

LITHOLOGY STRIP LOG

WellSight Systems

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

Measured Depth Log

Well Name: #1-28 Banta

Location: 614' FSL & 335' FEL, Sec. 28-T27S-R18W, Kiowa Co., KS.

License Number: 15-097-21680-0000

Region: Greensburg SW

Spud Date: 1/8/2011

Drilling Completed:

Surface Coordinates: 614' FSL & 335' FEL, Sec. 28-T27S-R18W

Bottom Hole Coordinates: Same as above

Ground Elevation (ft): 2,183'

K.B. Elevation (ft): 2,192'

Logged Interval (ft): 3,750' To: TD.

Total Depth (ft):

Formation:

Type of Drilling Fluid: Freshwater/Gel to 3,151'; Chemical Gel to TD.

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Strata Exploration, Inc.

Address: P.O. Box 401
Fairfield, IL. 62837-0401

GEOLOGIST

Name: James R. Hall & Jon D. Christensen

Company: Consulting Petroleum Geologist

Address: 9002 W. Silver Hollow St.
Wichita, KS. 67205-8856

Cores

None Taken

DSTs

DST #1 Lansing A 4,190' - 4,208' (18' anchor), 15-45-30-60, IH 2106, IF 17-23 (weak 1/4"), ISI 1268, FF 29-30 (weak 1/4"), FSI 986, FH 2028, Rec: 5' somcw (1%o, 65%w, 34%m), BHT 111 F, Rwa 0.40 @ 31 F, Chl 42,000, mud 5,00

Comments

1/8/11 MIRU Sterling Drilling Co. Rig #4, Spud at PM.; 1/9/11 TD. 518' -

Set 8 5/8"(23#) Surface Casing at 517' w/250 sx/(Basic Energy Services). Cement Did Circulate. PD. AM. 1/9/11

Surveys: 0.5 Degree at 518'(Surface Casing);

NOTE: James R. Hall served as Wellsite Geologist from ' to '. Jon D. Christensen assumed the Wellsite Geological duties from ' on to Total Depth

ROCK TYPES

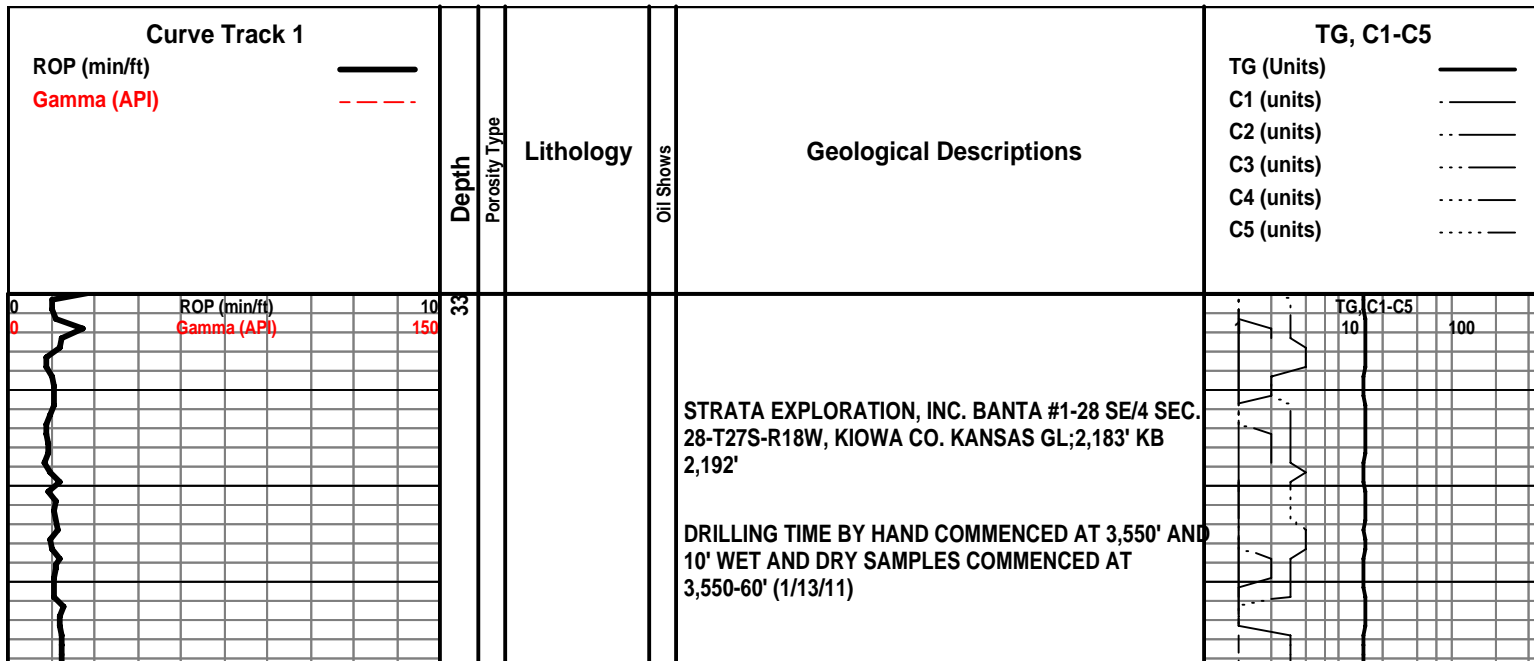
	Anhy		Coal		Lmst		Shcol
	Bent		Congl		Meta		Shgy
	Brec		Dol		Mrlst		Sltst
	Cht		Gyp		Salt		Ss
	Clyst		Igne		Shale		Till

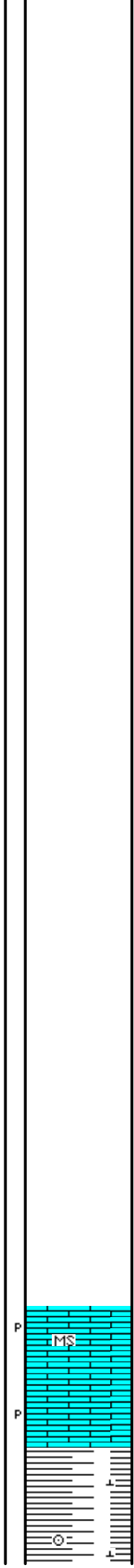
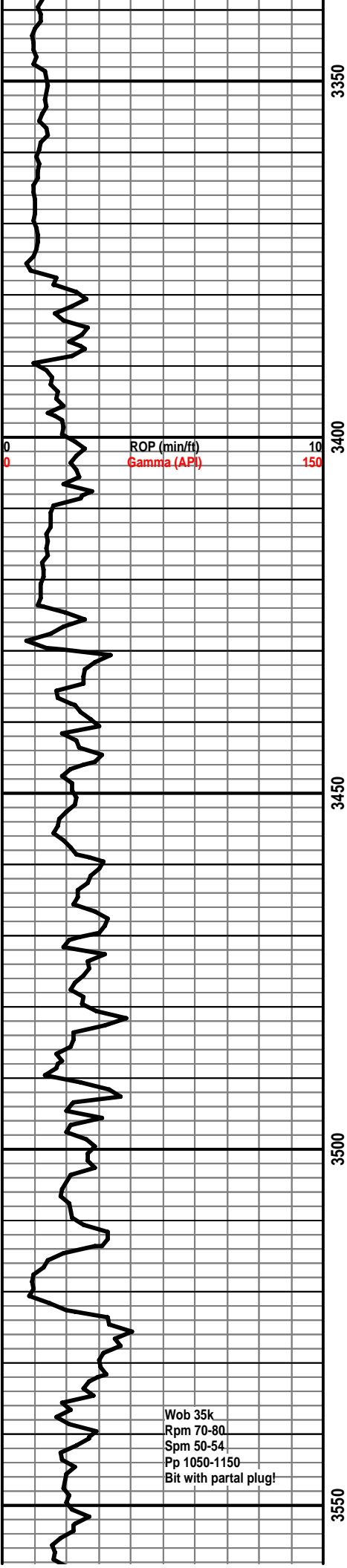
ACCESSORIES

MINERAL		Minxl		Crin		Gyp	
	Anhy		Nodule		Echin		Ls
	Arggrn		Phos		Fish		Mrst
	Arg		Pyr		Foram		Sltstrg
	Bent		Salt		Fossil		Ssstrg
	Bit		Sandy		Gastro	TEXTURE	
	Brecfrag		Silt		Oolite		Boundst
	Calc		Sil		Ostra		Chalky
	Carb		Sulphur		Pelec		Cryxln
	Chtdk	FOSIL			Pellet		Earthy
	Chtlt		Algae		Pisolite		Finexln
	Dol		Amph		Plant		Grainst
	Feldspar		Belm		Strom		Lithogr
	Ferrpel		Bioclst	STRINGER			Microxln
	Ferr		Brach		Anhy		Mudst
	Glau		Bryozoa		Bent		Packst
	Gyp		Cephal		Coal		Wackest
	Hvymn		Coral		Dol		
	Kaol						
	Marl						

OTHER SYMBOLS

POROSITY		Earthy		Angular	INTERVAL		Core	
	Fenest	SORTING		Well		Dst		
	Fracture		Moderate	OIL SHOW		Even		
	Inter		Poor		Spotted			
	Moldic	ROUNDING		Rounded		Ques		
	Organic		Subrnd		Dead			
	Pinpoint		Subang			EVENT		Rft
	Vuggy						Sidewall	

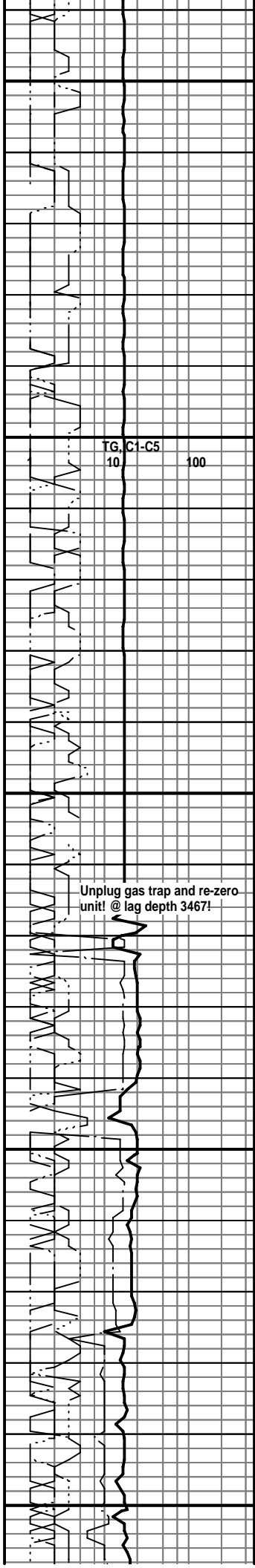




Stotler 3377 (-1203)

ROP (min/ft)
Gamma (API)

10
150



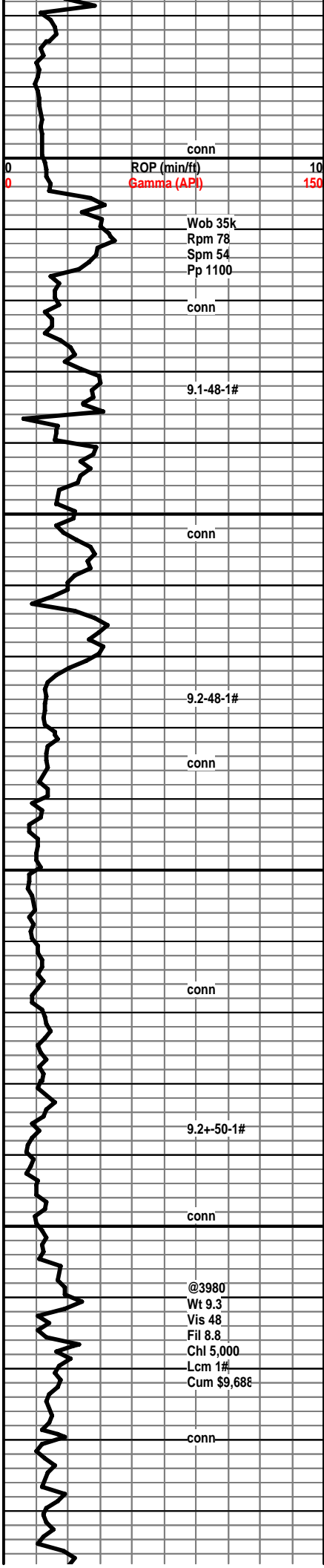
TG, C1-C5
10 100

Unplug gas trap and re-zero unit! @ lag depth 3467!

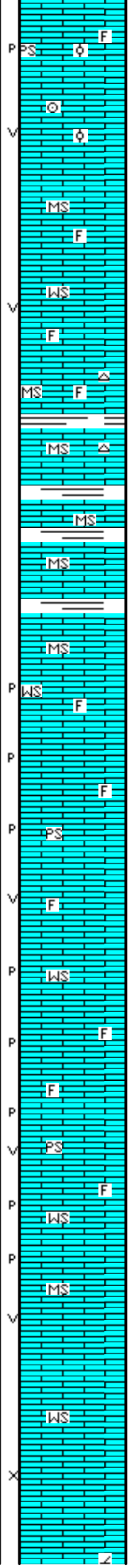
Wob 35k
Rpm 70-80
Spm 50-54
Pp 1050-1150
Bit with partial plug!

Mudstone; cream-buff to light gray, hard, most microcrystalline, some scattered fossiliferous wackestone in sample, no show, rare barren porosity in dry sample only-no stain.

Scale: increase in % of gray to dark gray, soft to firm



3800
3850
3900
3950



As above; some have a very fine crystalline look, most with a chalky looking matrix, fossiliferous to sub oolitic look, rare crinoid stem, no show, mineral fluorescence only.

Mudstone; slight increase in cream to buff, most hard, and microcrystalline, some with fossils in the matrix, no show.

Wackestone to packstone; cream to buff, fossiliferous hard to friable, most with chalky matrix, no show.

Mudstone; cream to buff, rare light gray, some with fossils, hard to soft, most microcrystalline to chalky, tight, influx free fresh gray to off white chert here.

Increase in very colored shale here, gray, dark gray, green, red-brown-cave?

Mudstone; as above, no real change here, loss of free chert.

Wackestone; cream to buff, occasionally off white, hard to firm, microcrystalline to chalky, fossiliferous, some with secondary minerals, no show, barren pinpoint porosity visible in the dry sample.

Packstone; cream to buff, fossiliferous, to very fine crystalline-sucrosic look, hard, microcrystalline to chalky, no visible show, mineral fluorescence only, barren porosity as above.

Increase in chalky Wackestone; most chalky texture, rare brown-fossiliferous, hard to firm, some chalky-soft, no visible show, scattered barren porosity in the dry sample-no stain.

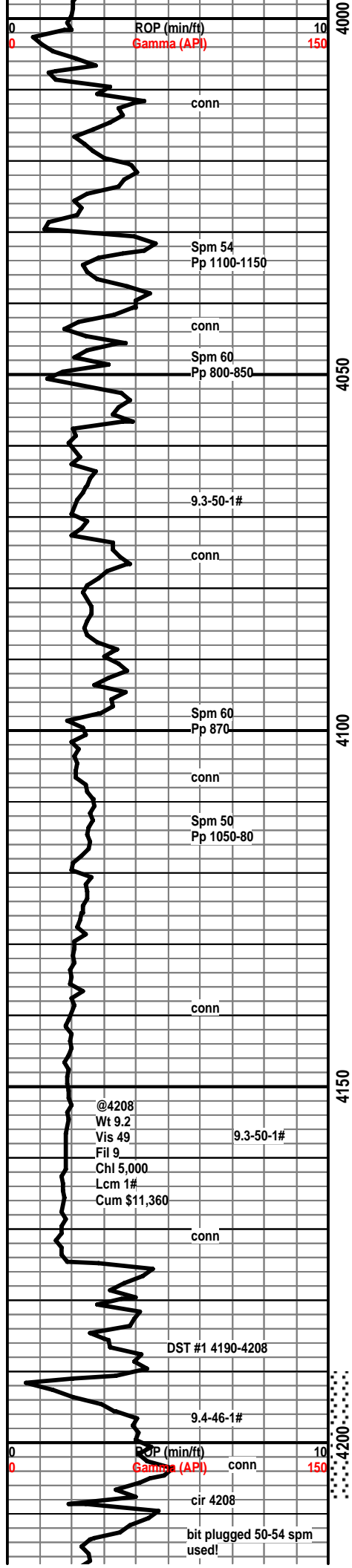
Packstone; cream to buff, hard to brittle, some chalky-friable, some with mineral inclusions, microcrystalline to chalky texture, some with sucrosic look, no visible show, scattered pinpoint to small vuggy porosity in the dry sample, no stain.

Mudstone; increase off white to white chalky very soft mixed with cream fossiliferous wackestone, no show, dry sample has visible pinpoint and vuggy porosity from chalky to very fine crystalline, no stain.

Wackestone; increase in cream, hard to firm, very fine crystalline, mixed with soft chalky off white to white mudstone, no show, scattered pinpoint and vuggy barren porosity in the dry sample.

Most as above; rare spotty brown stain on cream very fine crystalline looking wackestone, no cut, mineral fluorescence only





Shale; slight increase in gray and traces of black, no visible gas bubbles

Mudstone; cream to light tan, microcrystalline to very fine crystalline, increase in off white, firm to soft, chalky, to light gray with depth.

Heebner 4026 (-1834)
Shale; black, carbonaceous, rare very hard with rare gas bubbles.

Toronto 4038 (-1846)
Mudstone; cream to buff, some light tan, microcrystalline to fine crystalline, hard to friable, very dull mineral fluorescence, scattered stain-no cut, some dolomitic, traces intercrystalline porosity, no show, some fossiliferous.

Douglas 4058 (-1866)
Mudstone; small influx gray, hard, microcrystalline, tight.

Mudstone; influx, brown, hard, microcrystalline, occasionally cryptocrystalline, tight.

Shale; mostly gray, dark gray, soft, firm, rare pyrite.

Mudstone; cream to buff, tan to brown, microcrystalline to cryptocrystalline, tight, rare pyrite.

Shale; gray, gray-green, to black, soft to firm, some arenaceous, rare argillaceous very fine well sorted, poorly consolidated sand, and siltstone.

Shale; gray, brown, soft to firm, earthy to silky, rare free orange quartz.

Shale; influx gray, most soft-earthy, some micaceous, traces gray to light gray siltstone, some micaceous, some shale arenaceous.

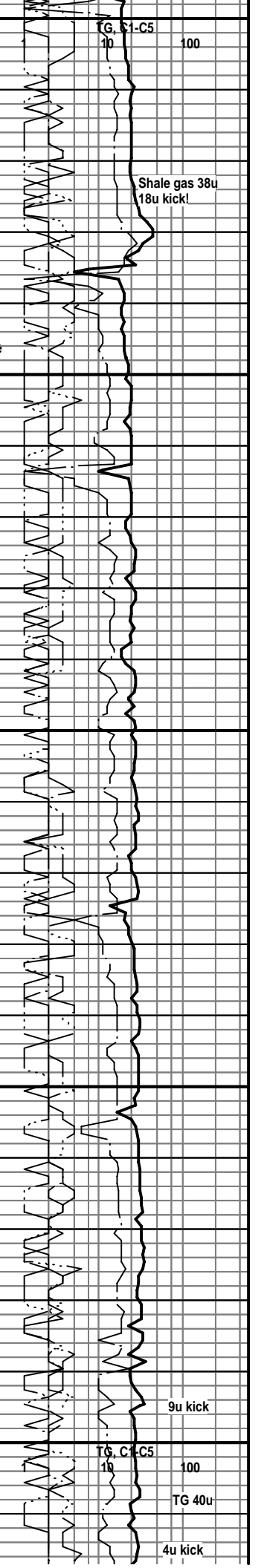
Shale; as above, some dolomitic, less siltstone with depth.

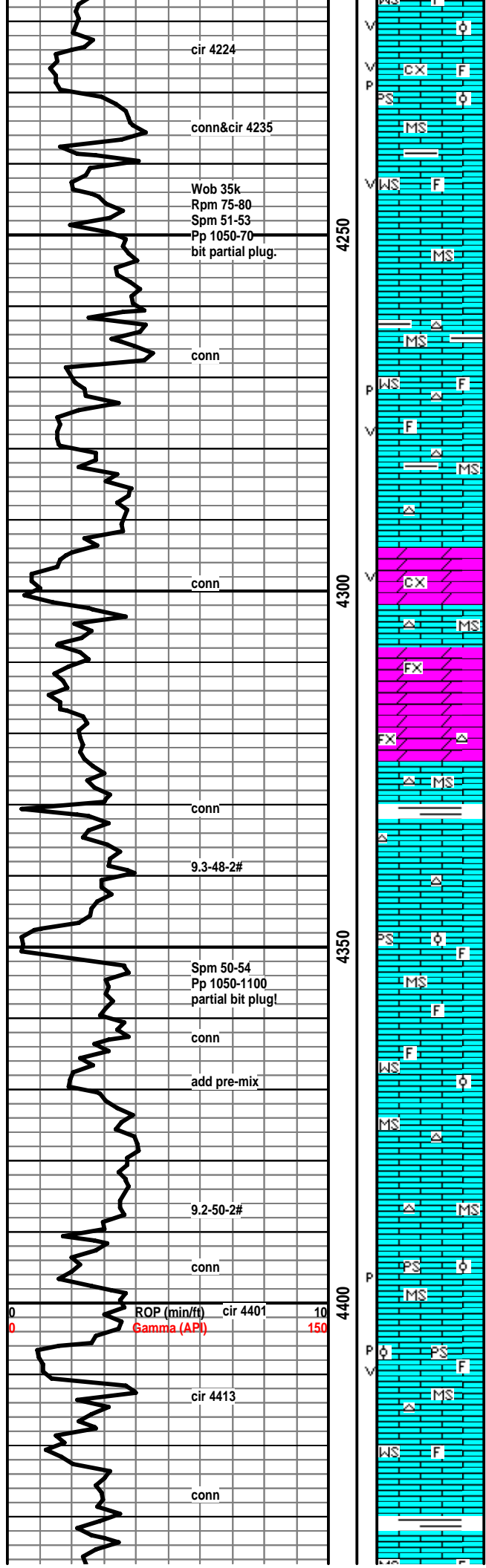
Packstone; off white, firm to hard, microcrystalline, fossiliferous to rare oolitic, some with crystalline look, tight looking in the wet. no cut on very dull gold Brown Lime 4176 (-1984),il, no odor.

Mudstone; brown, hard, silky, cryptocrystalline, fossil inclusions.

Lansing A 4187 (-1995)
Packstone; tan oomoldic to oolitic, off white oolitic to oomoldic, fine to medium, dull gold fluorescence, two samples in the 40min with bright fluorescence and instant cut, no visible oil, very faint odor, most looks barren and tight, no visible stain in dry sample.

Lansing B 2410 (-2018)
Wackestone; cream to off white, fossiliferous to sub





oolitic, most chalky matrix, soft to firm, some microcrystalline matrix, no visible show in wet, barren porosity in the dry, no odor.

Packstone; off white, hard to firm, fossiliferous to crystalline, rare oolitic, tight looking microcrystalline matrix in the wet, no cut on very dull gold fluorescence, no odor, barren pinpoint and small vuggy porosity in the dry, no show.

Mudstone; off white to gray, hard, microcrystalline to chalky, some free weathered orange quartz.

Mudstone; as above, some brown here, microcrystalline, tight looking, increase in gray shale here-cave?

Mudstone, to fossiliferous wackestone; cream, tan, hard, microcrystalline, most tight looking in wet, scattered barren porosity in the dry, traces free gray chert here.

Mudstone; increase in brown and gray, hard to very hard, microcrystalline to cryptocrystalline, tight, no show or visible porosity in wet.

Dolomite; off white, hard, crystalline, no visible show, scattered barren porosity

Mudstone; cream, occasionally brown, microcrystalline to cryptocrystalline, no show.

Dolomite; most off white as above, some cream to light tan-sucrosic, hard to firm, no show in wet sample

Mudstone; cream to tan, and off white, hard, microcrystalline to cryptocrystalline, some soft chalky dull to silky texture, no show, occasionally fossiliferous, free fresh white to off white chert.

Packstone; off white, firm, fossiliferous to oolitic, microcrystalline to chalky looking matrix, no show in wet.

Mudstone; cream-tan, off white, some fossiliferous, dull mineral fluorescence, no cut, no show.

Wackestone; fossiliferous to oolitic, hard, microcrystalline to chalky, no show.

Mudstone; cream to tan, microcrystalline to chalky, hard to soft, some fossils in matrix, rare free fresh chert.

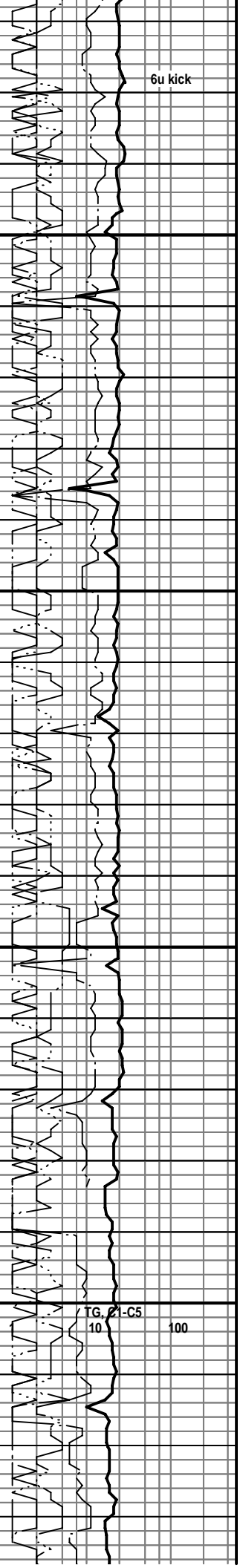
K/C "I" 4393 (-2201)

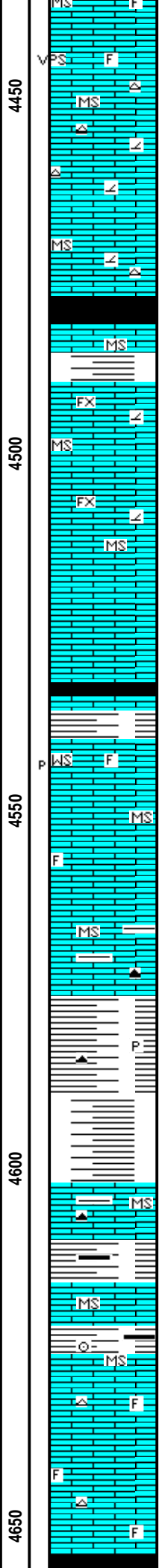
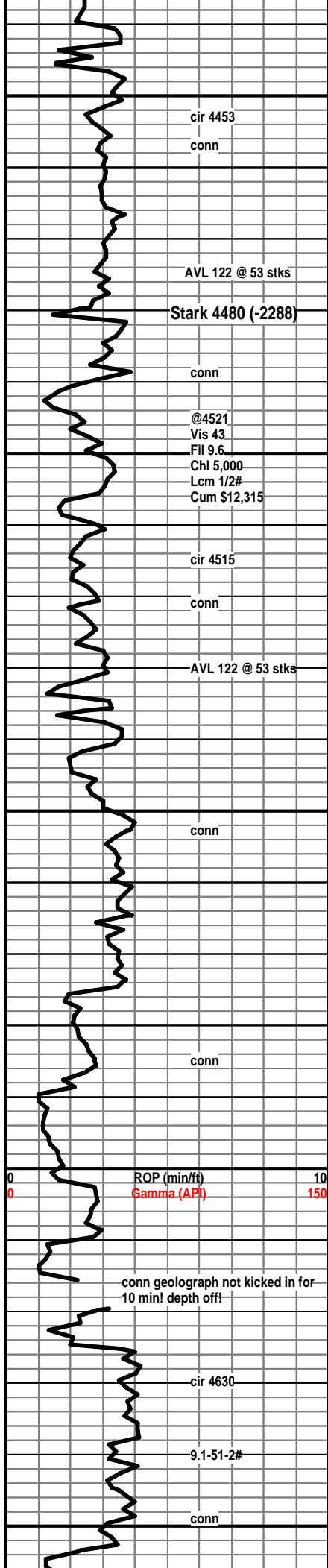
Packstone; cream to tan, rare light brown, most hard, microcrystalline to cryptocrystalline matrix, tight looking in wet, dull mineral fluorescence only, rare barren porosity in the dry.

Packstone; off white, tan to cream, hard-microcrystalline, friable-chalky, fossiliferous to small oolites, rare fluorescence-no cut, no show, barren porosity in dry sample.

K/C "J" 4432 (-2240)

Mudstone; cream to occasionally brown, some off white hard microcrystalline, some cryptocrystalline, some





Packstone; off white to cream, microcrystalline to chalky matrix, fossiliferous, no show, rare visible barren porosity.

Mudstone; cream to rare brown, hard to brittle microcrystalline, some chalky and soft, some slightly dolomitic, trace white free chert.

Mudstone; most as above, influx, gray, hard to very hard, dolomitic lime, gritty texture, no show, trace free white chert.

Shale; black hard, gassy.

Swope 4489 (-2297)

Mudstone; off white to cream, hard to brittle, chalky to very fine crystalline texture, rare dolomitic lime, brith fluorecence, no cut, no odor, no oil show, no visible porosity when dry.

Mudstone; more cream, ot buff rare brown, microcrystalline to cryptocrystalline, some chalky here, no show, scattered bright mineral fluorecence, no cut, no show in wet, no odor

Hush. Shale 4532 (-2340)

Shale; black, carbonaceous, some gassy.

Hertha 4540 (-2348)

Wackestone; fossiliferous, most cream, chalky matrix, occasionally microcrystalline, no show in wet, mineral fluorecence only, rare barren porosity in the dry.

Mudstone; buff-gray, tan, hard, microcrystalline, some cryptocrystalline, tight, some fossiliferous, increase in silky texture, dense.

Mudstone; increase in brown to tan, hard, most silky luster, microcrystalline to cryptocrystalline, dense, rare black to dark gray free chert.

B/KC 4576 (-2384)

Shale; large influx gray, dark gray and black gassy shales, traces free black chert, rare free pyrite.

Shale; increase in gray-green to dull green waxy shales here.

Pleasanton 4602 (-2410)

Mudstone; brown, tan, hard, blocky, microcrystalline to cryptocrystalline, dense.

Shale; increase in gray and black.

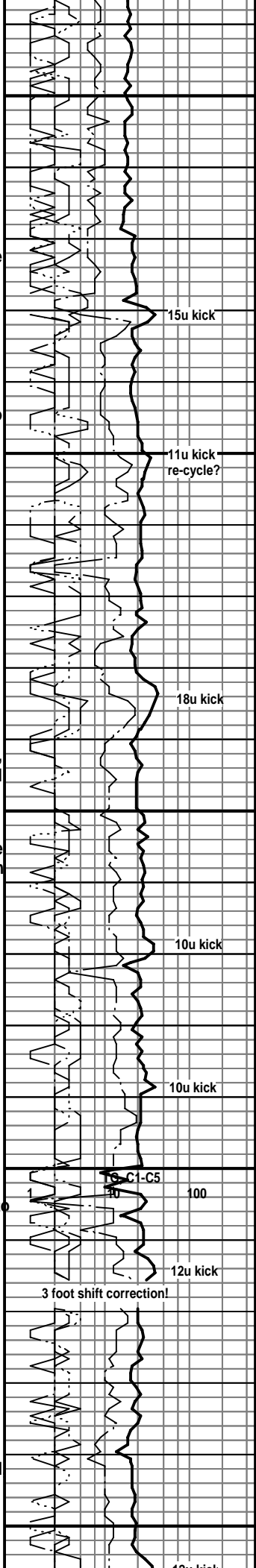
Shale; as above.

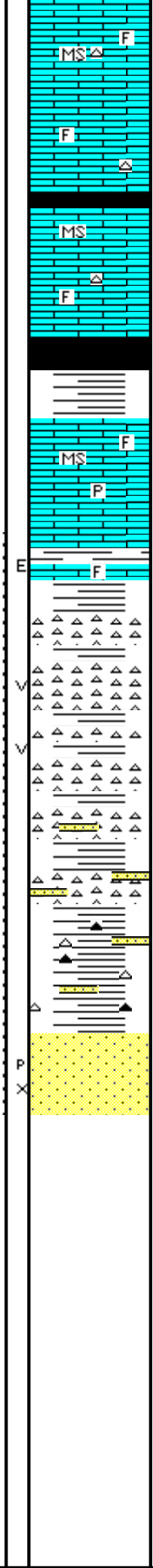
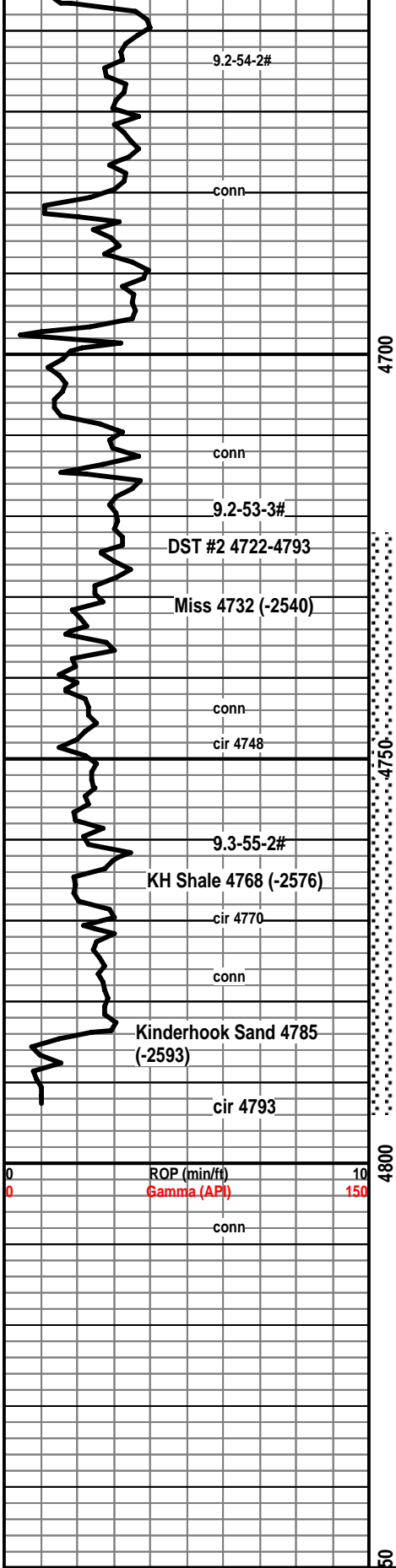
Marmaton 4627 (-2435)

Mudstone; tan to pale green, hard, silky to dull, microcrystalline to cryptocrystalline, no show.

Mudstone; cream to tan and light brown, microcrystalline to cryptocry., silky to dull luster, hard tight, trace free tan chert, no show, some fossils in tight looking matrix

Shale; black carbonaceous, gassy some with clear mineral laminations





Pawnee 4658 (-2466)
 Mudstone; cream to buff, some light tan, hard, microcrystalline, to cryptocrystalline, tight, rare mineral flour., no cut, some fossiliferous.

Mudstone; as above, 1 piece with black stain on edge, dull fluorescence, slow milky cut, no odor, no visible oil.

Shale; black gassy, carbonaceous

Mudstone; cream-buff, tan, microcrystalline some cryptocrystalline, hard, some fossils in tight looking matrix, no show, scattered flour. no cut!

Cherokee 4697 (-2505)
 Shale; gray, gray-green, pale green.

Mudstone; cream-buff, to tan, hard, microcrystalline, occasionally cryptocrystalline, to chalky, some fossiliferous, tight looking in wet, no cut on scattered fluorescence, no odor, rare pyrite

Mudstone; as above, most chalky to microcrystalline, scattered bright fluorescence, some no cut, trace with black stain on edges, slow milky cut, no odor, no free oil.

Increase in shale with depth, also influx, very colored fresh chert, some mottled, orange and green, rare fresh chert with weathered edges-black tarry stain-no cut, no odor.

Chert; very colored, most fresh, traces with weathered edges-black stain, slow milky cut, some with barren vuggy porosity on sample edge, trace pale green argill sand, very fine to fine grained, very well consolidated to poorly consolidated, one sample with black stain, milky cut, no sample odor, no free oil. Shale very colored, some sea green-waxy.

Shale; very colored, earthy to waxy, traces clear and pale green sand, rare stain, with stain, one sample with brown oil stain, instant cut, no odor.

Sandstone; clear to off white, some mottled very pale green, fine grained, well sorted, well consolidated to consolidated, very well sorted, rounded, most with even brown stain, dull yellow fluorescence, instant cut, rare cluster with black even stain, visible bleeding brown oil and gas, trace free oil in tray, fair odor, visible inter granular very small pinpoint porosity in the dry.

DST #1 Lansing A 4,190' - 4,208' (18' anchor),
 15-45-30-60, IH 2106, IF 17-23 (weak 1/4"), ISI 1268, FF 29-30 (weak 1/4"), FSI 986, FH 2028, Rec: 5' somcw (1%o, 65%w, 34%m), BHT 111 F, Rwa 0.40 @ 31 F, Chl 42,000, mud 5,000.

