



Scale 1:240 Imperial

Well Name: Brubaker 1-17H
 Surface Location: 1800' FSL_249' FEL, Sec. 17-T29S-R12W
 Bottom Location: 521'FNL_1798' FEL Sec. 18-T29S-R12W
 API: 15-151-22472-01-00
 License Number: 31725
 Spud Date: 6/15/2018 Time: 8:30 PM
 Region: Pratt County
 Drilling Completed: 6/21/2018 Time: 12:00 PM
 Surface Coordinates: 310598 & 1957042
 Bottom Hole Coordinates: 313554 & 1950194
 Ground Elevation: 1899.00ft
 K.B. Elevation: 1904.00ft
 Logged Interval: 3270.00ft To: 4070.00ft
 Total Depth: 4070.00ft
 Formation: Viola
 Drilling Fluid Type:

OPERATOR

Company: Shelby Resources, LLC
 Address: 13949 W Colfax Ave, Ste 120
 Lakewood, CO 80401
 Contact Geologist: Jeff Zoller / Janine Sturdavant
 Contact Phone Nbr: 620-786-0807 / 303-907-2209
 Well Name: Brubaker 1-17H
 Location: 1800' FSL_249' FEL, Sec. 17-T29S-R12W
 API: 15-151-22472-01-00
 Pool:
 State: Kansas Field: Wildcat
 Country: USA

LOGGED BY

Company: Mile High Exploration, LLC
 Address: 14645 Sterling Rd
 Colorado Springs, CO 80921
 Phone Nbr: 203-671-6034
 Logged By: Geologist Name: Jeremy Schwartz

CONTRACTOR

Contractor: Duke Drilling
 Rig #: 20
 Rig Type:
 Spud Date: 6/15/2018 Time: 8:30 PM
 TD Date: 6/21/2018 Time: 12:00 PM
 Rig Release: 7/7/2018 Time: 12:00 PM

ELEVATIONS

K.B. Elevation: 1904.00ft Ground Elevation: 1899.00ft
 K.B. to Ground: 16.00ft

| | | | | | OIL - SWD | | | | OIL | | | | | |
|----------------|-------|-------------|-------|-------|-----------------------|-------|-------|-------|-----------------------|-------|-------|-------|---|----|
| | | | | | Shelby Resources, LLC | | | | Shelby Resources, LLC | | | | | |
| | | | | | Brubaker 1-17 | | | | Reece-Riffey 1-5H | | | | | |
| | | | | | SW-NE 17-T29S-R12W | | | | Sec. 5 & 6 T29S-R12W | | | | | |
| Brubaker 1-17H | | | | | KB | | 1890 | | KB | | 1910 | | | |
| LOG TOPS | | SAMPLE TOPS | | | COMP. CARD | | LOG | SMPL. | COMP. CARD | | LOG | SMPL. | | |
| FORMATION | DEPTH | DATUM | DEPTH | DATUM | DEPTH | DATUM | CORR. | CORR. | DEPTH | DATUM | CORR. | CORR. | | |
| WAUBANSEE | | | 2821 | -917 | 2813 | -923 | | + | 6 | 2796 | -886 | | - | 31 |
| HOWARD | | | 3177 | -1273 | 3168 | -1278 | | + | 5 | 3153 | -1243 | | - | 30 |
| TOBEKA | | | 3286 | -1382 | 3282 | -1402 | | + | 10 | 3266 | -1356 | | - | 36 |

| | | | | | | | | | | | | | | | | |
|---------------------|--|--|------|-------|------|-------|--|--|---|---|------|-------|--|--|---|----|
| TOPLER | | | 3278 | -1952 | 3272 | -1982 | | | - | 4 | 3288 | -1936 | | | - | 38 |
| HEEBNER | | | 3692 | -1788 | 3674 | -1784 | | | | | 3656 | -1746 | | | - | 42 |
| TORONTO | | | 3710 | -1806 | 3696 | -1806 | | | + | 0 | 3676 | -1766 | | | - | 40 |
| DOUGLAS | | | 3743 | -1839 | 3730 | -1840 | | | + | 1 | 3688 | -1778 | | | - | 61 |
| BROWN LIME | | | 3868 | -1964 | 3858 | -1968 | | | + | 4 | 3836 | -1926 | | | - | 38 |
| LANSING | | | 3885 | -1981 | 3875 | -1985 | | | + | 4 | 3856 | -1946 | | | - | 35 |
| BKC (TVD) | | | | | 4258 | -2368 | | | | | 4240 | -2330 | | | | |
| MARMATON (TVD) | | | | | 4267 | -2377 | | | | | 4247 | -2337 | | | | |
| MISSISSIPPIAN (TVD) | | | | | 4332 | -2442 | | | | | 4318 | -2408 | | | | |
| KINDERHOOK (TVD) | | | | | 4403 | -2513 | | | | | 4393 | -2483 | | | | |
| VIOLA (TVD) | | | | | 4468 | -2578 | | | | | 4447 | -2537 | | | | |
| RTD (TVD) | | | | | 4750 | -2860 | | | | | | | | | | |
| LTD (TVD) | | | | | 4756 | -2866 | | | | | | | | | | |

ROCK TYPES

| | | |
|---|--|--|
|  Lmst fw<7 shale, grn |  shale, gry |  shale, red |
|  shale, grn |  Carbon Sh | |

ACCESSORIES

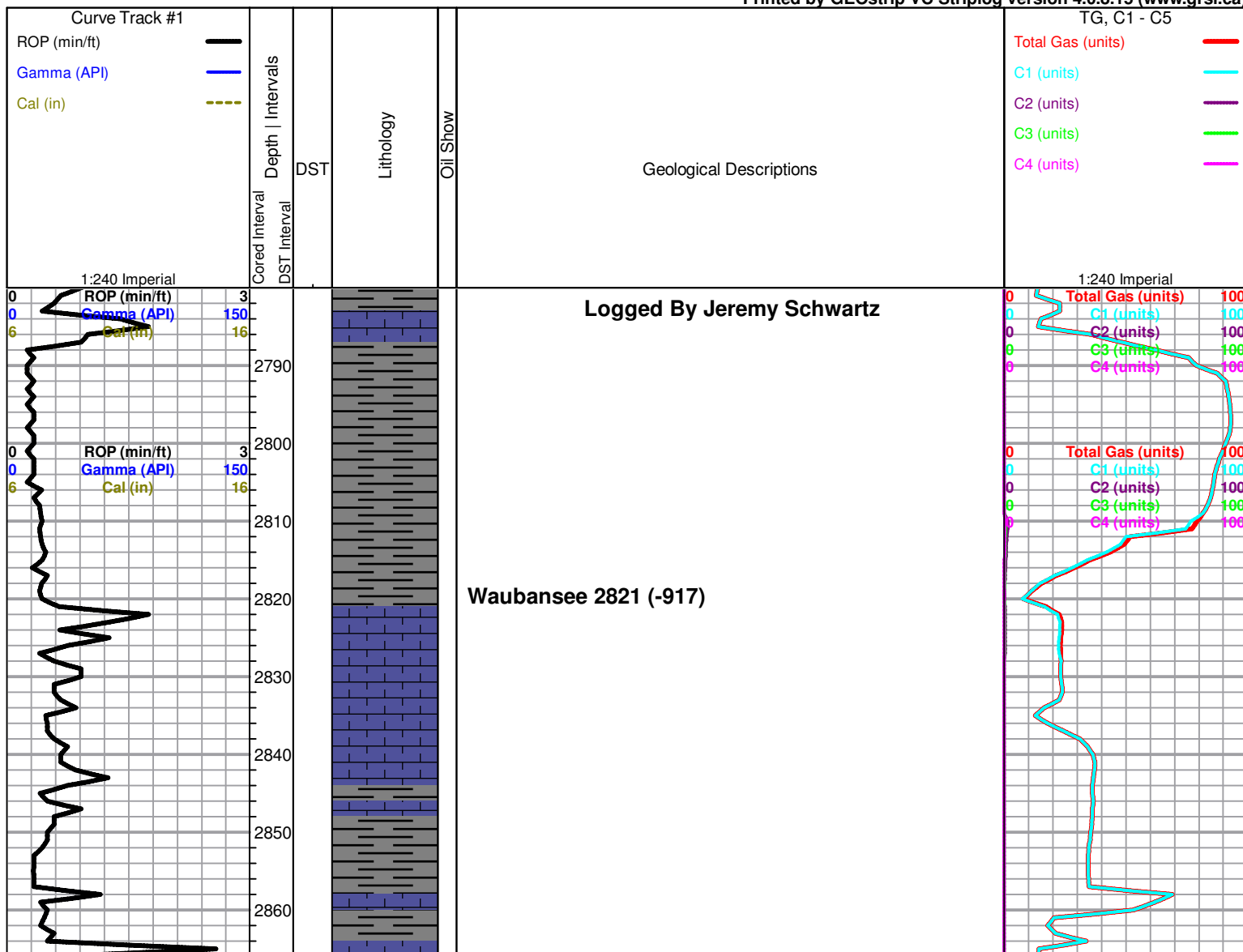
| | |
|--|---|
| FOSSIL ^ Bioclastic or Fragmental F Fossils < 20% | STRINGER ••• Sandstone ••• Siltstone |
|--|---|

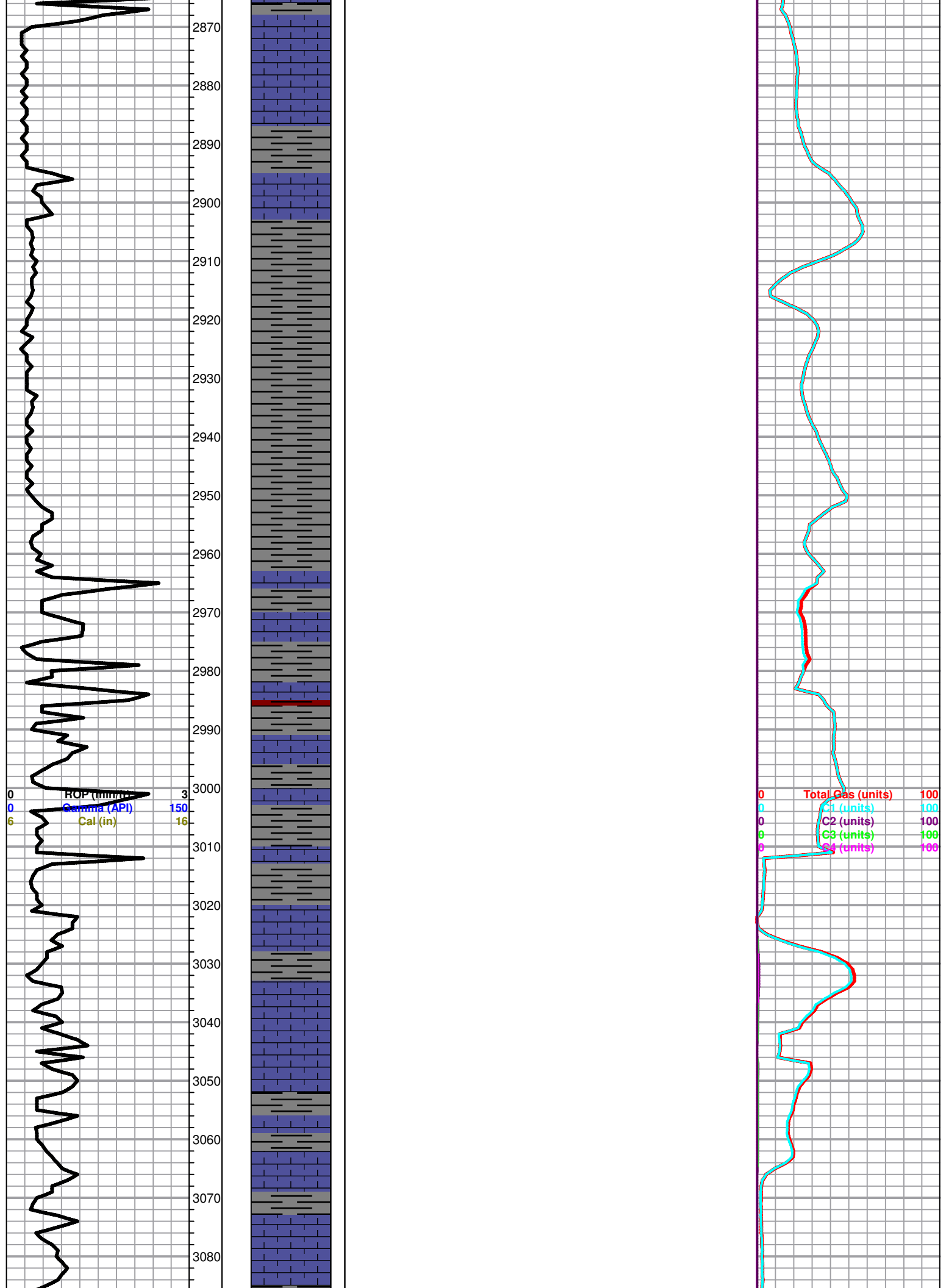
TEXTURE
C Chalky

OTHER SYMBOLS

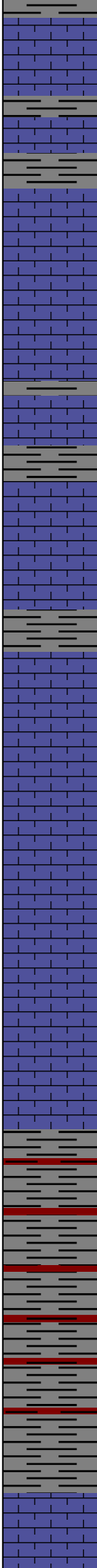
DST
■ DST Int
■ DST alt

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)





3090
3100
3110
3120
3130
3140
3150
3160
3170
3180
3190
3200
3210
3220
3230
3240
3250
3260
3270
3280
3290
3300



Geologist Jeremy Schwartz on Location @ 1325hrs, 3134'

Howard 3177 (-1273)

20' Wet and Dry Samples Begin @ 3250'

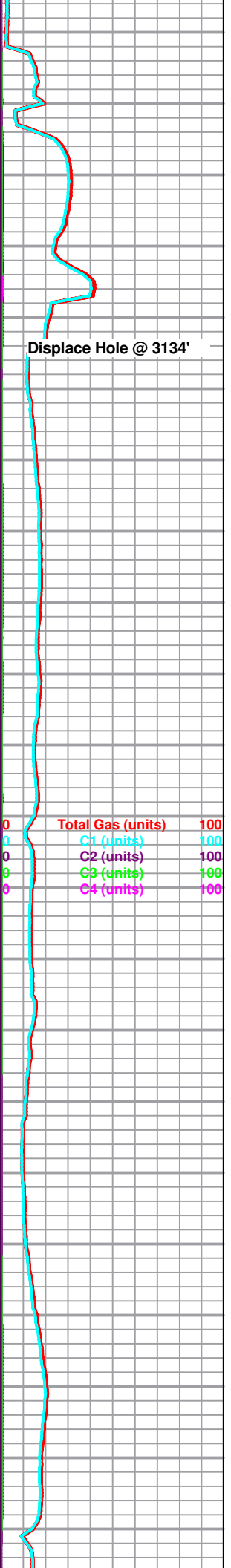
LS, gray to cream, micro-xln, lithographic with poor visible porosity, no show or odor

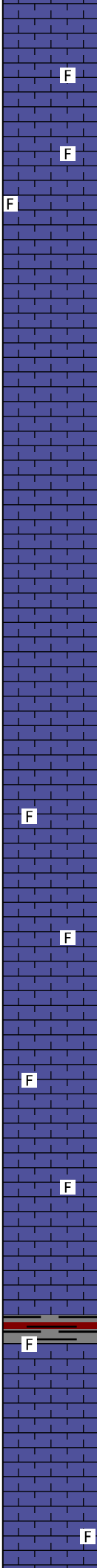
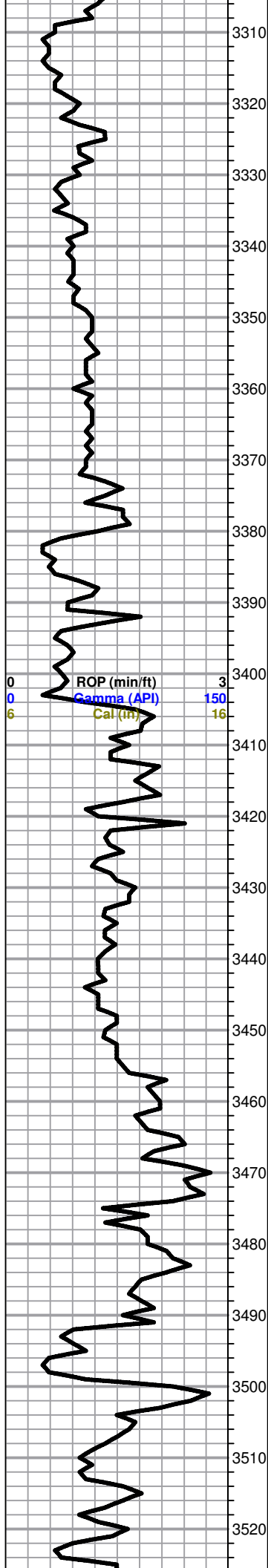
Topeka 3296 (-1392)

ROP (min/ft) 3
Gamma (API) 150
Cal (in) 16

Displace Hole @ 3134'

Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100





LS, cream to gray, micro-xln, mostly lithographic with some scattered fossiliferous, poor visible porosity, no show or odor

LS as above, with slight influx oolitic, cream, poor visible porosity, no show or odor

LS, cream to gray, micro-xln, mostly lithographic with poor visible porosity, no show or odor

LS, gray to cream, micro-xln, trace oolitic, poor visible porosity, no show or odor

LS, gray to cream with some scattered brown, micro-xln, poor visible porosity, no show or odor

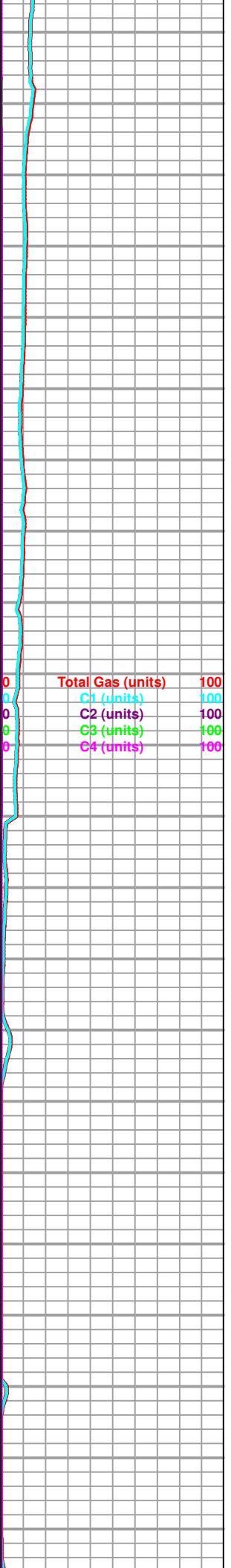
LS, cream to gray, micro-xln, mostly lithographic with poor visible porosity, some very scattered slightly fossiliferous, no show or odor

LS as above, no show or odor

As above, with some very scattered white and brown, no show or odor

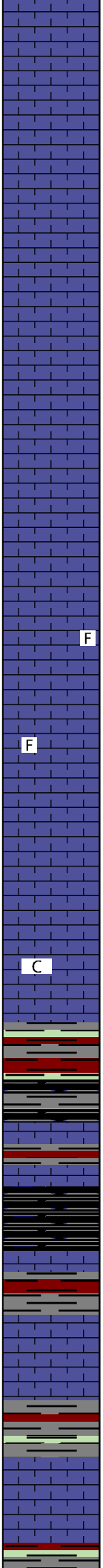
LS, cream to gray with some very scattered white and brown, micro-xln, mostly lithographic with poor visible porosity, some very scattered slightly fossiliferous, no show or odor

LS as above, no show or odor



3530
3540
3550
3560
3570
3580
3590
3600
3610
3620
3630
3640
3650
3660
3670
3680
3690
3700
3710
3720
3730
3740

ROP (min/ft) 3
Gamma (API) 150
Cal (in) 16



LS, cream to gray, micro-xln, mostly lithographic with poor visible porosity, no show or odor

LS as above, no show or odor

LS, gray to cream, micro-xln, mostly lithographic with poor visible porosity, no show or odor

LS as above, no show or odor

F
LS, cream to gray with some very scattered brown, micro-xln, mostly lithographic with poor visible porosity, some scattered with some secondary re-crystallization, some very scattered slightly fossiliferous, no show or odor

F

LS, mostly cream with some scattered gray, micro-xln, lithographic with poor visible porosity, no show or odor

C
LS as above, some scattered soft and chalky in part, with slight influx gray red shale with trace green

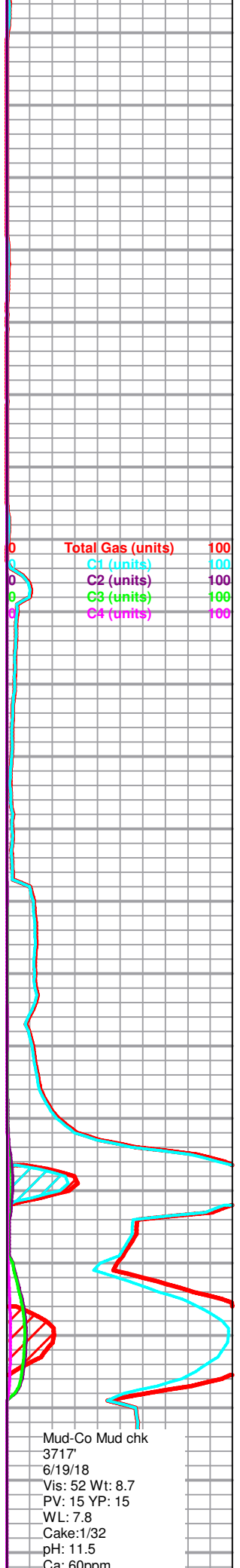
Heebner 3692 (-1788)
Shale, black carbonaceous

Toronto 3710 (-1806)

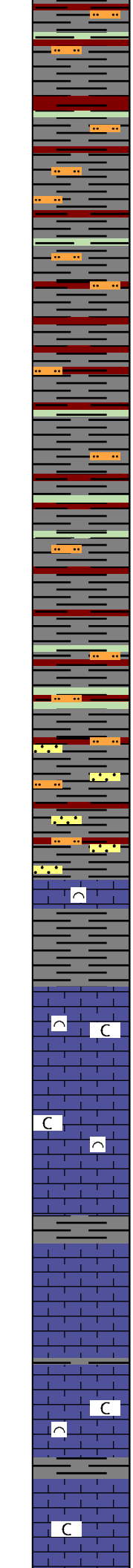
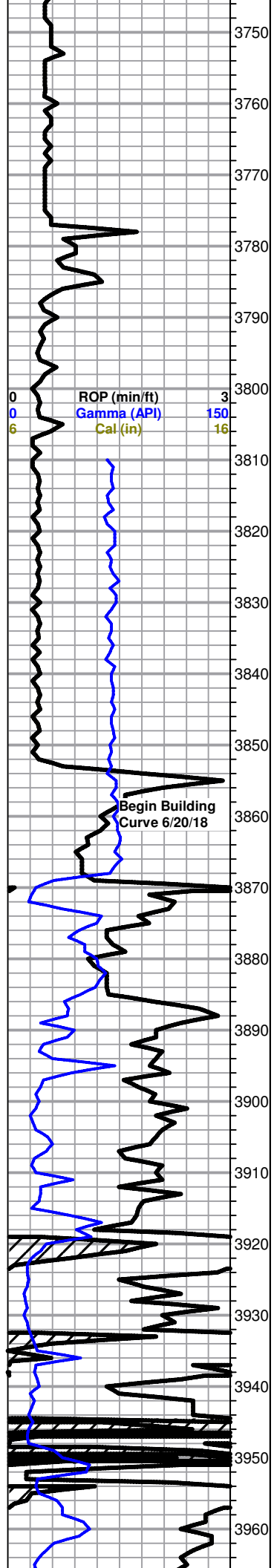
LS, cream to white with some scattered light gray, micro-xln, lithographic with poor visible porosity, no show or odor

Douglas 3742 (-1839)
Very fine small muddy congl. shale, gray and red with some

Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100



Mud-Co Mud chk
3717'
6/19/18
Vis: 52 Wt: 8.7
PV: 15 YP: 15
WL: 7.8
Cake: 1/32
pH: 11.5
Ca: 60ppm
CHL: 4,000ppm



Very poor small muddy samples, shale, gray and red with some scattered green, soft and waxy, some silty, with abundant LS, no show or odor

Very poor sample as above, no show or odor

As above, no show or odor

As above, very poor samples

Samples cleaned up, mostly gray shale with some scattered red, some silty, with some scattered SS, light gray, vf-f grained, sub-rounded to angular, poorly sorted, most very dense with some scattered fairly friable, no show or odor

Brown Lime 3868 (-1964)
 Shale and SS as above, with some cream to brown LS, some fossiliferous, dense with no visible porosity, no show or odor

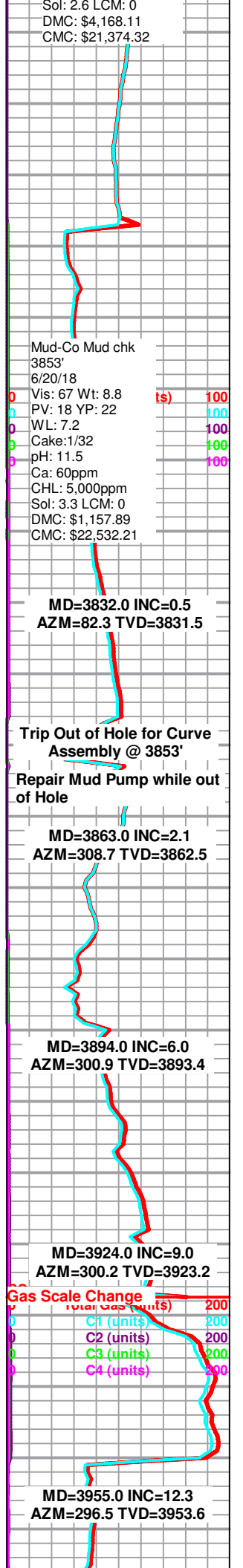
Lansing 3885 (-1981)
 LS, mostly cream with some scattered brown and gray, micro-xln, lithographic to fossiliferous, dense with poor visible porosity, some very scattered white, soft and chalky, no show or odor

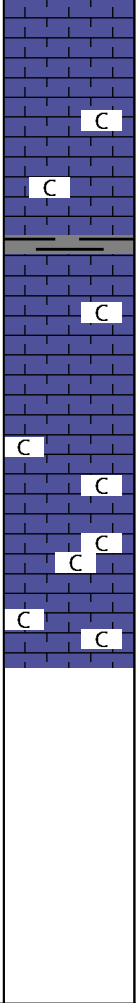
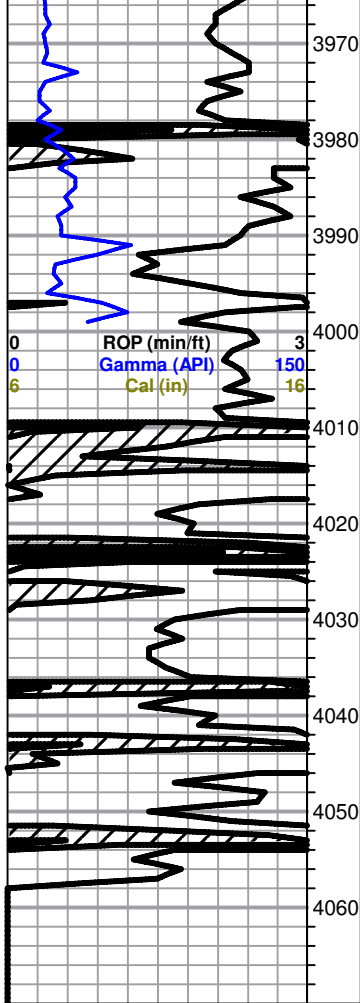
LS, cream to gray with some scattered brown, micro-xln, fossiliferous to lithographic, dense with poor visible porosity, no show or odor

LS, mostly cream with some scattered gray, micro-xln, mostly lithographic with poor visible porosity, no show or odor

LS, cream to gray, micro-xln, lithographic to slightly fossiliferous with poor visible porosity, slightly chalky, no show or odor

Very poor finely crushed sample, mostly cream LS, slightly chalky, no show or odor





As above, fairly chalky, no show or odor

Very finely crushed sample, mostly cream LS with some gray, micro-xln, lithographic to slightly fossiliferous with poor visible porosity, fairly chalky, no show or odor

As above, with influx soft and chalky, very chalky, no show or odor

****Blocks Dropped @ 4070****
Geologist Jeremy Schwartz off Location 6/21/18

Repair Rig/Fishing & Drill String Recovery Unsuccessful/Rig Released 1200hrs 7/7/18

Skid Rig 25' to the West and Rig Up to Spud New Hole**

****Please see Brubaker 1-17H Redrill GeoLog to pick up where this one left off****

