Scale 1:240 (5"=100') Imperial

Well Name:	Wood #2 SWD		
Location:	Sec. 30 - T26S - R16W, Edwards County, KS		
Licence Number:	API No.: 15-047-21615-0000	Region:	Trousdale West
Spud Date:	January 9, 2013	Drilling Completed:	January 28, 2013
Surface Coordinates:	330' FNL & 330' FWL (SE SE SE)		
Bottom Hole Coordinates:			
Ground Elevation (ft):	2095'	K.B. Elevation (ft):	2107'
Logged Interval (ft):	3400' To: 5200'	Total Depth (ft):	5275' (DDRTD)
Formation:	SWD Well Completion in Arbuckle		
Type of Drilling Fluid:	Chemical Gel/Fresh Water Gel		

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Lasso Energy, LLC
Address: P.O. Box 465
1125 South Main
Chase, KS 67524

GEOLOGIST

Name: Derek W. Patterson
Company: Valhalla Exploration, LLC
Address: 133 N. Glendale
Wichita, KS 67208

REMARKS

5 1/2" production casing was ran and cemented in the Arbuckle for completion as a salt water disposal well. Casing was set @ 5162' KB. The well was then open holed from this point to its drill down rotary total depth of 5275'.

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

Respectfully Submitted,

Derek W. Patterson

COMMENTS

The drill time and gas curves have been shifted 6' shallow/higher to correspond with the electric log curves. All connection points have also been moved to match the overall shift.

LassoEnergy LLC

General Information

Service Companies			
Drilling Contractor:	Fossil Drilling - Rig #3	Drilling Fluid:	Mud-Co/Service Mud
		Engineer:	Brad Bortz
Gas Detector:	Bluestem Environmental		
Engineer:	Sidney Edelbrock	Logging Company:	Tucker Wireline
Unit:	0279	Engineer:	Sheldon Tyler
Operational By:	1600'	Logs Ran:	DI, CDNL, Micro, Sonic
		Testing Company:	N/A - No DSTs

Deviation Survey	
Depth	Survey
523'	3/4°
2080'	1/2°
2523'	1/4°
3950'	3/4°
4672'	1°
5200' - RTD	1°

Pipe Strap	
Depth	Pipe Strap
None Performed	

Bit Record								
Bit #	Size	Make	Type	Serial Number	Depth In	Depth Out	Feet	Hours
1	12 1/4"	Varel	RT	RR	0'	523'	523'	4.5
2	7 7/8"	Varel	HE21	1324091	523'	4672'	4149'	115
3	7 7/8"	Security	RR	RR	4672'	5200'	528'	41.5

Surface Casing	
1.10.2013	Ran 12 joints of new 8 5/8" casing, set @ 506' KB. Cemented with 200 sacks A-Serv Lite and 200 sacks Common. Cement did circulate. Plug down @ 0830 hrs 1.10.13. By Basic Energy Services.

Production Casing	
1.19.2013	Ran 122 joints of new 17 #/ft 5 1/2" production casing, tallying 5162.26' set @ 5162' KB. Cemented with 150 sacks A-Serv Lite and 170 sacks AA2. Cement did circulate. Plug down @ 2000 hrs 1.19.13. By Basic Energy Services.

LassoEnergy LLC

Well Comparison Sheet

	Drilling Well				Comparison Well				Comparison Well			
	Lasso Energy, LLC - Wood #2 SWD Sec. 30 - T26S - R16W 330' FSL & 330' FEL (SE SE SE) 2107 KB				Lasso Energy, LLC - Wood #1 'OWWO' Sec. 30 - T26S - R16W 1320' FSL & 2245' FEL Oil - Mississippian 2107 KB		Structural Relationship		Vincent Oil - Thompson #1 'OWWO' Sec. 30 - T26S - R16W 330' FSL & 2310' FWL (SE SE SW) Oil - Pleasanton 2102 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Topeka	3552	-1445	3548	-1441	3554	-1447	2	6	3572	-1470	25	29
King Hill	3645	-1538	3638	-1531	3644	-1537	-1	6	3657	-1555	17	24
Queen Hill	3741	-1634	3735	-1628	3745	-1638	4	10	3756	-1654	20	26
Heebner	3871	-1764	3865	-1758	3874	-1767	3	9	3883	-1781	17	23
Toronto	3890	-1783	3884	-1777	3890	-1783	0	6	3907	-1805	22	28
Douglas	3904	-1797	3898	-1791	3907	-1800	3	9	3927	-1825	28	34
Brown Lime	4017	-1910	4012	-1905	4018	-1911	1	6	4035	-1933	23	28
Lansing	4035	-1928	4028	-1921	4036	-1929	1	8	4050	-1948	20	27
LKC 'B'	4051	-1944	4045	-1938	4053	-1946	2	8	4067	-1965	21	27
LKC 'C'	4080	-1973	4070	-1963	4079	-1972	-1	9	4093	-1991	18	28
LKC 'D'	4106	-1999	4100	-1993	4108	-2001	2	8	4125	-2023	24	30
LKC 'G'	4125	-2018	4120	-2013	4128	-2021	3	8	4142	-2040	22	27
Muncie Creek	4171	-2064	4161	-2054	4176	-2069	5	15	4185	-2083	19	29
LKC 'H'	4174	-2067	4164	-2057	4179	-2072	5	15	4192	-2090	23	33
Stark	4250	-2143	4245	-2138	4257	-2150	7	12	4269	-2167	24	29
LKC ' K'	4256	-2149	4253	-2146	4262	-2155	6	9	4276	-2174	25	28
Hushpuckney	4296	-2189	4290	-2183	4300	-2193	4	10	4313	-2211	22	28
LKC 'L'	4310	-2203	4297	-2190	4312	-2205	2	15	4329	-2227	24	37
Base Kansas City	4324	-2217	4318	-2211	4330	-2223	6	12	4346	-2244	27	33
Pleasanton	4342	-2235	4335	-2228	4344	-2237	2	9	4360	-2258	23	30
Marmaton	4378	-2271	4371	-2264	4383	-2276	5	12	4394	-2292	21	28
Pawnee	4463	-2356	4456	-2349	4469	-2362	6	13	Not Available			
Fort Scott	4486	-2379	4484	-2377	4489	-2382	3	5	Not Available			
Cherokee	4500	-2393	4492	-2385	4503	-2396	3	11	4525	-2423	30	38
Mississippian	4536	-2429	4528	-2421	4550	-2443	14	22	4604	-2502	73	81
Kinderhook	4568	-2461	4561	-2454	4597	-2490	29	36	4653	-2551	90	97
Misener Sand	4585	-2478	4578	-2471	4615	-2508	30	37	4672	-2570	92	99
Base Misener Sand	4634	-2527	4630	-2523	4668	-2561	34	38				
Viola	4676	-2569	4640	-2533	4681	-2574	5	41	Not Penetrated			
Simpson	4811	-2704	4798	-2691	4828	-2721	17	30				
Arbuckle	4897	-2790	4890	-2783	4911	-2804	14	21				
Total Depth	5200	-3093	5196	-3089	4978	-2871	-222	-218	4700	-2598	-495	-491
Drill Down Total Depth	5275	-3168	5265	-3158								

ROCK TYPES

LITHOLOGY
- Anhy
- Bent
- Brec
- Chert
- Clyst
- Coal
- Congl
- Dol1
- Dol2
- Dol3
- Gyp
- Igne
- Lmst1
- Lmst2
- Lmst3
- Lmst sndy
- Meta
- Salt
- Sh brn
- Sh carb
- Sh grn
- Sh gry
- Sh red
- Sh teal
- Sh wht
- Slstn
- Sltst
- Ss
- Till
- Blank
- Unknown
- Dtd
- Pipe sym

FOSSIL
- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Fuss
- Gastro
- Oolite
- Oomoldic
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

MINERAL
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chlorite
- Chtdk
- Chtlt
- Dol
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sand
- Sandy
- Silt
- Slty
- Sil
- Sulphur
- Tuff

STRINGER
- Anhy
- Arg
- Bent
- Clystn
- Coal
- Dol1
- Dol2
- Dol3
- Gry slt
- Gyp
- Lmst1
- Lmst2
- Lmst3
- Lmstsndy
- Mrst
- Sh carb
- Sh grn
- Sh gry
- Sh red
- Sltstrg
- Ssstrg

TEXTURE
- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OIL SHOW
- Gas show
- Good
- Fair
- Poor
- Dead

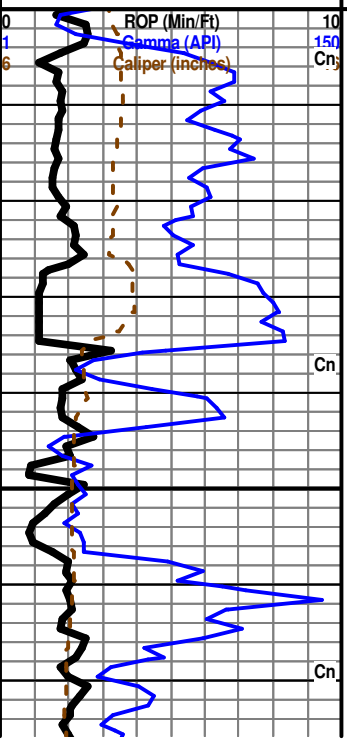
INTERVAL
- Dst
- Core
- Dst
- Straddle test t

EVENT
- Rft
- Sidewall
- Dst
- Open hole
- Perforations

Curve Track 1
ROP (Min/Ft)
Gamma (API)
Caliper (inches)

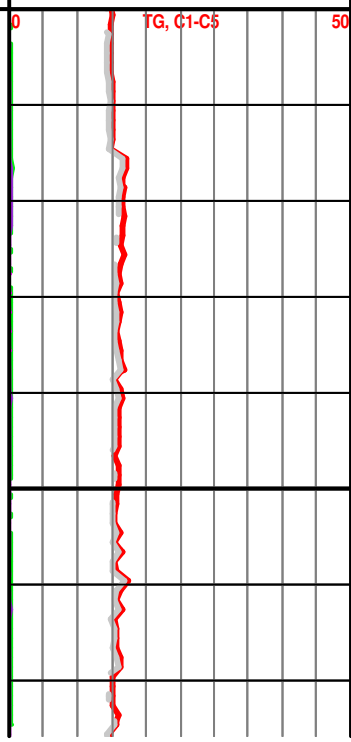
Depth | **Lithology** | **Oil Shows** | **Geological Descriptions**

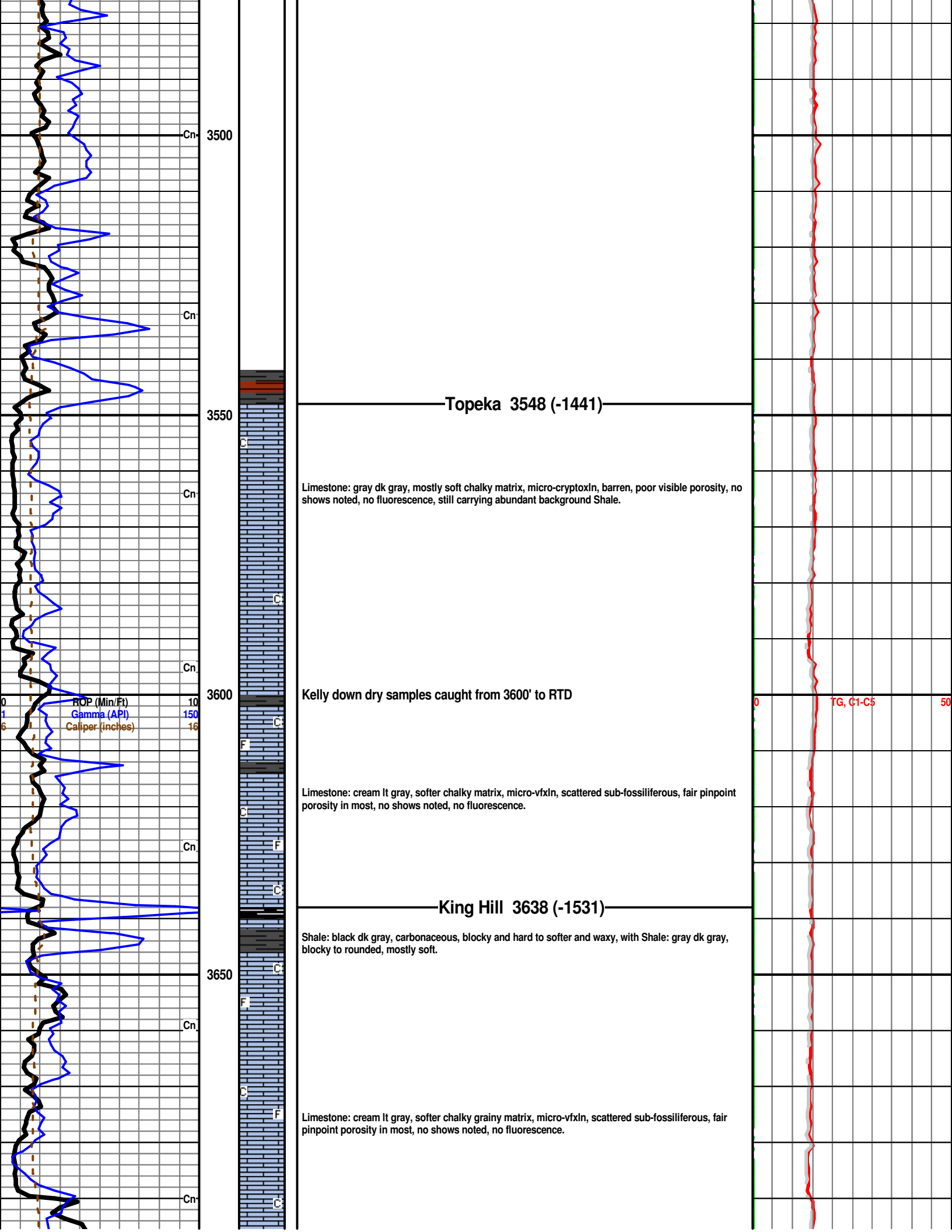
Engineering Data
TG (Units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
C5 (units)

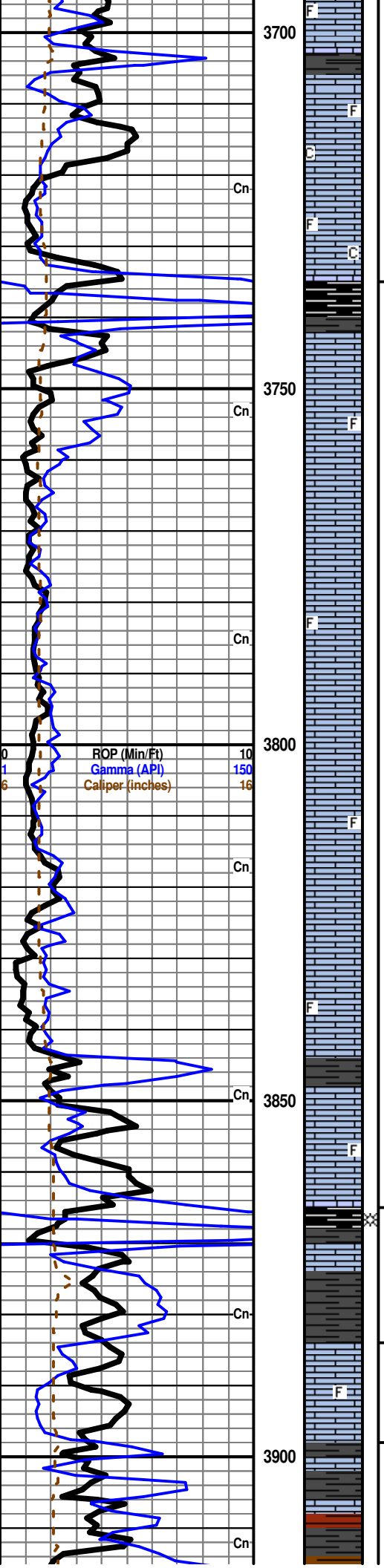


Dry samples evaluated from 3550' to the original RTD by geologist.

No wet samples available for analysis.




Cn
3500
Cn
3550
Cn
Cn
3600
0
ROP (Min/Ft)
10
1
Gamma (API)
150
6
Caliper (inches)
16
Cn
Cn
3650
Cn
Cn
C
C
C
F
C
F
C
C
F
C
F
C
Topeka 3548 (-1441)
Limestone: gray dk gray, mostly soft chalky matrix, micro-cryptoxln, barren, poor visible porosity, no shows noted, no fluorescence, still carrying abundant background Shale.
Kelly down dry samples caught from 3600' to RTD
Limestone: cream lt gray, softer chalky matrix, micro-vfxln, scattered sub-fossiliferous, fair pinpoint porosity in most, no shows noted, no fluorescence.
King Hill 3638 (-1531)
Shale: black dk gray, carbonaceous, blocky and hard to softer and waxy, with Shale: gray dk gray, blocky to rounded, mostly soft.
Limestone: cream lt gray, softer chalky grainy matrix, micro-vfxln, scattered sub-fossiliferous, fair pinpoint porosity in most, no shows noted, no fluorescence.
0
TG, C1-C5
50



Limestone: cream lt cream off white, softer chalky matrix, vfxln, fossiliferous to sub-fossiliferous, fair interxln porosity, no shows noted, no fluorescence, with Limestone: gray lt gray, dense tighter cherty matrix, cryptoxln, nearly all barren, poor visible porosity, no shows noted, no fluorescence.

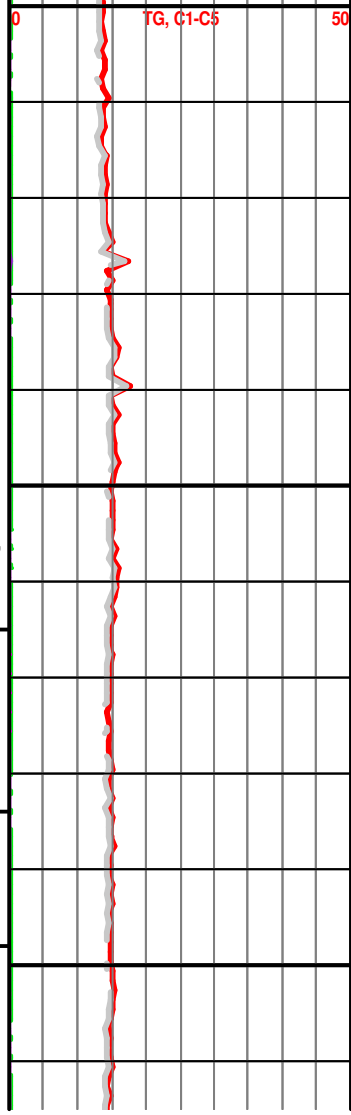
Limestone: cream lt cream off white, softer chalky matrix, vfxln, fossiliferous to sub-fossiliferous, fair interxln/pinpoint porosity, no shows noted, no fluorescence.

Queen Hill 3735 (-1628)

Shale: black dk gray, carbonaceous, blocky and hard to softer and waxy, with Shale: gray dk gray, blocky to rounded, mostly soft.

Limestone: cream tan lt gray, some mottled, dense to slightly friable matrix, vfxln, scattered sub-fossiliferous, abundant 2ndary xln fill and along edges, fair interxln porosity, no shows noted, no fluorescence.

Limestone: cream tan lt gray, some mottled, dense to slightly friable matrix, vfxln, scattered sub-fossiliferous, abundant 2ndary xln fill and along edges, fair interxln porosity, no shows noted, no fluorescence.



Limestone: cream lt gray off white, mostly dense matrix, micro-vfxln, sub-fossiliferous to barren, fair-poor interxln porosity, no shows noted, no fluorescence.

Limestone: cream lt gray off white, mostly dense matrix, micro-vfxln, fossiliferous to sub-fossiliferous, fair-poor interxln porosity, no shows noted, no fluorescence.

Heebner 3865 (-1758)

Shale: black dk gray, carbonaceous, blocky, hard to slightly waxy, fair gas show, with Shale: gray dk gray, blocky, mostly soft, abundant fissile material.

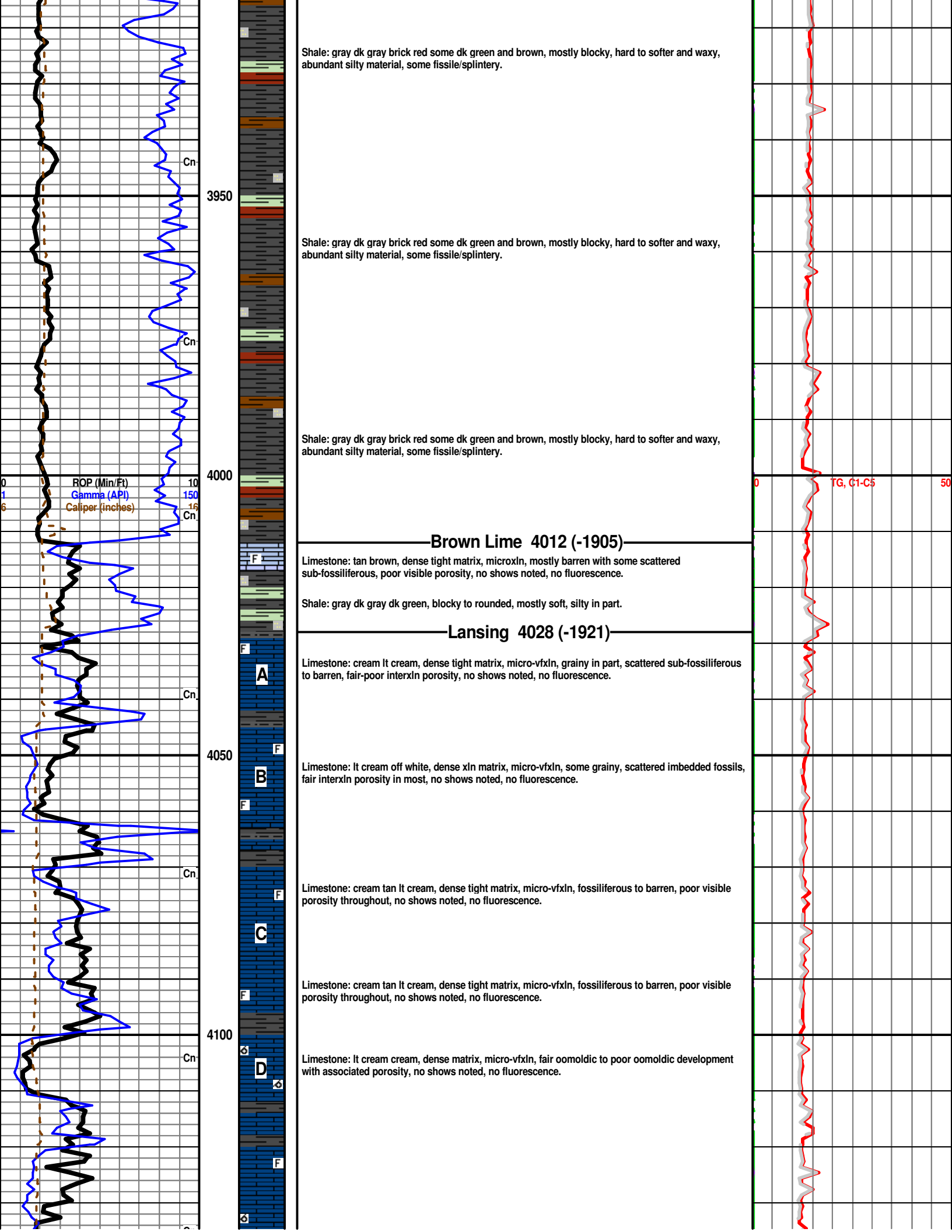
Shale: gray dk gray, blocky, mostly soft, abundant fissile material.

Toronto 3884 (-1777)

Limestone: cream tan gray, mostly dense xln matrix, micro-cryptoxln, nearly all barren, poor visible porosity, no shows noted, no fluorescence, with scattered Limestone: cream lt cream, dense matrix, micro-vfxln, sub-fossiliferous, poor interxln porosity, no shows noted, no fluorescence.

Douglas 3898 (-1791)

INFLUX Shale: gray dk gray, blocky, hard to slightly waxy, fissile, with interbedded Limestone: gray, dense matrix, lithographic non-descript, no visible porosity, no shows noted, no fluorescence.



Shale: gray dk gray brick red some dk green and brown, mostly blocky, hard to softer and waxy, abundant silty material, some fissile/splintery.

Shale: gray dk gray brick red some dk green and brown, mostly blocky, hard to softer and waxy, abundant silty material, some fissile/splintery.

Shale: gray dk gray brick red some dk green and brown, mostly blocky, hard to softer and waxy, abundant silty material, some fissile/splintery.

Brown Lime 4012 (-1905)

Limestone: tan brown, dense tight matrix, microxln, mostly barren with some scattered sub-fossiliferous, poor visible porosity, no shows noted, no fluorescence.

Shale: gray dk gray dk green, blocky to rounded, mostly soft, silty in part.

Lansing 4028 (-1921)

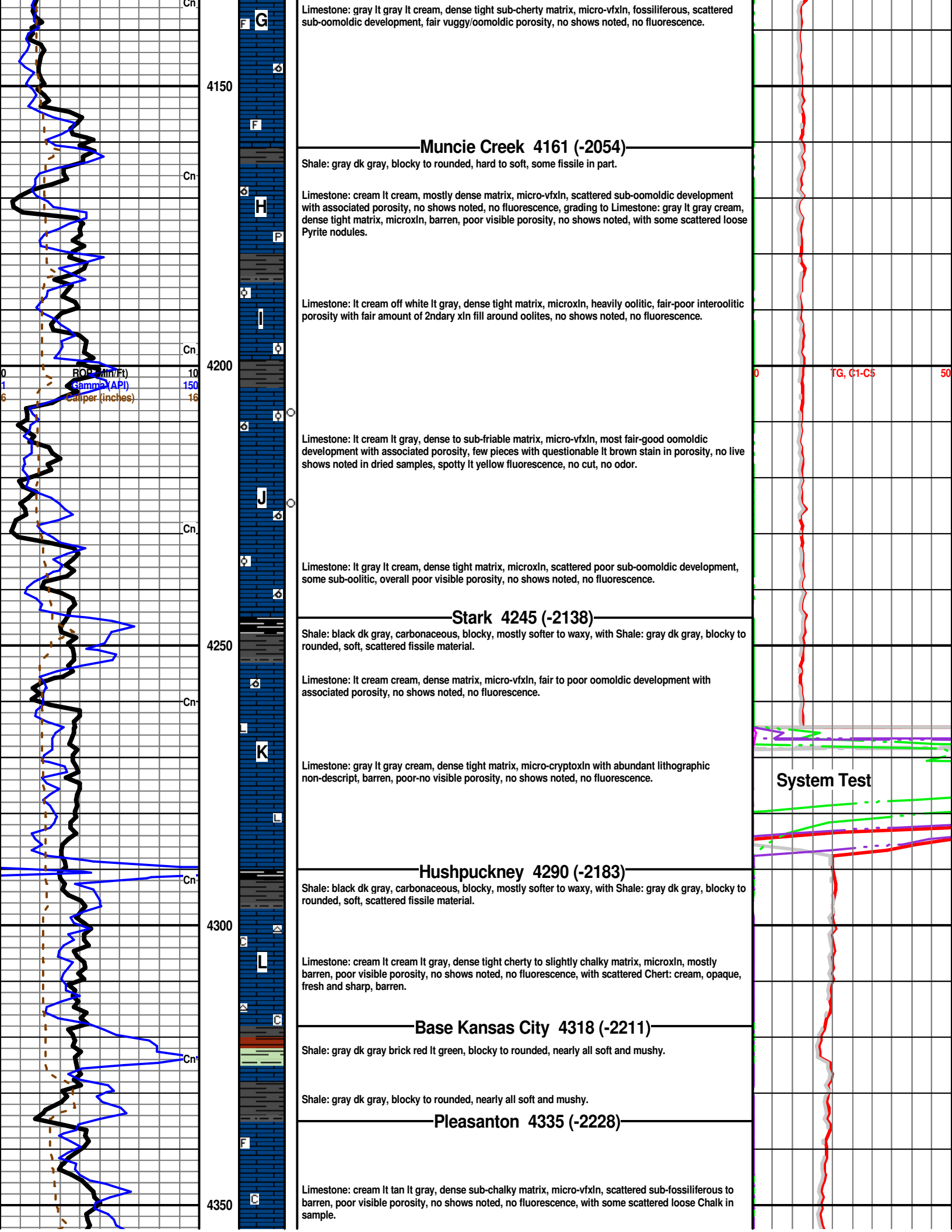
Limestone: cream lt cream, dense tight matrix, micro-vfxln, grainy in part, scattered sub-fossiliferous to barren, fair-poor interxln porosity, no shows noted, no fluorescence.

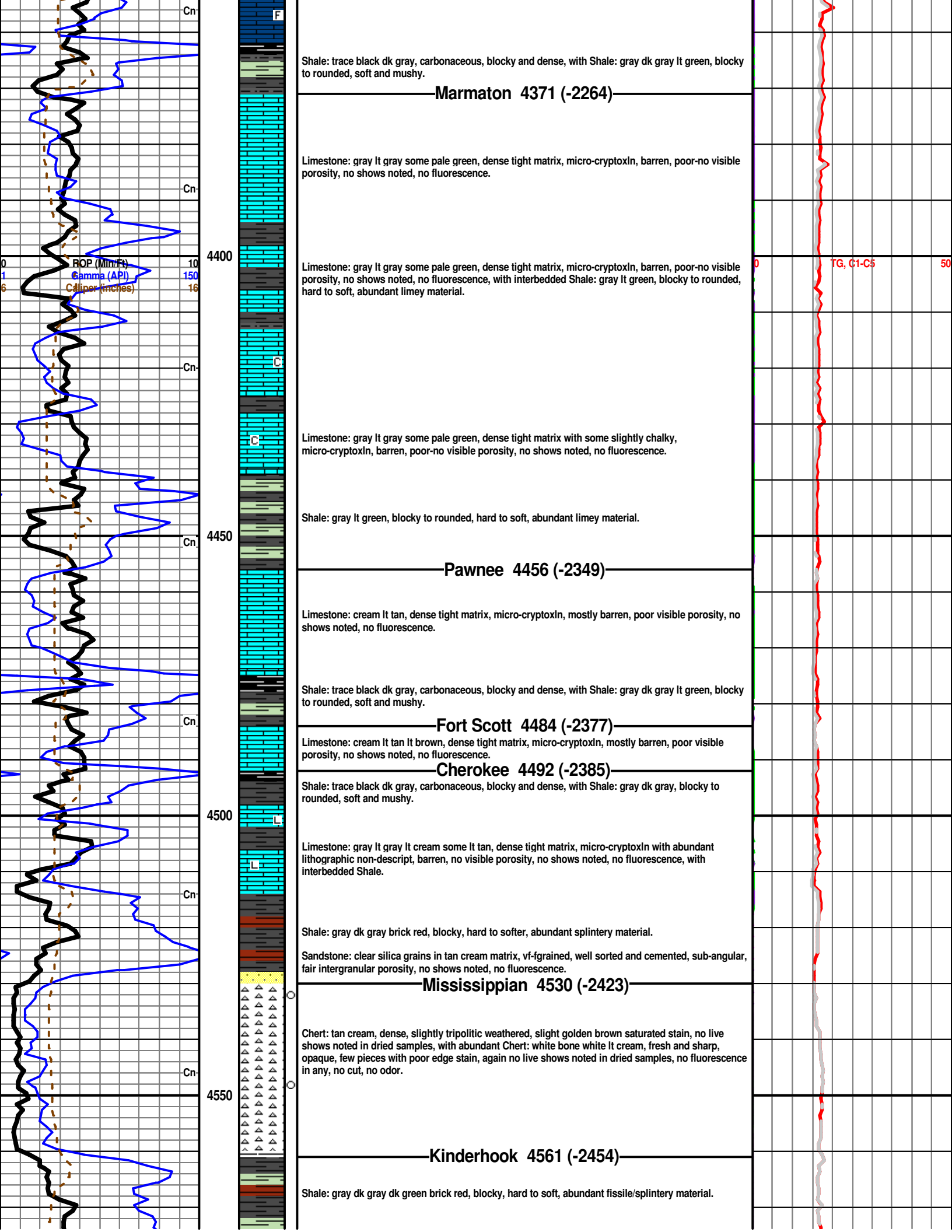
Limestone: lt cream off white, dense xln matrix, micro-vfxln, some grainy, scattered imbedded fossils, fair interxln porosity in most, no shows noted, no fluorescence.

Limestone: cream tan lt cream, dense tight matrix, micro-vfxln, fossiliferous to barren, poor visible porosity throughout, no shows noted, no fluorescence.

Limestone: cream tan lt cream, dense tight matrix, micro-vfxln, fossiliferous to barren, poor visible porosity throughout, no shows noted, no fluorescence.

Limestone: lt cream cream, dense matrix, micro-vfxln, fair oomoldic to poor oomoldic development with associated porosity, no shows noted, no fluorescence.


ROP (Min/Ft)
Gamma (API)
Caliper (inches)
TG, C1-C5
System Test
4150
4200
4250
4300
4350
Limestone: gray lt gray lt cream, dense tight sub-cherty matrix, micro-vfxln, fossiliferous, scattered sub-oomoldic development, fair vuggy/oomoldic porosity, no shows noted, no fluorescence.
Muncie Creek 4161 (-2054)
Shale: gray dk gray, blocky to rounded, hard to soft, some fissile in part.
Limestone: cream lt cream, mostly dense matrix, micro-vfxln, scattered sub-oomoldic development with associated porosity, no shows noted, no fluorescence, grading to Limestone: gray lt gray cream, dense tight matrix, microxln, barren, poor visible porosity, no shows noted, with some scattered loose Pyrite nodules.
Limestone: lt cream off white lt gray, dense tight matrix, microxln, heavily oolitic, fair-poor interoolitic porosity with fair amount of 2ndary xln fill around oolites, no shows noted, no fluorescence.
Limestone: lt cream lt gray, dense to sub-friable matrix, micro-vfxln, most fair-good oomoldic development with associated porosity, few pieces with questionable lt brown stain in porosity, no live shows noted in dried samples, spotty lt yellow fluorescence, no cut, no odor.
Limestone: lt gray lt cream, dense tight matrix, microxln, scattered poor sub-oomoldic development, some sub-oolitic, overall poor visible porosity, no shows noted, no fluorescence.
Stark 4245 (-2138)
Shale: black dk gray, carbonaceous, blocky, mostly softer to waxy, with Shale: gray dk gray, blocky to rounded, soft, scattered fissile material.
Limestone: lt cream cream, dense matrix, micro-vfxln, fair to poor oomoldic development with associated porosity, no shows noted, no fluorescence.
Limestone: gray lt gray cream, dense tight matrix, micro-cryptoxln with abundant lithographic non-descript, barren, poor-no visible porosity, no shows noted, no fluorescence.
Hushpuckney 4290 (-2183)
Shale: black dk gray, carbonaceous, blocky, mostly softer to waxy, with Shale: gray dk gray, blocky to rounded, soft, scattered fissile material.
Limestone: cream lt cream lt gray, dense tight cherty to slightly chalky matrix, microxln, mostly barren, poor visible porosity, no shows noted, no fluorescence, with scattered Chert: cream, opaque, fresh and sharp, barren.
Base Kansas City 4318 (-2211)
Shale: gray dk gray brick red lt green, blocky to rounded, nearly all soft and mushy.
Shale: gray dk gray, blocky to rounded, nearly all soft and mushy.
Pleasanton 4335 (-2228)
Limestone: cream lt tan lt gray, dense sub-chalky matrix, micro-vfxln, scattered sub-fossiliferous to barren, poor visible porosity, no shows noted, no fluorescence, with some scattered loose Chalk in sample.



Shale: trace black dk gray, carbonaceous, blocky and dense, with Shale: gray dk gray lt green, blocky to rounded, soft and mushy.

Marmaton 4371 (-2264)

Limestone: gray lt gray some pale green, dense tight matrix, micro-cryptoxln, barren, poor-no visible porosity, no shows noted, no fluorescence.

Limestone: gray lt gray some pale green, dense tight matrix, micro-cryptoxln, barren, poor-no visible porosity, no shows noted, no fluorescence, with interbedded Shale: gray lt green, blocky to rounded, hard to soft, abundant limey material.

Limestone: gray lt gray some pale green, dense tight matrix with some slightly chalky, micro-cryptoxln, barren, poor-no visible porosity, no shows noted, no fluorescence.

Shale: gray lt green, blocky to rounded, hard to soft, abundant limey material.

Pawnee 4456 (-2349)

Limestone: cream lt tan, dense tight matrix, micro-cryptoxln, mostly barren, poor visible porosity, no shows noted, no fluorescence.

Shale: trace black dk gray, carbonaceous, blocky and dense, with Shale: gray dk gray lt green, blocky to rounded, soft and mushy.

Fort Scott 4484 (-2377)

Limestone: cream lt tan lt brown, dense tight matrix, micro-cryptoxln, mostly barren, poor visible porosity, no shows noted, no fluorescence.

Cherokee 4492 (-2385)

Shale: trace black dk gray, carbonaceous, blocky and dense, with Shale: gray dk gray, blocky to rounded, soft and mushy.

Limestone: gray lt gray lt cream some lt tan, dense tight matrix, micro-cryptoxln with abundant lithographic non-descript, barren, no visible porosity, no shows noted, no fluorescence, with interbedded Shale.

Shale: gray dk gray brick red, blocky, hard to softer, abundant splintery material.

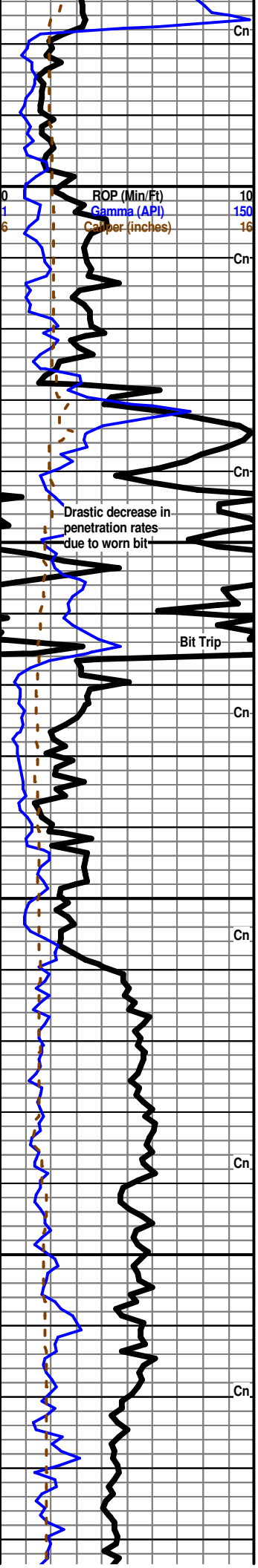
Sandstone: clear silica grains in tan cream matrix, vf-fgrained, well sorted and cemented, sub-angular, fair intergranular porosity, no shows noted, no fluorescence.

Mississippian 4530 (-2423)

Chert: tan cream, dense, slightly tripolitic weathered, slight golden brown saturated stain, no live shows noted in dried samples, with abundant Chert: white bone white lt cream, fresh and sharp, opaque, few pieces with poor edge stain, again no live shows noted in dried samples, no fluorescence in any, no cut, no odor.

Kinderhook 4561 (-2454)

Shale: gray dk gray dk green brick red, blocky, hard to soft, abundant fissile/splintery material.



Misener Sand 4578 (-2471)

Sandstone: clear silica grains in white lt cream matrix, vfgrained, well sorted, sub-friable to fairly cemented, sub-rounded to rounded, fair intergranular porosity, no shows noted, no fluorescence.

Sandstone: clear silica grains in white lt cream matrix, vfgrained, well sorted, sub-friable to fairly cemented, sub-rounded to rounded, fair intergranular porosity, no shows noted, no fluorescence.

Base Misener Sand 4630 (-2523)

Shale: gray dk gray dk green brick red, blocky, hard to soft, abundant fissile/splintery material.

Viola 4640 (-2533)

Very poor sample quality - No descriptions available prior to bit trip.

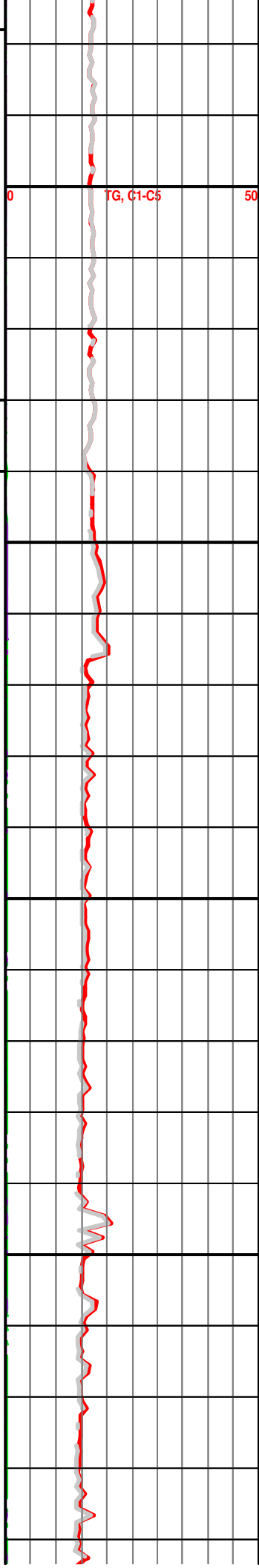
E-logs read dirty/shaley Limestone.

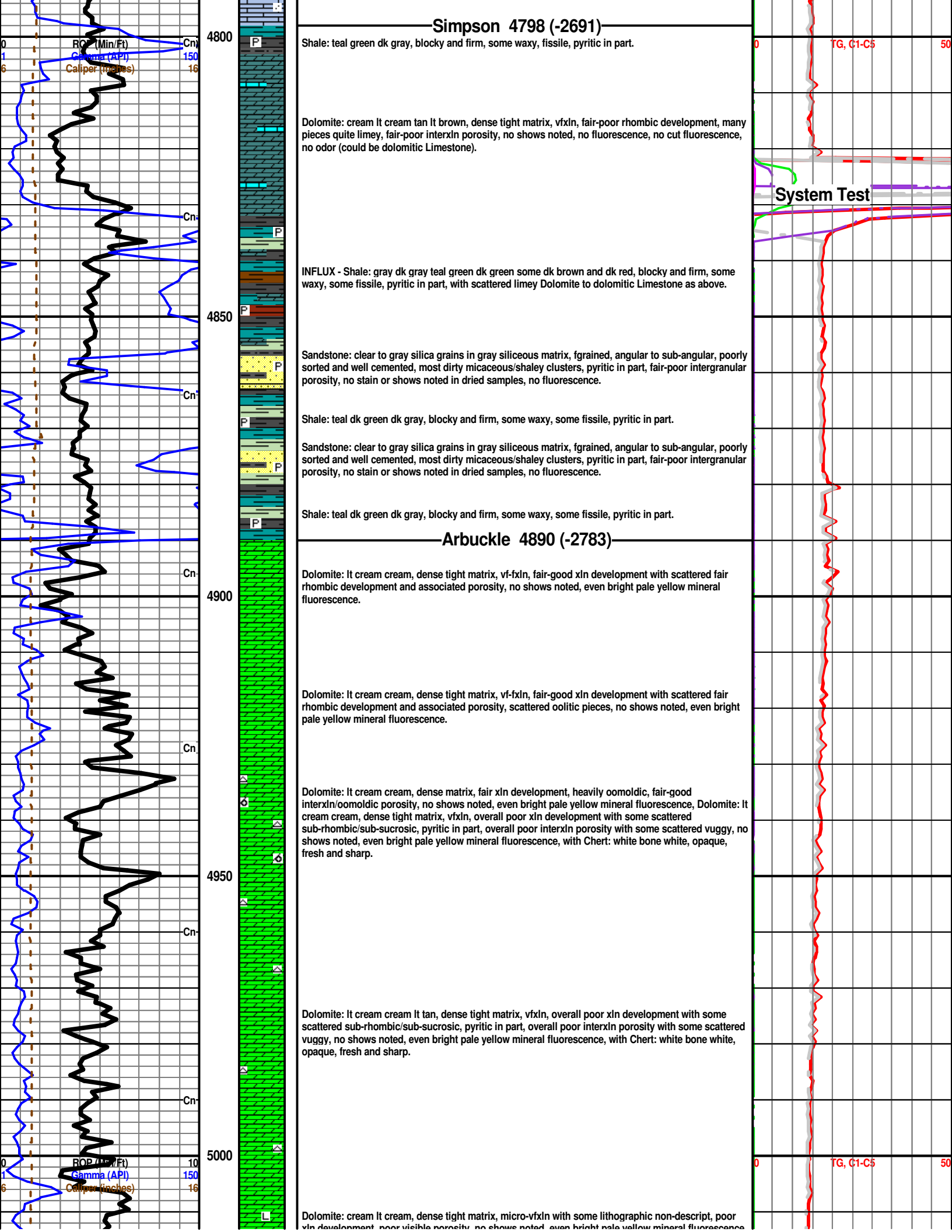
Predominately Chert: white bone white cream, opaque, fresh and sharp, barren, no shows noted, no fluorescence.

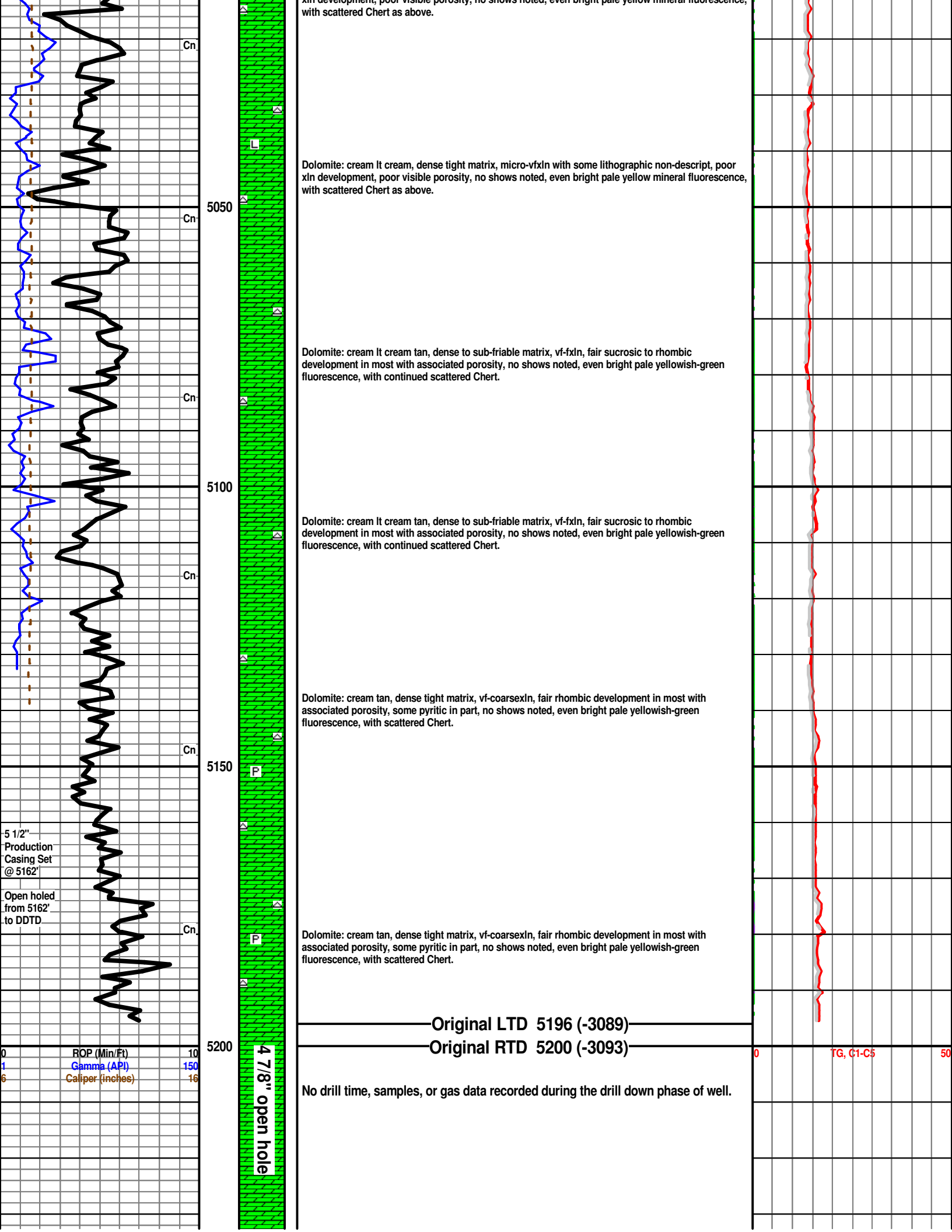
INFLUX - Dolomite: cream lt cream, dense to sub-friable matrix, vf-coarsexln, poor-fair xln development with some good rhombic to sucrosic and associated porosity, some limey, no shows noted, no fluorescence, and scattered Chert: as above.

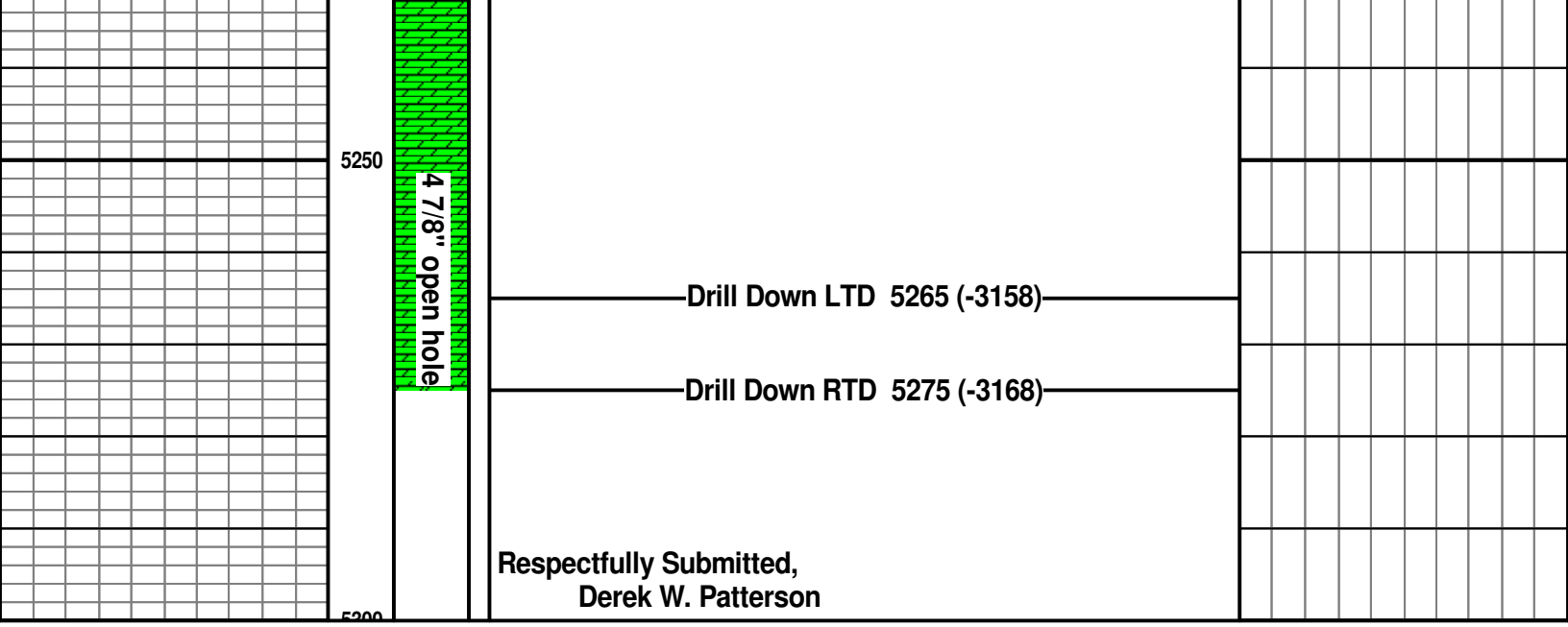
Dolomite: as above, grading to Limestone: cream lt cream lt pink, dense tight matrix, vfxln, dolomitic in part, fair-poor interxln porosity, no shows noted, no fluorescence, no cut fluorescence, no odor, most Chert drops out.

Limestone: as above, grading to Limestone: gray lt gray, sub-friable to dense tight matrix, micro-vfxln, abundant arenaceous material, barren, fair-poor visible porosity, no shows noted, no fluorescence.




ROP (Min/Ft)
Gamma (API)
Caliper (inches)
0
150
16
10
4800
4850
4900
4950
5000
Cn
P
L
TG, C1-C5
50
System Test
Simpson 4798 (-2691)
Shale: teal green dk gray, blocky and firm, some waxy, fissile, pyritic in part.
Dolomite: cream lt cream tan lt brown, dense tight matrix, vfxln, fair-poor rhombic development, many pieces quite limey, fair-poor interxln porosity, no shows noted, no fluorescence, no cut fluorescence, no odor (could be dolomitic Limestone).
INFLUX - Shale: gray dk gray teal green dk green some dk brown and dk red, blocky and firm, some waxy, some fissile, pyritic in part, with scattered limey Dolomite to dolomitic Limestone as above.
Sandstone: clear to gray silica grains in gray siliceous matrix, fgrained, angular to sub-angular, poorly sorted and well cemented, most dirty micaceous/shaley clusters, pyritic in part, fair-poor intergranular porosity, no stain or shows noted in dried samples, no fluorescence.
Shale: teal dk green dk gray, blocky and firm, some waxy, some fissile, pyritic in part.
Sandstone: clear to gray silica grains in gray siliceous matrix, fgrained, angular to sub-angular, poorly sorted and well cemented, most dirty micaceous/shaley clusters, pyritic in part, fair-poor intergranular porosity, no stain or shows noted in dried samples, no fluorescence.
Shale: teal dk green dk gray, blocky and firm, some waxy, some fissile, pyritic in part.
Arbuckle 4890 (-2783)
Dolomite: lt cream cream, dense tight matrix, vf-fxln, fair-good xln development with scattered fair rhombic development and associated porosity, no shows noted, even bright pale yellow mineral fluorescence.
Dolomite: lt cream cream, dense tight matrix, vf-fxln, fair-good xln development with scattered fair rhombic development and associated porosity, scattered oolitic pieces, no shows noted, even bright pale yellow mineral fluorescence.
Dolomite: lt cream cream, dense matrix, fair xln development, heavily oomoldic, fair-good interxln/oomoldic porosity, no shows noted, even bright pale yellow mineral fluorescence, Dolomite: lt cream cream, dense tight matrix, vfxln, overall poor xln development with some scattered sub-rhombic/sub-sucrosic, pyritic in part, overall poor interxln porosity with some scattered vuggy, no shows noted, even bright pale yellow mineral fluorescence, with Chert: white bone white, opaque, fresh and sharp.
Dolomite: lt cream cream lt tan, dense tight matrix, vfxln, overall poor xln development with some scattered sub-rhombic/sub-sucrosic, pyritic in part, overall poor interxln porosity with some scattered vuggy, no shows noted, even bright pale yellow mineral fluorescence, with Chert: white bone white, opaque, fresh and sharp.
Dolomite: cream lt cream, dense tight matrix, micro-vfxln with some lithographic non-descript, poor


Cn
Cn
Cn
Cn
Cn
Cn
5050
5100
5150
5200
L
P
P
5 1/2" Production Casing Set @ 5162'
Open holed from 5162' to DDTD
4 7/8" open hole
0 ROP (Min/Ft) 10
1 Gamma (API) 150
6 Caliper (inches) 16
0 TG, C1-C5 50
Dolomite: cream lt cream, dense tight matrix, micro-vfxln with some lithographic non-descript, poor xln development, poor visible porosity, no shows noted, even bright pale yellow mineral fluorescence, with scattered Chert as above.
Dolomite: cream lt cream, dense tight matrix, micro-vfxln with some lithographic non-descript, poor xln development, poor visible porosity, no shows noted, even bright pale yellow mineral fluorescence, with scattered Chert as above.
Dolomite: cream lt cream tan, dense to sub-friable matrix, vf-fxln, fair sucrosic to rhombic development in most with associated porosity, no shows noted, even bright pale yellowish-green fluorescence, with continued scattered Chert.
Dolomite: cream lt cream tan, dense to sub-friable matrix, vf-fxln, fair sucrosic to rhombic development in most with associated porosity, no shows noted, even bright pale yellowish-green fluorescence, with continued scattered Chert.
Dolomite: cream tan, dense tight matrix, vf-coarsexln, fair rhombic development in most with associated porosity, some pyritic in part, no shows noted, even bright pale yellowish-green fluorescence, with scattered Chert.
Dolomite: cream tan, dense tight matrix, vf-coarsexln, fair rhombic development in most with associated porosity, some pyritic in part, no shows noted, even bright pale yellowish-green fluorescence, with scattered Chert.
Original LTD 5196 (-3089)
Original RTD 5200 (-3093)
No drill time, samples, or gas data recorded during the drill down phase of well.


5250
4 7/8" open hole
Drill Down LTD 5265 (-3158)
Drill Down RTD 5275 (-3168)
Respectfully Submitted,
Derek W. Patterson