

# LITHOLOGY STRIP LOG

## WellSight Systems

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

Well Name: VINCENT OIL CORP.

Well Id: REYNOLDS #2-33

Location: NW NE SW SE SEC. 33, T 28S, R 23W, FORD CO. KANSAS

License Number: 15-057-20938-00-00

Region: Mulberry Creek

Spud Date: August 21th, 2014

Drilling Completed: August 30th, 2014

Surface Coordinates: 1,050' FSL, 1,965' FEL

### Bottom Hole

#### Coordinates:

Ground Elevation (ft): 2,514'

K.B. Elevation (ft): 2,524'

Logged Interval (ft): 4,150' To: 5,318'

Total Depth (ft): 5,318'

Formation: Mississippi

Type of Drilling Fluid: NATIVE MUD TO 3,780'. CHEMICAL GEL TO RTD

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

### OPERATOR

Company: VINCENT OIL CORP.

Address: 155 N. MARKET STE 700

WICHITA, KANSAS 67202-1821

OFFICE; 316-262-3573

### GEOLOGIST

Name: Jame R. Hall Well Site Supervision

Company: Black Gold Petroleum

Address: 5530 N. Sedgwick

Wichita, Kansas 67204-1828

316-838-2574, 316-217-1223

## Comments

Drilling contractor: Val Energy, Rig #2, Tool Pusher: Rick Smith.

Surface Casing: 8 5/8" set at 600' w/250sx, cement.

### Daily Activity:

8/21/14; Move on and spud.

8/22/14; Drilling 12 1/4" hole at 442'. Drilled 12 1/4" hole to 606' and set 8 5/8" casing at 600'.

8/23/14; Drilling 7 7/8" hole at 1,090'.

8/24/14; Drilling at 2,612'.

8/25/14; Drilling at 3,391'.

8/26/14; Drilling at 4,160'.

8/27/14; Drilling at 4,833'.

8/28/14; Drilling at 5,167', commenced DST #1 (Lower Penn.) prior to test drop survey (1/2deg.), and strap pipe (2.21') short to the board.

8/29/14; Tripping in after DST #1 (Lower Penn.) at 5,194'. Extra time taken during trip in hole due to plugged bit, extra trip out to unplug bit, prior to tripping back to bottom.

8/30/14; Tripping out with test tools, finishing DST #2 at 5,237', then drilled ahead to RTD (5,318').

8/31/14; Ran Open Hole Logs. P&A well after review of Logs and DST results.

Deviation Surveys: 0.75 deg. @ 606', 0.50 deg. @ 5,194'.

### Bit Record:

#1 12 1/4" out @ 606'.

#2 7 7/8" JZ HA20Q in @ 606', out @ 5,194', made 4,588' in 112.5 hrs.

#3 7 7/8" JZ RR HA30 in @ 5,194', out @ 5,318', made 124' in 5.75 hrs.

Drilling time commenced: @ 4,150'. Maximum 10' wet and dry samples commenced: @ 4,200' to RTD. Samples delivered to Kansas Geological Sample Library at Wichita, Kansas.

Gas Detector: Blue Stem unit #0779. Digital Unit, (commenced @ 4,150').

Mud System: Mud-Co/Service Mud. Chemical Gel system @ 3,780', Mud Engineer: Justen Whitin (Dodge City Office).

Open Hole Logs: Nabors Completion & Production Services Co. Hays, Kansas,

Logging Engineer: Rupp.

DIL, CDL/CNL/PE, SONIC.

Sample tops are placed on this strip log, with the reference wells "A" Vincent Oil Corp. Frink-Reynolds #1-33, 2,660' FNL, 2,310' FEL, 33-28S-23W, and "B" Vincent Oil Corp. Swonger #1-4, 350' FNL, 1,255' FEL 4-29S-23W. With E-log tops datum differences shown.

## DSTs

DST #1 (Lower Penn) 5,109' - 5,194' (85'), 30-60-13-30, IH 2590, IF 21-25 (weak surface building to 1/2inch, then back to 1/4inch), ISI 136 (no blow), FF 29-32 (dead, flush tool, dead), FSI 55 (no blow), FH 2551, Rec; 30' mud (100% mud), BHT 116F.

DST #2 (Miss.) 5,154' - 5,237' (83'), 30-60-45-90, IH 2596, IF 49-54 (3inch blow in lmin, then died back to 4.25inch blow), ISI 410 (no blow), FF 57-102 (dead, flush tool-good surge, 5inch blow died to 4inches by 42min), FSI 319 (no blow), FH 2532, Rec; 170' mud (slight gassy odor in tool), BHT 114F.

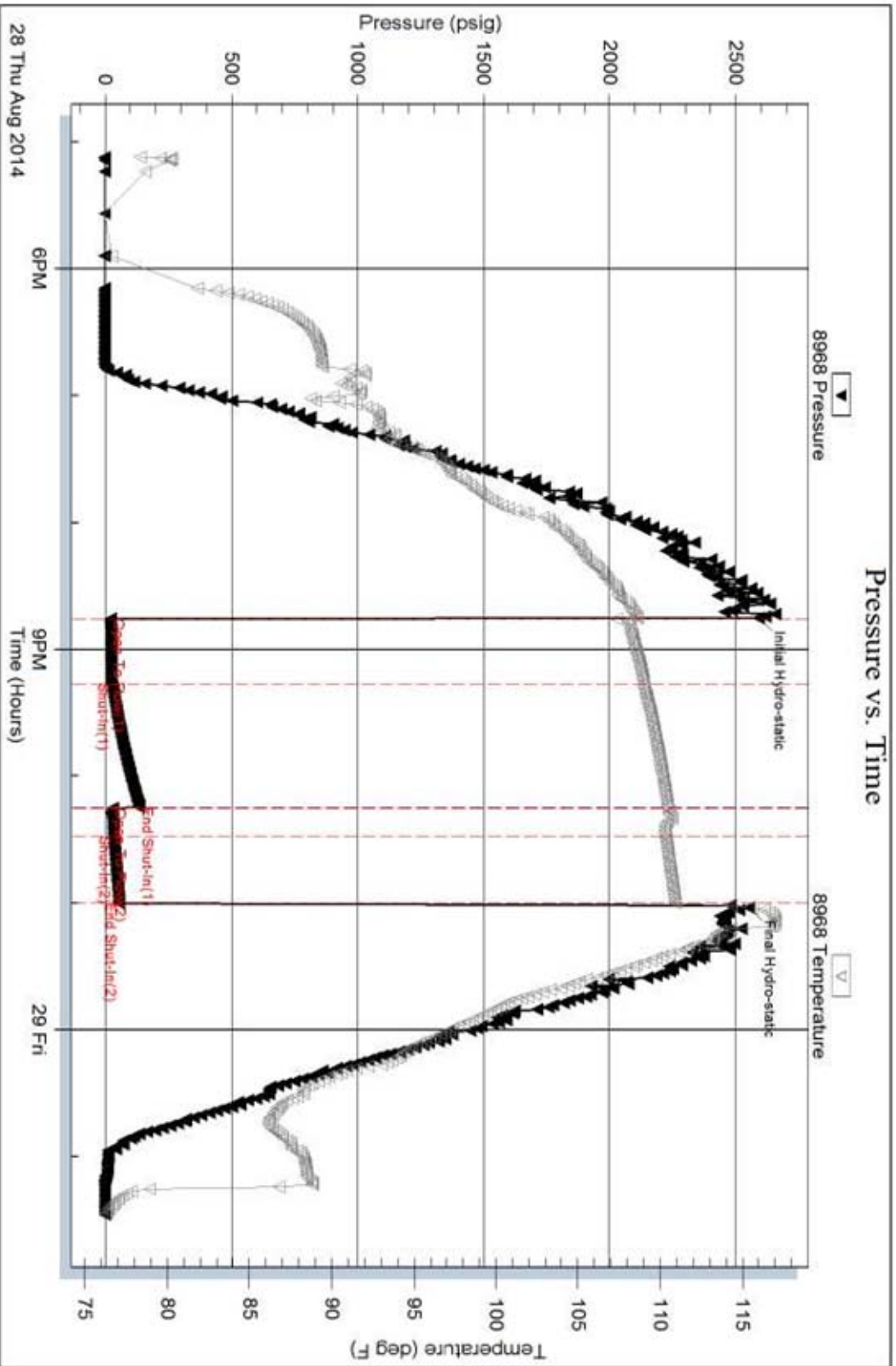
Serial #: 8968

Outside Vincent Oil Corporation

Reynolds #2-33

DST Test Number: 1

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 56563

Printed: 2014.08.29 @ 06:03:49

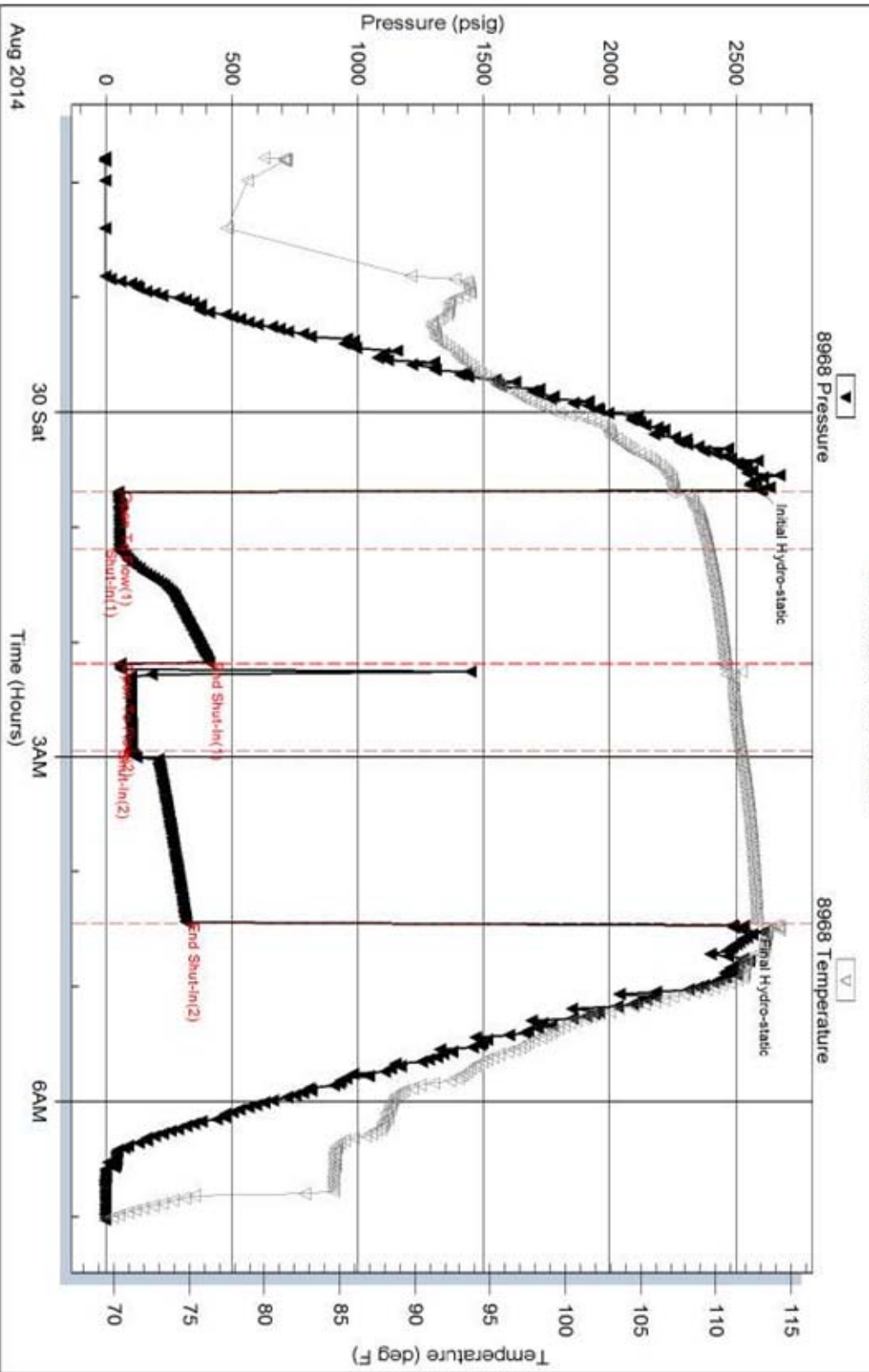
Serial #: 8968

Outside Vincent Oil Corporation

Reynolds #2-33

DST Test Number: 2

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 56564

Printed: 2014.08.30 @ 12:14:47

**WELL SITE OPERATIONS / JIM HALL SUPERVISOR**

**OPERATOR:**

Vincent Oil Corp.

**WELL REFERENCE SHEET**

**SUBJECT WELL:**

Reynolds #2-33

**SUBJECT WELL LOCATION:**

NW NE SW SE Sec. 33' T28S, R23W, Ford Co. Ks.

**SUBJECT WELL DATUM:**

**2,524**

**REF. WELL 'A'** Vincent Frink-Reynolds 1-33, 33-28S-23W **DATUM:** **2,489**

**REF. WELL 'B'** Vincent Swonger 1-4, 4-29S-23W **DATUM:** **2,556**

**E-LOG TOPS**

**SUBJECT WELL:  
ZONE**

**WELL 'A'**

**WELL 'B'**

	<b>DEPTH</b>	<b>DATUM</b>	<b>DEPTH</b>	<b>DATUM</b>	<b>REF.</b>	<b>DEPTH</b>	<b>DATUM</b>	<b>REF.</b>
HEEB.	4,333	-1,809	4,288	-1,799	-10	4,360	-1,804	-5
Brown Ls.	4,468	-1,944	4,423	-1,934	-10	4,495	-1,939	-5
Lansing	4,480	-1,956	4,433	-1,944	-12	4,505	-1,949	-7
Stark Sh	4,822	-2,298	4,778	-2,289	-9	4,844	-2,288	-10
Hushp. Sh	4,858	-2,334	4,815	-2,326	-8	4,878	-2,322	-12
Marmaton	4,957	-2,433	4,912	-2,423	-10	4,988	-2,432	-1
PAWNEE	5,036	-2,512	4,991	-2,502	-10	5,057	-2,501	-11
Labette	5,060	-2,536	5,016	-2,527	-9	5,081	-2,525	-11
CKE Sh	5,081	-2,557	5,039	-2,550	-7	5,102	-2,546	-11
2nd CKE	5,120	-2,596	5,068	-2,579	-17	5,142	-2,586	-10
B/Penn.	5,198	-2,674	5,136	-2,647	-27	5,210	-2,654	-20
SAND #1								
Chert Cg.								
MISS.	5,258	-2,734	5,158	-2,669	-65	5,235	-2,679	-55
1st Por.	5,260	-2,736	5,163	-2,674	-61	5,240	-2,684	-51

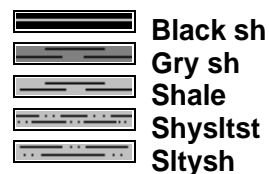
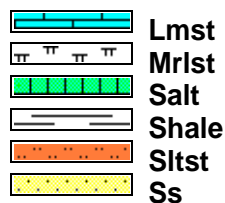
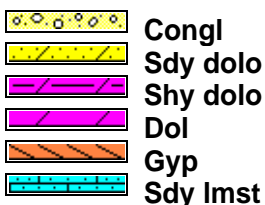
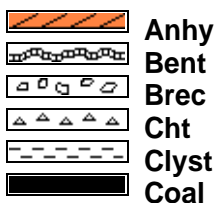
## Qualifiers

### CARBONATE CLASSIFICATION:

**AFTER DUNHAM:** GRAIN; any fossil, fossil fragment, sand grain, or other rock fragment within the rock. **MUDSTONE;** muddy carbonate rocks containing less than 10% grains. **WACKESTONE;** mud supported carbonate rocks with more than 10% grains. **PACKSTONE;** grain supported muddy carbonate rocks. **GRAINSTONE;** mud free carbonate rock, grain supported. **BOUNDSTONE;** carbonate rock bound together at deposition (coral, etc.). **CRYSTALLINE CARBONATE;** carbonate rock retaining to little of their depositional texture to be classified.

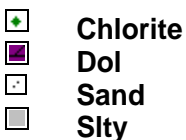
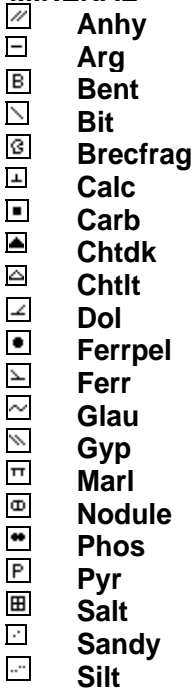
Qualifiers; (Fossils, Minerals, Shows, Porosity, etc.) rare = less than 1% of sample total, trace = less than 5% of sample total, greater than 5% an estimate of total percentage.

### ROCK TYPES

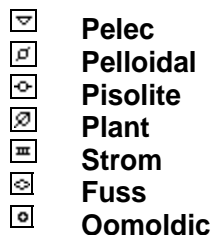


### ACCESSORIES

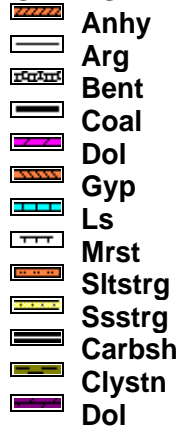
#### MINERAL



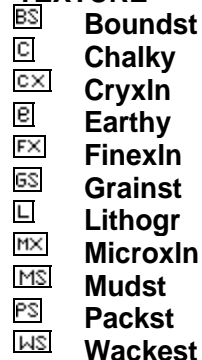
#### FOSSIL



#### STRINGER



#### TEXTURE



Curve Track 1

ROP (min/ft) ———  
 Gamma (API) - - - -  
 Caliper (API) ·····

TG, C1-C5

TG (units) ———  
 C1 (units) - - - -  
 C2 (units) - - - -  
 C3 (units) ·····  
 C4 (units) ·····  
 C5 (units) ·····

Depth

Porosity Type

Lithology

Oil Shows

Geological Descriptions

0 ROP (min/ft) 10  
 0 Gamma (API) 150  
 6 Caliper (API) 16

41

0 TG 50

4150

Jim Hall on Location @ 11:00hrs.  
 8/26/14 (4,307').

0 ROP (min/ft) 10  
 0 Gamma (API) 150  
 6 Caliper (API) 16

4200

0 TG 50

conn

Wackestone to Packstone; cream to tan, most brittle, micro-oolitic, rare free chert, no show, barren porosity in the dry sample.

Wob 42  
 Rpm 70  
 Spm 56  
 Pp 1000

conn

Mudstone; tan to cream, chalky, brittle to some off white soft, rare free light chert and light gray chert, some fossiliferous, no show.

Wackestone to Packstone; cream to tan, chalky, most brittle, some soft-friable, micro-oolitic, to micro-fossiliferous, rare free crinoid stem, barren porosity, trace dull yellow mineral fluorescence-no cut, no live show.

4250

conn

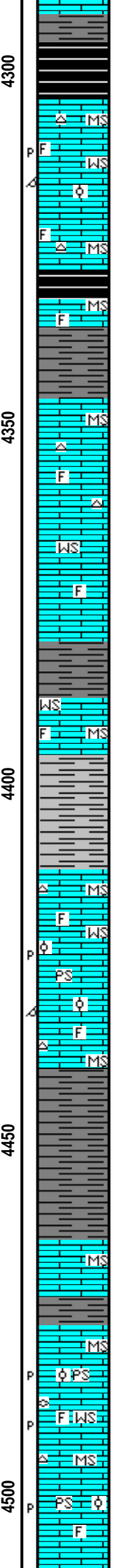
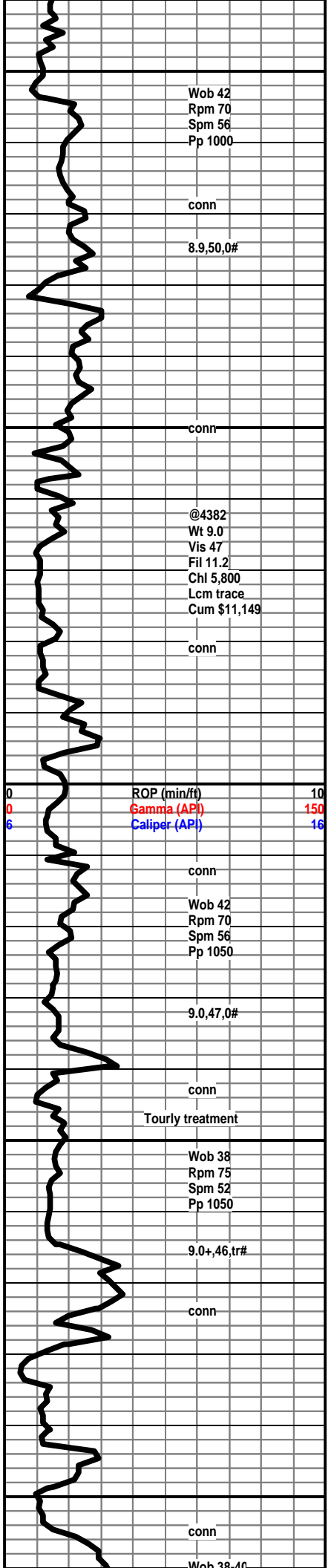
Wackestone to Packstone; cream to tan, most brittle, some soft - friable, most chalky dull matrix, micro-oolitic to micro-fossiliferous, visible barren porosity in the dry sample, barren-no stain, no live oil, no live show, mineral fluorescence only, rare free chert, rare free fusulinid.

Wackestone to Packstone as above, no show.

Mudstone; cream to off white, most chalky texture, hard to soft, rare dark gray chert.

Adjust Trap and Zero Gas Units!

Reliable Gas Readings



Shale; slight increase in gray, trace red-brown.

Shale; black, carbonaceous, some mottled dark brown, rare gas when broken.

Mudstone; cream to off white, hard to soft, some micro-fossiliferous, rare light gray free chert.

Wackestone; firm, no show, rare light gray chert as above, rare barren porosity, in the dry sample.

**Heebner 4328 (-1804) A -5 B even**

Shale; black, carbonaceous, most soft, rare gas when broken.

Mudstone; buff, hard, chalky, micro-foss.

Shale; most black as above, some gray to dark gray, most soft.

Mudstone; cream, some brown to tan, hard to brittle, most chalky, some silky texture-crystalline-dense, rare free light gray chert to bone white chert, no show.

Wackestone; cream to off white, hard to brittle, micro-fossiliferous, some with very fine crystalline texture, no show, looks dense in wet and dry samples.

Shale; gray to dark gray and black, most soft, tabular, some with carbonate looking laminations.

Mudstone to Wackestone; off white, hard to brittle, some silky crystalline looking, most chalky texture, micro-fossiliferous, yellow fluorescence-no cut, no show.

Shale; gray-green, soft, tabular, some hard.

Mudstone; off white, gray, chalky, hard, rare white free chert.

Wackestone to Packstone; off white to cream, some tan, rare fine oolitic, to micro-oolitic and micro-fossiliferous, yellow fluorescence and rare stain-no cut, no show wet, rare visible barren porosity.

Influx, Shale; gray, to dark gray, soft, earthy texture, most platy.

**Brown Lime 4464 (-1940) A -6 B -1**

Mudstone; most as above, rare brown-silky crystalline, dense

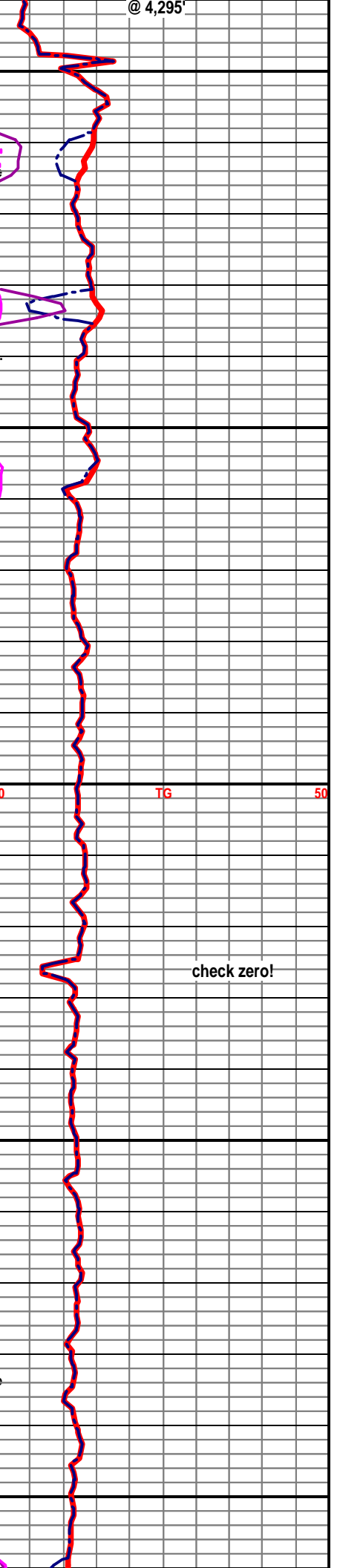
**Lansing 4475 (-1951) A -7 B -2**

Packstone to Wackestone; cream to off white, most hard, micro-oolitic, rare very fine oolitic, micro-fossiliferous, chalky matrix, rare secondary calcite, dull blue-white fluorescence, no show, rare fusulinid.

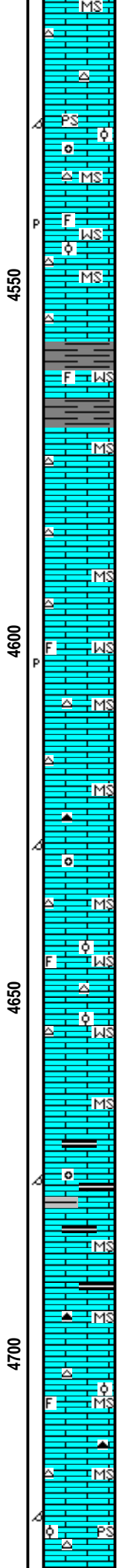
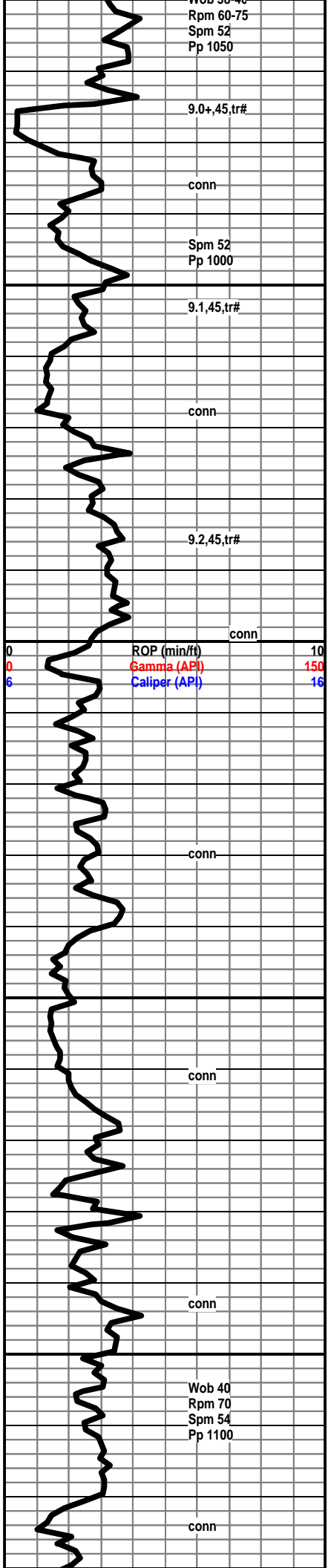
Mudstone; cream to tan, hard, chalky, dense, rare secondary calcite, mineral fluor. as above.

Packstone; as above, no show, no real change here.

Mudstone; cream to tan, hard, chalky to crystalline, dense, rare free white free chert.







free white fresh chert

Mudstone; as above, trace free white chert here

Packstone; cream to tan, hard to brittle, chalky to highly oomoldic silky-crystalline look, micro-oolitic to micro-fossiliferous, blue white fluorescence-no cut, no show.

Wackestone to Mudstone; cream to off white, hard to brittle, micro-oolitic, trace free white chert, no show from blue-white fluorescence, aa barren porosity.

Mudstone; cream to off white, chalky, some silky-crystalline, dense, free fresh white to off white and opaque chert.

Shale; influx, gray, dark gray, trace gray-green and black, most soft, platy to tabular.

Wackestone; as above, no show.

Mudstone; cream to tan, trace brown, most chalky, some silky-crystalline, dense, trace off white, to light gray and rare blocky blue-gray free fresh cherts.

Mudstone; as above, no real change here, rare free blocky light gray chert here.

Wackestone; micro-fossiliferous, micro-oolitic, cream to tan, rare barren porosity in the dry sample, no stain, no show.

Mudstone; cream to tan, some light gray, most chalky, hard, light gray free chert aa.

Mudstone; most as above, some brown, hard to brittle, dense looking wet and dry, rare light to dark free chert.

As above; trace tan, hard, crystalline Packstone; oomoldic, no show, cave?

Mudstone; cream to brown, chalky to crystalline, rare light gray free chert.

Wackestone; cream, hard, micro-fossiliferous, to micro-oolitic dense look in wet and dry no show.

Wackestone; cream to off white, hard, chalky to rare crystalline, some chalky-soft, micro-oolitic, no show, rare barren porosity in the dry, rare free light gray to opaque chert

Mudstone; light gray, hard, dense, chalky, trace black carbonaceous looking shale here.

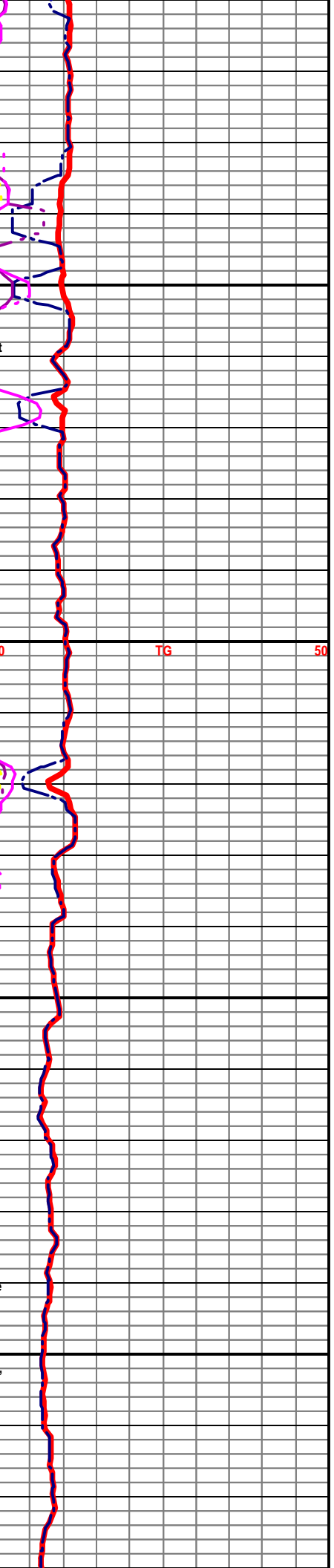
Mudstone; most as above, rare tan brittle, oomoldic Packstone, no show, cave?, 5% - 10% gray to black shales here.

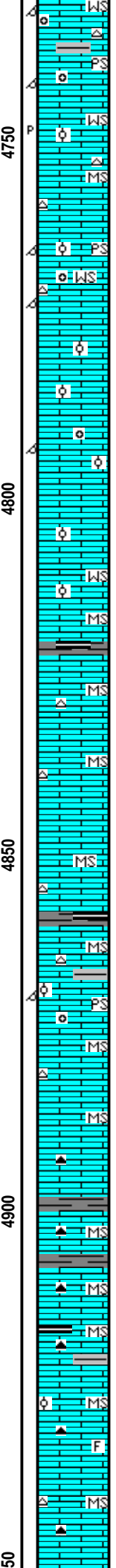
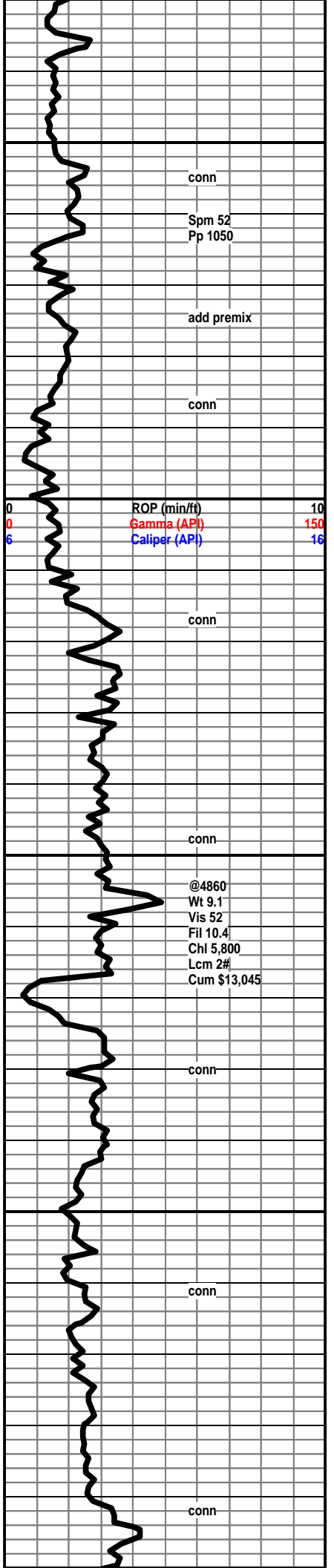
Mudstone; cream to brown, chalky, some silky-crystalline, rare dark gray blocky chert, rare black carbonaceous-gassy shale.

Mudstone; as above, Trace micro-oolitic to micro-fossiliferous, Wackestone; hard tight looking in wet, rare wormy stain-no show.

Mudstone; cream to brown, some off white, soft to hard, chalk to occasionally silky-crystalline, free light and dark chert, dull mineral fluorescence as above, no show in the wet.

Packstone to Wackestone; cream to off white, micro-oolitic to oomoldic, hard chalky to silky crystalline matrix, dull blue-white mineral fluorescence only, no show, rare orange





chert here.

Wackestone to Packstone; cream to light gray, hard to friable, micro-oolitic to micro-fossiliferous, trace oomoldic, no show, rare barren porosity in the dry sample, slight increase in gray shale.

Mudstone; cream to off white, brittle, some soft chalky, rare free chert.

Packstone to Wackestone; cream to off white, micro-oolitic, most with chalky matrix, rare free light gray chert, rare barren porosity in the dry.

As above; no show, trace dull yellow to white mineral fluorescence, no show.

Packstone to Wackestone; off white to tan-cream, micro-oolitic to vfoolitic, micro-fossiliferous, 5% oomoldic, most hard to brittle, crystalline to chalky matrix, no show in wet sample.

Wackestone; micro-oolitic, micro-fossiliferous, most hard to brittle, some with dark looking wormy stain on edges, no cut, no live show in the wet, no visible porosity in the wet.

**Stark Shale; 4820 (-2296) A -7 B -8**

Shale; rare soft black to gray, no visible gas bubbles.

Mudstone; brown to tan, crystalline-dense, cream to off white chalky, rare light gray free blocky chert.

Mudstone; off white to cream-brown, hard, crystalline to soft and chalky, rare free light gray and cream colored cherts, blocky to sharp.

**Hushp. Shale; 4958 (-2434) A -8 B -12**

Shale; rare dark gray and black in samples, no visible gas bubbles.

Packstone; cream to tan, hard, crystalline matrix, very fine oolitic to micro-oolitic, oomoldic, no visible show in wet sample, very dull mineral fluorescence only, rare fossiliferous chert.

Mudstone; cream, tan to brown, hard, chalky to silky-crystalline matrix, dense.

Mudstone; gray to brown, hard, crystalline to chalky, dense.

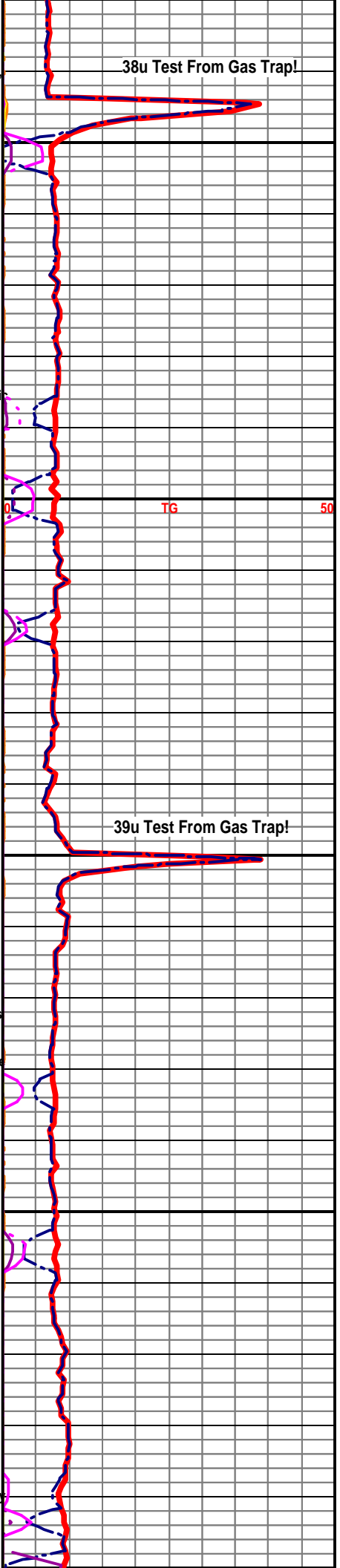
Mudstone; dark gray, gray, rare black free chert.

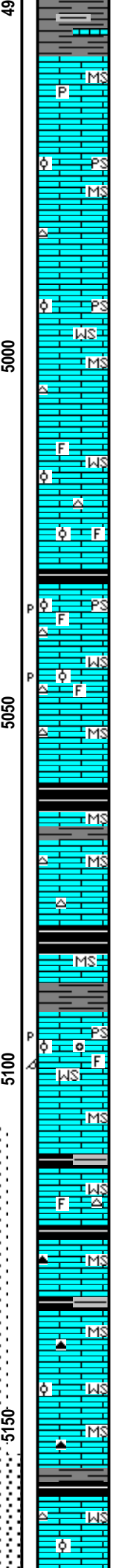
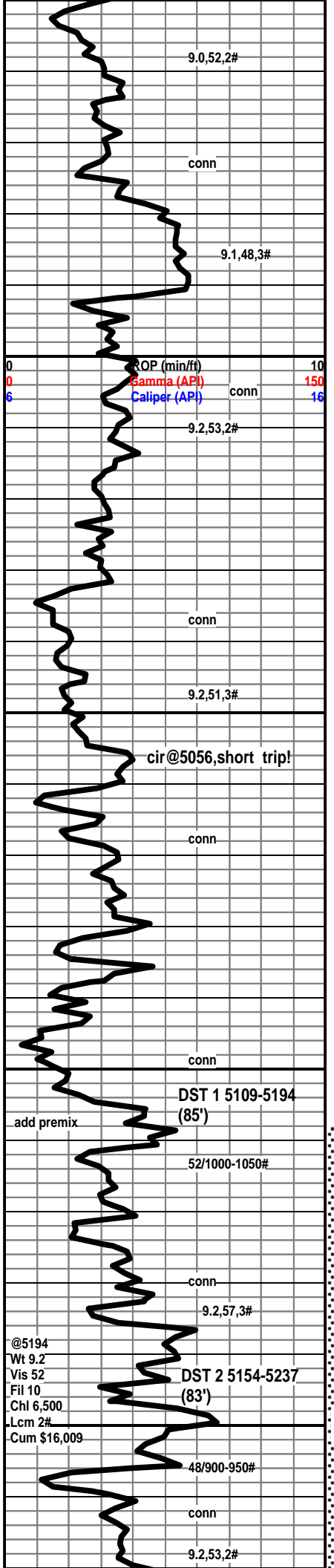
Mudstone; most as above, increase of black chert to approx. 5% of sample, increase in dark gray, to black shale, here.

Mudstone; increase in cream to brown, hard, crystalline to chalky, dense, chert and shale as above, rare black-carbonaceous gassy shale here-cave?

Mudstone; most as above, some micro-fossiliferous to micro-oolitic, chert as above, rare dark brown free sharp to blocky chert here.

Mudstone; cream-brown, gray, hard, chalky to crystalline-silky texture, rare dark brown fossiliferous chert here.





Shale; gray, dark gray, black, rare gray-green-clayston

**Marmaton 4958 (-2434) A -11 B -2**

Mudstone; cream - brown, chalky to crystalline, gray-chalky, hard to firm, less crystalline mudstone here, rare free pyrite.

Packstone; small influx, Off white, fine-oolitic to fine fossiliferous, chalky, tight looking in wet, no show.

Mudstone; cream to off white, most chalky, firm to soft, off white to light gray free chert here.

Packstone to Wackestone; trace off white, fine oolitic, chalky matrix, no cut or show on selected samples.

Mudstone; cream to off white, hard-friable, chalky, some Wackestone; micro-oolitic, off white no show.

Wackestone; off white, cream, micro-oolitic, to micro-fossiliferous, chalky, brittle to friable, no show or cut on selected samples, mineral fluorescence only.

**Pawnee 5032 (-2508) A -6 B -7**

Shale; rare dark gray to black, no visible gas.

30 min; Wackestone to Packstone; off white, cream, most brittle, micro-oolitic to rare very fine oolitic, most chalky matrix, no visible porosity in wet, no cut on selected samples, no show, free foss. chert.

60min; as above; rare bright fluorescence, no cut, no odor, no visible show, one sample only with bright fluorescence-residual ring cut only, aa rare barren pinpoint porosity, no show on porosity.

**Labette 5060 (-2536) A -9 B -11**

Shale; black, carbonaceous, non gassy.

Mudstone; cream to off white, most chalky, trace brown-crystalline, brittle to hard, 5% smoky gray chert.

**CKE 5081 5081 (-2557) A -7 B -11**

Shale; black carbonaceous, gassy.

Shale; gray, gray-green waxy luster.

Packstone to Wackestone; cream to light gray, chalky matrix, micro-foss to oolitic, some fine oolites in chalky matrix, trace barren porosity in the dry, no cut on selected samples, looks wet.

Mudstone; cream to gray, dull chalky, tight looking.

**\*CKE 5111 (-2587) A -8 B -1**

Shale; gray, black-carbonaceous

Shale; black-carb, some gassy.

Mudstone; slight increase in brown-silky-crystalline, dense, dark free chert here.

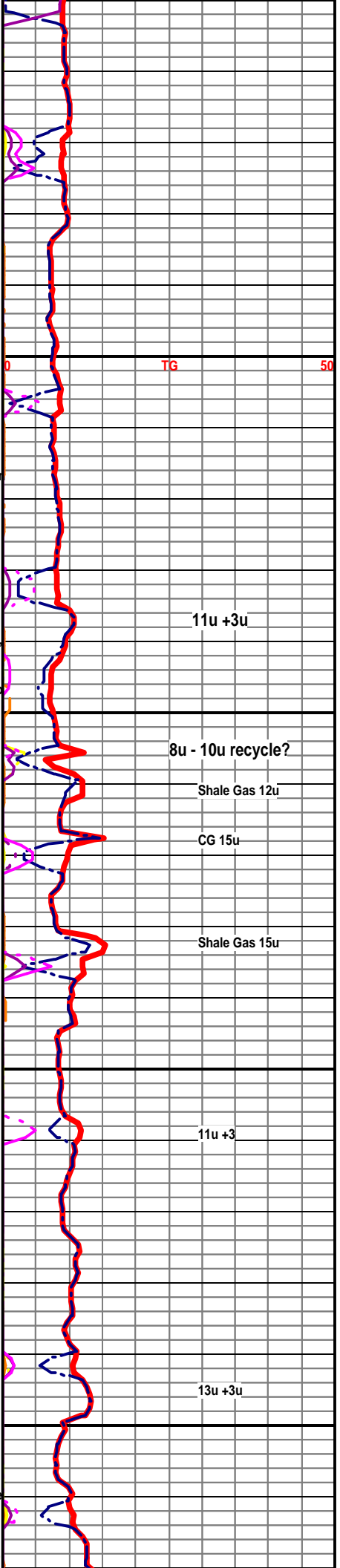
Mudstone; buff to tan, hard, chalky, yellow mineral fluorescence, no show, dense, dark tan to gray chrt.

Wackestone; cream, hard to firm, micro-oolitic to very fine oolitic, dense looking matrix in wet, NS!

Shale; gray to black, no visible gas bubbles.

Wackestone; cream to off white, micro-oolitic, hard-soft, trace yellow to gold fluor, no show on selected sample, looks tight.

Mudstone; cream, brown to gray, most brittle, chalky to some



@5194  
Wt 9.2  
Vis 52  
Fil 10  
Chl 6,500  
Lcm 2#  
Cum \$16,009

11u +3u

8u - 10u recycle?

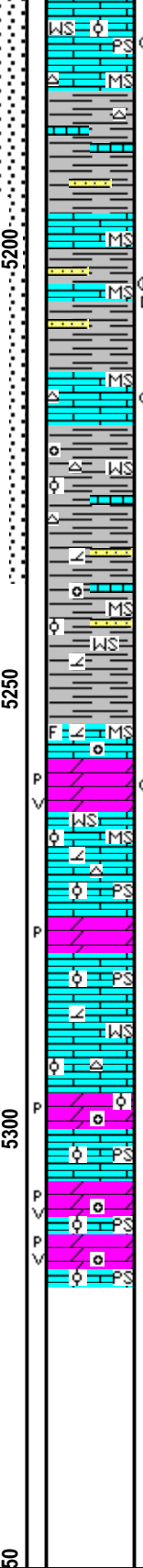
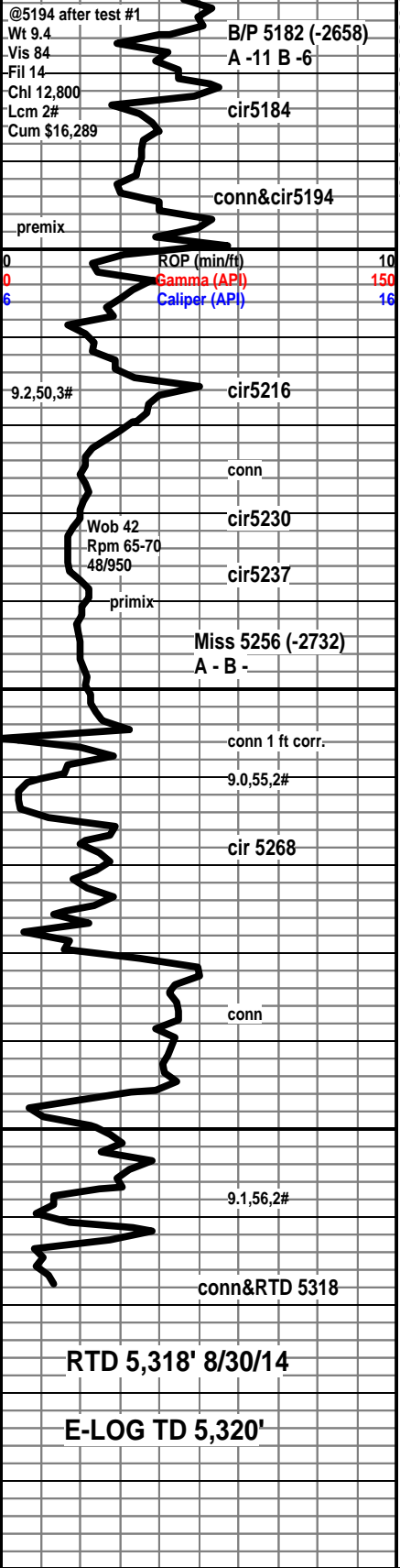
Shale Gas 12u

CG 15u

Shale Gas 15u

11u +3

13u +3u



crystalline, tight

Wackestone to rare Packstone; cream tan, micro-oolitic, rare vfool, rare oomoldic-cave?, no show, no cut on selected samples.

Shale; slight increase in gray-green sub-waxy, rare gray green blocky chert.

60 min; Shale; pale green, sub waxy, rare brick red, one clust ufg quartz sandstone; wlsrtd, cons, rnd, no fluor-no cut, sample are a high % Mudstone aa.

90 min; 4 samples of a buff-cream Mudstone; with rare spotty wormy stain, instant cut, from yellow fluor, no odor, no visible oil or porosity, assumed to come from 5,175' - 5,179'??

Mudstone; cream to lt gray, chalky, hard, trace brown-tan-crystalline, rare spotty black and brown stain, 2 samples with instant cut, no odor. Shale; 40-% most pale green, rare ufg sand cluster-no show.

Mudstone; 5216-20 cream to off white, most brittle, chalky, 5% Cream to off white m-oolitic Wackestone, rare white vf ool Packstone, no show, cave?.

Cir samples 5,237'; Mudstone; 60% 40% cream to gray, trace off white, rare tan fine gritty dolomitic limestone-no show, no sample show here. Shale 60%; 40% very colored, most large cuttling-some rounded-cave? SS rare-no show, fair to poor quality samples, aa rare oomoldic Packstone in most samples-no show, cave?

Mudstone; cream to tan, some off white, trace tan gritty dolomitic limestone, no show or cut on selected fluorescence samples. Sample quality very poor, 60-80% very colored shales, most caving size.

Dolomite; 60min sample, rare light gray, very fine sucrosic, rare bright fluorescence-instant cut, rare barren samples with no cut, spotty barren looking porosity in show and non show samples, very faint odor prior to washing samples. less then 1% dolomite in 60min sample. Approx 5% dolo. in 90min sample, one sample white chert with rainbow look in wet-slow cut.

Dolomite; as above, rare in samples, no show, faint sample odor.

Wackestone to Packstone; micro-oolitic to very fine oolites in tight looking matrix, chalky brittle matrix, no show, no sample odor here. sample improving with depth 70% limestone;

Dolomite; rare in samples; gray fine sucrosic to tan oolitic, no show, no sample odor.

Packstone; cream to off white, micro-oolitic to fine oolites, chalky matrix, no show.

Dolomites; cream to tan, hard, very sucrosic to gritty texture, some oomoldic, rare oolitic dolomite, barren porosity in the wet was visible, no show, no sample odor.

Cir samples 5,230'; Mudstone; 70% 30%, as above, rare drk stn, instant cut, no odor, no free oil, 5% Wackestone; micro-ool, rare off white - white ool Packstone, aa; sample quality fair- poor. Shale; 30% - 50% light gray, black, gray-green, green to some mott ochr mrn, some calc-limy,

