

MBC WELL LOGGING LLC

Scale 1:240 (5"=100') Imperial

Well Name: ROCKING CHAIR #1 SEC 5-T13n-R230e BLACKSTONE EX. CO LLC
 Location: NAVAJO COUNTY, ARIZONIA, USA
 Licence Number: Region: WILDCAT
 Spud Date: 2- Drilling Completed: 3-06-2016
 Surface Coordinates: 1,920'fsl, 1,660'fel SEC 5-T13S-R20E
 BLACKSTONE EXP CO RIG 1
 Bottom Hole CASDHOLE SOLUTIONS E-LOGS
 Coordinates: API-02-017-20109-00, ROGER MARTIN CHIEF
 Ground Elevation (ft): 5826.9 K.B. Elevation (ft): 5827
 Logged Interval (ft): 600 To: 2218 Total Depth (ft):
 Formation:
 Type of Drilling Fluid: WBM, TWISTER MUD CO

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






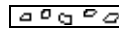





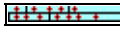


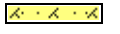






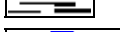

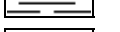












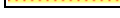
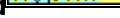
OPERATOR

Company: BLACKSTONE EXPLORATION CO LLC
 Address: PO BOX 940 PH (928)-524-7786
 HOLBRPOOK, AZ 86025

MUDLOGGER

Name: AUSTIN GARNER CELL (620)655-2016
 Company: MBC WELL LOGGING LLC
 Address: 21156 RD 22
 MEADE, KANSAS 67864

ROCK TYPES

	Anhy		Ls & ooids		Sltst		Ss		Sndy-ls-1
	Brec		Oolitic ls -1		Salt		Grn sh strk		Calc shale
	Cht		Stgensndy-		Sndy sh--reg		Lmy sh-2		Granitewash
	Coal		New ls-1		Sndy sh		Grn mott gy		Ls shly-b
	Congl		Carby shale		Sltst-1		Shale-1		Poor sortd ss
	New dolomite		Lmy carby		Sltly-shale		Red sh-1		Snd-ls-sh
	Dolo new		Carb sh		Lmy ss-1		Stgensndy-arkos		
	Newdolo ls		Gyp		Arkosic snd		Sndy ool ls		

ACCESSORIES

LITHOLOGY

- Anhy
- Brec
- Cht
- Coal
- Congl
- New dolomite
- Dolo new
- Newdolo ls 2
- Ls & ooids
- Oolitic ls -1
- Stgensndy-arkos
- New ls-1
- Carby shale
- Lmy carby sh-3
- Carb sh
- Gyp
- Sltst
- Salt
- Sndy sh--red
- Sndy sh
- Sltst-1
- Sltly-shale
- Lmy ss-1
- Arkosic snd
- Ss
- Grn sh strk

- Lmy sh-2
- Grn mott gy sh
- Shale-1
- Red sh-1
- Stgensndy-arkos
- Sndy ool ls
- Sndy-ls-1
- Calc shale
- Granitewash
- Ls shly-b
- Poor sortd ss
- Snd-ls-sh

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil

- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- New dolostringer
- Dol
- Fldspr-1
- Ferrpel
- Ferr
- Glau
- Gyp

- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Qtz
- New symbol
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Styolitic
- Slickenside

STRINGER

- Anhy
- Red sh stringer
- Arg
- Bent
- Coal
- Dol
- Gyp
- Oolls-1

- Ls
- Mrst
- Sltstrg
- Ssstrg
- Grn sh strk

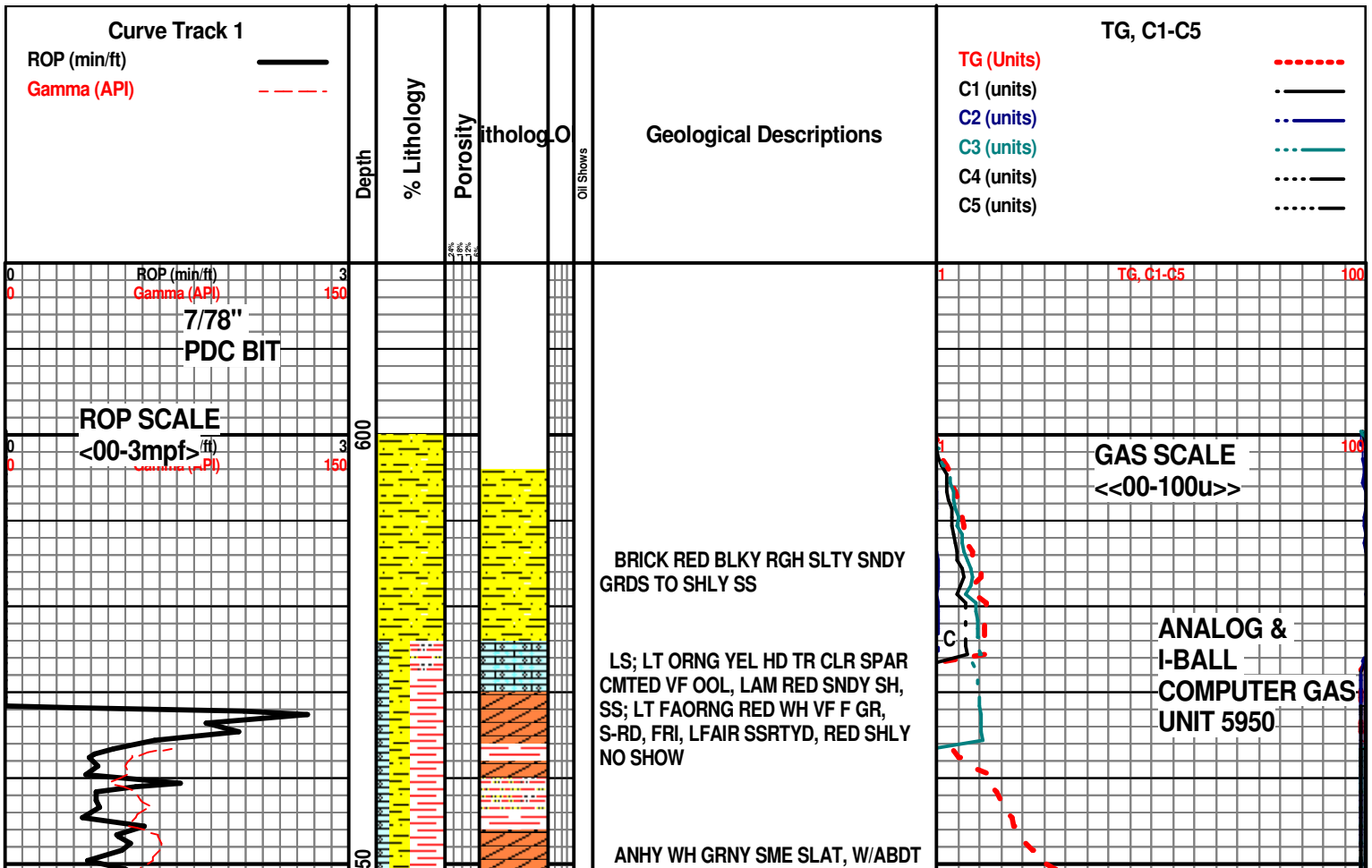
TEXTURE

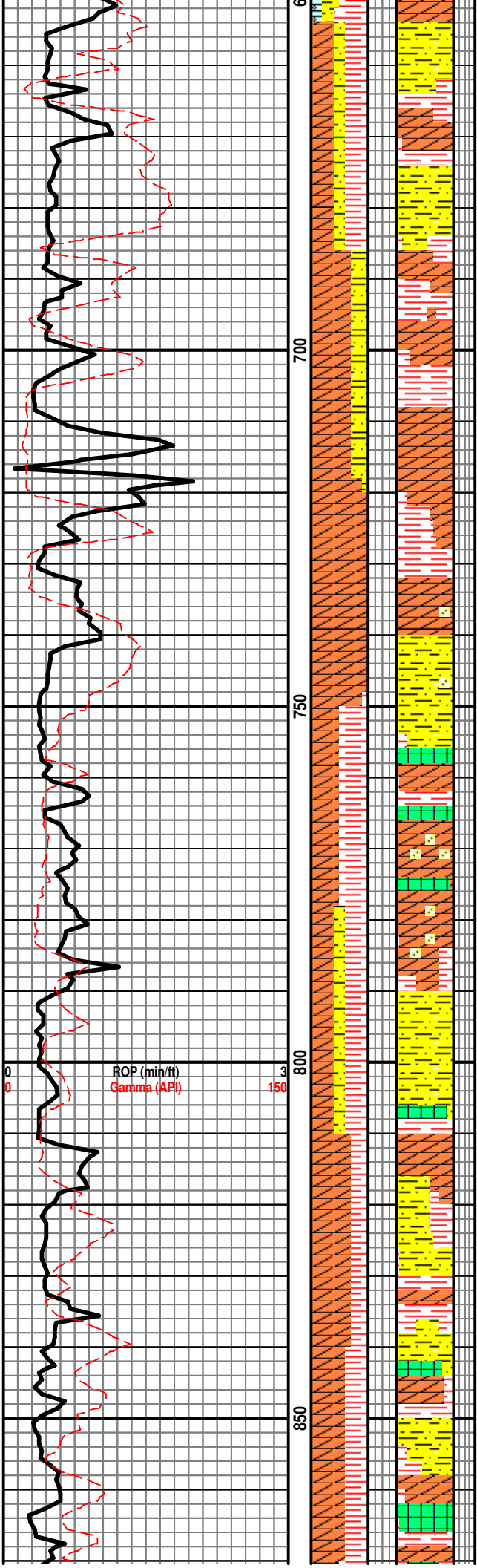
- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OIL SHOW

- Even
- Spotted
- Ques
- Dead

Comments





BRICK RED SLTY SNDY SH

ANHY WH SFT GRNY SME SALT,
W/ABDT BRAICKS RED SHLY SS

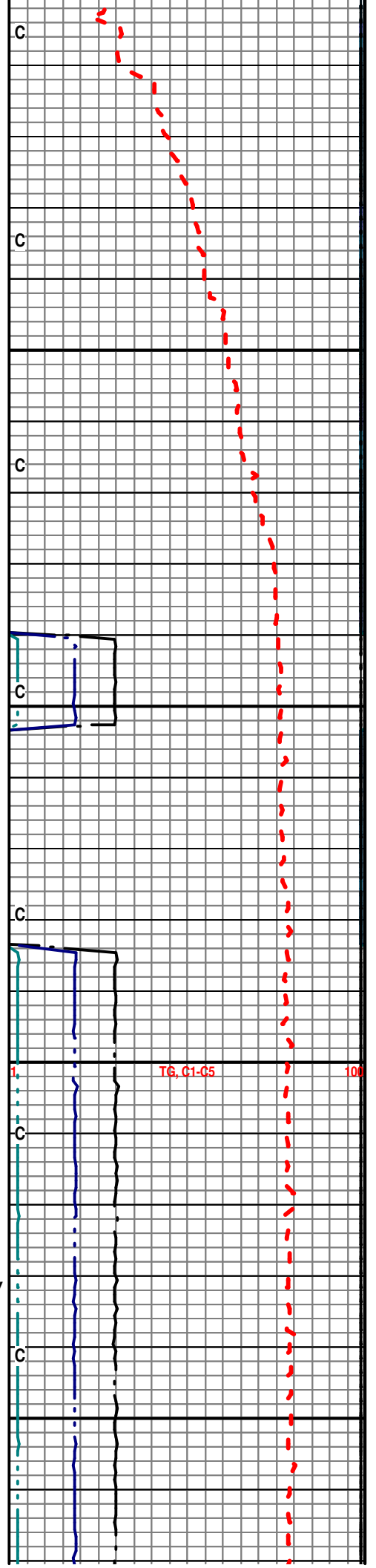
ANHY; WH LSLI GY HD XLN TO SFT
TALC, SME COMNGLD RED SH

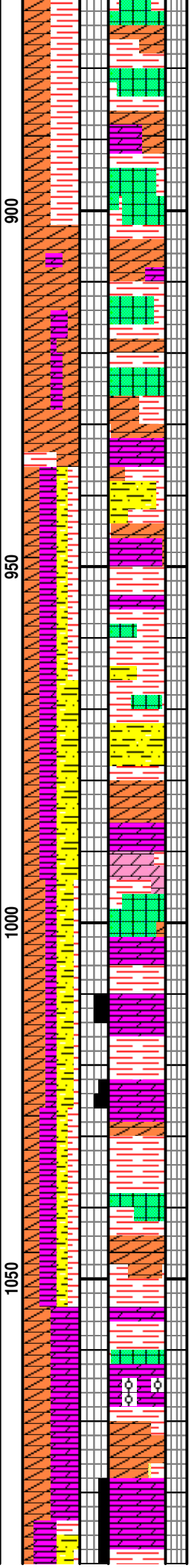
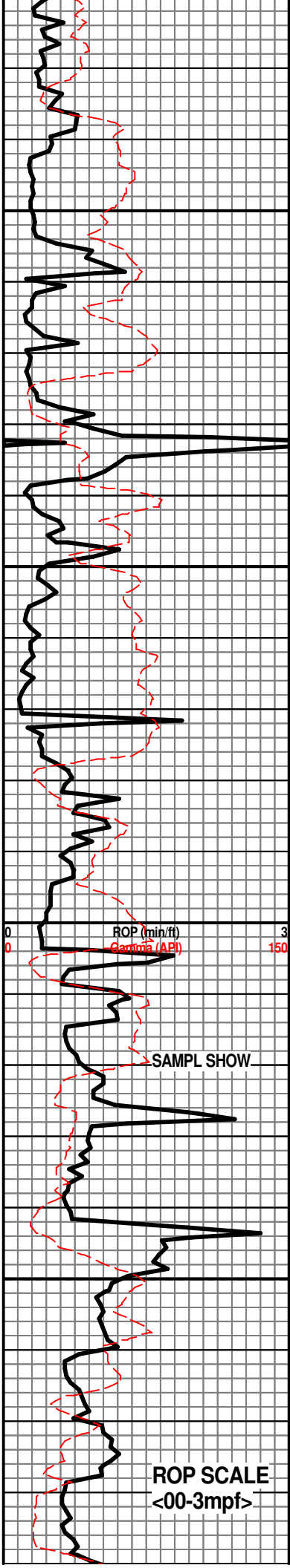
SFT FBRICK RED SH, INCRS SHLY
SHLY SS

ANHY LWH SLI GY HD TO BRTL, SLAT
MOLDS, INTBD CLR S-SRD UPPER
F-GR QTZ & CRED SHLY SS

RED ORNG SHLY SS, ABDT CLR
FLAT MED PROB SLAT XTLS?, &
ANHY

SH; RED ORNG, SFT SME SHLY SNDY
W/SCATT SFT ANHY





ANHY WH SFT AS TAALC, W/ABDT
AFREE FLAT CLR FRAC MED XTLS
PROB SLAT?

ANHY; WH OPAQ SLI GY, MOTT BRN
IP. PROB D.O.S. NFSOC

INTBD SALT & RED SHLY SS TR LT
BRN DOLO, NFSOC

MED BRN TNA HD VF GRITTY DOLO,
VUG POR, DK PURPL FLOR NSOC NO
ODOR

BRICK RED SFT SH ASBDT REE CLR
XTLS, & ANHY

DOLO; BRN LT BRN FRM TR BLK,
CARB MATL, VUG POR, NFSOC

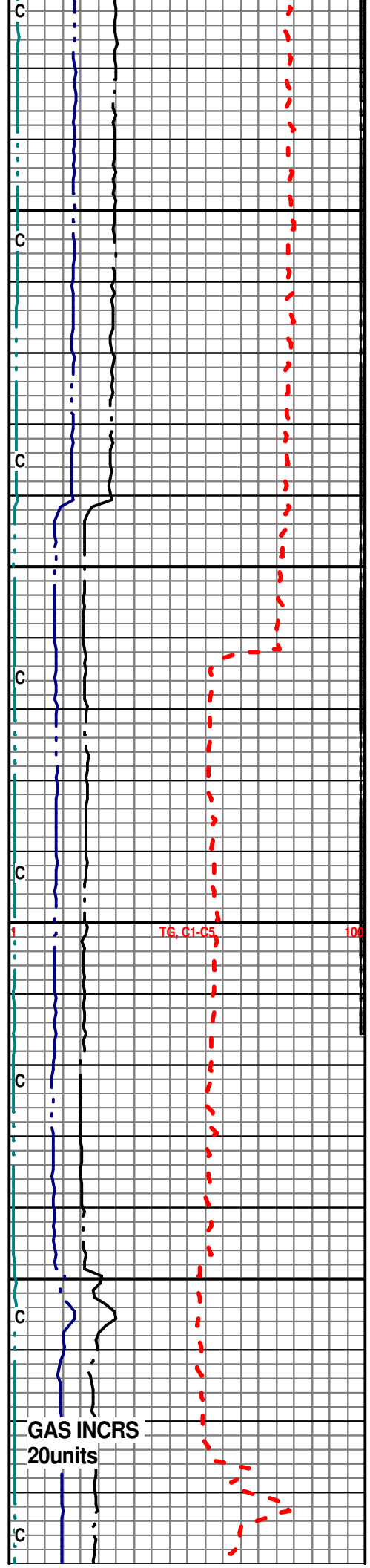
SALT MOLDS SLLTND RED, & WH TO
BRN ANHY

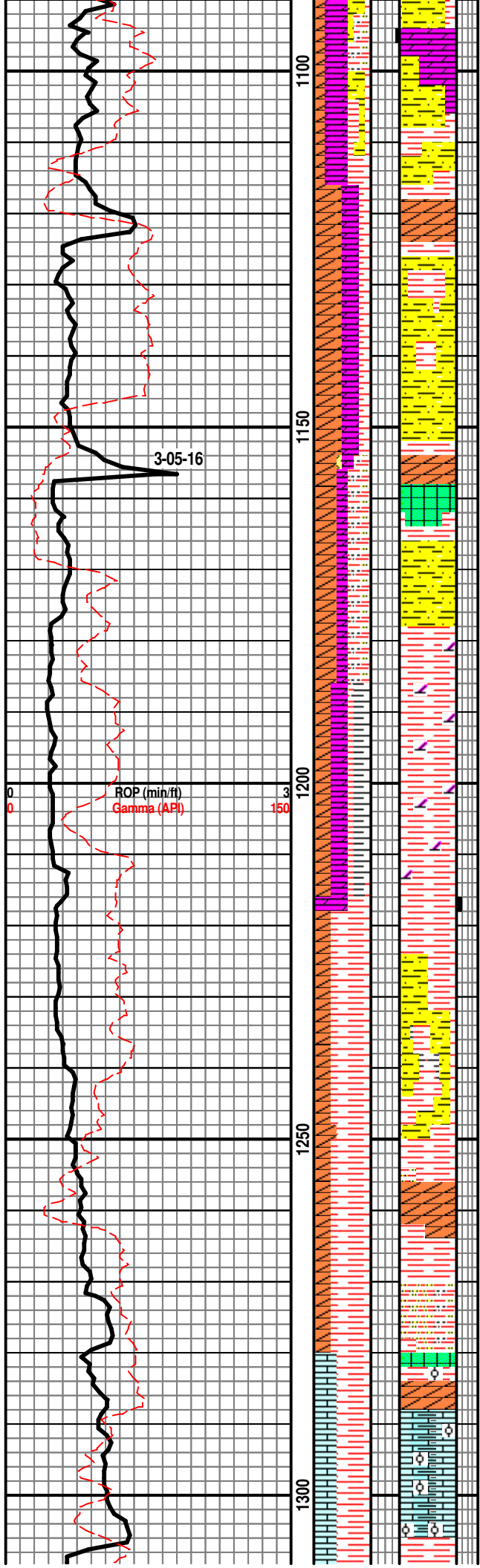
DOLO LT B4RN TO BLK, SHADOW VF
OOL, LSME BLK MTL, VUG POR, DK
PUARPAL FLOR NO VIS STNG, V/SLI
RING CUT ON DRY PCES

ANHY WH GY TN HD XLN,
COMNGLSD LT BRN DOLO

DOLO; LT BRN BRN, RGH TXT,
VUGGY, TR PYR, SHADOW VF OOL &
FOSS FRGS, V/FAINT GOLD FLOR

DOLO; BRN VF SUGARY V/FRI, PP
JG POR, PYR, TR COMNGLD ANHY,
V/FAINT WEAKS GOLD FLOR





DOLO; LLT GY TO TN, COMNGLDS
 ANHY, SALT MOLD, IMTRBD RED
 -ORNG SHLY ANG VF GR SS

ANHY; WH SLI GY TN, HD XLN SME
 SLAT MOLD

SLTST/SS, RED/ORNG V F GR SHLY

ANHY; WH GY TNA HD XLN

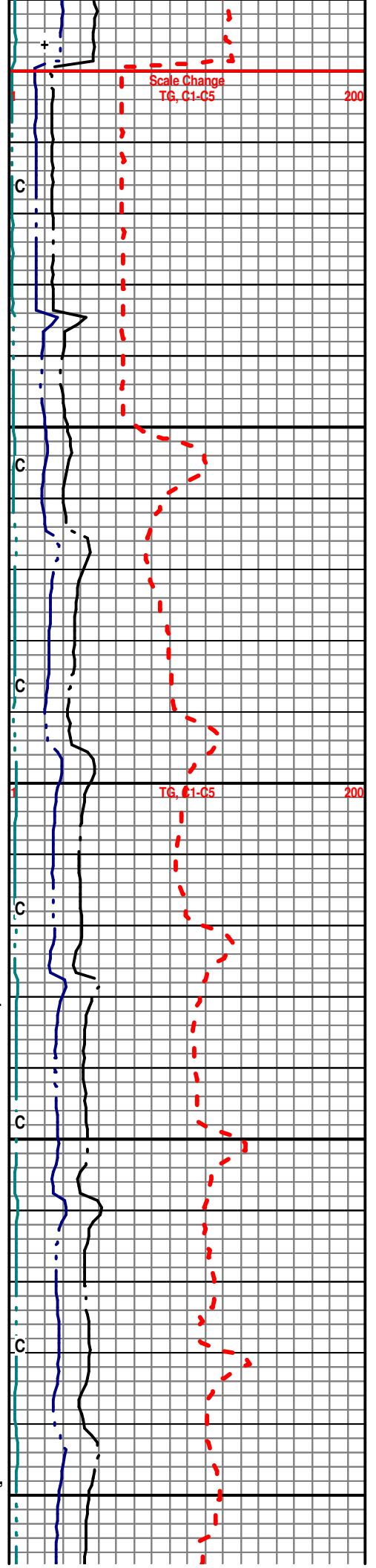
BRICK RED SLTY SNDY SHLY IMBD
 ANHY & SALT MOLD

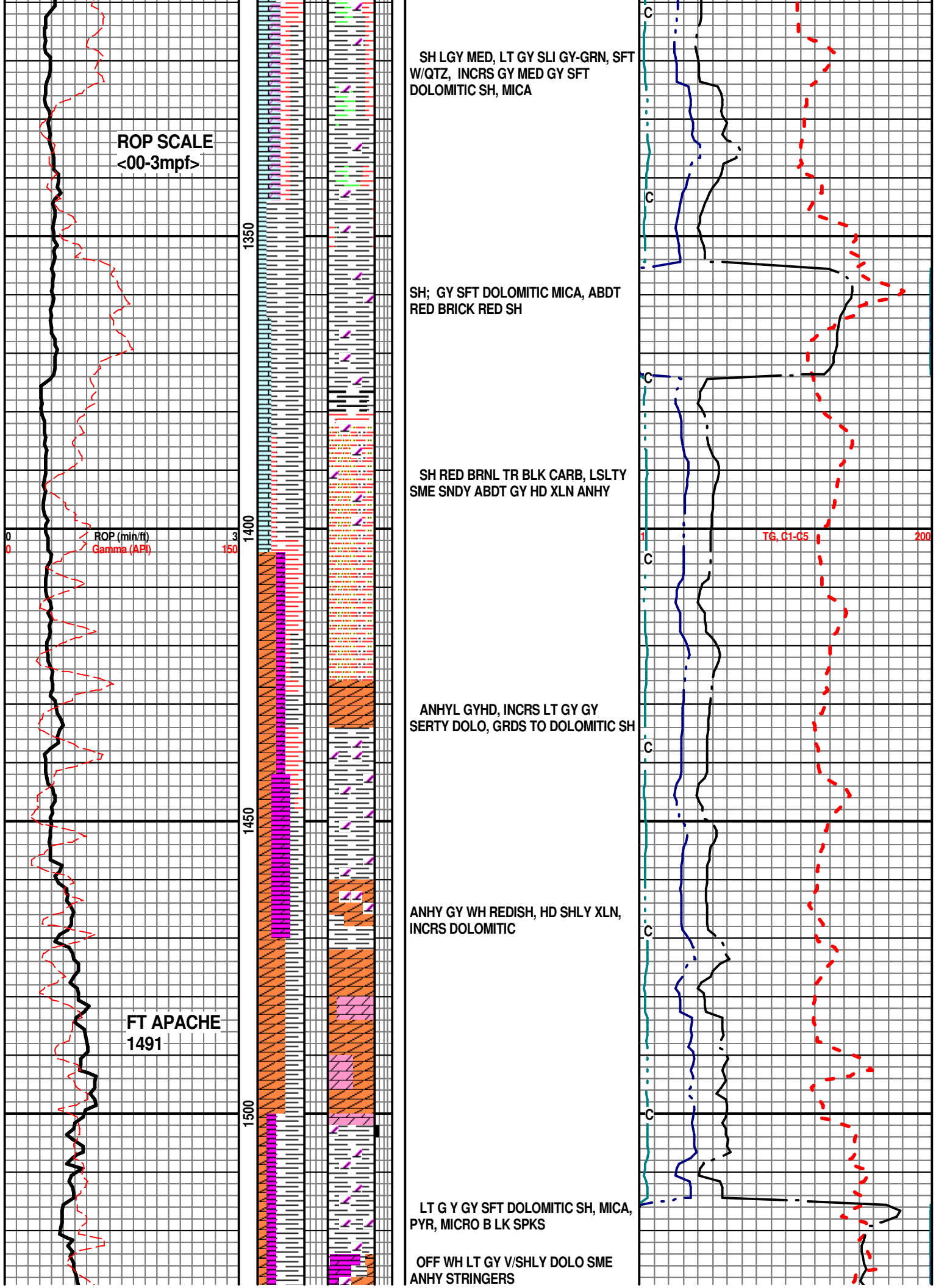
RUST RED SLTY SNDY SH, MICA,
 ABDT ANHY & DOLO AAB

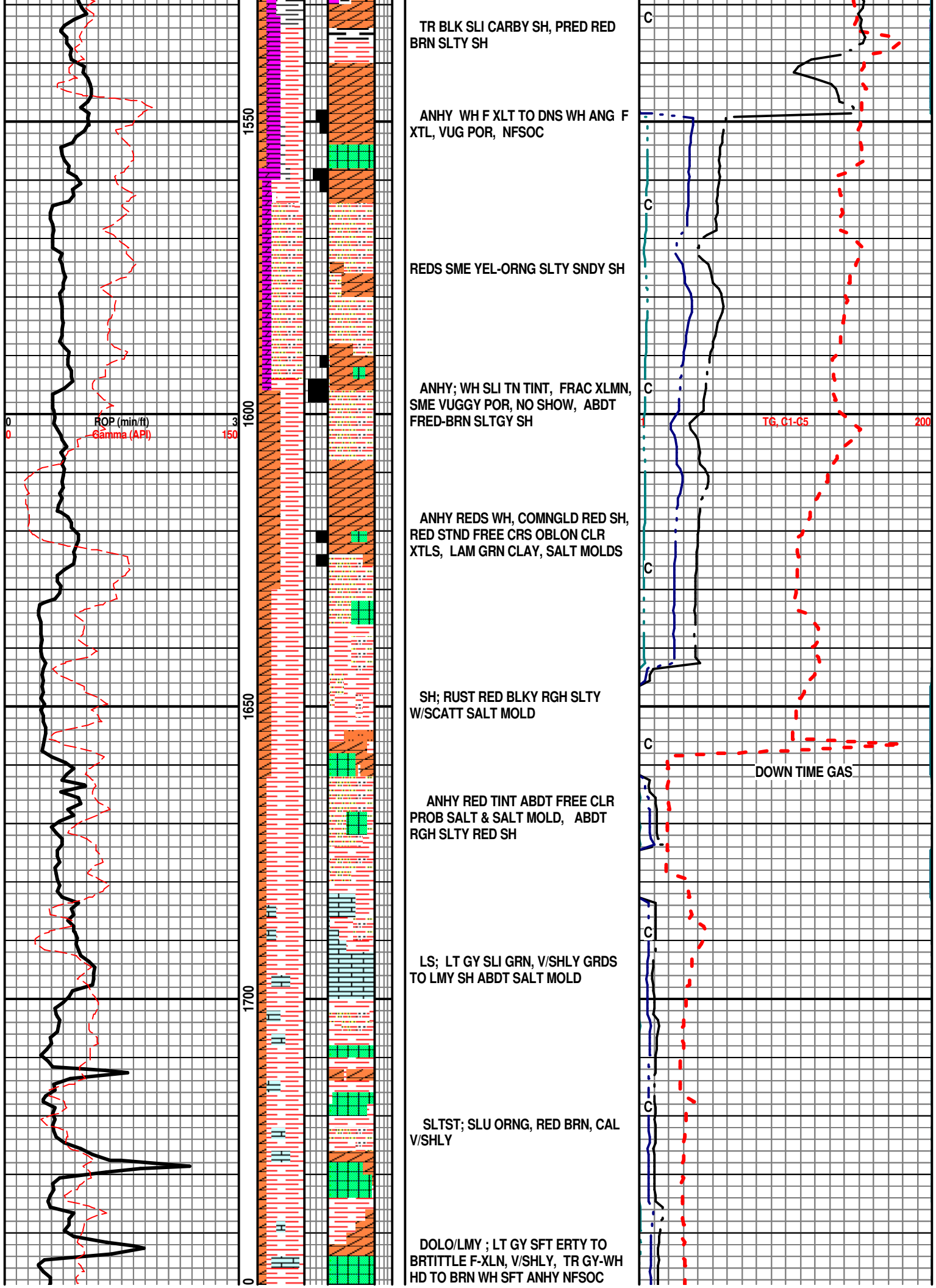
SS; BRTICK RED, ORNG, SME MOTT
 WHS, VF GR, V/SHLY, ABDT WHS BRTL
 ANHY TR DOLO

ANHY WH TNA GY HD INTBD SALT

LS; GY MED GY BRN, V/SHLY, VF
 OOL W/BLK CNTR, GY PELL, & STRKS,
 SME COMNGLD ANHY







TR BLK SLI CARBY SH, PRED RED BRN SLTY SH

ANHY WH F XLT TO DNS WH ANG F XTL, VUG POR, NFSOC

REDS SME YEL-ORNG SLTY SNDY SH

ANHY; WH SLI TN TINT, FRAC XLMN, SME VUGGY POR, NO SHOW, ABDT FRED-BRN SLTGY SH

ANHY REDS WH, COMNGLD RED SH, RED STND FREE CRS OBLON CLR XTLS, LAM GRN CLAY, SALT MOLDS

SH; RUST RED BLKY RGH SLTY W/SCATT SALT MOLD

ANHY RED TINT ABDT FREE CLR PROB SALT & SALT MOLD, ABDT RGH SLTY RED SH

LS; LT GY SLI GRN, V/SHLY GRDS TO LMY SH ABDT SALT MOLD

SLTST; SLU ORNG, RED BRN, CAL V/SHLY

DOLO/LMY ; LT GY SFT ERTY TO BRTITTLE F-XLN, V/SHLY, TR GY-WH HD TO BRN WH SFT ANHY NFSOC

ROP (min/ft)
Gamma (API)

TG, C1-C5

DOWN TIME GAS

1550

1600

1650

1700

0

150

200

0

C

C

C

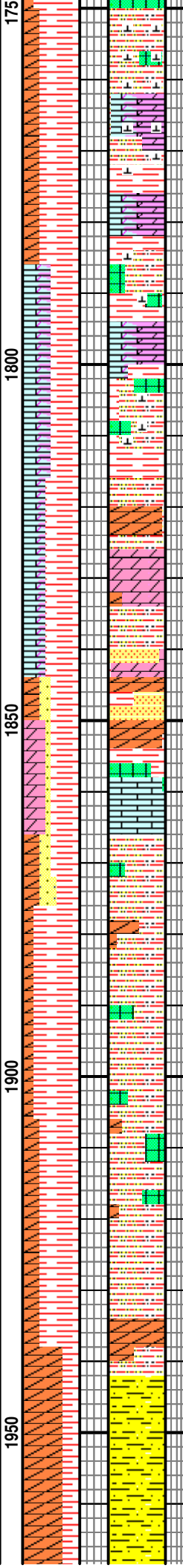
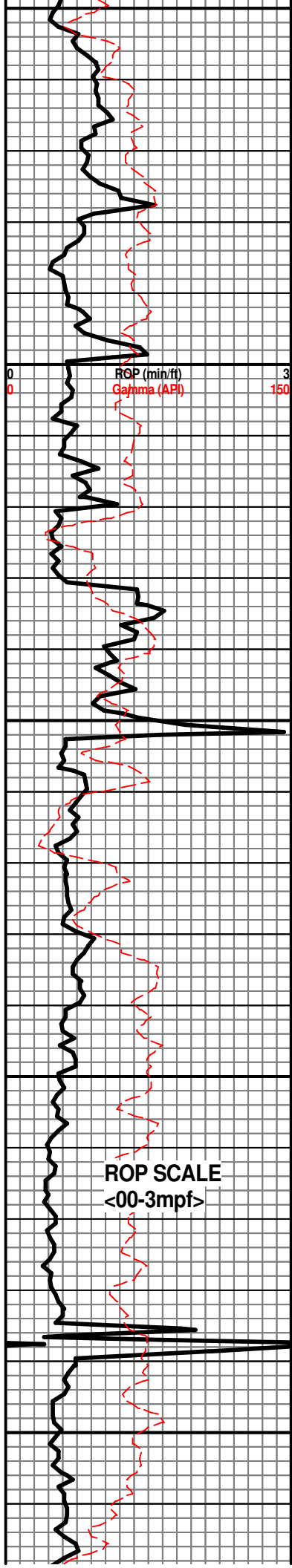
C

C

C

C

C



SH; REDS BRN LMY TO SLI CALC,
W/INBD V/LT GY BRN SHLY LS, ABDT
SALT MOLDS

DOLO; LT BRN FRM V/SHLY

SS; OFF WH V/SFT VF GR, SME
CALC, MICRO MIN, INCRS RED
ARKOSIC, ARGIL, PYR,

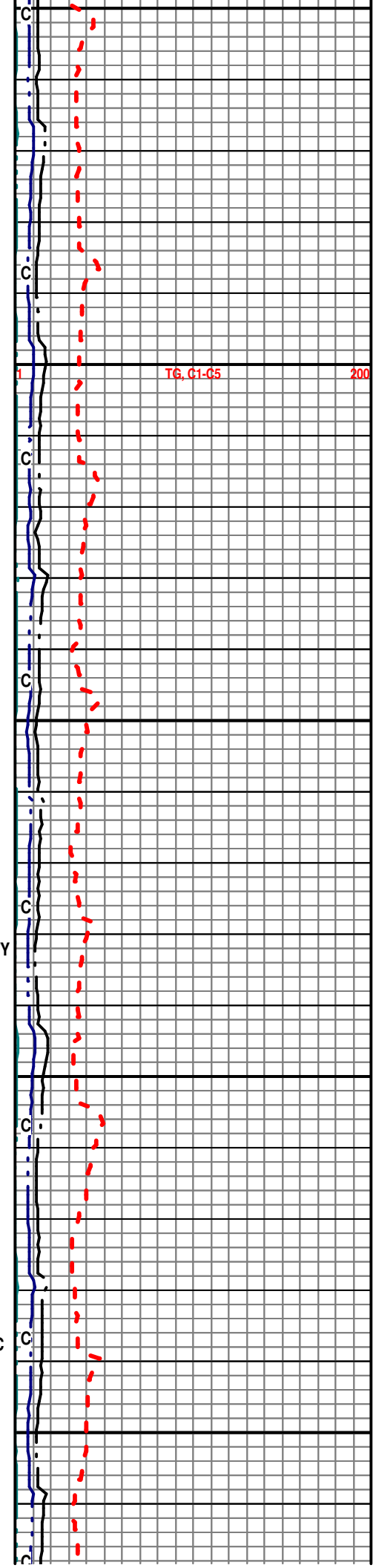
ARGIL HD REDISH LS, TR WH ANG
F-SPARITIC, RED BRN LMY

SH, SALT
MOLDS, ABDT SFT ORNG RED VF SLTY
SNDY

MED ORNG SFT SLTY SH W/SCATT
ANHY, SALT MOLDS

ANHY GY WH SLI GY, SME SFT TALC
ANHY, SME SCATT WH VF SALT
COMNGLD SRED SH

SLTST; BRICK RED ORNG, TR GY,



ROP SCALE
<00-3mpf>

175

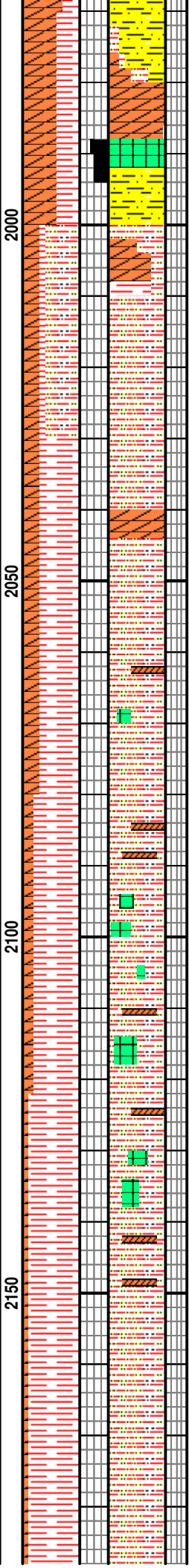
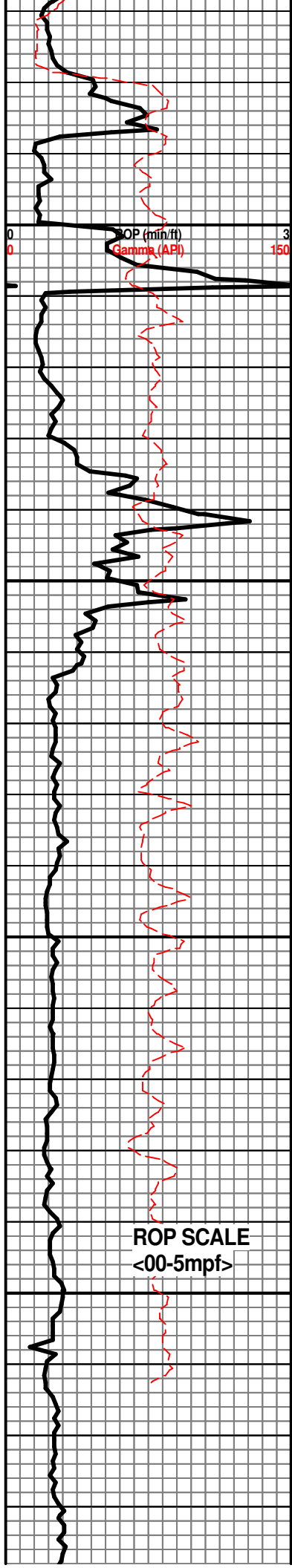
1800

1850

1900

1950

200



GRN, SFT VF GR, V/SHLY, BLK MIN

ANHY; WH OPAQ, HD W/VF WH
SUCRC EDGES, IP ABDT SLAT MOLD,
& SALT

SLTST; RED ORNG SHLY ABDT SALT
MOLD, RTR LMY

ANHY; WHL F-ANG SUGRY IP, SME
HD XLN

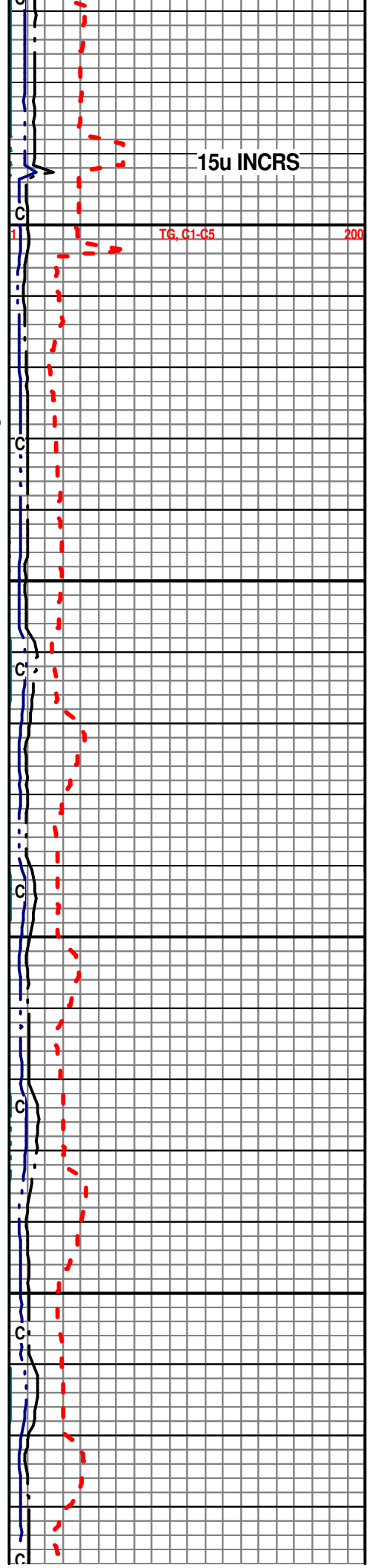
SH; RED BRN SFT TO FRM, BLKY IP,
SLTY SNDY IP, W/FREE FLAT ACLR
XTLS

WH HD DNS ANHY RED SLTY
ANHYDRITIC SH

SH BRICK RED VF SLTY SNDY SME
ANHYDRITIC W/CRS SALT VUGS

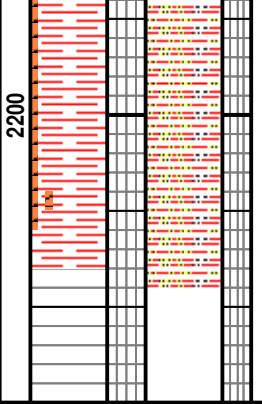
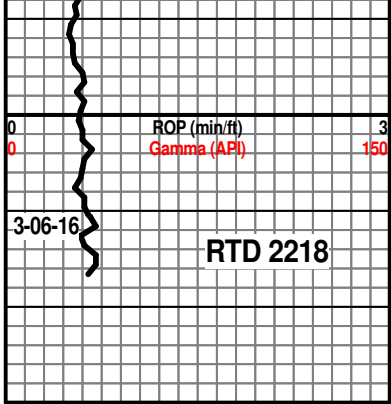
SH; BRICK RED SME BRN, RGH
SLTYA VF SNDY, OCC SALT MOLD

SHS; BRICKA RED/ORNG, BLKY VF
SLTY SNDY, MICA, BLK MIN SPKS,
W/FREE CLR FLAT CRS XTLS



2000
2050
2100
2150

200



SH: RED ORBNG, VF AREN, MICA,
SME MOTT WH & GRN RED SS, SME
SALT

THANKS FOR USING
MBC WELL LOGGING
AUSTIN & MARLA GARNER

