Cementer Helper Tim

Bulktrk 21 No. Driver Driver Doug

Bulktrk P.U. No. Driver Driver David

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Thanks

Cement Did Circulate

X Signature

Common	270
Poz. Mix	180
Gel.	8
Calcium	20
Hulls	
Salt	
Flowseal	225#
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	478
Mileage	
FLOAT EQUIPMENT	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	1-8⅝ Rubber plug
	1-8⅝ Baffle plate
Pumptrk Charge	Long Surface
Mileage	29
Tax	
Discount	
Total Charge	

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. 2043

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8/2/2020	26	21	17	Pawnee	Kansas		6:30pm

Location Larned 3W ½S Winto

Lease M-B Unit | Well No. 1-26 | Owner

Contractor Murfin Drilling CO. Inc. Rig 14

Type Job Plug

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.

Hole Size 7¾ | T.D.

Charge To Shelby

Csg. D.P. | Depth 4050 | Street

Tbg. Size | Depth | City | State

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

Cement Left in Csg. | Shoe Joint | Cement Amount Ordered 210 60/40 4%gel ¼ Flow

Meas Line | Displace

EQUIPMENT

Pumptrk 17	No.	Cementer / Helper	Tony
Bulktrk 15	No.	Driver / Driver	Tom
Bulktrk PU	No.	Driver / Driver	David

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

4050' Mixed 50 sks

1115 mixed 50 sks

300' - mixed 40 sks

60' Mixed 20 sks

Rathole - Mixed 30 sks

Mouse hole - Mixed 20 sks

Cement Did Circulate

X Signature

Common	126
Poz. Mix	84
Gel.	7
Calcium	
Hulls	
Salt	
Flowseal	50#
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	217
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	plug
Mileage	29
Tax	
Discount	
Total Charge	

Thanks

Scale 1:240 Imperial

Well Name:	M-B Unit 1-26		
Surface Location:	2630' FNL _1950' FEL, Sec. 26-T21s-R17w		
Bottom Location:			
API:	15-165-21860-00-00		
License Number:	31725		
Spud Date:	7/25/2020	Time:	6:00 PM
Region:	Pawnee		
Drilling Completed:	8/2/2020	Time:	12:30 AM
Surface Coordinates:			
Bottom Hole Coordinates:			
Ground Elevation:	2068.00ft		
K.B. Elevation:	2079.00ft		
Logged Interval:	1900.00ft	To:	2300.00ft
Total Depth:	4050.00ft		
Formation:	Chase Group		
Drilling Fluid Type:	Chemical/Fresh Water Gel		

OPERATOR

Company:	Shelby Resources, LLC		
Address:	3700 Quebec St. Unit 100 PMB 376 Denver, CO 80207		
Contact Geologist:	Jeff Zoller / Jeremy Schwartz		
Contact Phone Nbr:	620-786-0807 / 203-671-6034		
Well Name:	M-B Unit 1-26		
Location:	2630' FNL _1950' FEL, Sec. 26-T21s-R17w		
API:	15-165-21860-00-00		
Pool:		Field:	Wildcat
State:	Kansas	Country:	USA

LOGGED BY

Company:	Mile High Exploration, LLC		
Address:	14645 Sterling Road Colorado Springs, CO 80921		
Phone Nbr:	203-671-6034		
Logged By:	Geologist	Name:	Jeremy Schwartz

NOTES

The Shelby Resources, LLC M-B Unit #1-26 was drilled to a total depth of 4050', bottoming in the Arbuckle . An iBall Instruments Bloodhound gas detector was employed in the drilling of said well.

2 DST's were conducted during the drilling of this well in the Herrington-Krider and Ft. Riley formations. The DST reports can be found at the bottom of this log.

Due to negative DST results, lack of sample shows, gas kicks, and subsequent log analysis it was determined by all parties involved to plug and abandon the well. The dry samples were saved and will be available for furthur review at the Kansas Geological Society Well Sample Library, located in Wichita, KS.

Kansas Geological Society Well Sample Library, located in Wichita, KS.

Respectfully Submitted,
Jeremy Schwartz
Geologist

CONTRACTOR

Contractor:	WW Drilling		
Rig #:	114		
Rig Type:	mud rotary		
Spud Date:	7/25/2020	Time:	6:00 PM
TD Date:	8/2/2020	Time:	12:30 AM
Rig Release:		Time:	

ELEVATIONS

K.B. Elevation:	2079.00ft	Ground Elevation:	2068.00ft
K.B. to Ground:	11.00ft		

DATE	DEPTH	ACTIVITY
Tuesday, July 28, 2020	2000'	Geologist Jeremy Schwartz on location @0600hrs, ~2000', Drlg ahead through Paddock LS,
		Hollenberg LS, Herrington, Krider, CFS @ 2078', gas kick/show in Herrington & Krider warrants
	2078'	test, conduct DST #1 in the Herrington-Krider, successful test, resume drlg ahead through
	2128'	Winfield, CFS @ 2128'
Wednesday, July 29, 2020	2184'	resume drlg through lower Winfield, Towanda, CFS @ 2184', resume drlg through lower
	2245'	Towanda, Ft. Riley, CFS @ 2245', gas kick and show in Ft. Riley warrants test
		drop survey, strap out for DST #2 in the Ft. Riley,
Thursday, July 30, 2020	2245'	Successful test, resume drlg ahead
Friday, July 31, 2020	3263'	CFS @ 3263' for gas kick, resume drlg ahead through King Hill, Queen Hill, Heebner,
		Douglas, very slow ROP in Douglas, CTCH 30min @ 3531', spot 20bbls mud, resume drlg
		ahead through Douglas with good ROP @ 3532', drlg ahead through Lansing,
Saturday, August 01, 2020	2875'	CFS @ 3875', Conduct Bit Trip below BKC, resume drlg ahead through Marmaton,
	3975'	CFS @ 3975', resume drlg, CFS @ 3981', resume drlg ahead through Arbuckle to TD of 4050'
Sunday, August 02, 2020	4050'	TD of 4050' reached at 0030hrs, CTCH 90", drop survey TOH to conduct logging operations
		Logging operations complete @ 0945hrs, Geologist Jeremy Schwartz off location @ 1015hrs

					GAS - P&A						D&A						D&A					
					Beren Corp.						Helmerich and Payne						Shelby Resources, LLC					
					Josefiak #1						Wilson #1						French #1-27					
	M-B Unit 1-26				NW-SW-NW Sec. 26-21S-17W						NE-NE-SE Sec. 26-21S-17W						W/2-SE-SW-SE Sec. 27-21S-17W					
	KB	2079			KB	2080					KB	2056					KB	2045				
	LOG TOPS		SAMPLE TOPS		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.	
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.		CORR.		DEPTH	DATUM	CORR.		CORR.		DEPTH	DATUM	CORR.		CORR.	
ANHYDRITE TOP	1092	987	1088	991	1075	1005	-	18	-	14	1075	981	+	6	+	10	1047	998	-	11	-	7
BASE	1115	964			1100	980	-	16									1070	975	-	11		
PADDOCK LS	1995	84	1998	81	1986	94	-	10	-	13							1952	93	-	9	-	12
HOLLENBERG LS	2014	65	2016	63	2005	75	-	10	-	12							1971	74	-	9	-	11
HERRINGTON	2048	31	2050	29	2041	39	-	8	-	10							2006	39	-	8	-	10
KRIDER	2071	8	2073	6	2062	18	-	10	-	12							2030	15	-	7	-	9
KRIDER POROSITY	2076	3	2074	5	2068	12	-	9	-	7												
WINFIELD	2102	-23	2098	-19													2054	-9	-	14	-	10
TOWANDA	2168	-89	2168	-89													2126	-81	-	8	-	8
FT RILEY	2214	-135	2213	-134													2171	-126	-	9	-	8
HEEBNER	3477	-1398	3476	-1397													3425	-1380	-	18	-	17
DOUGLAS	3504	-1425	3500	-1421													3452	-1407	-	18	-	14
BROWN LIME	3566	-1487	3565	-1486													3512	-1467	-	20	-	19
LANSING	3577	-1498	3576	-1497							3584	-1528	+	30	+	31	3522	-1477	-	21	-	20
LKC G POROSITY	3654	-1575	3654	-1575													3603	-1558	-	17	-	17
MUNCIE CREEK	3712	-1633	3712	-1633													3652	-1607	-	26	-	26
LKC H	3722	-1643	3722	-1643													3661	-1616	-	27	-	27
STARK	3781	-1702	3781	-1702													3724	-1679	-	23	-	23
BKC	3839	-1760	3841	-1762													3786	-1741	-	19	-	21
MARMATON	3849	-1770	3852	-1773													3796	-1751	-	19	-	22
ARBUCKLE	3972	-1893	3970	-1891							3977	-1921	+	28	+	30	3903	-1858	-	35	-	33
RTD			4050	-1971	2082	-2					4032	-1976			+	5	4265	-2220			+	249
LTD	4051	-1972			2078	2											4264	-2219	+	247		

ROCK TYPES

Dolprim
Dolsec
Lmst fw<7
Lmst fw7>
shale, gry
shale, red

ACCESSORIES

FOSSIL
Oomoldic

STRINGER
Chert
Limestone
Sandstone

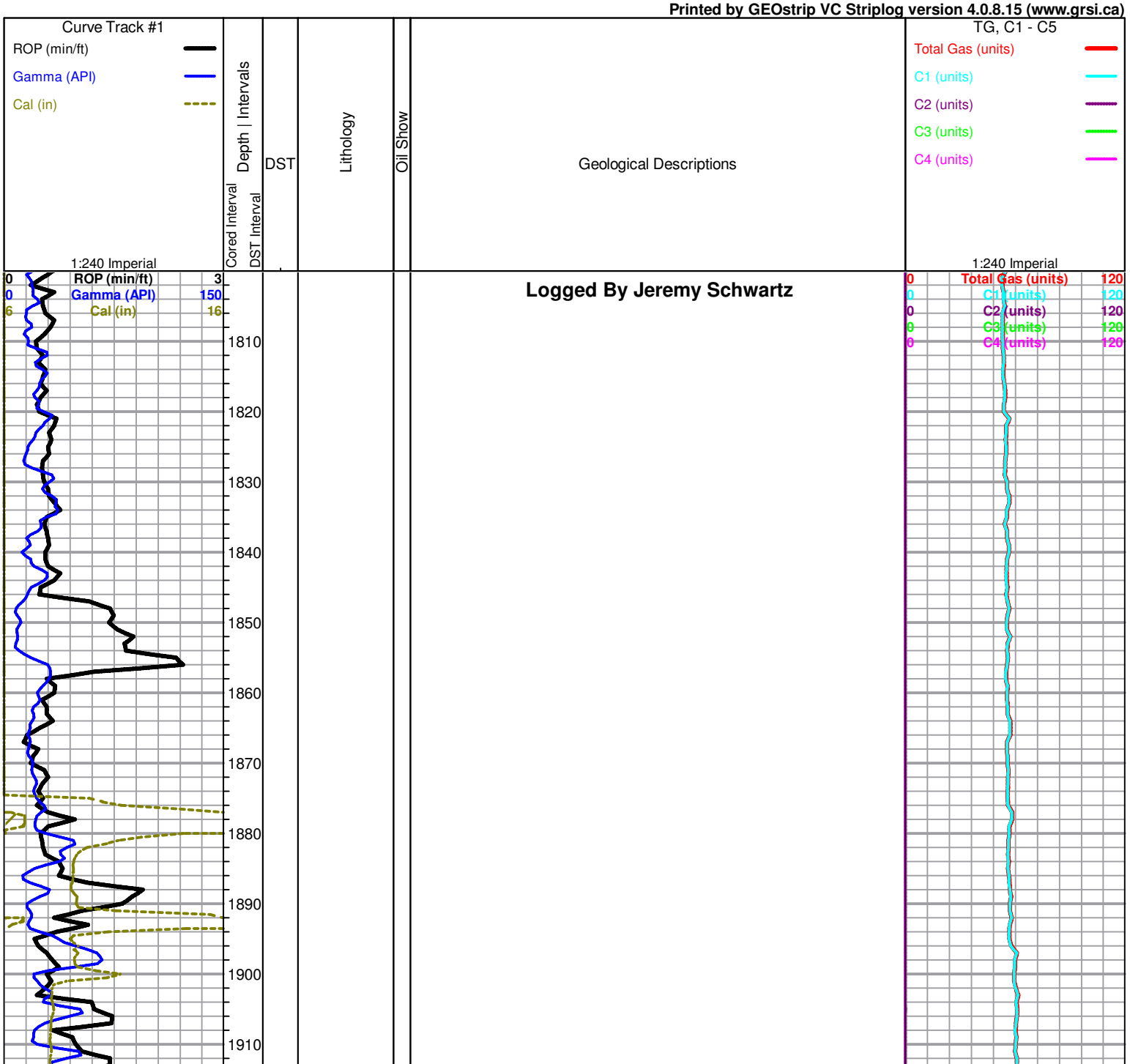
TEXTURE
C Chalky

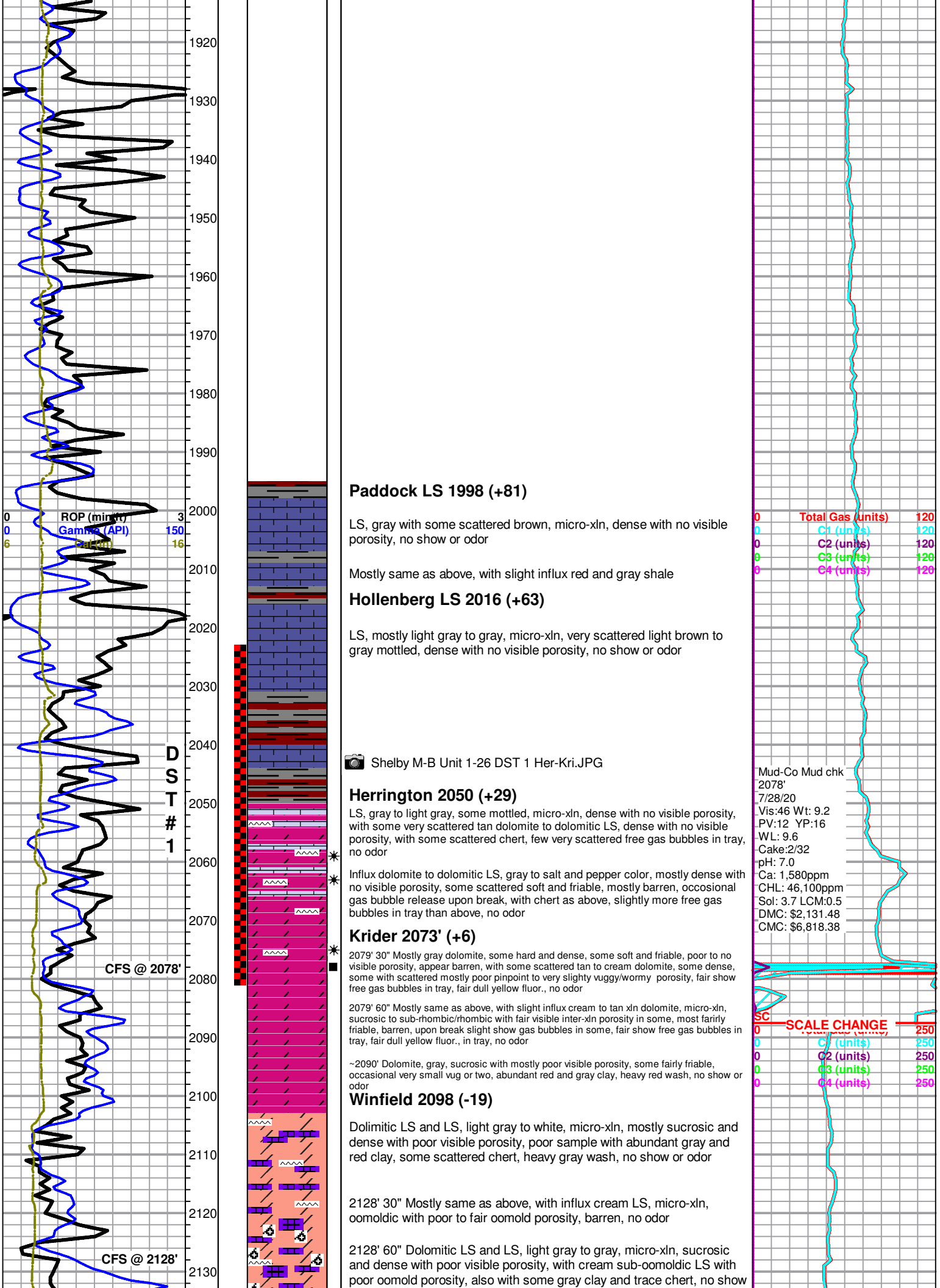
OTHER SYMBOLS

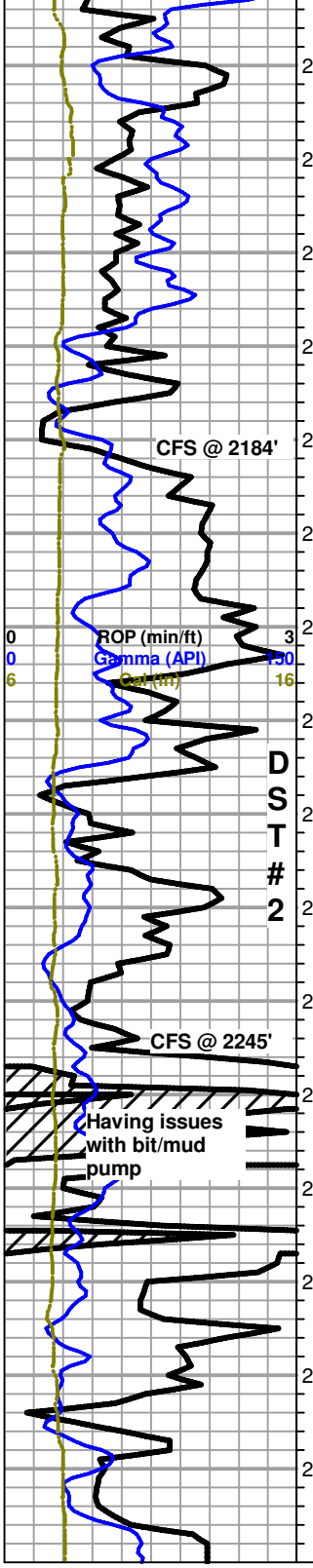
MISC
Daily Report
Digital Photo
Document
Folder
Link
Vertical Log File
Horizontal Log File
Core Log File
Drill Cuttings Rpt

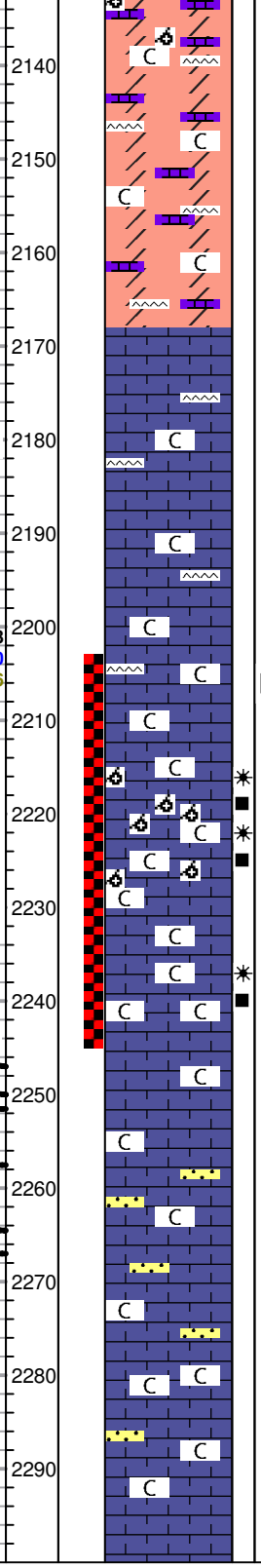
DST
DST Int
DST alt

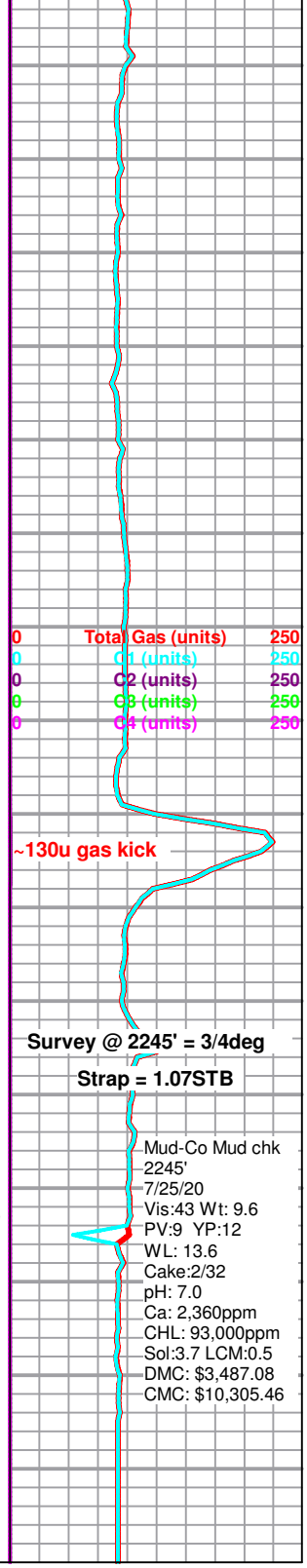
Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)




0 ROP (min/ft) 3
0 Gamma (API) 150
6 Caliper 16
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
2020
2030
2040
2050
2060
2070
2080
2090
2100
2110
2120
2130
DST #1
CFS @ 2078'
CFS @ 2128'
Paddock LS 1998 (+81)
LS, gray with some scattered brown, micro-xln, dense with no visible porosity, no show or odor
Mostly same as above, with slight influx red and gray shale
Hollenberg LS 2016 (+63)
LS, mostly light gray to gray, micro-xln, very scattered light brown to gray mottled, dense with no visible porosity, no show or odor
Shelby M-B Unit 1-26 DST 1 Her-Kri.JPG
Herrington 2050 (+29)
LS, gray to light gray, some mottled, micro-xln, dense with no visible porosity, with some very scattered tan dolomite to dolomitic LS, dense with no visible porosity, with some scattered chert, few very scattered free gas bubbles in tray, no odor
Influx dolomite to dolomitic LS, gray to salt and pepper color, mostly dense with no visible porosity, some scattered soft and friable, mostly barren, occosional gas bubble release upon break, with chert as above, slightly more free gas bubbles in tray than above, no odor
Krider 2073' (+6)
2079' 30" Mostly gray dolomite, some hard and dense, some soft and friable, poor to no visible porosity, appear barren, with some scattered tan to cream dolomite, some dense, some with scattered mostly poor pinpoint to very slighty vuggy/wormy porosity, fair show free gas bubbles in tray, fair dull yellow fluor., no odor
2079' 60" Mostly same as above, with slight influx cream to tan xln dolomite, micro-xln, sucrosic to sub-rhombic/rhombic with fair visible inter-xln porosity in some, most farirly friable, barren, upon break slight show gas bubbles in some, fair show free gas bubbles in tray, fair dull yellow fluor., in tray, no odor
~2090' Dolomite, gray, sucrosic with mostly poor visible porosity, some fairly friable, occasional very small vug or two, abundant red and gray clay, heavy red wash, no show or odor
Winfield 2098 (-19)
Dolimitic LS and LS, light gray to white, micro-xln, mostly sucrosic and dense with poor visible porosity, poor sample with abundant gray and red clay, some scattered chert, heavy gray wash, no show or odor
2128' 30" Mostly same as above, with influx cream LS, micro-xln, oomoldic with poor to fair oomold porosity, barren, no odor
2128' 60" Dolomitic LS and LS, light gray to gray, micro-xln, sucrosic and dense with poor visible porosity, with cream sub-oomoldic LS with poor oomold porosity, also with some gray clay and trace chert, no show
0 Total Gas (units) 120
0 C1 (units) 120
0 C2 (units) 120
0 C3 (units) 120
0 C4 (units) 120
Mud-Co Mud chk
2078'
7/28/20
Vis:46 Wt: 9.2
PV:12 YP:16
WL: 9.6
Cake:2/32
pH: 7.0
Ca: 1,580ppm
CHL: 46,100ppm
Sol: 3.7 LCM:0.5
DMC: $2,131.48
CMC: $6,818.38
SC
SCALE CHANGE
0 250
0 C1 (units) 250
0 C2 (units) 250
0 C3 (units) 250
0 C4 (units) 250







or odor

Dolimitic LS and LS, gray to cream, some dense, some soft and chalky in part, fairly chalky sample, with gray clay, no show or odor

Abundant red clay with some gray, with some scattered cream oomoldic LS, dense with poor oomold porosity, heavy red wash, with some very scattered white to tan chert no show or odor

As above, poor sample with heavy red wash, no show or odor

Towanda 2168 (-89)

2184' 30 & 60" LS to dolimitic LS, cream to light gray, micro-xln, some dense, some soft and chalky in part, poor visible porosity, with some gray LS, dense with no visible porosity, with red clay and scattered tan to cream chert, red wash, no show or odor

LS, gray, micro-xln, mostly dense with no visible porosity, some soft and chalky in part, with some scattered tan to cream chert, fairly chalky sample, no show or odor

LS as above, fairly chalky, no show or odor

Summary M-B Unit 1-26 DST-2 Fort Riley.jpg

Ft. Riley 2213 (-134)

~2210' LS to dolimitic LS, cream, sucrosic and fairly dense with poor visible porosity, some chips friable, most have slight show SSG upon break, slight show free gas bubbles in tray, scattered dull yellow fluor., fairly chalky, no odor

~2220' LS to dolimitic LS as above, with influx LS, cream, micro-xln, OOMOLDIC with fairly small oomolds and fair to good oomold porosity, some dense, some friable, most release SSG upon break, fair show free gas bubbles in tray, fairly chalky, scattered dull yellow fluor., no odor

2245' 30" & 60" LS, cream, micro-xln, some very scattered chips with some scattered fair pp porosity, mostly soft and chalky, slight show free gas bubbles in tray, very chalky sample, scattered dull fluor., no odor

~2260' LS, cream to gray, micro-xln, mostly dense with poor visible porosity, some soft and chalky in part, chalky sample, also with some quartz SS grains in bottom of tray, vf, rounded to sub-rounded, clear, no show or odor

As above, chalky sample, no show or odor

**** SEE SHELBY M-B UNIT 1-26 DEEP GEOLOG FOR DEEP ZONES****

Shelby M-B Unit 1-26 DST 1 Her-Kri.JPG

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Steet Unit 100 PMB376
Denver Colorado 80207

ATTN: Jeremy Schwartz

26-21s-17w Pawnee

Job Ticket: 01453 **DST#: 1**

Test Start: 2020.07.28 @ 13:33:00

GENERAL INFORMATION:

Formation: **Herrington-Krider**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:20:00
Time Test Ended: 18:53:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 1-52

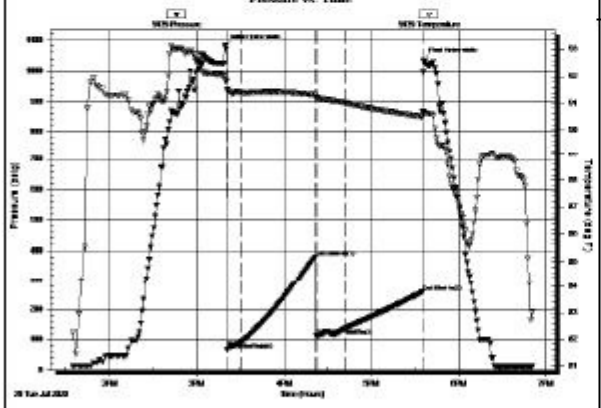
Interval: 2023.00 ft (KB) To 2078.00 ft (KB) (TVD)
Total Depth: 2078.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2079.00 ft (KB)
2068.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9139 **Outside**
Press@RunDepth: 258.21 psig @ 2074.90 ft (KB)
Start Date: 2020.07.28 End Date: 2020.07.28
Start Time: 13:33:00 End Time: 18:50:30

Capacity: 5000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2020.07.28 @ 15:20:00
Time Off Btm: 2020.07.28 @ 17:36:00

TEST COMMENT: 1st Opening 15 Minutes weak blow built to 1 inch decreaswd to 1/2 inch blow
1st Shut-In 45 Minutes
2nd Opening 15 Minutes no blow
2nd Shut-In 60 Minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1082.02	91.83	Initial Hydro-static
1	66.58	91.48	Open To Flow (1)
11	89.59	91.41	Shut-In(1)
62	381.81	91.31	End Shut-In(1)
62	114.67	91.22	Open To Flow (2)
82	137.04	91.01	Shut-In(2)
135	258.21	90.48	End Shut-In(2)
136	1034.95	90.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	drilling mud	0.62

Gas Rates

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

Summary M-B Unit 1-26 DST-2 Fort Riley.jpg

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Steet Unit 100 PMB376
Denver Colorado 80207

ATTN: Jeremy Schwartz

26-21s-17w Pawnee

Job Ticket: 01453 **DST#: 2**

Test Start: 2020.07.29 @ 07:36:00

GENERAL INFORMATION:

Formation: **Fort Riley**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:00:00
Time Test Ended: 14:13:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 1

Interval: 2203.00 ft (KB) To 2245.00 ft (KB) (TVD)
Total Depth: 2245.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

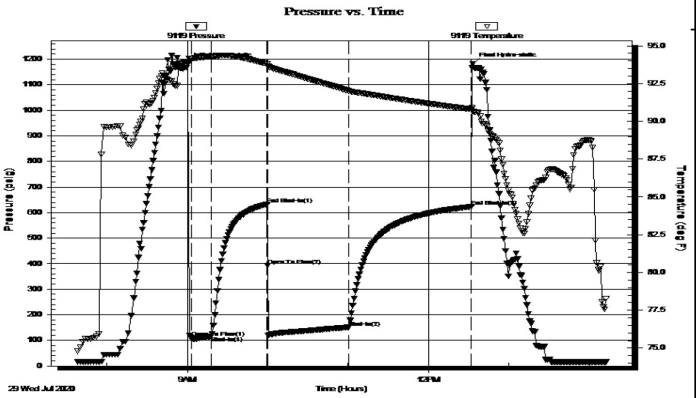
Reference Elevations: 2079.00 ft (KB)
2068.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9119 **Inside**

Press@RunDepth: 623.10 psig @ 2230.00 ft (KB)
Start Date: 2020.07.29 End Date: 2020.07.29
Start Time: 07:38:00 End Time: 14:12:30

Capacity: 5000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2020.07.29 @ 09:00:30
Time Off Btm: 2020.07.29 @ 12:33:00

TEST COMMENT: 1st opening 15 Minutes fair blow built to the bottom of a 5 gallon bucket in 7 minutes
1st Shut-In- 45 Minutes slight blow back
2nd opening 60 Minutes weak building blow built to the bottom of the bucket in 17 minutes
2nd shut-In 90 Minutes no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1181.36	93.95	Initial Hydro-static
3	110.47	94.16	Open To Flow (1)
18	115.84	94.28	Shut-In(1)
60	632.96	93.80	End Shut-In(1)
60	393.64	93.63	Open To Flow (2)
120	150.66	92.00	Shut-In(2)
212	623.10	90.80	End Shut-In(2)
213	1183.01	90.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	muddy water 30% Mud 70% Water	1.88
0.00	chlorides 88,000	0.00

Gas Rates

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

Scale 1:240 Imperial

Well Name:	M-B Unit 1-26		
Surface Location:	2630' FNL _1950' FEL, Sec. 26-T21s-R17w		
Bottom Location:			
API:	15-165-21860-00-00		
License Number:	31725		
Spud Date:	7/25/2020	Time:	6:00 PM
Region:	Pawnee		
Drilling Completed:	8/2/2020	Time:	12:30 AM
Surface Coordinates:			
Bottom Hole Coordinates:			
Ground Elevation:	2068.00ft		
K.B. Elevation:	2079.00ft		
Logged Interval:	3230.00ft	To:	4050.00ft
Total Depth:	4050.00ft		
Formation:	Conglomerate		
Drilling Fluid Type:	Chemical/Fresh Water Gel		

OPERATOR

Company:	Shelby Resources, LLC		
Address:	3700 Quebec St. Unit 100 PMB 376 Denver, CO 80207		
Contact Geologist:	Jeff Zoller / Jeremy Schwartz		
Contact Phone Nbr:	620-786-0807 / 203-671-6034		
Well Name:	M-B Unit 1-26		
Location:	2630' FNL _1950' FEL, Sec. 26-T21s-R17w		
API:	15-165-21860-00-00		
Pool:		Field:	Wildcat
State:	Kansas	Country:	USA

LOGGED BY

Company:	Mile High Exploration, LLC		
Address:	14645 Sterling Road Colorado Springs, CO 80921		
Phone Nbr:	203-671-6034		
Logged By:	Geologist	Name:	Jeremy Schwartz

NOTES

The Shelby Resources, LLC M-B Unit #1-26 was drilled to a total depth of 4050', bottoming in the Arbuckle . An iBall Instruments Bloodhound gas detector was employed in the drilling of said well.

2 DST's were conducted during the drilling of this well throughout the Herrington-Krider and Ft. Riley formations. The DST reports can be found at the bottom of this log.

Due to negative DST results, lack of sample shows, gas kicks, and subsequent log analysis it was determined by all parties involved to plug and abandon the well. The dry samples were saved and will be available for furthur review at the Kansas Geological Society Well Sample Library, located in Wichita, KS.

Kansas Geological Society Well Sample Library, located in Wichita, KS.

Respectfully Submitted,
Jeremy Schwartz
Geologist

CONTRACTOR

Contractor:	WW Drilling		
Rig #:	114		
Rig Type:	mud rotary		
Spud Date:	7/25/2020	Time:	6:00 PM
TD Date:	8/2/2020	Time:	12:30 AM
Rig Release:		Time:	

ELEVATIONS

K.B. Elevation:	2079.00ft	Ground Elevation:	2068.00ft
K.B. to Ground:	11.00ft		

DATE	DEPTH	ACTIVITY
Tuesday, July 28, 2020	2000'	Geologist Jeremy Schwartz on location @0600hrs, ~2000', Drlg ahead through Paddock LS,
		Hollenberg LS, Herrington, Krider, CFS @ 2078', gas kick/show in Herrington & Krider warrants
	2078'	test, conduct DST #1 in the Herrington-Krider, successful test, resume drlg ahead through
	2128'	Winfield, CFS @ 2128'
Wednesday, July 29, 2020	2184'	resume drlg through lower Winfield, Towanda, CFS @ 2184', resume drlg through lower
	2245'	Towanda, Ft. Riley, CFS @ 2245', gas kick and show in Ft. Riley warrants test
		drop survey, strap out for DST #2 in the Ft. Riley,
Thursday, July 30, 2020	2245'	Successful test, resume drlg ahead
Friday, July 31, 2020	3263'	CFS @ 3263' for gas kick, resume drlg ahead through King Hill, Queen Hill, Heebner,
		Douglas, very slow ROP in Douglas, CTCH 30min @ 3531', spot 20bbls mud, resume drlg
		ahead through Douglas with good ROP @ 3532', drlg ahead through Lansing,
Saturday, August 01, 2020	2875'	CFS @ 3875', Conduct Bit Trip below BKC, resume drlg ahead through Marmaton,
	3975'	CFS @ 3975', resume drlg, CFS @ 3981', resume drlg ahead through Arbuckle to TD of 4050'
Sunday, August 02, 2020	4050'	TD of 4050' reached at 0030hrs, CTCH 90", drop survey TOH to conduct logging operations
		Logging operations complete @ 0945hrs, Geologist Jeremy Schwartz off location @ 1015hrs

					GAS - P&A						D&A						D&A					
					Beren Corp.						Helmerich and Payne						Shelby Resources, LLC					
					Josefiak #1						Wilson #1						French #1-27					
	M-B Unit 1-26				NW-SW-NW Sec. 26-21S-17W						NE-NE-SE Sec. 26-21S-17W						W/2-SE-SW-SE Sec. 27-21S-17W					
	KB	2079			KB	2080					KB	2056					KB	2045				
	LOG TOPS		SAMPLE TOPS		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.	
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.		CORR.		DEPTH	DATUM	CORR.		CORR.		DEPTH	DATUM	CORR.		CORR.	
ANHYDRITE TOP	1092	987	1088	991	1075	1005	-	18	-	14	1075	981	+	6	+	10	1047	998	-	11	-	7
BASE	1115	964			1100	980	-	16									1070	975	-	11		
PADDOCK LS	1995	84	1998	81	1986	94	-	10	-	13							1952	93	-	9	-	12
HOLLENBERG LS	2014	65	2016	63	2005	75	-	10	-	12							1971	74	-	9	-	11
HERRINGTON	2048	31	2050	29	2041	39	-	8	-	10							2006	39	-	8	-	10
KRIDER	2071	8	2073	6	2062	18	-	10	-	12							2030	15	-	7	-	9
KRIDER POROSITY	2076	3	2074	5	2068	12	-	9	-	7												
WINFIELD	2102	-23	2098	-19													2054	-9	-	14	-	10
TOWANDA	2168	-89	2168	-89													2126	-81	-	8	-	8
FT RILEY	2214	-135	2213	-134													2171	-126	-	9	-	8
HEEBNER	3477	-1398	3476	-1397													3425	-1380	-	18	-	17
DOUGLAS	3504	-1425	3500	-1421													3452	-1407	-	18	-	14
BROWN LIME	3566	-1487	3565	-1486													3512	-1467	-	20	-	19
LANSING	3577	-1498	3576	-1497							3584	-1528	+	30	+	31	3522	-1477	-	21	-	20
LKC G POROSITY	3654	-1575	3654	-1575													3603	-1558	-	17	-	17
MUNCIE CREEK	3712	-1633	3712	-1633													3652	-1607	-	26	-	26
LKC H	3722	-1643	3722	-1643													3661	-1616	-	27	-	27
STARK	3781	-1702	3781	-1702													3724	-1679	-	23	-	23
BKC	3839	-1760	3841	-1762													3786	-1741	-	19	-	21
MARMATON	3849	-1770	3852	-1773													3796	-1751	-	19	-	22
ARBUCKLE	3972	-1893	3970	-1891							3977	-1921	+	28	+	30	3903	-1858	-	35	-	33
RTD			4050	-1971	2082	-2					4032	-1976			+	5	4265	-2220			+	249
LTD	4051	-1972			2078	2											4264	-2219	+	247		

ROCK TYPES

Congl
Dolprim
Lmst fw<7
shale, grn
shale, gry
Carbon Sh
shale, red

ACCESSORIES

FOSSIL
- Bioclastic or Fragmental
- Oomoldic

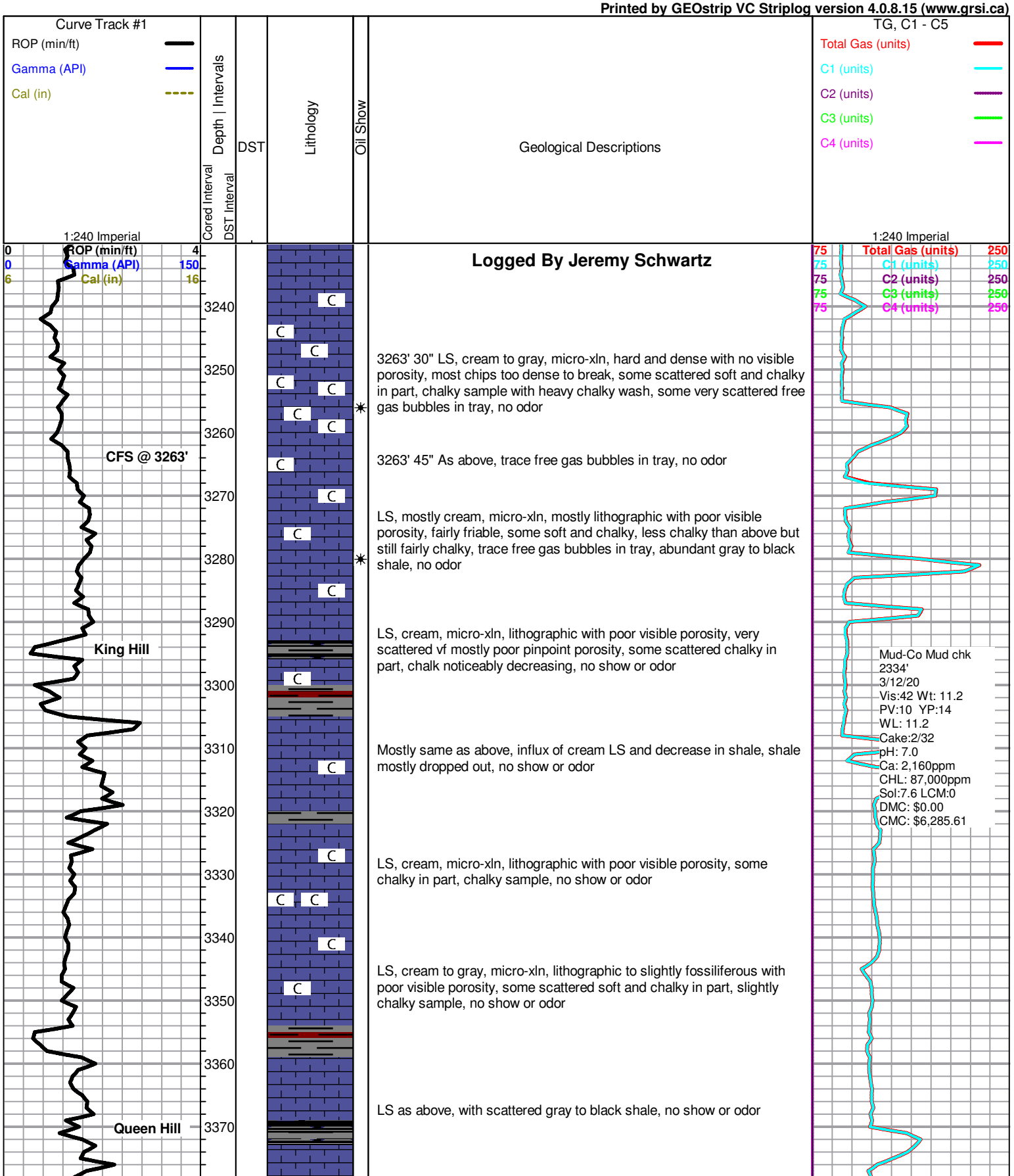
STRINGER
- Chert
- Limestone
- Shale
- red shale

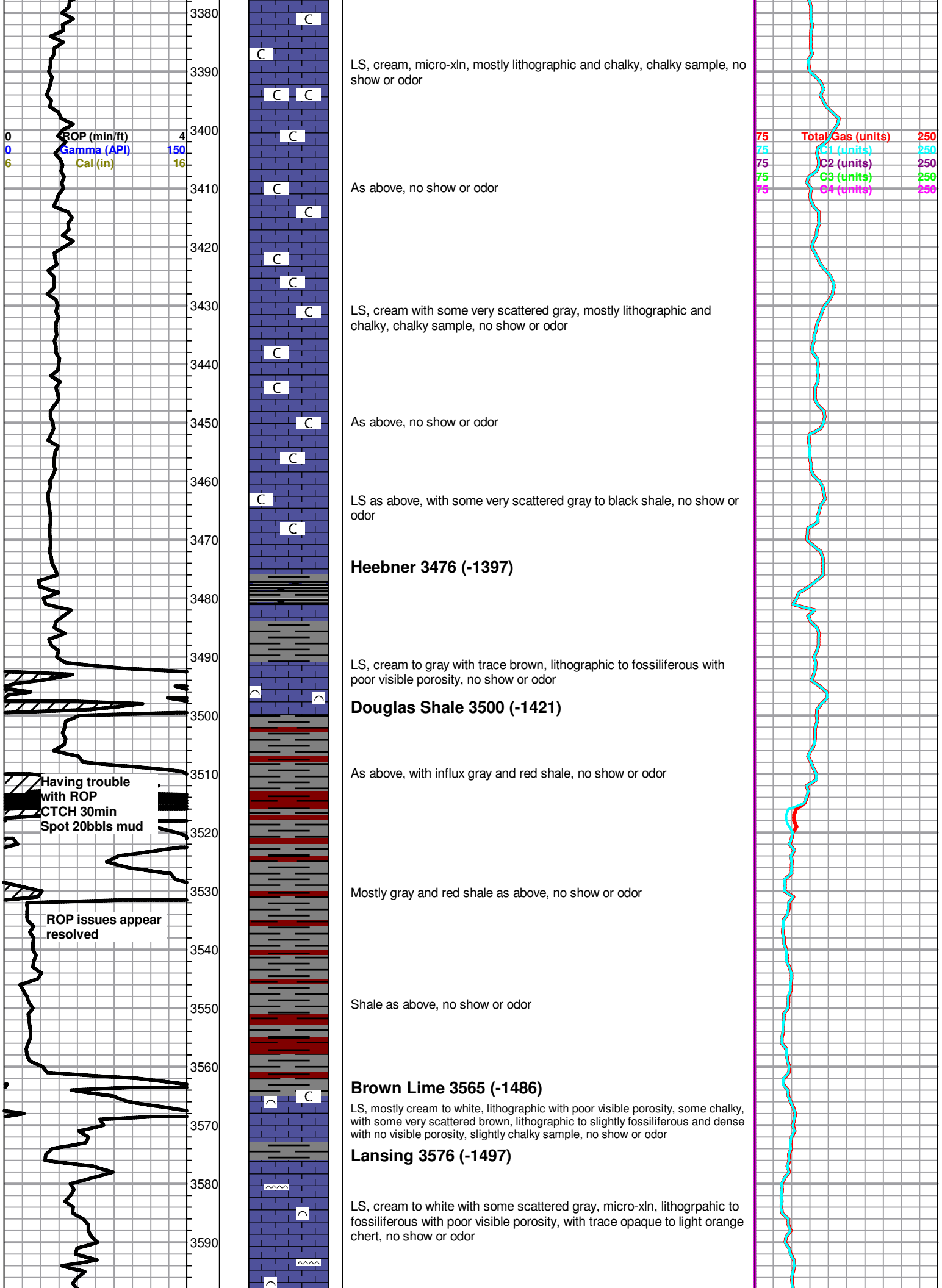
TEXTURE
- C Chalky

OTHER SYMBOLS

DST
- DST Int
- DST alt

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





LS, cream, micro-xln, mostly lithographic and chalky, chalky sample, no show or odor

As above, no show or odor

LS, cream with some very scattered gray, mostly lithographic and chalky, chalky sample, no show or odor

As above, no show or odor

LS as above, with some very scattered gray to black shale, no show or odor

Heebner 3476 (-1397)

LS, cream to gray with trace brown, lithographic to fossiliferous with poor visible porosity, no show or odor

Douglas Shale 3500 (-1421)

As above, with influx gray and red shale, no show or odor

Mostly gray and red shale as above, no show or odor

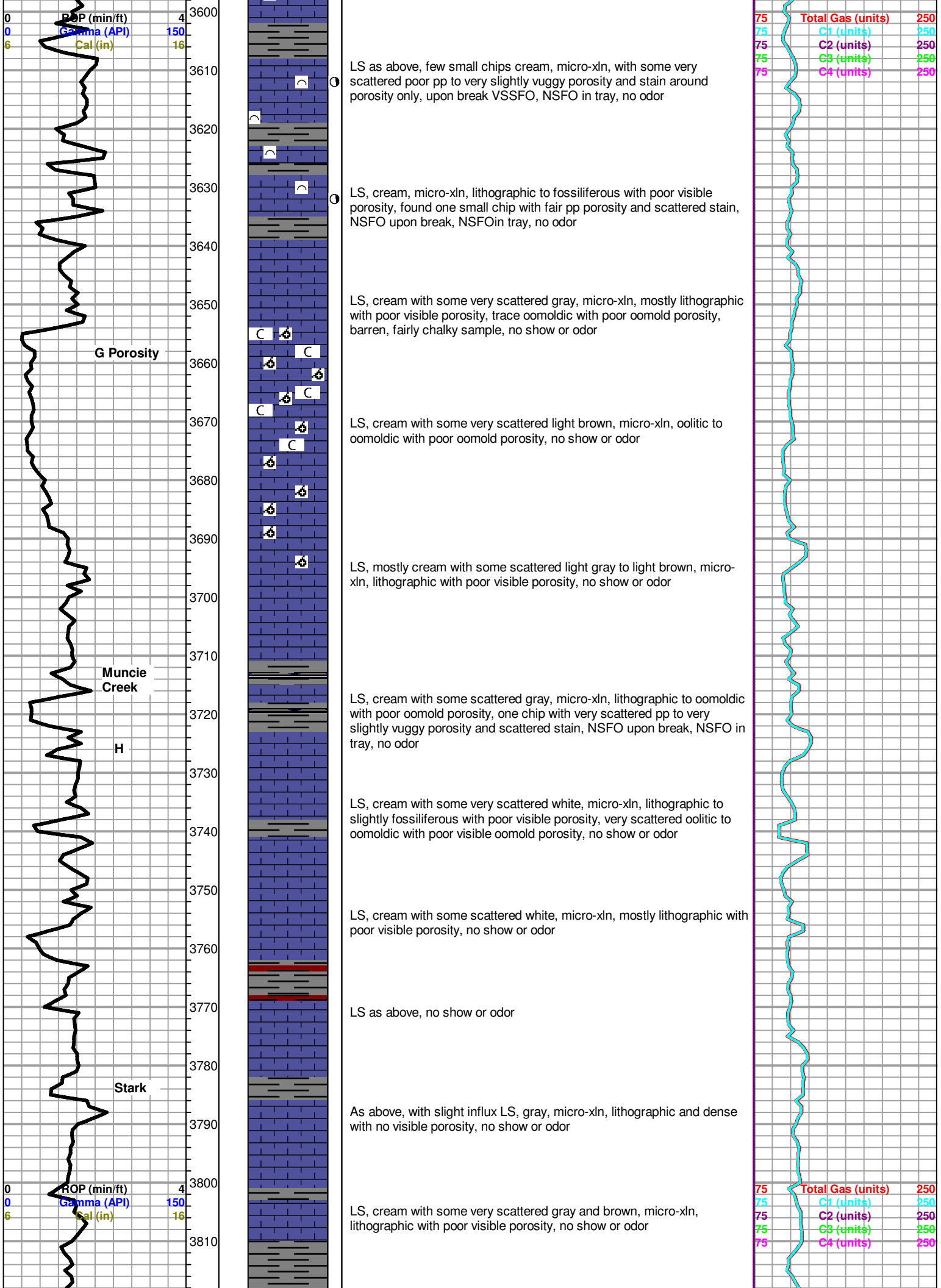
Shale as above, no show or odor

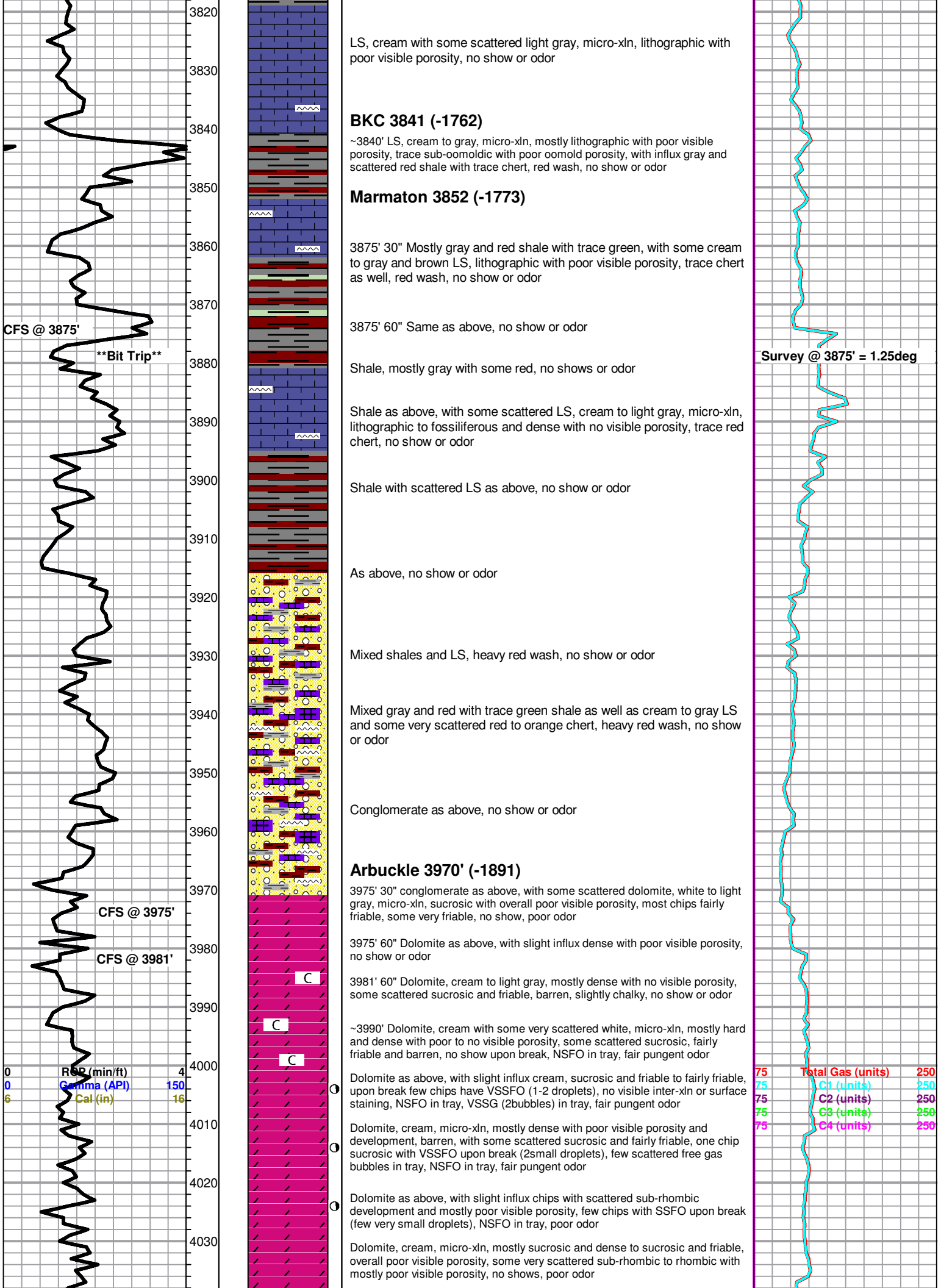
Brown Lime 3565 (-1486)

LS, mostly cream to white, lithographic with poor visible porosity, some chalky, with some very scattered brown, lithographic to slightly fossiliferous and dense with no visible porosity, slightly chalky sample, no show or odor

Lansing 3576 (-1497)

LS, cream to white with some scattered gray, micro-xln, lithogrpahic to fossiliferous with poor visible porosity, with trace opaque to light orange chert, no show or odor


0 ROP (min/ft) 4
0 Gamma (API) 150
6 Cal (in) 16
3600
3610
3620
3630
3640
3650
3660
3670
3680
3690
3700
3710
3720
3730
3740
3750
3760
3770
3780
3790
3800
3810
G Porosity
Muncie Creek
H
Stark
75 Total Gas (units) 250
75 C1 (units) 250
75 C2 (units) 250
75 C3 (units) 250
75 C4 (units) 250
LS as above, few small chips cream, micro-xln, with some very scattered poor pp to very slightly vuggy porosity and stain around porosity only, upon break VSSFO, NSFO in tray, no odor
LS, cream, micro-xln, lithographic to fossiliferous with poor visible porosity, found one small chip with fair pp porosity and scattered stain, NSFO upon break, NSFOin tray, no odor
LS, cream with some very scattered gray, micro-xln, mostly lithographic with poor visible porosity, trace oomoldic with poor oomold porosity, barren, fairly chalky sample, no show or odor
LS, cream with some very scattered light brown, micro-xln, oolitic to oomoldic with poor oomold porosity, no show or odor
LS, mostly cream with some scattered light gray to light brown, micro-xln, lithographic with poor visible porosity, no show or odor
LS, cream with some scattered gray, micro-xln, lithographic to oomoldic with poor oomold porosity, one chip with very scattered pp to very slightly vuggy porosity and scattered stain, NSFO upon break, NSFO in tray, no odor
LS, cream with some very scattered white, micro-xln, lithographic to slightly fossiliferous with poor visible porosity, very scattered oolitic to oomoldic with poor visible oomold porosity, no show or odor
LS, cream with some scattered white, micro-xln, mostly lithographic with poor visible porosity, no show or odor
LS as above, no show or odor
As above, with slight influx LS, gray, micro-xln, lithographic and dense with no visible porosity, no show or odor
LS, cream with some very scattered gray and brown, micro-xln, lithographic with poor visible porosity, no show or odor



LS, cream with some scattered light gray, micro-xln, lithographic with poor visible porosity, no show or odor

BKC 3841 (-1762)

~3840' LS, cream to gray, micro-xln, mostly lithographic with poor visible porosity, trace sub-oomoldic with poor oomold porosity, with influx gray and scattered red shale with trace chert, red wash, no show or odor

Marmaton 3852 (-1773)

3875' 30" Mostly gray and red shale with trace green, with some cream to gray and brown LS, lithographic with poor visible porosity, trace chert as well, red wash, no show or odor

3875' 60" Same as above, no show or odor

Shale, mostly gray with some red, no shows or odor

Shale as above, with some scattered LS, cream to light gray, micro-xln, lithographic to fossiliferous and dense with no visible porosity, trace red chert, no show or odor

Shale with scattered LS as above, no show or odor

As above, no show or odor

Mixed shales and LS, heavy red wash, no show or odor

Mixed gray and red with trace green shale as well as cream to gray LS and some very scattered red to orange chert, heavy red wash, no show or odor

Conglomerate as above, no show or odor

Arbuckle 3970' (-1891)

3975' 30" conglomerate as above, with some scattered dolomite, white to light gray, micro-xln, sucrosic with overall poor visible porosity, most chips fairly friable, some very friable, no show, poor odor

3975' 60" Dolomite as above, with slight influx dense with poor visible porosity, no show or odor

3981' 60" Dolomite, cream to light gray, mostly dense with no visible porosity, some scattered sucrosic and friable, barren, slightly chalky, no show or odor

~3990' Dolomite, cream with some very scattered white, micro-xln, mostly hard and dense with poor to no visible porosity, some scattered sucrosic, fairly friable and barren, no show upon break, NSFO in tray, fair pungent odor

Dolomite as above, with slight influx cream, sucrosic and friable to fairly friable, upon break few chips have VSSFO (1-2 droplets), no visible inter-xln or surface staining, NSFO in tray, VSSG (2bubbles) in tray, fair pungent odor

Dolomite, cream, micro-xln, mostly dense with poor visible porosity and development, barren, with some scattered sucrosic and fairly friable, one chip sucrosic with VSSFO upon break (2small droplets), few scattered free gas bubbles in tray, NSFO in tray, fair pungent odor

Dolomite as above, with slight influx chips with scattered sub-rhombic development and mostly poor visible porosity, few chips with SSFO upon break (few very small droplets), NSFO in tray, poor odor

Dolomite, cream, micro-xln, mostly sucrosic and dense to sucrosic and friable, overall poor visible porosity, some very scattered sub-rhombic to rhombic with mostly poor visible porosity, no shows, poor odor

4040

4050

4060

4050' 30 & 60" Dolomite, cream with some very scattered light brown, micro-xln, mostly dense with no visible porosity, some very scattered sub-rhombic with poor visible porosity, no show or odor

Rotary TD 4050' @ 0030hrs 8/2/20
Eli Wireline Services Logging TD @ 4051'
Complete Logging Operations @ 0945hrs 8/2/20
Geologist Jeremy Schwartz off location @ 1015hrs 8/2/20

Survey @ 4050' = 1deg

DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

3700 Quebec Steet Unit 100 PMB376
Denver Colorado 80207

ATTN: Jeremy Schwartz

26-21s-17w Pawnee

Start Date: 2020.07.28 @ 13:33:00
End Date: 2020.07.28 @ 18:53:00
Job Ticket #: 01453 DST #: 1

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2020.07.28 @ 19:12:13

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Steet Unit 100 PMB376
Denver Colorado 80207

ATTN: Jeremy Schw artz

26-21s-17w Pawnee

Job Ticket: 01453 **DST#: 1**

Test Start: 2020.07.28 @ 13:33:00

GENERAL INFORMATION:

Formation: **Herrington-Krider**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:20:00
Time Test Ended: 18:53:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 1-52

Interval: 2023.00 ft (KB) To 2078.00 ft (KB) (TVD)
Total Depth: 2078.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

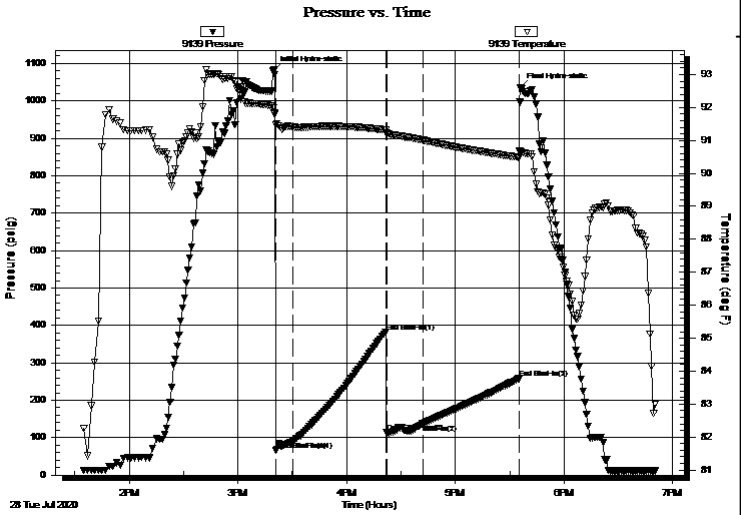
Reference Elevations: 2079.00 ft (KB)
2068.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9139 **Outside**

Press@RunDepth: 258.21 psig @ 2074.90 ft (KB)
Start Date: 2020.07.28 End Date: 2020.07.28
Start Time: 13:33:00 End Time: 18:50:30

Capacity: 5000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2020.07.28 @ 15:20:00
Time Off Btm: 2020.07.28 @ 17:36:00

TEST COMMENT: !st Opening 15 Minutes w eak blow built to 1 inch decreasw d to 1/2 inch blow
1st Shut-In 45 Minutes
2nd Opening 15 Minutes no blow
2nd Shut-In 60 Minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1082.02	91.83	Initial Hydro-static
1	66.58	91.48	Open To Flow (1)
11	89.59	91.41	Shut-In(1)
62	381.81	91.31	End Shut-In(1)
62	114.67	91.22	Open To Flow (2)
82	137.04	91.01	Shut-In(2)
135	258.21	90.48	End Shut-In(2)
136	1034.95	90.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	drilling mud	0.62

Gas Rates

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

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Steet Unit 100 PMB376
Denver Colorado 80207

ATTN: Jeremy Schw artz

26-21s-17w Pawnee

Job Ticket: 01453 **DST#: 1**

Test Start: 2020.07.28 @ 13:33:00

GENERAL INFORMATION:

Formation: **Herrington-Krider**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:20:00
Time Test Ended: 18:53:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 1-52

Interval: 2023.00 ft (KB) To 2078.00 ft (KB) (TVD)
Total Depth: 2078.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

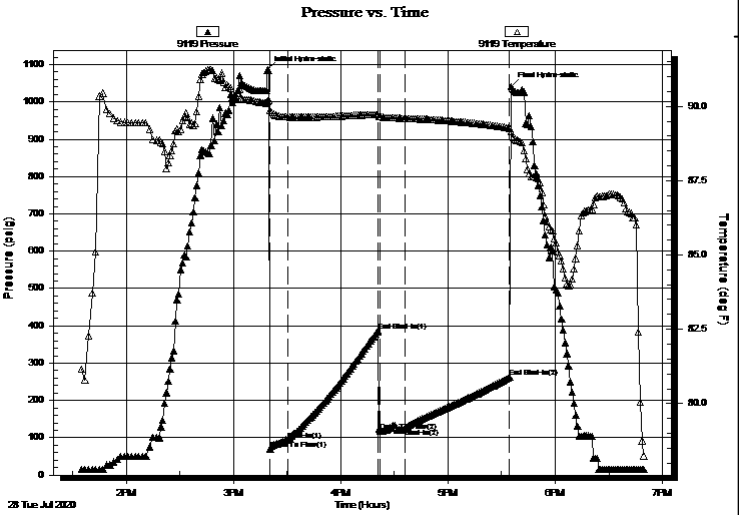
Reference Elevations: 2079.00 ft (KB)
2068.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9119 **Inside**

Press@RunDepth: 262.55 psig @ 2073.90 ft (KB)
Start Date: 2020.07.28 End Date: 2020.07.28
Start Time: 13:33:00 End Time: 18:49:59

Capacity: 5000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2020.07.28 @ 15:19:00
Time Off Btm: 2020.07.28 @ 17:35:30

TEST COMMENT: !st Opening 15 Minutes w eak blow built to 1 inch decreasw d to 1/2 inch blow
1st Shut-In 45 Minutes
2nd Opening 15 Minutes no blow
2nd Shut-In 60 Minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1085.30	90.15	Initial Hydro-static
2	70.10	89.86	Open To Flow (1)
12	94.39	89.64	Shut-In(1)
62	387.05	89.73	End Shut-In(1)
63	117.66	89.65	Open To Flow (2)
77	125.19	89.59	Shut-In(2)
136	262.55	89.27	End Shut-In(2)
137	1041.37	89.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	drilling mud	0.62

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources LLC

26-21s-17w Pawnee

3700 Quebec Steet Unit 100 PMB376
Denver Colorado 80207

Job Ticket: 01453 **DST#: 1**

ATTN: Jeremy Schwartz

Test Start: 2020.07.28 @ 13:33:00

Tool Information

Drill Pipe:	Length:	1902.00 ft	Diameter:	3.80	inches	Volume:	26.68	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	117.00 ft	Diameter:	2.25	inches	Volume:	0.58	bbl	
						Total Volume:	27.26	bbl	

Drill Pipe Above KB:	24.00 ft
Depth to Top Packer:	2023.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	54.90 ft
Tool Length:	82.90 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2000.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	52000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	40000.00 lb
Final	40000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			2000.00		
Hydraulic tool	5.00			2005.00		
Jars	6.00			2011.00		
Safety Joint	2.00		Fluid	2013.00		
Top Packer	5.00			2018.00		
Packer	5.00			2023.00	28.00	Bottom Of Top Packer
Change Over Sub	0.75			2023.75		
Drill Pipe	31.40			2055.15		
Change Over Sub	0.75			2055.90		
Anchor	17.00			2072.90		
Recorder	1.00	9119	Inside	2073.90		
Recorder	1.00	9139	Outside	2074.90		
Bullnose	3.00			2077.90	54.90	Anchor Tool
Total Tool Length:	**82.90**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

3700 Quebec Steet Unit 100 PMB376
Denver Colorado 80207

ATTN: Jeremy Schwartz

26-21s-17w Pawnee

Job Ticket: 01453 **DST#: 1**

Test Start: 2020.07.28 @ 13:33:00

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:	46.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.60 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	46100.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

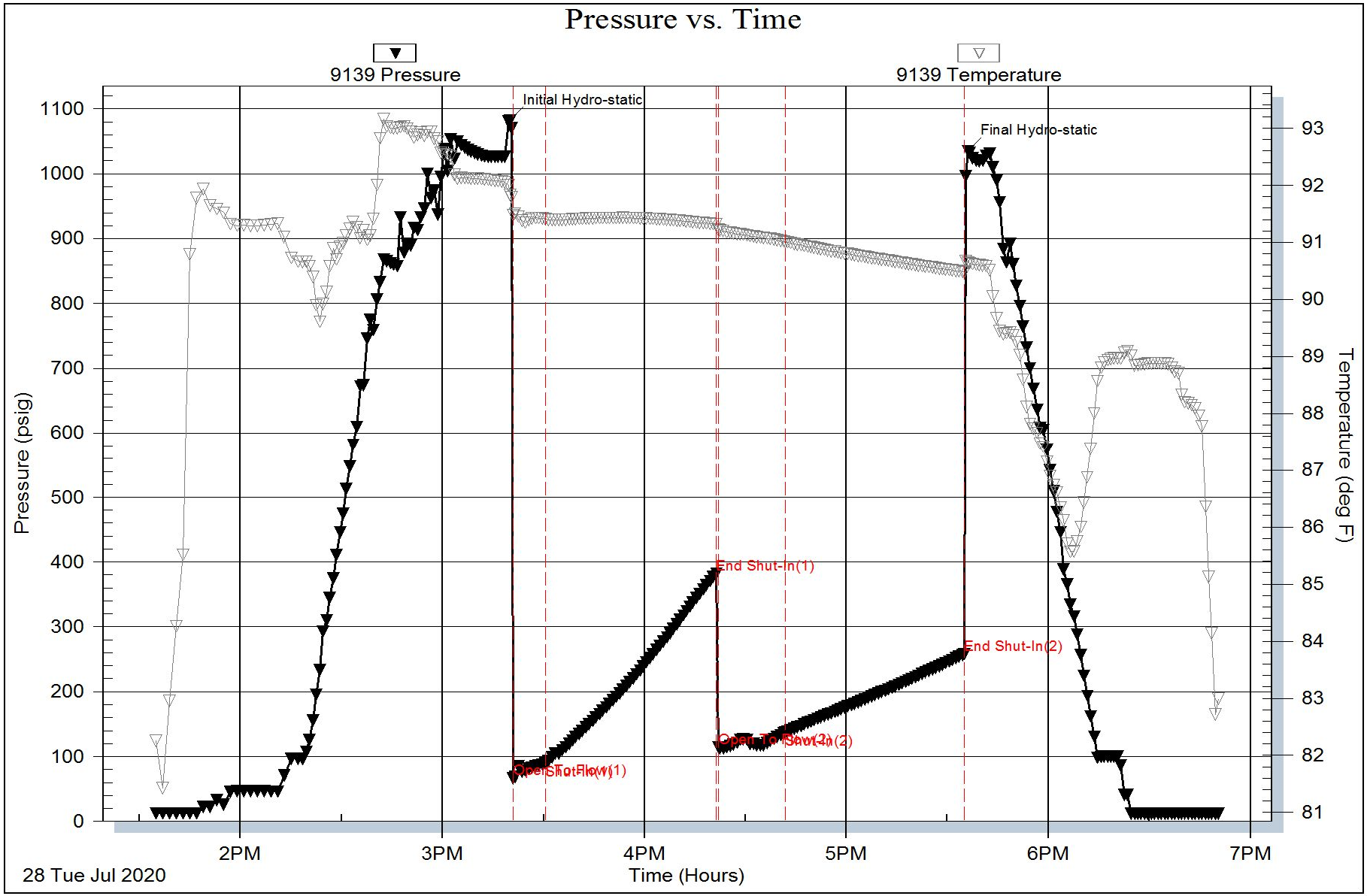
Recovery Table

Length ft	Description	Volume bbl
120.00	drilling mud	0.617

Total Length: 120.00 ft Total Volume: 0.617 bbl

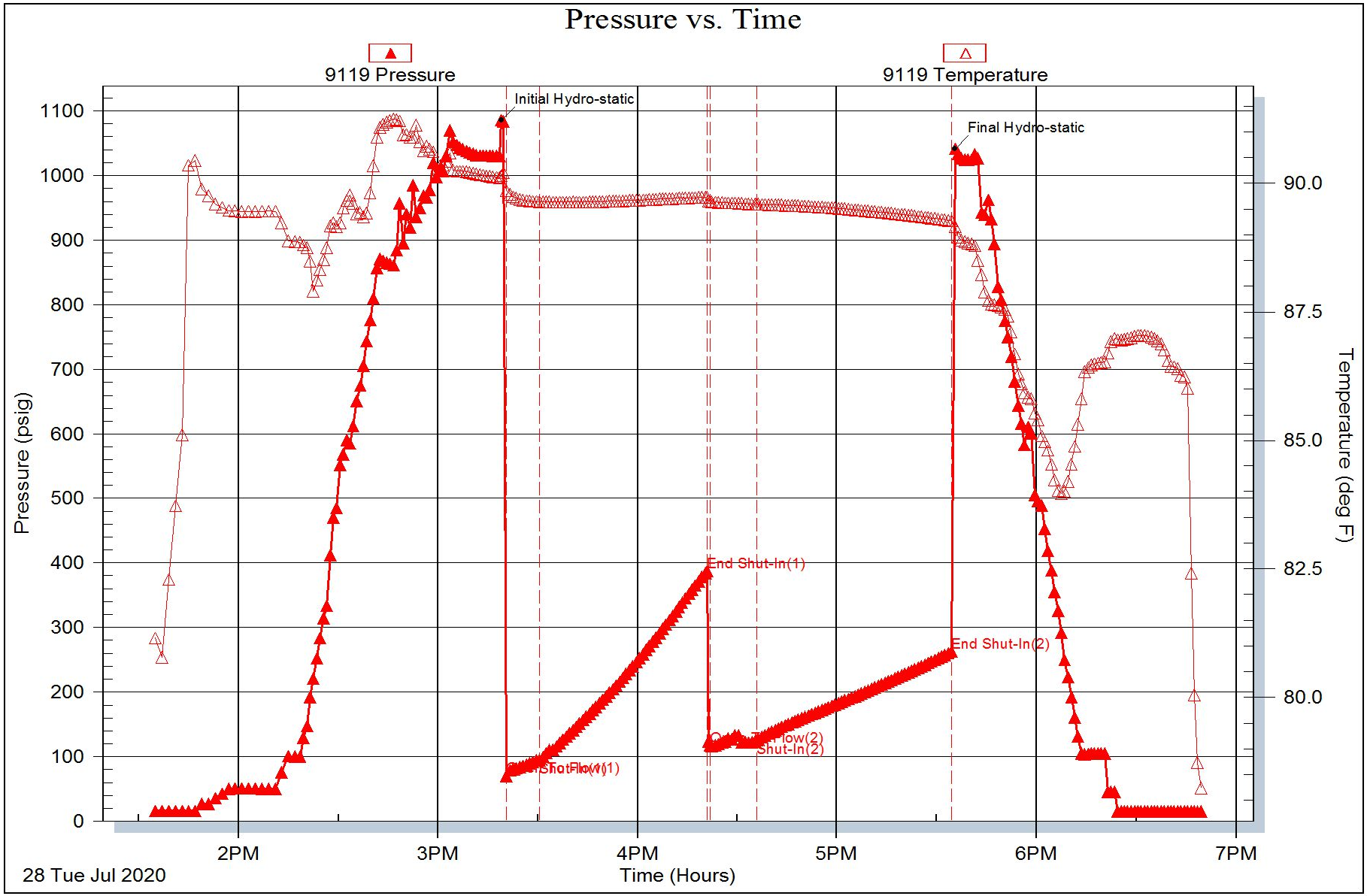
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 9139 **Outside** Shelby Resources LLC DST Test Number: 1



Eagle Testers Ref. No: 01453 Printed: 2020.07.28 @ 19:12:15

Serial #: 9119 **Inside** Shelby Resources LLC DST Test Number: 1



Eagle Testers Ref. No: 01453 Printed: 2020.07.28 @ 19:12:15

DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

3700 Quebec Steet Unit 100 PMB376
Denver Colorado 80207

ATTN: Jeremy Schwartz

26-21s-17w Pawnee

Start Date: 2020.07.29 @ 07:36:00
End Date: 2020.07.29 @ 14:13:00
Job Ticket #: 01453 DST #: 2

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2020.07.29 @ 15:23:51

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Steet Unit 100 PMB376
Denver Colorado 80207

ATTN: Jeremy Schwartz

26-21s-17w Pawnee

Job Ticket: 01453 **DST#: 2**

Test Start: 2020.07.29 @ 07:36:00

GENERAL INFORMATION:

Formation: **Fort Riley**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:00:00
Time Test Ended: 14:13:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 1

Interval: 2203.00 ft (KB) To 2245.00 ft (KB) (TVD)
Total Depth: 2245.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

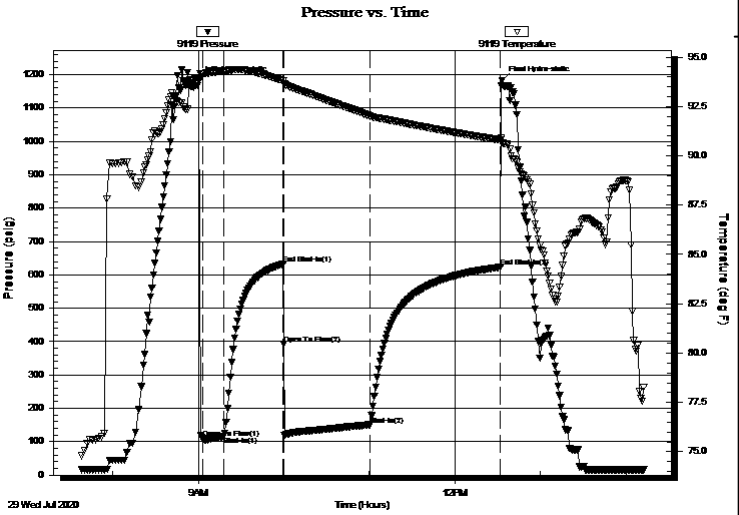
Reference Elevations: 2079.00 ft (KB)
2068.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9119 **Inside**

Press@RunDepth: 623.10 psig @ 2230.00 ft (KB)
Start Date: 2020.07.29 End Date: 2020.07.29
Start Time: 07:38:00 End Time: 14:12:30

Capacity: 5000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2020.07.29 @ 09:00:30
Time Off Btm: 2020.07.29 @ 12:33:00

TEST COMMENT:
1st opening 15 Minutes fair blow built to the bottom of a 5 gallon bucket in 7 minutes
1st Shut-In- 45 Minutes slight blow back
2nd opening 60 Minutes weak building blow built to the bottom of the bucket in 17 minutes
2nd shut-In 90 Minutes no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1181.36	93.95	Initial Hydro-static
3	110.47	94.16	Open To Flow (1)
18	115.84	94.28	Shut-In(1)
60	632.96	93.80	End Shut-In(1)
60	393.64	93.63	Open To Flow (2)
120	150.66	92.00	Shut-In(2)
212	623.10	90.80	End Shut-In(2)
213	1183.01	90.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	muddy water 30% Mud 70% Water	1.88
0.00	chlorides 88,000	0.00

Gas Rates

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

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Steet Unit 100 PMB376
Denver Colorado 80207

ATTN: Jeremy Schwartz

26-21s-17w Pawnee

Job Ticket: 01453 **DST#: 2**

Test Start: 2020.07.29 @ 07:36:00

GENERAL INFORMATION:

Formation: **Fort Riley**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:00:00
Time Test Ended: 14:13:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 1

Interval: 2203.00 ft (KB) To 2245.00 ft (KB) (TVD)
Total Depth: 2245.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

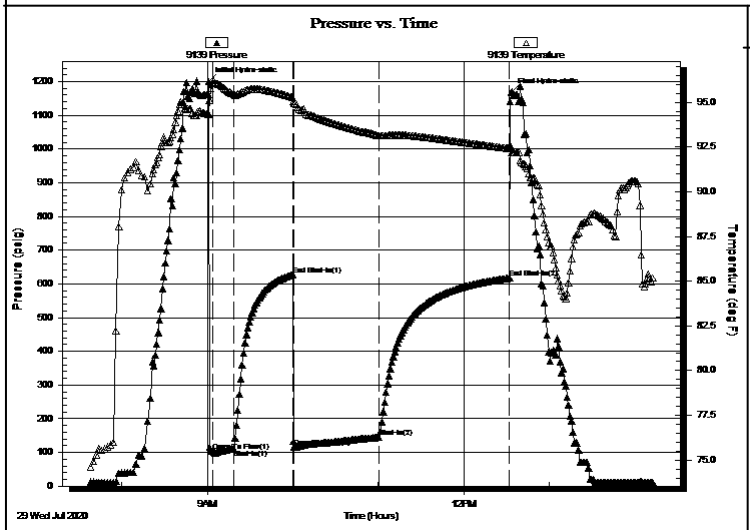
Reference Elevations: 2079.00 ft (KB)
2068.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9139 **Outside**

Press@RunDepth: 617.17 psig @ 2231.00 ft (KB)
Start Date: 2020.07.29 End Date: 2020.07.29
Start Time: 07:38:00 End Time: 14:13:00

Capacity: 5000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2020.07.29 @ 09:01:00
Time Off Btm: 2020.07.29 @ 12:33:00

TEST COMMENT: 1st opening 15 Minutes fair blow built to the bottom of a 5 gallon bucket in 7 minutes
1st Shut-In- 45 Minutes slight blow back
2nd opening 60 Minutes weak building blow built to the bottom of the bucket in 17 minutes
2nd shut-In 90 Minutes no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1200.10	94.38	Initial Hydro-static
3	104.04	96.05	Open To Flow (1)
18	110.60	95.41	Shut-In(1)
59	627.84	95.28	End Shut-In(1)
60	116.48	94.96	Open To Flow (2)
120	144.95	93.13	Shut-In(2)
211	617.17	92.41	End Shut-In(2)
212	1167.54	92.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	muddy water 30% Mud 70% Water	1.88
0.00	chlorides 88,000	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources LLC

26-21s-17w Pawnee

3700 Quebec Steet Unit 100 PMB376
Denver Colorado 80207

Job Ticket: 01453 **DST#: 2**

ATTN: Jeremy Schw artz

Test Start: 2020.07.29 @ 07:36:00

Tool Information

Drill Pipe:	Length:	2057.00 ft	Diameter:	3.80	inches	Volume:	28.85	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	117.00 ft	Diameter:	2.25	inches	Volume:	0.58	bbl	
						Total Volume:	29.43	bbl	

Drill Pipe Above KB:	31.00 ft
Depth to Top Packer:	2203.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	31.00 ft
Tool Length:	91.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		44000.00 lb
Tool Chased		4.00 ft
String Weight:	Initial	40000.00 lb
	Final	41000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			2148.00		
Hydraulic tool	5.00			2153.00		
Jars	6.00			2159.00		
Safety Joint	2.00		Fluid	2161.00		
Top Packer	5.00			2166.00		
Packer	37.00			2203.00	60.00	Bottom Of Top Packer
Anchor	26.00			2229.00		
Recorder	1.00	9119	Inside	2230.00		
Recorder	1.00	9139	Outside	2231.00		
Bullnose	3.00			2234.00	31.00	Anchor Tool
Total Tool Length:	**91.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

3700 Quebec Steet Unit 100 PMB376
Denver Colorado 80207

ATTN: Jeremy Schw artz

26-21s-17w Pawnee

Job Ticket: 01453 **DST#: 2**

Test Start: 2020.07.29 @ 07:36:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	43.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	13.59 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	93000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	muddy w ater 30% Mud 70% Water	1.880
0.00	chlorides 88,000	0.000

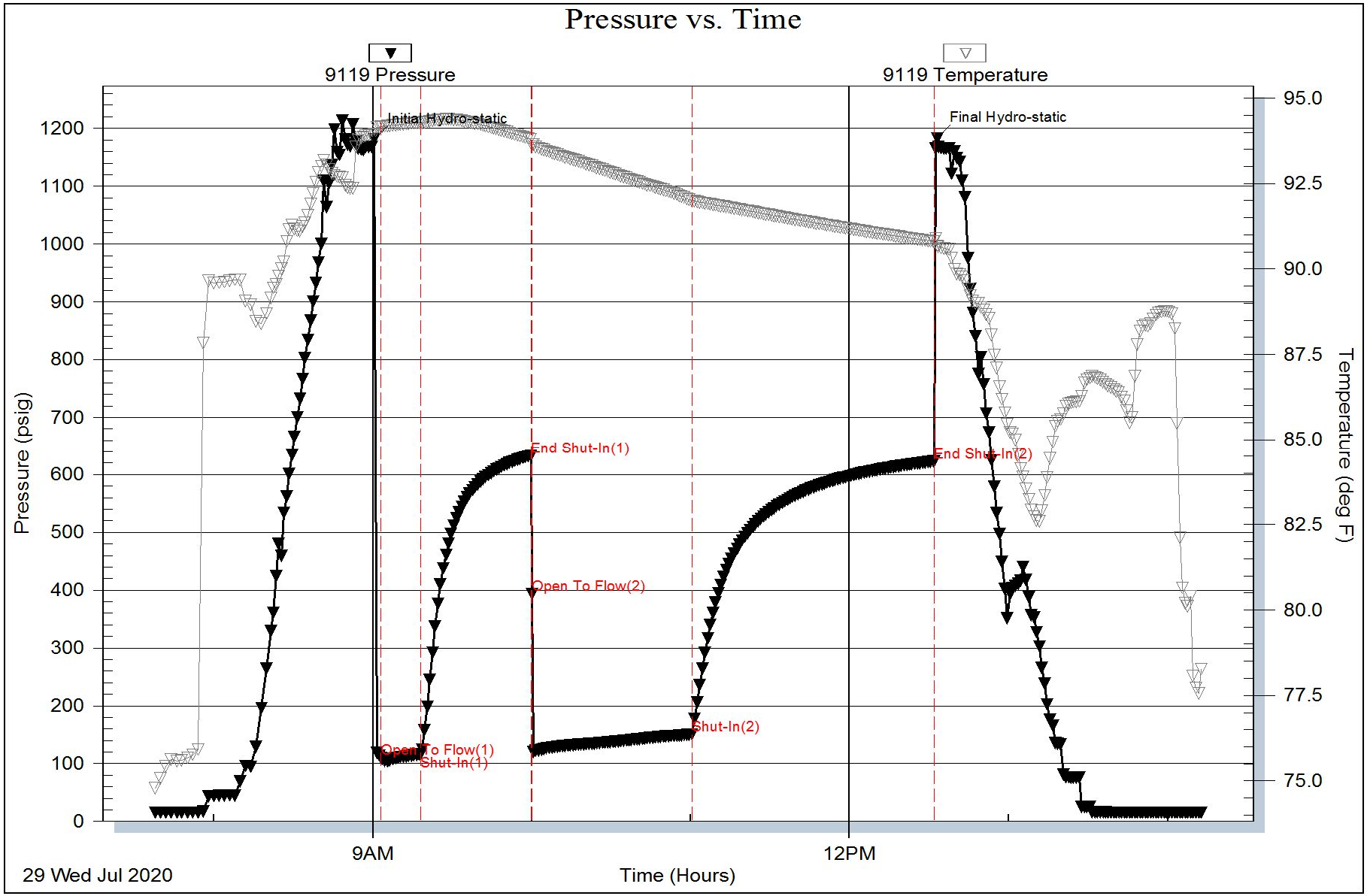
Total Length: 210.00 ft Total Volume: 1.880 bbl

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

Laboratory Name: Laboratory Location:

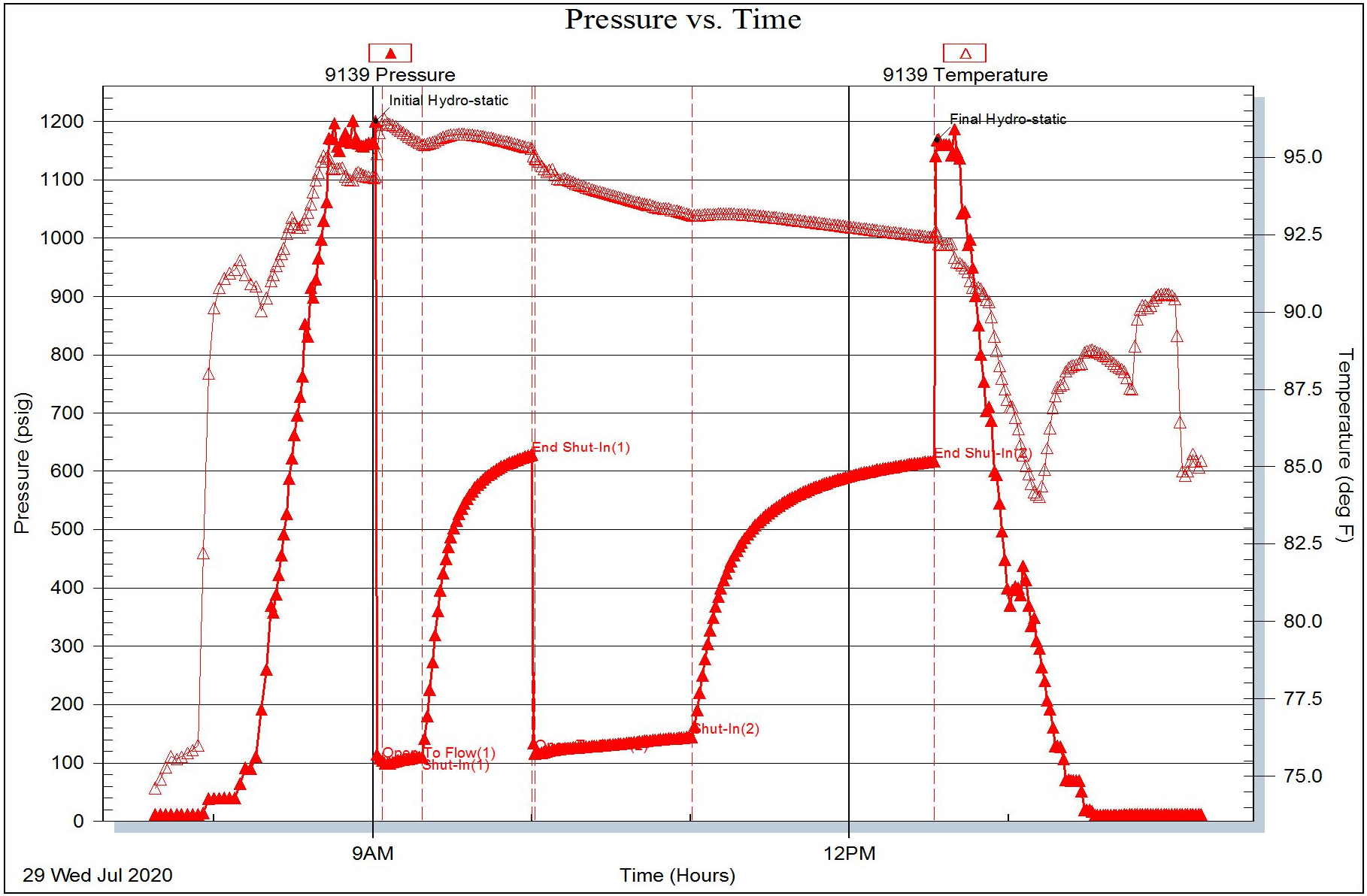
Recovery Comments: Slid tool 4 feet to bottom

Serial #: 9119 **Inside** Shelby Resources LLC DST Test Number: 2



Eagle Testers Ref. No: 01453 Printed: 2020.07.29 @ 15:23:54

Serial #: 9139 **Outside** Shelby Resources LLC DST Test Number: 2



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