



Joshua R. Austin

Petroleum Geologist

report for



Lebsack Oil Production, Inc.

COMPANY: Lebsack Oil Production, Inc.

LEASE: Garden City #1-13

FIELD: West Ext. Dame

LOCATION: 400'FNL & 2200' FEL (SE-NW-NW-NE)

SEC: 13 TWSP: 22s RGE: 34w

COUNTY: Finney STATE: Kansas

KB: 2923' GL: 2912'

API # 15-055-22400-00-00

CONTRACTOR: H2 Drilling LLC (rig #1)

Spud: 03/27/2015 Comp: 04/04/2015

RTD: 4860' LTD: 4858'

Mud Up: 3400' Type Mud: Chemical was displaced

Samples Saved From: 3600' to RTD.

Drilling Time Kept From: 3600' to RTD.

Samples Examined From: 3600' to RTD.

Geological Supervision From: 3850' to RTD.

Geologist on Well: Josh Austin

Surface Casing: 8 5/8" @434'

Production Casing: 5 1/2" @ 4857'

Electronic Surveys: By Pioneer Energy Services

NOTES

On the basis of the positive structural position, shows in the samples and after reviewing the electric logs, it was recommended by all parties involved in the Garden City 1-13 to run 5 1/2" production casing to further test the Mississippi and Pawnee.
No drill stem test were run.

Lebsack Oil Production, Inc.
well comparison sheet

Well Comparison Sheet

DRILLING WELL					COMPARISON WELL			
Garden City 1-13					Garden City 1-12			
							Structural Relationship	
2923 KB					2920 KB			
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log
Anhydrite	2028	895	2020	903	2024	896	-1	7
Heebner	3800	-877	3796	-873	3790	-870	-7	-3
Toronto	3819	-896	3816	-893	3814	-894	-2	1
Lansing	3894	-971	3893	-970	3890	-970	-1	0
Base KC	4320	-1397	4318	-1395	4314	-1394	-3	-1
Marmaton	4338	-1415	4341	-1418	4334	-1414	-1	-4
Pawnee	4418	-1495	4422	-1499	4413	-1493	-2	-6
Ft. Scott	4452	-1529	4450	-1527	4447	-1527	-2	0
Cherokee Sh.	4462	-1539	4459	-1536	4456	-1536	-3	0
Morrow Shale	4643	-1720	4642	-1719	4636	-1716	-4	-3
Miss. St. Gen.	4705	-1782	4708	-1785	4698	-1778	-4	-7
St. louis C	4776	-1853	4768	-1845	4778	-1858	5	13
RTD	4860	-1937			4850	-1930		
LTD			4858	-1935	4850	-1930		

ROCK TYPES

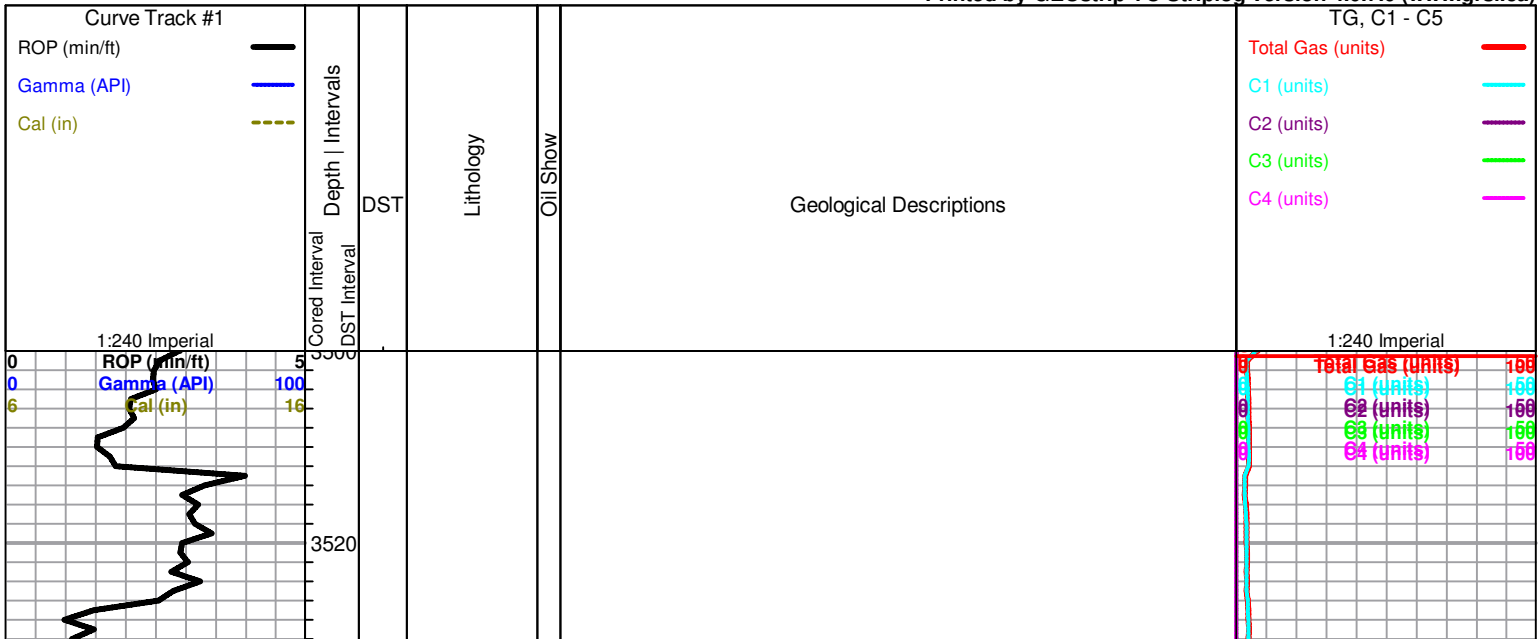
sdymst	shale, grn	Carbon Sh
Lmst fw7>	shale, gry	Ss

OTHER SYMBOLS

DST

- DST Int
- DST alt
- Core
- tail pipe

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)



3540
3560
3580
3600
3620
3640
3660
3680
3700
3720
3740

ROP (min/ft) 5
Gamma (API) 100
Cal (wt%) 16

0
0
6

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

WET and DRY SAMPLES 3620-RTD

grey, soft shale

Limestone; cream-white, granular/sandy, poor porosity, chalky, no shows

Limestone as above

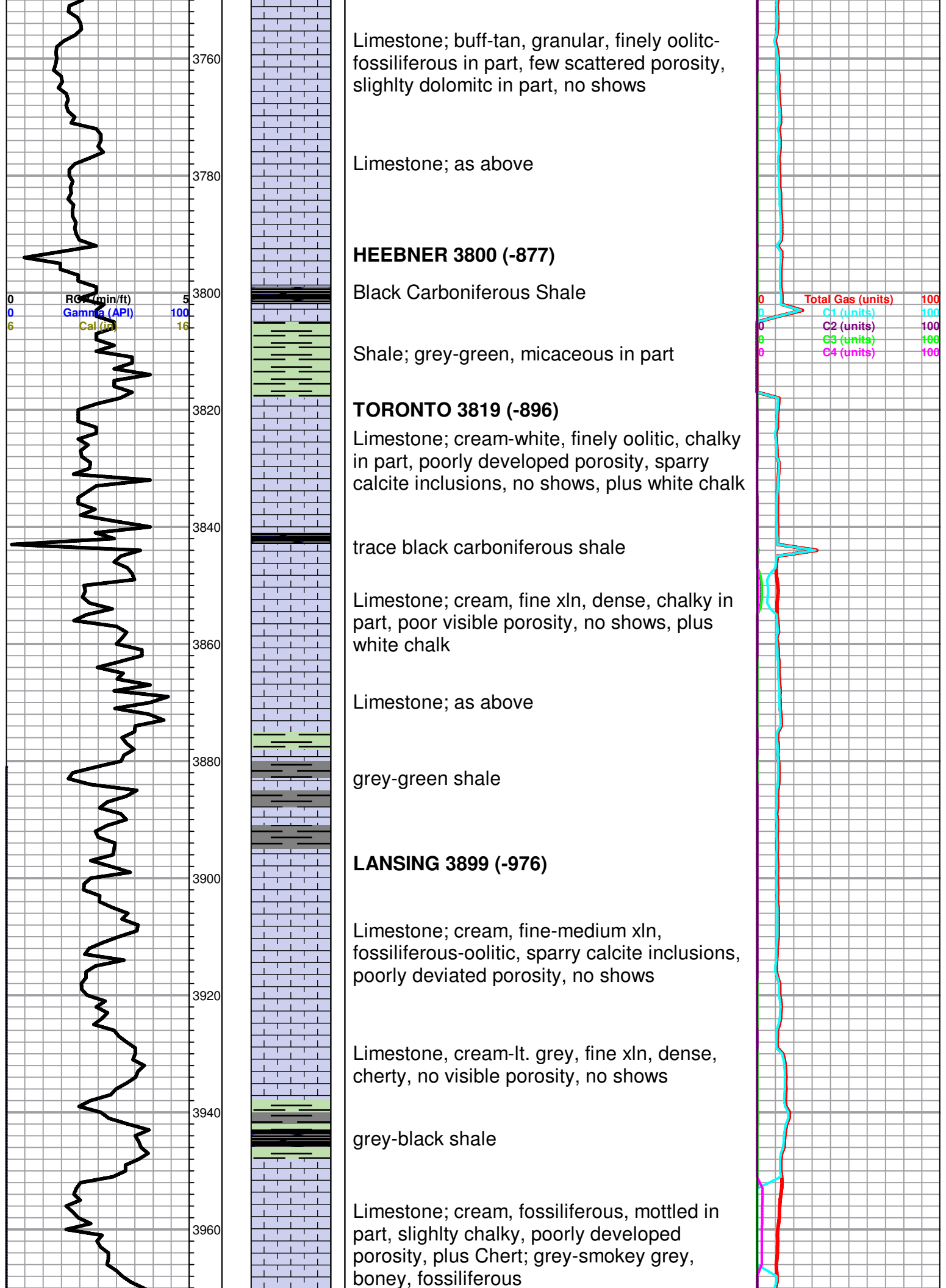
Limestone; cream-lt. grey, fine xln, dense, slightly chalky, few fossiliferous pieces, cherty in part, no shows

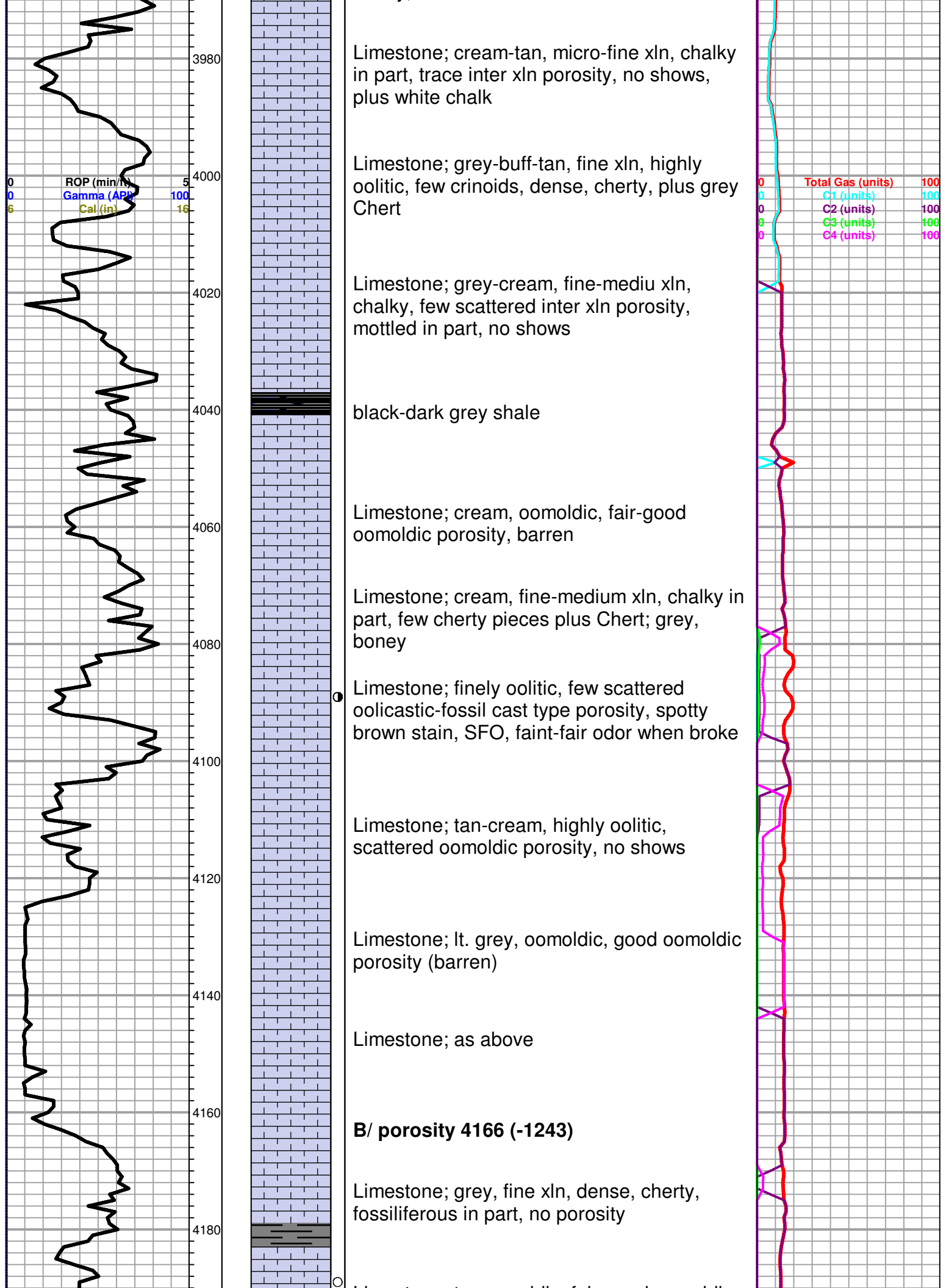
green-grey shale

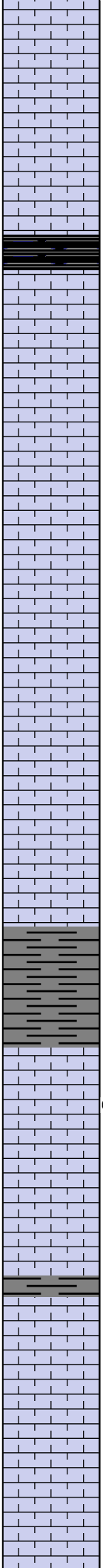
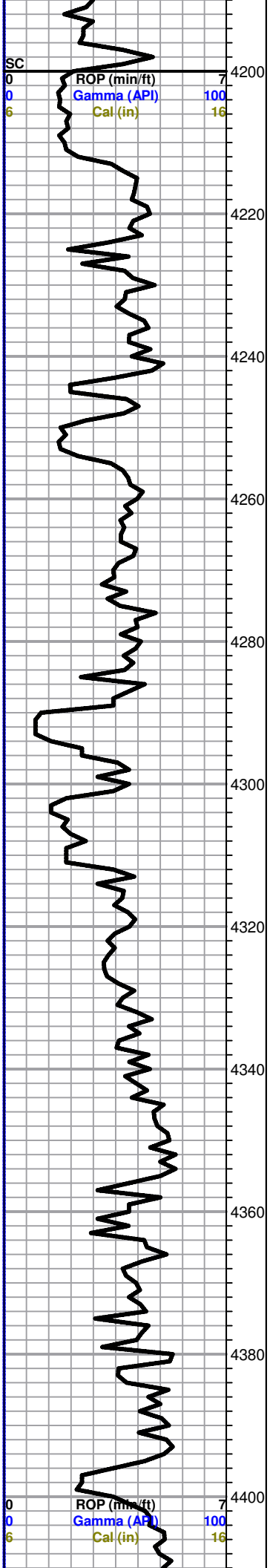
trace black carboniferous shale

Limestone; cream-buff, fine-medium xln, granular in part, slightly dolomitic, scattered porosity, few finely oolitic pieces, no shows

Shale; grey-dark grey







Limestone; tan, oomoldic, fair-good oomoldic porosity, questionable brown stain, NSFO, no odor

Limestone; grey-tan, fossiliferous-oolitic, dense, cherty, no porosity, no shows

black carboniferous shale

Limestone; cream, fine xln, chalky, trace inter xln porosity, no shows

Limestone; cream-grey, fine xln, dense, cherty

Limestone; cream-buff-tan, fine xln, dense, cherty, fossiliferous-oolitic, poor porosity, no shows, Chert; grey-opaque, boney, fossiliferous in part

trace Limestone; cream, oomoldic, chalky, good oomoldic porosity, barren

Limestone; tan, fine xln, dense, cherty, poor porosity, no shows

BASE KANSAS CITY 4320 (-1397)
grey-green, shale

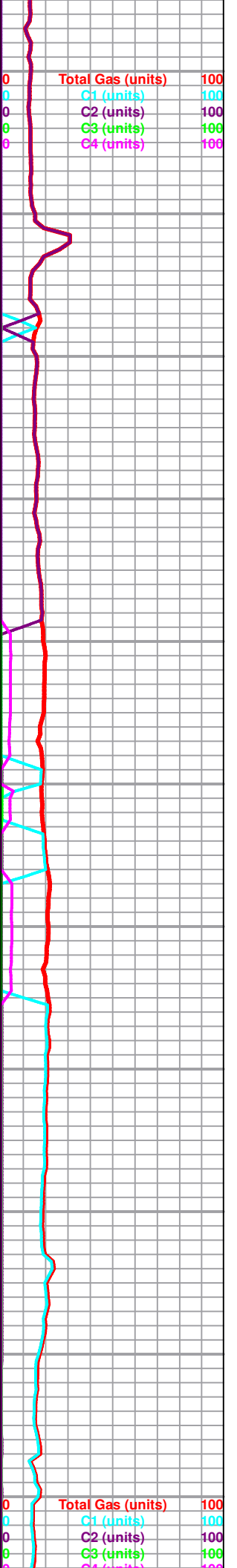
MARMATON 4338 (-1415)
Limestone; tan-cream, highly oolitic, fair-good porosity, questionable brown stain, NSFO, no odor

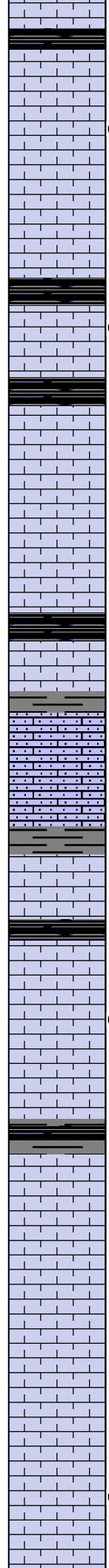
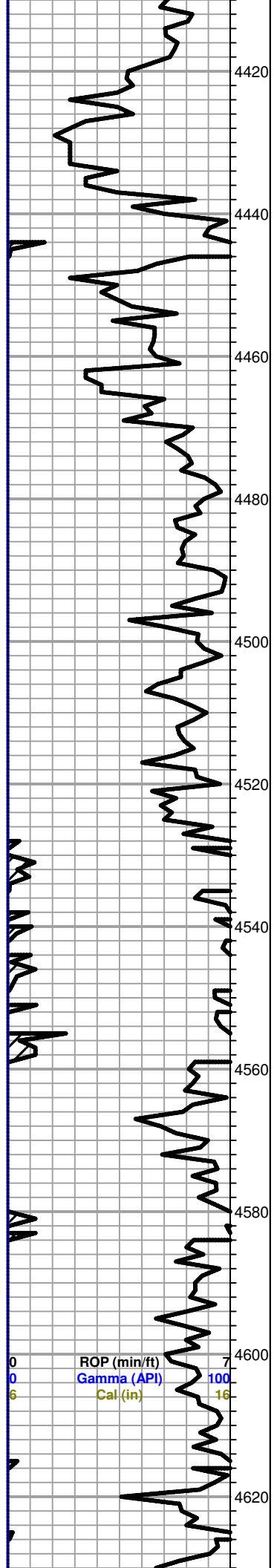
Limestone; cream, highly oolitic, chalky in part, dense, poorly developed porosity, no shows

grey-dark grey shale

Limestone; cream, oolitic, chalky in part, dense, plus grey dense, cherty Limestone

Limestone; as above, few pieces fair porosity, no shows





black carboniferous shale

PAWNEE 4418 (-1495)
Limestone; cream, fine-medium xln, slightly fossiliferous, chalky, fair inter xln porosity, golden brown stain, SFO, faint-fair odor 50 unit gas kick

FT. SCOTT 4452 (-1529)
Limestone; tan-cream, fossiliferous, trace spotty SFO, faint-fair odor, plus grey boney Chert

CHEROKEE SHALE 4462 (-1539)
black carboniferous shale

Limestone; cream-buff, fine xln, dense, cherty, fossiliferous, poor visible porosity, no shows

black carboniferous shale

Limestone; cream-tan, oolitic, dense, cherty

grey-black shale

Limestone; grey-cream, fine-medium xln, slightly granular, oolitic, no shows

Limestone; grey-buff, fine xln, fossiliferous/oolitic, dense, cherty in part, no shows

black carboniferous shale

Limestone; cream-tan, fine xln, dense, fossiliferous-oolitic, trace good ooliticastic porosity, brown stain, SFO, fair odor

plus grey-translucent Chert

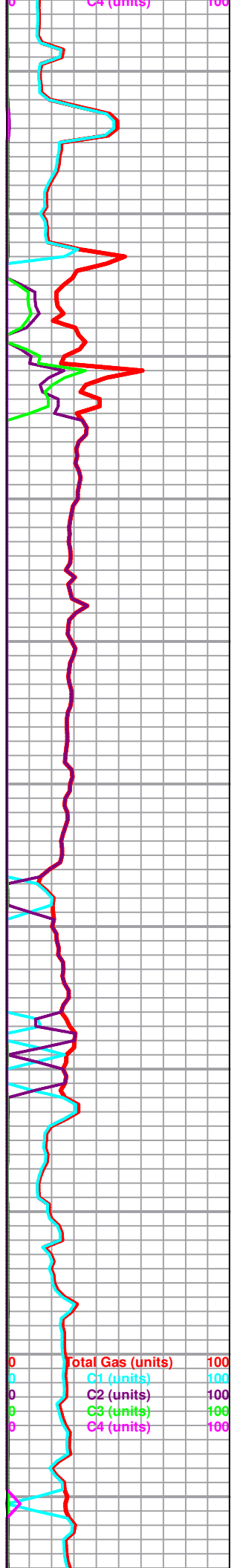
black carboniferous shale

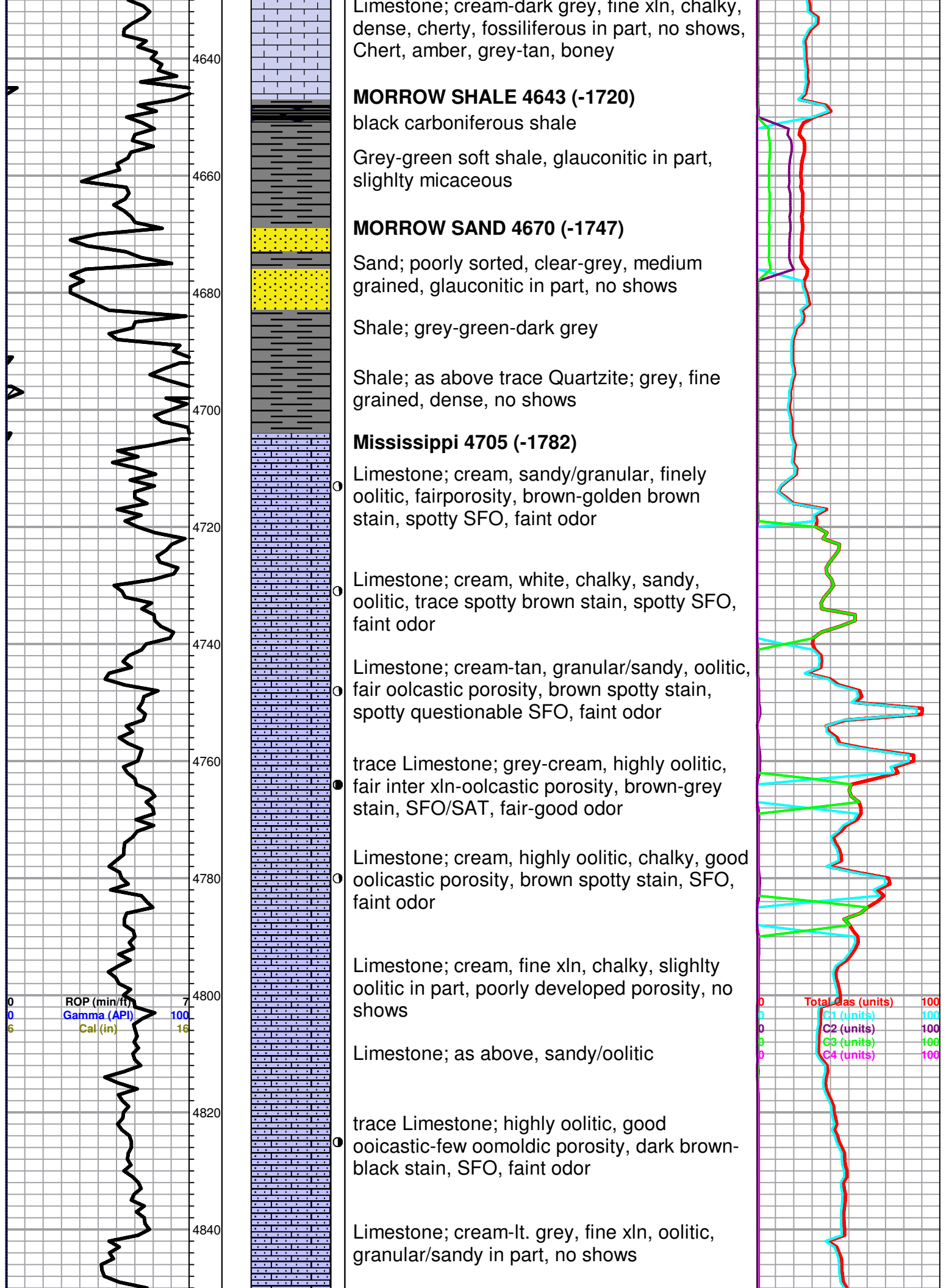
ATOKA
Limestone; cream-lt. grey, fine-mirco xln, recrystallized in part, few scattered inter xln porosity, no shows

plus grey-amber-translucent Chert

Limestone; cream-tan, fine xln, dense, fossiliferous-finely oolitic, no visible porosity, no shows

Limestone; buff-tan, fine xln, dense, pinpoint porosity, black-dark brown stain, SFO, faint odor





Limestone; as above

ROTARY TOTAL DEPTH 4860 (-1937)

4860

4880

