Joshua R. Austin
Petroleum Geologist
report for
Lebsack Oil Production, Inc.

COMPANY: Lebsack Oil Production, Inc.

LEASE: Horton #2- 11

FIELD: Tanker

LOCATION: 2302' FSL & 2300' FWL (SW-NE-NE-SW)

SEC: 11 TWSP: 22s RGE: 34w

COUNTY: Finney STATE: Kansas

KB: 2936' GL: 2925'

API # 15-055-22439-00-00

CONTRACTOR: Sterling Drilling Company (rig #5)

Spud: 10/11/2016 Comp: 10/19/2016

RTD: 4900' LTD: 4896'

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" @ 435'

Production Casing: NONE

Electronic Surveys: HALLIBURTON

NOTES

On the basis of the low structural position, drill stem test and after reviewing the electric logs, it was recommended by all parties involved in the Horton 2-11 be plugged and abandoned at the rotary total depth.

Lebsack Oil Production, Inc.
well comparison sheet

DRILLING WELL	COMPARISON WELL	COMPARISON WELL

	Horton 2-11				Parlette 1-11				Horton 1-11			
	2936 KB				2931 KB		Structural Relationship		2939 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Heebner	3825	-889	3819	-883	3807	-876	-13	-7	3824	-885	-4	2
Toronto	3844	-908	3838	-902	3825	-894	-14	-8	3844	-905	-3	3
Lansing	3914	-978	3915	-979	3898	-967	-11	-12	3915	-976	-2	-3
Base KC	4333	-1397	4330	-1394	4317	-1386	-11	-8	4329	-1390	-7	-4
Marmaton	4357	-1421	4347	-1411	4341	-1410	-11	-1	4354	-1415	-6	4
Pawnee	4444	-1508	4442	-1506	4428	-1497	-11	-9	4447	-1508	0	2
Ft. Scott	4475	-1539	4473	-1537	4452	-1521	-18	-16	4475	-1536	-3	-1
Cherokee Sh.	4488	-1552	4481	-1545	4469	-1538	-14	-7	4486	-1547	-5	2
Morrow Shale	4678	-1742	4678	-1742	4662	-1731	-11	-11	4678	-1739	-3	-3
Mississippi	4752	-1816	4757	-1821	4738	-1807	-9	-14	4758	-1819	3	-2
St. louis C	4834	-1898	4830	-1894	4802	-1871	-27	-23	4829	-1890	-8	-4
RTD	4900	-1964			4835	-1904			4900	-1961		
LTD	4896	-1960			4839	-1908						

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Lebsack Oil Production Inc.

P.O.Box 354
Chase Ks 67524

ATTN: Josh Austin

11-22-34 Finney Co KS

Horton 2-11

Job Ticket: 65622 **DST#: 1**

Test Start: 2016.10.15 @ 01:00:15

GENERAL INFORMATION:

Formation: **Ft. Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:12:30
Time Test Ended: 07:06:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Mike Roberts
Unit No: 81

Interval: **4465.00 ft (KB) To 4491.00 ft (KB) (TVD)**
Total Depth: 4491.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

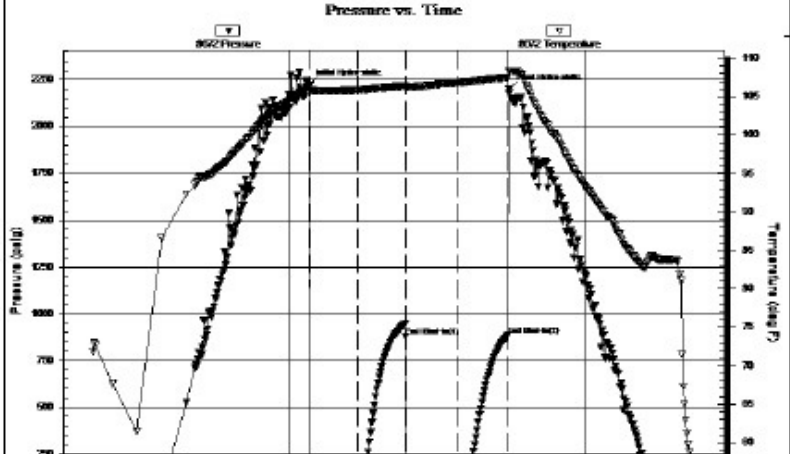
Reference Elevations: 2936.00 ft (KB)
2927.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8672 **Inside**

Press@RunDepth: 54.52 psig @ 4466.00 ft (KB)
Start Date: 2016.10.15 End Date: 2016.10.15
Start Time: 01:00:15 End Time: 07:06:30

Capacity: 8000.00 psig
Last Calib.: 2016.10.16
Time On Btm: 2016.10.15 @ 03:12:15
Time Off Btm: 2016.10.15 @ 05:13:15

TEST COMMENT: IF:Weak surface bloe died in 14 min.
IS:No return blow
FF:No blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2224.87	106.36	Initial Hydro-static
1	51.09	105.62	Open To Flow (1)
30	52.16	105.82	Shut-In(1)
59	877.37	106.37	End Shut-In(1)
59	52.75	106.15	Open To Flow (2)
90	54.52	106.82	Shut-In(2)
120	883.80	107.51	End Shut-In(2)
121	2201.87	108.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mud 100%m	0.30

Gas Rates

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

DRILL STEM TEST REPORT

Lebsack Oil Production Inc.

P.O.Box 354
Chase Ks 67524

ATTN: Josh Austin

11-22-34 Finney Co KS

Horton 2-11

Job Ticket: 65623 **DST#: 2**

Test Start: 2016.10.17 @ 12:43:15

GENERAL INFORMATION:

Formation: **Morrow Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:31:54
Time Test Ended: 19:40:39

Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 81

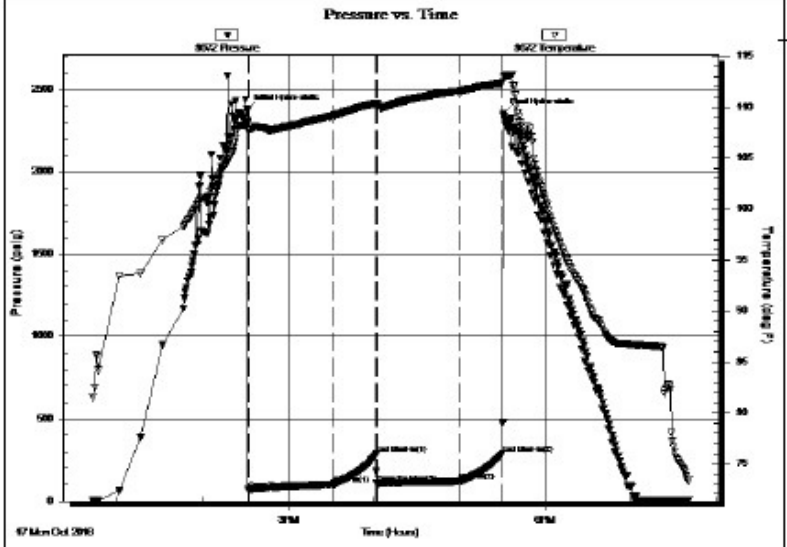
Interval: 4670.00 ft (KB) To 4742.00 ft (KB) (TVD)
Total Depth: 4742.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2936.00 ft (KB)
2927.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8672 **Inside**
Press@RunDepth: 118.34 psig @ 4708.00 ft (KB)
Start Date: 2016.10.17 End Date: 2016.10.17
Start Time: 12:43:15 End Time: 19:40:39

Capacity: 8000.00 psig
Last Calib.: 2016.10.17
Time On Btm: 2016.10.17 @ 14:31:24
Time Off Btm: 2016.10.17 @ 17:30:39

TEST COMMENT: IF:Built to 5" blow
IS:No return blow
FF:Built to 6" blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2374.50	108.35	Initial Hydro-static
1	67.90	107.74	Open To Flow (1)
61	101.54	109.17	Shut-In(1)
90	283.03	110.36	End Shut-In(1)
91	107.17	110.31	Open To Flow (2)
149	118.34	111.56	Shut-In(2)
179	286.50	112.32	End Shut-In(2)
180	2349.08	112.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
138.00	gcom 10%g 40%o 50%m	0.68
69.00	ocm 50%o 50%m	0.34
20.00	ocm 20%o 80%m	0.27

* Recovery from multiple tests

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

11-22-34 Finney Co KS

Horton 2-11

Job Ticket: 65624 **DST#: 3**

Test Start: 2016.10.18 @ 19:50:15

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:45:45
Time Test Ended: 01:19:30

Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 81

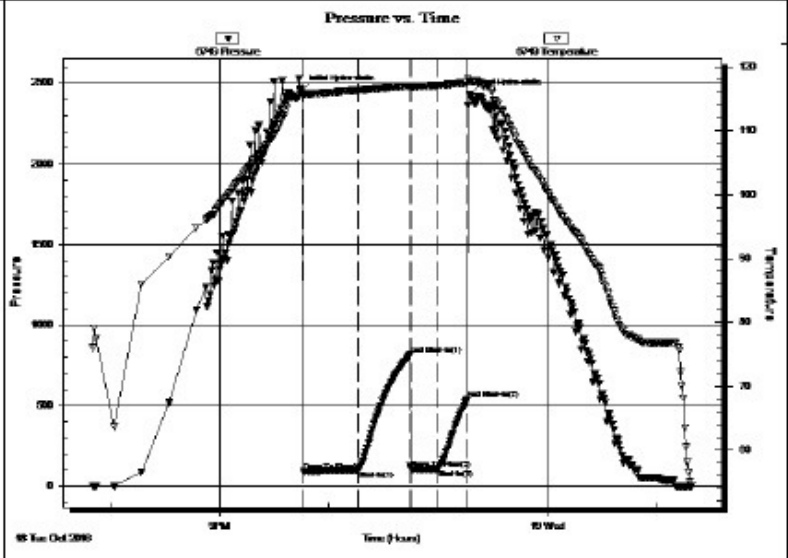
Interval: **4746.00 ft (KB) To 4900.00 ft (KB) (TVD)**
Total Depth: 4900.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2936.00 ft (KB)
2927.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6749 Outside
Press@RunDepth: 109.64 psig @ 4880.00 ft (KB)
Start Date: 2016.10.18 End Date: 2016.10.19
Start Time: 19:50:15 End Time: 01:19:30

Capacity: 8000.00 psig
Last Calib.: 2016.10.19
Time On Btm: 2016.10.18 @ 21:45:15
Time Off Btm: 2016.10.18 @ 23:17:30

TEST COMMENT: IF:Built to 3/4" blow
IS:No return blow
FF:No blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2454.90	116.37	Initial Hydro-static
1	92.99	115.76	Open To Flow (1)
31	102.55	116.33	Shut-In(1)
60	816.06	117.07	End Shut-In(1)
60	105.41	116.88	Open To Flow (2)
75	109.64	117.15	Shut-In(2)
91	538.25	117.51	End Shut-In(2)
93	2431.96	117.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	mud with oil spots 100%m	0.20

Gas Rates

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

* Recovery from multiple tests

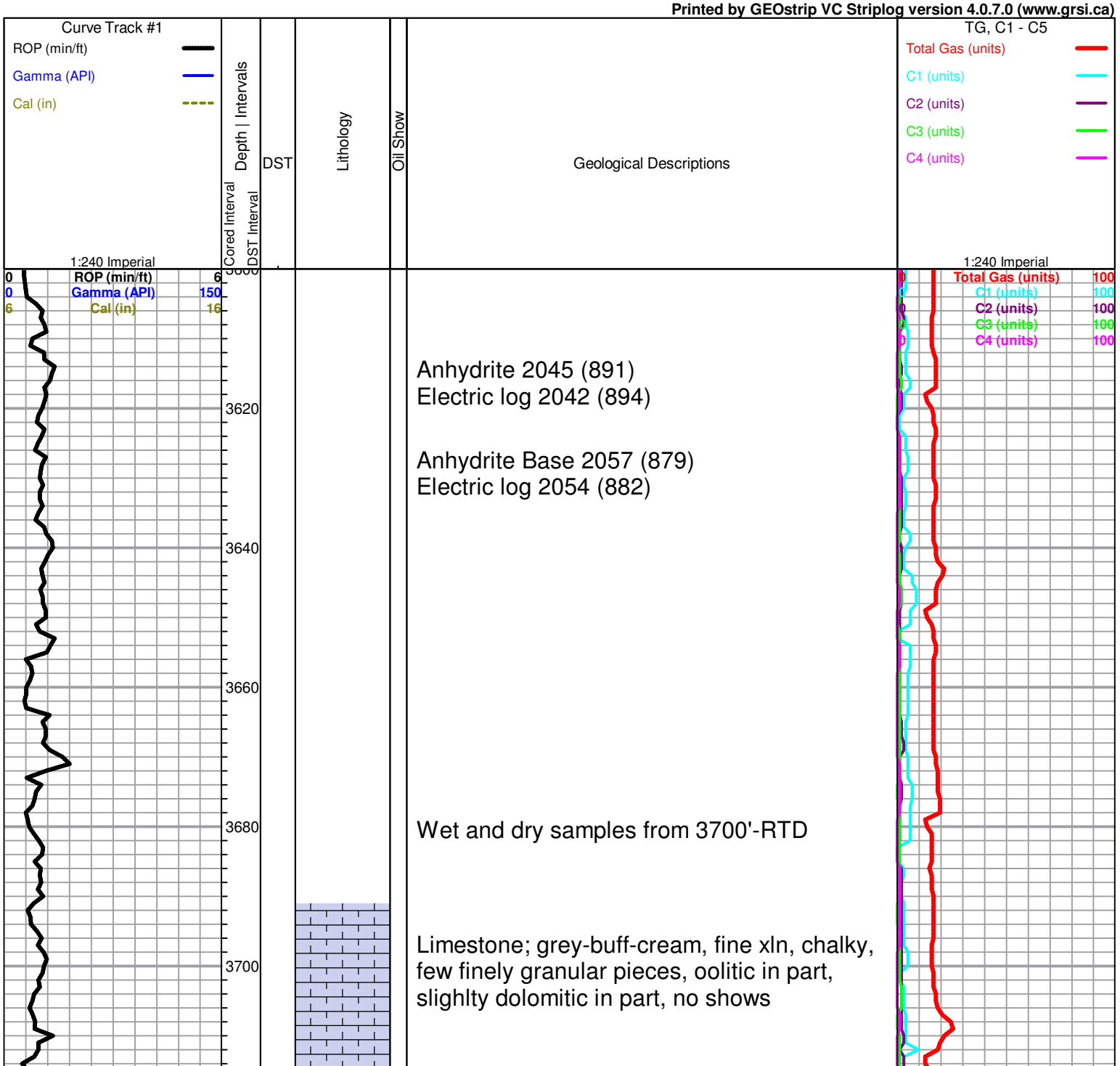
ROCK TYPES

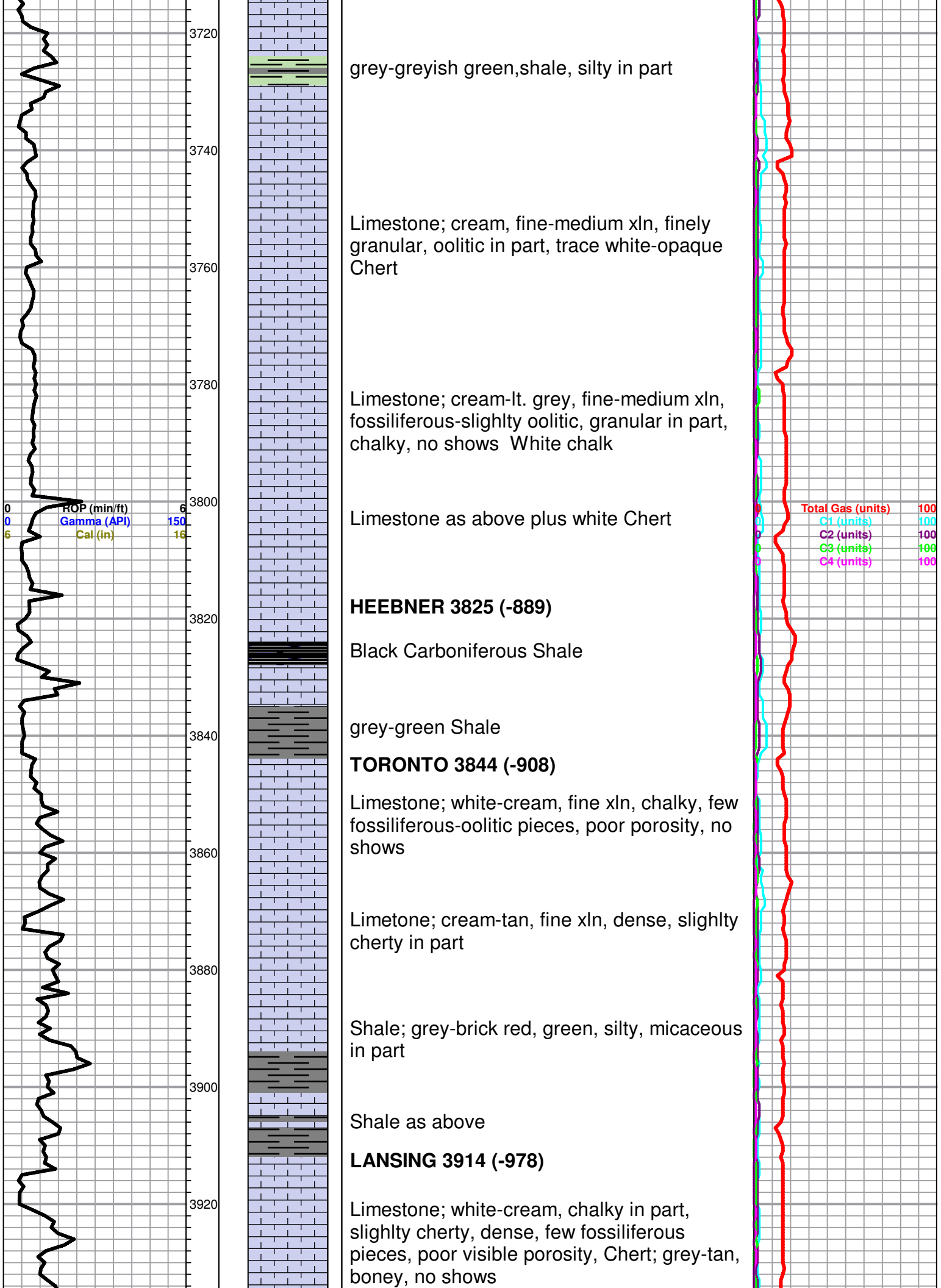
sdy lmst
Lmst fw7>
shale, grn
shale, gry
Carbon Sh
Ss

OTHER SYMBOLS

DST
DST Int
DST alt
Core
tail pipe

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





grey-greyish green,shale, silty in part

Limestone; cream, fine-medium xln, finely granular, oolitic in part, trace white-opaque Chert

Limestone; cream-lt. grey, fine-medium xln, fossiliferous-slighlty oolitic, granular in part, chalky, no shows White chalk

Limestone as above plus white Chert

HEEBNER 3825 (-889)

Black Carboniferous Shale

grey-green Shale

TORONTO 3844 (-908)

Limestone; white-cream, fine xln, chalky, few fossiliferous-oolitic pieces, poor porosity, no shows

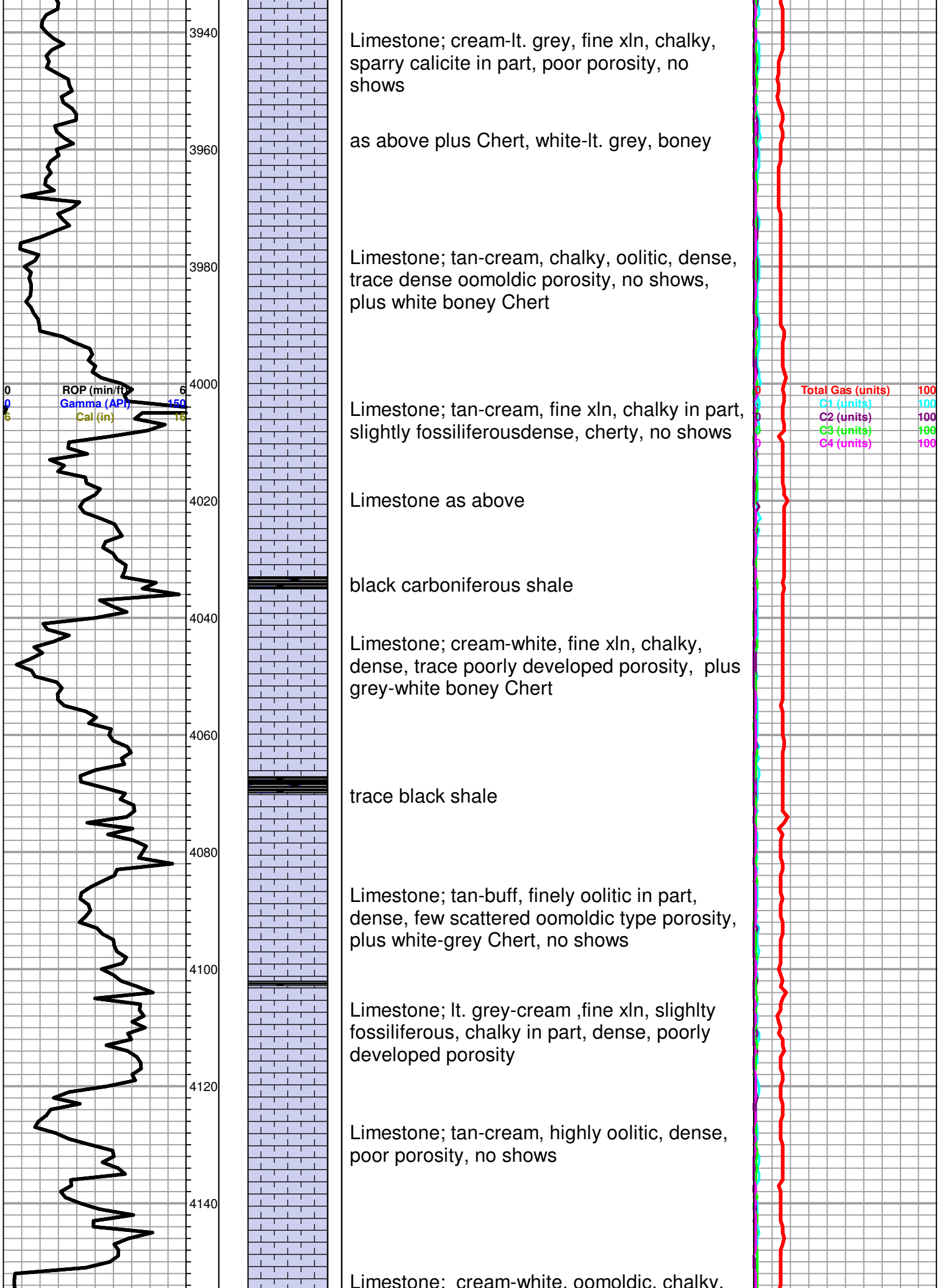
Limetone; cream-tan, fine xln, dense, slighlty cherty in part

Shale; grey-brick red, green, silty, micaceous in part

Shale as above

LANSING 3914 (-978)

Limestone; white-cream, chalky in part, slighlty cherty, dense, few fossiliferous pieces, poor visible porosity, Chert; grey-tan, boney, no shows



Limestone; cream-lt. grey, fine xln, chalky, sparry calicite in part, poor porosity, no shows

as above plus Chert, white-lt. grey, boney

Limestone; tan-cream, chalky, oolitic, dense, trace dense oomoldic porosity, no shows, plus white boney Chert

Limestone; tan-cream, fine xln, chalky in part, slightly fossiliferousdense, cherty, no shows

Limestone as above

black carboniferous shale

Limestone; cream-white, fine xln, chalky, dense, trace poorly developed porosity, plus grey-white boney Chert

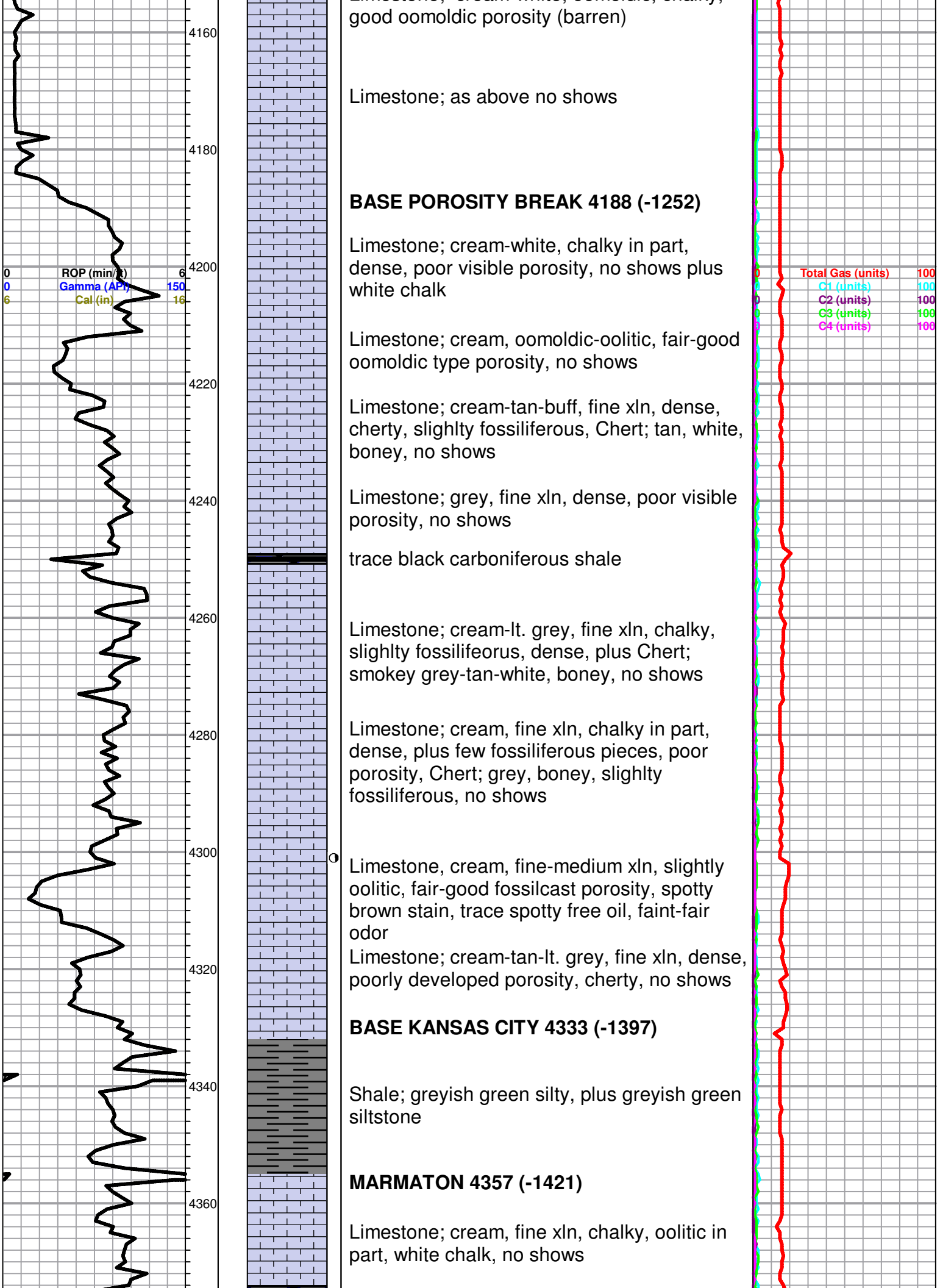
trace black shale

Limestone; tan-buff, finely oolitic in part, dense, few scattered oomoldic type porosity, plus white-grey Chert, no shows

Limestone; lt. grey-cream ,fine xln, slighlty fossiliferous, chalky in part, dense, poorly developed porosity

Limestone; tan-cream, highly oolitic, dense, poor porosity, no shows

Limestone; cream-white, oomoldic, chalky,



good oomoldic porosity (barren)

Limestone; as above no shows

BASE POROSITY BREAK 4188 (-1252)

Limestone; cream-white, chalky in part, dense, poor visible porosity, no shows plus white chalk

Limestone; cream, oomoldic-oolitic, fair-good oomoldic type porosity, no shows

Limestone; cream-tan-buff, fine xln, dense, cherty, slighlty fossiliferous, Chert; tan, white, boney, no shows

Limestone; grey, fine xln, dense, poor visible porosity, no shows

trace black carboniferous shale

Limestone; cream-lt. grey, fine xln, chalky, slighlty fossilifeorus, dense, plus Chert; smokey grey-tan-white, boney, no shows

Limestone; cream, fine xln, chalky in part, dense, plus few fossiliferous pieces, poor porosity, Chert; grey, boney, slighlty fossiliferous, no shows

Limestone, cream, fine-medium xln, slightly oolitic, fair-good fossilcast porosity, spotty brown stain, trace spotty free oil, faint-fair odor

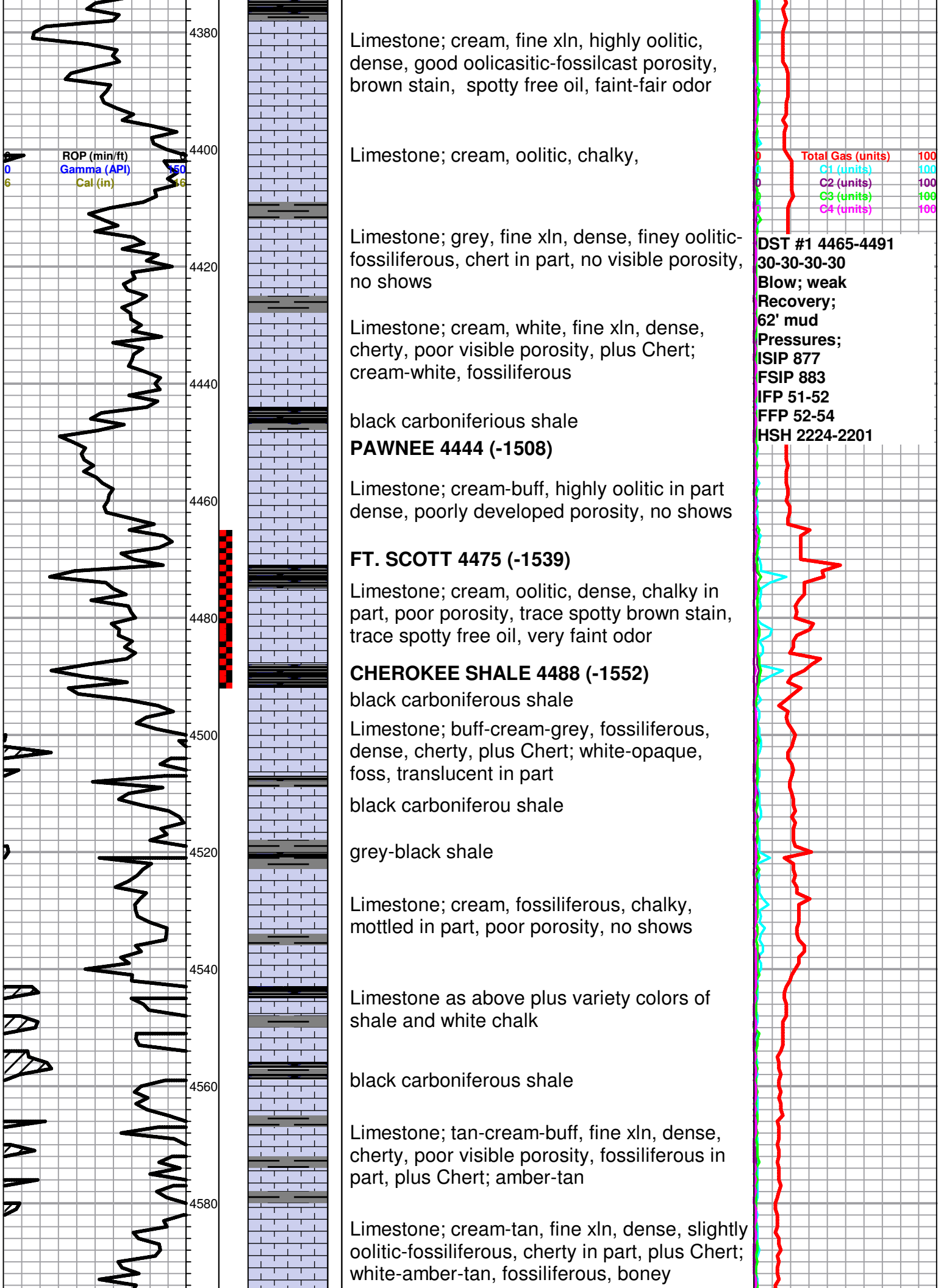
Limestone; cream-tan-lt. grey, fine xln, dense, poorly developed porosity, cherty, no shows

BASE KANSAS CITY 4333 (-1397)

Shale; greyish green silty, plus greyish green siltstone

MARMATON 4357 (-1421)

Limestone; cream, fine xln, chalky, oolitic in part, white chalk, no shows



Limestone; cream, fine xln, highly oolitic, dense, good oolicasitic-fossilcast porosity, brown stain, spotty free oil, faint-fair odor

Limestone; cream, oolitic, chalky,

Limestone; grey, fine xln, dense, finey oolitic-fossiliferous, chert in part, no visible porosity, no shows

Limestone; cream, white, fine xln, dense, cherty, poor visible porosity, plus Chert; cream-white, fossiliferous

black carboniferious shale

PAWNEE 4444 (-1508)

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

FT. SCOTT 4475 (-1539)

Limestone; cream, oolitic, dense, chalky in part, poor porosity, trace spotty brown stain, trace spotty free oil, very faint odor

CHEROKEE SHALE 4488 (-1552)

black carboniferous shale

Limestone; buff-cream-grey, fossiliferous, dense, cherty, plus Chert; white-opaque, foss, translucent in part

black carboniferou shale

grey-black shale

Limestone; cream, fossiliferous, chalky, mottled in part, poor porosity, no shows

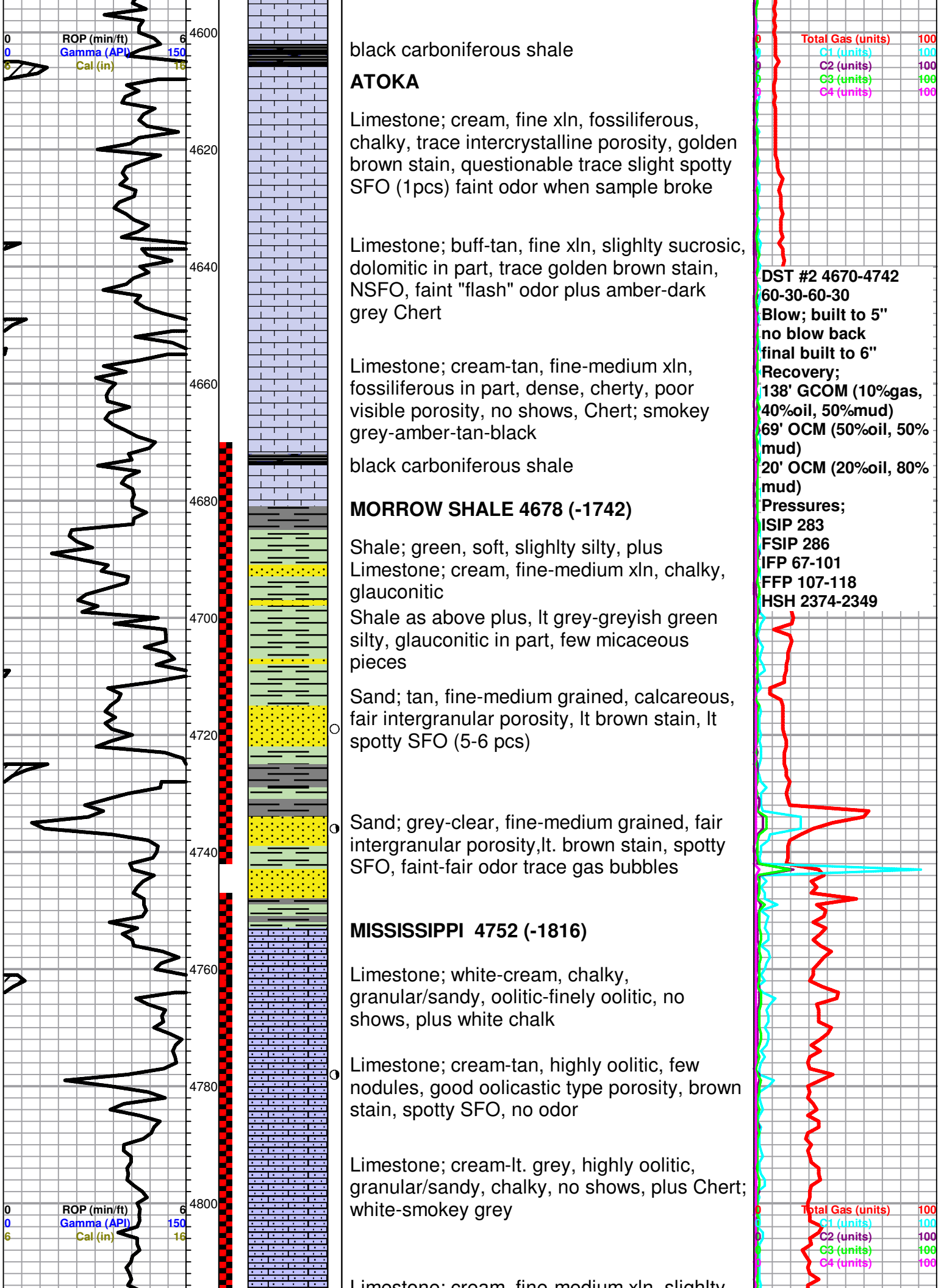
Limestone as above plus variety colors of shale and white chalk

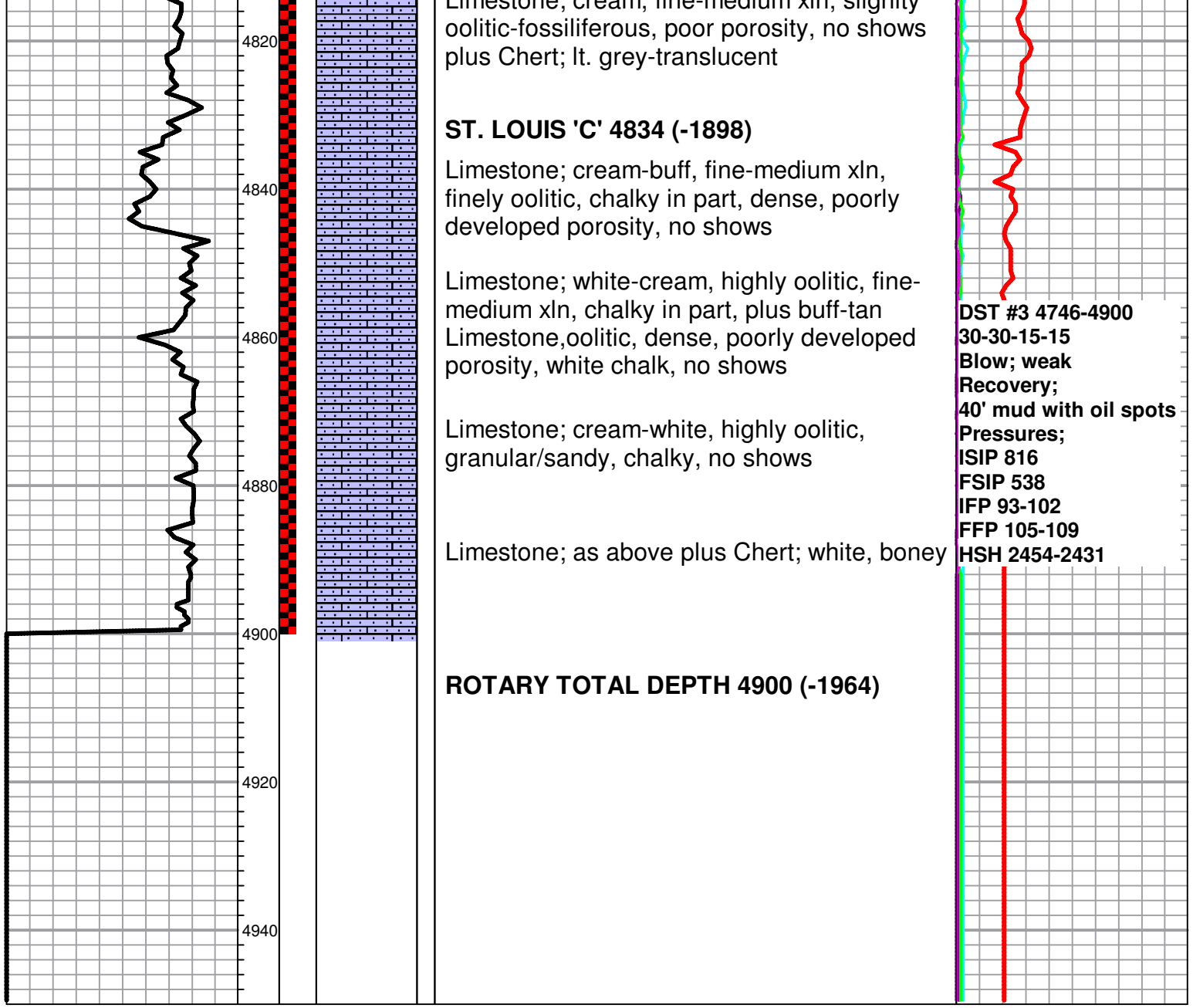
black carboniferous shale

Limestone; tan-cream-buff, fine xln, dense, cherty, poor visible porosity, fossiliferous in part, plus Chert; amber-tan

Limestone; cream-tan, fine xln, dense, slightly oolitic-fossiliferous, cherty in part, plus Chert; white-amber-tan, fossiliferous, boney

DST #1 4465-4491
30-30-30-30
Blow; weak
Recovery;
62' mud
Pressures;
ISIP 877
FSIP 883
IFP 51-52
FFP 52-54
HSH 2224-2201


0 ROP (min/ft) 6
0 Gamma (API) 150
6 Cal (in) 16
4600
4620
4640
4660
4680
4700
4720
4740
4760
4780
4800
0 Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100
black carboniferous shale
ATOKA
Limestone; cream, fine xln, fossiliferous, chalky, trace intercrystalline porosity, golden brown stain, questionable trace slight spotty SFO (1pcs) faint odor when sample broke
Limestone; buff-tan, fine xln, slighlty sucrosic, dolomitic in part, trace golden brown stain, NSFO, faint "flash" odor plus amber-dark grey Chert
Limestone; cream-tan, fine-medium xln, fossiliferous in part, dense, cherty, poor visible porosity, no shows, Chert; smokey grey-amber-tan-black
black carboniferous shale
MORROW SHALE 4678 (-1742)
Shale; green, soft, slighlty silty, plus Limestone; cream, fine-medium xln, chalky, glauconitic
Shale as above plus, lt grey-greyish green silty, glauconitic in part, few micaceous pieces
Sand; tan, fine-medium grained, calcareous, fair intergranular porosity, lt brown stain, lt spotty SFO (5-6 pcs)
Sand; grey-clear, fine-medium grained, fair intergranular porosity,lt. brown stain, spotty SFO, faint-fair odor trace gas bubbles
MISSISSIPPI 4752 (-1816)
Limestone; white-cream, chalky, granular/sandy, oolitic-finely oolitic, no shows, plus white chalk
Limestone; cream-tan, highly oolitic, few nodules, good oolicastic type porosity, brown stain, spotty SFO, no odor
Limestone; cream-lt. grey, highly oolitic, granular/sandy, chalky, no shows, plus Chert; white-smokey grey
DST #2 4670-4742
60-30-60-30
Blow; built to 5"
no blow back
final built to 6"
Recovery;
138' GCOM (10%gas, 40%oil, 50%mud)
69' OCM (50%oil, 50% mud)
20' OCM (20%oil, 80% mud)
Pressures;
ISIP 283
FSIP 286
IFP 67-101
FFP 107-118
HSH 2374-2349



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

ST. LOUIS 'C' 4834 (-1898)

Limestone; cream-buff, fine-medium xln, finely oolitic, chalky in part, dense, poorly developed porosity, no shows

Limestone; white-cream, highly oolitic, fine-medium xln, chalky in part, plus buff-tan Limestone,oolitic, dense, poorly developed porosity, white chalk, no shows

Limestone; cream-white, highly oolitic, granular/sandy, chalky, no shows

Limestone; as above plus Chert; white, boney

ROTARY TOTAL DEPTH 4900 (-1964)

DST #3 4746-4900
30-30-15-15
Blow; weak
Recovery;
40' mud with oil spots
Pressures;
ISIP 816
FSIP 538
IFP 93-102
FFP 105-109
HSH 2454-2431