



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

Well Name: Harting #1

Location: 7-4S-22W

License Number: API: 15-137-20732

Spud Date: 05/26/15

Surface Coordinates: 435' FSL, 1390' FWL

Region: Norton Co., KS

Drilling Completed: 06/01/15

Bottom Hole

Coordinates:

Ground Elevation (ft): 2302

K.B. Elevation (ft): 2307

Logged Interval (ft): 2800

To: 3800

Total Depth (ft): 3800

Formation: Granite

Type of Drilling Fluid: Chemical

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

OPERATOR

Company: White Exploration, Inc

Address: 1635 N. Waterfront Pkwy, Ste. 100
Wichita, KS 67206

GEOLOGIST

Name: Andrew White

Company: White Exploration, Inc

Address:

Remarks

Due to positive DST results, the decision was made to run production casing and perforate the Lansing 'J'

General Info

Drilling Contractor: WW Rig 8

Logs: Open Hole Solutions/Nabors

Compensated Density/Neutron, Dual, Micro, Sonic

Drilling Mud: Mudco/Service Mud, Inc.

Surveys: 304'-1/2, 3494'-1, 3630'-1, 3800'-1.25

Daily Status

05/26/15: Spud @ 5:45 P.M. Drill 12-1/4" Surface hole to 304' Ran 7 Joints 8-5/8" 23# Surface Casing, cemented w/ 225 sacks of Common cement, 3% CC, 2% gel
 05/27/15: Waiting on Cement @ 7, Start drilling out @7:30 A.M
 05/28/15: Drilling ahead @ 2435'
 05/29/15: Drilling ahead @ 3365'
 05/30/15: Drilling ahead @ 3520'
 05/31/15: Drilling ahead @ 3682'
 06/01/15: Logging well, Ran 5-1/2" guide Shoe and 91 Joints of new 5-1/2", 14#, S-55 Production Casing. mix and pump 12 bbls Super Flush and 140 Sacks of Allied Special Blend Class A Cement with 6# of CA-200, 5.5% CA-500, 2% gel, and 5# Kol-Seal/sack.

| White Exploration, Inc. | | |
|-------------------------|------|-------|
| Harting #1 | | |
| Sec 7-4S-22W | | |
| 435' FSL, 1490' FWL | | |
| KB: 2307 | | |
| Sample | Log | Datum |
| Anhydrite | 1921 | 1926 |
| B. Anhydrite | 1951 | 1958 |
| Heebner | 3430 | 3430 |
| Toronto | 3457 | 3460 |
| Lansing | 3470 | 3476 |
| BKC | 3656 | 3660 |
| Arbuckle | 3720 | 3718 |
| Reagan Sand | NA | 0 |
| Granite Wash | 3745 | 3736 |
| | | -1123 |
| | | -1153 |
| | | -1169 |
| | | -1353 |
| | | -1411 |
| | | -1429 |

| Hummon | | |
|--------------|-----|--|
| Harting #1 | | |
| Sec 8-4S-22S | | |
| C-NE-NE-SW | | |
| KB: 2368 | | |
| Relationship | | |
| | +27 | |
| | +22 | |
| | +28 | |
| | +20 | |
| | +23 | |
| | +29 | |
| | +41 | |
| | NA | |
| | NA | |
| | +64 | |

| Great Plains | | |
|---------------------|-----|--|
| Hill #1 | | |
| Sec 20-4S-22W | | |
| 375' FNL, 1070' FWL | | |
| KB: 2296 | | |
| Relationship | | |
| | +11 | |
| | +8 | |
| | +15 | |
| | +12 | |
| | +13 | |
| | +19 | |
| | +17 | |
| | NA | |
| | NA | |
| | +39 | |
| | +37 | |

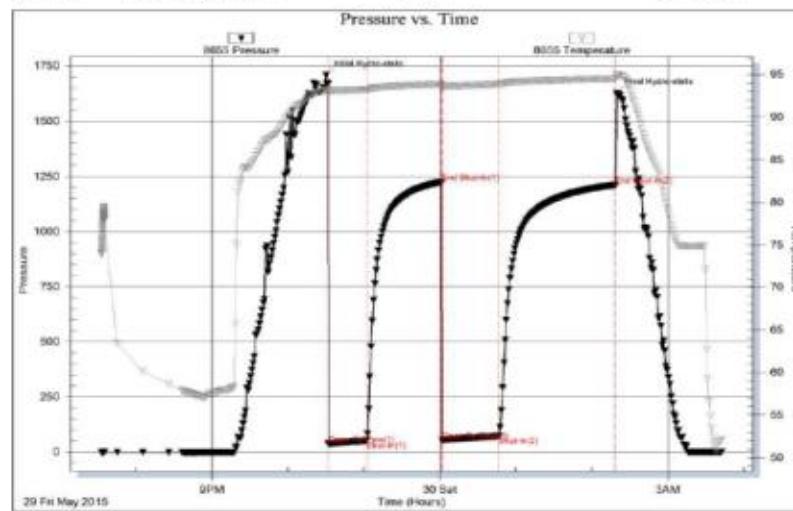
| William and Keller | | |
|---------------------|-----|--|
| Sleffel #1 | | |
| Sec 7-4S-22W | | |
| 4620' FSL, 660' FEL | | |
| KB: 2380 | | |
| Relationship | | |
| | +16 | |
| | +14 | |
| | +17 | |
| | +19 | |
| | +15 | |
| | +17 | |
| | NA | |
| | NA | |
| | +37 | |

Serial #: 8655

Ovalsize: White Explosives, Inc.

Hunting #1

CST Test Number: 1

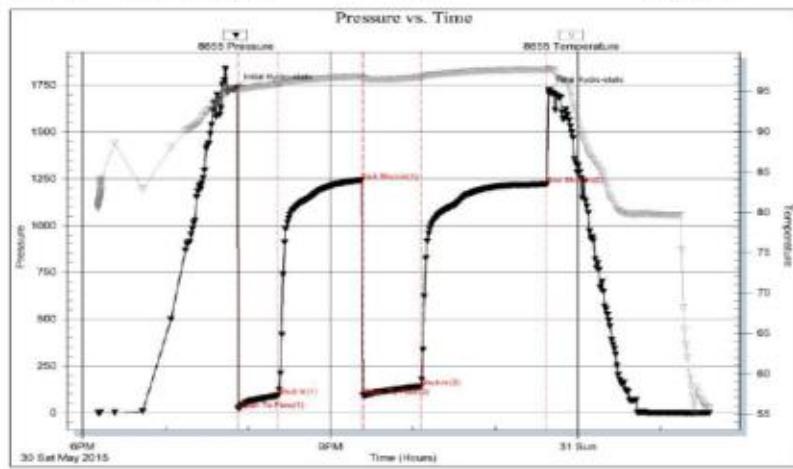


Serial #: 8655

Ovalsize: White Explosives, Inc.

Hunting #1

CST Test Number: 2

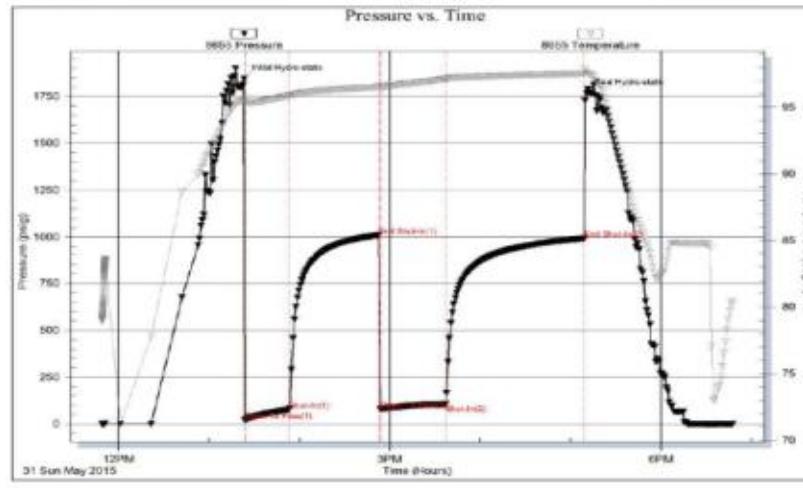


Serial #: 8655

Ovalsize: White Explosives, Inc.

Hunting #1

CST Test Number: 3

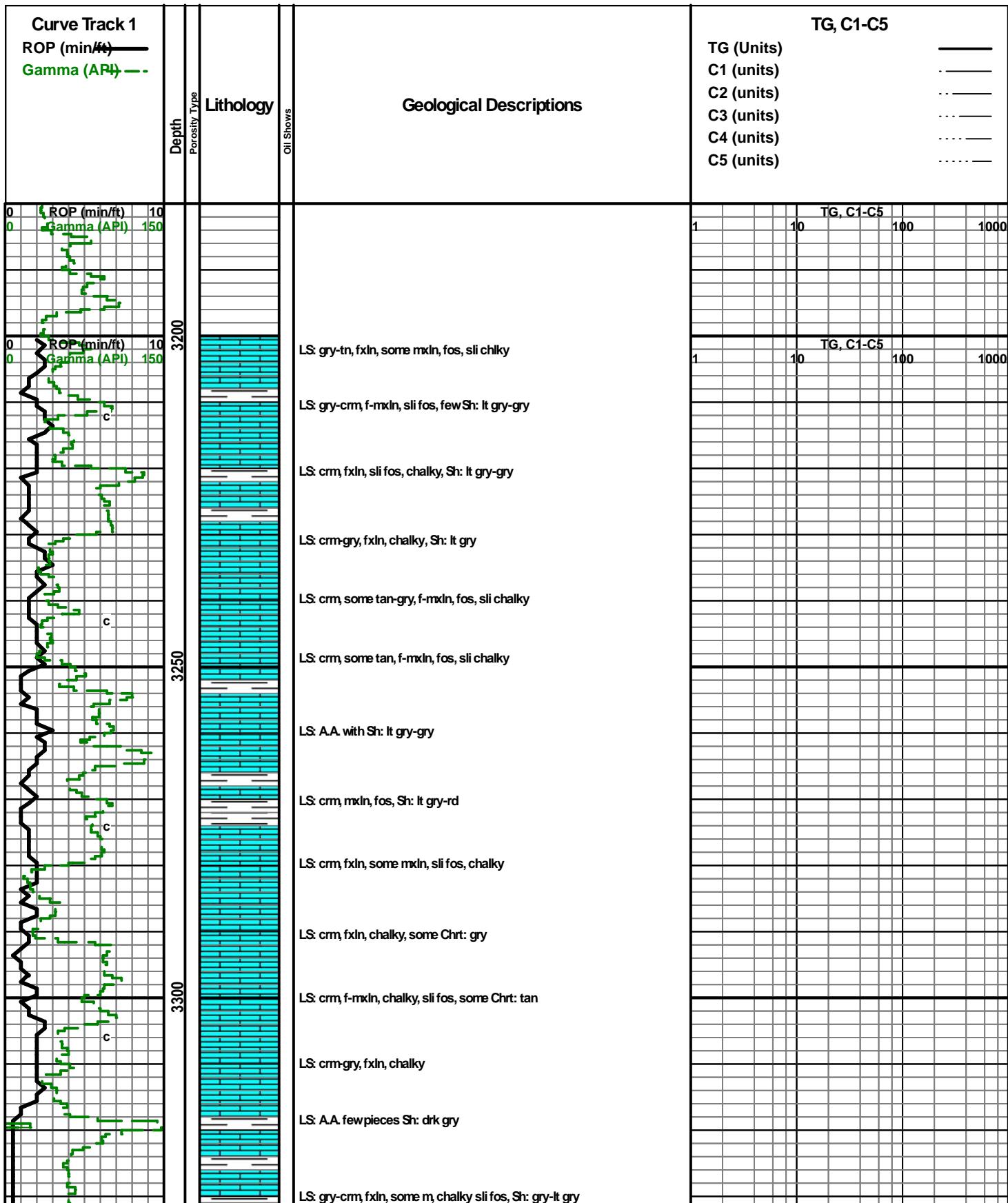


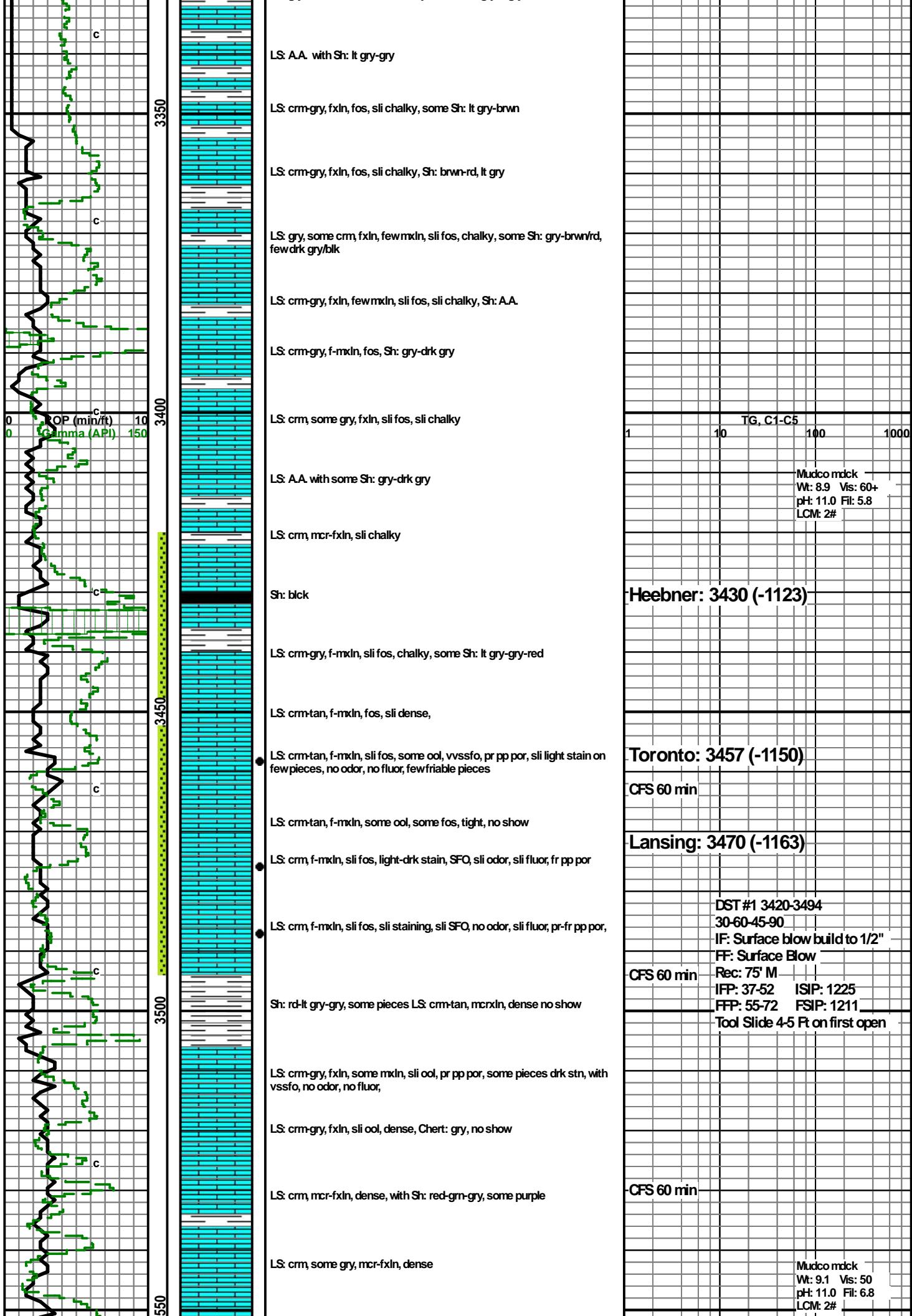
ROCK TYPES

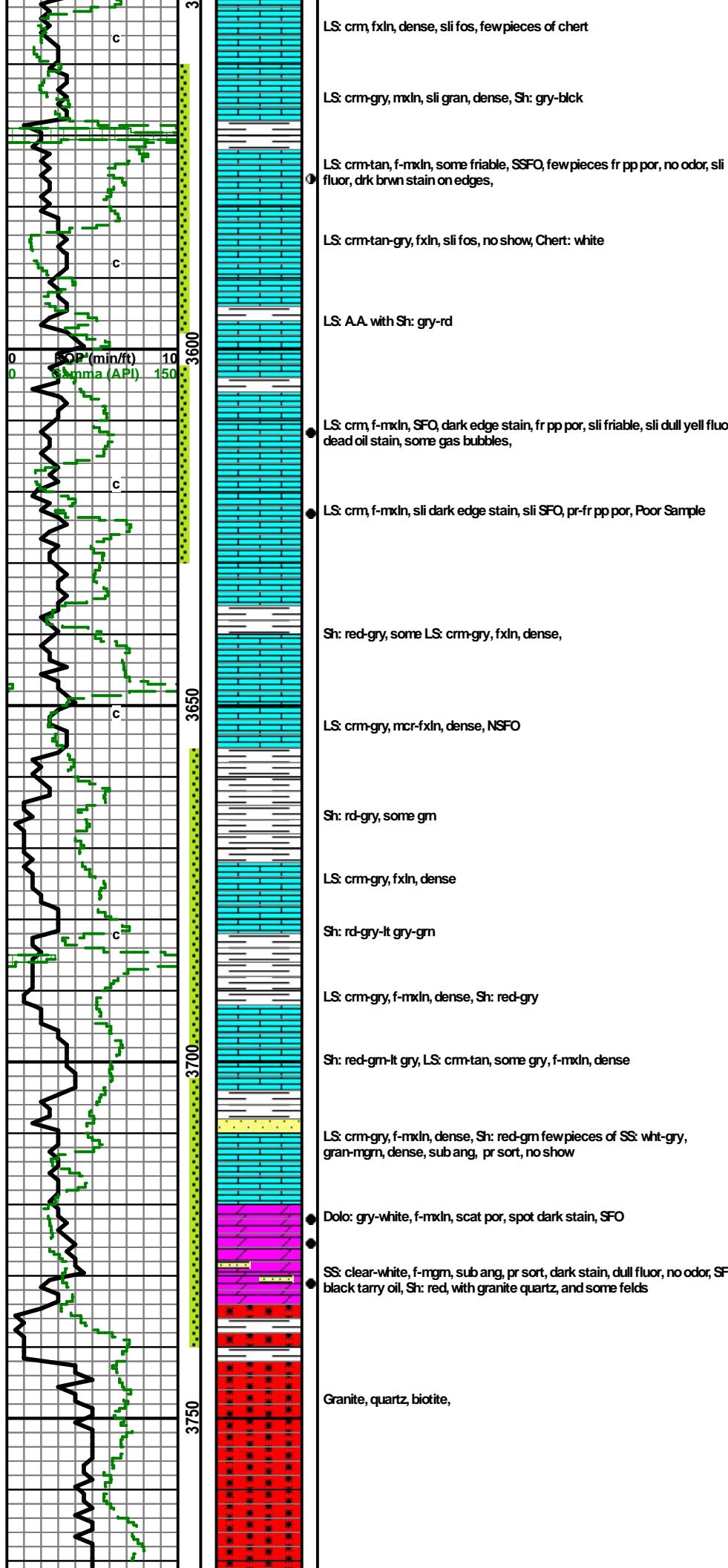
LITHOLOGY

**Arg
Bent
Coal
Dol
Gyp
Ls
Mrst
Slstrg**

Ssstrg
W
Even
Spotted
Ques
Dead







-CFS 60 min

DST #2 3560-3630
30-60-45-90
IF: BOB in 18min
ISI: No blow
FF: BOB in 14min
FSI: 1" in 16min, died in 77min
Rec: 495' GIP, 320' GMCO
10% G, 55% O, 35% M
IFP: 20-92 ISIP: 1240
FFP: 91-139 FSIP: 1221

-CFS 60 min

TG, C1-C5

1 10 100 1000

BKC: 3656 (-1349)

-CFS 60 min

DST #3 3656-3740
30-60-45-90
IF: built to 1.5"
ISI: no blow
FF: built to 2.25"
FSI: no blow
Rec: 150' mud
IFP: 22-76 ISIP: 1009
FFP: 78-105 FSIP: 992

Arbuckle: 3720 (-1413)

Granite Wash: 3745 (-1438)

Mudco mdck
Wt: 9.3 Vis: 54
pH: 10.5 Fil: 6.4
LCM: 1#

