

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

Well Name: Ruth Russell #2
Well Id: 15-185-23915-0000
Location: W2-SE-SW-SE (330' FSL 1800'FEL) 13-23S-12W
License Number: _____ Region: _____
Spud Date: _____ Drilling Completed: _____
Surface Coordinates: _____

Bottom Hole
Coordinates: _____
Ground Elevation (ft): 1841 K.B. Elevation (ft): 1854
Logged Interval (ft): 2700 To: 3900 Total Depth (ft): 3900
Formation: _____
Type of Drilling Fluid: Chem Mud

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

OPERATOR

Company: Pauley Oil
Address: _____

GEOLOGIST

Name: Steven Petermann
Company: Consulting Petroleum Geologist
Address: 3206 NorthWestern Avenue
Hutchinson, Ks 67502

Formation Tops

Log Datums:

Heebner	3176 (-1322)
Douglas Shale	3209 (-1355)
Brown LST	3318 (-1464)
Lansing	3344 (-1490)
Lansing F	3415 (-1561)
BKC	3595 (-1741)
Viola	3616 (-1762)
Simpson	3674 (-1820)
Arbuckle	3733 (-1879)

DSTs

DST depths shown are correlated to RIG DEPTH and were NOT adjusted to log depths.

DST#1 Viola 3624'-3680' (20-45-30-60) IF:WB incr to 3/4" No BB FF: WSB died No BB IFP: 9-21psi FFP: 17-63psi ISIP 617#/FSIP 649# Recover 20'Mud


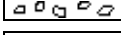
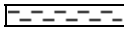





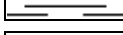
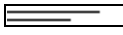

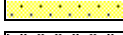
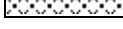
DST#2 Arbuckle 3739'-3748' (15-45-45-60) IF: Strong Blow BOB 11.5 min 12-59psi/FF Strong Blow BOB 18 min 61-166psi ISIP 1102#/FSIP 1092#/Recover 90'Oil and 285' SOSMCW (1%Oil 5%Mud 94%Wtr)

Comments
























































Good shows of oil and/or gas were observed in the Lansing/KC, Viola, and Arbuckle as noted below. The Operator elected to test the L/KC zones behind pipe in lieu of drill stem testing. DSTs were performed on the Viola and Arbuckle and Production casing was set and cemented to further evaluate these zones. In addition to the Operator's planned Arbuckle completion it is recommended that the Following Zones be considered for perforating and stimulation as warranted prior to Abandonment:

Viola 3646-3672 (will require a frac stimulation)
 L/KC "K Zone" 3543-3546
 L/KC "J Zone" 3509-3511 and 3515-3518 and 3520-3524
 L/KC "I Zone" 3495-3497
 L/KC "F Zone" 3417-3421





























ROCK TYPES

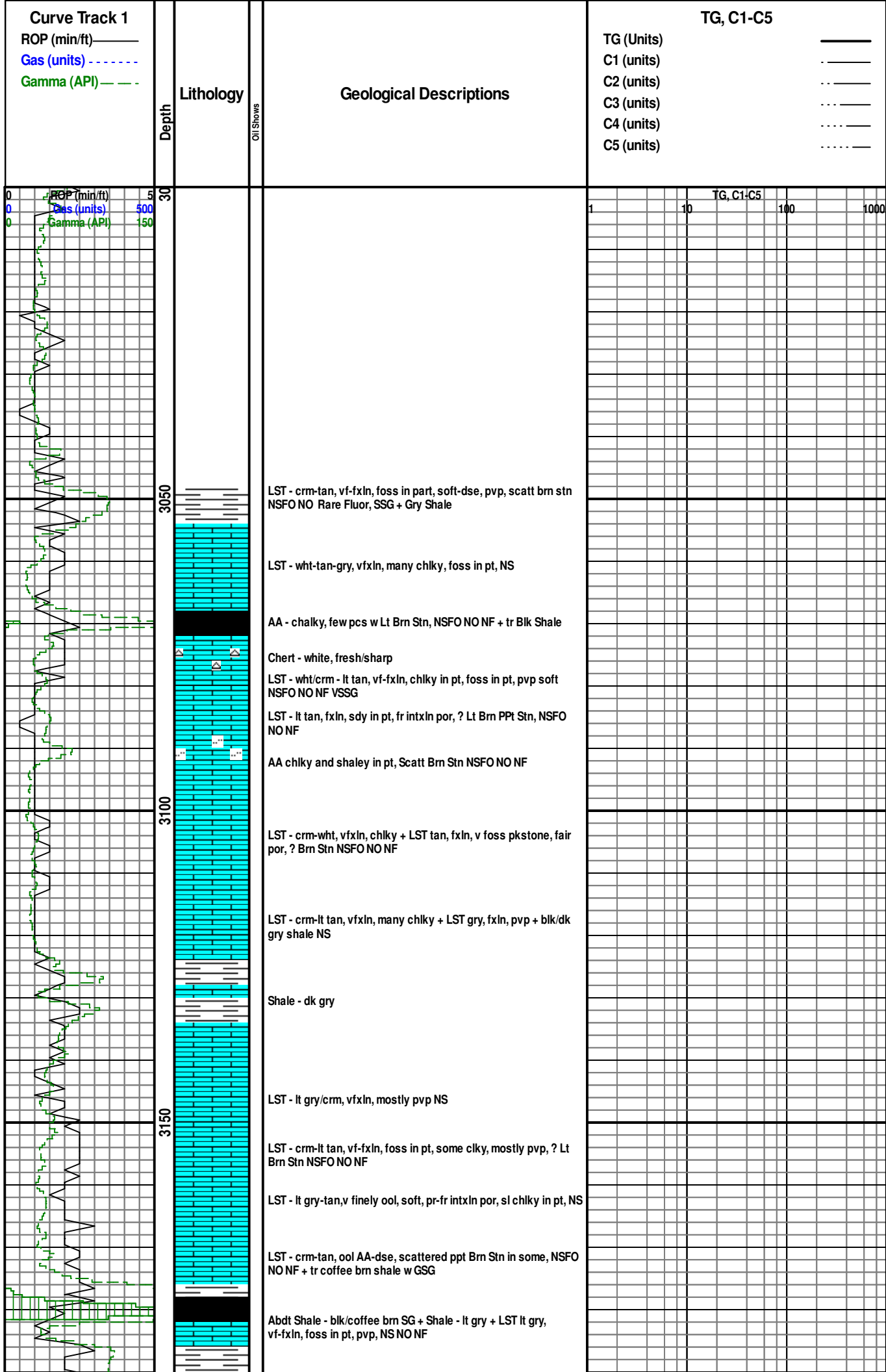
 Anhy  Bent  Brec  Cht	 Clyst  Coal  Congl  Dol	 Gyp  Igne  Lmst  Meta	 Mrlst  Salt  Shale  Shcol	 Shgy  Sltst  Ss  Till
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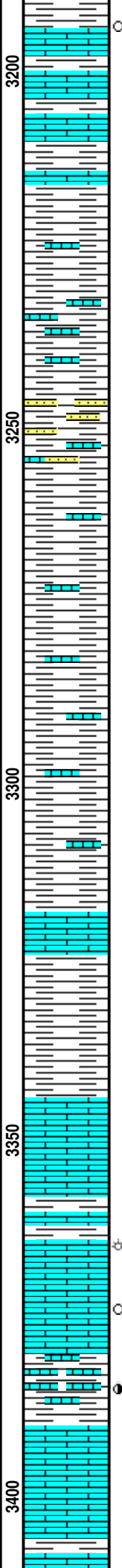
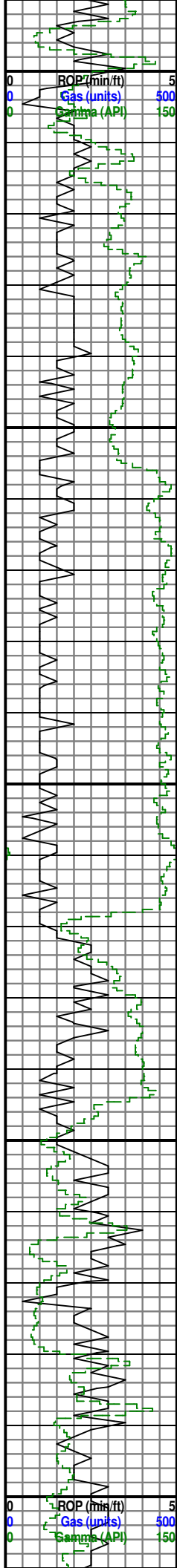
ACCESSORIES

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

POROSITY  Earthy  Fenest  Fracture  Inter  Moldic  Organic  Pinpoint	 Vuggy SORTING  Well  Moderate  Poor	ROUNDING  Rounded  Subrnd  Subang  Angular OIL SHOW  Even	 Spotted  Ques  Dead  Ssg  Ssfo&g  Sg  Sg ssfo  O&g	INTERVAL  Core  Dst EVENT  Rft  Sidewall
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Very Shaley - gry/grm (dirty sample) + LST - crm-tan, flxn, foss, soft, p-fr por TR V HI GRAV +TR Gas

Shaley AA + LST - crm, vfxln, chky + LST tan, vf-fxln, few fossils, pvp-dse, NS

AA + Red Shale

Shale red/gry/mar, sl silty in pt + LST tan, vfxln, dse-pvp, few w fr por, NS

Shale AA + LST tan, pvp NS

AA

Shale - gry, sl silty + Tr SSt vfgr, sub rd, well srt, well cmt pvp, NS

Mostly Shale & silty shale AA, few tan LST, pvp-dse NS

AA

AA

Shale Gry & Silty Shale, few LST, crm, fxln, sl foss, pvp-dse NS

AA

AA

AA + LST - dk tan/crm mottled, fxln, foss, pvp-dse NS

Shale - red/gry + few LST AA

AA

Shale Gry + LST crm, lt gry/gry mottled, few tan, v foss, fxln dse NS

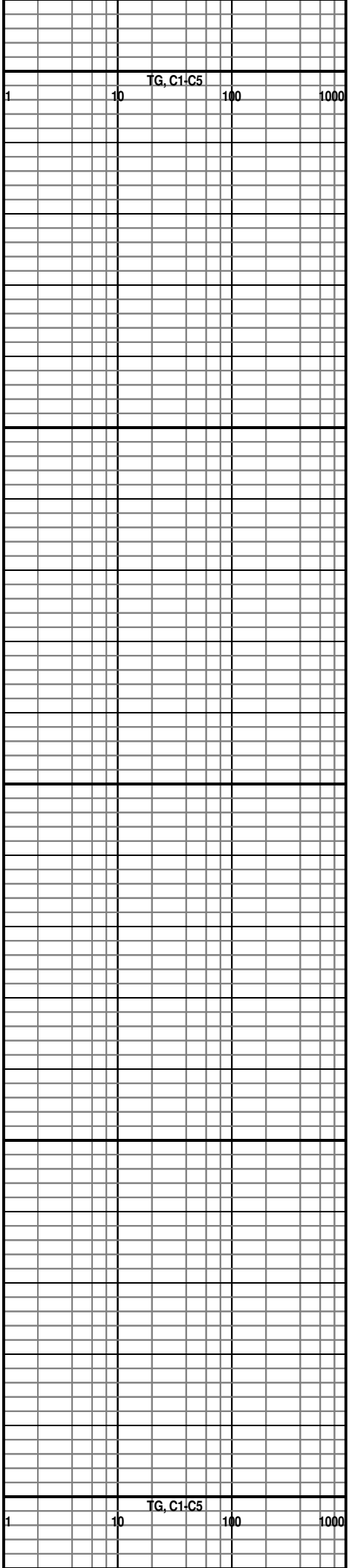
LST - crm-lt tan-lt gry, f-mxln, foss pkstone, pvp, SL ODOR, SCATTERED BRN STN, NSFO NF SSG

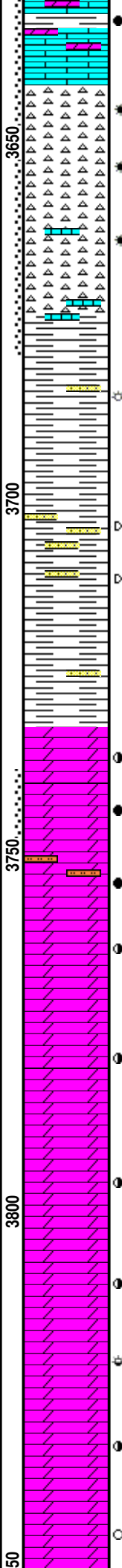
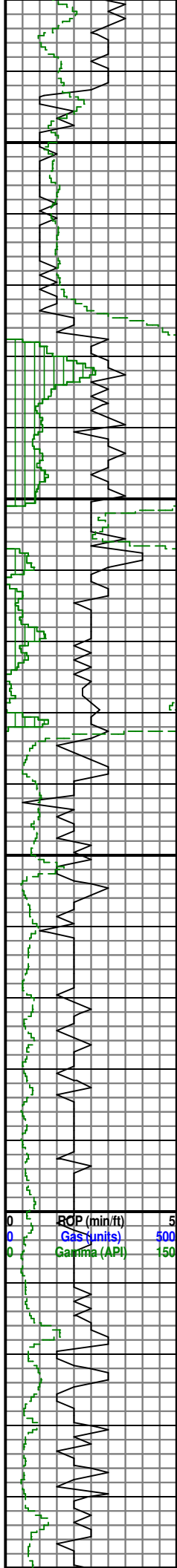
LST - crm-gry-tan, vfxln, foss in pt, mostly dse, few w pr-fr intxn por BRN SPTY SCATT STN, FAINT ODOR NSFO NF (Rig Made Time correction, break Questionable)

LST - crm-tan, vf-fxln, foss, mostly pvp, few w fr intxn por, Some BRN STN, VSSFO, FT ODR

LST - crm-tan-gry mottled, foss, fxln, sft-hrd, mostly pvp FT ODR NSFO

LST - crm-lt gry, occasional BRN STN, vf-fxln, few foss, mostly pvp, FT ODR, NSFO SI Shaley





LST - lt gry, fxln, foss in pt, few dolo LST, lt tan, vfxln, LT BRN STN/SAT, SFO

Chert - STN'd BRN/SAT, hard, some vuggy por, BLEEDING O&G, very weathered (granular) - sharp/hard

Chert - bone wht, fresh sharp-v weathered w DK BRN STN/SAT, BLEEDING O&G

Chert AA Bleeding O&G + LST wht, vfxln, p-fr vis por, SFO

Mudstone - off white to Shale -ft green, + LST crm, vfxln, pvp w BRN STN in frac

Shale gm/gry, + Tr SSt, gry vfgr, wr, w srt, SSG

Mostly gm/gry shale, few maroon + few LST crm, vfxln, partly Sdy, pvp NS + Chert AA yellow, fluor, DK STN/SAT (cavings??)

Shale AA + SSt, clr-salmon colored, vfgr, w rd, fr srt, well cmt, pvp, GILSONITIC STN/Dead Oil

VC Shale + SSt AA including Dead STN, pvp

VC Shale (blue, apple green, gry, red, yellow, purple) + Tr Stn'd SSt AA

Dolo - crm, vfxln, many dse, pvp, sl cherty (ool) FT-FR ODR, MED FLUOR, S-FSFO on break

Dolo - crm-lt rose, fxln, sucrosic in pt, w fr intxln por, SFO (high grav) FR ODR

Abdt Cavings - VC Shale & Dolo, gd oom por, FSFO, FT ODR

Dolo - wht-golden tan, f-mxln, fr intxln por, some fair vuggy por, SCATTERED STN AND SSFO, SOME DEAD MOSTLY LIVE, FT-FR ODR + Gry Shale

Dolo - wht, Gold Stn, fxln, dse- sucrosic w fr-gd intxln por, some oom/vuggy por, DEAD-LIVE OIL (some gassy)

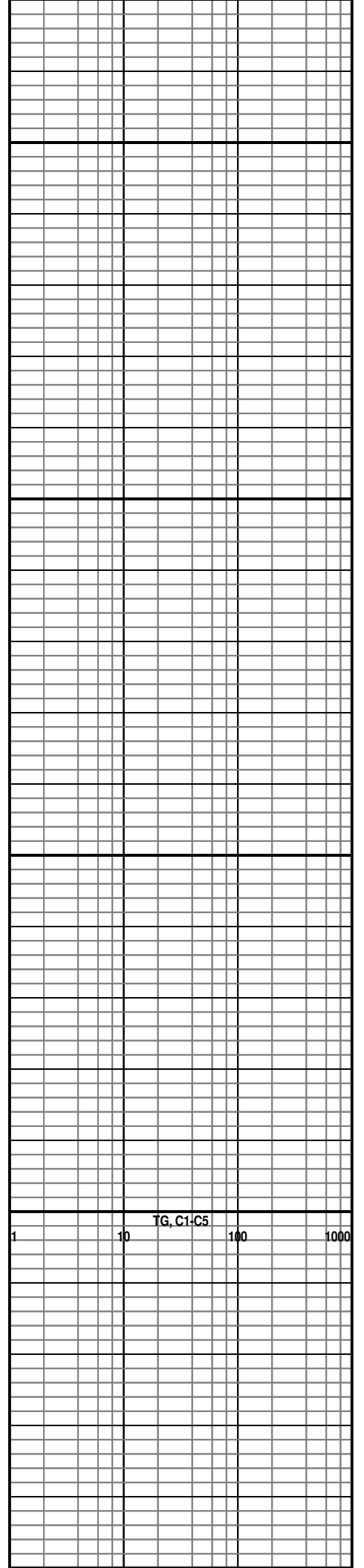
Dolo AA - incr white/less stn, POOR SHOW, V FT ODR + Dolo Mxln, wht-lt gold stn, fr intxln por, S-FSFO

AA - dse-fr por, S-FSFO

Dolo - wht-lt tan, dse-fr/gd sucrosic por, V FT ODR, PR STN & SFO, few w SG

Dolo - golden tan, f-mxln, sucrosic, fr-gd por, SSFO (clr fluorescent) FT ODR

Dolo - mostly lt golden tan, dse-fxln sucrosic w fr por, tr vuggy por, Poor SFO, FT ODR, Dull Fluor



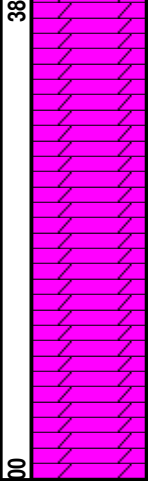
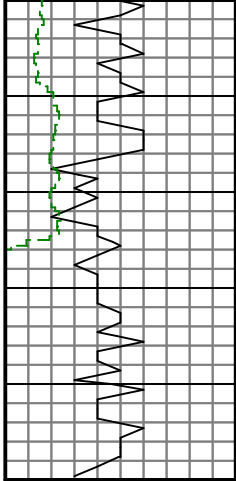
ROP (min/ft) 5
 Gas (units) 500
 Gamma (API) 150

3800
 3750
 3700
 3650

50

TG, C1-C5

1 10 100 1000



○ Dolo - wht, vfxln, good intxln por, friable, NS + Dolo crm/tan, dse-sucrosic SSFO (clr fluor) NO

○ Dolo - wht-lt tan/golden, vf-fxln, dse to sucrosic w fr intxln por, NO, DULL FLUOR, SSFO (v high grav/clear/yellow fluor)

Dolo - tan, fxln mostly pvp, sl cherty, + chert white, opaque, fresh/sharp, V FT ODR

Dolo -off white-tan, vfxln, sucrosic in pt, mostly pvp, sl cherty, + Green pyritic shale

AA + chert, wht boney, fresh NS

