

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).

The following deviation surveys were taken by wireline:

270' - 3/4

773' - 1/4

1260' - 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	Mrlst	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
Arggrm	Kaol	Amph	Pellet	TEXTURE
Arg	Marl	Belm	Pisolite	Boundst
Bent	Minxl	Bioclst	Plant	Chalky
Bit	Nodule	Brach	Strom	Cryxln
Brecfrag	Phos	Bryozoa	STRINGER	Earthy
Calc	Pyr	Cephal	Anhy	Finexln
Carb	Salt	Coral	Arg	Grainst
Chtdk	Sandy	Crin	Bent	Lithogr
Chlft	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		Rounded	Ques	Rft
Fenest	SORTING	Subrnd	Dead	Sidewall
Fracture	Well	Subang	INTERVAL	
Inter	Moderate	Angular	Core	
Moldic	Poor	OIL SHOW	Dst	
Organic		Even		
Pinpoint				







Curve Track 1
 ROP (min/ft) 
 Gas (units) 

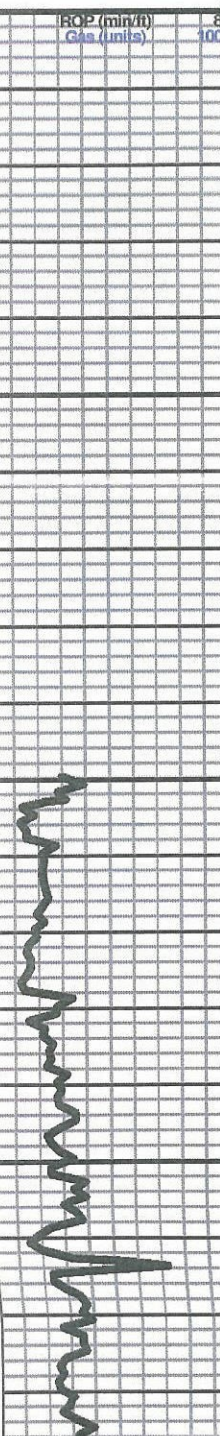
Depth
 Porosity Type

Porosity
 24%
 18%
 12%
 6%

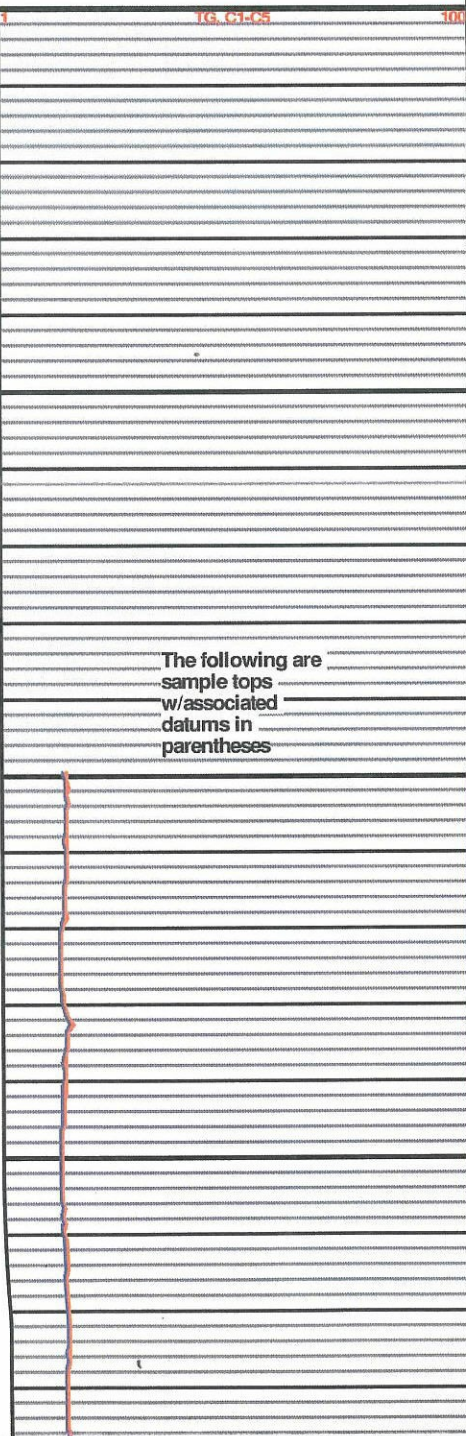
Lithology

Geological Descriptions

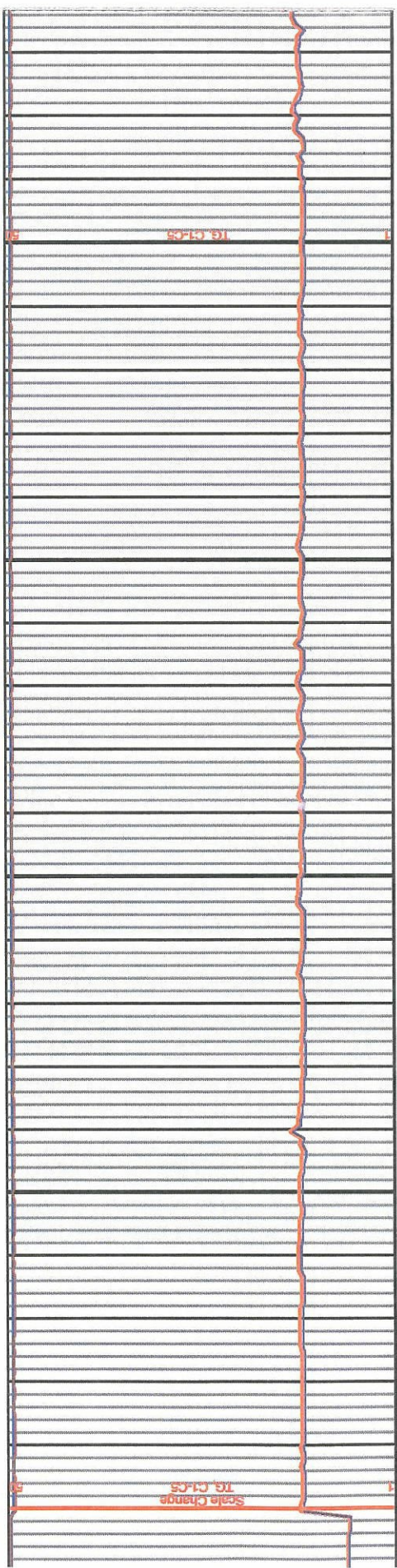
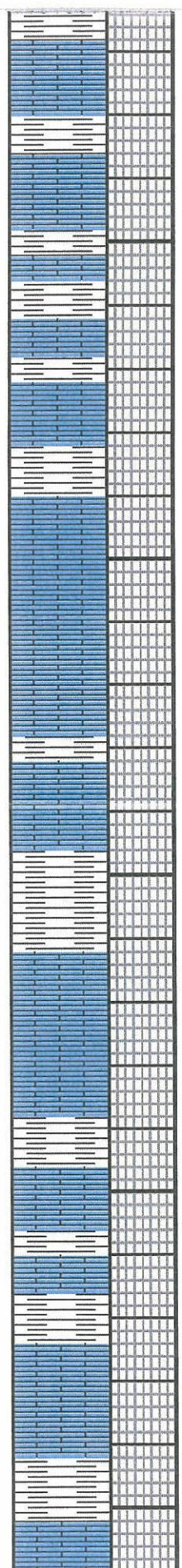
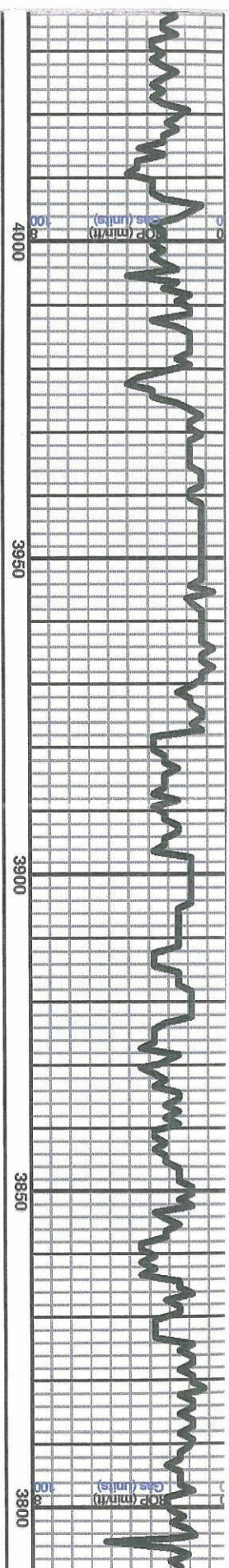
TG, C1-C5
 TG (Units) 
 C1 (units) 
 C2 (units) 
 C3 (units) 
 C4 (units) 
 C5 (units) 

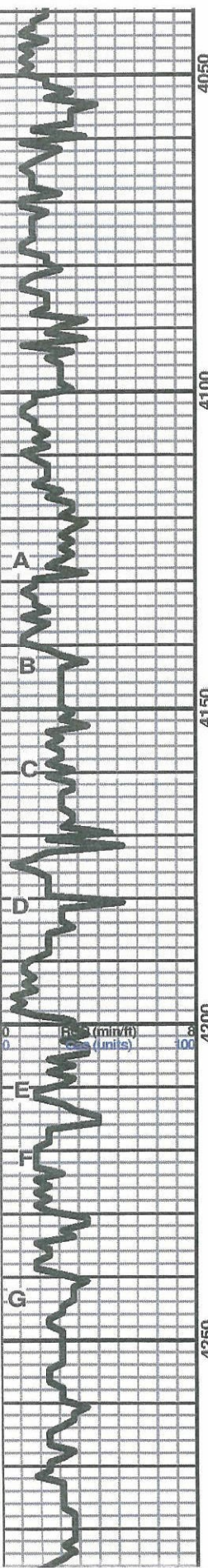


Geological Descriptions



The following are
 sample tops
 w/associated
 datums in
 parentheses





LS: tan-gry, fxdn, fr inxn por, chalky, shaley, NS
LS: tan-gry, fxdn, fr inxn por, chalky, shaley, NS
SH: blk, carb
SH: gry-grn-blk
LS: crm-tan, fxdn, fr inxn por, NS
LS: crm-tan, vfxn, dense, NS
SH: gry-grn
LS: wh-tan, vfxn, dense, NS
SH: grn-gry
LS: wh-tan, fxdn, pr-fr inxn por, ssfo, sl stn, sl odor
SH: gry-grn-brn
LS: crm-tan, fxdn, pr-fr inxn por, mostly dense, ssfo, fr stn, sl odor
LS: crm-tan, vfxn, dense, NS
SH: gry-blk-grn
LS: wh-gry, fxdn, fr inxn 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 inxn/intool por, NS
LS: wh-tan, fxdn, oolic, fr inxn/intool por, NS
SH: gry-blk-grn
SH: blk-gry
SH: gry-grn-brn-blk

