

Confidentiality Requested:

Yes  No

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

Form ACO-1

January 2018

**Form must be Typed**

**Form must be Signed**

**All blanks must be Filled**

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

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

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

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

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

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Castelli Exploration, Inc.
Well Name	MERRILL RANCH 1-27
Doc ID	1571162

### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	30	20	52.73	69	GROUT	8	2% cc 7 yards
Surface	12.250	13.375	48	325	60/40 poz	250	H-lite3% cc, 1/4# cellflake
Intermediate	12.250	8.625	24	1238	Acon	660	2% cc/ 3% cc
Production	7.875	5.5	15.5	4955	HLong	160	3% gel, 1/4# floce, scavenger 10% salt, 5% calset, .3% FR, .3% FLR-322, .75%GB





**CEMENT TREATMENT REPORT**

Customer: <b>CASTELLI EXPLORATION</b>	Well: <b>MERRILL RANCH 1-27</b>	Ticket: <b>WP 1077</b>
City, State:	County: <b>COMANCHE,KS</b>	Date: <b>1/8/2021</b>
Field Rep: <b>RICK POPP</b>	S-T-R: <b>27-33S-16W</b>	Service: <b>8 5/8" SURFACE</b>

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	<b>12 1/4 in</b>	Blend:	<b>H- CON</b>	Blend:	<b>COMMON</b>
Hole Depth:	<b>1245 ft</b>	Weight:	<b>11.6 ppg</b>	Weight:	<b>15.6 ppg</b>
Casing Size:	<b>8 5/8 in 24#</b>	Water / Sx:	<b>16.8 gal / sx</b>	Water Sx:	<b>5.2 gal / sx</b>
Casing Depth:	<b>1237.78 ft</b>	Yield:	<b>2.77 ft<sup>3</sup> / sx</b>	Yield:	<b>1.20 ft<sup>3</sup> / sx</b>
Tubing Liner:	<b>in</b>	Annular Bbls / Ft.:	<b>bbs / ft.</b>	Annular Bbls / Ft.:	<b>bbs / ft.</b>
PLUG DEPTH:	<b>1195.62 ft</b>	Depth:	<b>ft</b>	Depth:	<b>ft</b>
Tool / Packer:		Annular Volume:	<b>0.0 bbls</b>	Annular Volume:	<b>0 bbls</b>
Tool Depth:	<b>ft</b>	Excess:		Excess:	
Displacement:	<b>76.0 bbls</b>	Total Slurry:	<b>91.0 bbls</b>	Total Slurry:	<b>42.7 bbls</b>
		Total Sacks:	<b>185 sx</b>	Total Sacks:	<b>200 sx</b>

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
11:45PM			-	-	ON LOCATION - SPOT EQUIPMENT
12:00AM				-	RIG UP
1:15AM				-	RUN 29 JTS. 8 5/8" X 24# CASING
				-	BASKETS- 22, 23
4:20AM				-	CASING ON BOTTOM
4:30AM			80.0	80.0	HOOK UP TO CASING- FILL CASING WITH H2o WITH RIG PUMP
4:42AM	5.0	100.0	91.0	171.0	MIX 185 SKS. H-CON @ 11.6 PPG
4:00AM	5.0	100.0	42.7	213.7	MIX 200 SKS COMMON @ 15.6 PPG
4:06AM				213.7	SHUT DOWN- DROP T.R. PLUG
4:10AM	4.0	-	-	213.7	START DISPLACEMENT
4:28AM	3.0	100.0	70.0	283.7	SLOW RATE
4:30AM	3.0	350.0	76.0	359.7	PLUG DOWN - CLOSE IN AT MANIFOLD
4:40AM	1.5	-	6.3	365.0	MIX 25 SKS COMMON W/ 2% CC @ 15.6 PPG - PUMP DOWN BETWEEN CONDUCTOR AND SURFACE PIPE
4:45AM				365.0	WASH UP PUMP TRUCK - LET SET TILL SAMPLE HARDENS
6:00AM	2.0		26.8	391.8	MIX 125 SKS COMMON W/ 2 % CC @ 15.6 PPG - PUMP DOWN BETWEEN CONDUCTOR AND SURFACE PIPE
8:00AM	1.0		5.3	397.1	MIX 25 SKS COMMON W/ 2% CC @ 15.6 PPG - PUMP DOWN BETWEEN CONDUCTOR AND SURFACE PIPE
9:00AM	1.0		5.3	402.4	MIX 25 SKS COMMON W/ 2% CC @ 15.6 PPG - PUMP DOWN BETWEEN CONDUCTOR AND SURFACE PIPE
9:45AM	1.0		5.3	407.7	MIX 25 SKS COMMON W/ 2% CC @ 15.6 PPG - PUMP DOWN BETWEEN CONDUCTOR AND SURFACE PIPE
10:00AM	1.0		5.3	413.0	MIX 25 SKS COMMON W/ 2% CC @ 15.6 PPG - PUMP DOWN BETWEEN CONDUCTOR AND SURFACE PIPE
11:00AM	1.0		5.3	418.3	MIX 25 SKS COMMON @ 15.6 PPG - PUMP DOWN BETWEEN BETWEEN CONDUCTOR AND SURFACE PIPE
				418.3	CEMENT TO SURFACE
11:30AM				418.3	WASH UP PUMP TRUCK - LET SET TILL SAMPLE HARDENS
				418.3	JOB COMPLETE,
				418.3	THANKS- KEVEN AND CREW
				418.3	
				418.3	
				418.3	

CREW	UNIT	SUMMARY		
		Average Rate	Average Pressure	Total Fluid
BRUNGARDT	916	2.4 bpm	108 psi	418 bbls
LESLEY	179-522			
SCOTT	527-			
McLANORE				



**OPERATOR**

Company: Castelli Exploration, Inc.  
 Address:

Contact Geologist: Tom Castelli  
 Contact Phone Nbr:  
 Well Name: Merrill Ranch #1-27  
 Location:  
 API:  
 Pool: Wildcat  
 State:

Field:  
 Country:

Scale 1:240 Imperial

Well Name: Merrill Ranch #1-27  
 Surface Location:  
 Bottom Location:  
 API:  
 License Number:  
 Spud Date: 1/1/2021  
 Region:  
 Drilling Completed:  
 Surface Coordinates:  
 Bottom Hole Coordinates:  
 Ground Elevation: 1654.00ft  
 K.B. Elevation: 0.00ft  
 Logged Interval: 0.00ft  
 Total Depth: 0.00ft  
 Formation:  
 Drilling Fluid Type:

Time: 7:00 AM  
 Time:  
 To: 0.00ft

**SURFACE CO-ORDINATES**

Well Type: Vertical  
 Longitude: 0  
 Latitude: 0  
 N/S Co-ord:  
 E/W Co-ord:

**LOGGED BY**

Company: Hard Rock Consulting, Inc.  
 Address: P.O. Box 1260  
 Hays, KS 67601

Phone Nbr: 785-635-5586  
 Logged By: Geologist

Name: Jason T Alm

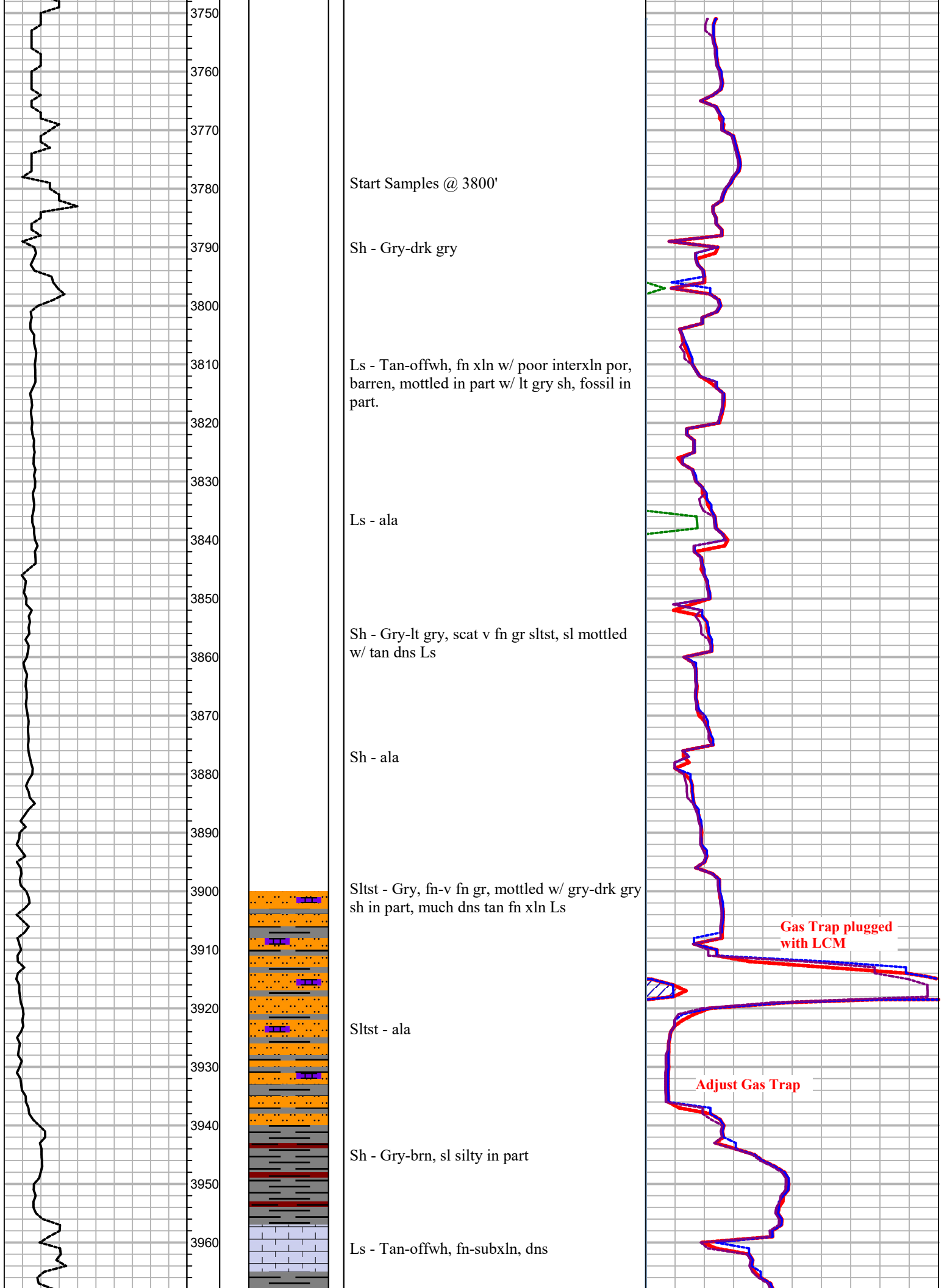
**CONTRACTOR**

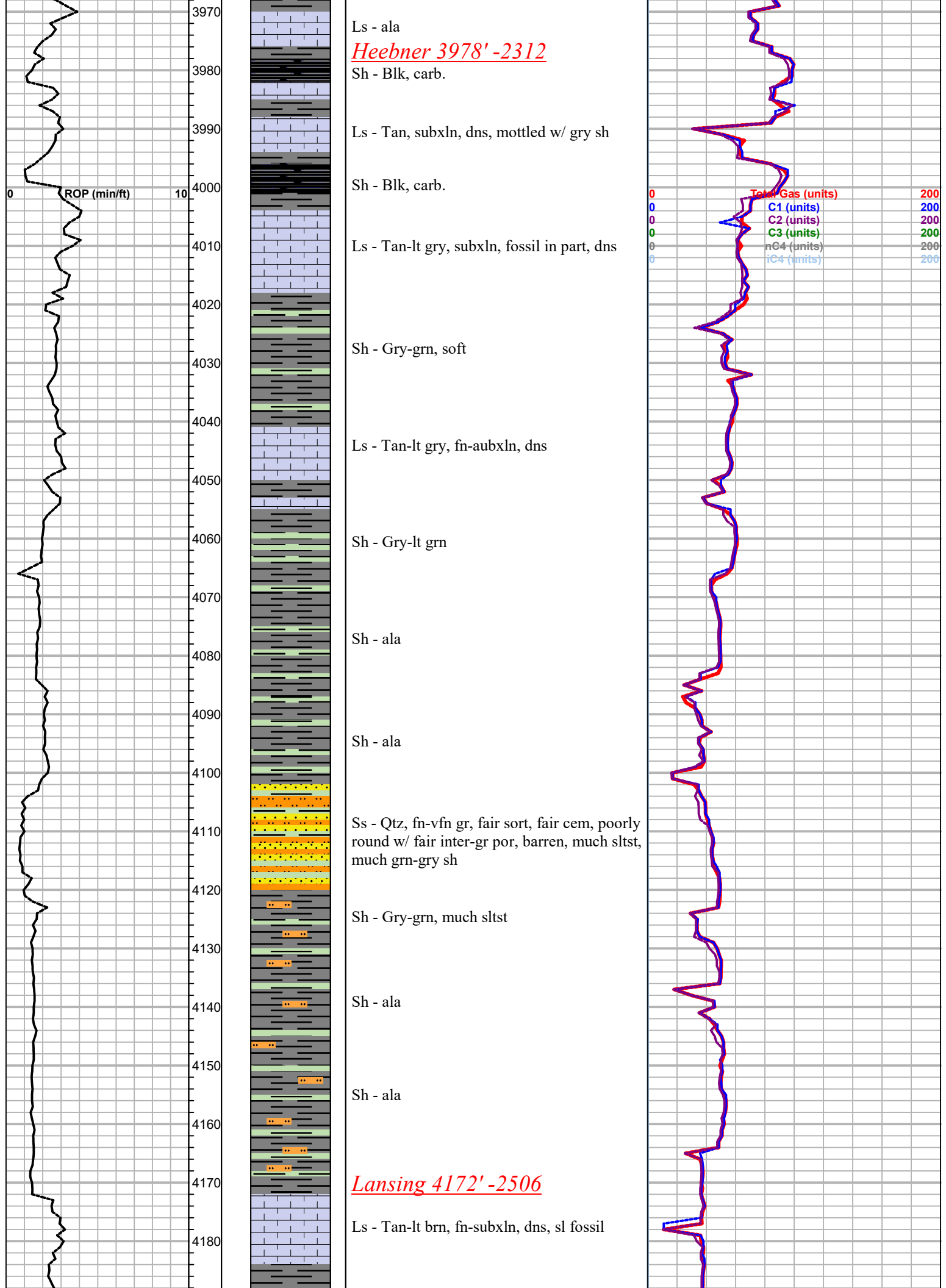
Contractor: Duke Drilling, Inc.  
 Rig #: 1  
 Rig Type:  
 Spud Date: 1/1/2021  
 TD Date:  
 Rig Release:

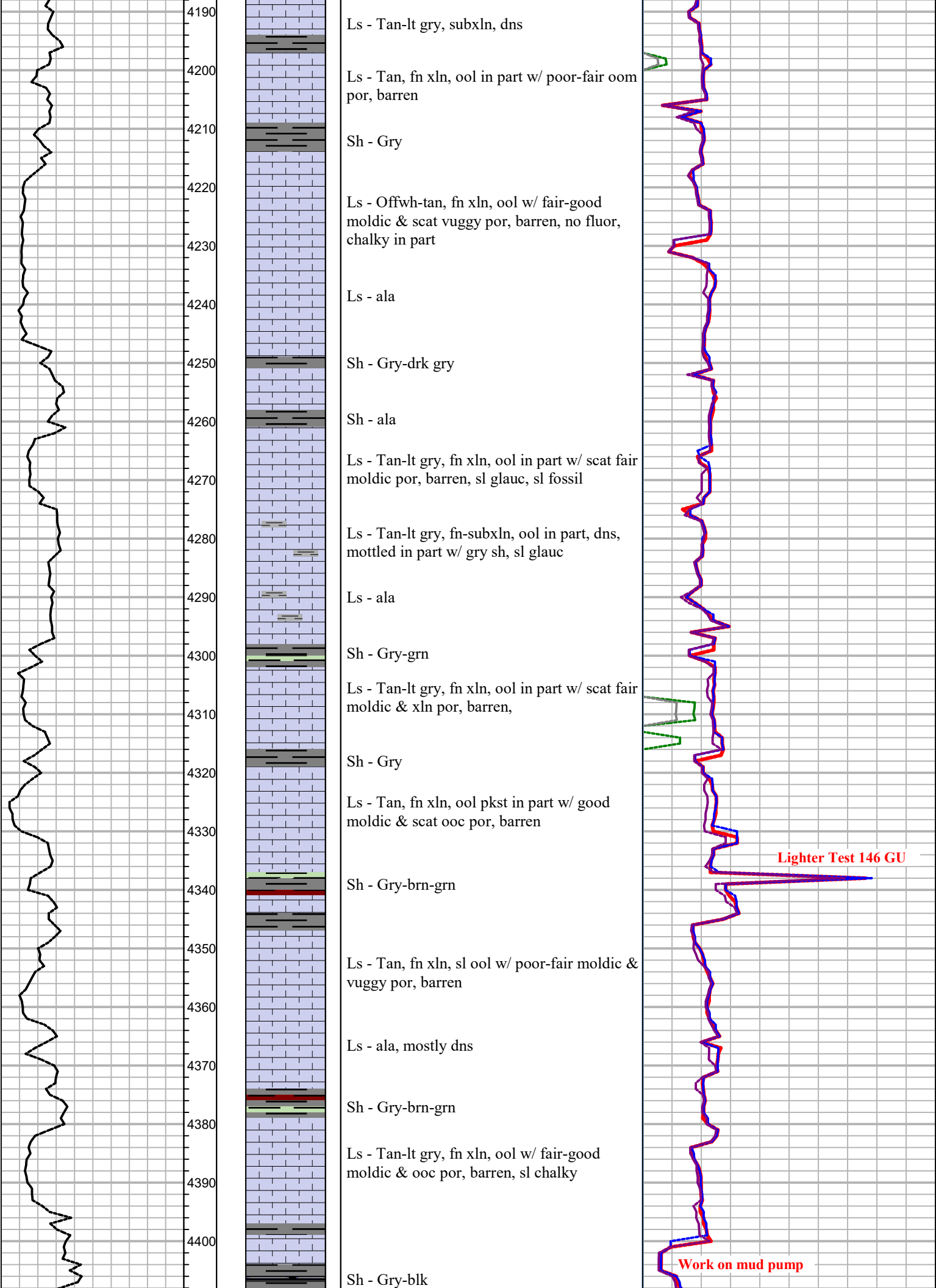
Time: 7:00 AM  
 Time:  
 Time:











Ls - Tan-lt gry, subxln, dns

Ls - Tan, fn xln, ool in part w/ poor-fair oom por, barren

Sh - Gry

Ls - Offwh-tan, fn xln, ool w/ fair-good moldic & scat vuggy por, barren, no fluor, chalky in part

Ls - ala

Sh - Gry-drk gry

Sh - ala

Ls - Tan-lt gry, fn xln, ool in part w/ scat fair moldic por, barren, sl glauc, sl fossil

Ls - Tan-lt gry, fn-subxln, ool in part, dns, mottled in part w/ gry sh, sl glauc

Ls - ala

Sh - Gry-grn

Ls - Tan-lt gry, fn xln, ool in part w/ scat fair moldic & xln por, barren,

Sh - Gry

Ls - Tan, fn xln, ool pkst in part w/ good moldic & scat ooc por, barren

Sh - Gry-brn-grn

Ls - Tan, fn xln, sl ool w/ poor-fair moldic & vuggy por, barren

Ls - ala, mostly dns

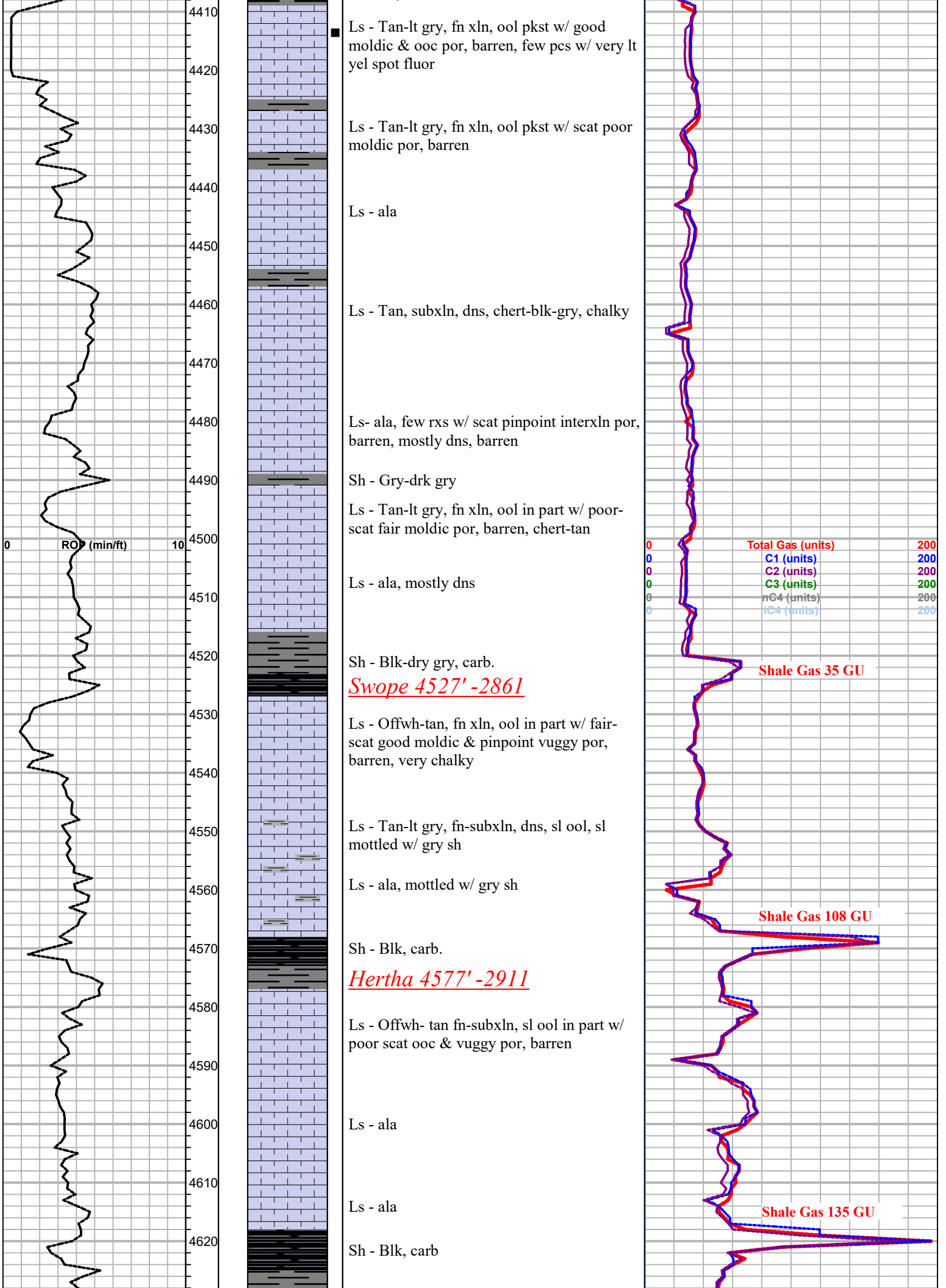
Sh - Gry-brn-grn

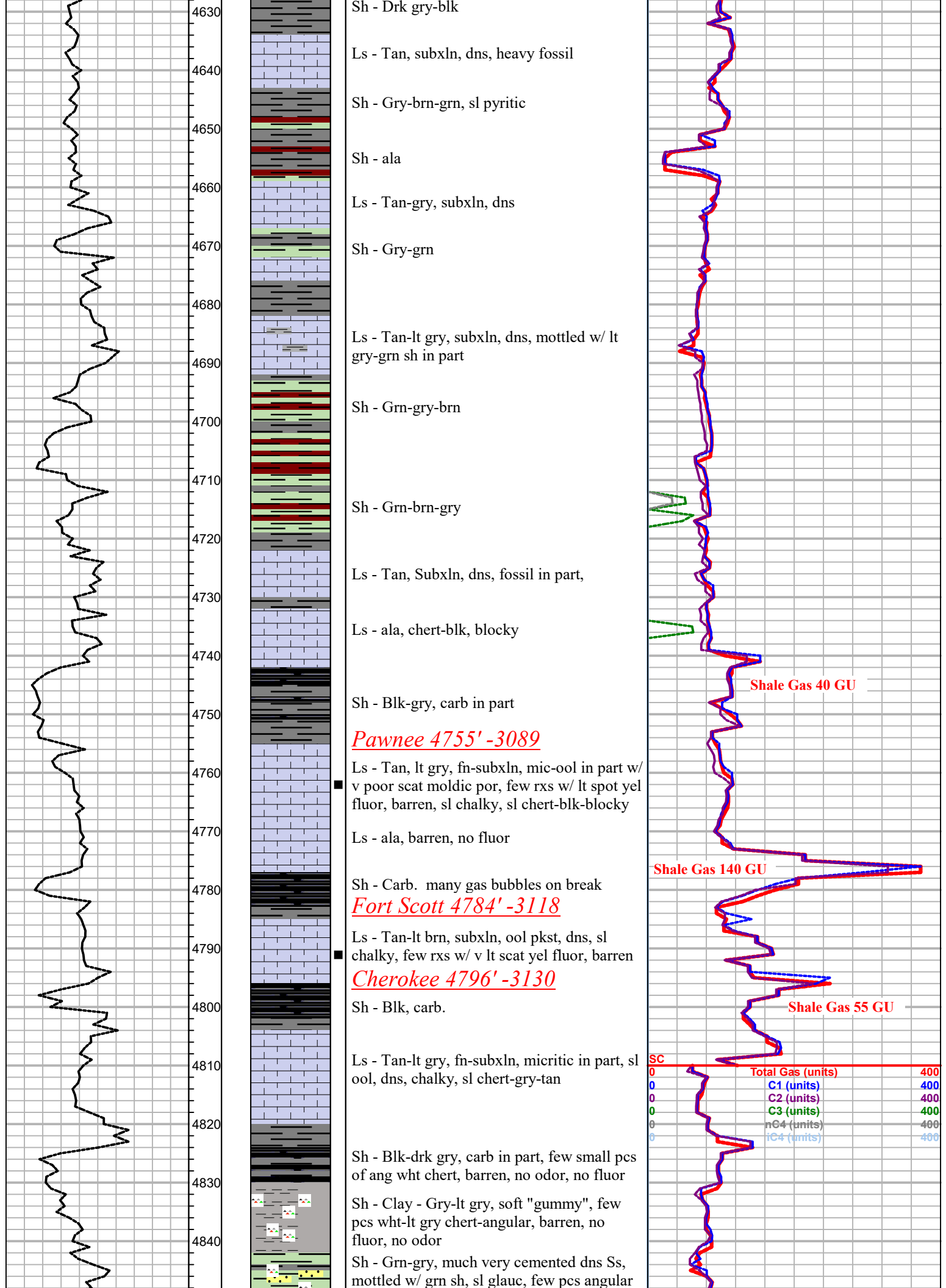
Ls - Tan-lt gry, fn xln, ool w/ fair-good moldic & ooc por, barren, sl chalky

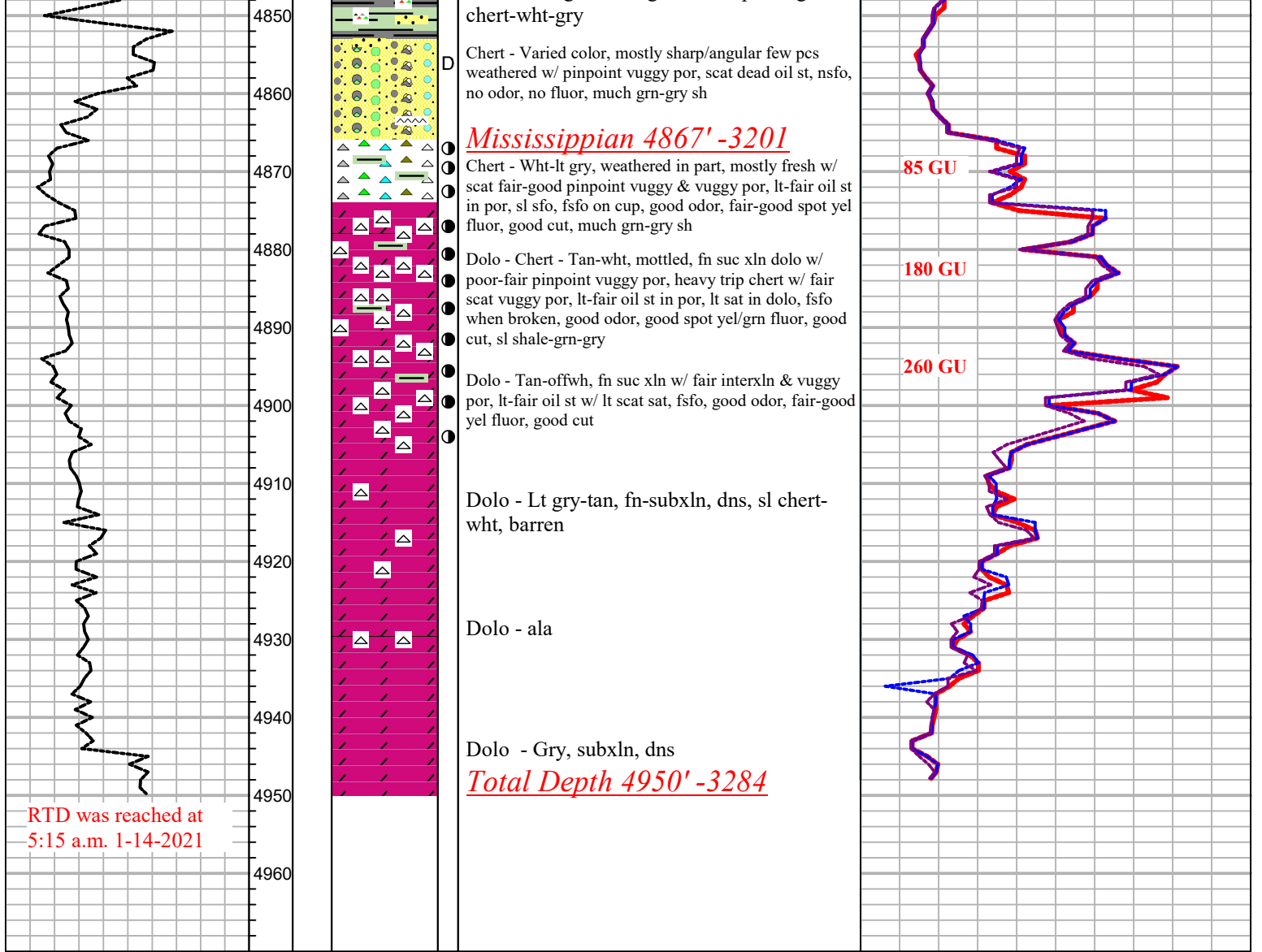
Sh - Gry-blk

Lighter Test 146 GU

Work on mud pump







Big Bucket's Rathole Drilling, Inc.

P. O. Box 5252  
 Enid, OK 73702  
 Office 580-233-9850  
 Fax 580-233-4588

# INVOICE

DATE	INVOICE NO.
1/12/2021	7129

BILL TO
Castelli Exploration 6908 N.W. 112th Street Oklahoma City, OK 73162

WELLNAME		RIG	COUNTY	LEGAL	LEGAL	
Merrill Ranch		Duke 1	Comanche,...	NW/4	Sec27-33S-16W	
DATE	W. TKT	DESCRIPTION		QTY	RATE	AMOUNT
1/4/2021	6046	Drilled 30" conductor hole		69	40.00	2,760.00
		Drilled 4' of 60" cellar			200.00	200.00
		Bobcat to remove dirt			300.00	300.00
		Furnished 20" conductor pipe		69	40.00	2,760.00
		Furnished 4' of 60" steel cellar form			450.00	450.00
		Furnished welder & materials			227.50	227.50
		Furnished grout: 7 yards of 8 sack grout 2%CC			1,166.18	1,166.18
		Furnished mud truck with drilling mud and disposal			2,590.00	2,590.00
		STATE TAX			4.50%	0.00
		BIG100				
		109				
We appreciate your business!				<b>Total</b>		\$10,453.68

P.O.# \_\_\_\_\_

# BIG BUCKETS RATHOLE DRILLING

100 8046

ORDERED BY

P.O. Box 5252  
Enid, Oklahoma 73702  
Phone (580) 233-9850  
Fax (580) 233-4588

Date 1-4-2001

Bill To Castelli

Lease Meadow Ranch

Address \_\_\_\_\_

Legal 1/2 Sec 27-13-10W

County McClain Co

Rig Dico #1

DESCRIPTION		AMOUNT	
Furnish Men & Equipment To	dull 10' of 30' conductor 1 hr @ 27.00/hr	2700	00
	dull 4' of 4" collar hole @ 20.00/hr	800	00
	remove dirt off ice 1/4 lb each	300	00
Materials Furnished	10' of 30' conductor pipe @ 20.00/hr	2000	00
	4' of 4" steel collar form	450	00
	weights & materials	227	50
	7 hrs for grout under	1,166	18
	110 lbs Lincoln diesel	2590	00
Operator	Approved By <u>[Signature]</u>	Total	10,453 68