

MUD LOG
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Seele Unit C#1
Location: Thomas County
License Number: API #15-193-20,784-00-00
Spud Date: 12/9/10
Surface Coordinates: 2890' FSL & 990 FWL (S/2 SE SW NW)
Section 36-Township 10S-Range 34 W
Bottom Hole Coordinates: Same as above
No significant deviation from vertical
Ground Elevation (ft): 3200' K.B. Elevation (ft): 3211'
Logged Interval (ft): 3600' To: 4810' Total Depth (ft): RTD-4810' LTD-4810'
Formation: Topeka through Mississippian
Type of Drilling Fluid: Chemical (Mudco) - Reid Atkins, Mud Engineer
Region: Kansas
Drilling Completed: 12-19-10
Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Russell Oil, Inc.
Address: P.O. Box 8050
Edmond, OK 73083

GEOLOGIST

Name: Steven P. Murphy, PG
Company: 3365 County Rd 390
Address: Otis, Kansas 67565
Cell: 620-639-3030
Email: geomurphy55@yahoo.com

FORMATION LOG TOPS

Log-Tech (Hays shop) performed the following open-hole logging operations: Compensated Neutron/Density, Dual Induction, & Microlog. The following are formation tops from the open-hole logs (including datums):

Top Anhydrite: 2683 (+528)
Base Anhydrite: 2708 (+503)
Heebner: 4080 (-869)
Toronto: 4100 (-889)
Lansing: 4122 (-911)
Muncie Creek: 4269 (-1058)
Stark: 4351 (-1140)
Base KC: 4411 (-1200)
Pawnee: 4532 (-1321)
Myrick Station: 4567 (-1356)
Fort Scott: 4592 (-1381)
Cherokee: 4621 (-1410)
Morrow Shale: 4702 (-1491)
Mississippian: 4732 (-1521)

DST RESULTS

The following drill-stem tests were performed by Mike Cochran with Diamond Testing (Hoisington, KS shop):

DST #1: 4584-4605 (Ft. Scott)

30:45:45:60

IF: Built to 5", no return

FF: Built to 4", no return

Recovery: 214' GIP, 60' Clean oil (Gravity 37.6), 30' Oil Cut Mud (15% O, 85% M)

IHP: 2232 FHP: 2225

IFP: 6-23

ISIP: 955

FFP: 24-35

FSIP: 884

BHT: 122 deg F

DST #2: 4630-4710 (Cherokee Johnson Zone)

30:45:60:60

IF: Built to 9", Wk surface return

FF: Built to 8", Wk surface return

Recovery: 120' GIP, 100' Mud Cut Oil (60% O, 40% M), 122' Gassy Heavily Oil Cut Watery Mud (8% G, 39% O, 6%W, 47% M), 122' Gassy Oil Cut Watery Mud (6% G, 12% Oil, 24% W, 58% M)

IHP: 2335 FFP: 2329

IFP: 30-72

ISIP: 372

FFP: 163-173

FSIP: 362

BHT: 123 deg F

Chlorides: 26,000 ppm

COMMENTS

The Seele Unit C#1 was drilled by H2 Rig #2 (toolpusher Steve Craig).

8 5/8" surface casing was set @ 270 w/270 sacks.

Drilling mud was displaced @ 3526'.

A Bloodhound gas detector unit supplied by Bluestem Environmental was utilized for analysis of total gas, & C1 thru C4, and the results incorporated into this Geological Report (Mudlog).

2300' - 3/4
2797' - 1/2

The drill pipe was strapped @4605' (DST #1):
Strap was 0.58' short to board (No correction made)

Based on the results of DST #1 & DST #2, it was recommended that casing be run to produce the Johnson Zone & Fort Scott.

Sincerely,

Steven P. Murphy, PG
Ks Licensed Geologist (#228)

ROCK TYPES

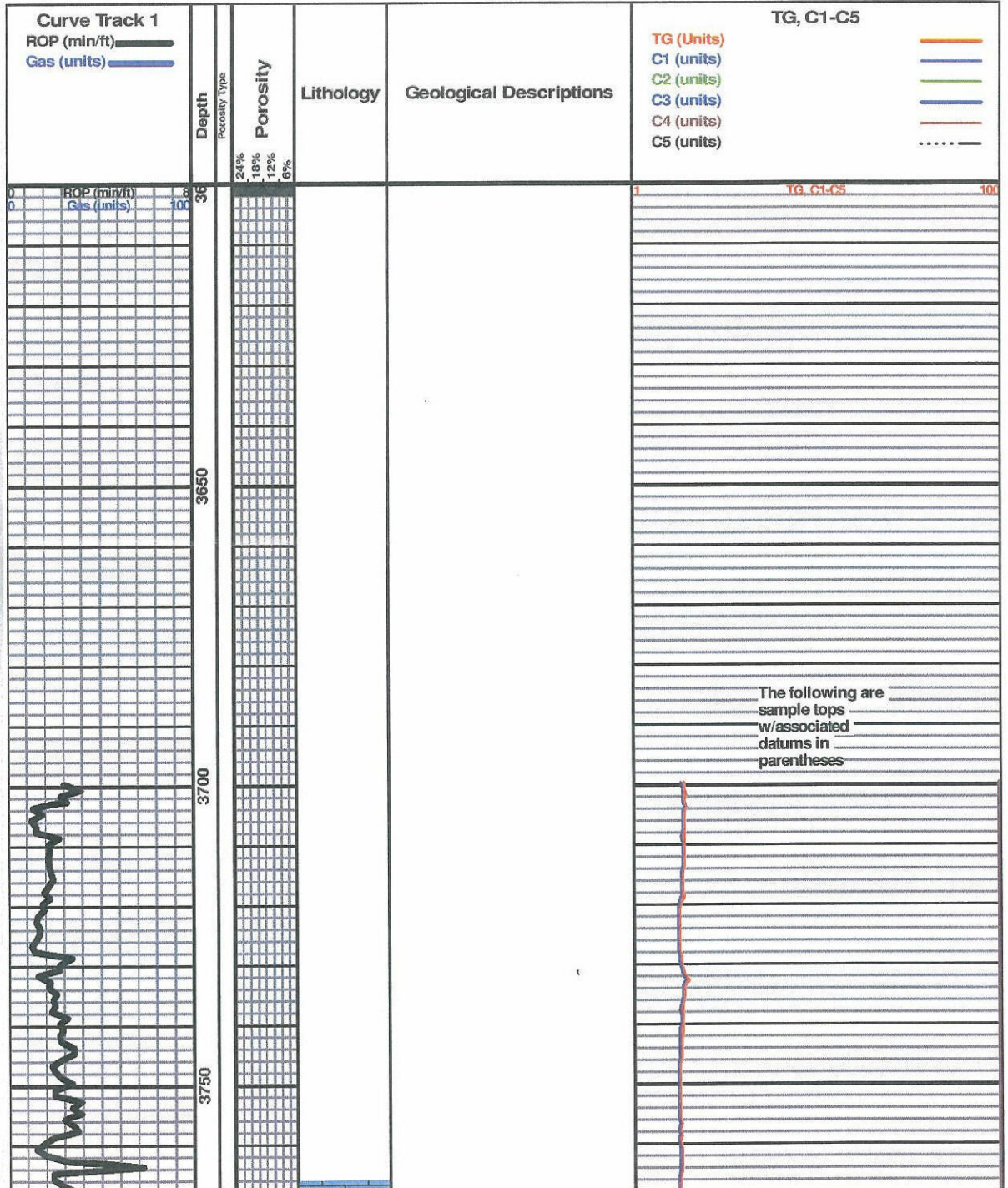
| | | | | |
|------|-------|------|-------|--------|
| Anhy | Clyst | Gyp | Mrst | Shgy |
| Bent | Coal | Igne | Salt | Siltst |
| Brec | Congl | Lmst | Shale | Ss |
| Cht | Dol | Meta | Shcol | Till |

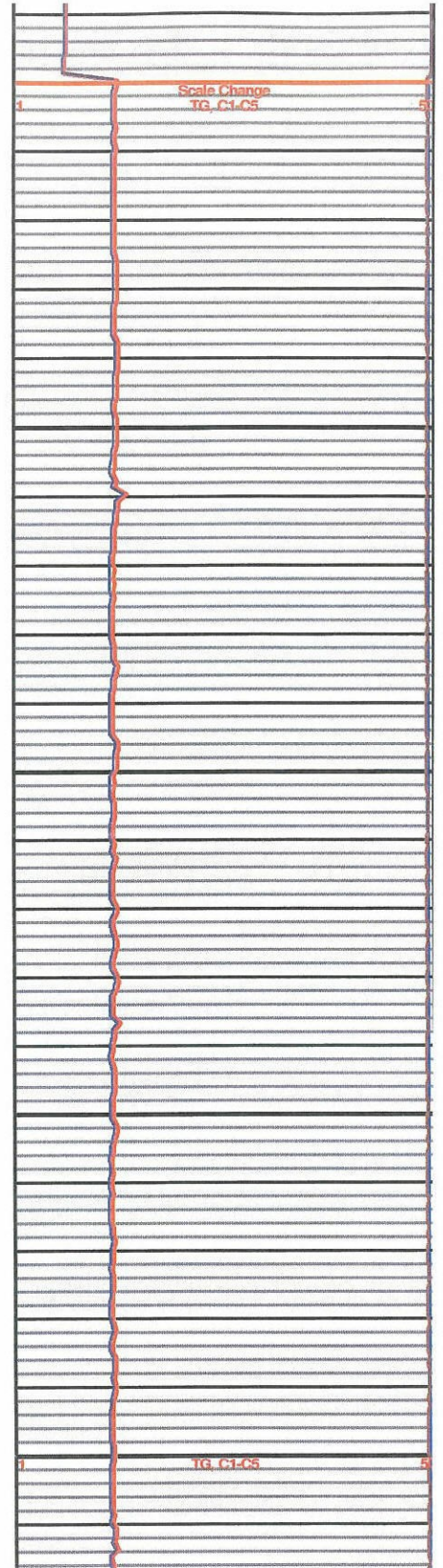
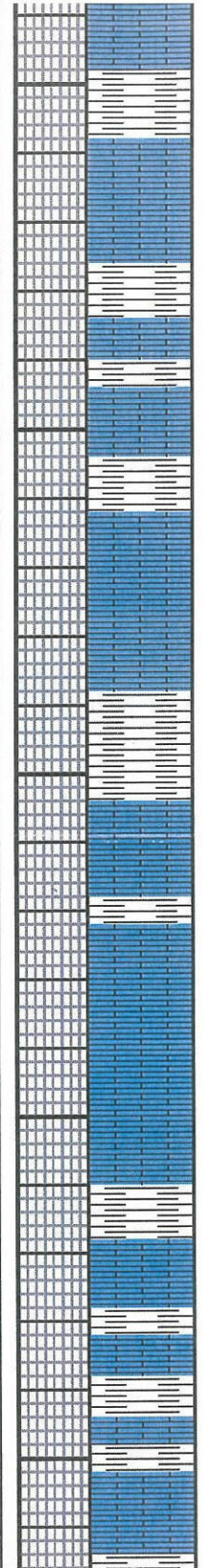
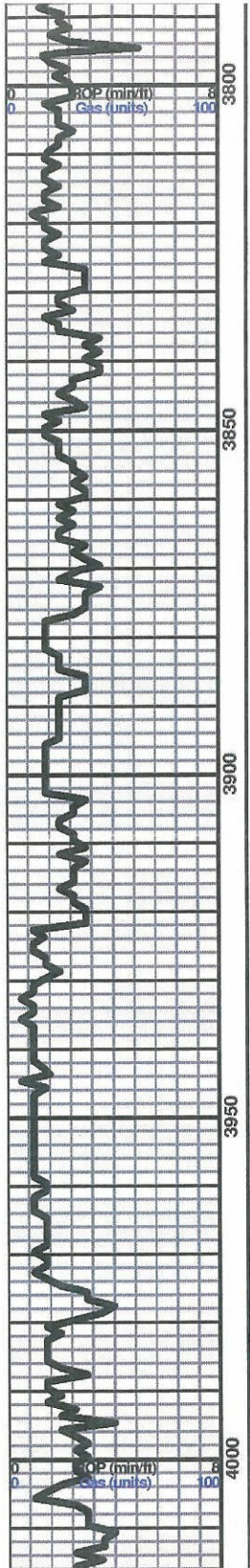
ACCESSORIES

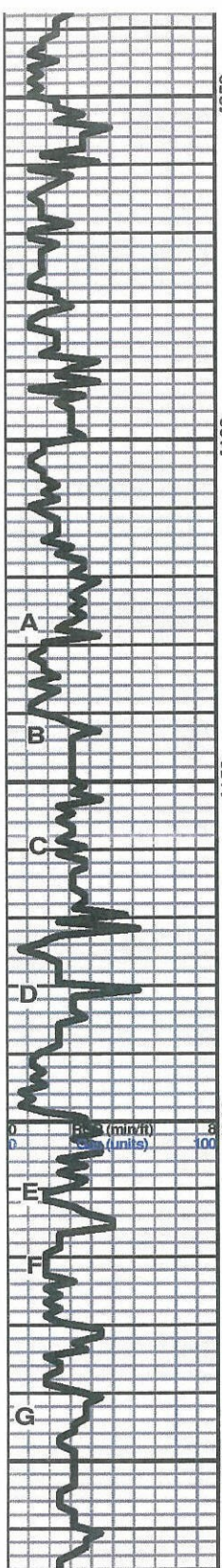
| | | | | |
|----------------|---------|---------------|-----------------|----------------|
| MINERAL | Gyp | FOSSIL | Ostra | Siltstrg |
| Anhy | Hvymn | Algae | Pelec | Ssstrg |
| Arggrn | Kaol | Amph | Pellet | TEXTURE |
| Arg | Marl | Belm | Pisolite | Boundst |
| Bent | Minxl | Bioclst | Plant |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

OTHER SYMBOLS

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







4050

LS: tan-gry, fxdn, fr inxdn por, chalky, shaley, NS

LS: tan-gry, fxdn, fr inxdn por, chalky, shaley, NS

SH: blk, carb

SH: gry-grn-blk

4100

LS: crm-tan, fxdn, fr inxdn por, NS

LS: crm-tan, vfxdn, dense, NS

SH: gry-grn

LS: wh-tan, vfxdn, dense, NS

4150

SH: grn-gry

LS: wh-tan, fxdn, pr-fr inxdn por, ssfo, sl stn, sl odor

SH: gry-grn-brn

LS: crm-tan, fxdn, pr-fr inxdn por, mostly dense, ssfo, fr stn, sl odor

LS: crm-tan, vfxdn, dense, NS

4200

SH: gry-blk-grn

LS: wh-gry, fxdn, fr inxdn por, vssfo, gils stn, sl odor

LS: crm-tan, fxdn, fr ppt/vug por, ssfo, fr stn, sl odor

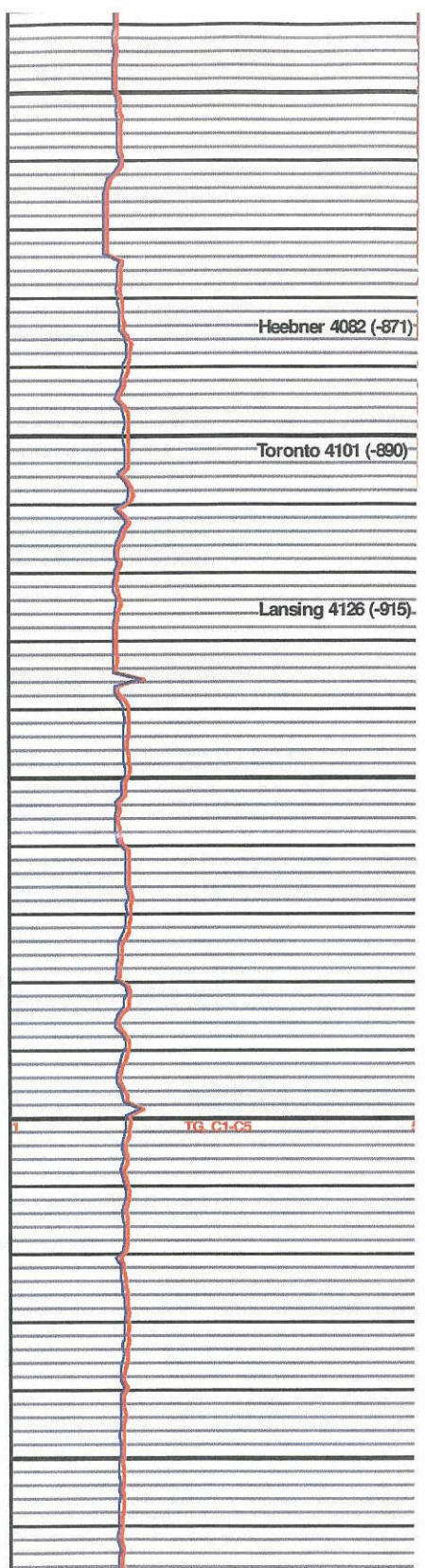
LS: wh-crm, fxdn, oolic, fr por, NS

LS: wh-tan, fxdn, oolic, fr inxdn/intool por, NS

LS: wh-tan, fxdn, oolic, fr inxdn/intool por, NS

4250

SH: gry-blk-grn

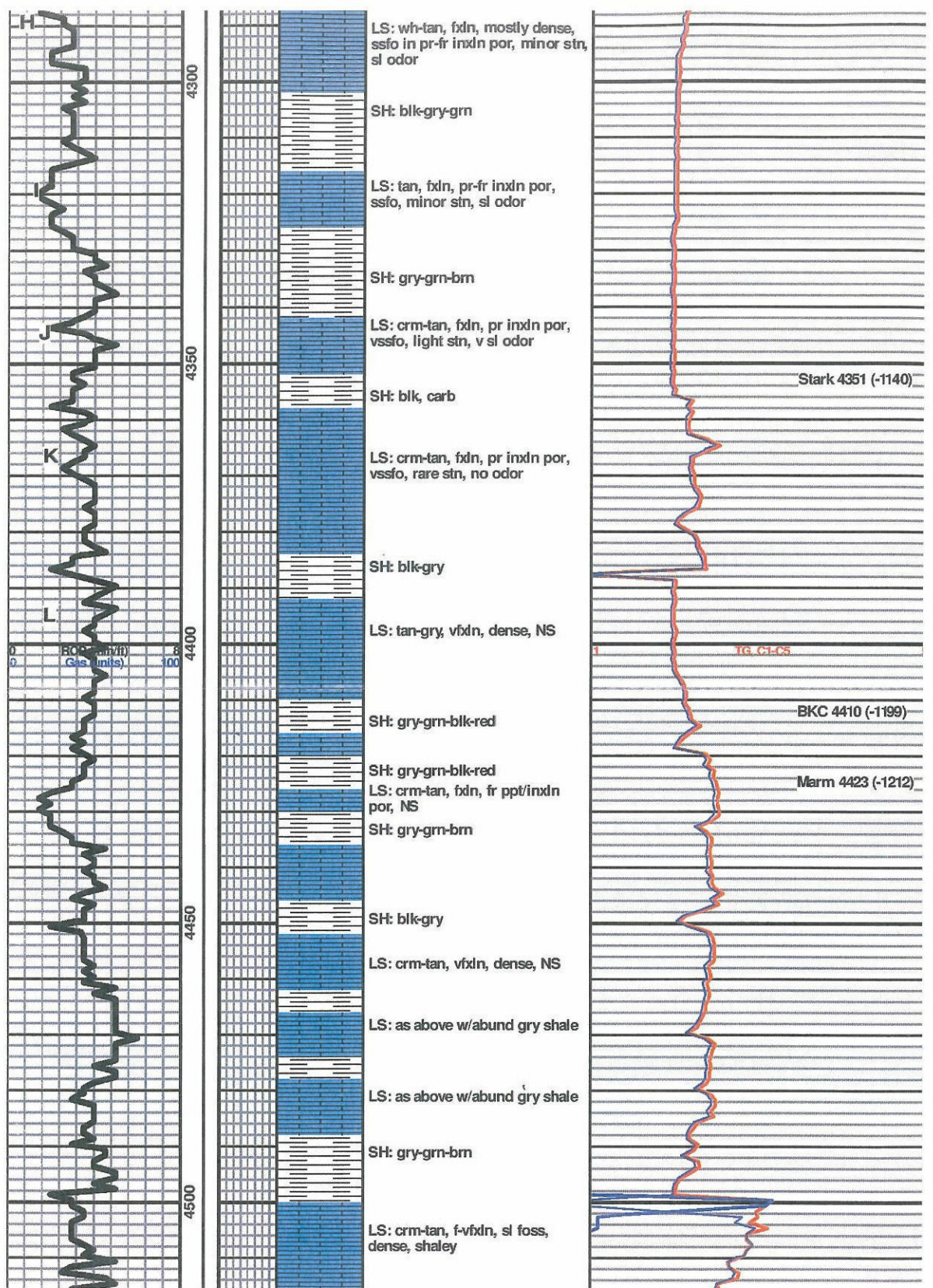


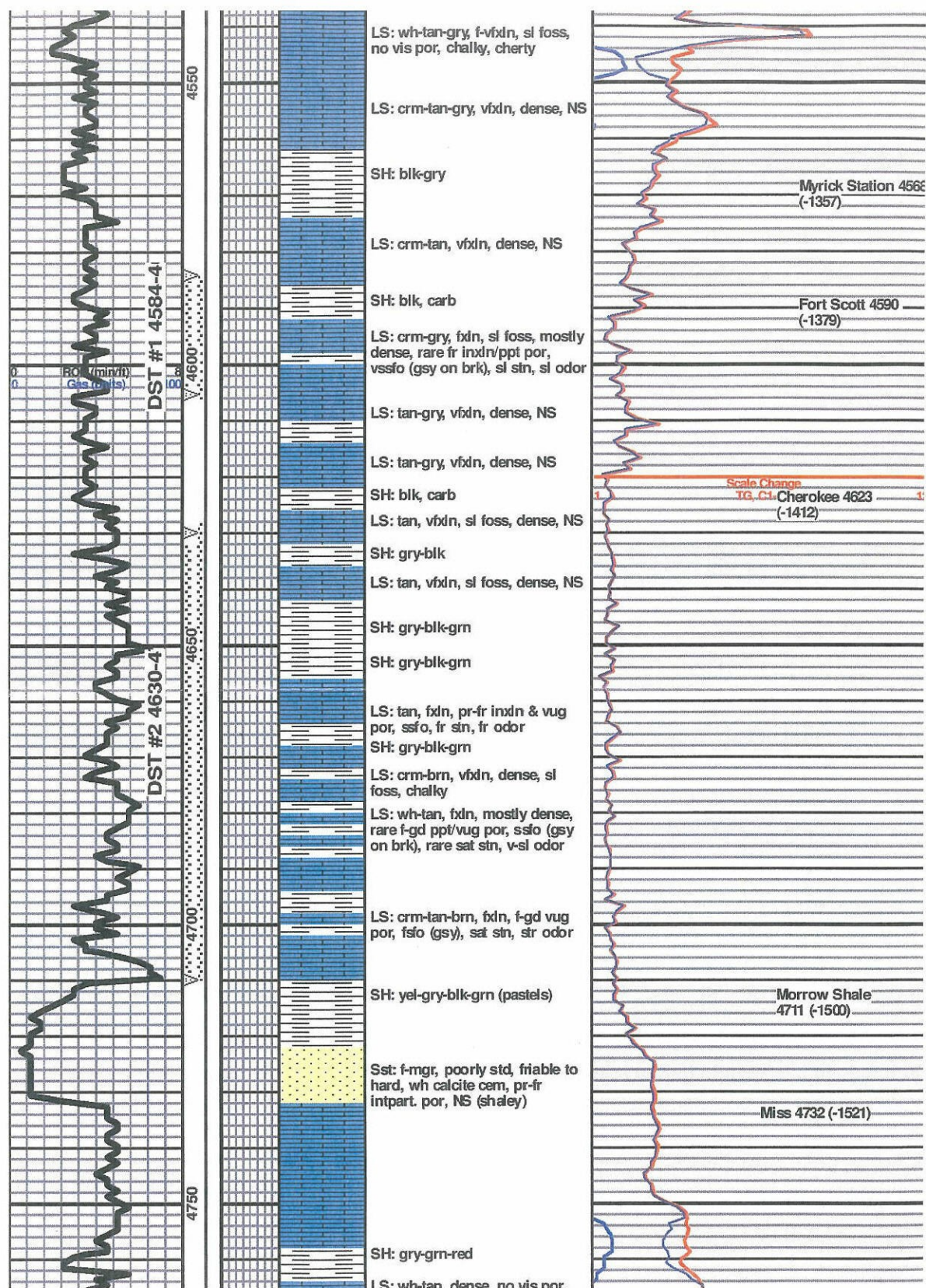
Heebner 4082 (-871)

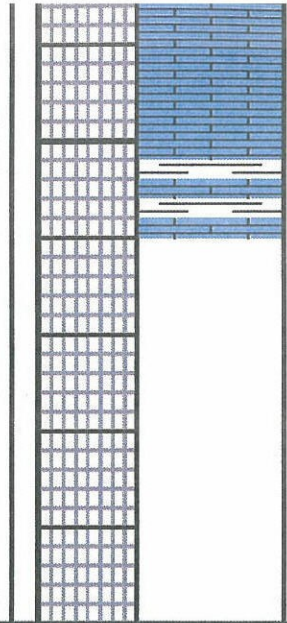
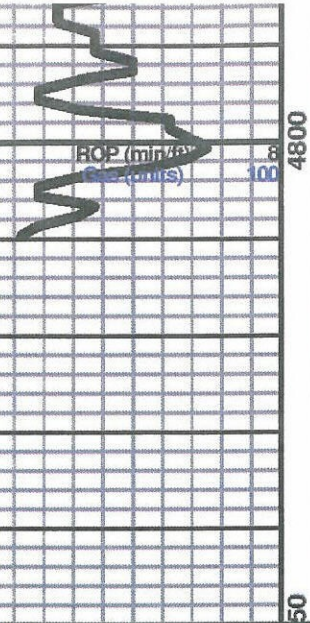
Toronto 4101 (-890)

Lansing 4126 (-915)

TG C1-C8

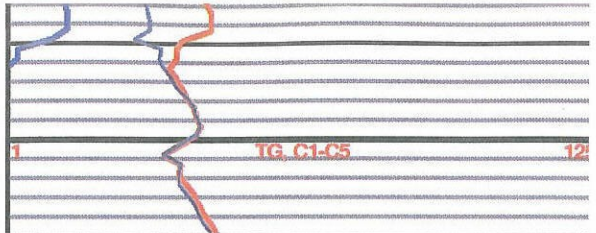






LS: wh-tan, vfxdn, sl foss, dense

LS: wh-tan, vfxdn, sl foss, dense,
abund gry shales



NOTE: increase in
gas from dumped
oil from DST #2, no
shows visible in
samples below test
interval