



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

Well Name: Peterson #1
Location: 7-29S-40W
License Number: API: 15-187-21335
Spud Date: 01/25/16
Surface Coordinates: 2140' FNL, 1990' FEL

Region: Stanton Co., KS
Drilling Completed: 02/01/16

**Bottom Hole
Coordinates:**
Ground Elevation (ft): 3308 **K.B. Elevation (ft):** 3319
Logged Interval (ft): 4200 **To:** 5700 **Total Depth (ft):** 5700
Formation: Mississippian
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
St. 100
Wichita, KS, 67206

GEOLOGIST

Name: Andrew White
Company: White-Exploration
Address:

Remarks

Due to log evaluation, production casing was decided to be run on the Peterson #1 to evaluate the Keyes

General Info

Drilling Contractor: Murfin Rig 21

Logs: ELI Wireline Services
Compensated Density/Neutron, Dual, Micro, Sonic

Drilling Mud: Mudco/Service Mud, Inc.

Surveys: 652'-.25, 1001'-.25, 1733'-.5, 2588'-.5, 3603'-.25, 5700',1.25

Daily Status

01/25/17: Spud Well @ 1:45 p.m.

01/26/17: Drilling ahead @ 1065'

01/27/17: Cementing Surface Casing @ 1733', cemented with 595 sacks 65/35 cement with 6% gel, and 3% CC and 1/4# sack Pheno-seal. Followed by 200 sacks Common Cement with 2% CC and 1/4# sack of Pheno-seal. Cement fell 21' from top, fill up with 30 sacks

01/28/17: Drilling ahead @ 2336'

01/29/17: Drilling ahead @ 3949'

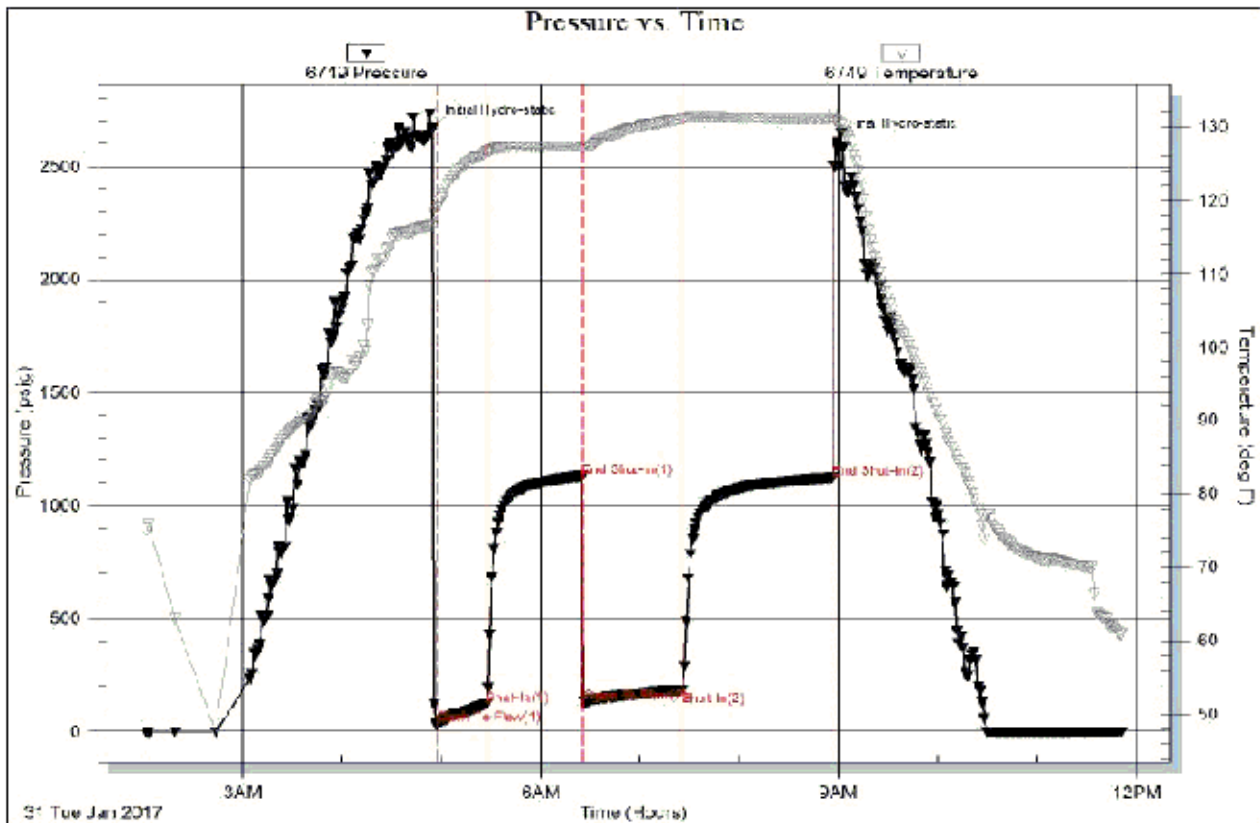
01/30/17: Drilling ahead @ 5124'

01/31/17: Coming out of hole after DST #1 @ 5445'

02/01/17: Circulating for logs @ 5700'


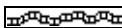
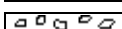
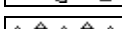
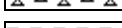


White Ex				White		Huber	
Peterson #1				Out of Sight #1		Pearl Bennett 7-1	
7-29S-40W				7-29S-40W		7-29S-40W	
2140' FNL, 1990' FEL				330' FNL, 1905' FEL		2050' FSL, 1600' FWL	
KB: 3319				KB: 3325		KB: 3326	
Sample	Log	Datum	Relationship			Relationship	
Heebner		3684	-365	+12		+15	
Lansing		3747	-428	+8		+16	
Cherokee	4546	4546	-1227	-4		0	
Morrow	5024	5022	-1703	-9		-6	
LMM	5343	5342	-2023	1		-2	
Miss	5562	5560	-2241	-44		+5	





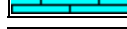

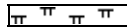

Sarta: 5: 6740 Outside White Exploration Peterson #1 DST Test Number: 1

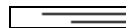
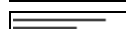














ROCK TYPES






LITHOLOGY

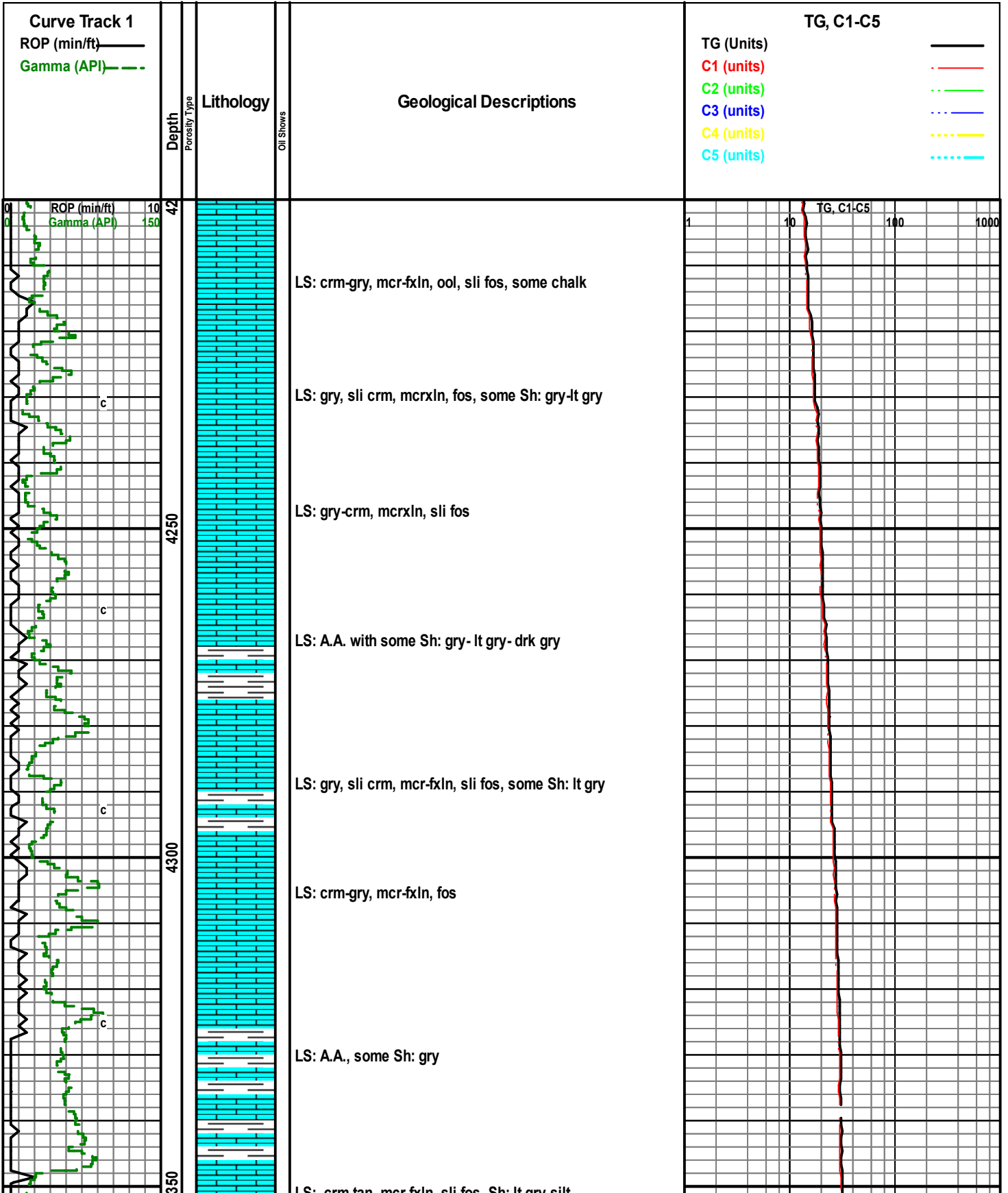
-  Anhy
-  Bent
-  Brec
-  Cht
-  Clyst
-  Coal
-  Congl

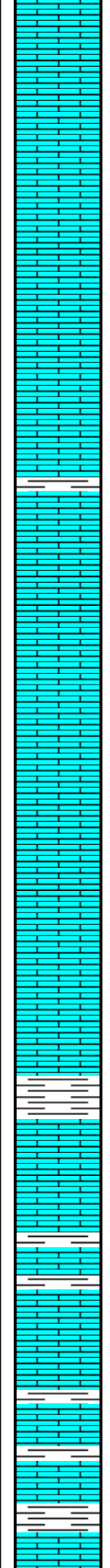
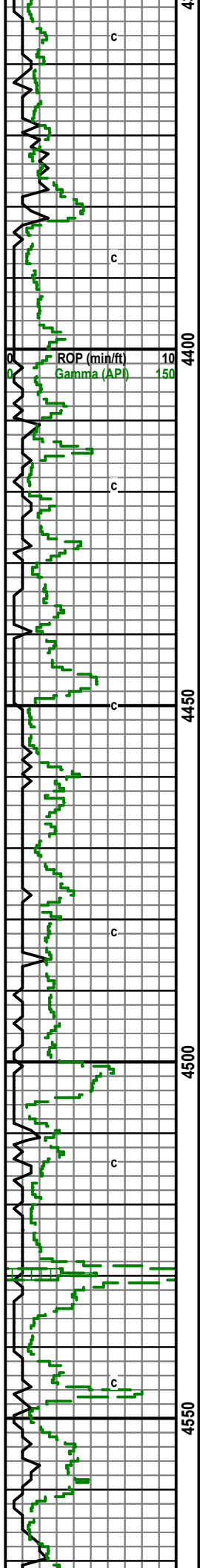
-  Dol
-  Gyp
-  Igne
-  Lmst
-  Meta
-  Mrlst
-  Salt
-  Shale

-  Shcol
 -  Shgy
 -  Slstst
 -  Ss
 -  Till
- STRINGER**
-  Anhy

-  Arg
-  Bent
-  Coal
-  Dol
-  Gyp
-  Ls
-  Mrst
-  Slststrg

-  Ssstrg
- OIL SHOW**
-  Even
 -  Spotted
 -  Ques
 -  Dead





LS: crm-tan, mcrfxln, sli fos, Sh: lt gry silt

LS: crm, mcrxln

LS: tan-crm, ool, fxln, some white mcrxln, sli chalky

LS: crm, mcrxln, some pieces ool, some Sh: lt gry

LS: crm-tan, mcrxln, some fxln, sli fos, very chalky

LS: crm-gry, mcrxln, some fxln, sli fos, chalky

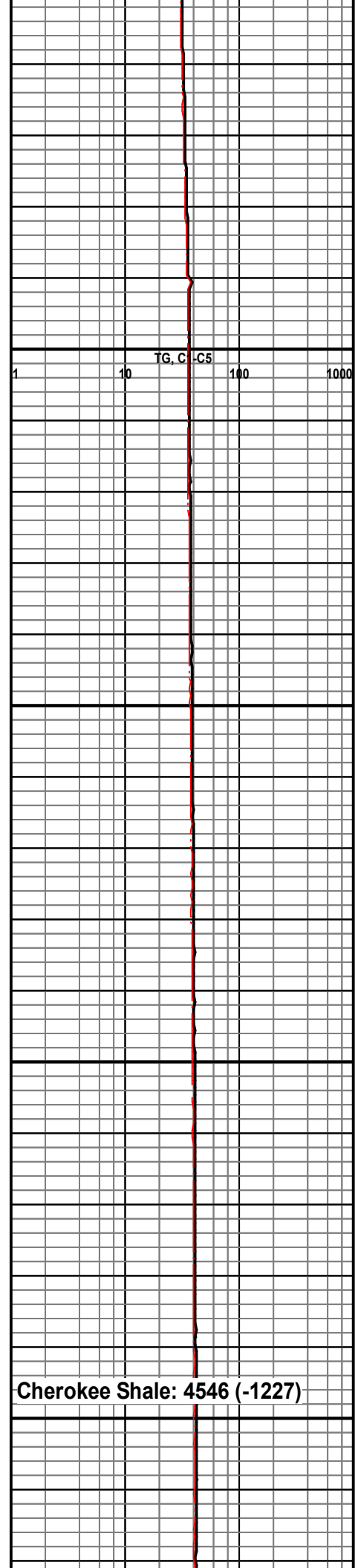
LS: A.A.

LS: gry, mcrxln, some fxln, sli fos, some Sh: gry

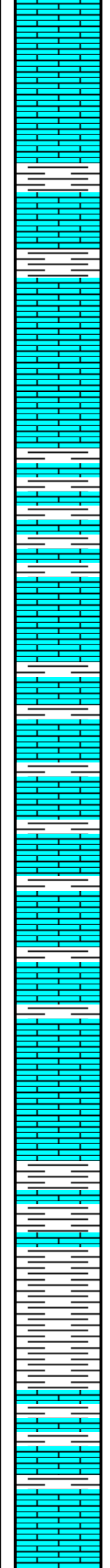
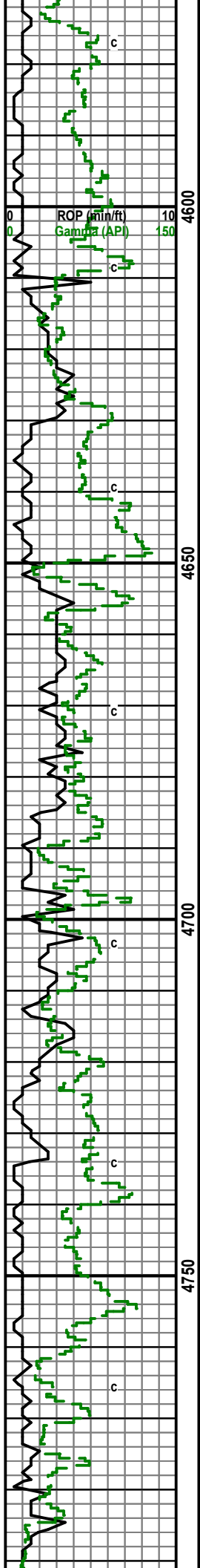
LS: gry-crm, mcrxln, Sh: drk gry, some blk (pr)

LS: crm, sli tan, mcr-fxln, sli chalky (pr)

LS: crm-tan, sli gry, fxln, some mcrxln, sli chalky some Sh: gry-drk gry (pr)



Cherokee Shale: 4546 (-1227)



LS: tan-crm, sli gry, mcrxln, sli fos

Sh: gry-drk gry, some LS: A.A.

LS: crm-gry, mcrxln, sli fos, Sh: gry-drk gry

LS: A.A. with fxln-mxln, Sh: A.A.

A.A.

A.A.

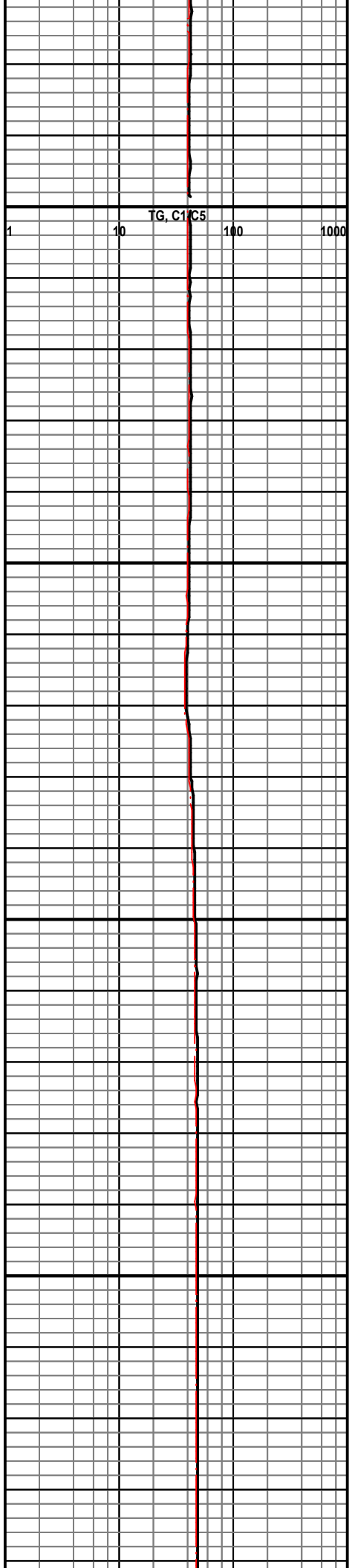
LS: crm, sli tan, mcrxln, sli fos, chalky, Sh: gry- lt gry- drk gry

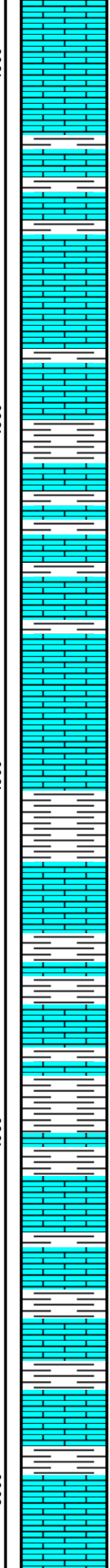
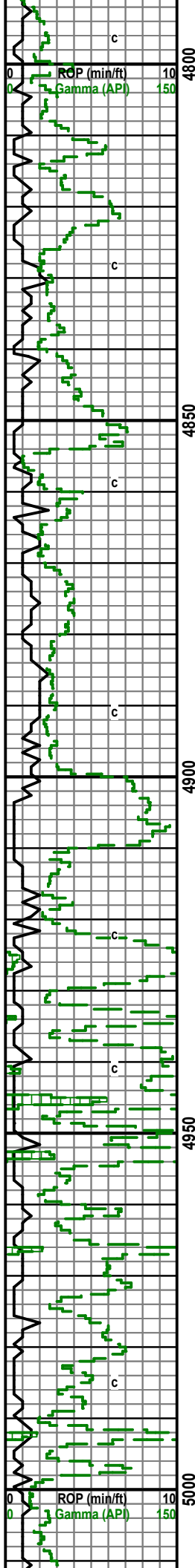
LS: crm-gry, mcrxln, sli fos, Sh: gry- lt gry

Sh: gry-drk gry, some LS: A.A.

Sh: gry -drk gry

LS: crm-sli tan, mcrxln some fxln, sli chalky, Sh: A.A.





c
 ROP (min/ft) 10
 Gamma (API) 150
 4800
 LS: crm-tan, f-mcrxln, fos, sli chalky

 LS: A.A. with Sh: gry-drk gry

 LS and Sh: A.A.

 4850
 Sh: gry- drk gry- lt gry, LS: crm-gry, mcr-fxln, sli fos

 LS: crm-tan, sli gry, Sh: A.A.

 4900
 LS: gry, mcrxln, Sh: gry-drk gry

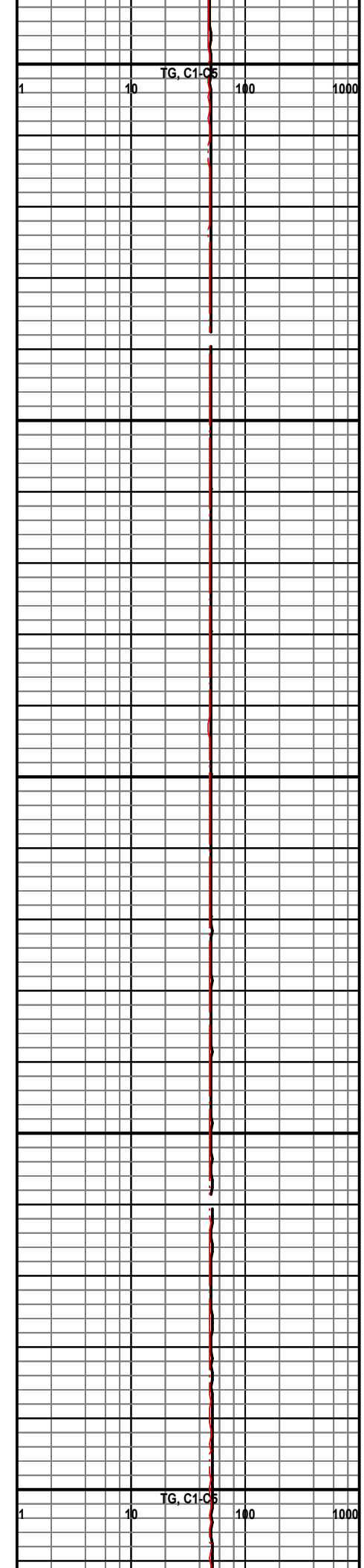
 LS: tan-crm, sli gry mcrxln, Sh: drk gry-gry

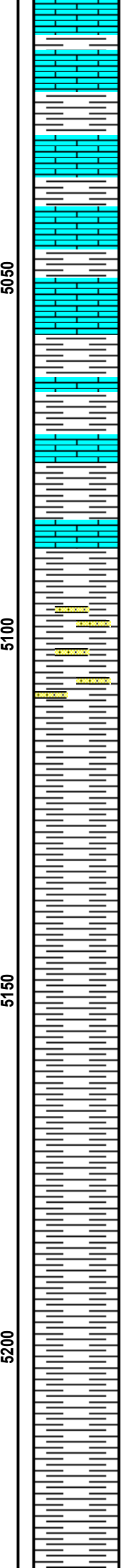
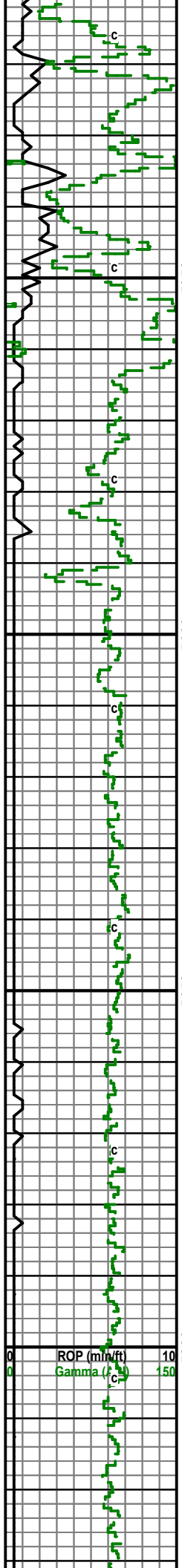
 4950
 A.A.

 A.A.

 LS: gry, sli crm, mcrxln, Sh: drk gry-gry

 5000
 Sh: gry-drk gry- lt gry, some LS: A.A.





Sh: drk gry-gry, LS: gry, sli crm, mcrxln

Sh: A.A., LS: gry-crm, mcr-fxln, sli fos

Sh: A.A. some LS: gry, sli crm-tan, f-mcrxln, sli fos, sli sandy

Sh: A.A., LS: gry, sli tan, f-mcrxln

Sh: A.A., some LS gry-crm-tan, f-mcrxln, sli sandy, few pieces SS: f-vfgrn, well sort, sub round, poss, vvsli gas bubble

Sh: gry-lt gry-drk gry, some silty

Sh: A.A.

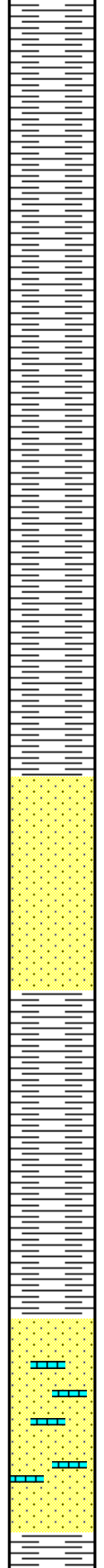
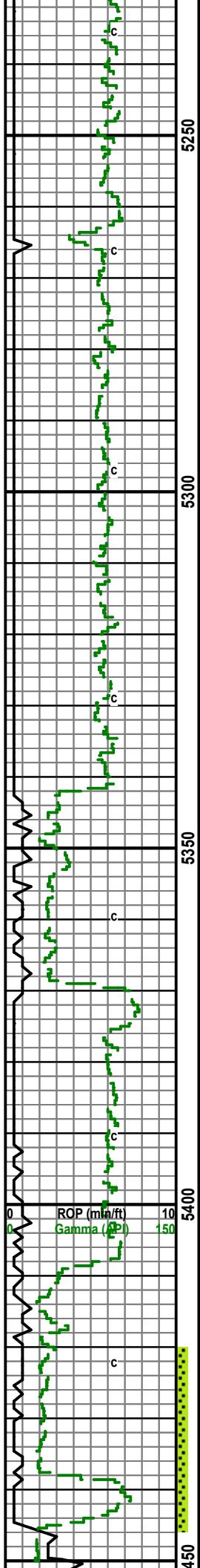
Sh: A.A.

Morrow: 5024 (-1705)

Mudco mdchk
Wt: 9.3 Vis: 63
ph: 11.0 Fil: 6.4
LCM: 16#

ROP (min/ft) 10
Gamma (C) 150

TG, C1-05
1 10 100 1000



Sh: A.A.

Sh: A.A.

SS: clear-opaque, limey, pr sort, ang, no vis por, no show

SS: A.A. with Sh: gry-drk gry

Sh: gry-drk gry- lt gry, some SS: from above

Sh: A.A.

Sh: A.A. with SS: opaque, sli clear, f grn, some mgrn, pr srt, sub ang, glauc, sli pyritie, vssso and gas, pr to dull yellow fluor, no odor, pr-no vis por, sli int por, some dead oil some LS: tan-crm, fxln, some mcrxln, sli sandy in part,

SS: A.A. one piece had frso, LS: and Sh: A.A.

SS: A.A. with more pieces fr SO

Lower Morrow Marker: 5343 (-2024)

Slow RPM from 115-95 TG, C1-C5

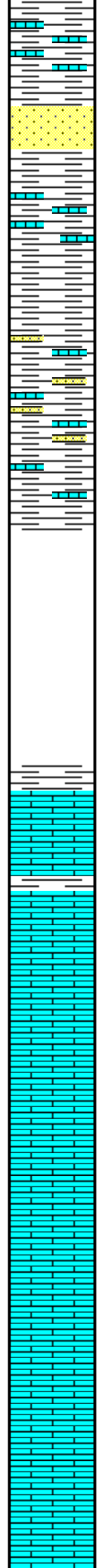
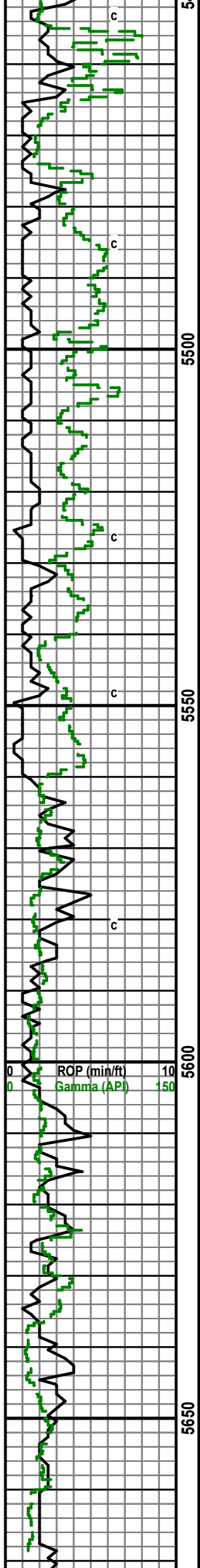
CFS 60 min

CFS 60 min

CFS 60 min

Mudco mdchk
Wt: 9.1 Vis: 64
ph: 11.0 Fil: 6.4

Lost returns on trip in



Sh: gry-drk gry, some lt gry, some LS: gry-crm, mcrxln, dense

sample mostly Sh: A.A. with some red/orange LS: A.A. some sandy with redish hue, few SS clusters, clear-opaque, fgrn, well sort, sub ang-sub round, no show

Sample mostly Sh: gry-drk gry-lt gry, some LS: crm-tan, mcrxln, few pieces SS: clear-part opaque, pr sort, ang

Sh: gry-lt gry, some redish/orange, SS: white, vf-fgrn, well sort, round-sub round, no show

Sh: gry-drk gry-lt gry, some greenish silty,, SS: A.A., LS: crm-tan, mcrxln, sli fos, dense

No Sample

Sh: gry-drk gry-lt gry-red/orange, some SS:white, fgrn, LS: tan-crm-gry, mcrxln,

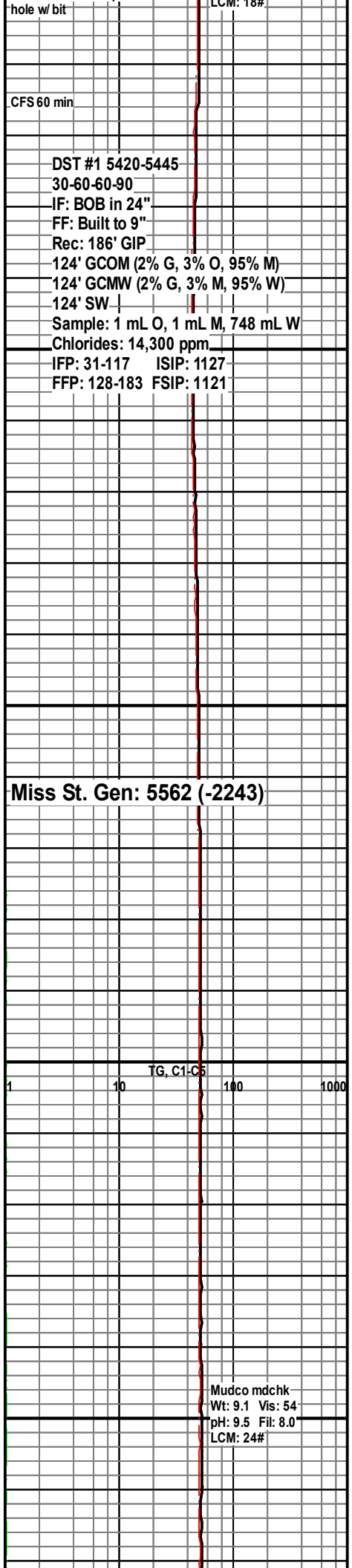
Sh: A.A., some SS and LS: A.A.

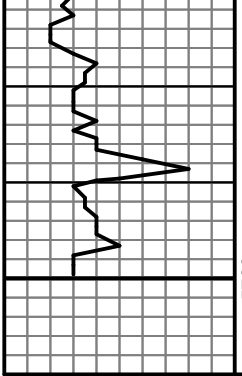
Sample A.A. with some LS: crm-tan, fxln, ool,

Sample mostly Sh, more LS: crm-tan, fxln, ool,

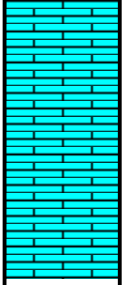
Sample A.A.

LS: crm-tan, fxln, sandy in part, very friable, no show





5700



LS: crm-tan, mcrxln, dense

RTD: 5700

LTD: 5701

