OPERATOR

Company:	Falcon Exploration, Inc.		
Address:	125 N. Market Suite 1252 Wichita, KS 67202		
Contact Geologist:	Brian Fisher		
Contact Phone Nbr:	316-262-1378		
Well Name:	M. D. Isaac # 1-34		
Location:	Sec 34 - T27S - R30W	API:	15-069-20334-0000
Pool:		Field:	Wildcat
State:	Kansas	Country:	USA

Scale 1:240 Imperial

Well Name:	M. D. Isaac # 1-34		
Surface Location:	Sec 34 - T27S - R30W		
Bottom Location:			
API:	15-069-20334-0000		
License Number:			
Spud Date:	1/4/2011	Time:	00:00
Region:	Gray County		
Drilling Completed:	1/16/2011	Time:	04:00
Surface Coordinates:	2140' FNL & 1620' FWL		
Bottom Hole Coordinates:			
Ground Elevation:	2799.00ft		
K.B. Elevation:	2809.00ft		
Logged Interval:	2600.00ft	To:	5458.00ft
Total Depth:	0.00ft		
Formation:	Mississippian		
Drilling Fluid Type:			

LOGGED BY

Keith Reavis
Consulting Geologist

Company:	KLG #136		
Address:	3420 22nd Street Great Bend, KS 67530		
Phone Nbr:	620-617-4091		
Logged By:	Geologist	Name:	Keith Reavis

CONTRACTOR

Contractor:	Val Energy, Inc.		
Rig #:	1		
Rig Type:	mud rotary		
Spud Date:	1/4/2011	Time:	00:00
TD Date:	1/16/2011	Time:	04:00
Rig Release:		Time:	

ELEVATIONS

K.B. Elevation:	2809.00ft	Ground Elevation:	2799.00ft
K.B. to Ground:	10.00ft		

NOTES

After review of drill stem tests and analysis of electric logs, it was recommended and determined by all parties that the M.D. Isaac #1-34 be plugged and abandoned as a dry hole.

The well samples were saved and will be available for review at the Kansas Geological Survey Well Sample Library located in Wichita, KS.

Respectfully submitted,
Keith Reavis

Falcon Exploration, Inc

Falcon Exploration, Inc.
Daily Drilling Report

DATE	7:00 AM DEPTH	REMARKS
1/7/2011		Geologist Keith Reavis on location @ 2130 hrs, 2595 ft., drilling salt section set up and check Bloodhound and communications
1/8/2011	2787	drilling ahead, Chase Group, lost draw-works motor #1 to electrical fire drill ahead thru Winfield, gas kicks in all zones, no testing warranted drilling Towanda, Ft. Riley, Cottonwood, Neva, Red Eagle
1/9/2011	3502	drill ahead thru Foraker, Root Shale, Stotler, gas kick in Stotler, short trip, ctch, trip out, conducting DST #1, successful test, TOH with tools
1/10/2011	3607	TIH with bit, ctch, resume drilling, Tarkio, Bern, Topeka, Lecompton
1/11/2011	4188	drilling Lecompton, Heebner, Toronto, Douglas, Lansing
1/12/2011	4587	drilling ahead, lower LKC, Stark, Marmaton
1/13/2011	4906	drilling ahead, Pawnee, Cherokee
1/14/2011	5183	drilling ahead, Morrow, Mississippian, cut St. Louis, TOH for DST #2
1/15/2011	5327	TIH with tools, conducting DST #2, successful test, TOH tools, in w/bit resume drilling
1/16/2011	5458	TD, ctch, TOH for logs, conduct and complete logging operations, geologist off location @ 1630 hrs

Falcon Exploration, Inc.
Well Comparison Sheet

	DRILLING WELL M.D. Isaac #1-34 2140' FNL & 1620' FWL Sec. 34 T27S R30W				COMPARISON WELL Falcon – Nuss #1-4 330' FNL & 2070' FWL Sec. 4 T28S R30W				COMPARISON WELL Falcon - #1 Nichols C SE SW Sec. 3 T28S R30W			
	2809 KB				2819 KB		Structural Relationship		2812 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Chase	2670	139	2670	139	2673	146	-7	-7	2667	145	-6	-6
Winfield	2743	66	2744	65	2746	73	-7	-8	2737	75	-9	-10
Towanda	2791	18	2790	19	2794	25	-7	-6	2784	28	-10	-9
Ft. Riley	2842	-33	2840	-31	2846	-27	-6	-4	2833	-21	-12	-10
Neva	3164	-355	3170	-361	3173	-354	-1	-7	3160	-348	-7	-13
Foraker	3284	-475	3278	-469	3283	-464	-11	-5	3270	-458	-17	-11
Stotler	3518	-709	3519	-710	3530	-711	2	1	3513	-701	-8	-9
Topeka	3792	-983	3792	-983	3801	-982	-1	-1	3784	-972	-11	-11
Lecompton	3951	-1142	3952	-1143	3963	-1144	2	1	3942	-1130	-12	-13
Heebner	4128	-1319	4128	-1319	4133	-1314	-5	-5	4128	-1316	-3	-3
Lansing	4228	-1419	4228	-1419	4240	-1421	2	2	4226	-1414	-5	-5
Stark	4554	-1745	4556	-1747	4581	-1762	17	15	4572	-1760	15	13
Marmaton	4700	-1891	4705	-1896	4720	-1901	10	5	4724	-1912	21	16
Pawnee	4794	-1985	4794	-1985	4814	-1995	10	10	4807	-1995	10	10

Pawnee	4794	-1985	4794	-1985	4814	-1995	10	10	4807	-1995	10	10
Cherokee	4838	-2029	4835	-2026	4859	-2040	11	14	4855	-2043	14	17
Morrow	5020	-2211	5040	-2231	5039	-2220	9	-11	5053	-2241	30	10
Miss St. Gen.	not picked		5099	-2290	5155	-2336		46	5141	-2329		39
St. Louis A por	5264	-2455	5265	-2456	5262	-2443	-12	-13	5242	-2430	-25	-26
Total Depth	5458	-2649	5461	-2652	5406	-2587	-62	-65	5418	-2606	-43	-46

Drill Stem Test #1

DRILL STEM TEST REPORT

EAGLE TESTERS Great Bend, KS

FALCON EXPLORATION

125 N MARKET STE 1252
WICHITA KS 67202

ATTN: KEITH REAVIS

M.D. ISAAC 1-34

34-27S-30W GRAY

Job Ticket: 1062 **DST#: 1**

Test Start: 2011.01.09 @ 20:00:00

GENERAL INFORMATION:

Formation: **STOTLER**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:18:30
Time Test Ended: 04:44:30

Test Type: Conventional Bottom Hole (Initial)
Tester: DAVID NICHOLS
Unit No: 15 270 M RT ELLINWOO

Interval: 3494.00 ft (KB) To 3554.00 ft (KB) (TVD)
Total Depth: 3554.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

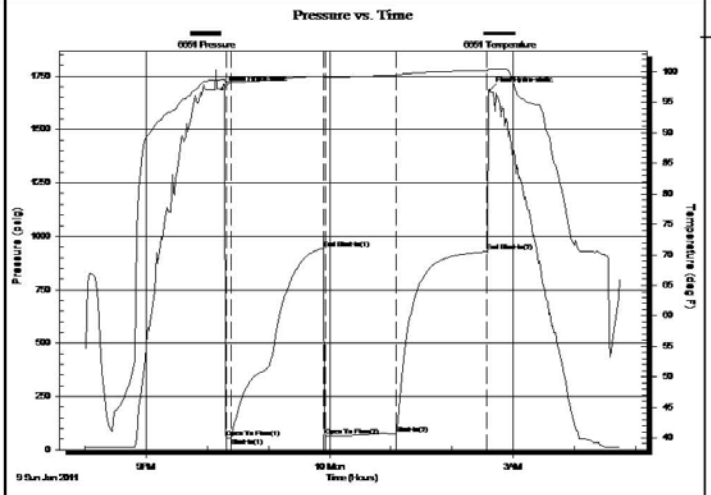
Reference Elevations: 2809.00 ft (KB)
2799.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6651 **Inside**

Press@RunDepth: 73.42 psig @ 3550.00 ft (KB)
Start Date: 2011.01.09 End Date: 2011.01.10
Start Time: 20:01:00 End Time: 04:44:30

Capacity: 5000.00 psig
Last Calib.: 2010.12.25
Time On Btm: 2011.01.09 @ 22:14:30
Time Off Btm: 2011.01.10 @ 02:37:00

TEST COMMENT: 5-INITIAL OPENING GOOD BLOW BOTTOM BUCKET IN 2 MINS
90-INITIAL SHUT IN GOOD BLOW BACK BOTTOM BUCKET IN 10 MINS
70-FINAL OPENING GOOD BLOW BOTTOM BUCKET IN 30 SEC GAS TO SURFACE IN 60 MINS
90-FINAL SHUT IN GOOD BLOW BACK BOTTOM BUCKET IN 10 MINS



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1688.52	98.72	Initial Hydro-static
4	55.19	98.30	Open To Flow (1)
9	55.46	98.24	Shut-In(1)
99	942.76	99.31	End Shut-In(1)
101	64.76	99.05	Open To Flow (2)
171	73.42	99.48	Shut-In(2)
260	927.79	100.24	End Shut-In(2)
263	1681.50	100.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3400.00	GAS IN PIPE 100%GAS	49.72
50.00	MUD 100%MUD	0.73

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	3.00	5.28

Drill Stem Test #2

DRILL STEM TEST REPORT

FALCON EXPLORATION

125 N MARKET STE 1252
WICHITA KS 67202

ATTN: KEITH REAVIS

M.D. ISAAC 1-34

34-27S-30W GRAY

Job Ticket: 1063 **DST#: 2**

Test Start: 2011.01.15 @ 13:00:00

GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:46:00
Time Test Ended: 21:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: DAVID NICHOLS
Unit No: 15

Interval: 5247.00 ft (KB) To 5327.00 ft (KB) (TVD)
Total Depth: 5327.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

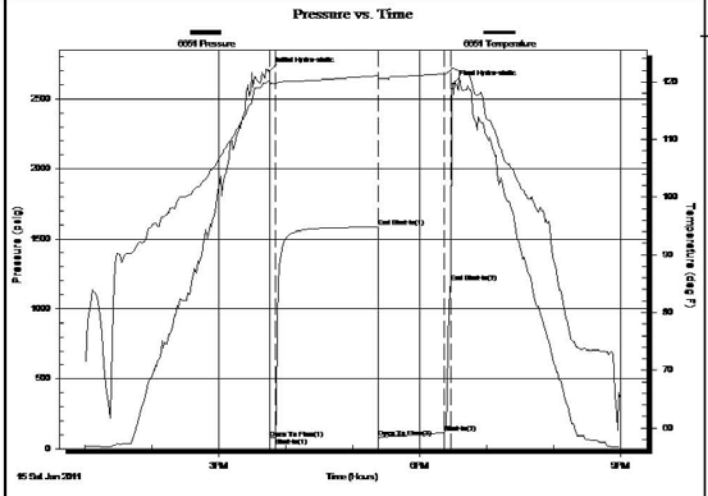
Reference Elevations: 2809.00 ft (KB)
2799.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6651 **Inside**

Press@RunDepth: 114.01 psig @ 5323.00 ft (KB)
Start Date: 2011.01.15 End Date: 2011.01.15
Start Time: 13:00:00 End Time: 21:00:00

Capacity: 5000.00 psig
Last Calib.: 2011.01.15
Time On Btm: 2011.01.15 @ 15:45:30
Time Off Btm: 2011.01.15 @ 18:30:00

TEST COMMENT: 5-INITIAL OPENING SURFACE BLOW
90-INITIAL SHUT IN NO BLOW BACK
60-FINAL OPENING NO BLOW FLUSHED TOOL AFTER 10 MINS SURFACE BLOW
5-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2696.31	120.12	Initial Hydro-static
1	75.50	119.24	Open To Flow (1)
6	78.44	119.66	Shut-In(1)
97	1582.37	121.09	End Shut-In(1)
98	80.90	120.57	Open To Flow (2)
157	114.01	121.45	Shut-In(2)
163	1189.46	121.89	End Shut-In(2)
165	2604.93	122.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	MUD WITH A SPOT OF OIL 100%MUD	1.17

Gas Rates

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

DRILLING FLUID SUMMARY

Type	Date	From Depth	To Depth
	12/5/2007	0.00ft	0.00ft

OPEN HOLE LOGS

Logging Company:
Logging Engineer:
Truck #:
Logging Date: Time Spent:
Logs Run: 0 # Logs Run Successful: 0

LOGS RUN

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
	0.00ft	0.00ft	0.00		0

LOGGING OPERATION SUMMARY

Date	From	To	Description Of Operation
12/5/2007	0.00ft	0.00ft	

ROCK TYPES

ACCESSORIES

MINERAL
- Argillaceous/Shale
- Argillaceous
- Calcareous
- Chert White
- Chert, dark
- Glauconite
- Sandy
- Silty

FOSSIL
- Bioclastic or Fragmental
- F Fossils < 20%
- Oolite
- Oomoldic
- Pellets
- Gastropods

STRINGER
- Dolomite
- Limestone
- Sandstone
- Shale
- green shale

TEXTURE
- C Chalky
- CX Cryptocrystalline
- L Lithogr

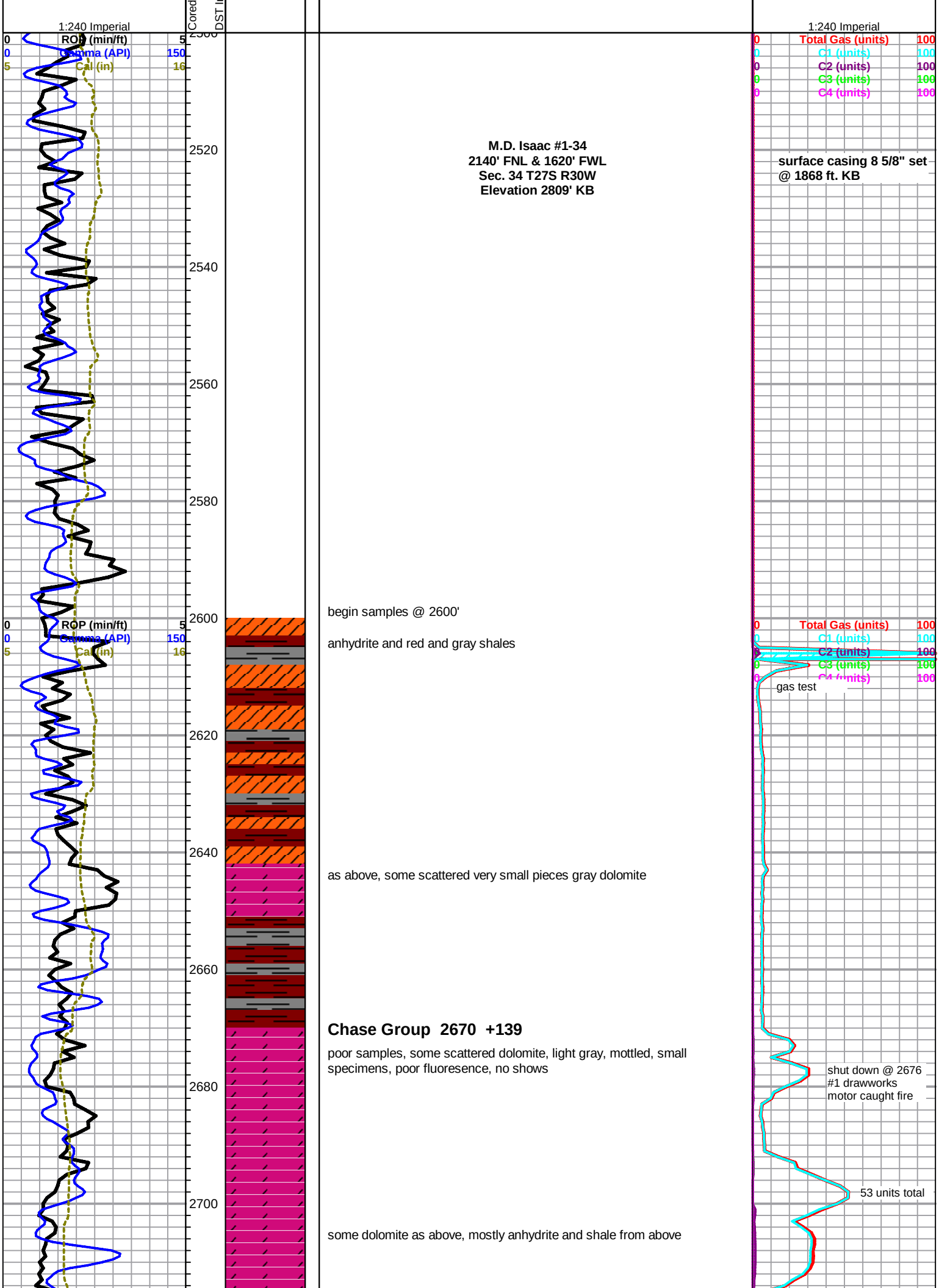
OTHER SYMBOLS

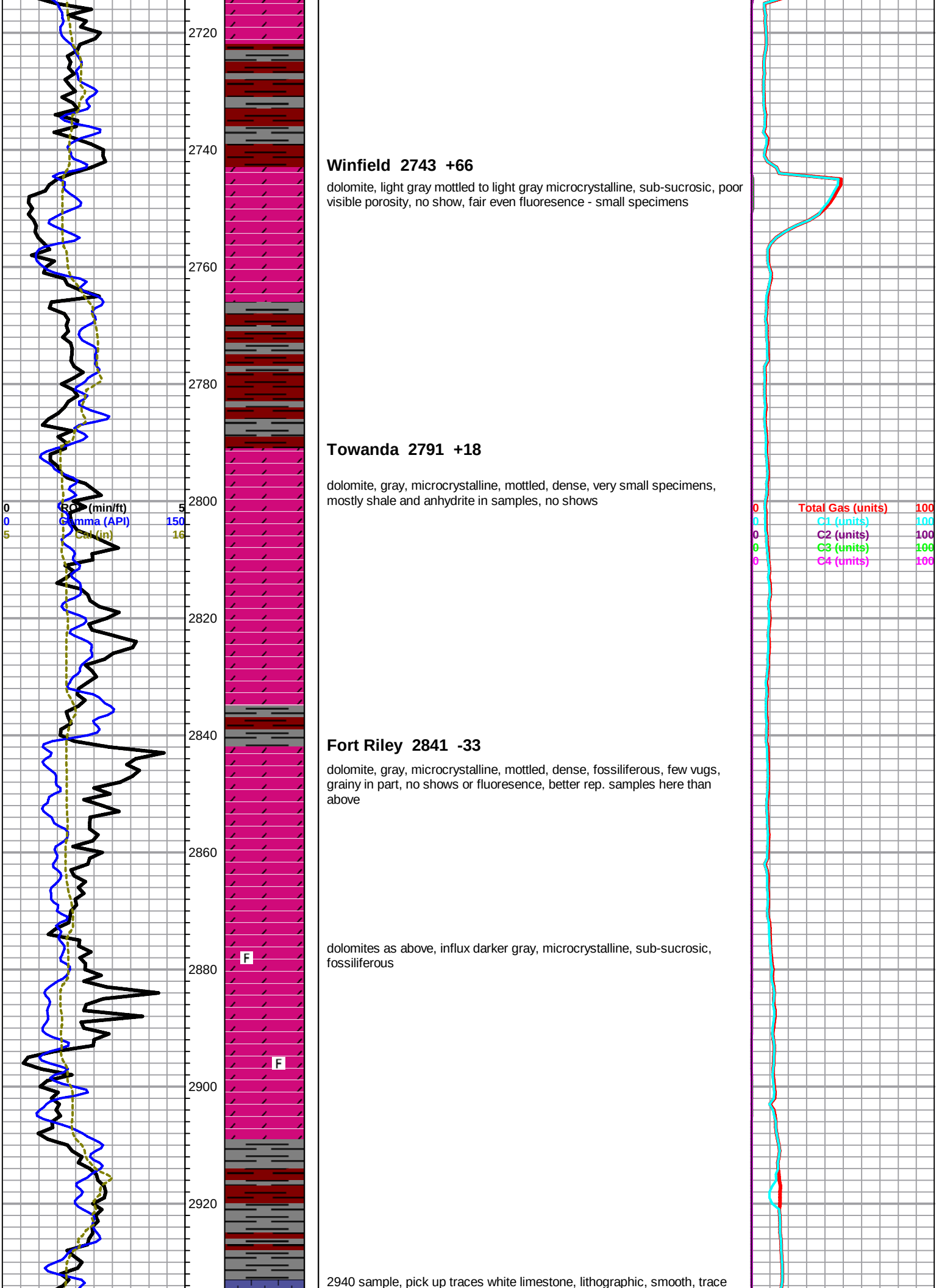
EVENTS
- Casing Shoe
- RTF
- Sidewall
- Left Casing Shoe
- Right Casing Shoe

INTERVALS
- Core
- DST

MISC
- Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt

Curve Track #1	Depth | Intervals	Lithology	Oil Show	Geological Descriptions	TG, C1 - C5
ROP (min/ft) Gamma (API) Cal (in)	Interval Interval				Total Gas (units) C1 (units) C2 (units) C3 (units) C4 (units)


1:240 Imperial
Cored
DST
0 ROP (min/ft) 5
0 Gamma (API) 150
5 Cal (in) 16
2500
2520
2540
2560
2580
2600
2620
2640
2660
2680
2700
M.D. Isaac #1-34
2140' FNL & 1620' FWL
Sec. 34 T27S R30W
Elevation 2809' KB
1:240 Imperial
0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
surface casing 8 5/8" set
@ 1868 ft. KB
begin samples @ 2600'
anhydrite and red and gray shales
gas test
as above, some scattered very small pieces gray dolomite
Chase Group 2670 +139
poor samples, some scattered dolomite, light gray, mottled, small specimens, poor fluoresence, no shows
shut down @ 2676
#1 drawworks
motor caught fire
53 units total
some dolomite as above, mostly anhydrite and shale from above



Winfield 2743 +66

dolomite, light gray mottled to light gray microcrystalline, sub-sucrosic, poor visible porosity, no show, fair even fluoresence - small specimens

Towanda 2791 +18

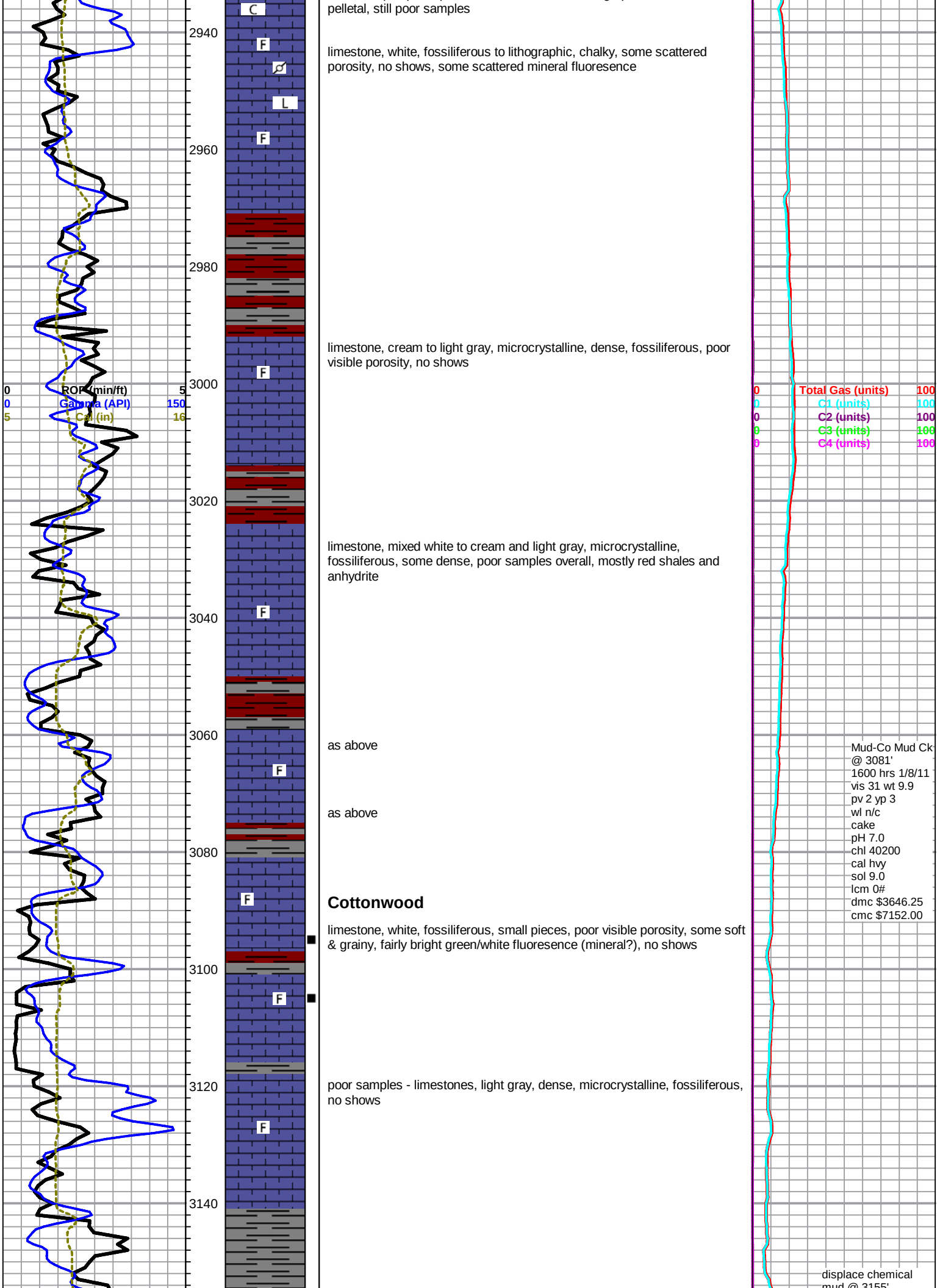
dolomite, gray, microcrystalline, mottled, dense, very small specimens, mostly shale and anhydrite in samples, no shows

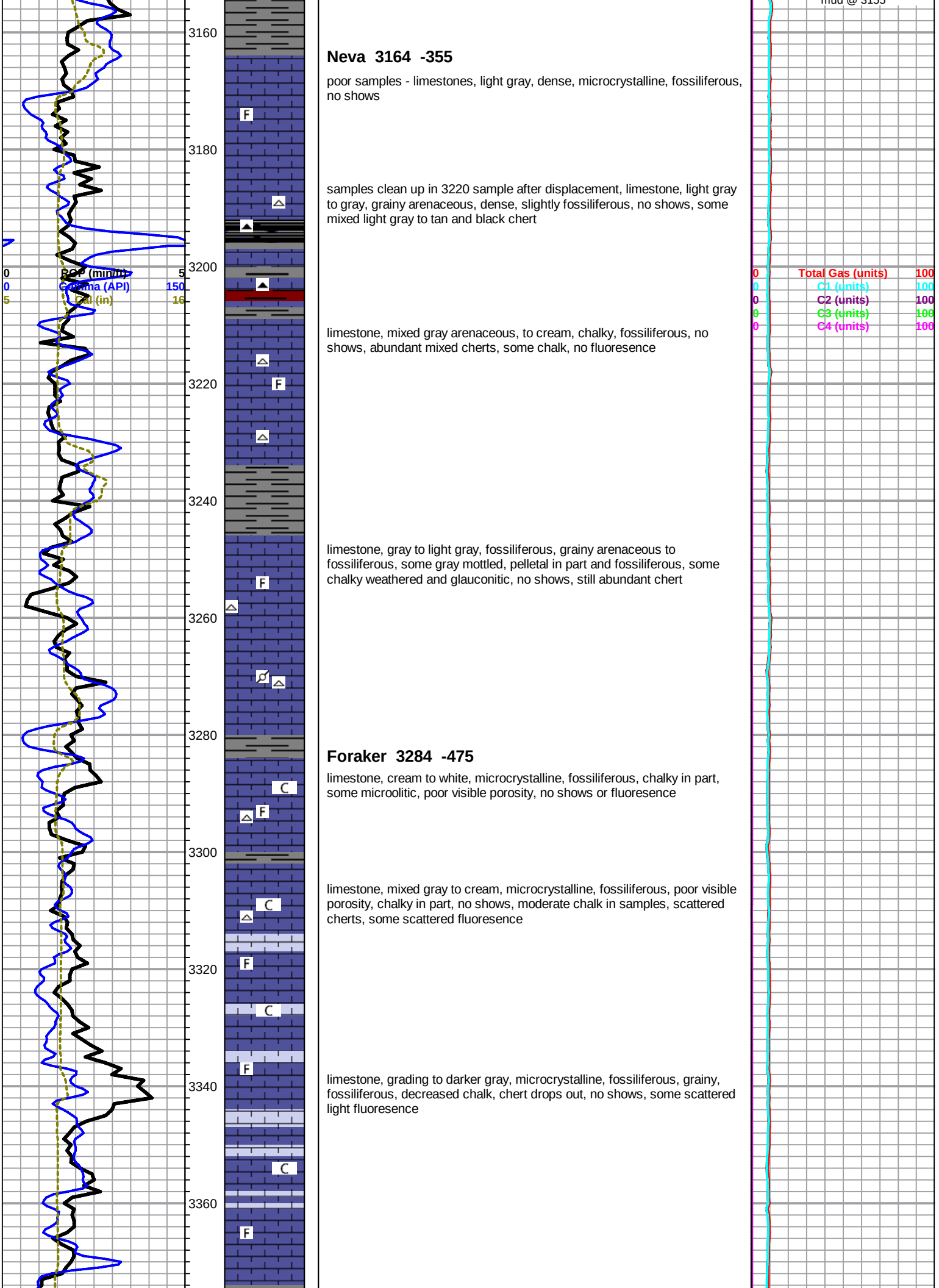
Fort Riley 2841 -33

dolomite, gray, microcrystalline, mottled, dense, fossiliferous, few vugs, grainy in part, no shows or fluoresence, better rep. samples here than above

dolomites as above, influx darker gray, microcrystalline, sub-sucrosic, fossiliferous

2940 sample, pick up traces white limestone, lithographic, smooth, trace


0 ROP (min/ft) 5
0 Gamma (API) 150
5 Cal (in) 16
0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
2940
2960
2980
3000
3020
3040
3060
3080
3100
3120
3140
C
F
L
pelletal, still poor samples
limestone, white, fossiliferous to lithographic, chalky, some scattered porosity, no shows, some scattered mineral fluoresence
limestone, cream to light gray, microcrystalline, dense, fossiliferous, poor visible porosity, no shows
limestone, mixed white to cream and light gray, microcrystalline, fossiliferous, some dense, poor samples overall, mostly red shales and anhydrite
as above
as above
Cottonwood
limestone, white, fossiliferous, small pieces, poor visible porosity, some soft & grainy, fairly bright green/white fluoresence (mineral?), no shows
poor samples - limestones, light gray, dense, microcrystalline, fossiliferous, no shows
Mud-Co Mud Ck
@ 3081'
1600 hrs 1/8/11
vis 31 wt 9.9
pv 2 yp 3
wl n/c
cake
pH 7.0
chl 40200
cal hvy
sol 9.0
lcm 0#
dmc $3646.25
cmc $7152.00
displace chemical



Neva 3164 -355

poor samples - limestones, light gray, dense, microcrystalline, fossiliferous, no shows

samples clean up in 3220 sample after displacement, limestone, light gray to gray, grainy arenaceous, dense, slightly fossiliferous, no shows, some mixed light gray to tan and black chert

limestone, mixed gray arenaceous, to cream, chalky, fossiliferous, no shows, abundant mixed cherts, some chalk, no fluoresence

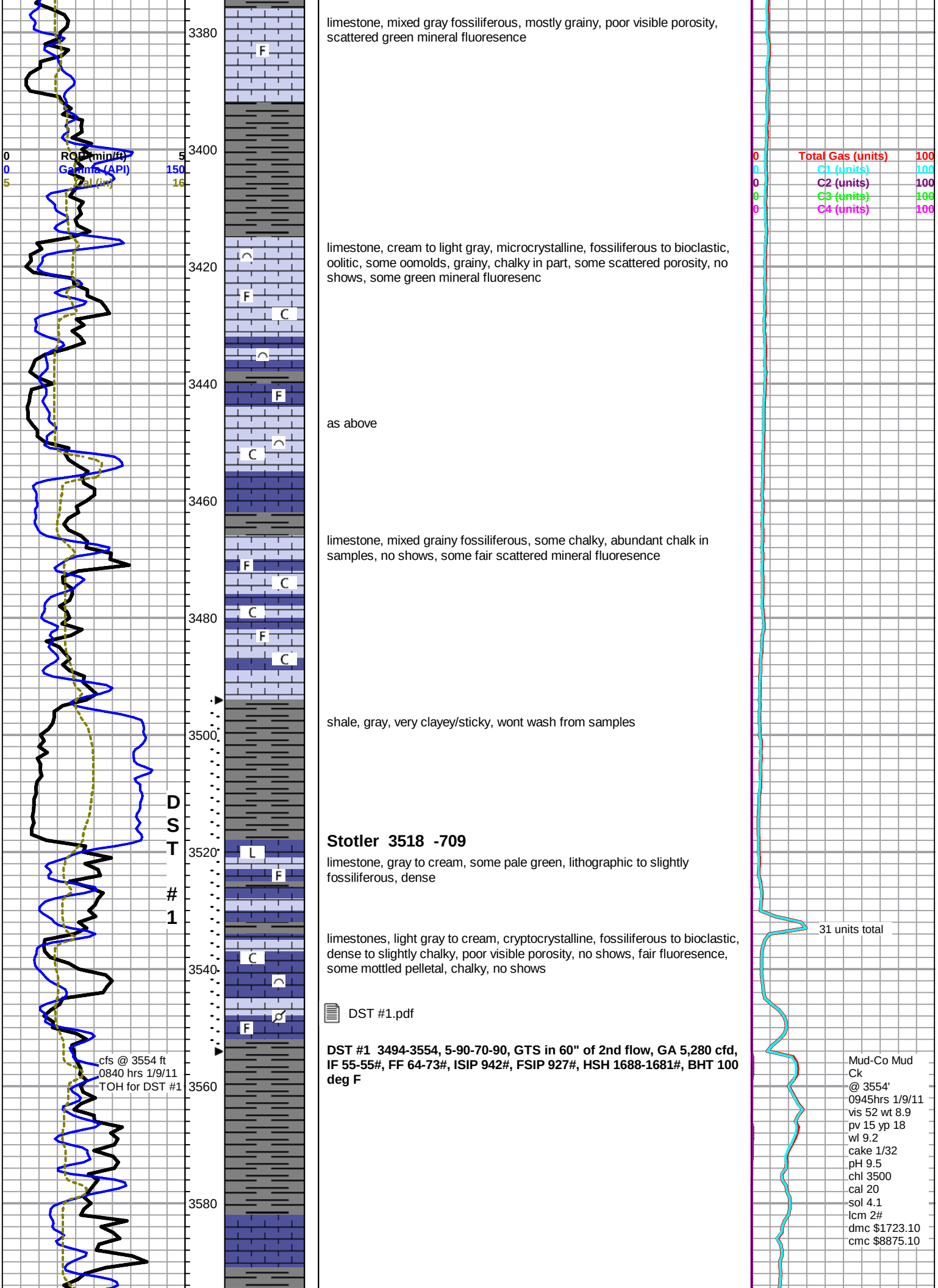
limestone, gray to light gray, fossiliferous, grainy arenaceous to fossiliferous, some gray mottled, pelletal in part and fossiliferous, some chalky weathered and glauconitic, no shows, still abundant chert

Foraker 3284 -475

limestone, cream to white, microcrystalline, fossiliferous, chalky in part, some microolitic, poor visible porosity, no shows or fluoresence

limestone, mixed gray to cream, microcrystalline, fossiliferous, poor visible porosity, chalky in part, no shows, moderate chalk in samples, scattered cherts, some scattered fluoresence

limestone, grading to darker gray, microcrystalline, fossiliferous, grainy, fossiliferous, decreased chalk, chert drops out, no shows, some scattered light fluoresence



limestone, mixed gray fossiliferous, mostly grainy, poor visible porosity, scattered green mineral fluoresence

limestone, cream to light gray, microcrystalline, fossiliferous to bioclastic, oolitic, some oomolds, grainy, chalky in part, some scattered porosity, no shows, some green mineral fluoresenc

as above

limestone, mixed grainy fossiliferous, some chalky, abundant chalk in samples, no shows, some fair scattered mineral fluoresence

shale, gray, very clayey/sticky, wont wash from samples

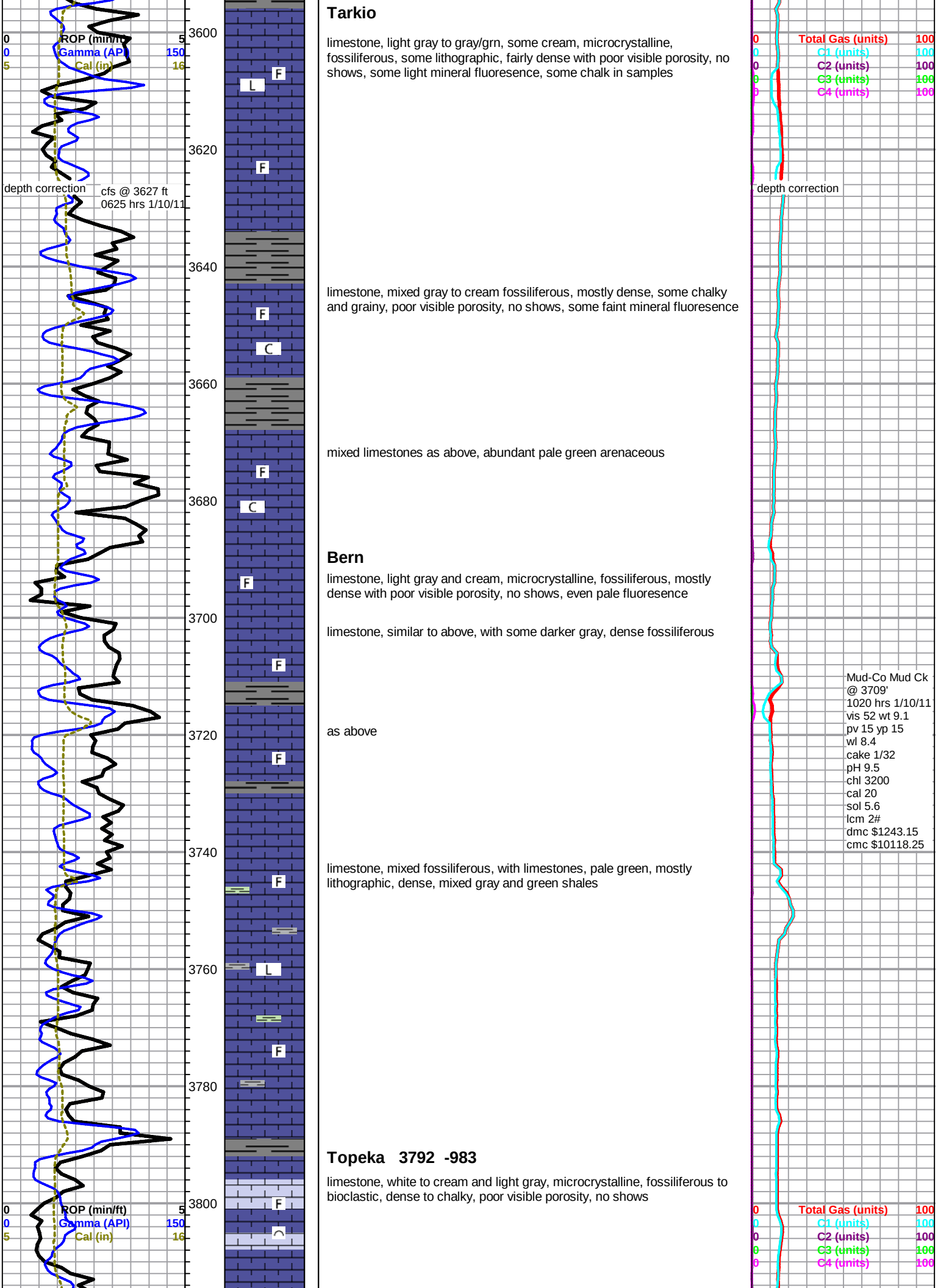
Stotler 3518 -709

limestone, gray to cream, some pale green, lithographic to slightly fossiliferous, dense

limestones, light gray to cream, cryptocrystalline, fossiliferous to bioclastic, dense to slightly chalky, poor visible porosity, no shows, fair fluoresence, some mottled pelletal, chalky, no shows

DST #1.pdf

DST #1 3494-3554, 5-90-70-90, GTS in 60" of 2nd flow, GA 5,280 cfd, IF 55-55#, FF 64-73#, ISIP 942#, FSIP 927#, HSH 1688-1681#, BHT 100 deg F



Tarkio

limestone, light gray to gray/grn, some cream, microcrystalline, fossiliferous, some lithographic, fairly dense with poor visible porosity, no shows, some light mineral fluoresence, some chalk in samples

limestone, mixed gray to cream fossiliferous, mostly dense, some chalky and grainy, poor visible porosity, no shows, some faint mineral fluoresence

mixed limestones as above, abundant pale green arenaceous

Bern

limestone, light gray and cream, microcrystalline, fossiliferous, mostly dense with poor visible porosity, no shows, even pale fluoresence

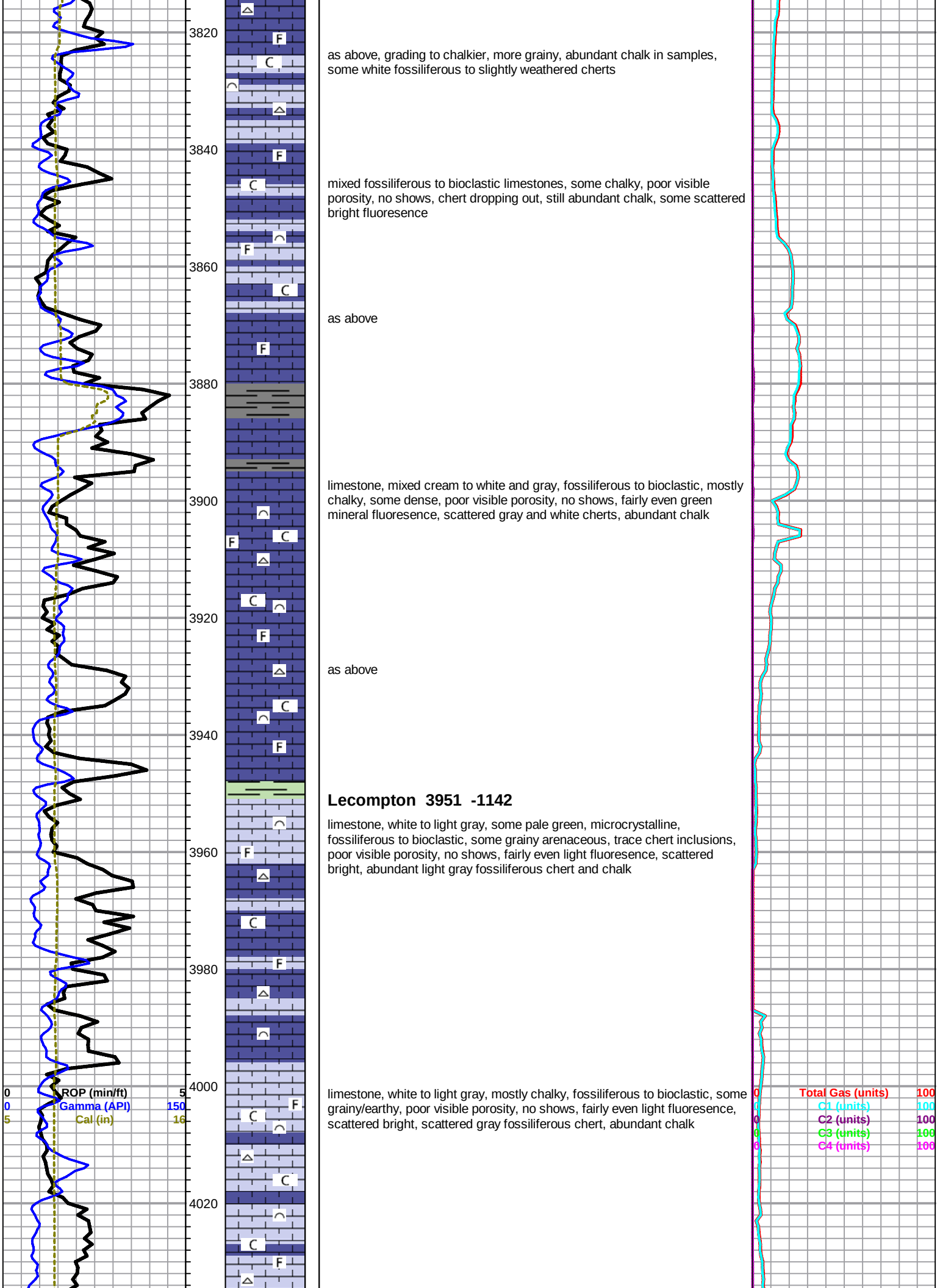
limestone, similar to above, with some darker gray, dense fossiliferous

as above

limestone, mixed fossiliferous, with limestones, pale green, mostly lithographic, dense, mixed gray and green shales

Topeka 3792 -983

limestone, white to cream and light gray, microcrystalline, fossiliferous to bioclastic, dense to chalky, poor visible porosity, no shows



as above, grading to chalkier, more grainy, abundant chalk in samples, some white fossiliferous to slightly weathered cherts

mixed fossiliferous to bioclastic limestones, some chalky, poor visible porosity, no shows, chert dropping out, still abundant chalk, some scattered bright fluoresence

as above

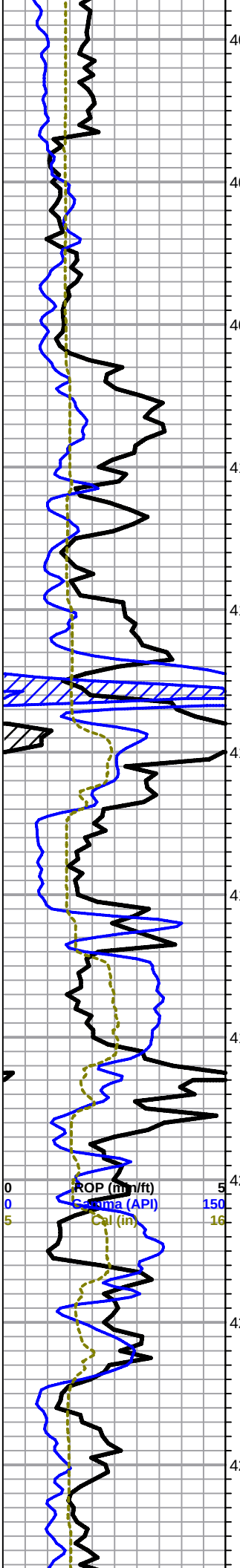
limestone, mixed cream to white and gray, fossiliferous to bioclastic, mostly chalky, some dense, poor visible porosity, no shows, fairly even green mineral fluoresence, scattered gray and white cherts, abundant chalk

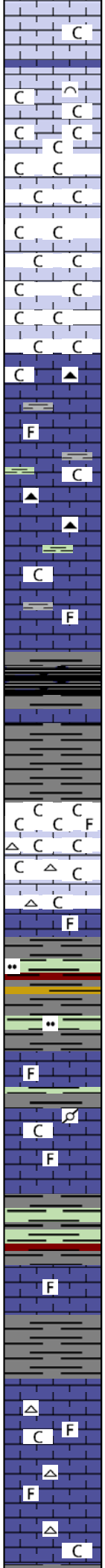
as above

Lecompton 3951 -1142

limestone, white to light gray, some pale green, microcrystalline, fossiliferous to bioclastic, some grainy arenaceous, trace chert inclusions, poor visible porosity, no shows, fairly even light fluoresence, scattered bright, abundant light gray fossiliferous chert and chalk

limestone, white to light gray, mostly chalky, fossiliferous to bioclastic, some grainy/earthy, poor visible porosity, no shows, fairly even light fluoresence, scattered bright, scattered gray fossiliferous chert, abundant chalk





as above

limestone, gray weathered grainy, fossiliferous, with flood chalk in 4060 sample, appx 50/50

limestone, dark gray, cherty, fossiliferous with limestones, cream to gray, chalky, grainy, abundant chert, dark gray, still abundant chalk, some gray to green argillaceous shale

Heebner 4128 -1319

black carbonaceous shale

Toronto

limestone, light gray, microcrystalline, grainy, grading to chalk, appx 80% in samples, with limestone, as above, some white chalky fossiliferous, white chert, fresh, sharp, some scattered bright green mineral fluoresence, no shows

influx some limestone, gray, dense, fossiliferous

shale, mixed gray, green, green silty, some mushy clayey green, some yellow and red

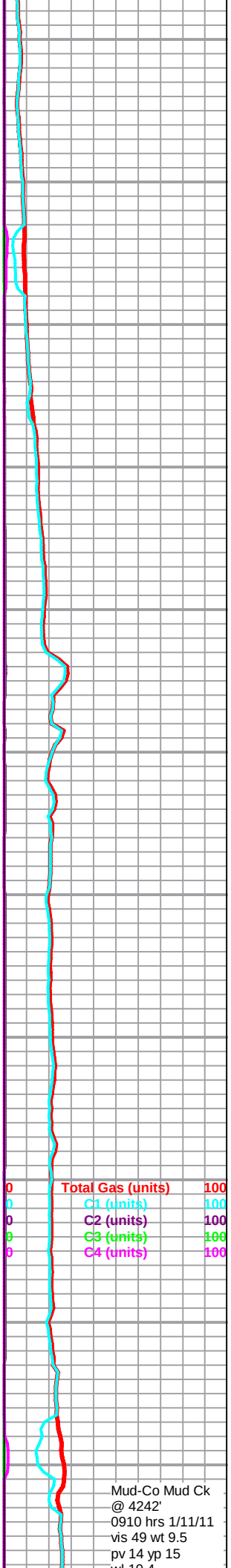
limestone, gray to cream, microcrystalline, fossiliferous, dense, some arenaceous, some chalky gray mottled, pelletal, some scattered fluoresence, no shows

limestone, gray to dark gray, fossiliferous, some arenaceous, increase in chalk in tray, no shows

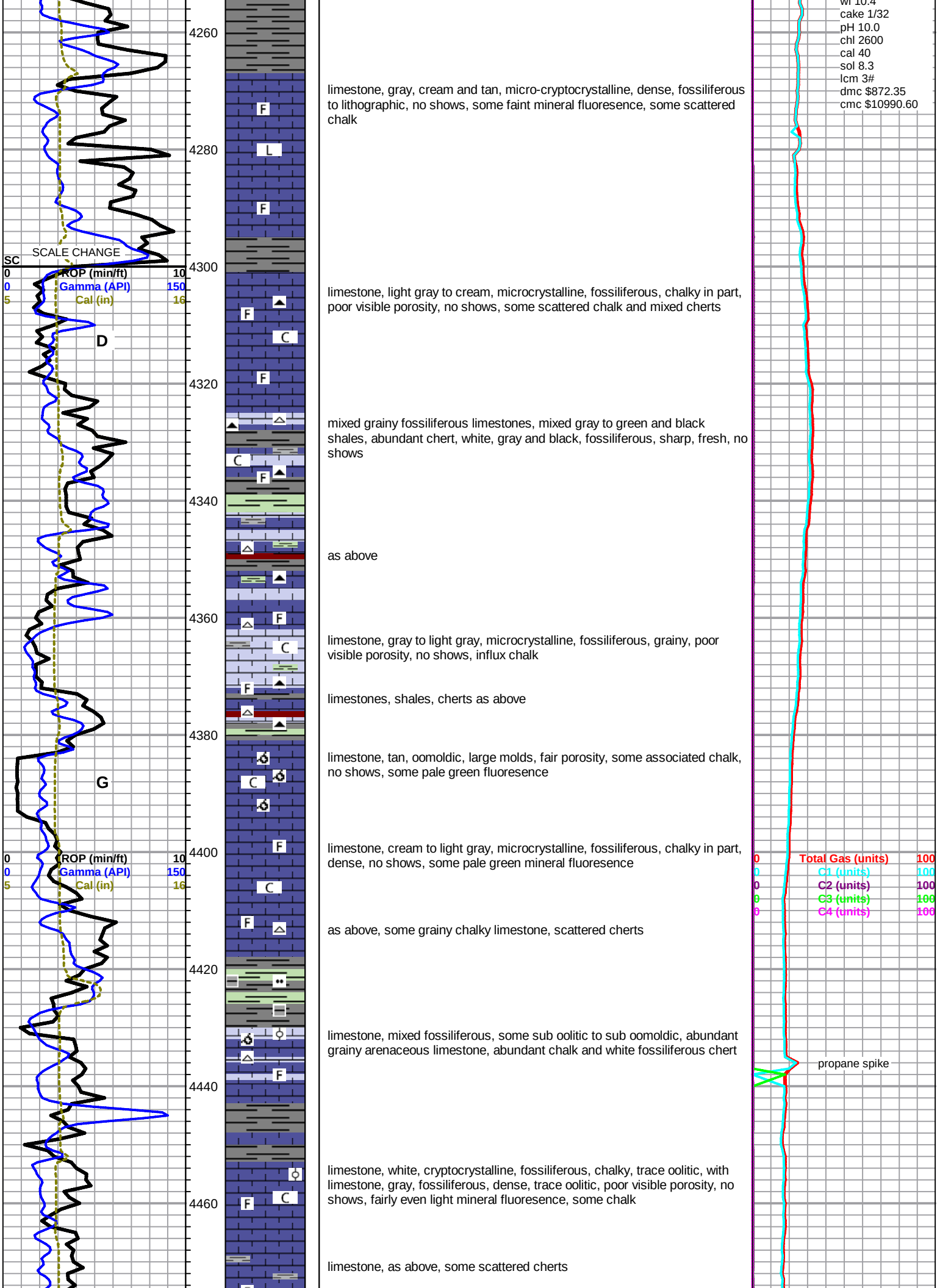
Lansing 4228 -1419

limestone, white to light gray, microcrystalline, chalky to dense, fossiliferous, poor visible porosity, abundant chert, gray to white, fossiliferous, sharp, fresh, abundant chalk, no shows, some scattered fair overall mineral fluoresence

as above, decreasing chert, limestone denser with less chalk



Mud-Co Mud Ck
@ 4242'
0910 hrs 1/11/11
vis 49 wt 9.5
pv 14 yp 15



limestone, gray, cream and tan, micro-cryptocrystalline, dense, fossiliferous to lithographic, no shows, some faint mineral fluoresence, some scattered chalk

limestone, light gray to cream, microcrystalline, fossiliferous, chalky in part, poor visible porosity, no shows, some scattered chalk and mixed cherts

mixed grainy fossiliferous limestones, mixed gray to green and black shales, abundant chert, white, gray and black, fossiliferous, sharp, fresh, no shows

as above

limestone, gray to light gray, microcrystalline, fossiliferous, grainy, poor visible porosity, no shows, influx chalk

limestones, shales, cherts as above

limestone, tan, oomoldic, large molds, fair porosity, some associated chalk, no shows, some pale green fluoresence

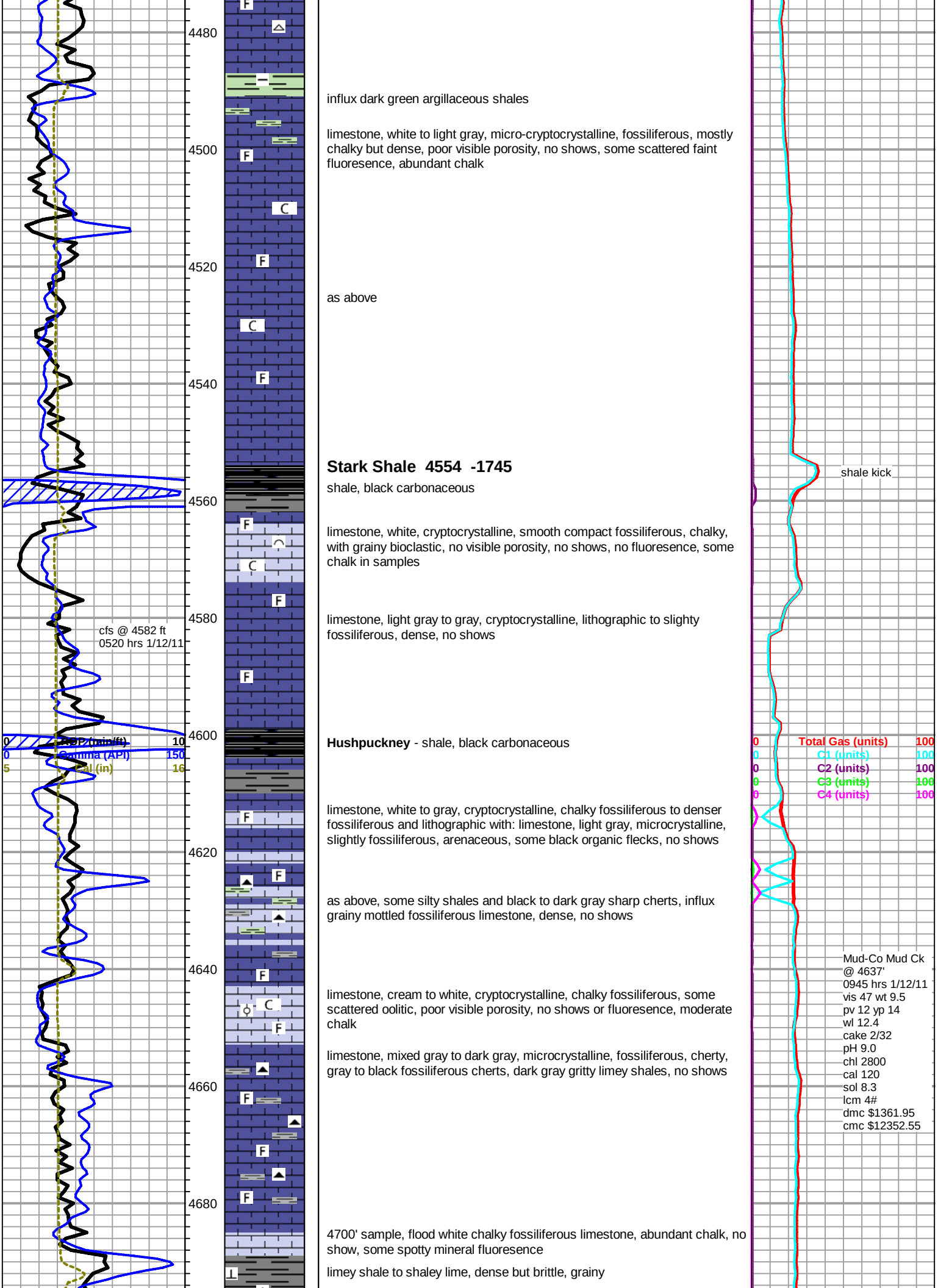
limestone, cream to light gray, microcrystalline, fossiliferous, chalky in part, dense, no shows, some pale green mineral fluoresence

as above, some grainy chalky limestone, scattered cherts

limestone, mixed fossiliferous, some sub oolitic to sub oomoldic, abundant grainy arenaceous limestone, abundant chalk and white fossiliferous chert

limestone, white, cryptocrystalline, fossiliferous, chalky, trace oolitic, with limestone, gray, fossiliferous, dense, trace oolitic, poor visible porosity, no shows, fairly even light mineral fluoresence, some chalk

limestone, as above, some scattered cherts



influx dark green argillaceous shales

limestone, white to light gray, micro-cryptocrystalline, fossiliferous, mostly chalky but dense, poor visible porosity, no shows, some scattered faint fluoresence, abundant chalk

as above

Stark Shale 4554 -1745

shale, black carbonaceous

limestone, white, cryptocrystalline, smooth compact fossiliferous, chalky, with grainy bioclastic, no visible porosity, no shows, no fluoresence, some chalk in samples

limestone, light gray to gray, cryptocrystalline, lithographic to slighty fossiliferous, dense, no shows

Hushpuckney - shale, black carbonaceous

limestone, white to gray, cryptocrystalline, chalky fossiliferous to denser fossiliferous and lithographic with: limestone, light gray, microcrystalline, slightly fossiliferous, arenaceous, some black organic flecks, no shows

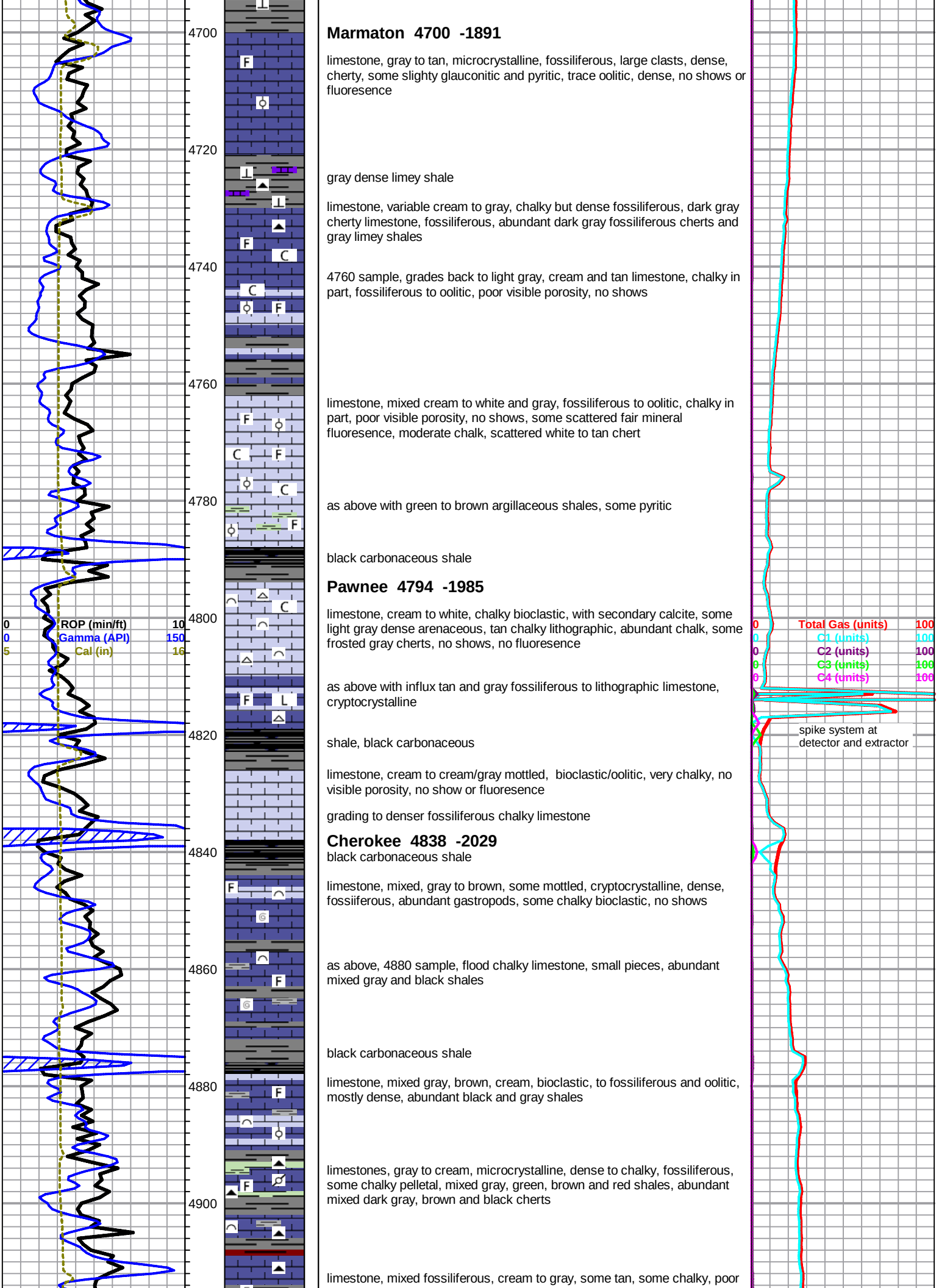
as above, some silty shales and black to dark gray sharp cherts, influx grainy mottled fossiliferous limestone, dense, no shows

limestone, cream to white, cryptocrystalline, chalky fossiliferous, some scattered oolitic, poor visible porosity, no shows or fluoresence, moderate chalk

limestone, mixed gray to dark gray, microcrystalline, fossiliferous, cherty, gray to black fossiliferous cherts, dark gray gritty limey shales, no shows

4700' sample, flood white chalky fossiliferous limestone, abundant chalk, no show, some spotty mineral fluoresence

limey shale to shaley lime, dense but brittle, grainy



Marmaton 4700 -1891

limestone, gray to tan, microcrystalline, fossiliferous, large clasts, dense, cherty, some slighty glauconitic and pyritic, trace oolitic, dense, no shows or fluoresence

gray dense limey shale

limestone, variable cream to gray, chalky but dense fossiliferous, dark gray cherty limestone, fossiliferous, abundant dark gray fossiliferous cherts and gray limey shales

4760 sample, grades back to light gray, cream and tan limestone, chalky in part, fossiliferous to oolitic, poor visible porosity, no shows

limestone, mixed cream to white and gray, fossiliferous to oolitic, chalky in part, poor visible porosity, no shows, some scattered fair mineral fluoresence, moderate chalk, scattered white to tan chert

as above with green to brown argillaceous shales, some pyritic

black carbonaceous shale

Pawnee 4794 -1985

limestone, cream to white, chalky bioclastic, with secondary calcite, some light gray dense arenaceous, tan chalky lithographic, abundant chalk, some frosted gray cherts, no shows, no fluoresence

as above with influx tan and gray fossiliferous to lithographic limestone, cryptocrystalline

shale, black carbonaceous

limestone, cream to cream/gray mottled, bioclastic/oolitic, very chalky, no visible porosity, no show or fluoresence

grading to denser fossiliferous chalky limestone

Cherokee 4838 -2029

black carbonaceous shale

limestone, mixed, gray to brown, some mottled, cryptocrystalline, dense, fossiiferous, abundant gastropods, some chalky bioclastic, no shows

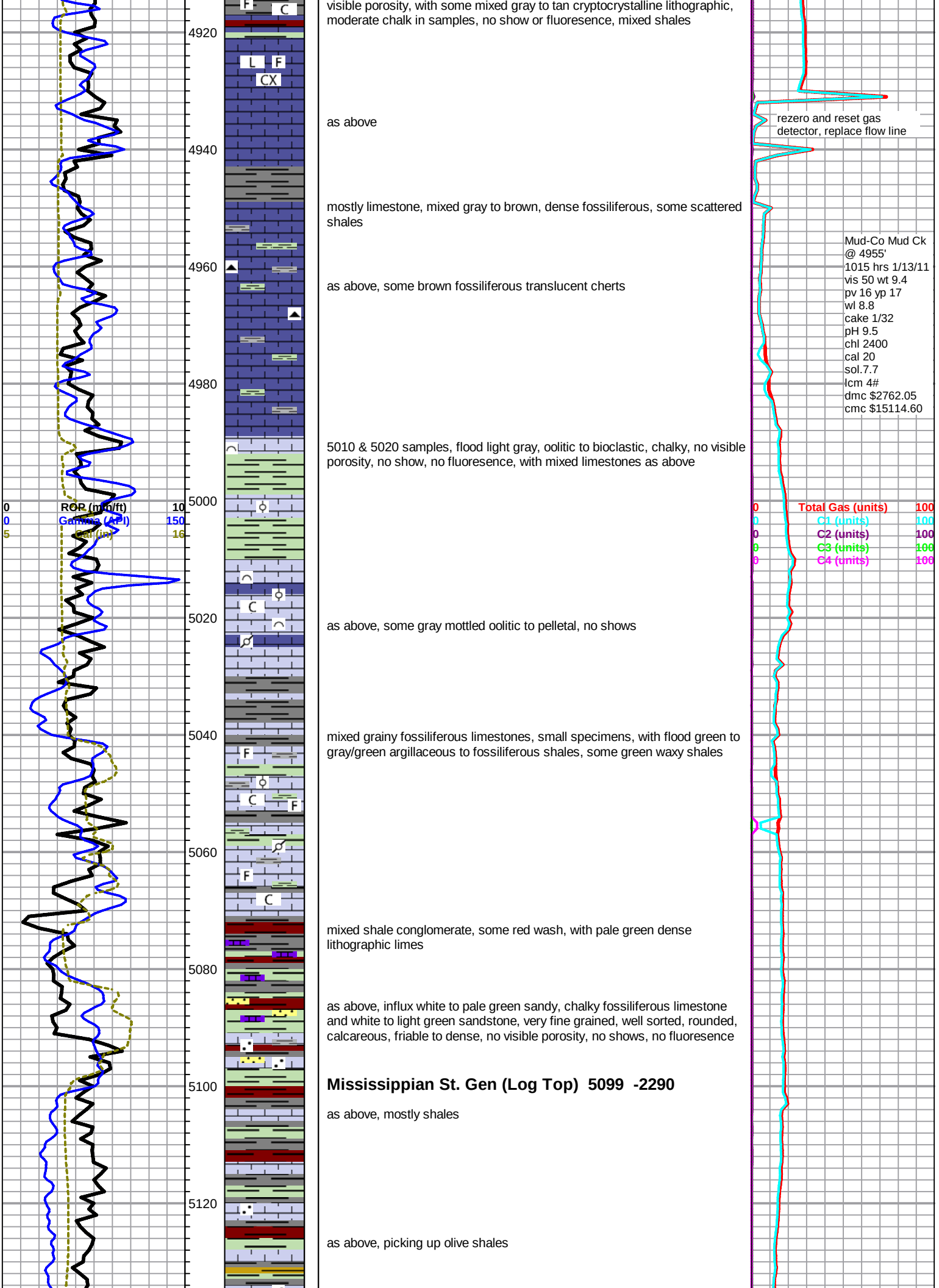
as above, 4880 sample, flood chalky limestone, small pieces, abundant mixed gray and black shales

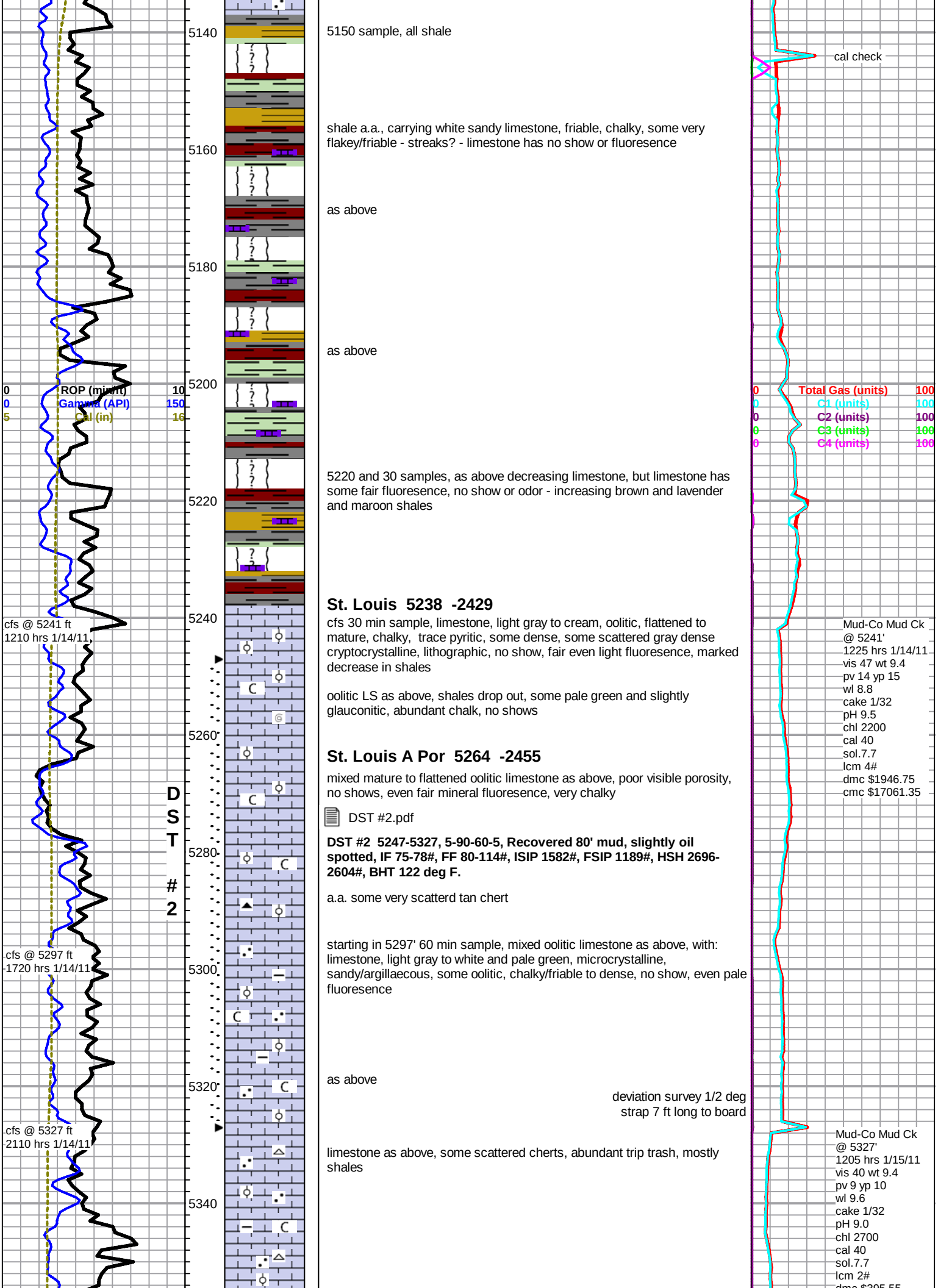
black carbonaceous shale

limestone, mixed gray, brown, cream, bioclastic, to fossiliferous and oolitic, mostly dense, abundant black and gray shales

limestones, gray to cream, microcrystalline, dense to chalky, fossiliferous, some chalky pelletal, mixed gray, green, brown and red shales, abundant mixed dark gray, brown and black cherts

limestone, mixed fossiliferous, cream to gray, some tan, some chalky, poor


0
ROP (m/h/ft)
10
0
Gamma (API)
150
5
Cal (in)
16
4920
4940
4960
4980
5000
5020
5040
5060
5080
5100
5120
F
C
L
F
CX
C
F
C
F
F
C
visible porosity, with some mixed gray to tan cryptocrystalline lithographic, moderate chalk in samples, no show or fluoresence, mixed shales
as above
rezero and reset gas detector, replace flow line
mostly limestone, mixed gray to brown, dense fossiliferous, some scattered shales
Mud-Co Mud Ck @ 4955'
1015 hrs 1/13/11
vis 50 wt 9.4
pv 16 yp 17
wl 8.8
cake 1/32
pH 9.5
chl 2400
cal 20
sol.7.7
lcm 4#
dmc $2762.05
cmc $15114.60
as above, some brown fossiliferous translucent cherts
5010 & 5020 samples, flood light gray, oolitic to bioclastic, chalky, no visible porosity, no show, no fluoresence, with mixed limestones as above
0
Total Gas (units)
100
0
C1 (units)
100
0
C2 (units)
100
0
C3 (units)
100
0
C4 (units)
100
as above, some gray mottled oolitic to pelletal, no shows
mixed grainy fossiliferous limestones, small specimens, with flood green to gray/green argillaceous to fossiliferous shales, some green waxy shales
mixed shale conglomerate, some red wash, with pale green dense lithographic limes
as above, influx white to pale green sandy, chalky fossiliferous limestone and white to light green sandstone, very fine grained, well sorted, rounded, calcareous, friable to dense, no visible porosity, no shows, no fluoresence
Mississippian St. Gen (Log Top) 5099 -2290
as above, mostly shales
as above, picking up olive shales



5150 sample, all shale

shale a.a., carrying white sandy limestone, friable, chalky, some very flakey/friable - streaks? - limestone has no show or fluoresence

as above

as above

5220 and 30 samples, as above decreasing limestone, but limestone has some fair fluoresence, no show or odor - increasing brown and lavender and maroon shales

St. Louis 5238 -2429

cfs 30 min sample, limestone, light gray to cream, oolitic, flattened to mature, chalky, trace pyritic, some dense, some scattered gray dense cryptocrystalline, lithographic, no show, fair even light fluoresence, marked decrease in shales

oolitic LS as above, shales drop out, some pale green and slightly glauconitic, abundant chalk, no shows

St. Louis A Por 5264 -2455

mixed mature to flattened oolitic limestone as above, poor visible porosity, no shows, even fair mineral fluoresence, very chalky

DST #2.pdf

DST #2 5247-5327, 5-90-60-5, Recovered 80' mud, slightly oil spotted, IF 75-78#, FF 80-114#, ISIP 1582#, FSIP 1189#, HSH 2696-2604#, BHT 122 deg F.

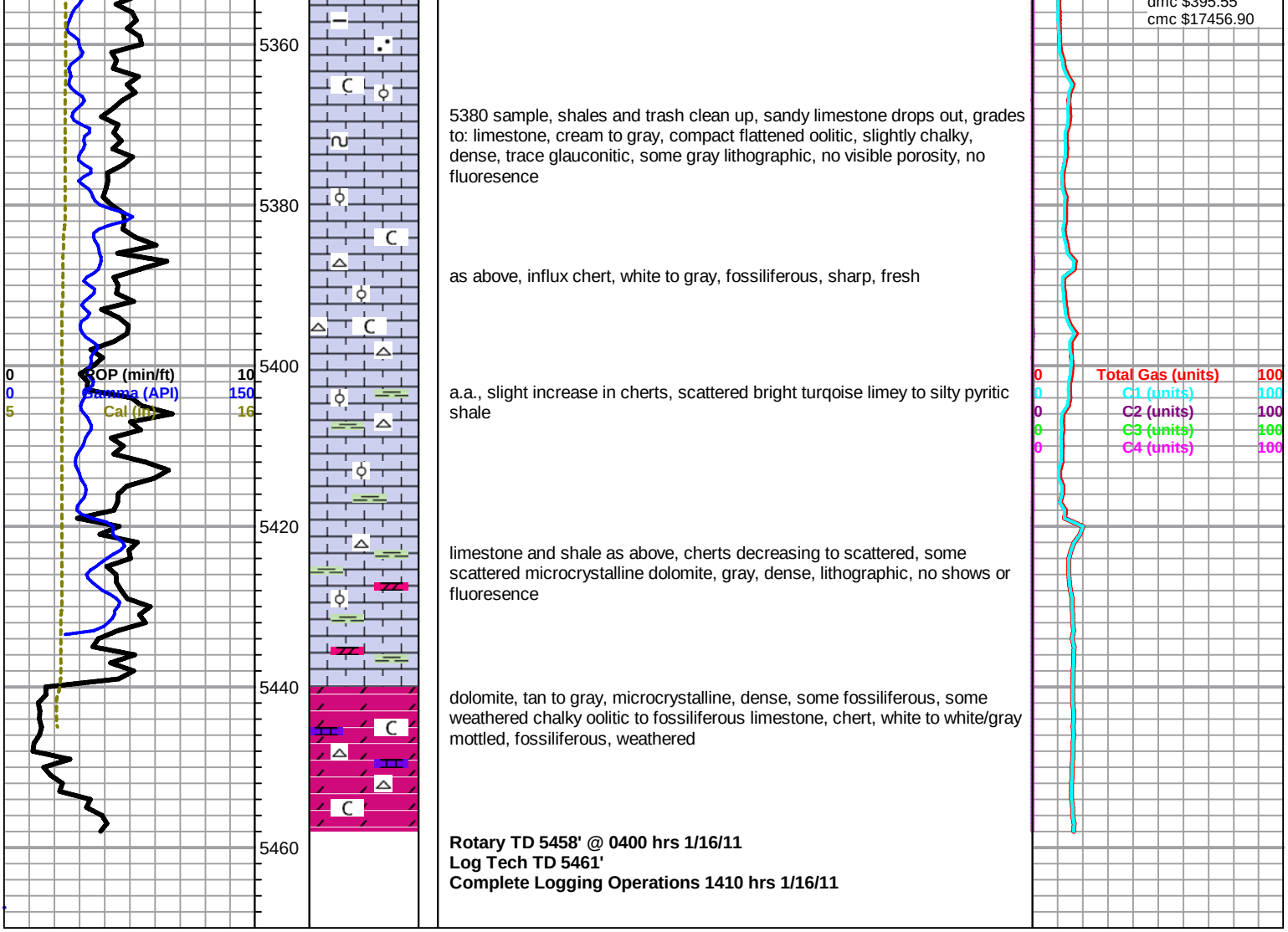
a.a. some very scatterd tan chert

starting in 5297' 60 min sample, mixed oolitic limestone as above, with: limestone, light gray to white and pale green, microcrystalline, sandy/argillaecous, some oolitic, chalky/friable to dense, no show, even pale fluoresence

as above

deviation survey 1/2 deg
strap 7 ft long to board

limestone as above, some scattered cherts, abundant trip trash, mostly shales



5380 sample, shales and trash clean up, sandy limestone drops out, grades to: limestone, cream to gray, compact flattened oolitic, slightly chalky, dense, trace glauconitic, some gray lithographic, no visible porosity, no fluoresence

as above, influx chert, white to gray, fossiliferous, sharp, fresh

a.a., slight increase in cherts, scattered bright turqoise limey to silty pyritic shale

limestone and shale as above, cherts decreasing to scattered, some scattered microcrystalline dolomite, gray, dense, lithographic, no shows or fluoresence

dolomite, tan to gray, microcrystalline, dense, some fossiliferous, some weathered chalky oolitic to fossiliferous limestone, chert, white to white/gray mottled, fossiliferous, weathered

Rotary TD 5458' @ 0400 hrs 1/16/11
Log Tech TD 5461'
Complete Logging Operations 1410 hrs 1/16/11