



Joshua R. Austin

Petroleum Geologist

report for



Lebsack Oil Production, Inc.

COMPANY: Lebsack Oil Production, Inc.

LEASE: Pfeifer-Amyx #2

FIELD: Tanker

LOCATION: 1320' FSL & 330' FWL

SEC: 7 TWSP: 22s RGE: 33w

COUNTY: Finney STATE: Kansas

KB: 2918' GL: 2905'

API # 15-055-22529-00-00

CONTRACTOR: Sterling Drilling Company (rig #5)

Spud: 11/20/2019 Comp: 11/26/2019

RTD: 4855' LTD: 4860'

Mud Up: 3485' 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" @ 479'

Production Casing: 5 1/2" @ 4851'

Electronic Surveys: Pioneer Energy Services

NOTES

On the basis of the structural position, shows in the samples and after reviewing the electric log it was recommended by all parties involved to run 5 1/2" production casing and further test the zones. No drill stem test were ran.

Lebsack Oil Production, Inc.

well comparison sheet

DRILLING WELL

COMPARISON WELL

COMPARISON WELL

Formation	2918 KB				2917 KB				Structural Relationship		2919 KB		Structural Relationship	
	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log		
Anhydrite	2019	899			2016	901	-2		2014	905	-6			
B/ Anhydrite	2034	884			2034	883	1		2028	891	-7			
Heebner	3788	-870	3792	-874	3792	-875	5	1	3784	-865	-5	-9		
Toronto	3802	-884	3808	-890	3805	-888	4	-2	3800	-881	-3	-9		
Lansing	3880	-962	3886	-968	3881	-964	2	-4	3875	-956	-6	-12		
base porosity	4154	-1236	4154	-1236	4155	-1238	2	2	4149	-1230	-6	-6		
Base KC	4306	-1388	4305	-1387	4309	-1392	4	5	4299	-1380	-8	-7		
Marmaton	4334	-1416	4332	-1414	4337	-1420	4	6	4325	-1406	-10	-8		
Pawnee	4408	-1490	4413	-1495	4414	-1497	7	2	4404	-1485	-5	-10		
Ft. Scott	4436	-1518	4443	-1525	4445	-1528	10	3	4438	-1519	1	-6		
Cherokee Sh.	4446	-1528	4450	-1532	4450	-1533	5	1	4444	-1525	-3	-7		
Morrow Shale	4632	-1714	4636	-1718	4639	-1722	8	4	4630	-1711	-3	-7		
Mississippi	4676	-1758	4678	-1760	4691	-1774	16	14	4661	-1742	-16	-18		
St. louis C	4759	-1841	4759	-1841	4762	-1845	4	4	4758	-1839	-2	-2		
RTD	4855	-1937			4860	-1943			4860	-1941				
LTD	4860	-1942			4859	-1942			4860	-1941				

ROCK TYPES

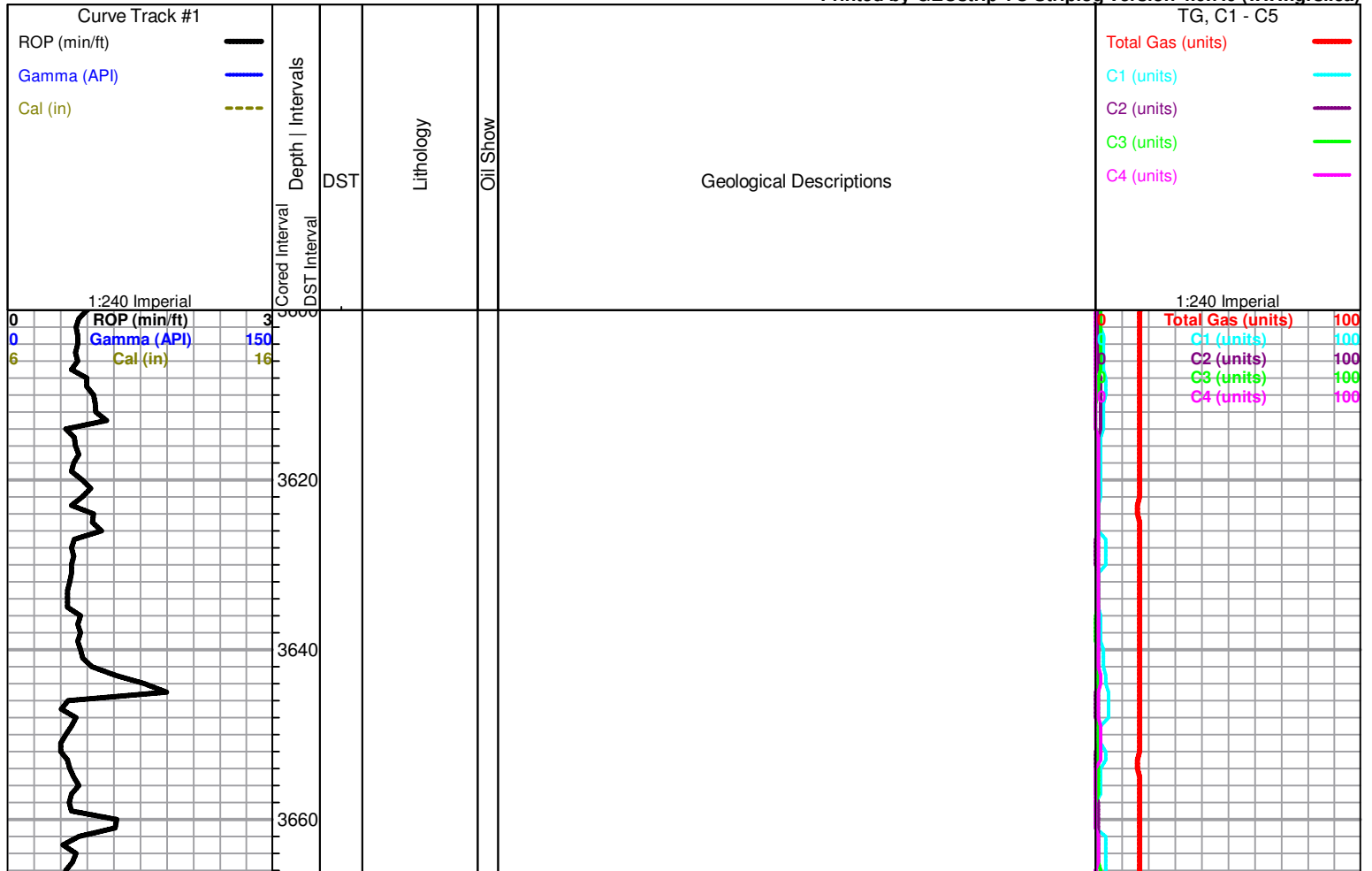
 sdymst
  shale, grn
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  shale, gry
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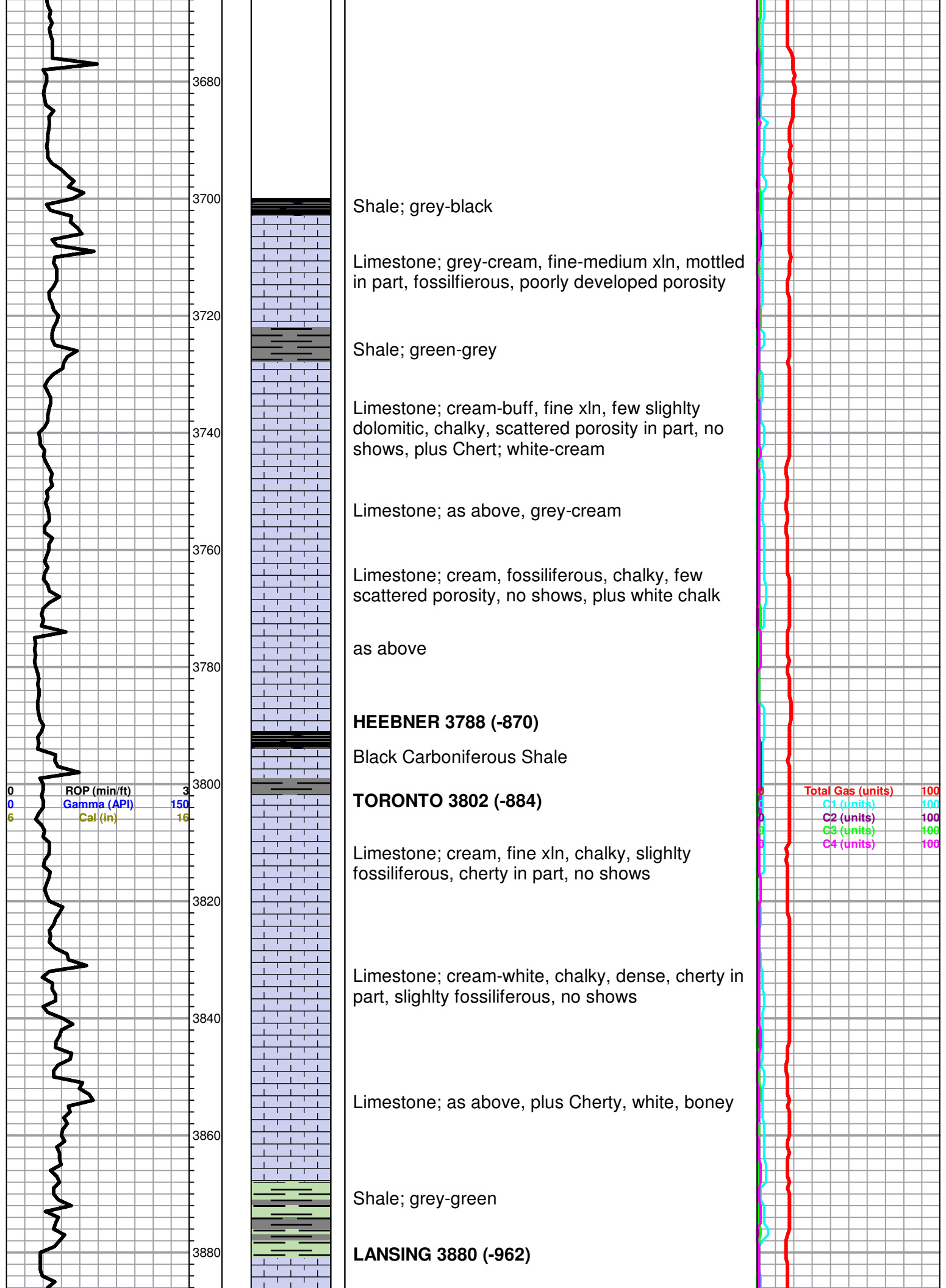
OTHER SYMBOLS

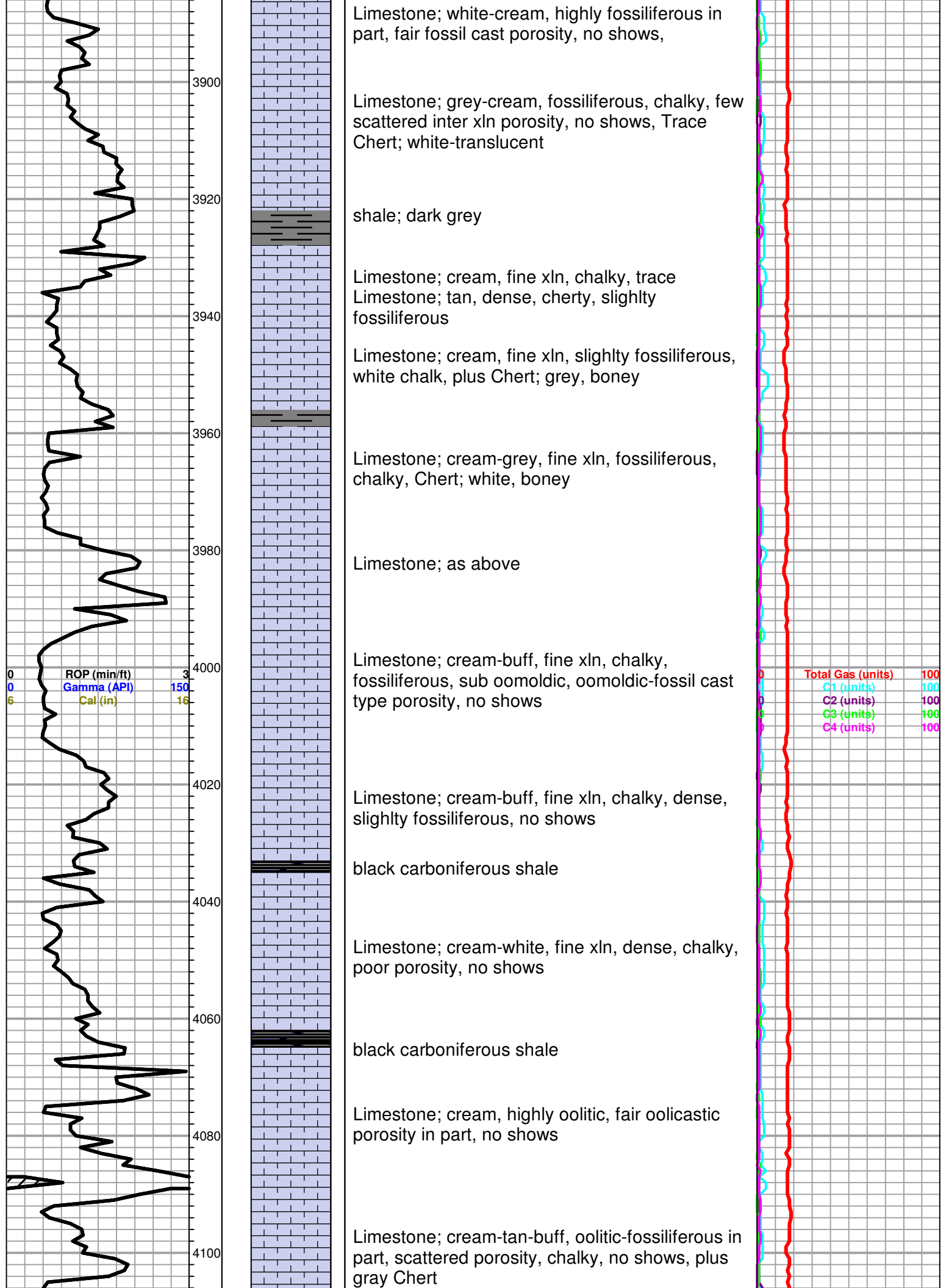
DST

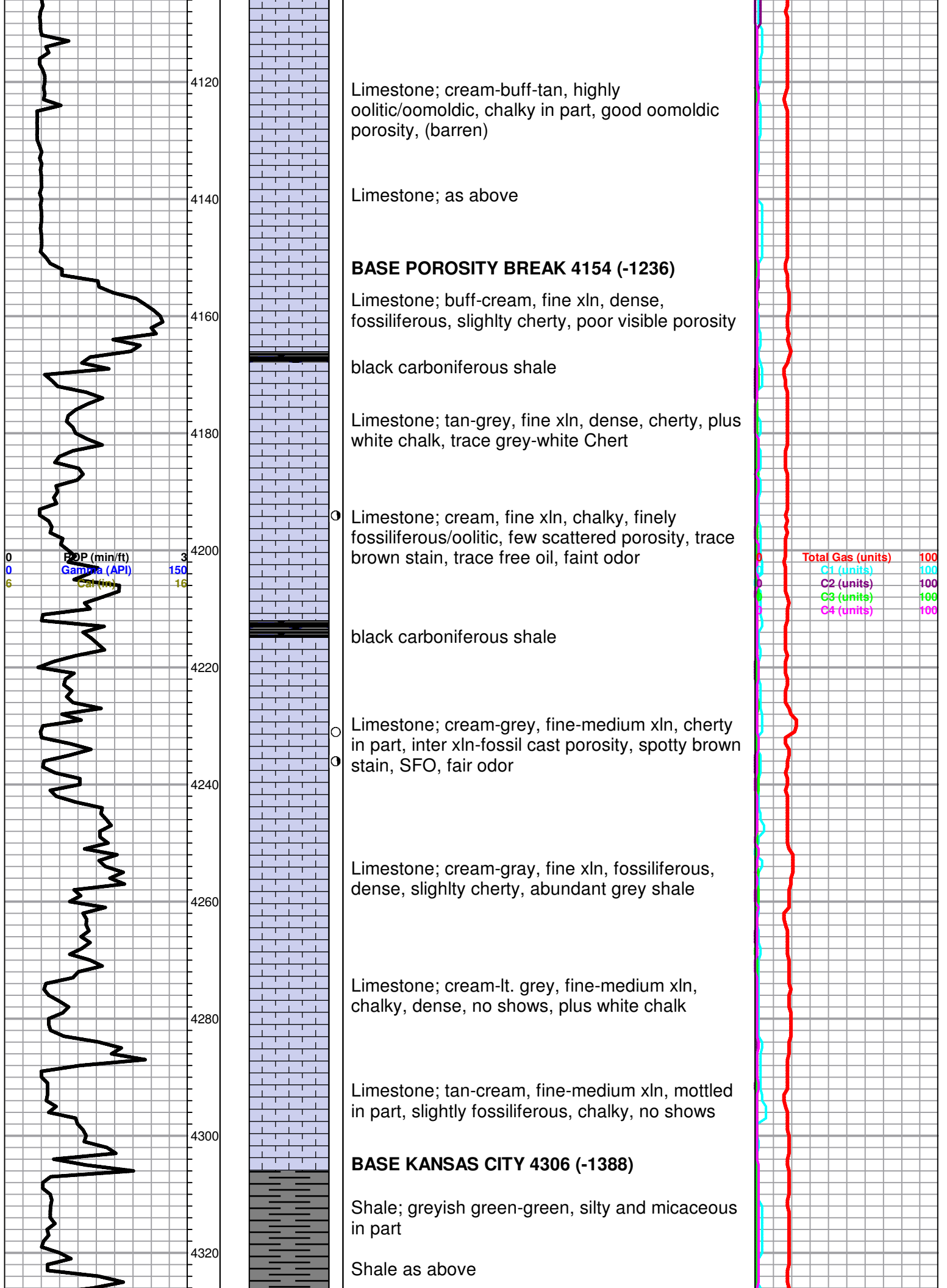
-  DST Int
-  DST alt
-  Core
-  tail pipe

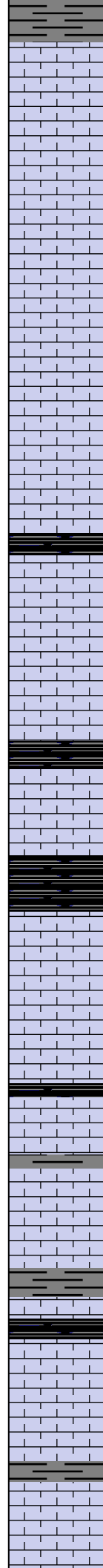
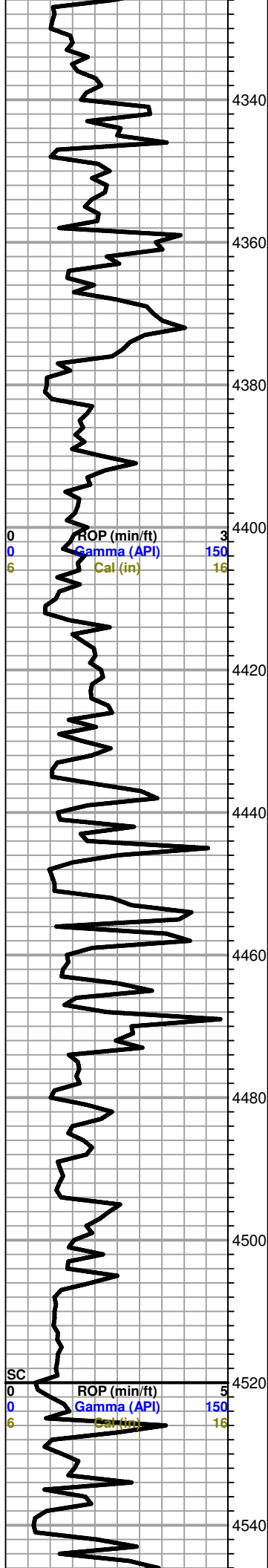
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MARMATON 4334 (-1416)

Limestone; cream, fossiliferous/ oolitic, inter xln-oolitic porosity, brown spotty stain, trace free oil, very faint odor

Limestone; cream-tan, fine xln, fossiliferous in part, few scattered porosity, no shows

Limestone; grey, fine xln, dense, trace sparry calcite, dark brown stain, trace free oil, no odor

Limestone; cream-buff, fine xln, chalky, slightly dolomitic, no shows

black carboniferous shale

PAWNEE 4408 (-1490)

Limestone; cream, fine xln, finely oolitic, chalky in part, inter xln type porosity, spotty brown stain, spotty trace free oil, faint odor when sample broke

Limestone; cream-grey, fine xln, chalky, dense, poorly developed porosity, no shows
black carboniferous shale

FT. SCOTT 4436 (-1518)

Limestone; cream, fine xln, inter xln type porosity, trace brown stain, questionbale trace free oil

CHEROKEE 4446 (-1528)

black carboniferous shale

Limestone; cream-buff, finely oolitic, chalky in part, few scattered oolitic type porosity, no shows

Limestone as above

trace black carboniferous shale

dark grey-grey shale

Limestone; cream-grey, fine-medium xln, few ganular pieces, fossiliferous in part

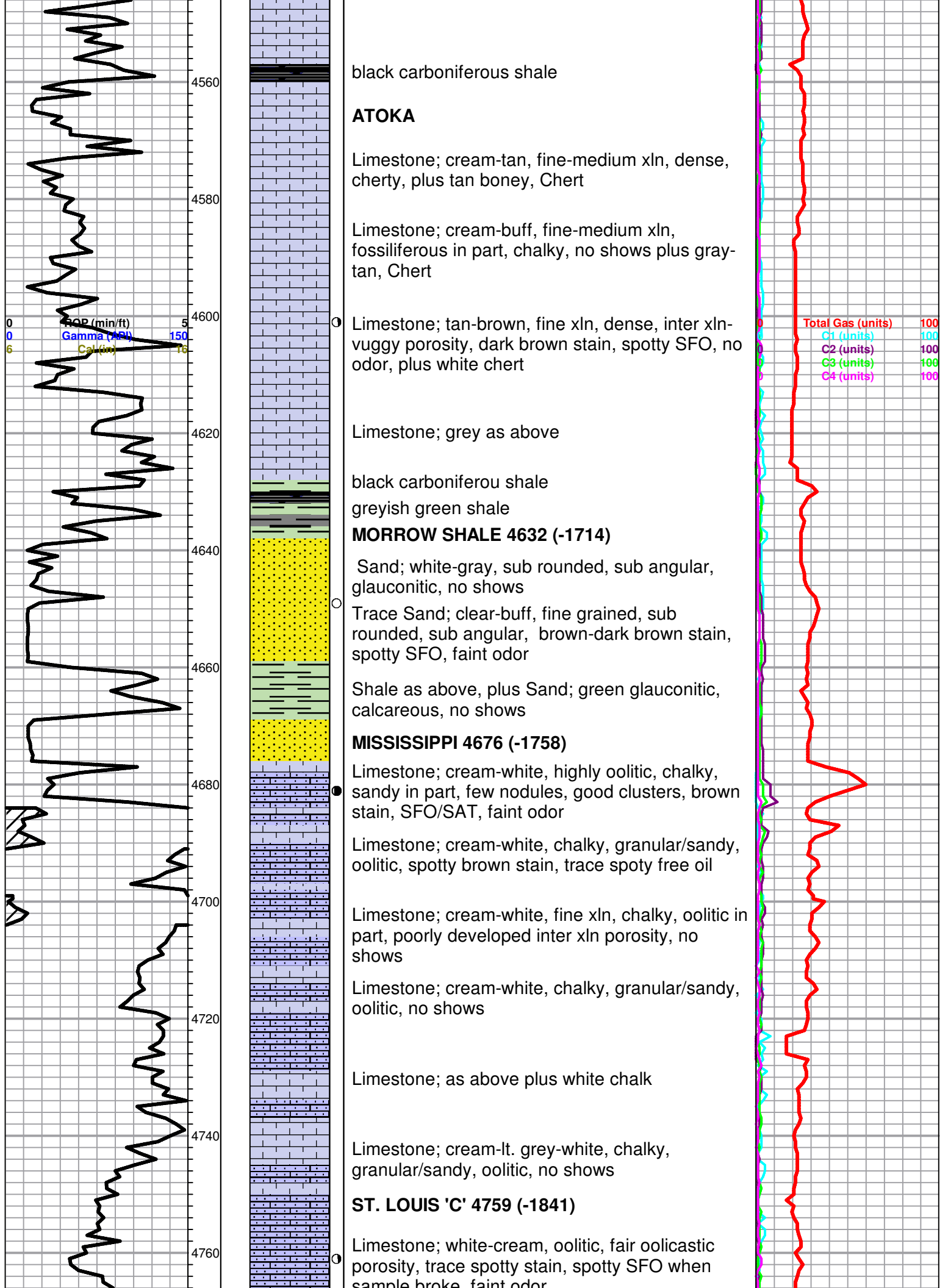
Shale; grey-green

black carboniferou shale

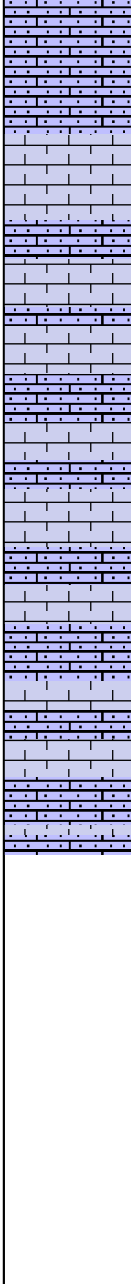
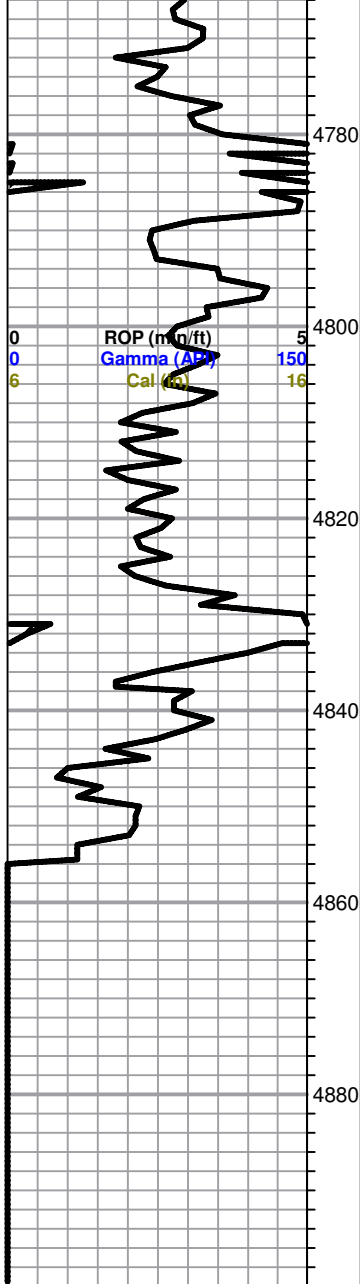
Limestone; cream, fine xln, sparry calcite in part, dense, slighly cherty

Limestone; tan-grey-cream, fine xln, dense, cherty, poor visible porosity, no shows





sample broke, faint color



Limestone; cream-white, oolitic, granular, poorly developed porosity, no shows

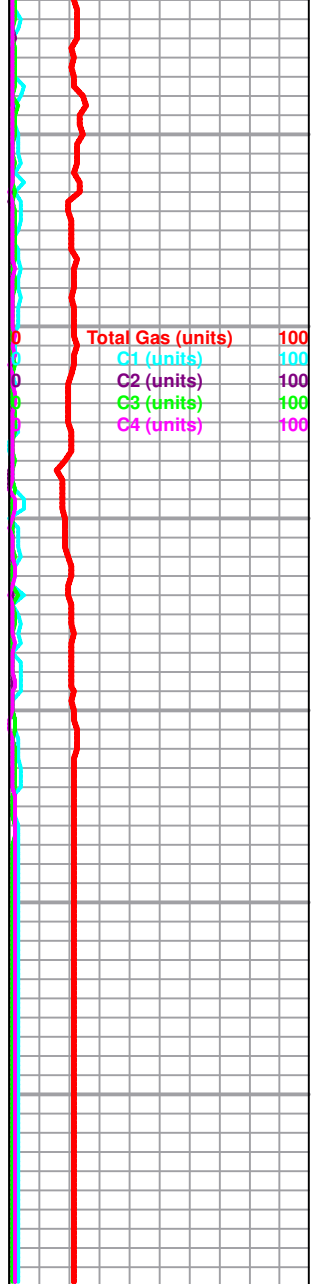
Limestone; buff-cream-grey, fine xln-finely oolitic, granular in part, no shows

Limestone; as above, chalky in part, plus Chert; white, boney

Limestone; cream-tan, fine xln, dense, chalky in part, slightly fossiliferous/oolitic, plus white Chert

Limestone; cream-buff-tan, fine-medium xln, granular in part, scattered inter xl porosity, no shows, plus White Chert

ROTARY TOTAL DEPTH 4855 (-1937)



4780

4800

4820

4840

4860

4880