

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

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Name	Top	Datum
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:					

<div style="text-align: center;"> CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used Report all strings set-conductor, surface, intermediate, production, etc. </div>							
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 (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water	Bbls.	Gas-Oil Ratio Gravity

<p>DISPOSITION OF GAS:</p> <p><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease</p> <p><i>(If vented, Submit ACO-18.)</i></p>	<p>METHOD OF COMPLETION:</p> <p><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled</p> <p><i>(Submit ACO-5)</i> <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i></p>	<p>PRODUCTION INTERVAL:</p> <p>Top Bottom</p>	

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Red Oak Energy, Inc.
Well Name	GTD LAND 1-30
Doc ID	1433629

All Electric Logs Run

MPD/MDN
MML
MSS
MAI/MFE
Caliper

Form	ACO1 - Well Completion
Operator	Red Oak Energy, Inc.
Well Name	GTD LAND 1-30
Doc ID	1433629

Tops

Name	Top	Datum
B/Anhy	2548	1303
Heebner	4038	-187
Stark	4378	-527
Marmaton	4504	-653
Ft Scott	4655	-804
Cherokee	4678	-827
Atoka	4804	-953
Morrow Sh	5000	-1149

Form	ACO1 - Well Completion
Operator	Red Oak Energy, Inc.
Well Name	GTD LAND 1-30
Doc ID	1433629

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
2	4945				Shot
2	4953	4954			Shot
2	4958				Shot
2	4914	4915			Shot
2	4919	4920			Shot
2	4929	4930			Shot
2	4935				Shot
2	4886				Shot
2	4990				Shot
2	4904	4905			Shot
2	4910	4911			Shot
2	4874				Shot
2	4877				Shot
2	4854	4856			Shot
					Shot
					105 bbls HCl Acid, 3.5 bbls water

Form	ACO1 - Well Completion
Operator	Red Oak Energy, Inc.
Well Name	GTD LAND 1-30
Doc ID	1433629

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	352	Common	275	3% CC, 2% Gel
Production	7.875	5.5	17	5053	"A-Con" Blend	575	3% CC, 1/4#Cellof lake
Production	7.875	5.5	17	5053	AA2	150	10%Gypsum 10%Salt, 5%- 17,5#Gilsonite,1/4#D efoamer

Ryan Davis

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY Red Oak Energy, Inc.

LEASE GTD Land #1-30

FIELD Wildcat

LOCATION 2278' ESL & 335' FEL

SEC 30 TWP 18S RGE 42 W

COUNTY Greeley STATE Kansas

CONTRACTOR Murfin Drilling Rig #21

SPUD 10/4/18 COMP 10/11/18

RTD 5056' LTD 5059'

MUD UP surface TYPE MUD Chemical

SAMPLES SAVED FROM 4400' TO RTD

DRILLING TIME KEPT FROM 4250' TO RTD

SAMPLES EXAMINED FROM 4400' TO RTD

GEOLOGICAL SUPERVISION FROM 4400'

GEOLOGIST Ryan Davis

ELEVATIONS

KB 3851'

DF

GL 3840'

Measurements Are All
From Kelly Bushing

CASING

CONDUCTOR

SURFACE 8-5/8" @ 352'

PRODUCTION 5.5" @ 5053'

ELECTRICAL SURVEYS

ELI

MPD/MDN, MA/MEF

MSS, MML

Struct.
Pos.

Formation Sample Tops E-log Tops

B/Anhy 2549 (1302) 2548 (1303)

Heebner 4038 (-187) 4038 (-187)

Stark 4373 (-522) 4378 (-527)

Marmaton 4501 (-650) 4504 (-653)

Ft Scott 4657 (-806) 4655 (-804)

Cherokee 4678 (-827) 4678 (-827)

Atoka 4802 (-951) 4804 (-953)

Morrow Sh 4998 (-1147) 5000 (-1149)

30

REMARKS The GTD Land #1-30 will be further evaluated through 5.5" casing.

Respectfully Submitted,

Ryan Davis

Description: FMS4 image with apparent dips Format: Wireline Index Scale: 0.5 in per 10 ft Index Unit: ft Index Type: Measured Depth Creation Date: 13-Oct-2018 23:01:39			
C1	.Units	: Methane Gas Units	
C2	.Units	: Ethane Gas Units	
C3	.Units	: Propane Gas Units	
C4	.Units	: Iso + Normal Butane Gas Units	
C5	.Units	: Iso + Normal Pentane Gas Units	
CNCT	.Units	: Drill Pipe Connections	
GRGC .GAPI	30 310 01 00	: MCG Gamma Ray	
ROP	.min/ft	: Rate Of Penetration - Min Per Foot as received	
TG	.Units	: Total Sum Detected Gasses	
iC4	.Units	: Normal Butane Gas Units	
iC5	.Units	: Normal Pentane Gas Units	
nC4	.Units	: Iso Butane Gas Units	
nC5	.Units	: Iso Pentane Gas Units	
			<div> <div>CNCT .Units : Drill Pipe Connections</div> <div>01</div> </div> <div> <div>TG .Units : Total Sum Detected Gasses</div> <div>0300</div> </div> <div> <div>C1 .Units : Methane Gas Units</div> <div>0300</div> </div> <div> <div>C2 .Units : Ethane Gas Units</div> <div>0300</div> </div> <div> <div>C3 .Units : Propane Gas Units</div> <div>0300</div> </div> <div> <div>C4 .Units : Iso + Normal Butane Gas Units</div> <div>0300</div> </div> <div> <div>iC4 .Units : Normal Butane Gas Units</div> <div>0300</div> </div> <div> <div>nC4 .Units : Iso Butane Gas Units</div> <div>0300</div> </div> <div> <div>C5 .Units : Iso + Normal Pentane Gas Units</div> <div>0300</div> </div> <div> <div>iC5 .Units : Normal Pentane Gas Units</div> <div>0300</div> </div>

C5

100 Units : Normal Pentane Gas Units

200 Units : Iso Pentane Gas Units

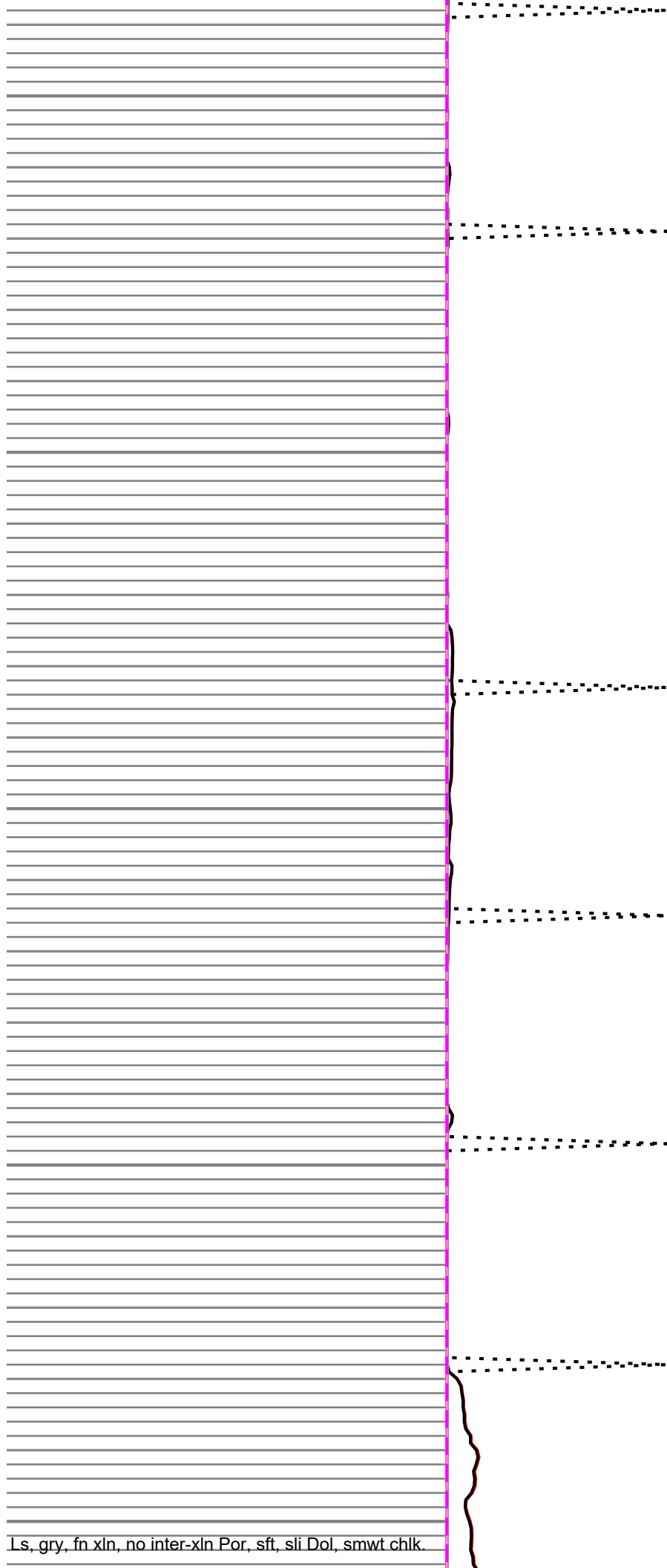
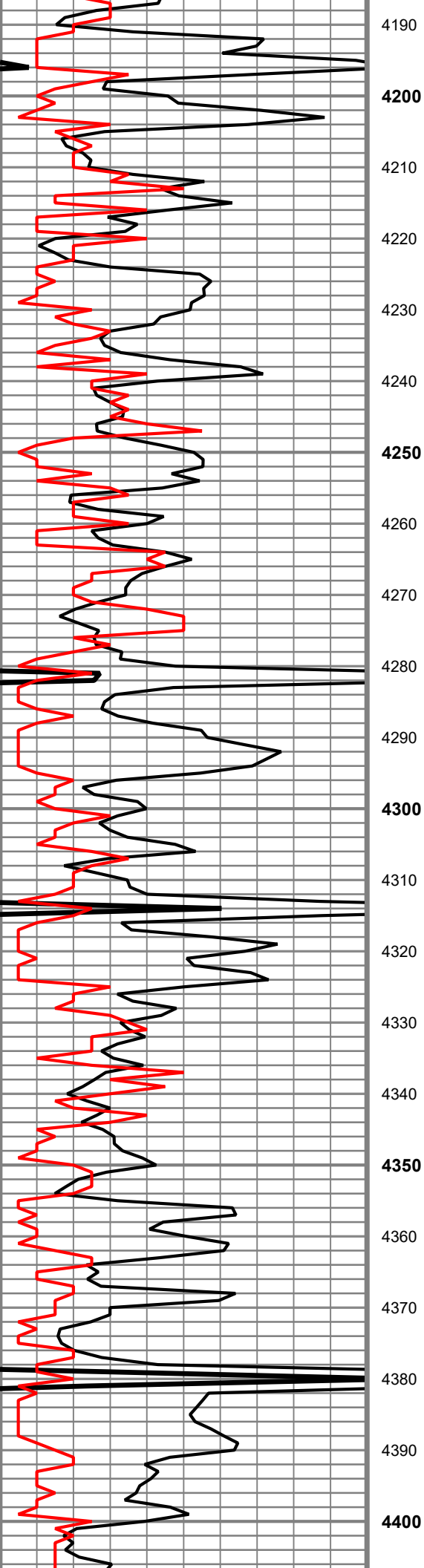
0 300

nC5

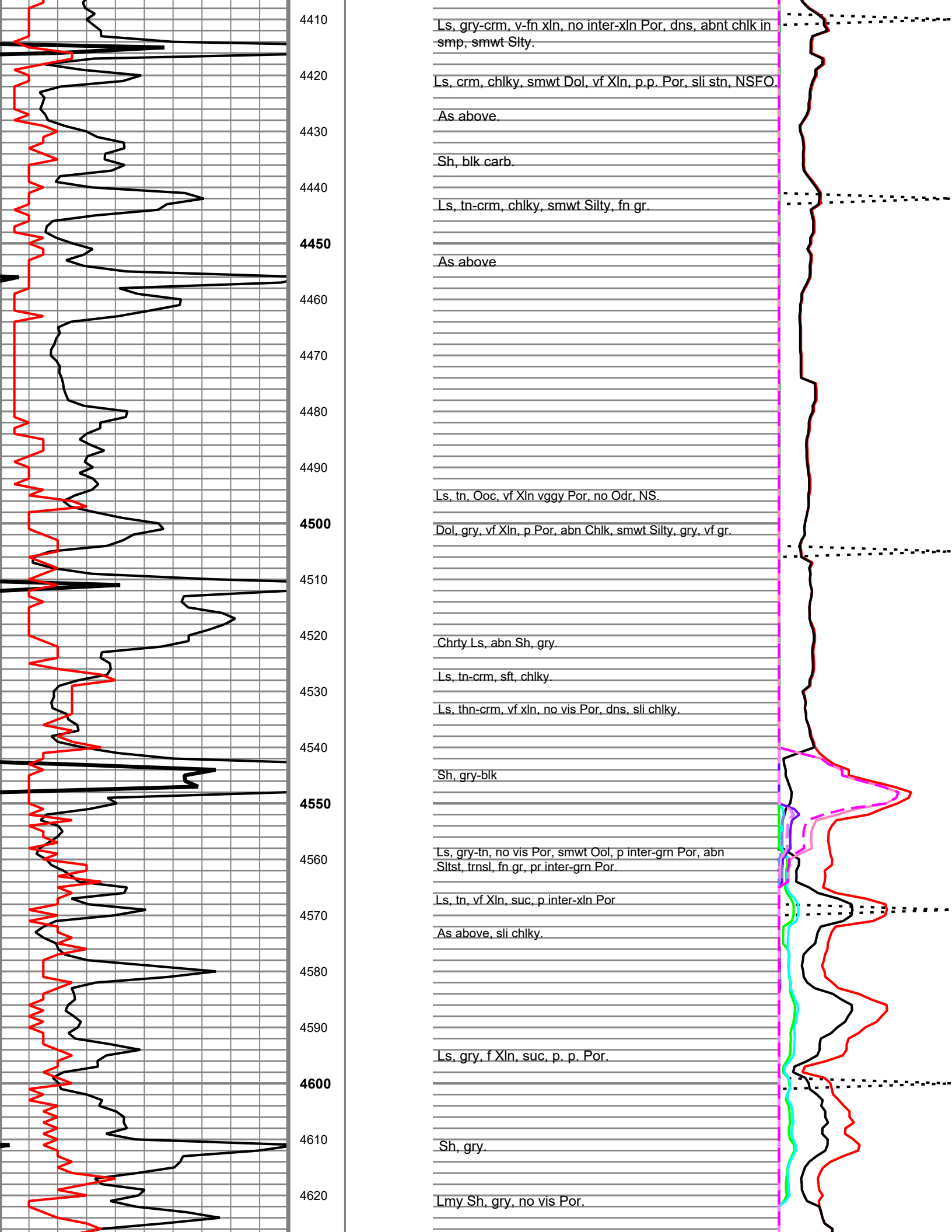
100 Units : Normal Pentane Gas Units

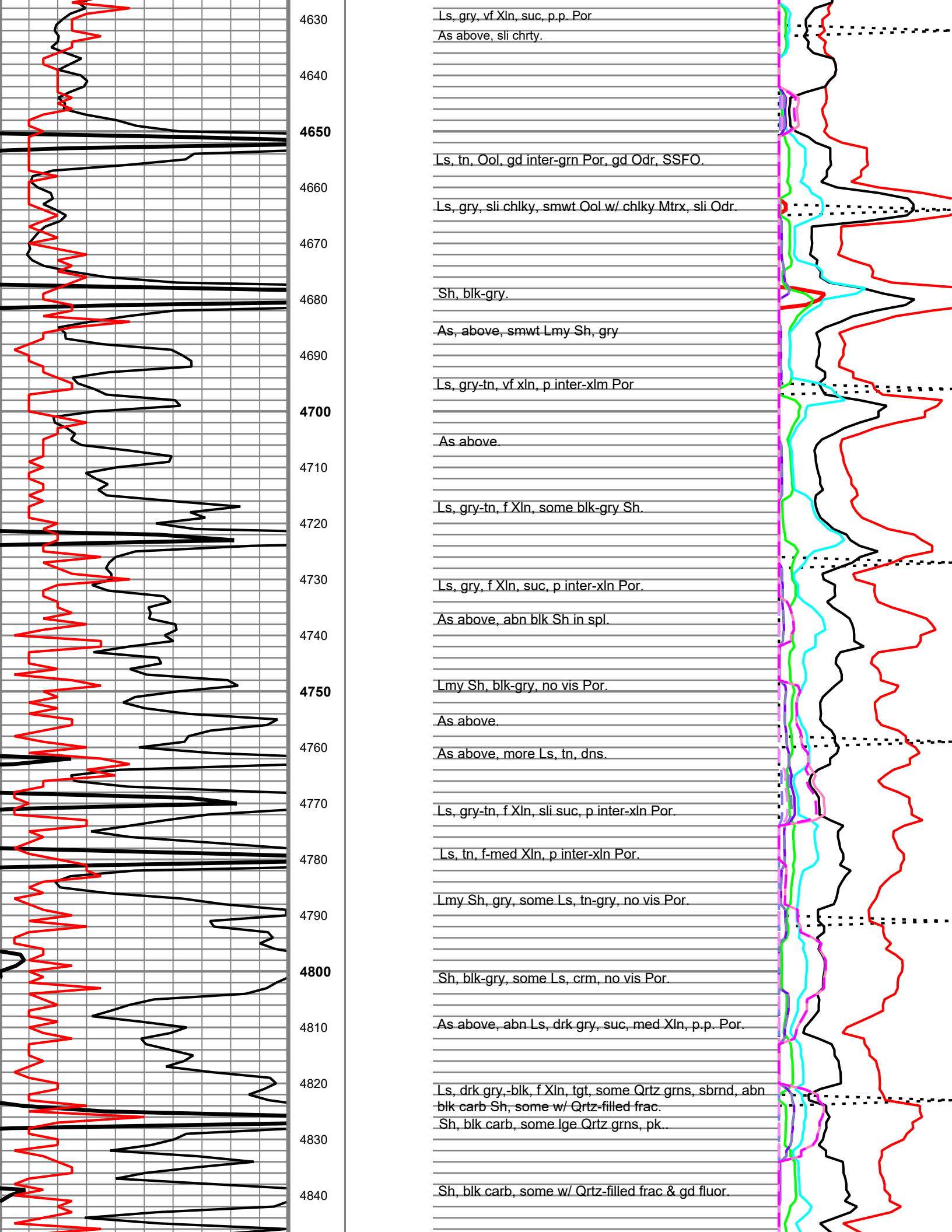
200 Units : Iso Pentane Gas Units

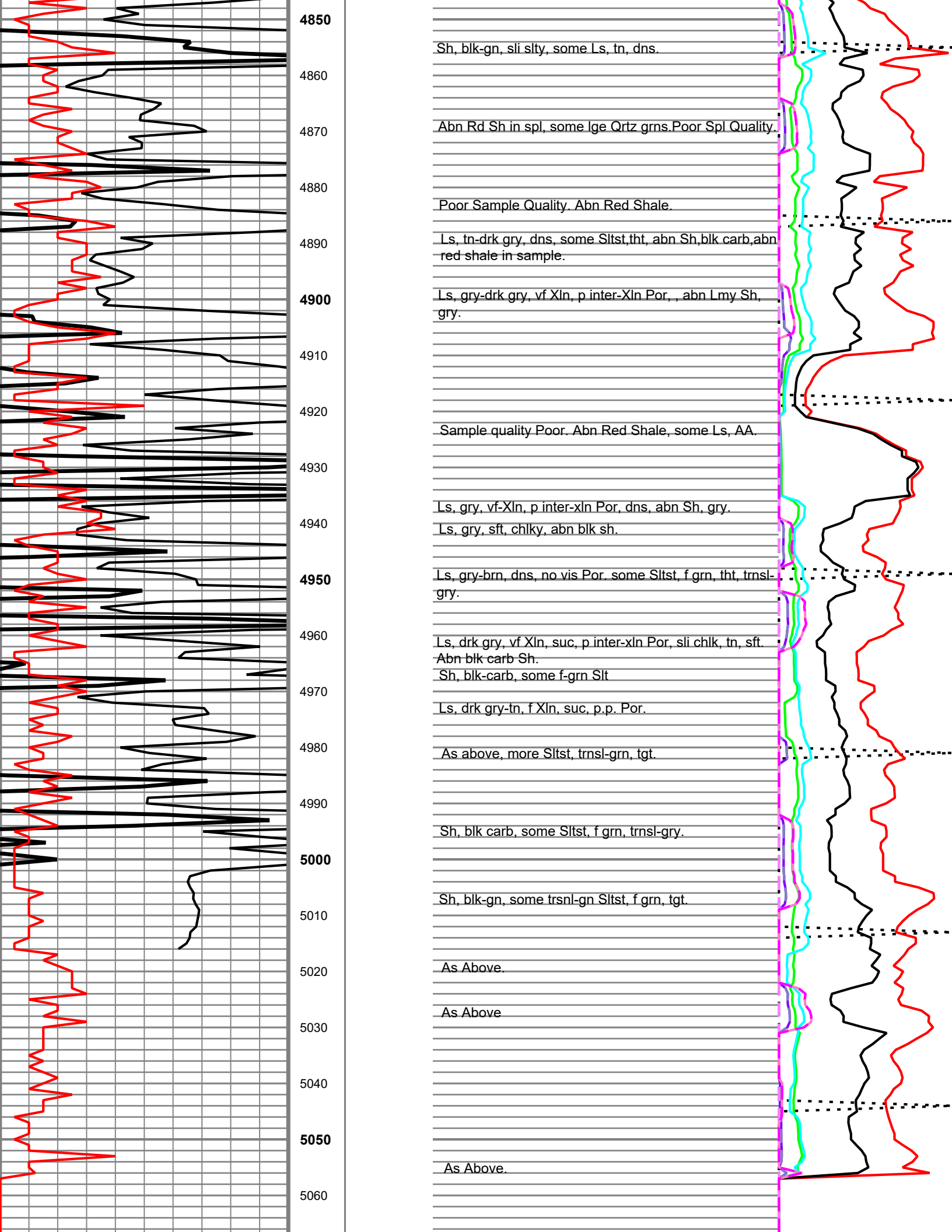
0 300

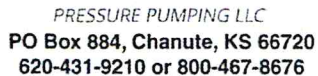


Is, gry, fn xln, no inter-xln Por, sft, sli Dol, smwt chlk.








$$\begin{array}{r} 11763 \\ \hline 11643 \end{array}$$

TICKET NUMBER 55878
LOCATION Oakley KS
FOREMAN Walt Dinkel

FIELD TICKET & TREATMENT REPORT CEMENT

Invoice #814299

 K_{∞}

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-4-18	7251	GTD Land #1-30	30	18 ^s	42 ^w	Grealey
CUSTOMER						
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY						
STATE						
ZIP CODE						

JOB TYPE	Surface	HOLE SIZE	12 1/4	HOLE DEPTH	352'	CASING SIZE & WEIGHT	8 5/8 23#
CASING DEPTH	352'	DRILL PIPE		TUBING		OTHER	
SLURRY WEIGHT	15.2	SLURRY VOL		WATER gal/sk		CEMENT LEFT in CASING	15'-20'
DISPLACEMENT	21 1/4	DISPLACEMENT PSI		MIX PSI		RATE	4 BPM

REMARKS: Safety Meeting, rig up Equipment, Circ casing on bottom,
mix 275 sks com, 3% cc- 2% Gel, Release Plug + Displace 2 1/4 BBL H₂O
Shut in

Comment: Did Give
Approx 5 BBL to Pt

Have You
Watt & Creed

[illegible]

Bayin 3737

AUTHORIZTION

TITLE TP

DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country
Estates Road, Liberal KS 67901

PRESSURE PUMPING Job Log 1

Customer:	Red Oak Energy Inc		Cement Pump No.:	38117, 19919 12.5Hrs.		Operator TRK No.:	96816	
Address:			Ticket #:	1718 15955 L		Bulk TRK No.:	70897, 37725 George	14355, 37724 Hugo
City, State, Zip:			Job Type:	Z42 - Cement Production Casing				
Service District:	1718 - Liberal, Ks.		Well Type:	OIL				
Well Name and No.:	GTB Land 1-30		Well Location:	30,18,42	County:	Greeley	State:	Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-Con' Blend	125	3% Calcium Chloride, 1/4# Polyflake	27808, 37725 George	Front	Back
AA2	150	10% W-60, 10% Salt, .5% C-17, 1/4# Defoamer, 5# Gilsontite	27808, 37725	Front	Back
A-Con' Blend	415	3% Calcium Chloride, 1/4# Polyflake	14355, 33724 Hugo	Front	Back
A-Con' Blend	50	3% Calcium Chloride, 1/4# Polyflake	14354, 19578 Jesse	Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
STAGE #1 Lead:	11.4	2.95	18.1	368.75	TT Man Hours:	115
STAGE #1 Tail:	14.8	1.51	6.65	226.5		
STAGE #2 Tail:	11.4	2.95	18.1	1224.25	# of Men on Job:	5
Rat & Mouse:	14	1.6	7.98	56		

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure(Psi)		Description of Operation and Materials
			T	C	Tubing	Casing	
9:45							ON LOCATION & SAFETY MEETING
14:00							RIG UP & WAIT
2:55 PM							RIG TO CIRCULATE
16:00							RIG TO P.T.
16:07							PRESSURE TEST TO 3200PSI
16:09	4.4	11.9				330	PUMP 500GAL MUD FLUSH
16:12	6.6	20				310	PUMP 20BBLs 2% KCL WATER
16:17	7	65.6 slurry				450	PUMP LEAD 125SX @ 11.4# / STAGE 1
16:27	7	40.3 slurry				210	PUMP TAIL 150SX @ 14.8# / STAGE 1
16:38							SHUTDOWN / DROP PLUG / WP
16:42	7	10				160	DISPLACE W/ H2O
	7	20				170	
	7	30				180	
	7	40				170	
	7	57.5				170	DISPLACE W/ 58.7BBL MUD
	7.7	60				170	
	7.5	70				300	
	7.5	80				420	
	7.8	90				630	

Size Hole	7 7/8"	Depth	5059'		TYPE	Plug Container		
Size & Wt. Csg.	5 1/2" 17#	Depth	5053'	New / Used	Stage Tool #1	2532'	Depth	
Landing Press. 1	656.2psi	Landing Press. 2	296.4psi		Stage Tool #2		Depth	
Shoe Jt.	42.16'	Type			Perfs		CIBP	

Customer Signature: <i>[Signature]</i>	Basic Representative:	Daniel Beck
	Basic Signature:	<i>[Signature]</i>
	Date of Service:	10/10/2018



PRESSURE PUMPING

Customer:	Red Oak Energy Inc			Cement Pump No.:	38117, 19919 Hrs.		Operator TRK No.:	96816		
Address:				Ticket #:	1718 15955 L		Bulk TRK No.:	70897, 37725 George	14355, 37724 Hugo	
City, State, Zip:				Job Type:	Z42 - Cement Production Casing					
Service District:	1718 - Liberal Ks			Well Type:	OIL					
Well Name and No.:	GTB Land 1-30			Well Location:	30,18,42	County:	Greeley	State:	Ks	
Time (am/pm)	(BPM)	Volume (BBLS)	Pumps		Pressure(PSI)		Description of Operation and Materials			
			T	C	Tubing	Casing				
	7.8	100				820				
16:57	7.6	106				940	SLOW RATE TO 2.0BPM @ 640PSI			
	2	110				640				
17:03	2	116				720	LAND PLUG / PRESSURE UP TO 1520PSI			
17:05							RELEASE BACK --- LATCH DOWN HELD			
17:09							DROP OPENING TOOL			
17:24							PUMP OPENING TOOL W/ 890PSI			
17:30							RIG TO CIRCULATE			
19:35							RIG TO P.T.			
19:42							PLUG RAT & MOUSE			
19:52	6.5	20				330	PUMP 20BBLS 2% KCL WATER			
7:55 PM	7	218.0 slurry				350	PUMP 550SX TAIL @ 11.4# / STAGE 2			
8:24 AM							SHUTDOWN / DROP CLOSING PLUG / WP			
8:19 AM							75SX CEMENT RETURNS			
8:28 AM	7	10				310	DISPLACE			
	6.8	20				410				
	6.8	30				510				
	6.6	40				610				
20:46	6.8	48				670	SLOW RATE TO 2.1BPM @ 470PSI			
	2.1	50				520				
20:51	2	58.7				570	LAND PLUG / PRESSURE UP TO 1550PSI			
20:53							RELEASE BACK --- CLOSING PLUG HELD			
							JOB COMPLETE			