KOLAR Document ID: 1785660

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 ST STE 100 PMB 376
Address 2:
City: DENVER State: CO Zip: 80207 + 1639
Contact Person: Jim Waechter
Phone: (303) 547-7762
CONTRACTOR: License # 34484
Name: Fossil Drilling, 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 #:

06/13/2024	06/21/2024	06/21/2024
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-151-22593-00-00
Spot Description:
SW - NE - SE - NW Sec. 9 Twp. 29 S. R. 14 ☐ East ☑ West
1943 Feet from ☑ North / ☐ South Line of Section
2305 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: Pratt
Lease Name: KERR MINERALS Well #: 1-9
Field Name:
Producing Formation: N/A
Elevation: Ground: 2022 Kelly Bushing: 2034
Total Vertical Depth: 4743 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 919 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: 31000 ppm Fluid volume: 1800 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

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

Submitted Electronically

KCC Office Use ONLY
☐ **Confidentiality Requested**
Date: 07/09/2024
☐ **Confidential Release Date:** 07/09/2026
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Kelsey Cox **Date:** 07/11/2024

Operator Name: Shelby Resources LLC Lease Name: KERR MINERALS Well #: 1-9

Sec. 9 Twp. 29 S. R. 14 ☐ East ☑ West County: Pratt

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

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

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

List All E. Logs Run:
Attached

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

Name	Top	Datum
Anhydrite	867	1167
Heebner	3840	-1806
Lansing	4028	-1994
BKC	4396	-2362
Simpson	4646	-2612
Arbuckle	4695	-2661

CASING RECORD ☐ New ☑ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	919	H-Con/Class A	500	2%gel, 3% CC

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

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

Date of first Production/Injection or Resumed Production/ Injection:	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: Set At: Packer At:

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

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	KERR MINERALS 1-9
Doc ID	1785660

All Electric Logs Run

Neutron/Density
Dual Induction
Sonic
Micro

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	KERR MINERALS 1-9
Doc ID	1785660

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	919	H-Con/Class A	500	2%gel, 3% CC

HURRICANE SERVICES INC

Remit To: Hurricane Services, Inc.
250 N. Water, Suite 200
Wichita, KS 67202
316-303-9515

Customer:

SHELBY RESOURCES LLC
3700 QUEBEC STREET
SUITE 100 PMB 376
DENVER, CO 80207-1639

Invoice Date:	6/14/2024
Invoice #:	0376977
Lease Name:	Kerr
Well #:	1-9 (New)
County:	Pratt, Ks
Job Number:	WP5484
District:	Pratt

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-CON	250.000	25.000	6,250.00
Cement Class A	250.000	20.000	5,000.00
Calcium Chloride	470.000	0.750	352.50
Cello Flake	64.000	1.750	112.00
8 5/8" Flapper insert valve	1.000	375.000	375.00
8 5/8" Top rubber plug	1.000	175.000	175.00
8 5/8" Centralizer x 12 1/4"	3.000	100.000	300.00
Light Eq Mileage	15.000	2.000	30.00
Heavy Eq Mileage	30.000	4.000	120.00
Ton Mileage	353.000	1.500	529.50
Cement Blending & Mixing	500.000	1.400	700.00
Depth Charge 501'-1000'	1.000	1,250.000	1,250.00
Cement Data Acquisition	1.000	250.000	250.00
Cement Plug Container	1.000	250.000	250.00
Service Supervisor	1.000	275.000	275.00
Liquid Defoamer	3.000	50.000	150.00

Total 16,119.00

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!

Hurricane Services, Inc.
250 N. Water St., Suite #200
Wichita, KS 67202

Customer	SHELBY RESOURCES LLC	Lease & Well #	KERR 1-9			Date	6/14/2024
Service District	PRATT	County & State	PRATT KS	Legals S/T/R	9-29S-14W	Job #	
Job Type	SURFACE ☑ PROD ☐ INJ ☐ SWD			New Well?	☑ YES ☐ No	Ticket #	WP5484

Equipment #	Driver
955	MATTAL
539/621	CLIFTON
176/532	E MCGRAW

Job Safety Analysis - A Discussion of Hazards & Safety Procedures

☑ Hard hat	☑ Gloves	☐ Lockout/Tagout	☐ Warning Signs & Flagging
☑ H2S Monitor	☑ Eye Protection	☐ Required Permits	☐ Fall Protection
☑ Safety Footwear	☐ Respiratory Protection	☐ Slip/Trip/Fall Hazards	☐ Specific Job Sequence/Expectations
☑ FRC/Protective Clothing	☐ Additional Chemical/Acid PPE	☐ Overhead Hazards	☐ Muster Point/Medical Locations
☐ Hearing Protection	☐ Fire Extinguisher	☐ Additional concerns or issues noted below	

Comments

Product/ Service Code	Description	Unit of Measure	Quantity			Net Amount
CP025	H-Con	sack	250.00			$6,250.00
CP010	Class A Cement	sack	250.00			$5,000.00
CP100	Calcium Chloride	lb	470.00			$352.50
CP120	Cello-flake	lb	64.00			$112.00
FE275	8 5/8" AFU Flapper Insert Valve	ea	1.00			$375.00
FE285	8 5/8" Rubber Plug	ea	1.00			$175.00
FE250	8 5/8" Centralizer	ea	3.00			$300.00
M015	Light Equipment Mileage	mi	15.00			$30.00
M010	Heavy Equipment Mileage	mi	30.00			$120.00
M020	Ton Mileage	tm	353.00			$529.50
C060	Cement Blending & Mixing Service	sack	500.00			$700.00
D011	Depth Charge: 501'-1000'	job	1.00			$1,250.00
C035	Cement Data Acquisition	job	1.00			$250.00
C050	Cement Plug Container	job	1.00			$250.00
R061	Service Supervisor	day	1.00			$275.00
CP136	Liquid Defoamer	gal	3.00			$150.00

Customer Section: On the following scale how would you rate Hurricane Services Inc ?

Based on this job, how likely is it you would recommend HSI to a colleague?

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely

			Net:	$16,119.00
Total Taxable	$ -	Tax Rate:		
State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.			Sale Tax:	$ -
			Total:	$ 16,119.00

HSI Representative: *Mike Mattal*

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 ½% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. DISCLAIMER NOTICE: Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X_____ CUSTOMER AUTHORIZATION SIGNATURE

ftv: 7-2020/11/30
mplv: 453-2024/05/20

CEMENT TREATMENT REPORT

Customer:	SHELBY RESOURCES LLC	Well:	KERR 1-9	Ticket:	WP5484
City, State:	COATS KS	County:	PRATT KS	Date:	6/14/2024
Field Rep:		S-T-R:	9-29S-14W	Service:	SURFACE

Downhole Information	
Hole Size:	12 1/4 in
Hole Depth:	920 ft
Casing Size:	8 5/8 in
Casing Depth:	919 ft
Tubing / Liner:	In
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	55.6 bbls

Calculated Slurry - Lead	
Blend:	H-CON
Weight:	12.5 ppg
Water / Sx:	12.3 gal / sx
Yield:	2.17 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	96.6 bbls
Total Sacks:	250 sx

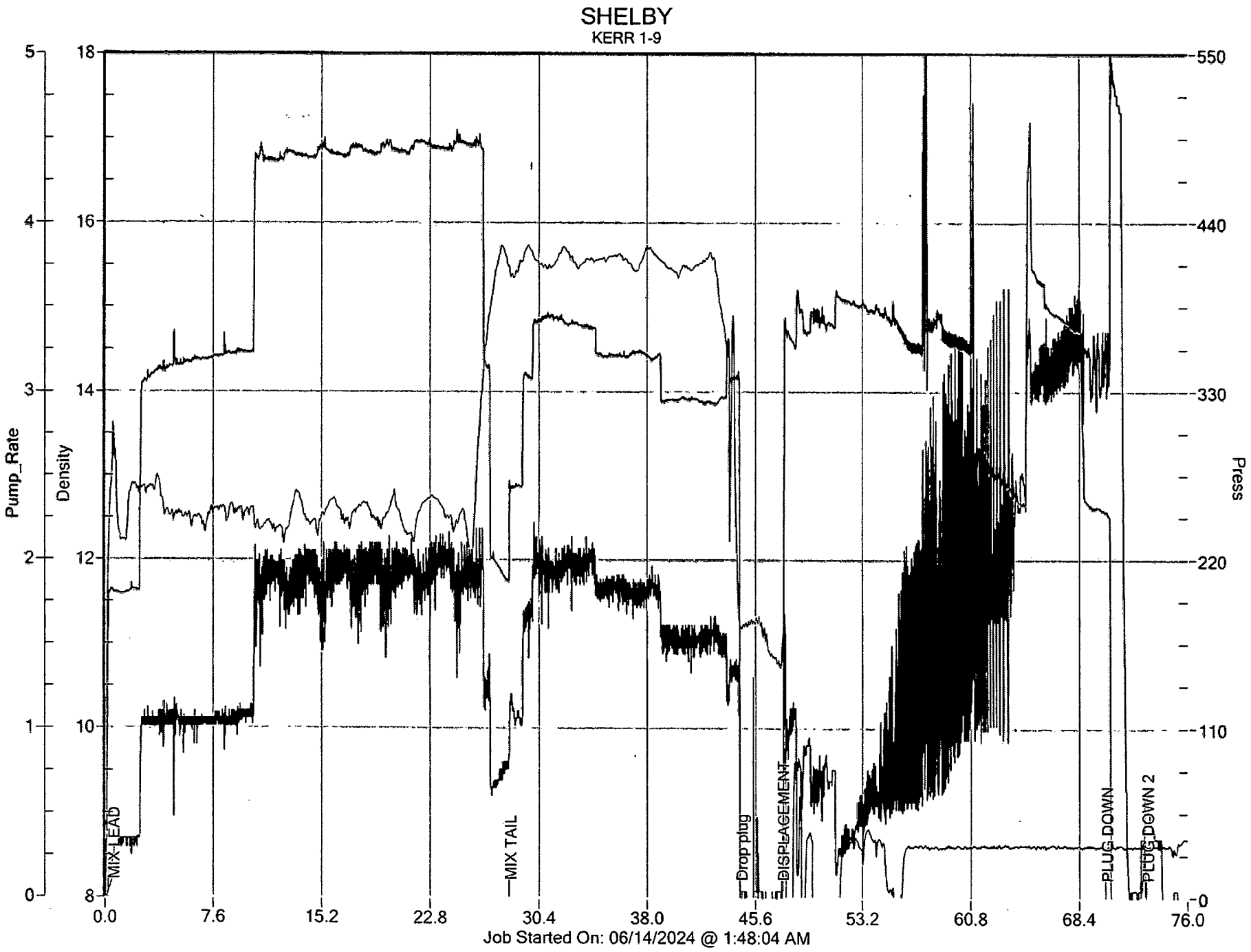
Calculated Slurry - Tail	
Blend:	CLASS A
Weight:	15.6 ppg
Water / Sx:	5.2 gal / sx
Yield:	1.20 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	53.4 bbls
Total Sacks:	250 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
11:00 PM			-	-	ON LOCATION
1:45 AM				-	RUN 8 6/8 23# CASING WITH FLOAT VALVE IN 1ST COLLAR CENTRALIZERS ON 1,9,18
2:40 AM				-	CASING ON BOTTOM
2:45 AM				-	HOOK TO CASING
				-	BREAK CIRCULATION WITH RIG
2:58 AM	2.0	40.0	96.8	96.8	MIX 250 SKS H-CON
3:23 AM	3.4	200.0	53.4	150.2	MIX 250 SKS CLASS A
3:43 AM				150.2	DROP PLUG
3:44 AM	3.5	40.0		150.2	START DISPLACEMENT
4:05 AM		400.0	55.6	205.8	PLUG DOWN, RELEASED BUT DID NOT HOLD
4:07 AM				205.8	PUMP PLUG BACK DOWN AND SHUT IN WELL
					CEMENT TO SURFACE
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	JOB COMPLETE, THANK YOU!
				-	MIKE MATTAL AUSTIN&EJ
				-	

	CREW	UNIT
Cementer:	MATTAL	955
Pump Operator:	CLIFTON	539/521
Bulk #1:	E MCGRAW	176/532
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
3.0 bpm	170 psi	206 bbls

ftv: 7-2020/11/30
mplv: 453-2024/05/20


SHELBY
KERR 1-9
Pump_Rate
Density
Press
5
4
3
2
1
0
18
16
14
12
10
8
550
440
330
220
110
0
0.0
7.6
15.2
22.8
30.4
38.0
45.6
53.2
60.8
68.4
76.0
MIX LEAD
MIX TAIL
Drop plug
DISPLACEMENT
PLUG DOWN
PLUG DOWN 2
Job Started On: 06/14/2024 @ 1:48:04 AM

Scale 1:240 Imperial

Well Name:	Kerr Minerals #1-9		
Surface Location:	1943' FNL _2305' FWL, Sec. 9-T29S-R14W		
Bottom Location:			
API:	15-151-22593-00-00		
License Number:	31725		
Spud Date:	6/13/2024	Time:	1:00 PM
Region:	Pratt County		
Drilling Completed:	6/21/2024	Time:	4:15 PM
Surface Coordinates:			
Bottom Hole Coordinates:			
Ground Elevation:	2022.00ft		
K.B. Elevation:	2034.00ft		
Logged Interval:	3200.00ft	To:	4750.00ft
Total Depth:	4743.00ft		
Formation:			
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:	Jeremy Schwartz		
Contact Phone Nbr:	203-671-6034		
Well Name:	Kerr Minerals #1-9		
Location:	1943' FNL _2305' FWL, Sec. 9-T29S-R14W		
API:	15-151-22593-00-00		
Pool:		Field:	
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 Kerr Minerals #1-9 was drilled to a total depth of 4743', bottoming in the Arbuckle. An iBall Instruments Bloodhound gas detector was employed in the drilling of said well.

Three DST's were conducted during the drilling of this well.

Due to negative drill stem test results, lack of sample shows, gas kicks, and log anlysis 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.

Respectfully Submitted,
Jeremy Schwartz

Geologist

CONTRACTOR

Contractor:	Fossil Drilling		
Rig #:	3		
Rig Type:	mud rotary		
Spud Date:	6/13/2024	Time:	1:00 PM
TD Date:	6/21/2024	Time:	4:15 PM
Rig Release:		Time:	

ELEVATIONS

K.B. Elevation:	2034.00ft	Ground Elevation:	2022.00ft
K.B. to Ground:	12.00ft		

CLIENT:	Shelby Resources, LLC
WELL NAME:	Kerr Minerals #1-9
LEGAL:	SW-NE-SE-NW Sec. 9-T29s-R14w
COUNTY:	Pratt
API :	15-151-22593-00-00
DRLG CONTRACTOR:	Fossill Drilling
RIG #:	3
DOGHOUSE #:	(620) 388-0592
TOOLPUSHER:	Jim Johnson
CELL #:	(620) 886-0940

	Kerr Minerals #1-9				D&A					
					Omo #1					
					General Oil Co., Inc.					
					NW-SE-SW-NW Sec. 9-T29s-R14w					
	KB	2034			KB	2032				
	LOG TOPS		SAMPLE TOPS		COMP. CARD		LOG		SMPL.	
Formation	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.		CORR.	
Anhydrite			867	1167	873	1159			+	8
Stotler	3175	-1141	3178	-1144	3182	-1150	+	9	+	6
Topeka	3477	-1443	3478	-1444	3478	-1446	+	3	+	2
Heebner	3840	-1806	3840	-1806	3842	-1810	+	4	+	4
Douglas	3880	-1846	3880	-1846	3882	-1850	+	4	+	4
Brown Lime	4016	-1982	4016	-1982	4023	-1991	+	9	+	9
Lansing	4028	-1994	4030	-1996	4036	-2004	+	10	+	8
Lansing H	4196	-2162	4197	-2163	4203	-2171	+	9	+	8
Stark	4321	-2287	4320	-2286	4324	-2292	+	5	+	6
BKC	4396	-2362	4400	-2366	4400	-2368	+	6	+	2
Marmaton	4407	-2373	4408	-2374	4412	-2380	+	7	+	6
Viola	4512	-2478	4499	-2465	4529	-2497	+	19	+	32
Simpson Shale	4620	-2586	4625	-2591	4634	-2602	+	16	+	11
Simpson Sand	4646	-2612	4640	-2606	4662	-2630	+	18	+	24
Arbuckle	4695	-2661	4700	-2666	4714	-2682	+	21	+	16
RTD			4743	-2709	4740	-2708			-	1
LTD	4742	-2708			4735	-2703	-	5		

ROCK TYPES

Cht
Cht vari
Dolprim
Lmst fw<7
shale, grn
shale, gry
Carbon Sh
shale, red
Ss

ACCESSORIES

MINERAL
P Pyrite

FOSSIL
◠ Bioclastic or Fragmental
F Fossils < 20%
○ Oolites
Oomoldic

STRINGER
Chert
Dolomite
Limestone
Sandstone
Siltstone
Shale
green shale
red shale

TEXTURE
C Chalky

OTHER SYMBOLS

MISC
DR Daily Report
Digital Photo
Document
Folder
Link
Vertical Log File
Horizontal Log File
Core Log File

DST
DST Int
DST alt

Drill Cuttings Rpt

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

Curve Track #1
ROP (min/ft)
Gamma (API)
Cal (in)
1:240 Imperial

Depth | Intervals
Cored Interval
DST Interval

DST

Lithology

Oil Show

Geological Descriptions

TG, C1 - C5
Total Gas (units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
1:240 Imperial

Logged By Jeremy Schwartz

Shelby Kerr Minerals 1-9 dst 1.jpg
Shelby Kerr Minerals 1-9 dst 2.jpg
Shelby Kerr Minerals 1-9 dst 3.jpg

Stotler

Tarkio

0 ROP (min/ft) 7
0 Gamma (API) 150
6 Cal (in) 16

0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100

3150
3160
3170
3180
3190
3200
3210
3220
3230
3240
3250
3260
3270
3280
3290
3300
3310

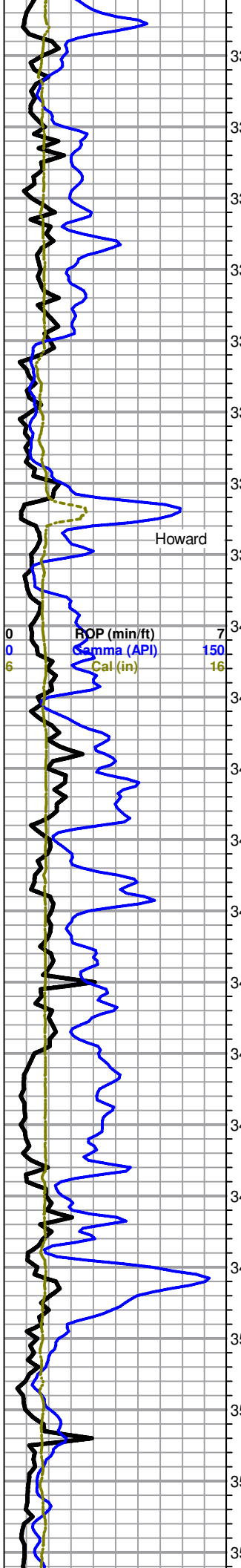
Gray and red shale with scattered LS, cream to gray lithographic to fossiliferous, scattered mostly poor pp porosity, some chalky, no shows or odor

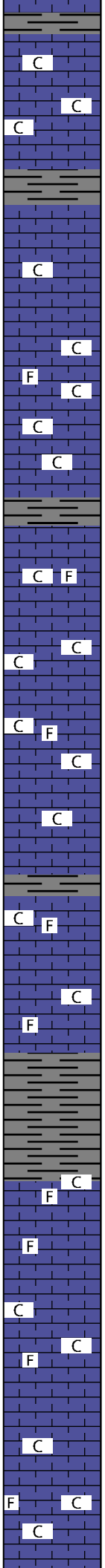
Shale with scattered LS as above, no shows or odor

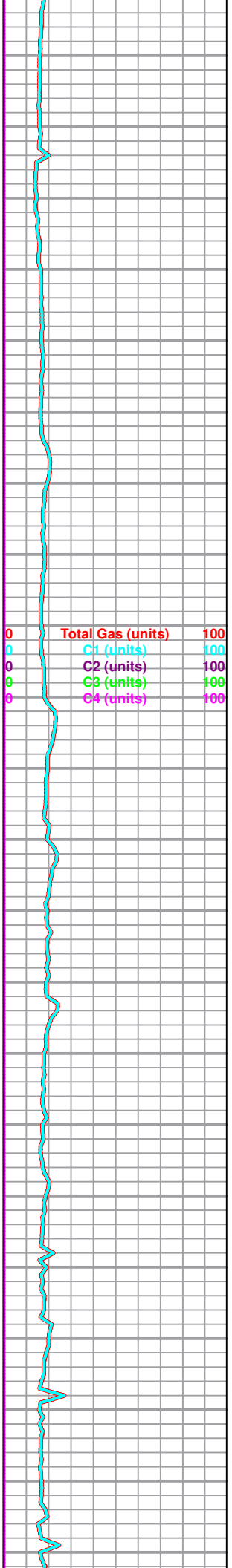
As above, fair influx LS, cream to gray with some scattered brown, lithographic to slightly fossiliferous with poor vis porosity, no shows or odor

Shale with scattered LS as above, no shows or odor

As above, with influx LS, mostly cream with scattered gray, lithographic to chalky in part, scattered slightly fossiliferous, mostly poor vis porosity, no shows or odor







3320

Mostly LS as above, slight influx chalk to chalky LS, no shows or odor

3330

3340

3350

Mostly cream to white lithographic to chalky LS, scattered gray to brown slightly fossiliferous, poor vis porosity, no shows or odor

3360

3370

3380

Mostly cream to white chalky LS with scattered gray dense slightly fossiliferous, chalky sample, no shows or odor

3390

3400

Chalky LS as above, no shows or odor

3410

3420

3430

LS, cream to gray, micro-xln, lithographic to slightly fossiliferous, some chalky, slightly less chalky sample, no shows or odor

3440

3450

3460

As above, with fair influx gray shale, no shows or odor

3470

Topeka 3478 (-1444)

3480

Gray shale with scattered LS, mostly cream to white, lithographic and dense to slightly chalky in part, scattered fossiliferous, poor to no vis porosity, no shows or odor

3490

3500

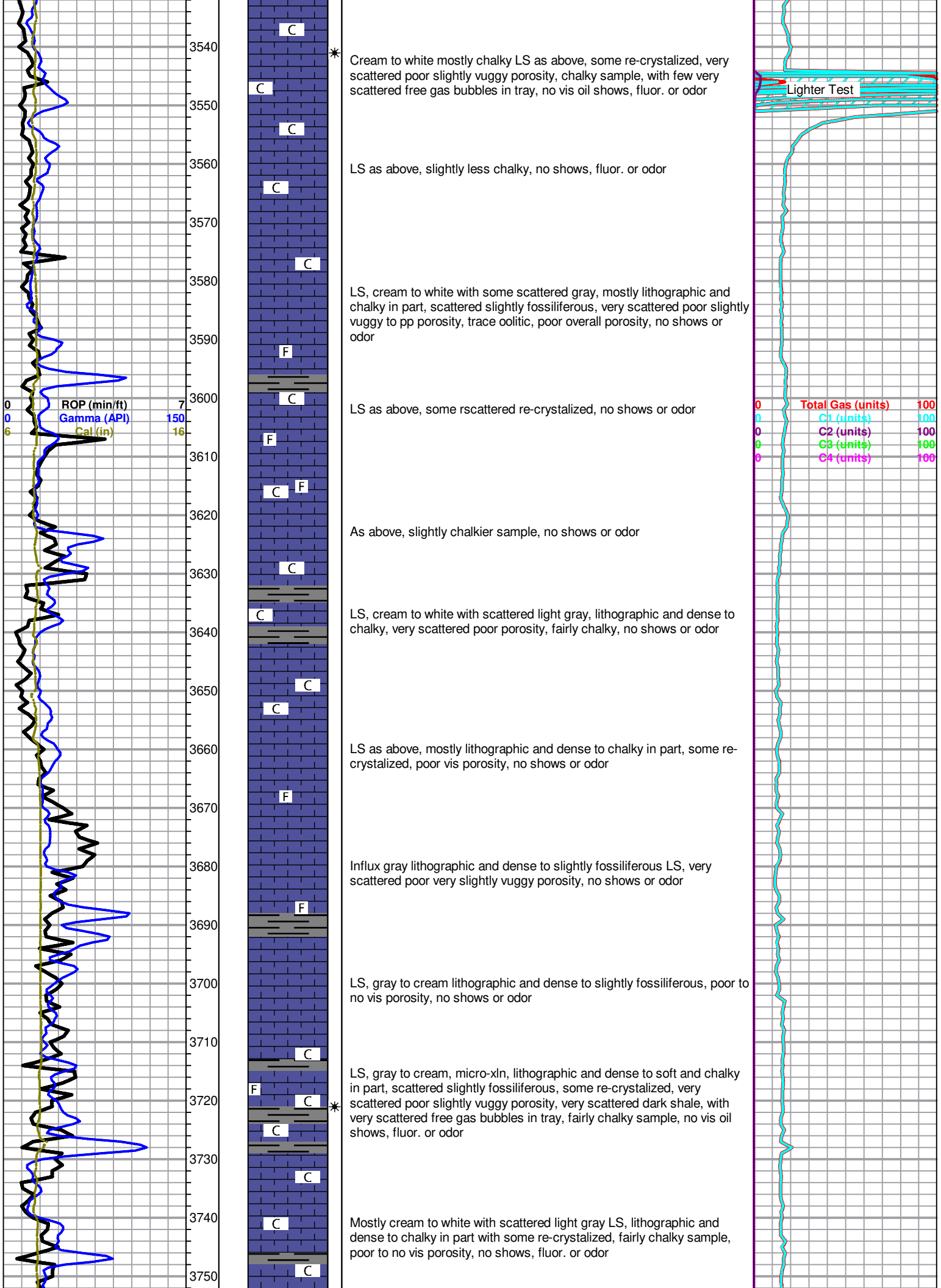
Influx cream to white LS, lithographic and dense to chalky, poor vis porosity, fairly chalky sample, no shows or odor

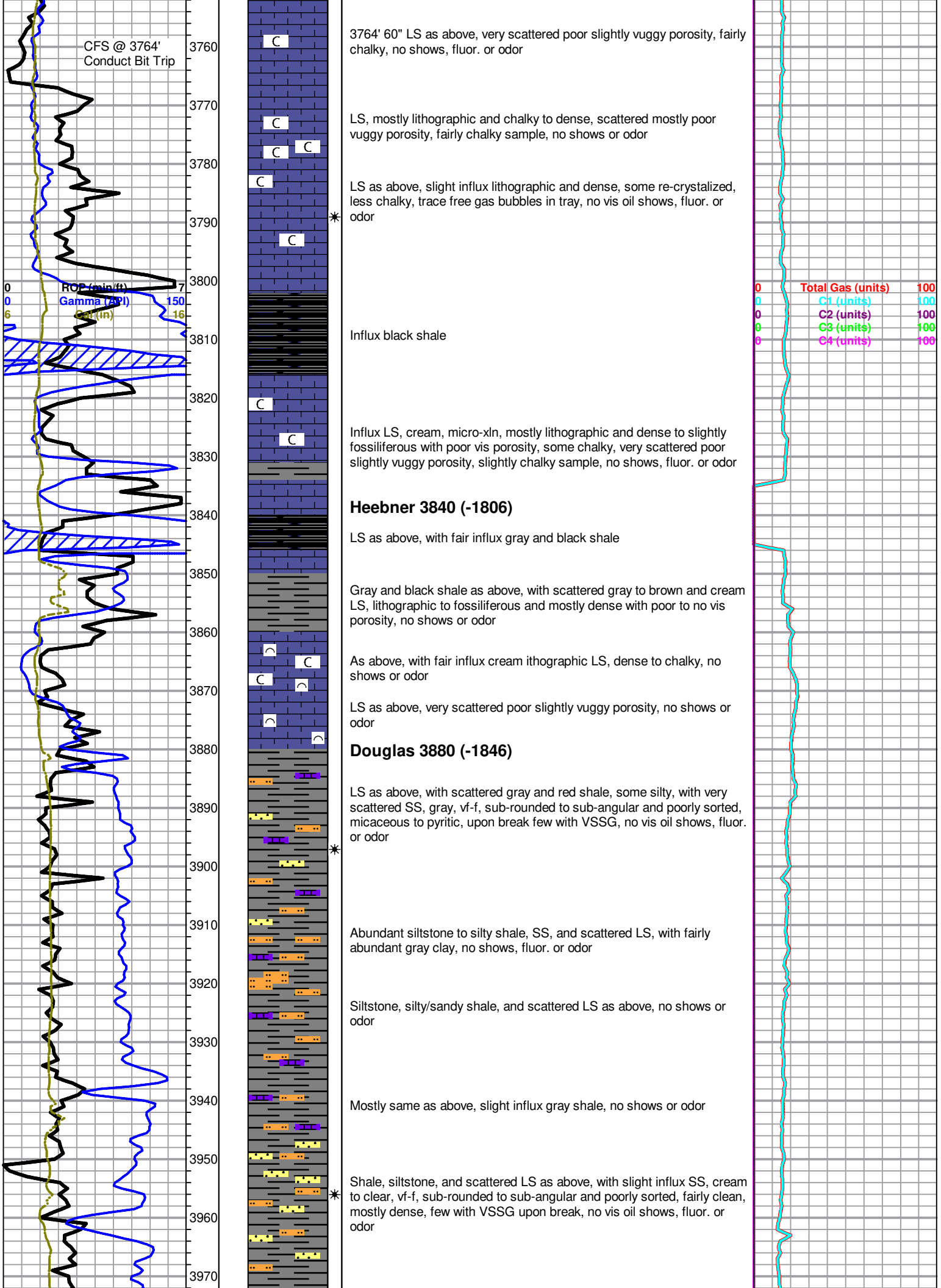
3510

3520

As above, slight influx re-crystalized rocks with very scattered mostly poor slightly vuggy porosity, chalky sample, no shows or odor

3530


0 ROP (min/ft) 7
0 Gamma (API) 150
6 Cal (in) 16
3540
3550
3560
3570
3580
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3690
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3750
C
F
Cream to white mostly chalky LS as above, some re-crystalized, very scattered poor slightly vuggy porosity, chalky sample, with few very scattered free gas bubbles in tray, no vis oil shows, fluor. or odor
LS as above, slightly less chalky, no shows, fluor. or odor
LS, cream to white with some scattered gray, mostly lithographic and chalky in part, scattered slightly fossiliferous, very scattered poor slightly vuggy to pp porosity, trace oolitic, poor overall porosity, no shows or odor
LS as above, some rscattered re-crystalized, no shows or odor
As above, slightly chalkier sample, no shows or odor
LS, cream to white with scattered light gray, lithographic and dense to chalky, very scattered poor porosity, fairly chalky, no shows or odor
LS as above, mostly lithographic and dense to chalky in part, some re-crystalized, poor vis porosity, no shows or odor
Influx gray lithographic and dense to slightly fossiliferous LS, very scattered poor very slightly vuggy porosity, no shows or odor
LS, gray to cream lithographic and dense to slightly fossiliferous, poor to no vis porosity, no shows or odor
LS, gray to cream, micro-xln, lithographic and dense to soft and chalky in part, scattered slightly fossiliferous, some re-crystalized, very scattered poor slightly vuggy porosity, very scattered dark shale, with very scattered free gas bubbles in tray, fairly chalky sample, no vis oil shows, fluor. or odor
Mostly cream to white with scattered light gray LS, lithographic and dense to chalky in part with some re-crystalized, fairly chalky sample, poor to no vis porosity, no shows, fluor. or odor
Lighter Test
0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100



3764' 60" LS as above, very scattered poor slightly vuggy porosity, fairly chalky, no shows, fluor. or odor

LS, mostly lithographic and chalky to dense, scattered mostly poor vuggy porosity, fairly chalky sample, no shows or odor

LS as above, slight influx lithographic and dense, some re-crystalized, less chalky, trace free gas bubbles in tray, no vis oil shows, fluor. or odor

Influx black shale

Influx LS, cream, micro-xln, mostly lithographic and dense to slightly fossiliferous with poor vis porosity, some chalky, very scattered poor slightly vuggy porosity, slightly chalky sample, no shows, fluor. or odor

Heebner 3840 (-1806)

LS as above, with fair influx gray and black shale

Gray and black shale as above, with scattered gray to brown and cream LS, lithographic to fossiliferous and mostly dense with poor to no vis porosity, no shows or odor

As above, with fair influx cream ithographic LS, dense to chalky, no shows or odor

LS as above, very scattered poor slightly vuggy porosity, no shows or odor

Douglas 3880 (-1846)

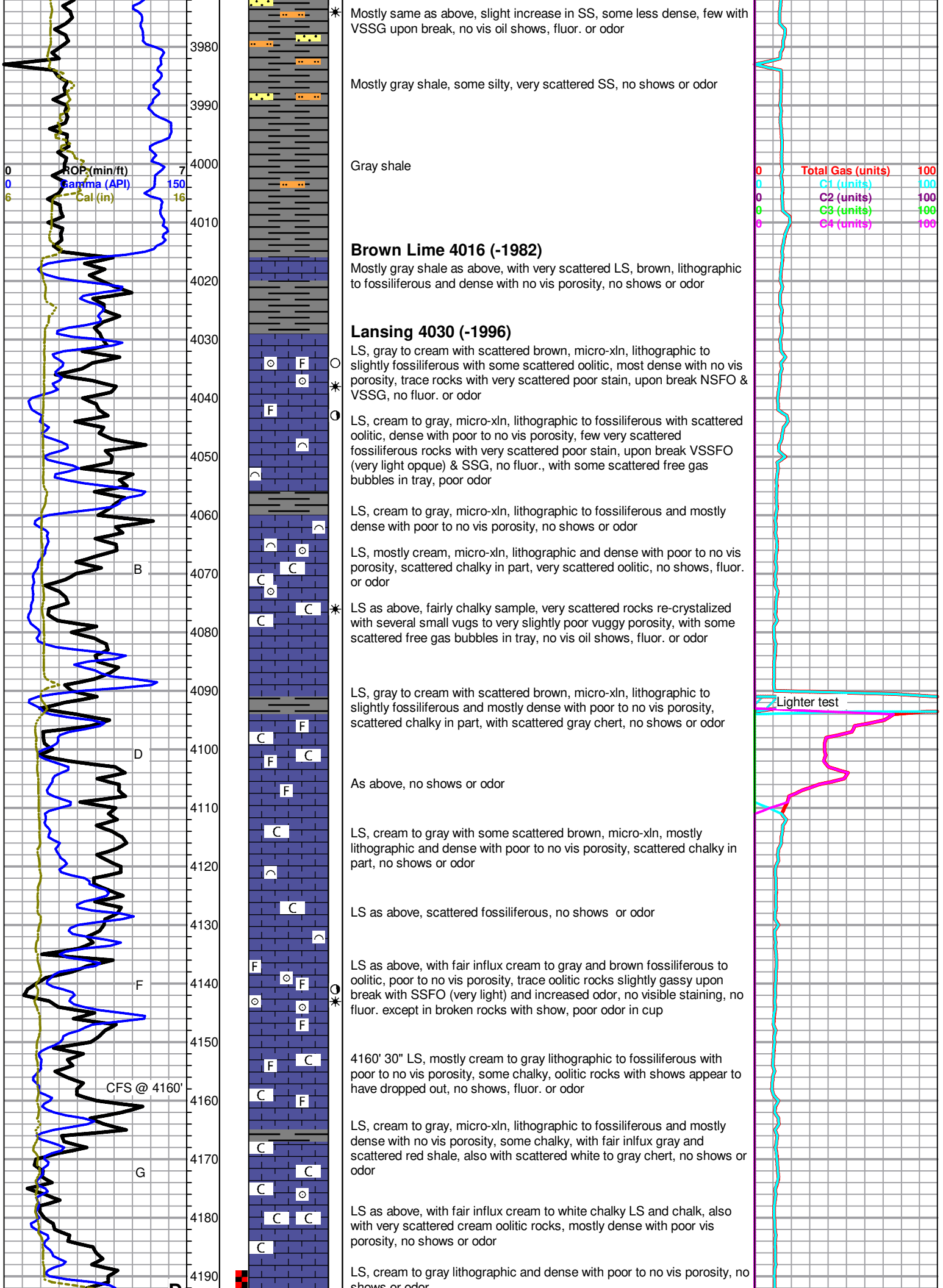
LS as above, with scattered gray and red shale, some silty, with very scattered SS, gray, vf-f, sub-rounded to sub-angular and poorly sorted, micaceous to pyritic, upon break few with VSSG, no vis oil shows, fluor. or odor

Abundant siltstone to silty shale, SS, and scattered LS, with fairly abundant gray clay, no shows, fluor. or odor

Siltstone, silty/sandy shale, and scattered LS as above, no shows or odor

Mostly same as above, slight influx gray shale, no shows or odor

Shale, siltstone, and scattered LS as above, with slight influx SS, cream to clear, vf-f, sub-rounded to sub-angular and poorly sorted, fairly clean, mostly dense, few with VSSG upon break, no vis oil shows, fluor. or odor



Mostly same as above, slight increase in SS, some less dense, few with VSSG upon break, no vis oil shows, fluor. or odor

Mostly gray shale, some silty, very scattered SS, no shows or odor

Gray shale

Brown Lime 4016 (-1982)

Mostly gray shale as above, with very scattered LS, brown, lithographic to fossiliferous and dense with no vis porosity, no shows or odor

Lansing 4030 (-1996)

LS, gray to cream with scattered brown, micro-xln, lithographic to slightly fossiliferous with some scattered oolitic, most dense with no vis porosity, trace rocks with very scattered poor stain, upon break NSFO & VSSG, no fluor. or odor

LS, cream to gray, micro-xln, lithographic to fossiliferous with scattered oolitic, dense with poor to no vis porosity, few very scattered fossiliferous rocks with very scattered poor stain, upon break VSSFO (very light opque) & SSG, no fluor., with some scattered free gas bubbles in tray, poor odor

LS, cream to gray, micro-xln, lithographic to fossiliferous and mostly dense with poor to no vis porosity, no shows or odor

LS, mostly cream, micro-xln, lithographic and dense with poor to no vis porosity, scattered chalky in part, very scattered oolitic, no shows, fluor. or odor

LS as above, fairly chalky sample, very scattered rocks re-crystalized with several small vugs to very slightly poor vuggy porosity, with some scattered free gas bubbles in tray, no vis oil shows, fluor. or odor

LS, gray to cream with scattered brown, micro-xln, lithographic to slightly fossiliferous and mostly dense with poor to no vis porosity, scattered chalky in part, with scattered gray chert, no shows or odor

As above, no shows or odor

LS, cream to gray with some scattered brown, micro-xln, mostly lithographic and dense with poor to no vis porosity, scattered chalky in part, no shows or odor

LS as above, scattered fossiliferous, no shows or odor

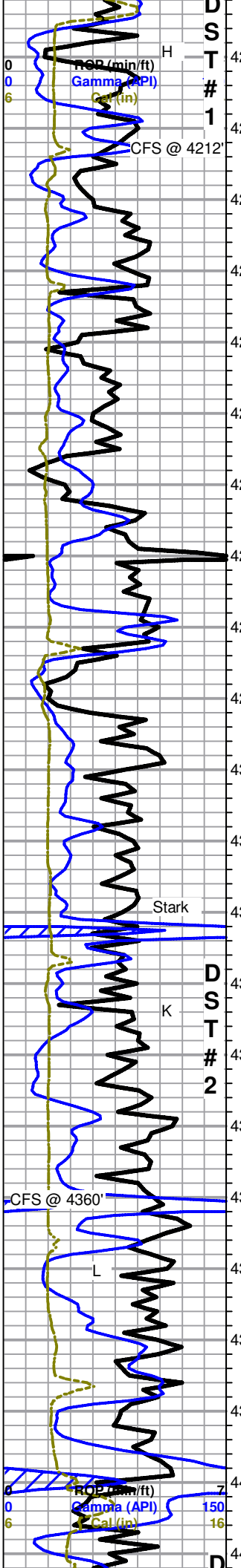
LS as above, with fair influx cream to gray and brown fossiliferous to oolitic, poor to no vis porosity, trace oolitic rocks slightly gassy upon break with SSFO (very light) and increased odor, no visible staining, no fluor. except in broken rocks with show, poor odor in cup

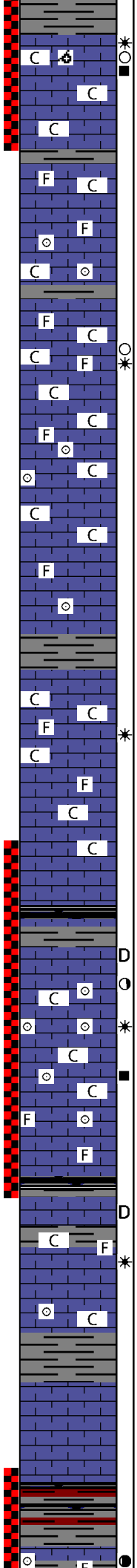
4160' 30" LS, mostly cream to gray lithographic to fossiliferous with poor to no vis porosity, some chalky, oolitic rocks with shows appear to have dropped out, no shows, fluor. or odor

LS, cream to gray, micro-xln, lithographic to fossiliferous and mostly dense with no vis porosity, some chalky, with fair inlfux gray and scattered red shale, also with scattered white to gray chert, no shows or odor

LS as above, with fair influx cream to white chalky LS and chalk, also with very scattered cream oolitic rocks, mostly dense with poor vis porosity, no shows or odor

LS, cream to gray lithographic and dense with poor to no vis porosity, no shows or odor





LS, cream with scattered gray, micro-xln, mostly lithographic and dense with poor to no vis porosity, some chalky, very scattered rocks slightly vuggy with SSG, upon break some are fairly gassy with SSFO (several very light brown droplets) and increased odor, no vis staining, fairly chalky sample, rocks with shows have fluor., no odor in wet cup

4212' 30 & 60" Mostly same as above, very scattered rocks fairly gassy with S-FSFO (very light brown to opaque droplets) and fairly strong odor upon break, some show fair inter-xln porosity, scattered dull fluor. in tray, poor fleeting odor in 30" wet cup

LS, cream to gray with scattered brown, micro-xln, lithographic to fossiliferous, scattered chalky, very scattered rocks with scattered poor pp porosity, no shows or odor

As above, slight influx cream to brown fossiliferous to oolitic, chalky to dense with poor to no vis porosity, no shows or odor

LS, cream to gray, micro-xln, mostly lithographic with scattered fossiliferous, dense to chalky with poor to no vis porosity, trace rocks with slightly vuggy porosity and VSSG in porosity, upon break SSG and VSSFO, fairly chalky sample, no odor

Mostly LS as above, few very scattered rocks with poor slightly vuggy porosity, no shows upon break, with slight influx light brown dense oolitic, poor to no vis porosity, no shows or odor

LS, cream with scattered gray and brown, lithographic and dense to chalky, scattered rocks with fair vuggy porosity, no shows or odor

LS, cream to gray and brown, mostly lithographic and dense, very scattered slightly fossiliferous with trace oolitic, no shows or odor

LS, mostly cream with scattered light gray and brown, micro-xln, lithographic and chalky to dense, scattered fossiliferous with scattered poor inter-fossil to slightly vuggy porosity, fairly chalky sample, no shows, fluor., or odor

LS, cream to light gray, lithographic and dense with scattered chalky, poor to no vis porosity, with fairly abundant scattered free gas bubbles in tray, no vis oil shows, fluor., or odor

LS, light gray to cream, mostly lithographic and dense with poor to no vis porosity, scattered chalky, no shows or odor

LS, mostly cream to gray lithographic and dense with no vis porosity, abundant small fragmented chips, very scattered slightly vuggy cream oolitic with SG in porosity and scattered very light stain, slowly bleeding occasional free oil, upon break fairly gassy with SSFO and increased odor, rocks with shows have scattered fluor., also with trace rocks as above slightly gassy with scattered gilsonitic stain, scattered free gas bubbles in tray, fair fleeting odor in wet cup

As above, fair influx rocks with shows, some dense with poor porosity, some fair inter-oolite to slightly vuggy porosity, upon break FSFO and fairly strong odor, some show fair light inter-xln stain, scattered fluor. in tray, fair odor in cup

~4350 rocks with shows appear to have mostly dropped out, moslty cream to gray dense lithographic LS, no fluor. or odor

4360' 30 & 60" LS, cream to gray with scattered brown, lithographic to slightly fossiliferous and dense with no vis porosity, no shows, fluor., or odor

LS, cream to gray and brown, micro-xln, mostly lithographic and dense with no vis porosity, scattered chalky, with scattered gray and slightly gassy black shale, one rock cream fossiliferous LS with scattered gilsonitic stain, no vis porosity, SSG upon break, NSFO, no fluor., or odor

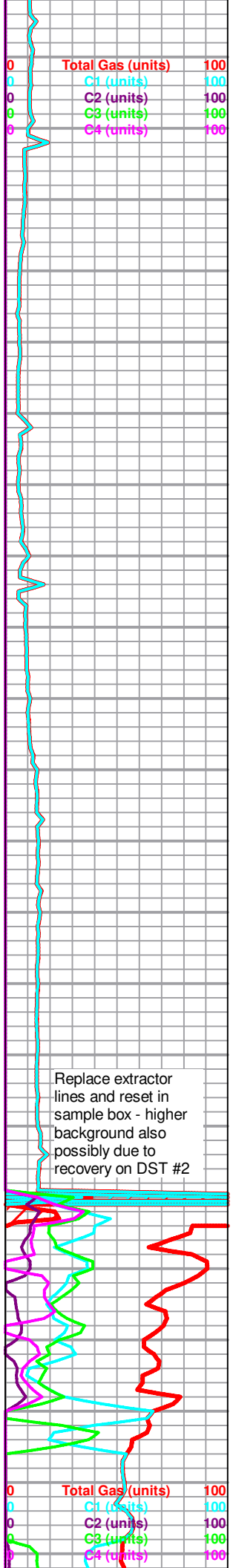
LS as above, trace cream oolitic, very dense with no vis porosity, too dense to break, no shows, fluor., or odor

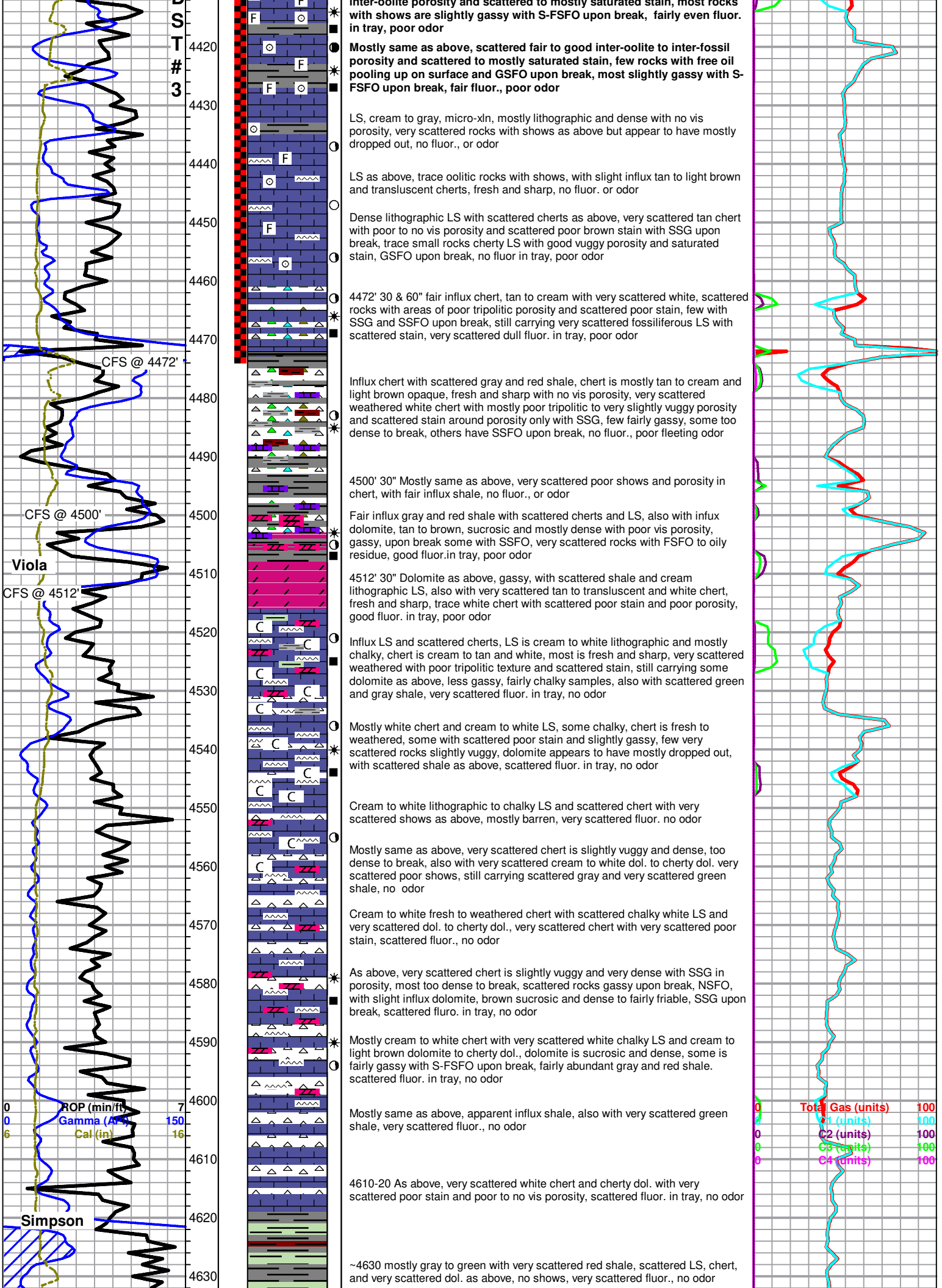
LS, cream to gray with scattered brown, micro-xln, mostly lithographic and very dense with no vis porosity, no shows or odor

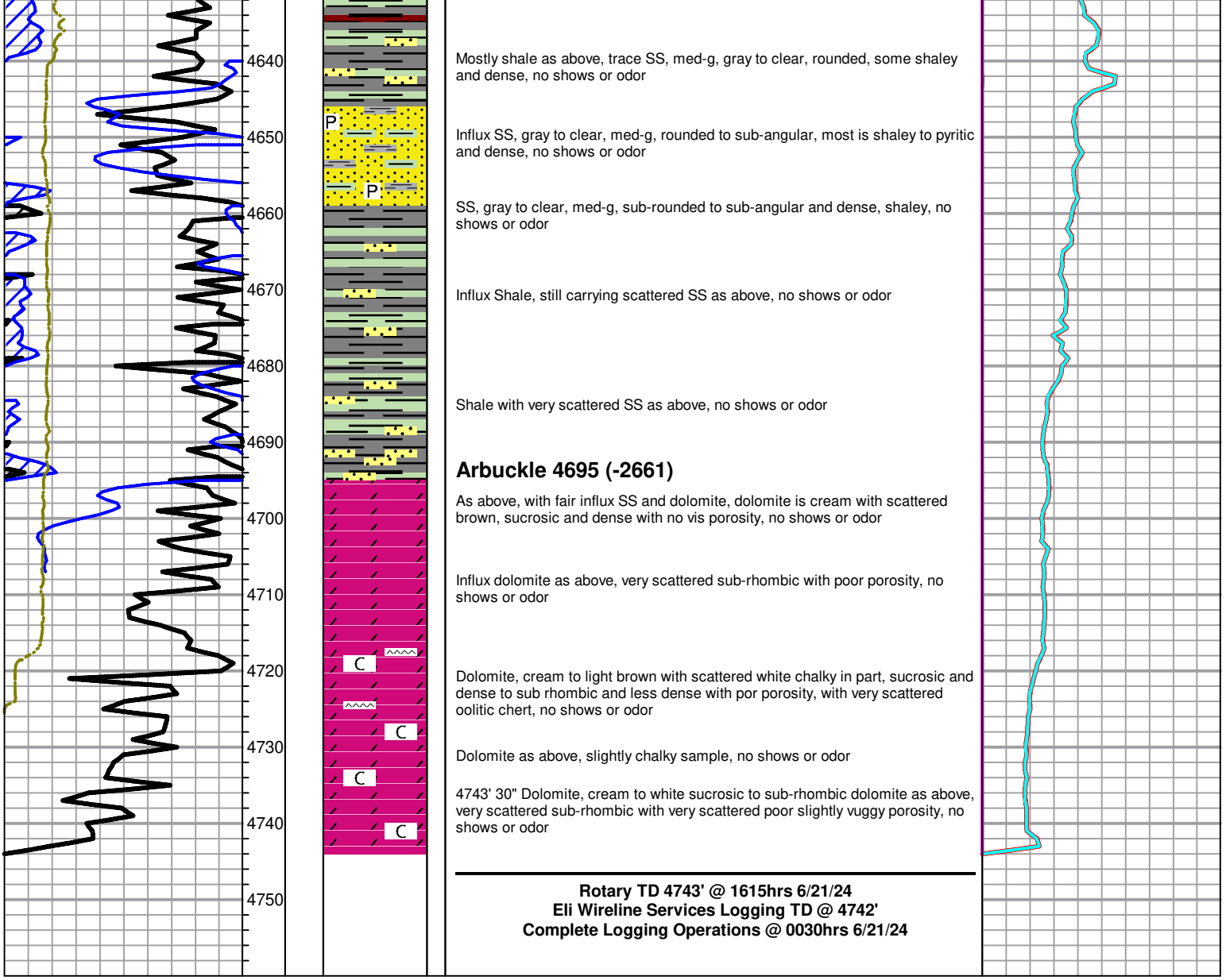
BKC 4400 (-2366)

As above, with scattered gray to black and very scattered red shale, no shows or odor

LS, cream to gray with scattered brown, lithographic to fossiliferous and scattered oolitic, some (~50/50) with scattered poor to fair inter-fossil to




DST #3
4420
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4570
4580
4590
4600
4610
4620
4630
CFS @ 4472'
CFS @ 4500'
Viola
CFS @ 4512'
Simpson
0 ROP (min/ft) 7
0 Gamma (API) 150
6 Cal (in) 16
0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
inter-oolite porosity and scattered to mostly saturated stain, most rocks with shows are slightly gassy with S-FSFO upon break, fairly even fluor. in tray, poor odor
Mostly same as above, scattered fair to good inter-oolite to inter-fossil porosity and scattered to mostly saturated stain, few rocks with free oil pooling up on surface and GSFO upon break, most slightly gassy with S-FSFO upon break, fair fluor., poor odor
LS, cream to gray, micro-xln, mostly lithographic and dense with no vis porosity, very scattered rocks with shows as above but appear to have mostly dropped out, no fluor., or odor
LS as above, trace oolitic rocks with shows, with slight influx tan to light brown and transluscent cherts, fresh and sharp, no fluor. or odor
Dense lithographic LS with scattered cherts as above, very scattered tan chert with poor to no vis porosity and scattered poor brown stain with SSG upon break, trace small rocks cherty LS with good vuggy porosity and saturated stain, GSFO upon break, no fluor in tray, poor odor
4472' 30 & 60" fair influx chert, tan to cream with very scattered white, scattered rocks with areas of poor tripolitic porosity and scattered poor stain, few with SSG and SSFO upon break, still carrying very scattered fossiliferous LS with scattered stain, very scattered dull fluor. in tray, poor odor
Influx chert with scattered gray and red shale, chert is mostly tan to cream and light brown opaque, fresh and sharp with no vis porosity, very scattered weathered white chert with mostly poor tripolitic to very slightly vuggy porosity and scattered stain around porosity only with SSG, few fairly gassy, some too dense to break, others have SSFO upon break, no fluor., poor fleeting odor
4500' 30" Mostly same as above, very scattered poor shows and porosity in chert, with fair influx shale, no fluor., or odor
Fair influx gray and red shale with scattered cherts and LS, also with infux dolomite, tan to brown, sucrosic and mostly dense with poor vis porosity, gassy, upon break some with SSFO, very scattered rocks with FSFO to oily residue, good fluor.in tray, poor odor
4512' 30" Dolomite as above, gassy, with scattered shale and cream lithographic LS, also with very scattered tan to transluscent and white chert, fresh and sharp, trace white chert with scattered poor stain and poor porosity, good fluor. in tray, poor odor
Influx LS and scattered cherts, LS is cream to white lithographic and mostly chalky, chert is cream to tan and white, most is fresh and sharp, very scattered weathered with poor tripolitic texture and scattered stain, still carrying some dolomite as above, less gassy, fairly chalky samples, also with scattered green and gray shale, very scattered fluor. in tray, no odor
Mostly white chert and cream to white LS, some chalky, chert is fresh to weathered, some with scattered poor stain and slightly gassy, few very scattered rocks slightly vuggy, dolomite appears to have mostly dropped out, with scattered shale as above, scattered fluor. in tray, no odor
Cream to white lithographic to chalky LS and scattered chert with very scattered shows as above, mostly barren, very scattered fluor. no odor
Mostly same as above, very scattered chert is slightly vuggy and dense, too dense to break, also with very scattered cream to white dol. to cherty dol. very scattered poor shows, still carrying scattered gray and very scattered green shale, no odor
Cream to white fresh to weathered chert with scattered chalky white LS and very scattered dol. to cherty dol., very scattered chert with very scattered poor stain, scattered fluor., no odor
As above, very scattered chert is slightly vuggy and very dense with SSG in porosity, most too dense to break, scattered rocks gassy upon break, NSFO, with slight influx dolomite, brown sucrosic and dense to fairly friable, SSG upon break, scattered fluro. in tray, no odor
Mostly cream to white chert with very scattered white chalky LS and cream to light brown dolomite to cherty dol., dolomite is sucrosic and dense, some is fairly gassy with S-FSFO upon break, fairly abundant gray and red shale. scattered fluor. in tray, no odor
Mostly same as above, apparent influx shale, also with very scattered green shale, very scattered fluor., no odor
4610-20 As above, very scattered white chert and cherty dol. with very scattered poor stain and poor to no vis porosity, scattered fluor. in tray, no odor
~4630 mostly gray to green with very scattered red shale, scattered LS, chert, and very scattered dol. as above, no shows, very scattered fluor., no odor



Mostly shale as above, trace SS, med-g, gray to clear, rounded, some shaley and dense, no shows or odor

Influx SS, gray to clear, med-g, rounded to sub-angular, most is shaley to pyritic and dense, no shows or odor

SS, gray to clear, med-g, sub-rounded to sub-angular and dense, shaley, no shows or odor

Influx Shale, still carrying scattered SS as above, no shows or odor

Shale with very scattered SS as above, no shows or odor

Arbuckle 4695 (-2661)

As above, with fair influx SS and dolomite, dolomite is cream with scattered brown, sucrosic and dense with no vis porosity, no shows or odor

Influx dolomite as above, very scattered sub-rhombic with poor porosity, no shows or odor

Dolomite, cream to light brown with scattered white chalky in part, sucrosic and dense to sub rhombic and less dense with por porosity, with very scattered oolitic chert, no shows or odor

Dolomite as above, slightly chalky sample, no shows or odor

4743' 30" Dolomite, cream to white sucrosic to sub-rhombic dolomite as above, very scattered sub-rhombic with very scattered poor slightly vuggy porosity, no shows or odor

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Rotary TD 4743' @ 1615hrs 6/21/24
Eli Wireline Services Logging TD @ 4742'
Complete Logging Operations @ 0030hrs 6/21/24

Shelby Kerr Minerals 1-9 dst 1.jpg

DRILL STEM TEST REPORT

Shelby Resources

3700 Quebec St Ste 100
PMB 376
Denver, CO 80401
ATTN: Jeremy Schwartz

9-29S-14W Pratt

Kerr Minerals 1-9

Job Ticket: 71406 **DST#: 1**

Test Start: 2024.06.18 @ 07:58:00

GENERAL INFORMATION:

Formation: **Lansing "H"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:04:47
Time Test Ended: 13:00:17

Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 72

Interval: 4189.00 ft (KB) To 4212.00 ft (KB) (TVD)
Total Depth: 4212.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

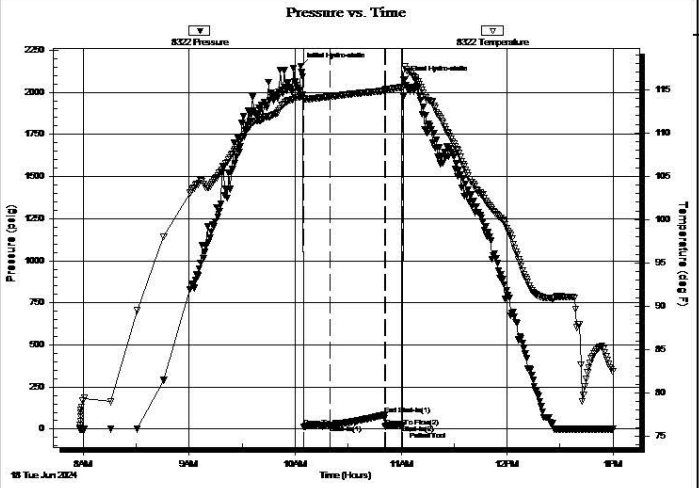
Reference Elevations: 2034.00 ft (KB)
2022.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8322 **Inside**

Press@RunDepth: 22.31 psig @ 4195.00 ft (KB)
Start Date: 2024.06.18 End Date: 2024.06.18
Start Time: 07:58:01 End Time: 13:00:17

Capacity: psig
Last Calib.: 2024.06.18
Time On Btm: 2024.06.18 @ 10:03:17
Time Off Btm: 2024.06.18 @ 11:02:02

TEST COMMENT: IF: No Blow
ISI: No Blow Back
FF: No Blow , Pulled Tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2155.12	114.21	Initial Hydro-static
2	13.21	113.92	Open To Flow (1)
17	22.31	114.21	Shut-In(1)
48	84.50	114.90	End Shut-In(1)
48	13.54	114.99	Open To Flow (2)
58	23.42	115.31	Shut-In(2)
58	23.91	115.33	Pulled Tool
59	2076.40	117.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

Gas Rates

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

Shelby Kerr Minerals 1-9 dst 2.jpg

DRILL STEM TEST REPORT

Shelby Resources

3700 Quebec St Ste 100
PMB 376
Denver, CO 80401
ATTN: Jeremy Schwartz

9-29S-14W Pratt

Kerr Minerals 1-9

Job Ticket: 71407 **DST#: 2**

Test Start: 2024.06.19 @ 08:00:00

GENERAL INFORMATION:

Formation: **Lansing "K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:45:17
Time Test Ended: 15:04:02

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 72

Interval: 4310.00 ft (KB) To 4360.00 ft (KB) (TVD)
Total Depth: 4360.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

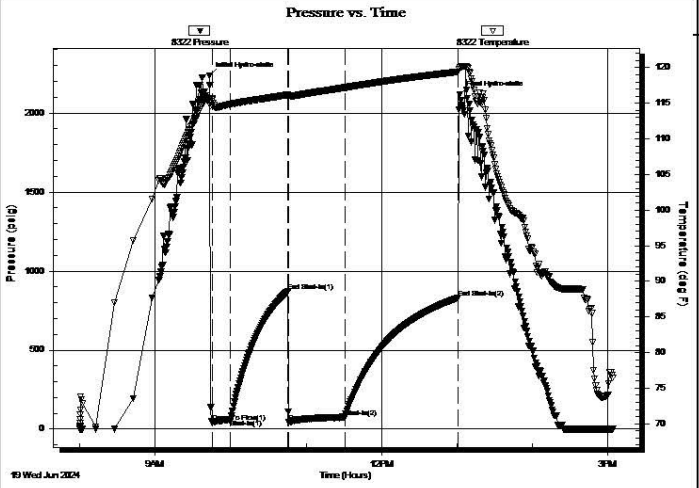
Reference Elevations: 2034.00 ft (KB)
2022.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8322 **Inside**

Press@RunDepth: 77.36 psig @ 4352.00 ft (KB)
Start Date: 2024.06.19 End Date: 2024.06.19
Start Time: 08:00:01 End Time: 15:04:02

Capacity: psig
Last Calib.: 2024.06.19
Time On Btm: 2024.06.19 @ 09:43:17
Time Off Btm: 2024.06.19 @ 13:02:17

TEST COMMENT: IF: Strong Blow , BOB in 45 seconds, Built to 112.59"
ISI: No Blow Back
FF: Strong Blow , BOB Immediate, Built to 166.23"
FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2236.26	115.63	Initial Hydro-static
2	45.22	115.49	Open To Flow (1)
17	59.55	114.86	Shut-In(1)
63	871.69	116.14	End Shut-In(1)
63	44.54	116.01	Open To Flow (2)
108	77.36	117.20	Shut-In(2)
198	830.73	119.44	End Shut-In(2)
199	2117.55	120.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	2536' GIP	0.00
110.00	GSY SOCM 10%G 10%O 80%M	0.54

* Recovery from multiple tests

Gas Rates

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

Shelby Kerr Minerals 1-9 dst 3.jpg

DRILL STEM TEST REPORT

Shelby Resources

3700 Quebec St Ste 100
PMB 376
Denver, CO 80401
ATTN: Jeremy Schwartz

9-29S-14W Pratt

Kerr Minerals 1-9

Job Ticket: 714708 **DST#: 3**

Test Start: 2024.06.20 @ 06:34:00

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:38:17
Time Test Ended: 13:18:02

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 72

Interval: 4398.00 ft (KB) To 4472.00 ft (KB) (TVD)
Total Depth: 4472.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

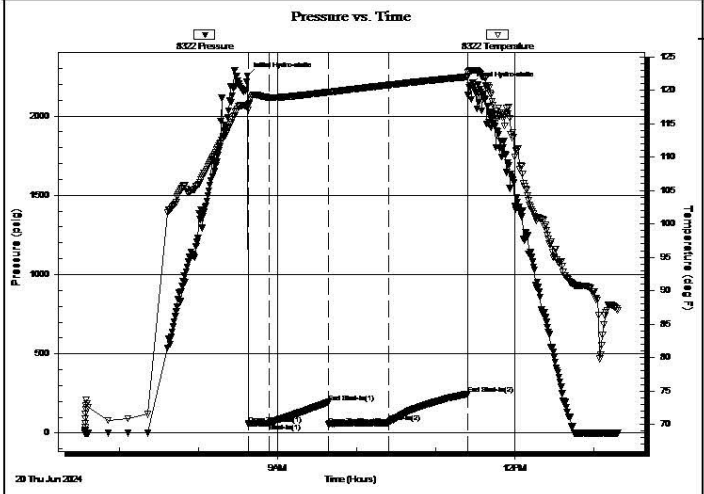
Reference Elevations: 2034.00 ft (KB)
2022.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8322 **Inside**

Press@RunDepth: 66.18 psig @ 4469.00 ft (KB)
Start Date: 2024.06.20 End Date: 2024.06.20
Start Time: 06:34:01 End Time: 13:18:02

Capacity: psig
Last Calib.: 2024.06.20
Time On Btm: 2024.06.20 @ 08:37:17
Time Off Btm: 2024.06.20 @ 11:26:02

TEST COMMENT: IF: Weak Blow , Built to 4.45"
ISI: No Blow Back
FF: Fair Blow , Built to 16.12"
FSI: Surface Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2252.79	117.76	Initial Hydro-static
1	57.94	117.81	Open To Flow (1)
17	63.51	118.92	Shut-In(1)
62	195.08	119.70	End Shut-In(1)
62	52.53	119.70	Open To Flow (2)
107	66.18	120.75	Shut-In(2)
167	247.53	122.04	End Shut-In(2)
169	2191.07	122.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	160' GIP	0.00
20.00	GCM 20%G 80%M	0.10

* Recovery from multiple tests

Gas Rates

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