



Joshua R. Austin

Petroleum Geologist

report for

Lebsack Oil Production, Inc.



COMPANY: Lebsack Oil Production, Inc.

LEASE: Garden City #1-7

FIELD: West Damme Ext.

LOCATION: 2,200' FNL & 660' FWL (N/2-S2-SW-NW)

SEC: 7 TWSP: 22s RGE: 33w

COUNTY: Finney STATE: Kansas

KB: 2914' GL: 2903'

API # 15-055-22441-00-00

CONTRACTOR: Sterling Drilling Company (rig #5)

Spud: 10/20/2016 Comp: 10/27/2016

RTD: 4860 LTD: 4858

Mud Up: 3400' Type Mud: Chemical was displaced

Samples Saved From: 3700' to RTD.

Drilling Time Kept From: 3700' to RTD.

Samples Examined From: 3700' to RTD.

Geological Supervision From: 3850' to RTD.

Geologist on Well: Josh Austin

Surface Casing: 8 5/8" @ 434'

Production Casing: 5 1/2" @ 4848'

Electronic Surveys: Pioneer Energy Services

NOTES

On the basis of the positive structural position, drill stem test and after reviewing the electric logs it was recommended by all parties involved in the Garden City 1-7 to run 5 1/2" production casing to further test the Mississippian.

Respectfully submitted

Lebsack Oil Production, Inc.
well comparison sheet

Well Completion Report

Formation	DRILLING WELL Garden City #1-7				COMPARISON WELL Garden City #8-12				COMPARISON WELL Garden City #5-12			
	2914 KB				2920 KB		Structural Relationship		2917 KB		Structural Relationship	
	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Heebner	3792	-878	3798	-884	3788	-868	-10	-16	3794	-877	-1	-7
Toronto	3806	-892	3808	-894	3801	-881	-11	-13	3810	-893	1	-1
Lansing	3887	-973	3891	-977	3878	-958	-15	-19	3888	-971	-2	-6
Base KC	4309	-1395	4308	-1394	4302	-1382	-13	-12	4308	-1391	-4	-3
Marmaton	4331	-1417	4335	-1421	4328	-1408	-9	-13	4335	-1418	1	-3
Pawnee	4407	-1493	4411	-1497	4403	-1483	-10	-14	4416	-1499	6	2
Ft. Scott	4442	-1528	4440	-1526	4440	-1520	-8	-6	4441	-1524	-4	-2
Cherokee Sh.	4454	-1540	4450	-1536	4446	-1526	-14	-10	4453	-1536	-4	0
Morrow Shale	4636	-1722	4636	-1722	4632	-1712	-10	-10	4634	-1717	-5	-5
Mississippi	4678	-1764	4678	-1764	4682	-1762	-2	-2	4694	-1777	13	13
St. Louis C	4765	-1851	4762	-1848	4764	-1844	-7	-4	4786	-1869	18	21
RTD	4860	-1946			4860	-1940			4860	-1943		
LTD	4858	-1944			4859	-1939			4866	-1949		



DRILL STEM TEST REPORT

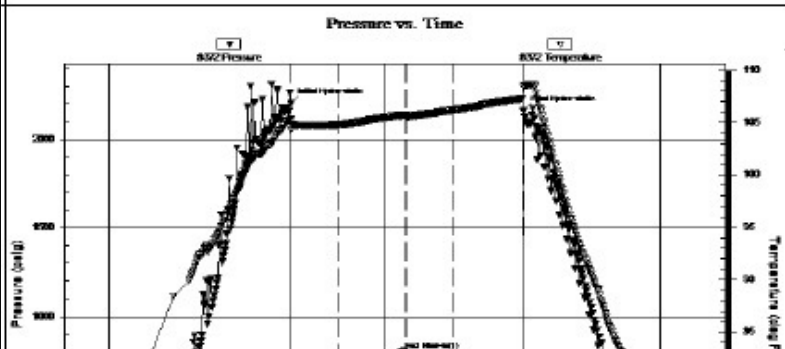
Lebsack Oil Production Inc	7 22s 33w Finney
P. O. Box 354 Chase KS 67524	Garden City 1-7
ATTN: Josh Austin	Job Ticket: 63008 DST#: 1
	Test Start: 2016.10.24 @ 11:50:00

GENERAL INFORMATION:

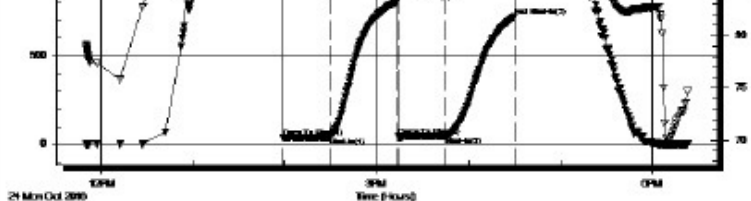
Formation: Pawnee	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Jim Svaty
Time Tool Opened: 13:59:15	Unit No: 76
Time Test Ended: 18:23:00	
Interval: 4396.00 ft (KB) To 4431.00 ft (KB) (TVD)	Reference Elevations: 2914.00 ft (KB)
Total Depth: 4431.00 ft (KB) (TVD)	2903.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Fair
	KB to GR/CF: 11.00 ft

Serial #: 8372 Outside	Capacity: 8000.00 psig
Press@RunDepth: 43.64 psig @ 4398.00 ft (KB)	Last Calib.: 2016.10.24
Start Date: 2016.10.24 End Date: 2016.10.24	Time On Btm: 2016.10.24 @ 13:59:00
Start Time: 11:50:02 End Time: 18:23:00	Time Off Btm: 2016.10.24 @ 16:30:30

TEST COMMENT: 30-IFP- 1/2in. Blow Started to Die Back in 14min.
 45-ISIP- No Blow
 30-FFP- No Blow
 45-FSIP- No Blow



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2201.65	105.23	Initial Hydro-static
1	37.58	104.30	Open To Flow (1)
31	40.71	104.75	Shut-In(1)
75	806.48	105.73	End Shut-In(1)
76	41.73	105.48	Open To Flow (2)
106	43.64	106.17	Shut-In(2)
151	720.04	107.30	End Shut-In(2)



152 2156.94 108.39 Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Oil Speck Mud 1%o 99%m	0.20

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lebsack Oil Production Inc
 P. O. Box 354
 Chase KS 67524
 ATTN: Josh Austin

7 22s 33w Finney
Garden City 1-7
 Job Ticket: 63009 **DST#: 2**
 Test Start: 2016.10.26 @ 07:49:00

GENERAL INFORMATION:

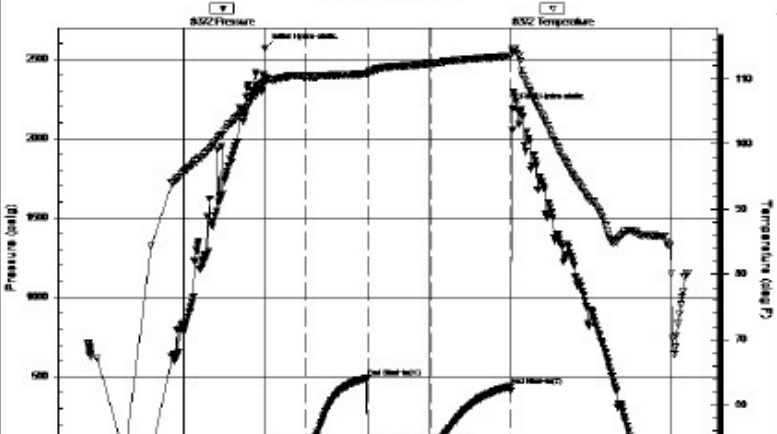
Formation: **Mississippi**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 10:00:45
 Time Test Ended: 15:12:00
 Test Type: **Conventional Bottom Hole (Reset)**
 Tester: **Jim Svaty**
 Unit No: **76**
 Interval: **4755.00 ft (KB) To 4775.00 ft (KB) (TVD)**
 Total Depth: **4775.00 ft (KB) (TVD)**
 Reference Elevations: **2914.00 ft (KB)**
2903.00 ft (CF)
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 KB to GR/CF: **11.00 ft**

Serial #: 8372

Outside
 Press@RunDepth: **42.54 psig @ 4757.00 ft (KB)**
 Capacity: **8000.00 psig**
 Start Date: **2016.10.26** End Date: **2016.10.26**
 Last Calib.: **2016.10.26**
 Start Time: **07:49:02** End Time: **15:12:30**
 Time On Btm: **2016.10.26 @ 10:00:30**
 Time Off Btm: **2016.10.26 @ 13:02:30**

TEST COMMENT: 30-IFP- Surface Blow Building to 2 1/2in.
 45-ISIP- No Blow
 45-FFP- Surface Blow Building to 4in.
 60-FSIP- No Blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2565.01	110.28	Initial Hydro-static
1	32.88	109.43	Open To Flow (1)
30	33.72	110.33	Shut-In(1)
76	491.97	110.74	End Shut-In(1)
76	32.65	110.74	Open To Flow (2)
122	42.54	112.36	Shut-In(2)
181	439.03	113.51	End Shut-In(2)
182	2182.39	114.08	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
59.00	25%o 75%m	0.29
0.00	GIP 100'	0.00

* Recovery from multiple tests

Gas Rates

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

ROCK TYPES

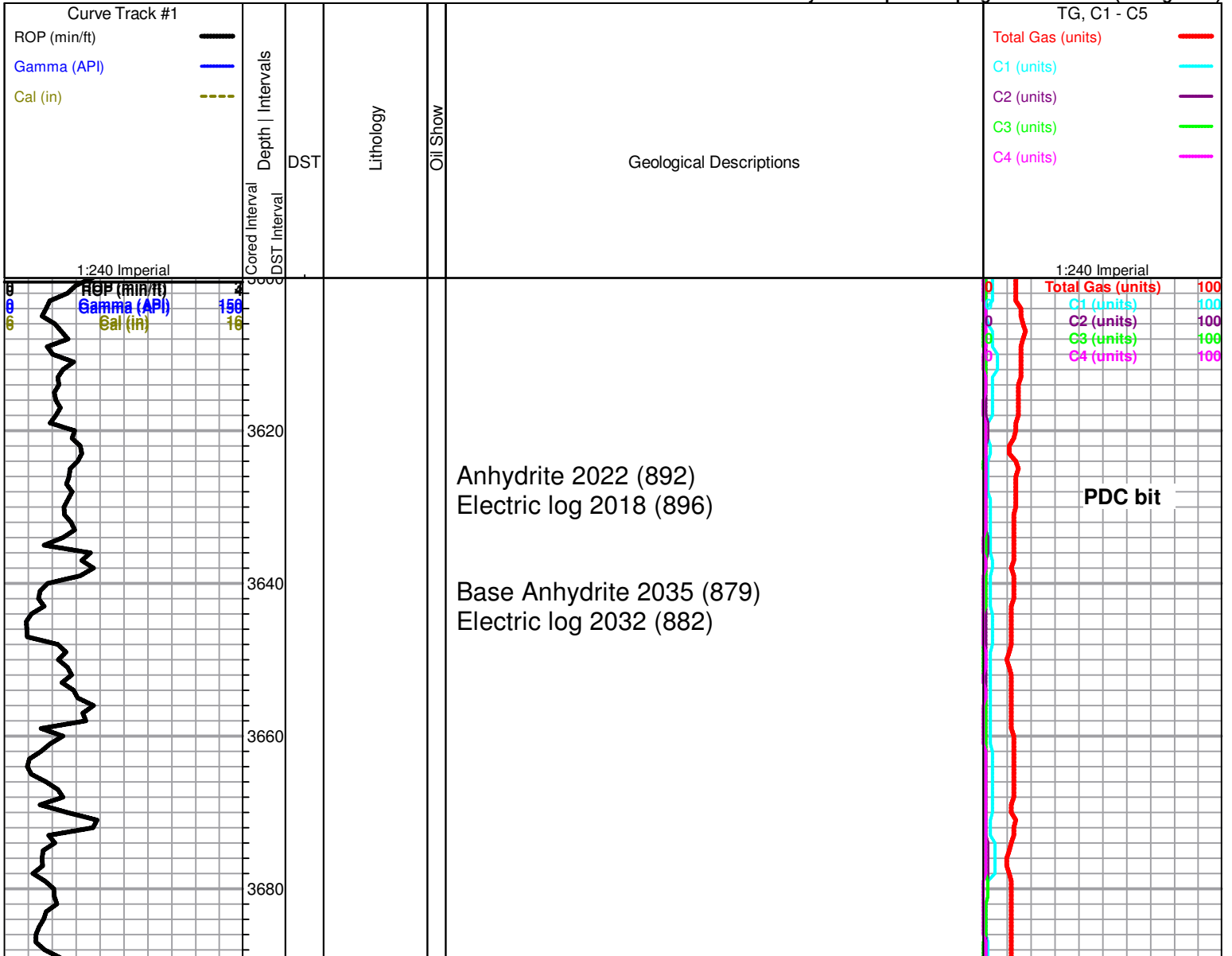
	sdymst		shale, grn		Carbon Sh
	Lmst fw7>		shale, gry		Ss

OTHER SYMBOLS

DST

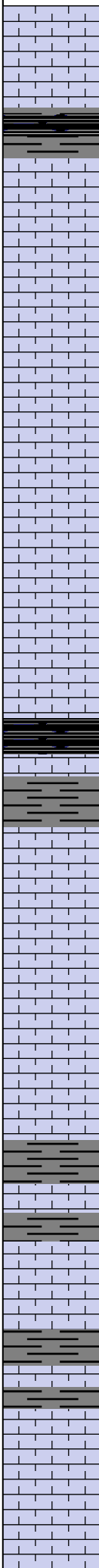
- DST Int
- DST alt
- Core
- tail pipe

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



3700
3720
3740
3760
3780
3800
3820
3840
3860
3880
3900

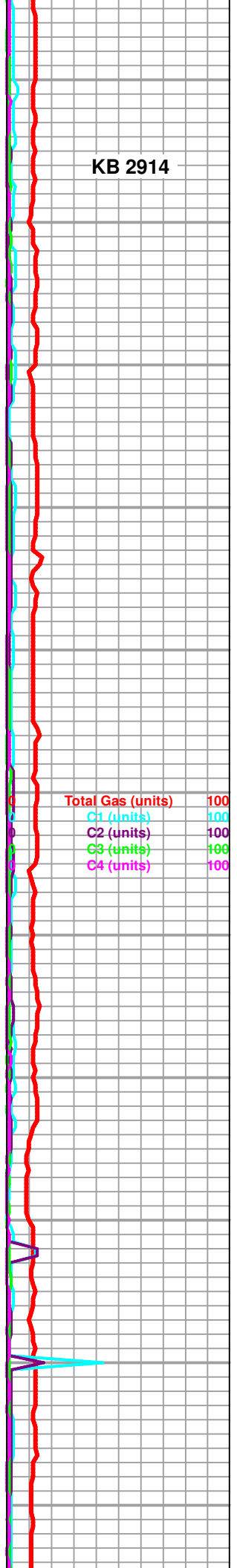
ROP (min/ft) 4
Gamma (API) 150
Cal (in) 16

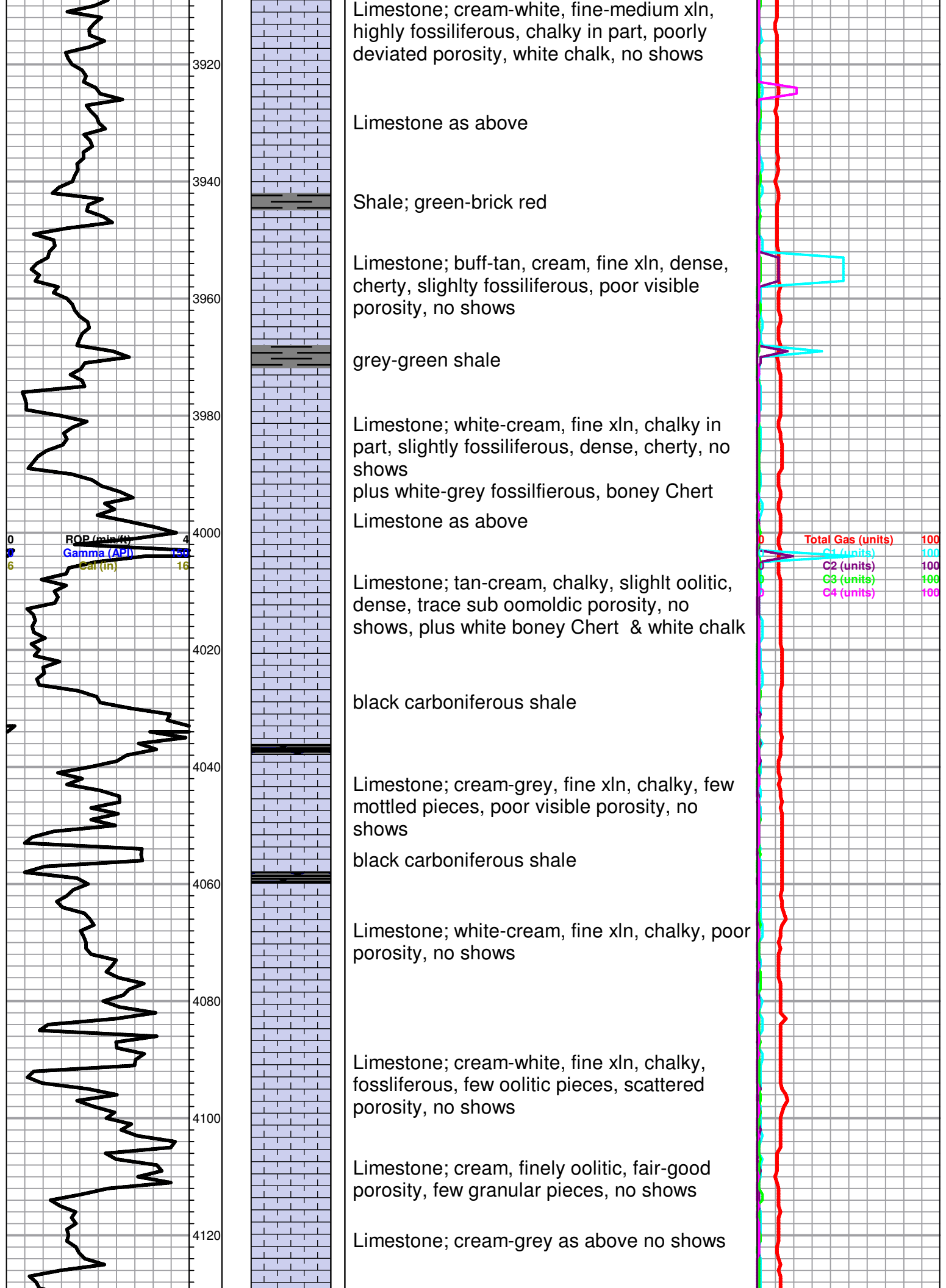


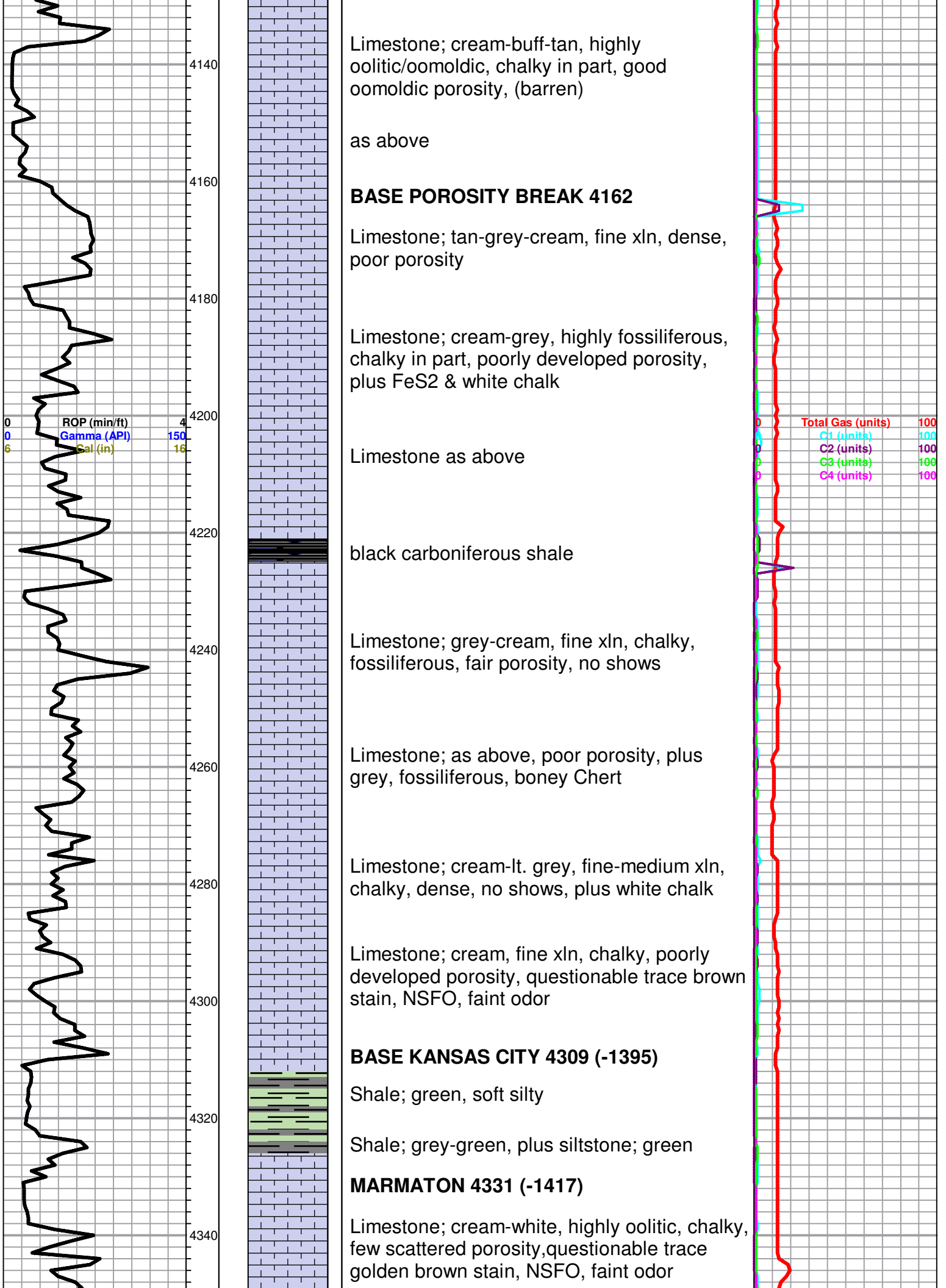
grey-dark grey
trace black carboniferous shale
Limestone; tan-cream, fine-medium xln, finely granular, oolitic in part, no shows
Limestone; cream-lt. grey, fine-medium xln, highly fossiliferous-slightly oolitic, granular in part, chalky, plus White chalk
Limestone; tan-buff, fine xln, slightly sucrosic, dolomitic in part, no shows
HEEBNER 3792 (-878)
Black Carboniferous Shale
grey-green, soft, silty shale
TORONTO 3806 (-892)
Limestone; white-cream, fine xln, chalky, few fossiliferous-oolitic pieces, poor porosity, no shows
Limestone; cream-lt. grey, fine xln, dense, few sparry calcite, chalky in part, no shows
grey-green soft shale
Limestone; cream-white, fine xln, chalky, dense, plus chert; white, fossiliferous, boney
grey shale
LANSING 3887 (-973)
Limestone; cream, fine xln, fossiliferous, chalky in part, few scattered porosity, white chalk, no shows

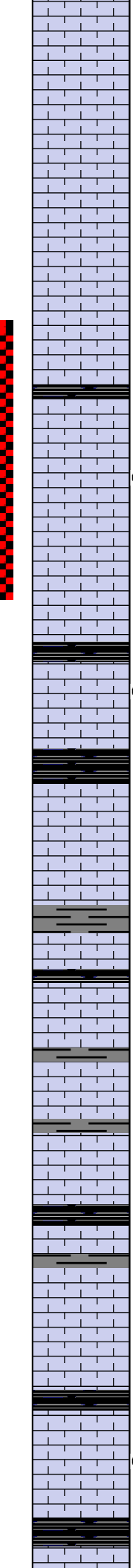
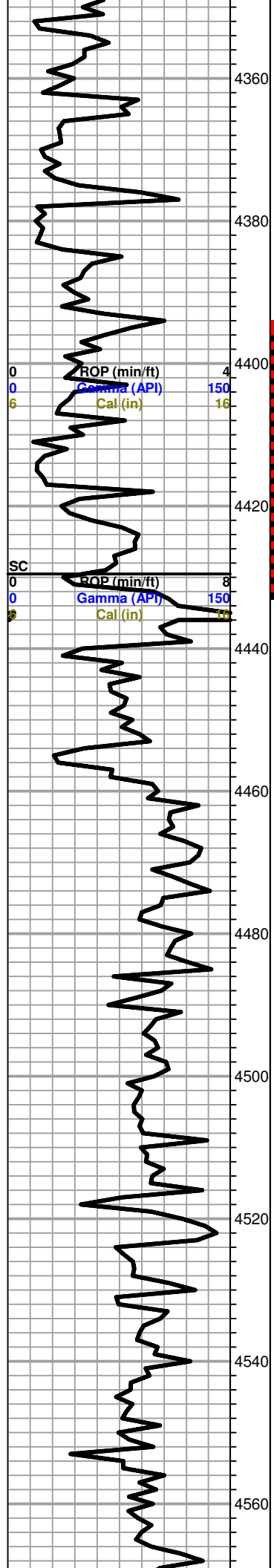
KB 2914

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









trace black carboniferous shale

Limestone; cream-tan, fine xln, chalky, fossiliferous, cherty, poor porosity, no shows, Chert, tan-amber

Limestone; cream-white, fine xln, chalky, slightly oolitic, no shows

Limestone; dark grey-buff, fine xln, chalky, dense, slightly sandy, poor visible porosity, no shows

black carboniferous shale

PAWNEE 4407 (-1493)

Limestone; cream-tan, highly oolitic, fair oolitic porosity "tight", brown stain, spotty SFO when broke, faint odor, few sparry calcite with brown staining, trace gas bubbles

black carboniferous shale

FT. SCOTT 4442 (-1528)

Limestone; tan, foss-oolitic, dense, intercrystalline porosity "tight", brown stain, slight SFO, faint odor

CHEROKEE SHALE 4454 (-1540)

black carboniferous shale

Limestone; cream-lt. grey, chalky, fine xln, fossiliferous, "shaley" in part, Chert; cream-white, no shows, plus white chalk

dark grey shale

black carboniferous shale

Limestone; cream-tan, fine xln, fossiliferous, few nodules, granular in part, no visible porosity, no shows

Limestone; as above, tan-grey, fossiliferous, dense, cherty, plus Chert; amber, boney

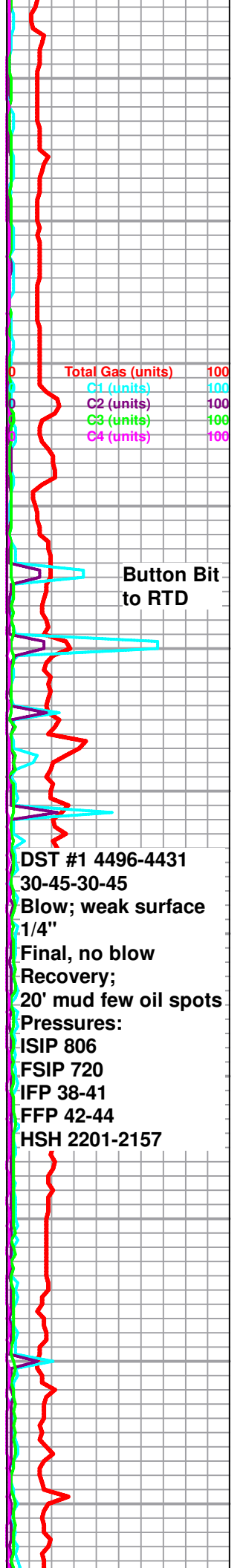
black carboniferous shale

Limestone; tan-cream, fine xln, dense, slightly fossiliferous, dense, cherty, no shows

trace black carboniferous shale

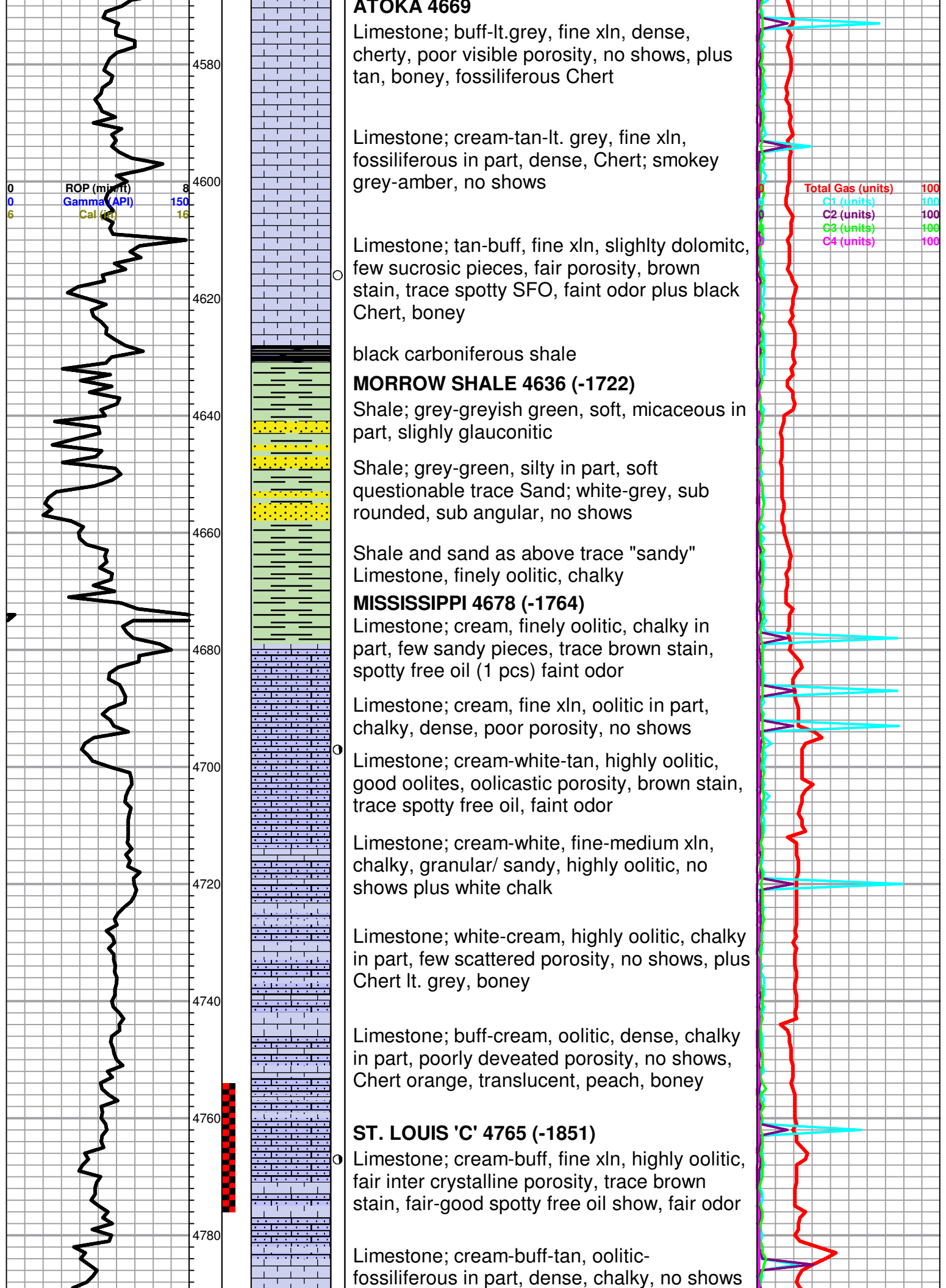
Limestone; tan, "sandy" good intercrystalline porosity, few finely oolitic, brown stain, questionable trace spotty free oil, faint-fair odor when sample broke

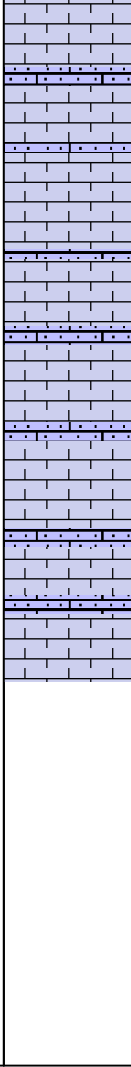
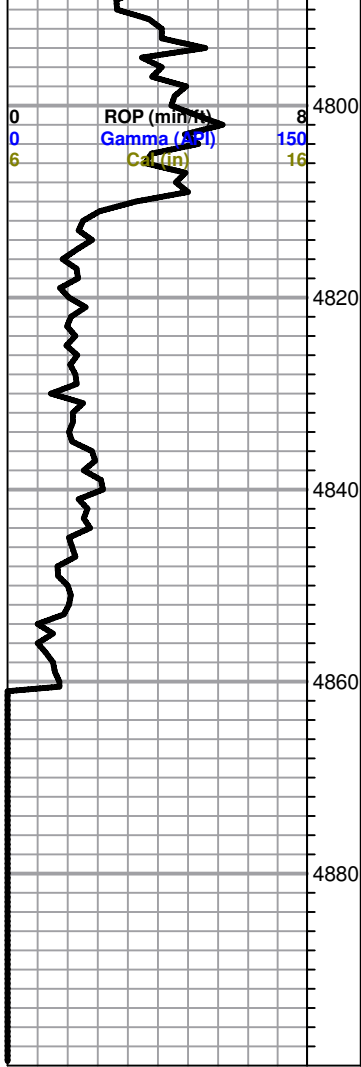
black carboniferous shale



Button Bit to RTD

DST #1 4496-4431
30-45-30-45
Blow; weak surface 1/4"
Final, no blow
Recovery;
20' mud few oil spots
Pressures:
ISIP 806
FSIP 720
IFP 38-41
FFP 42-44
HSH 2201-2157





Limestone; cream-buff-lt. grey, fine-medium xln, slightly oolitic-fossiliferous, poor porosity, no shows, plus white-translucent Chert

Limestone; buff-lt. grey-cream, granular, oolitic in part, poorly developed porosity, no shows, plus smokey grey-translucent-amber, boney Chert

Limestone and Chert; as above

ROTARY TOTAL DEPTH 4860 (-1946)

