

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: VINCENT OIL CORP. HAWES RANCH #1-22
Location: SW NW SE NE 22-T28S-R23W, FORD CO. KANSAS
License Number: 15-057-20905-00-00
Spud Date: July 24th, 2013
Surface Coordinates: 1,788' FLN, 1,300' FEL
Region: Grt. Mogul Cyon.
Drilling Completed: August 3rd, 2013

Bottom Hole Coordinates:

Ground Elevation (ft): 2,466' K.B. Elevation (ft): 2,478'
Logged Interval (ft): 4,150' To: 5,350' Total Depth (ft): 5,350'
Formation: RTD IN; MISSISSIPPI
Type of Drilling Fluid: Native Mud to 3,792'. Chemical Gel System to RTD.

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

OPERATOR

Company: Vincent Oil Corporation
Address: 155 N. Market, Ste., 700
Wichita, Kansas 67202-1821
(316)-262-3573

GEOLOGIST

Name: James 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: Duke Drilling Co. Inc., Rig #1, Tool Pusher: Mike Godfrey.

Surface Casing: 8 5/8" set at 646' w/275sx, cement. The cement did circulate.

Drilling Activity:

7/25/13 649' running 8 5/8" casing.

7/26/13 1,336' drilling.

7/27/13 2,529' drilling.

7/28/13 3,257' drilling.

7/29/13 3,960' drilling.

7/30/13 4,610' drilling.

7/31/13 4,982' circulating Pawnee. 30std short trip, strap pipe (1.89' long), and run survey prior to DST #1(Pawnee). Estimated total company time during circulating and DST #1 (21 1/4hrs.).

8/1/13 5,017 drilling. Circulate @ 5,056' poor oil show in lower Penn (est co. time 1/2hrs.). drilled ahead. Circula

@ 5,110' B/Penn. poor show drilled ahead (est co. time 2hrs.). Circulate @ 5,123' Cong. (est. co. time 2hrs.).

Circulate @ 5,129' Cong. DST 2, Lower Penn. & Cong.

8/2/13 2,123' Finished running DST #2. (est. co time for cir. & DST 2 16.5hrs.). Drilled ahead circulate at 5,146' (est co time 2hrs.), then drilled to 5,152', condition and started tripping out for DST 3 (Miss.), pulled 45K over on the 3rd stand out worked stand for 5min, (bit at approx. DST #1 interval), pulled additional 10 stands (they were free), then back to bottom and conditioned hole to trip out for DST #3. Commenced DST 3 Miss. Dolomite 5,140' to 5,152' (12').

8/3/13 5,152' finishing DST #3, (est. total co. time for test and circulating 17 1/2hrs.). Drilled to 5,350', condition hole and ran open hole logs.

8/4/13 5,350', finished running E-logs, then ran 4 1/2" production casing to 5,347', cemented w/175sx.

Deviation Surveys: 1 deg @ 649', 1 deg. @ 1,148', 1 deg @ 1,651', 0.75 deg @ 2,217', 1 deg @ 2,751, 1 deg @ 4,982', 1 deg @ 5,350'.

Bit Record:

#1 12 1/4" out @ 649'.

#2 7 7/8" Varl HE21MSV in @ 649', out @ 4,982', made 4,333'

in 104 1/4hrs.

#3 7 7/8" RR Varl HE29 in @ 4,982', out @ 5,350', made 368' in 18 1/4 hrs.

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

Gas Detector: Bluestem Labs, digital unit #0563.

Mud System: Mud-Co/Service Mud. Chemical Gel system @ 3,792', Mud Engineers: Terry Ison & Justin Whiting.

DST CO. Trilobite, Tester: Leal Cason, Pratt Office.

OH Logs: Nabors Well Services, Hays Kansas,

Operator Jeff Groneweg.

DIL, CDL/CNL/PE, MEL/SON.

Note: The open hole log gamma ray and caliper curves have been placed on this sample strip log, for better correlation. If there is a depth difference greater than 2', between the sample strip log and the open hole electric log, the the drilling time depths (sample sript log), has been shifted to correlate with the open hole logs.

Open Hole E-log tops are placed on this strip log, with the reference wells "A" Samuel Gary Hawes #1 NE/4 22-T28S-R23W, and "B" Oil Producers Inc. Hawes Ranch #2A-27 S/2 NE NE NW 27-T28S-R23W. Differences in E-log tops (datum) shown.

DSTs

DST #1 4,952' - 4,982' (30'), Pawnee, 30-60-60-120, IH 2460, IF 65-162 (BOB 90sec.), ISI 1399 (3" blow back), FF 174-378 (BOB 9min), FSI 1401 (1/2" blow back), FH 2438, Rec; 660' GIP, 184' GsyM&WCO (15%gas, 61%oil, 12%water, 12%mud), 124' SO&MCW (2%oil, 86%water, 12%mud), 496' water (Rwa 0.08 @ 81F - 0.055 @ BHT), C 85,000ppm (mud 5,100ppm), BHT 118F.

DST #2 5,004' to 5,129' (125'). B/Penn & Cong. 30-60-60-120, IH 2603, IF 1352-1177, (BOB 20sec. GTS 4min), blue flame, took gas sample. 1 1/2" orifice, 10min 6.3mmcf, 20min 11.8mmcf, 30min 11.8mmcf. ISI 1514 (blow back f 75min), FF 1273-1107, (GTS immediately), blue flame, took second gas sample. 1 1/2" orifice, 10min 4.4mmcf, 20min 4.4mmcf, 30min 4.4mmcf, 40min 4.5mmcf, 50min 4.5mmcf, 60min 4.5mmcf, FSI 1494 (weak 1/4" blow), FH 2493, Rec; 4,917' GIP, 90' SGCM (2%gas, 98%mud), BHT 119F.

DST #3 5,140' - 5,152' (12') Miss. Dolomite, 30-60-60-120, IH 2630, IF 58-121 (BOB 10sec, GTS 29min), ISI 1493 (no blow), FF 121-222 (GTS immd. 10min 45mcf, 20min 48mcf, 30min 51mcf, 40min 51mcf, 50min 51mcf, 60min 51mcf, (gas sample taken and blue flame was observed), FSI 1432 (no blow), FH 2487, Rec; 4,745' GIP, 80' WCM (40%water, 60%mud), 310' Water (chl 75,000ppm - drilling mud 7,300ppm), Rwa 0.1 @ 74F (0.064 @ BHT), BHT 114F.

Serial #: 6798

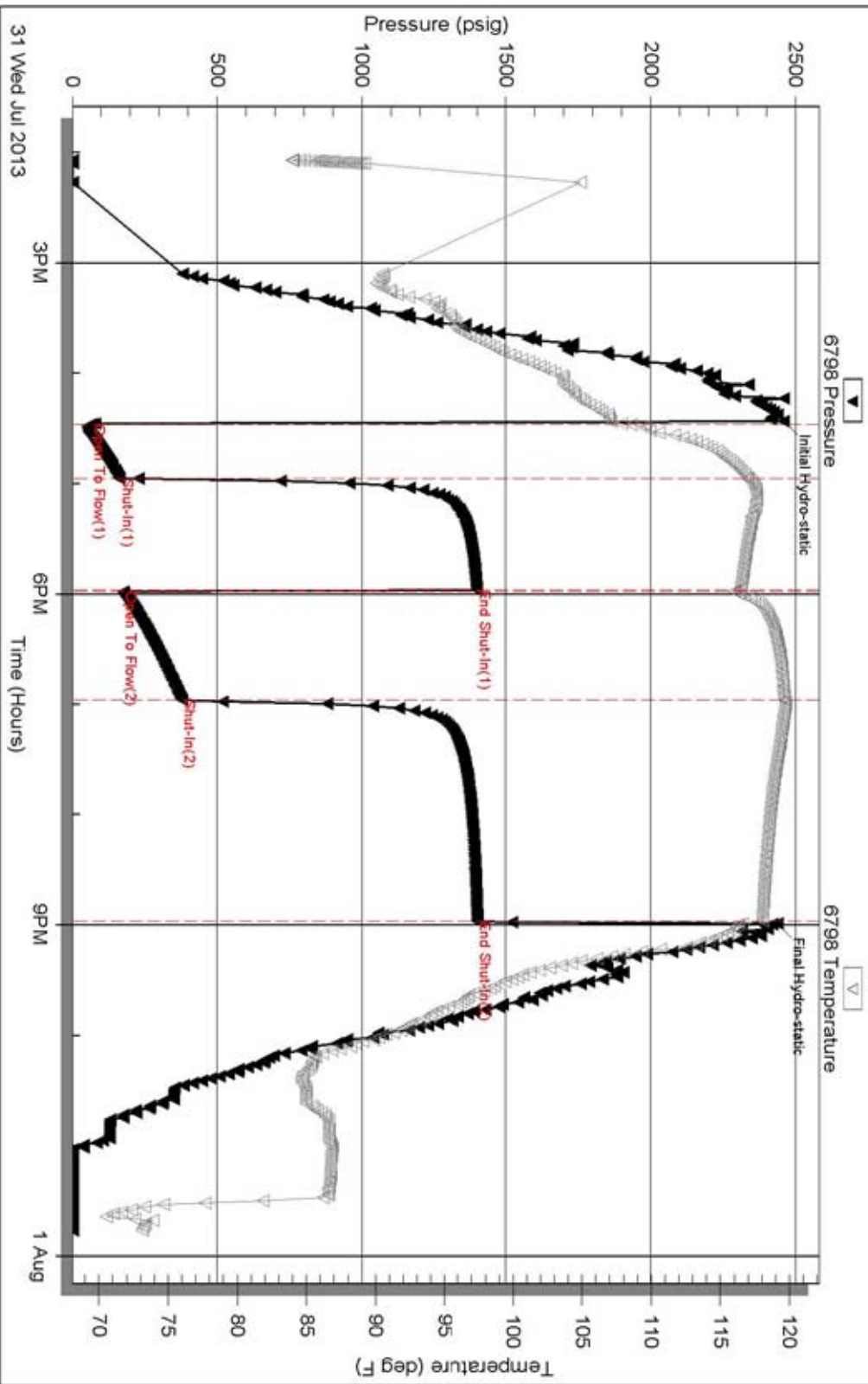
Inside

Vincent Oil Corporation

Hawes Ranch 1-22

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 52381

Printed: 2013.08.01 @ 07:41:54

Serial #: 6798

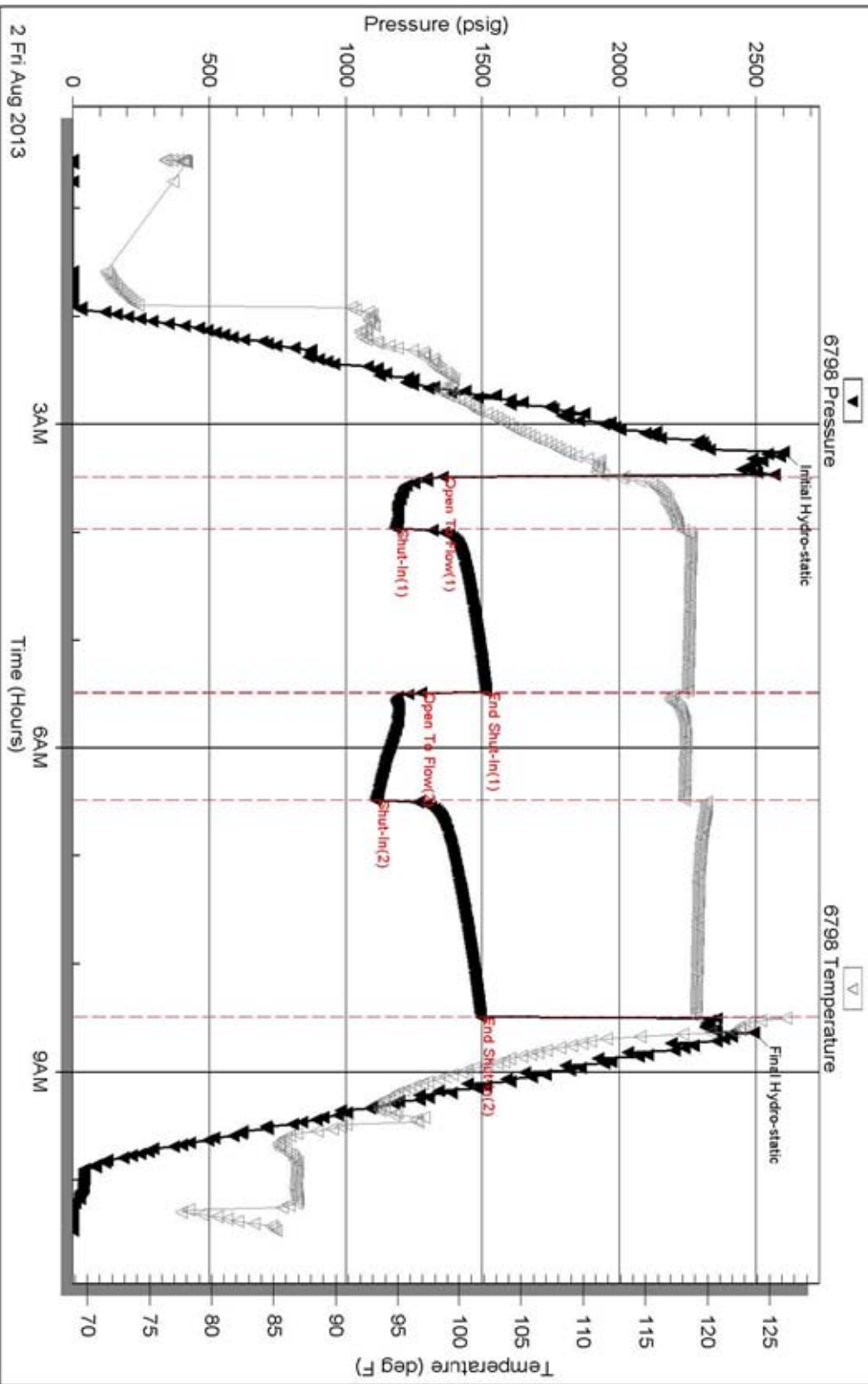
Inside

Vincent Oil Corporation

Hawes Ranch 1-22

DST Test Number: 2

Pressure vs. Time



Triobole Testing, Inc

Ref. No: 52392

Printed: 2013.08.02 @ 10:44:31

Serial #: 6798

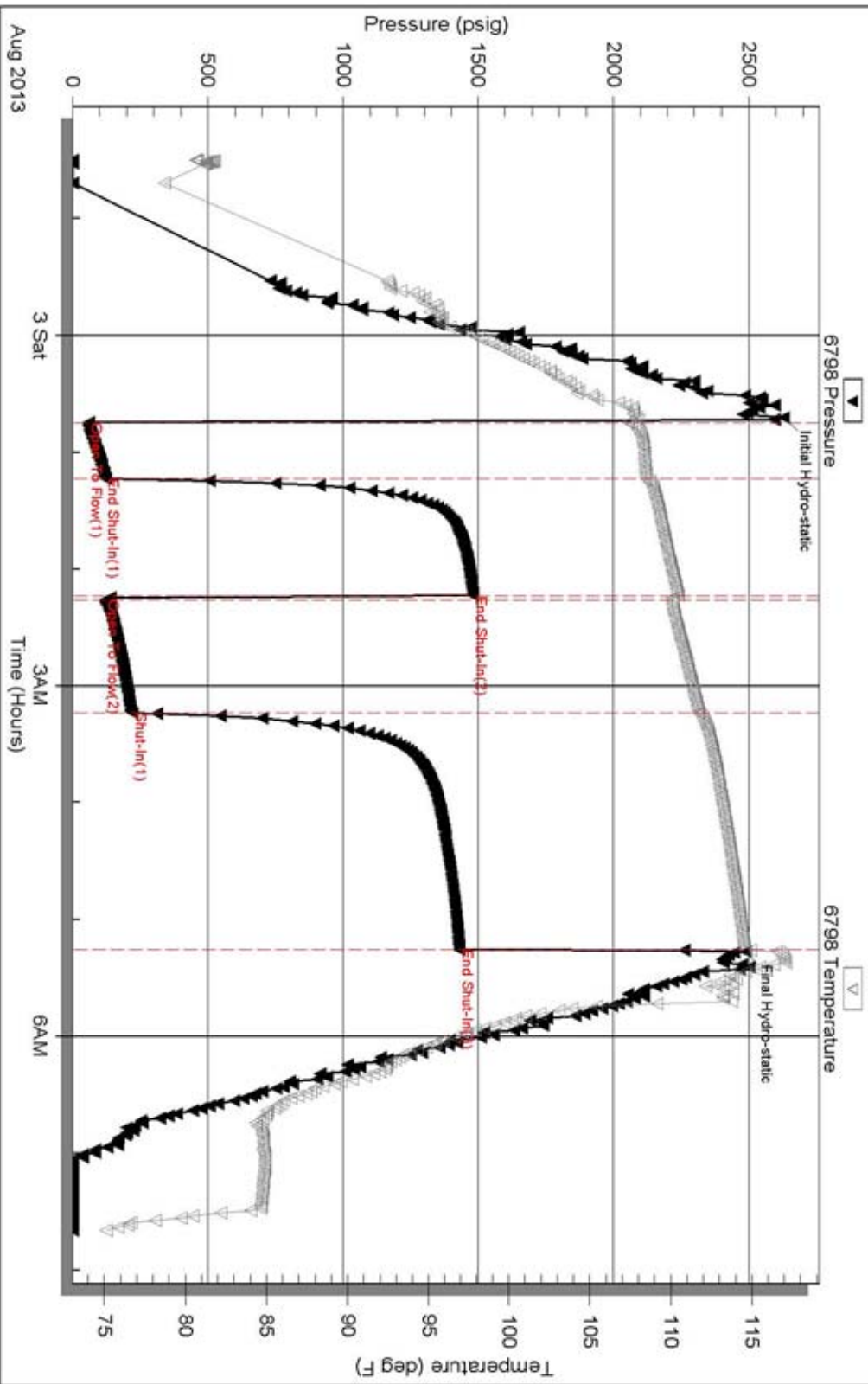
Inside

Vincent Oil Corporation

Hawes Ranch 1-22

DST Test Number: 3

Pressure vs. Time



Triobole Testing, Inc

Ref. No: 52383

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



































































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.
























ROCK TYPES

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

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

POROSITY  Earthy  Fenest  Fracture  Inter  Moldic  Organic  Pinpoint  Vuggy	SORTING  Well  Moderate  Poor ROUNDING  Rounded  Subrnd  Subang	 Angular OIL SHOW  Even  Spotted  Ques  Dead	INTERVAL  Core  Dst EVENT  Rft  Sidewall
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Curve Track 1

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

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

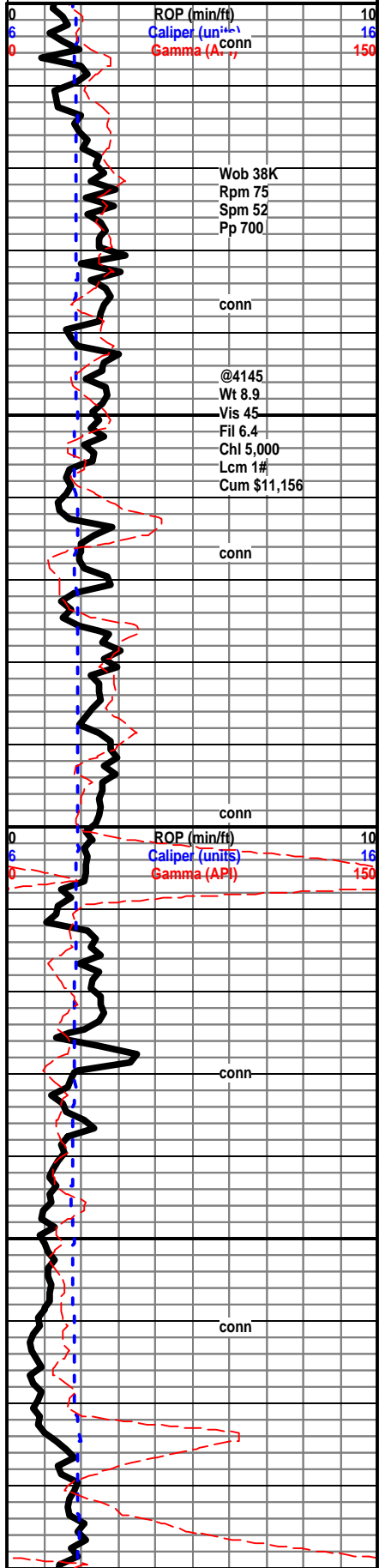
Depth

Porosity Type

Lithology

Oil Shows

Geological Descriptions



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

Wob 38K
 Rpm 75
 Spm 52
 Pp 700

conn

@4145
 Wt 8.9
 Vis 45
 Fil 6.4
 Chl 5,000
 Lcm 1#
 Cum \$11,156

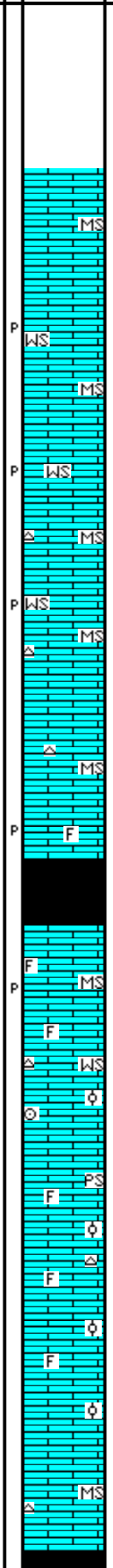
conn

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

conn

conn

4100
4150
4200
4250



Well site supervision commenced at 4,200', 7/29/13.

Mudstone; cream to off white, chalky, dense, dull gold fluorescence, 30-40% shale, poor sample quality.

Wackestone; micro-oolitic, most cream, chalky matrix, rare barren porosity in the dry sample, dull gold mineral fluorescence only, no show, aa poor sample quality.

Mudstone; increase in gray and light gray, some tan, chalky-dull luster, crystalline-silky, dense.

Wackestone; scattered micor-oolitic, rare pinpoint barren porosity in the dry sample, poor sample quality aa, no show.

Mudstone; light gray to gray, chalky to crystalline, traces of free off white chert, dull mineral fluorescence and no visible show.

As above, slight increase in sample quality here.

Mudstone; cream to off white, chalky, rare off white chert inclusions in the matrix, micro fossils in the matrix, dull gold to yellow mineral fluorescence only, rare barren porosity in the dry sample, no show.

Shale; carbonaceous, hard to soft, rare gas bubbles when broken.

Mudstone; gray, some with fossil inclusions, no show.

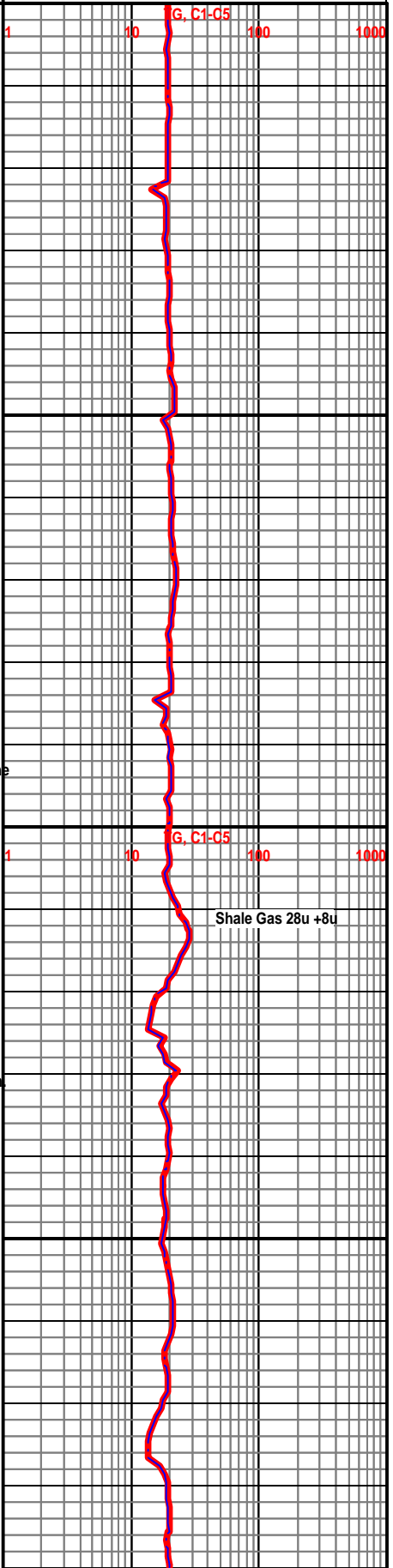
Wackestone; cream to gray, chalky matrix, micro oolitic to fossil fragments, tight look wet and dry, rare free crinoid stem

Packstone; off white to cream, micro-oolitic to fossil fragments, firm, dense looking in wet and dry sample, dull yellow and gold mineral fluorescence only, no show

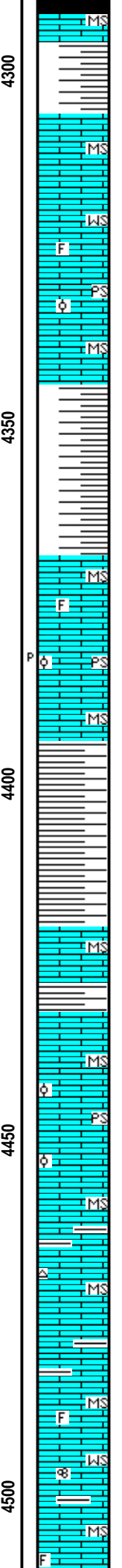
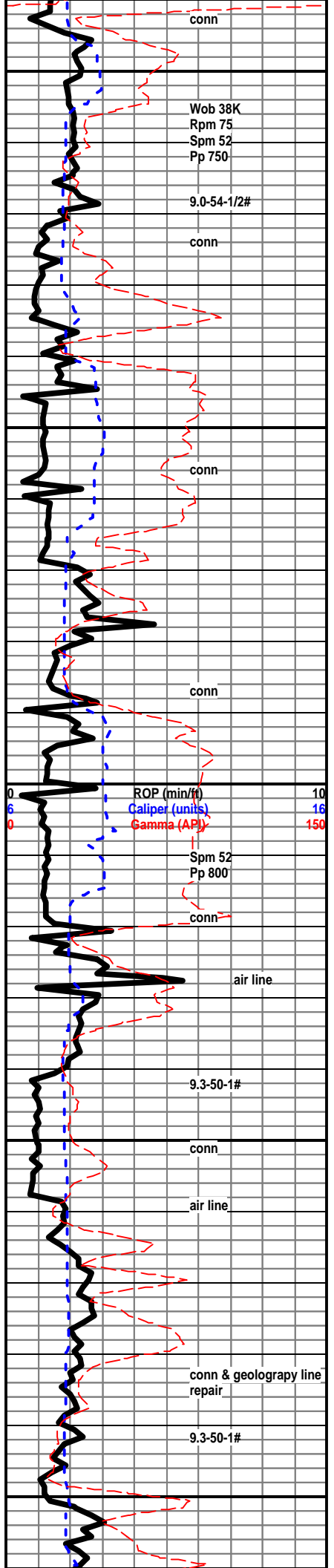
Packstone; as above, no real sample change here, micro-oolitic to micro-fossiliferous, no show.

Heebner 4289 (-1811) A +2 B -3

Shale; carbonaceous. soft to hard. no visible gas bubble



Shale Gas 28u +8u



when broken.

Shale; gray, black to brick red, firm to soft.

Mudstone; cream to gray, occasionally tan, dull chalky, silky crystalline, dense, no show.

Packstone to Wackestone; cream to off white, some tan, micro-oolitic to micro-fossiliferous, most chalky matrix, yellow to off white fluorescence, no show in wet or dry, very rare visible porosity in the dry with no stain.

Mudstone; cream to off white, dense.

Shale; vary colored, soft to firm, some mottled.

Shale; as above.

Mudstone; tan to brown, chalky to crystalline, some with fossil fragments in the matrix, dense looking in the wet, no visible porosity in the dry sample.

Packstone; off white to tan, chalky to crystalline matrix, tight looking in wet, yellow-white to dull gold fluorescence, micro-oolitic, rare barren porosity in the dry sample, no show wet or dry.

Shale; gray, gray-green, tabular, firm to soft.

Shale; most gray, tabular to platy, very soft, some fissile look when broken.

Brown Lime 4420 (-1942) A +5 B +5

Mudstone; gray, to rare brown-crystalline, dense.

Lansing 4433 (-1955) A +6, B +8

Packstone; off white, cream, occasionally tan, micro-oolitic, firm to hard, most chalky matrix, some crystalline-silky texture, tight in wet and dry samples, dull yellow fluorescence, no show.

Mudstone; cream to tan, most chalky, some crystalline, dense.

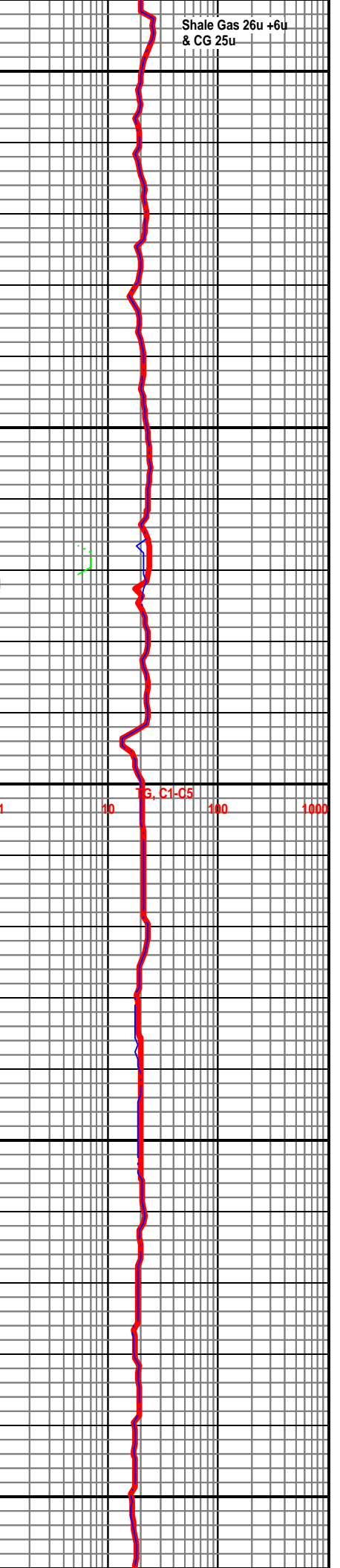
Mudstone; cream to tan, chalky, dense, rare free off white to opaque chert, no show.

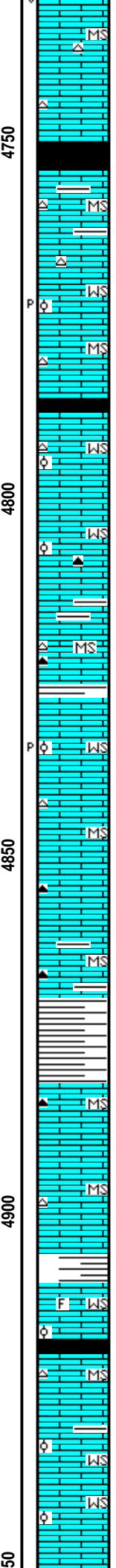
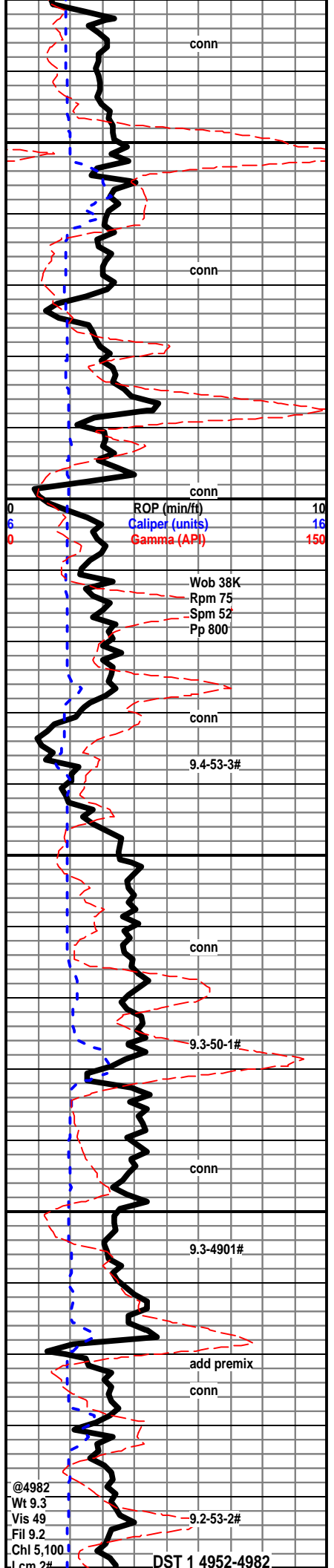
Shale; slight increase in gray.

Mudstone; off white, cream, occasionally brown, most chalky, some with fossil fragments.

Wackestone; off white, cream to brown, fossiliferous, rare free fusulinid, chalky to crystalline matrix, no show.

Mudstone; light gray, brown, chalky to crystalline, some with fossils, dense.





Shale; dark gray, black-carbonaceous, no visible gas bubbles

Stark Shale 4750 (-2272) A +8 B +5

Mudstone; cream to off white, dense, most chalky, off white free chert.

Wackestone; mirco-oolitic, chalky, dense look in wet sample, no show, rare barren porosity in the dry sample.

Mudstone; aa, trace free off white to light gray chert.

Hushp. 4787 (-2309) A +9 B -2 C +8

Shale; dark gray, black-carbonaceous, no visible gas bubbles

Wackestone; micro-oolitic, chalky to crystalline matrix, no show wet or dry, dull mineral fluorescence only, trace black chert.

Mudstone; gray, tan to brown, dense, chalky to crystalline, influx gray free chert.

Shale; gray, gray-green black.

Wackestone; cream, buff to gray, hard, most chalky matrix, micro-oolitic, to small fossil inclusions, rare barren porosity in the dry sample, dull mineral fluorescence only, no show.

Mudstone; firm to hard, chalky to crystalline-silky texture, trace dark brown blocky chert, rare fossil inclusions.

Mudstone; buff to gray, hard, dense, rare black blocky chert, increase in % of shale here.

Shale; gray to black, influx pale green, some arenaceous look most soft.

Marmaton 4882 (-2404) A +9 B +14

Mudstone; cream to buff, some tan, most chalky, some crystalline look, dense, rare free black chert.

Mudstone; gray to brown, chalky to silky-crystalline, dense, rare off white free chert, samples wash heavy gray.

Shale; influx very colored shales, most soft to firm.

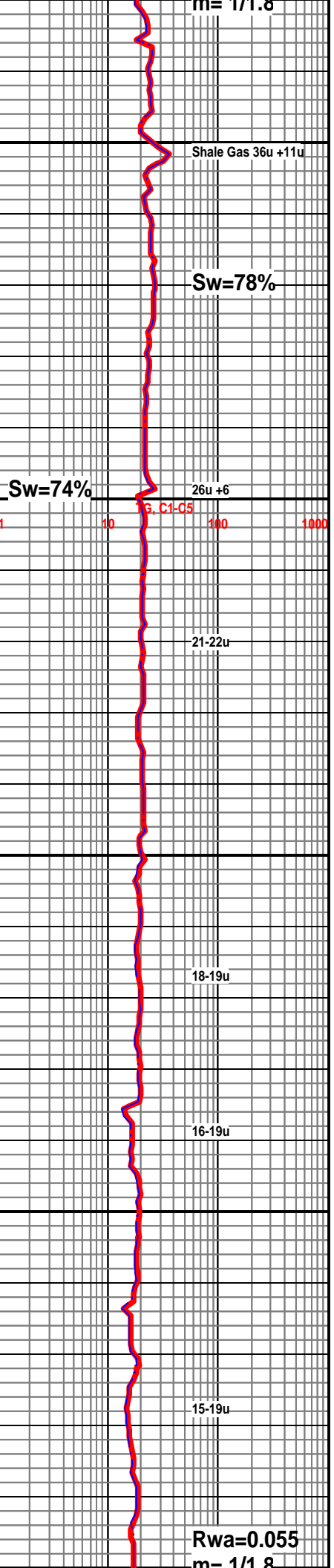
Wackestone; slight increase in micro-oolitic to fossiliferous, tight look in wet, no show.

Shale; slight increase in soft, black shale here.

Mudstone; cream to tan, and off white, most chalky, trace, bone white and cream chert.

Wackestone; slight increase in cream to off white micro-oolitic tight look wet, dull blue-white mineral fluorescence only, no show.

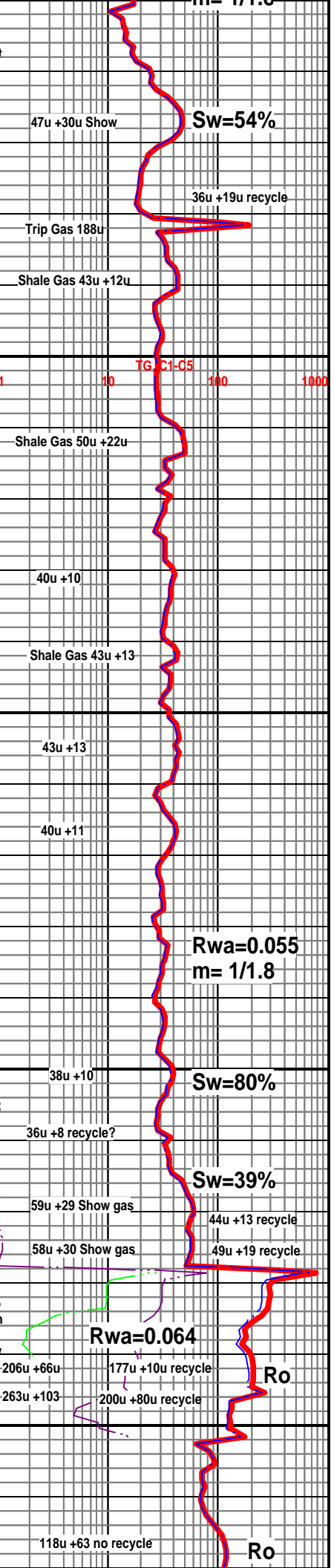
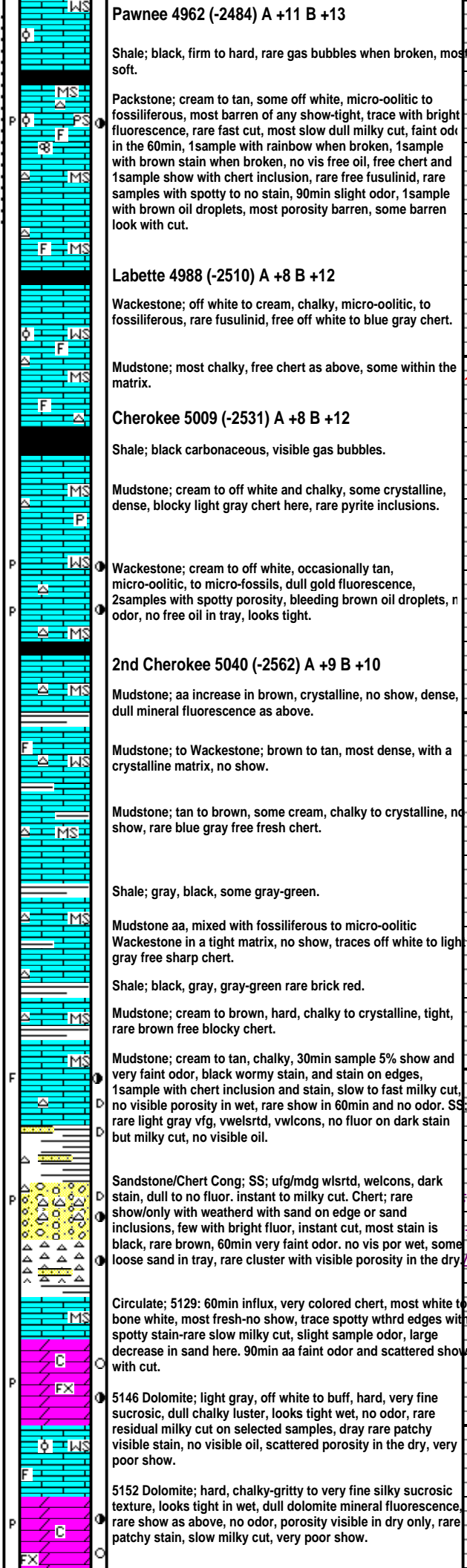
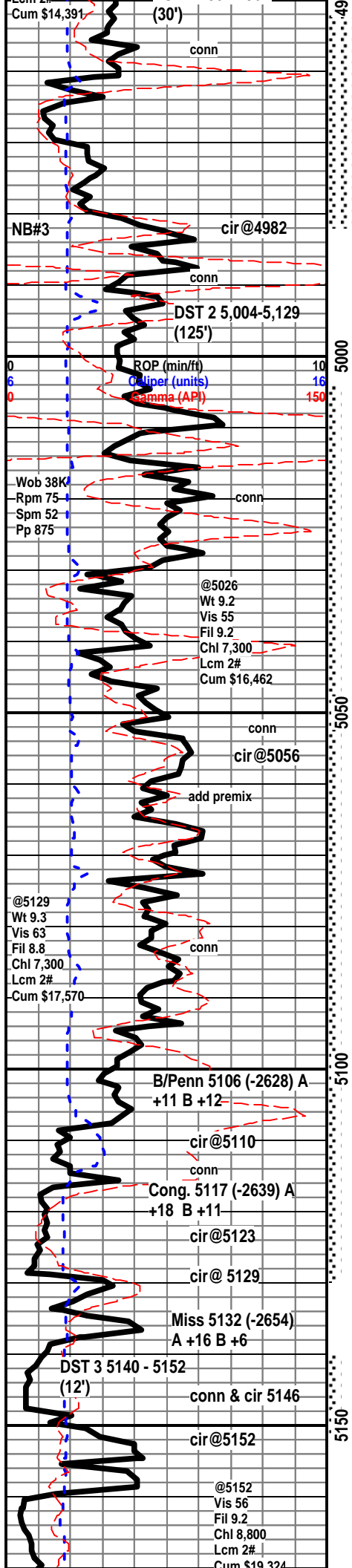
Wackestone; cream to off white, chalky to crystalline, micro-oolitic, 5 samples with bright white fluorescence no cut no visible oil, no odor, no visible porosity in the wet.

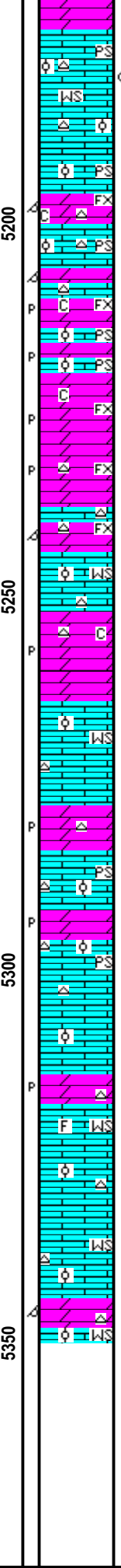
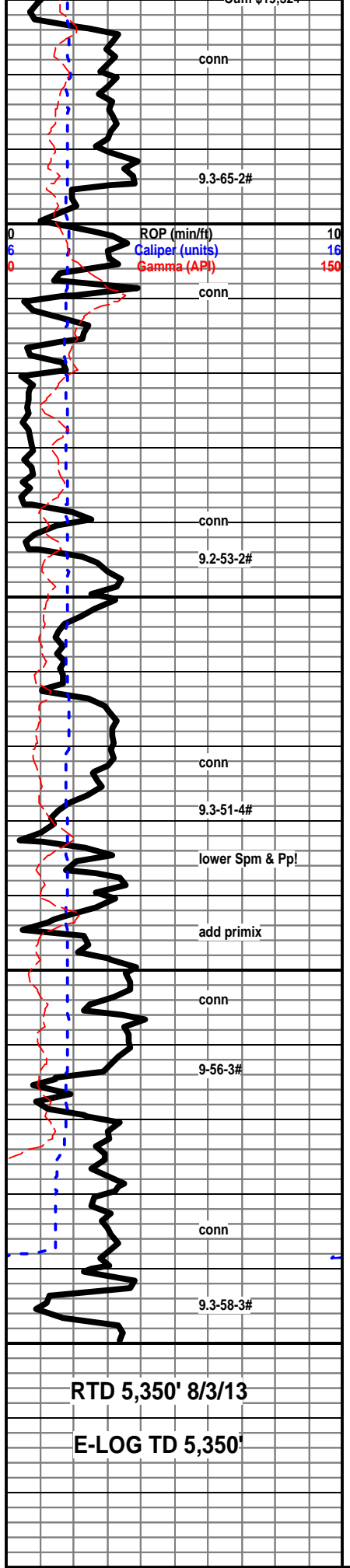


@4982
 Wt 9.3
 Vis 49
 Fil 9.2
 Chl 5,100
 L cm 2#

DST 1 4952-4982

Rwa=0.055
 m= 1/1.8





Dolomite; 5160-5174 light gray, cream-buff, hard to firm, gritty-chalky texture to occasionally fine-xly-sucrosic, scattered porosity, rare patchy stain, cut on selected samples most no cut, faint odor, no live oil visible.

Packstone; off white, chalky, micor-oolitic, friable, 1 sample with residual ring cut, no visible oil or porosity in wet, increase in free chert, some oolitic chert.

Dolomite; gray, to brown hard, very fine sucrosic, rare oomoldic por. no show, faint odor in samples.

Packstone; most off white to cream, fine oolitic to micro-oolitic, no show, faint sample odor.

Dolomite; slight increase in brown, no show, loss of sample odor here, barren porosity in dry

Dolomite; increase in light gray, sucrosic, hard to firm, barren porosity in the dry, no cut on selected samples, no visible live oil show in wet or dry samples.

Chert; increase in free chert, some oolitic.

Dolomite; brown, very hard, scattered oomoldic looking barren porosity.

Wackestone; to Packstone; micro-oolitic, hard-friable, increase in opaque, white and some colored free chert.

Dolomite; buff to tan, hard, slight increase in gritty texture-chalky dull look, no show, no cut on selected samples

Wackestone; off white, cream, firm to friable, micro-oolitic in chalky matrix, free chert as above, no show. 5,250 samples commenced large influx black, gray and very colored blocky to tabular shales-cave?

Dolomite; buff to light gray, sucrosic, hard-no show.

Packstone; cream, off white to white, firm to soft, most chalky matrix, micro-oolitic, to small oolites in the matrix, free chert as above.

As above; approx 40% shale in samples, black to gray and very colored-cave?

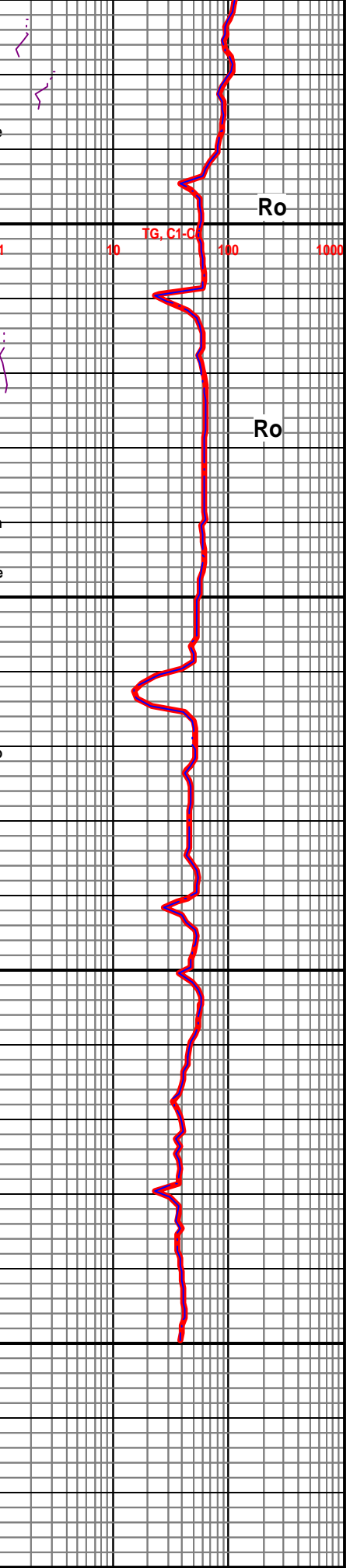
Packstone; to Wackestone; small oolitic to micro-oolitic, soft to brittle, less free chert with depth, sample quality very poor, much shale in samples.

Dolomite; light gray to buff, gritty-chalky texture, 50%-60% shale here.

Wackestone to Packstone; cream to off white, micor-foss and oolitic, sample quality very poor approx. 60% to 70% shale.

Wackestone; to Packstone; as above, no real change here, no show, as above free chert some fossiliferous.

Dolomite; buff to light gray, hard, scattered barren oomoldic look, no show, very poor quality samples as above!



RTD 5,350' 8/3/13
E-LOG TD 5,350'