

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	JACQUART 5
Doc ID	1462885

All Electric Logs Run

ANNULAR HOLE VOLUME LOG 5 CASING
ARRAY COMPENSATED TRUE RESISTIVITY LOG 1
ARRAY COMPENSATED TRUE RESISTIVITY LOG 2
ARRAY COMPENSATED TRUE RESISTIVITY LOG 5
ARRAY RESISTIVITY SPECTRAL DENSITY DUAL SPACED NEUTRON BOREHOLE SONIC QUAD COMBO LOG
BOREHOLE COMPENSATED SONIC LOG

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	JACQUART 5
Doc ID	1462885

Tops

Name	Top	Datum
HEEBNER	4050	
LANSING	4137	
MARMATON	4716	
ATOKA	5070	
MORORW	5239	
MORROW LIME	5298	
MORROW SANDS	5341	
CHESTER LIME	5420	
ST GENEVIEVE	5551	



Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

PRESSURE PUMPING

Job Log

Customer:	Merit Energy	Cement Pump No.:	37223 19572 9HRS	Operator TRK No.:	94245
Address:	sublette.invoices@meritenergy.com	Ticket #:	1718 19415 L	Bulk TRK No.:	70897 37725 Jesse 30463 19578
City, State, Zip:	AFE# 63395	Job Type:	Z42 - Cement Surface Casing		
Service District:	1718 - Liberal, Ks.	Well Type:	OIL		
Well Name and No.:	Jacquart # 5	Well Location:	5-28S-34W	County:	Haskell State: Ks

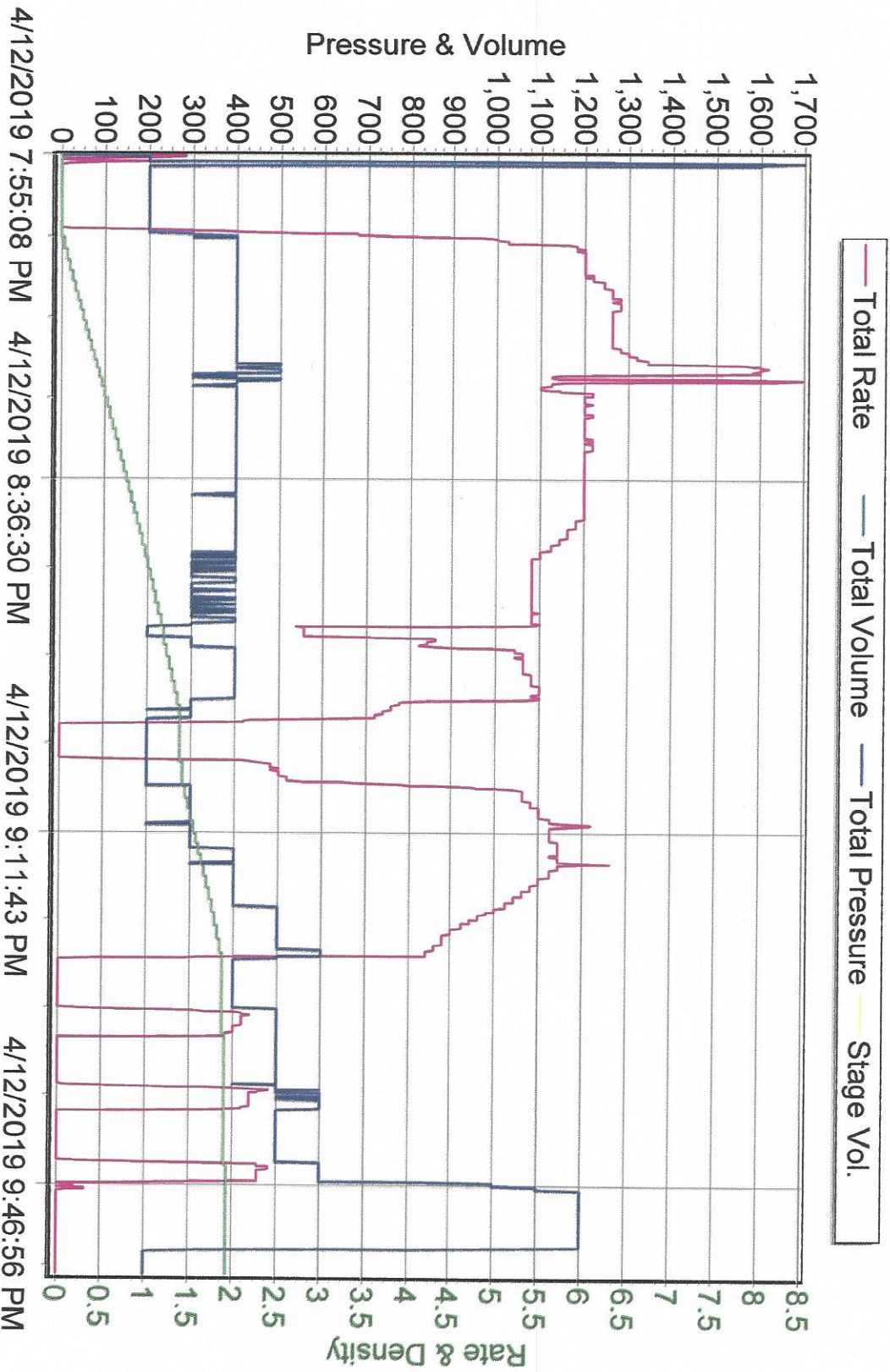
Type of Cmt	Sacks	Additives	Truck Loaded On		
A-Con' Blend	500	3% Calcium Chloride, 1/2# Celloflake	70897 37725 Jesse	Front	Back
Premium Plus Cement	165	2% Calcium Chloride, 1/4# Celloflake	30463 19578	Front	Back
				Front	Back

Tail 1/Tail 2:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Tail Stage 1:	12.1	2.41	14	1205	TT Man Hours:	34
Tail Stage 2:	14.8	1.34	6.33	221.1	# of Men on Job:	3

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure(Psi)		Description of Operation and Materials
			T	C	Tubing	Casing	
17:00PM							Arrived at location
17:15PM							Spot Trucks/Rig up
19:30PM							Safety meeting
20:05PM						1500	Pressure test lines to 1500psi
20:12PM	5	214				180	Pump lead 214bbls from 500sks at 12.1lbs
20:52PM	5	39				210	Pump tail 39bbls from 165sks at 14.8lbs
21:01PM							Shut down/Drop plug/Wash pump and lines
21:04PM							Start Displacement
21:09PM	5	20				100	20bbls gone
21:13PM	5	40				170	40bbls gone
21:17PM	5	60				210	60bbls gone
21:21PM	5	80				300	80bbls gone
21:24PM	5	90				400	90bbls gone/slow down rate
21:32PM	2	95				350	95bbls gone/shut down stage for 5 minutes
21:39PM	2	100				380	100bbls gone/shut down stage for 5minute
21:45PM	2	110				1100	Bump plug
							check if float holds
							Got 80bbls of cement to surface
							Rig down
							Job completed
							Thanked the company man
Size Hole	12 1/4	Depth	1783		TYPE	Float Collar	
Size & Wt. Csg.	8 5/8 24#	Depth	New / Used		Float collar	1741.09	Depth
Landing Psi	500+	Landing Press 2			Retainer	Depth	
Shoe Jt.	41.91	Type			Perfs	CIBP	

Customer Signature:	Basic Representative:	Victor A. Corona
	Basic Signature:	<i>Victor A. Corona</i>
	Date of Service:	4/12/2019

Merit Energy
8 5/8 Surface
Jacquart 5
4/12/2019





Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

PRESSURE PUMPING Job Log

Customer:	Merit Energy	Cement Pump No.:	37223 19572 9HRS	Operator TRK No.:	94245
Address:	sublette.invoices@meritenergy.com	Ticket #:	1718 19417 L	Bulk TRK No.:	30463 19578 Jesse 30463 19578
City, State, Zip:	AFE# 63395	Job Type:	Z42 - Cement Production Casing		
Service District:	1718 - Liberal, Ks.	Well Type:	OIL		
Well Name and No.:	Jacquart # 5	Well Location:	15-28S-34W	County:	Haskell State: Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
50/50 POZ	325	6% Gypsum, 10% Salt, .5% Gilsonite, 1/4# Celloflake, 1/4# Defoamer	30463 19578 Jesse	Front	Back
			30463 19578	Front	Back
				Front	Back

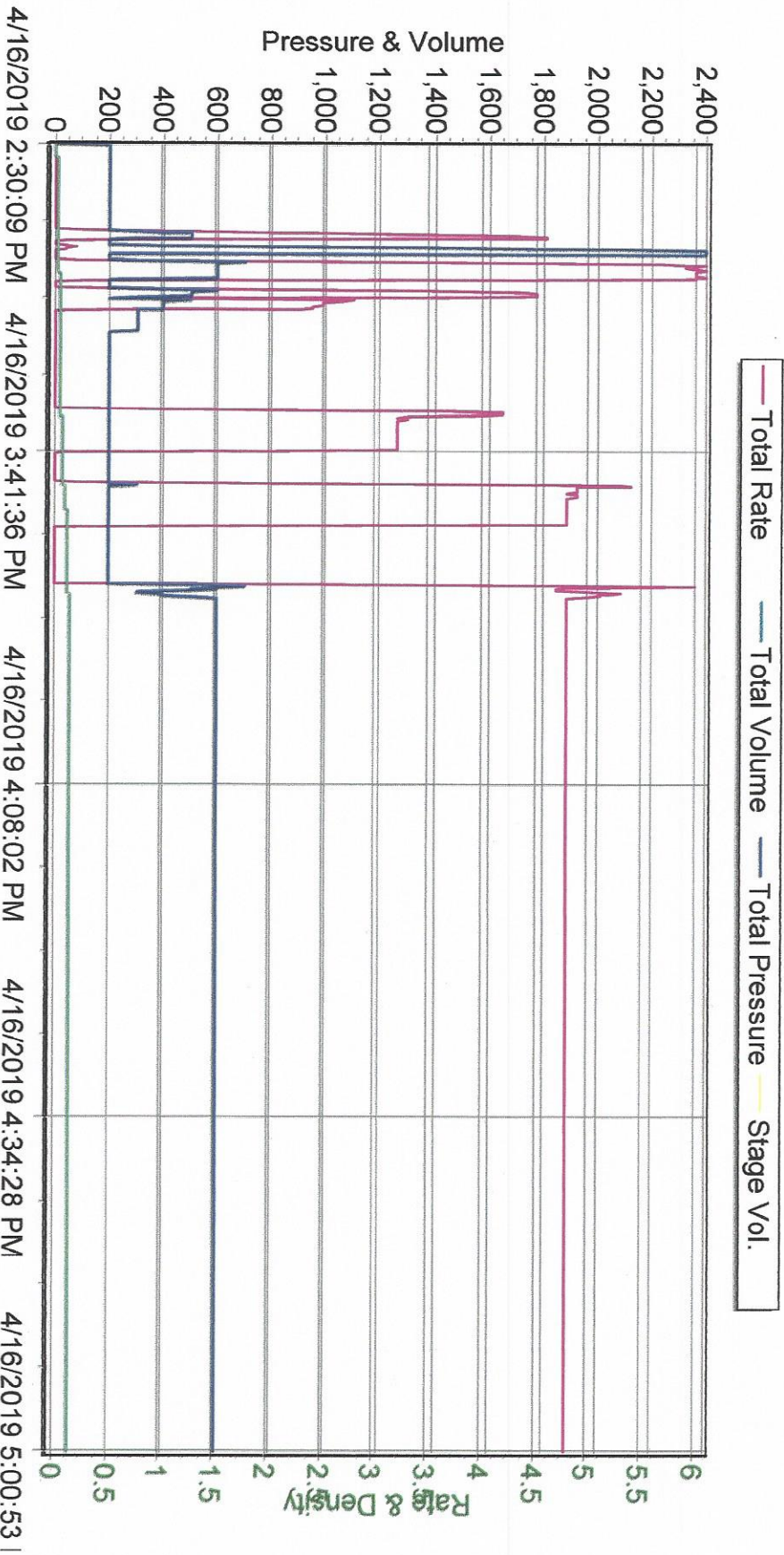
Tail 1/Tail 2:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel
Tail Stage 1:	13.6	1.57	7.18	510.25	TT Man Hours: 34
Tail Stage 2:					# of Men on Job: 3

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
11:00am							Arrived at location
11:15am							Spot trucks/Rig up
15:00pm							Safety meeting
15:25pm					2500		Pressure test lines to 2500psi
15:26pm	3	10			200		Pump 10bbls of mud flush spacer
15:38pm	4	13.9			zero		Pump 13.9bbls of cement to fill rat and mouse hole from 50skts at 13.6lbs
15:53pm	5	76			100		Pump 76bbls of cement from 275skts at 13.6lbs
							Shut down/drop plug/wash pump and lines to pit
							Start displacement of 130bbls with H2O/KCL
16:29pm	5	20			zero		20bbls gone
16:33pm	5	40			zero		40bbls gone
16:38pm	5	60			zero		60bbls gone
16:42pm	5	80			100		80bbls gone
16:47pm	5	100			600		100bbls gone
16:52pm	5	120			1000		120bbls gone/Slow down rate
16:53pm	3	130			2000		Bump plug
							Check if float holds
							Rig down
							Job completed
							Thanked company man

Size Hole	7 7/8"	Depth	5680		TYPE	Plug Container		
Size & Wt. Csg.	5 1/2" 17#	Depth	5672	New / Used	Float Collar	5630.16	Depth	
Landing Press 1	1000+	Landing Press 2			Retainer		Depth	
Shoe Jt.	41.84	Type			Perfs		CIBP	

Customer Signature:	Basic Representative:	Victor A. Corona
	Basic Signature:	<i>Victor A. Corona</i>
	Date of Service:	4/16/2019

Merit Energy
5 1/2 Production
Jacquart #5
4/16/2019



Pumping Order / Mixture

Client: Merit Energy
Date: 4/16/2019
Job: 5 1/2 Production

Well Name & No: Jacquart 5
Location Supervisor: Victor A. Corona
COMPANY REP. Rodney Gonzales

Differential Pressure 808 psi
Lift Pressure: 500 psi

Recipe

Pressure Test PSI: 2500

MAX PSI: 1500

10 BBLs MUD FLUSH SPACER

14 BBLs RAT & MOUSE YIELD 1.57

13.6 LBS

50SKS 7.18G/SK

76 BBLs TAIL SLURRY YIEL 1.57

13.6 LBS

275SKS 7.18G/SK

DROP PLUG/WASH PUMP ON TO PIT

130.0 BBLs OF DISPLACEMENT

120.0 BBLs @ 5 BPM

10.0 BBLs AT 2-3 BPM TO BUMP PLUG

DISP PLUG WITH 130 BBLs OF H2O /KCL

LAST 20BBLs STAGE EVERY 5BBLs

MBC WELL LOGGING LLC

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

Well Name: JACQUART 5 AFE 63395 MERIT ENERGY CO LLC
 API: API 15-081-22188-0000
 Location: HASKELL COUNTY, KANSAS USA
 License Number: 32446
 Spud Date: 4-11-2019
 Surface Coordinates: 2491fwl'-1514'fsl-SEC 15-T28S-R34W
 Bottom Hole Coordinates: HLS-DIL/SP/GR CNL/CAL/PE/BHV SONIC SFC- GR TO SFC'
 Ground Elevation (ft): 3039.7 K.B. Elevation (ft): 3053
 Logged Interval (ft): 4000 To: 5680 Total Depth (ft): Elog
 Formation: ST LOUIS
 Type of Drilling Fluid: MUDCO JUSTIN WHITING CELL (620)-214-3630
 Region: EUBANK
 Drilling Completed: 4-15-19

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




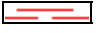
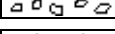











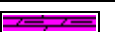


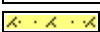








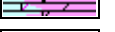



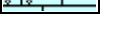






OPERATOR

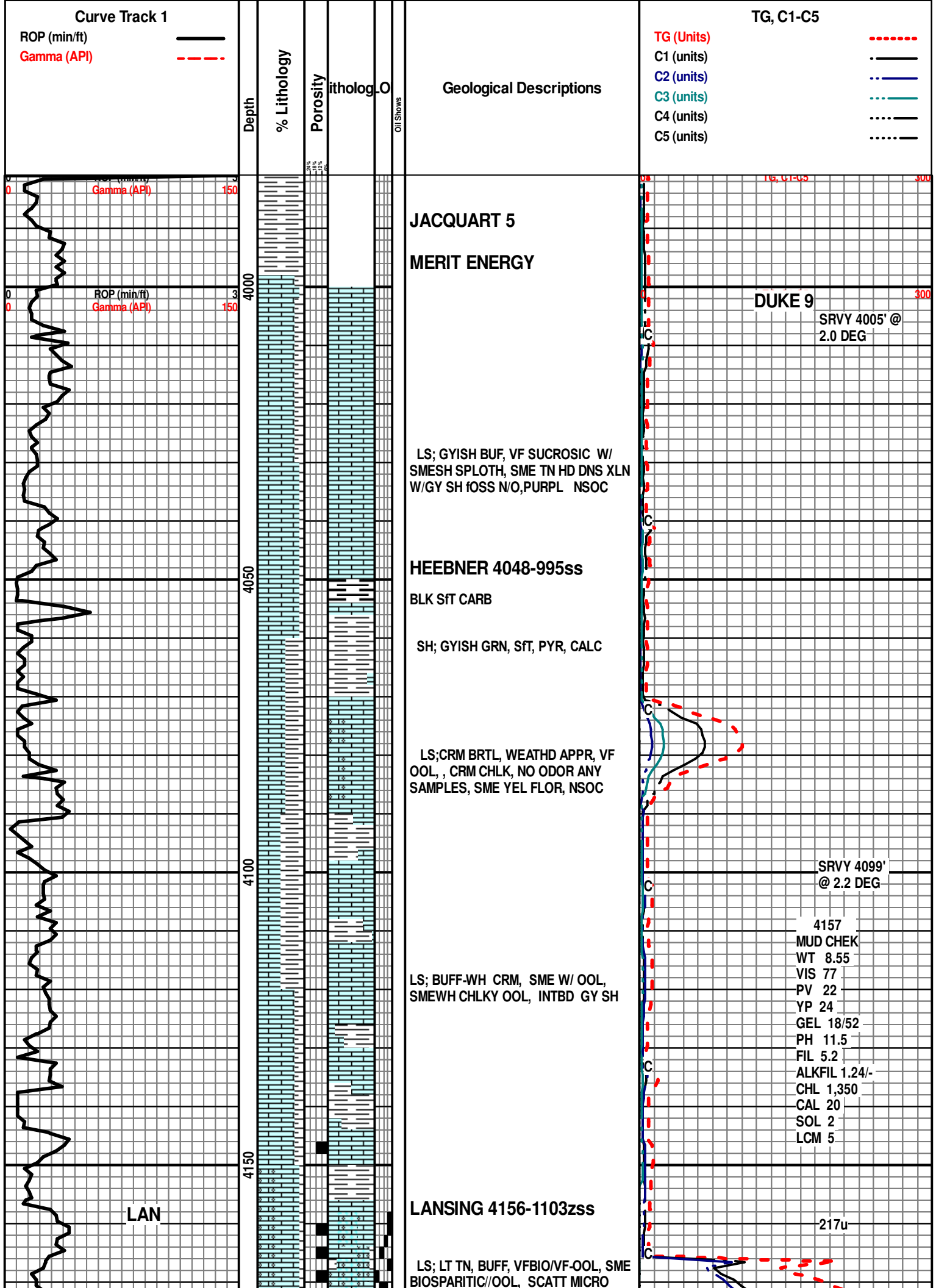
Company: MERIT ENERGY CO LLC
 Address: ATTN KRYSTIN ROBINSON GEOLOGY
 13727 NOEL RD STE 1200
 DALLAS, TEXAS 75240

MUDLOGGER

Name: AUSTIN GARNER//TROY FOWLER
 Company: MBC WELL LOGGING LLC
 Address: 21156 RD 22
 MEADE, KANSAS 67864

ROCK TYPES

	Anhy		Oolitic ls -1		Sndy sh		Red sh-1
	Brec		Stgensndy-arkos		Sltst-1		Stgensndy-arkos
	Cht		New ls-1		Sltly-shale		Sndy ool ls
	Coal		Carby shale		Lmy ss-1		Sndy-ls-1
	Congl		Lmy carby sh-3		Arkosic snd		Calc shale
	Shly dolomite		Carb sh		Ss		Granitewash
	Dolo new		Gyp		Grn sh strk		Ls shly-b
	New dolomite		Sltst		Grn mott gy sh		Poor sortd ss
	Newdolo ls 2		Salt		Lmy sh-2		Snd-ls-sh
	Ls & ooids		Sndy sh--red		Shale-1		



V/PUNGENT
ODOR

ROP (min/ft)
Gamma (API)

ODOR

ODOR

ODOR

ODOR

WOB

4200

4250

4300

4350

GASBUBLS, NO VIS FREE OIL,
MAINLY BRIT YEL FLO, SLO THIN
FLASH CUT WET V/PUNGENT ODOR

SH- GY DRK GY, FRM BRITT, SMTH BLK
TO GRNY. CALC TO CARB IP

LS- CRM OFF WHT LT GY, HRD DNS TO
BRITT, F-XLN, SUCRO TO CHLKY, TRS
OF SFT OFF WHT CHLK, F/TRS OF
FOSS FRAGS, TR OF LAMN CARB SH,
F/TRS OF GY CHRT, DLL YEL FLO,
POSS PR MICRO-PP POR IP, NO VIS
CUT OR SHOW, FAIR ODOR

LS- CRM OFF WHT GY TO BUFF, HRD
DNS TO BRITT, F/VF-XLN, SUB-SUCRO
TO V/CHLKY, ABNDT TRS OF SFT OFF
WHT CHLK, F/TRS OF SHADOW OOL,
CALC SPAR, YEL FLO, NO VIS POR,
NO VIS CUT OR SHOW, FAINT ODOR

LS- CRM GY, HRD DNS TO BRITT,
F/XLN, SUCRO TO CHLKY, DLL YEL
FLO, NO VIS POR, NO VIS CUT OR
SHOW, FAINT ODOR

SH- GY DRK GY, FRM BRITT, BLKY
GRNY, CALC

LS- CRM OFF WHT GY LT GY TO BUFF,
HRD DNS TO BRITT, F-XLN,
SUB-SUCRO TO V/CHLKY. TRS OF SFT
OFF WHT CHLK, TRS OF MICRO-OOL
IP, F/TRS OF OFF WHT CHRT, DLL YEL
FLO, POSS PR MICRO-PP POR IP, NO
VIS CUT OR SHOW, FAINT ODOR

LS- CRM OFF WHT LT TN TO LT GY,
HRD DNS TO BRITT, F-XLN, SUCRO TO
CHLKY, TRS OF OOL CRS M/F GRN SM
IN CHRT, TRS OF GY CHRT, DLL YEL
MIN FLO, POSS MICRO-PP POR IP, NO
VIS CUT OR SHOW, FAINT ODOR

BLK CARB SH GRNY CALC IP

LS- CRM OFF WHT LT GY TO LT BRN
HRD DNS, F/VF-XLN, SUB-SUCRO TO

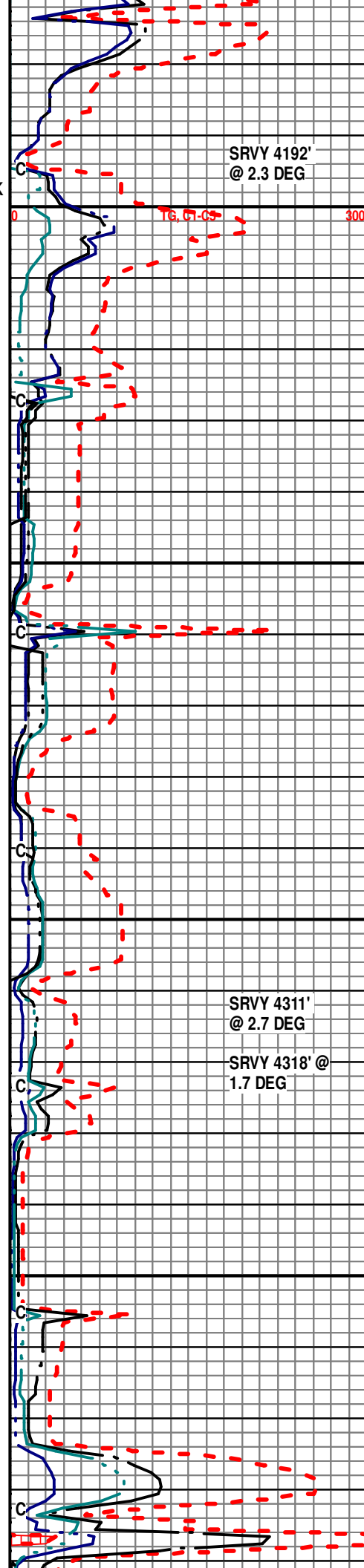
SRVY 4192'
@ 2.3 DEG

TG. C1-C2

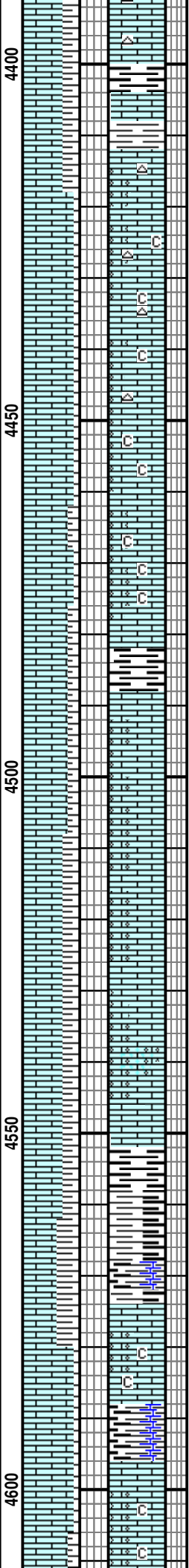
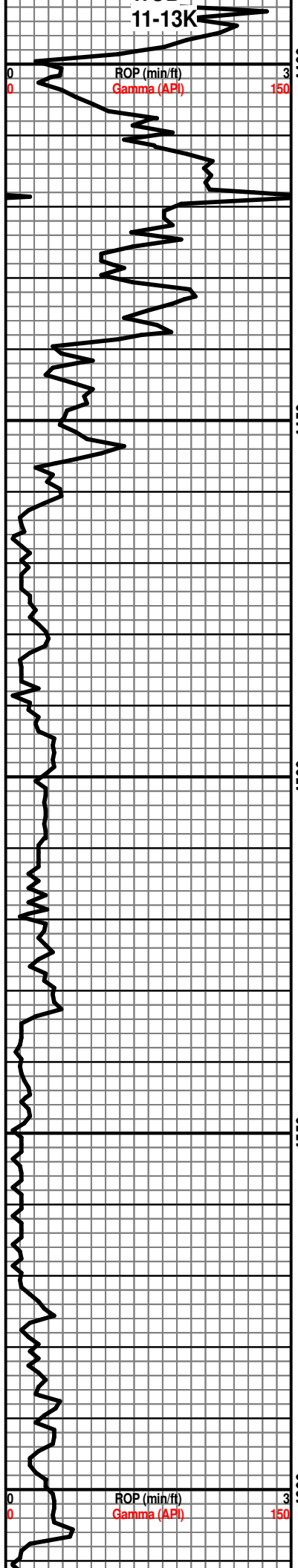
300

SRVY 4311'
@ 2.7 DEG

SRVY 4318' @
1.7 DEG



11-13K



CHLKY, TRS OF GY TN CHRT W/ TRS OF OOL, DLL YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW

LS- CRM OFF WHT LT GY LT TN TO BUFF, HRD DNS TO BRITT, F-XLN, CHLKY, GRNY TO AHREN IP, TRS OF FOSS FRAGS, TRS OF OOL IP PR SORTD SME SHADOW OOL. DLL YEL MIN FLO, POSS PR PP POR, NO VIS CUT OR SHOW, WEAK ODOR

LS- GY OFF WHT LT TN TO BUFF, HRD DNS TO BRITT, F-XLN, SUCRO TO V/CHLKY, TRS OF SFT CHLK IP, TRS OF PR SORTD POSS WEATHERD OOL, DLL YEL MIN FLO, NO VIS POR, NO VIS CUT ORSHOW

CARB SH BLK

LS- OFF WHT LT GY TO LT TN, HRD DNS TO BRITT, F-XLN, TRS OF OOL PR SORTD MICRO TO CRS GRNS, CHLKY, F/TRS OF GY CHRT, F/TRS OF FOSS FRAGS, DLL YEL FLO, POSS PR PP POR, NO VIS CUT OR SHOW, NO ODOR

LS- OFF WHT LT TN BUFF TO LT GY, HRD BRITT, SUCRO TO V/CHLKY, TRS OF FOSS FRAGS, INCR TRS OF OOL MD/F FAIR SORTD IP SME IN CHRT, TRS OF GY OFF WHT CHRT, SPOTTY YEL FLO, POSS PR OOLICAST TO PP POR, NO VIS CUT OR SHOW, WEAK ODOR

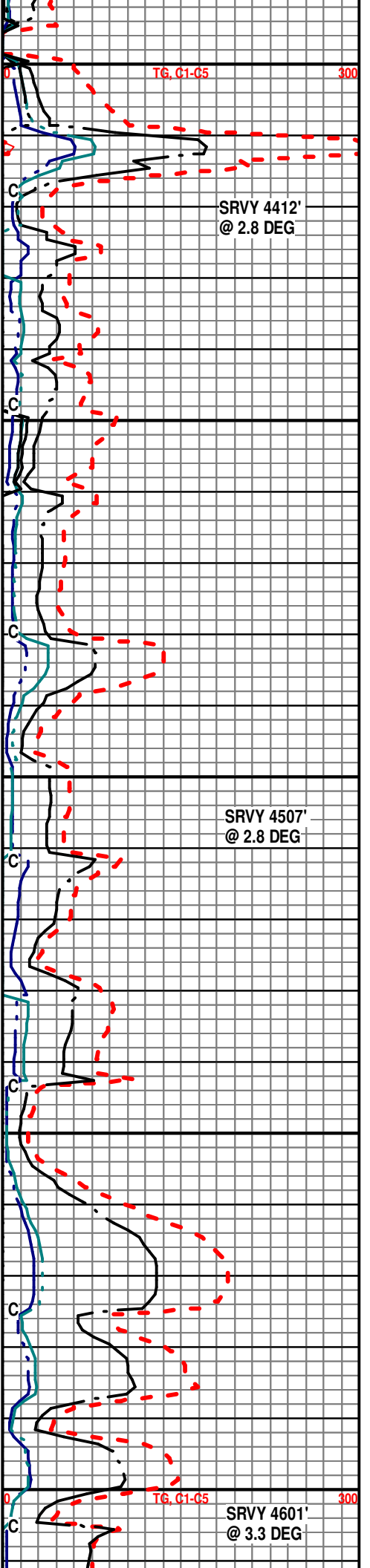
STARK

SH- GY DRK GY TO BLK, CARB TO CALC GRNS IP

SWOPE

LS- CRM OFF WHT LT GY TO LT TN, HRD DNS TO BRITT, F-XLN, SUCRO TO CHLKY, TRS OF FOSS FRAGS, F/TRS OF OOL IP, TRS OF LMN TO DISS GY SH IP, DLL YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW

LS- GY LT GY OFF WHT, HRD DNS TO BRITT, F-XLN, CHLKY, TRS OF FOSS FRAGS, F/TRS OF QRTZ XLS, TRS OF GY OFF WHT CHRT, TRS OF OOL FR



TG, C1-C5

300

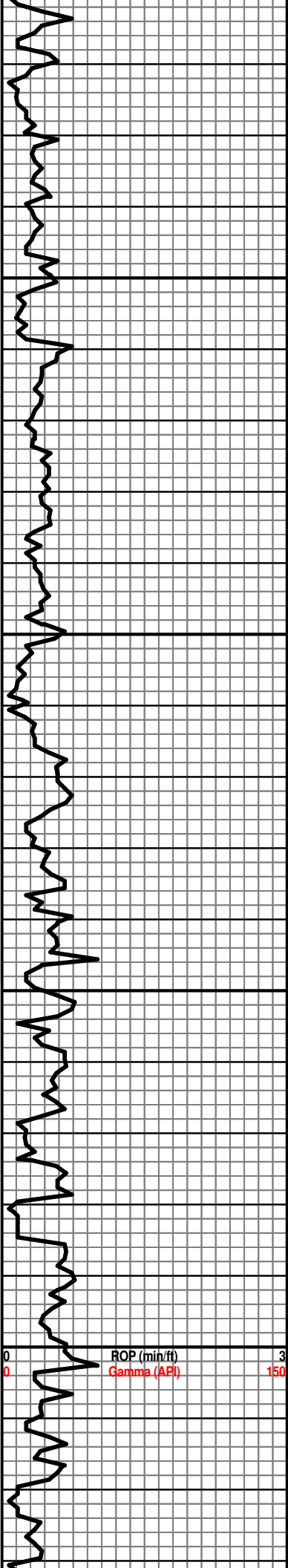
SRVY 4412' @ 2.8 DEG

SRVY 4507' @ 2.8 DEG

TG, C1-C5

300

SRVY 4601' @ 3.3 DEG

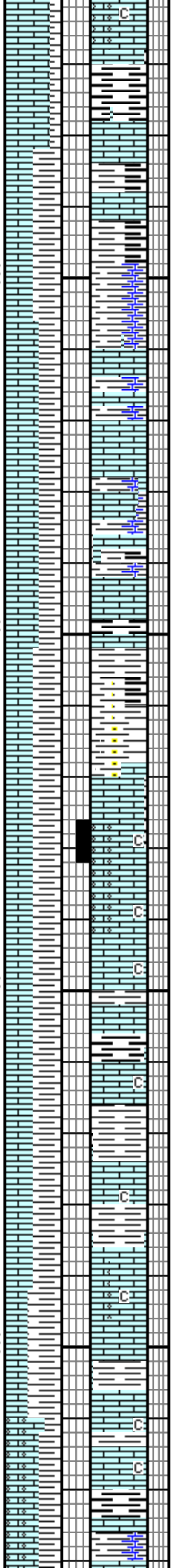


4650

4700

4750

4800



SORTD, DLL YEL FLO, NO VIS POR, NO VIS CUT OR SHOW, NO ODOR

HUSH SH
SH- SFT BLK CARB

LS- CRM OFF WHT TO LT TN, HRD DNS TO BRITT, F-XLN, CHLKY IP, TRS OF GY CHRT, SME OOL IP, DLL YEL FLO, POSS PR PP PR TO POSS VUG POR IP, NO VIS CUT OR SHOW, FAINT ODOR

SHLY LS- GY DRK GY, FRM BRITT, CHLKY/CALC

LS- GY OFF WHT TO BUFF, HRD DNS TO BRITT, F/VF-XLN, SUCRO TO CHLKY, TRS OF OOL IP, DLL YEL FLO, POSS PR OOLICAST POR, NO VIS CUT OR SHOW, EARTHY ODOR?

PLSNT SH 4701-1648ss

SH- GY DRK GY TO BLK, FRM BRITT, GRNY TO SLI SILTY IP. CARB TO SLIC CALC

MARMATON 4716-1663

LS- CRM LT TN TO LT GY, HRD DNS TO BRITT, SUCRO TO SLI CHLKY, TRS OF OOL FR SORT M/F GRNS, DLL YEL MIN FLO, PR/FR OOLICAST TO VUG POR, NO VIS CUT OR SHOW

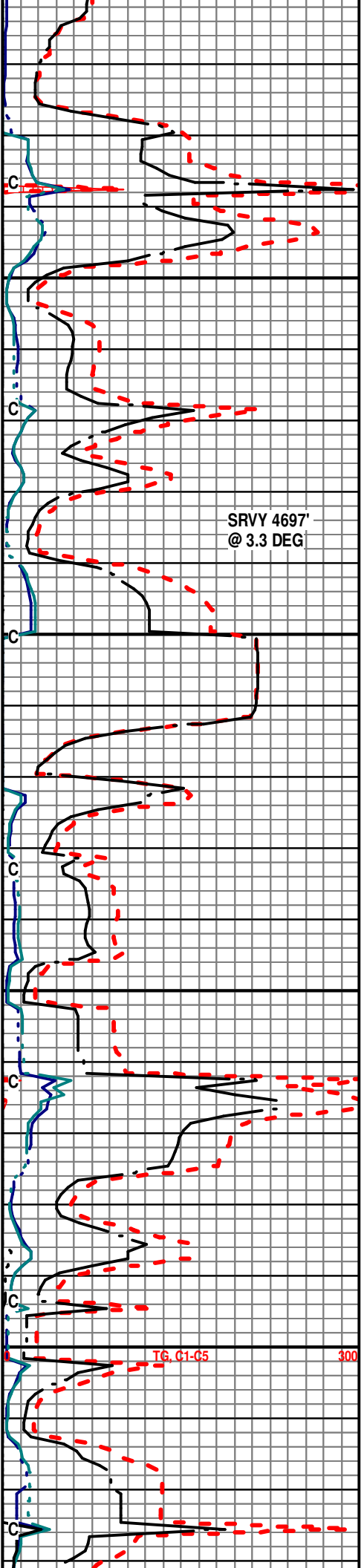
SH- GY DRK GY TO BLK, CARBY

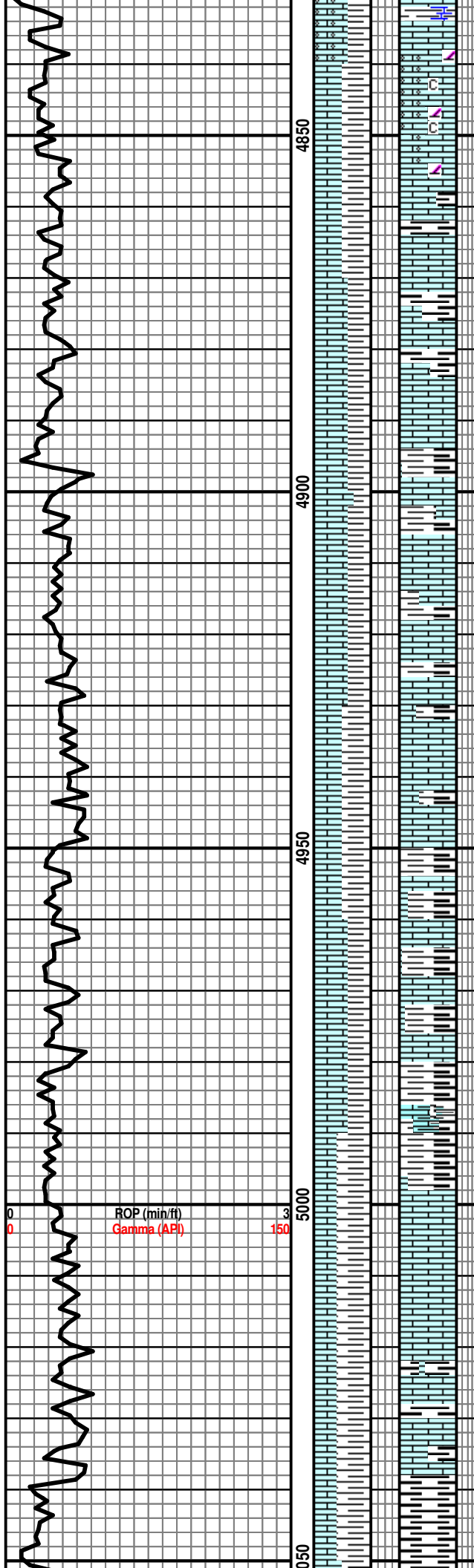
SH- GY DRK GY, FRM BRITT, SMTH BLKY TO GRNY, SILTY IP

LS- GY OFF WHT, HRD DNS TO BRITT, F/VF-XLN TO SLI AHREN, SUCRO TO V/CHLKY, WEATHRD, F/TRS OF MICRO OOL, DLL YEL MIN FLO, POSS PR INTER-GRN POR, NO VIS CUT OR SHOW

BANDERA SH? 4818-1765ss

SH- SFT BLK CARB





LS- TN OFF WHT GY TO MOTT, HRD
 DNS TO BRITT, F-XLN, SUCRO TO
 CHLKY, TRS OF OOL FR SORTD SLI
 WEATHRD SME SHADOW TR TV VF
 DOLO, , DLL YEL MIN FLO, POSS PR
 OOLICAST POR TO NO VIS POR, NO
 VIS CUT OR SHOW, NO ODOR

SH; BLK DK GY, CARBY,

LS; TN PELL IN WH MATRIX, TR CHLK
 W/OOL, N/O, PRED PURPL FLOR
 SMEGOLDNSOC

CHEROKEE 4932-1879ss

SH; SILKY GREEN, SMEGRNIGY
 SH, BLACK CARB SH

LS; LT CRMMOTT TN, VF F DETRIT &
 VF OOL, TRCRIN, INCRSDIRTY GY
 SHKY KLS, FAINT ODOR, PURPL OCC
 FAINT GOLDFNSOC

BLK CARBY SH

LS; TN MOTT CRM, DNS INCRSSHLY,
 N/O MFNSOC

LS; LT GY-TN PREDHDDNSW/SHDW
 OSS SME OOL, IMBD CHT, N/O
 MFNSOC

SH BLK, DK GY CALC TO LMY
 CARBY INTBD LS STRINGERS

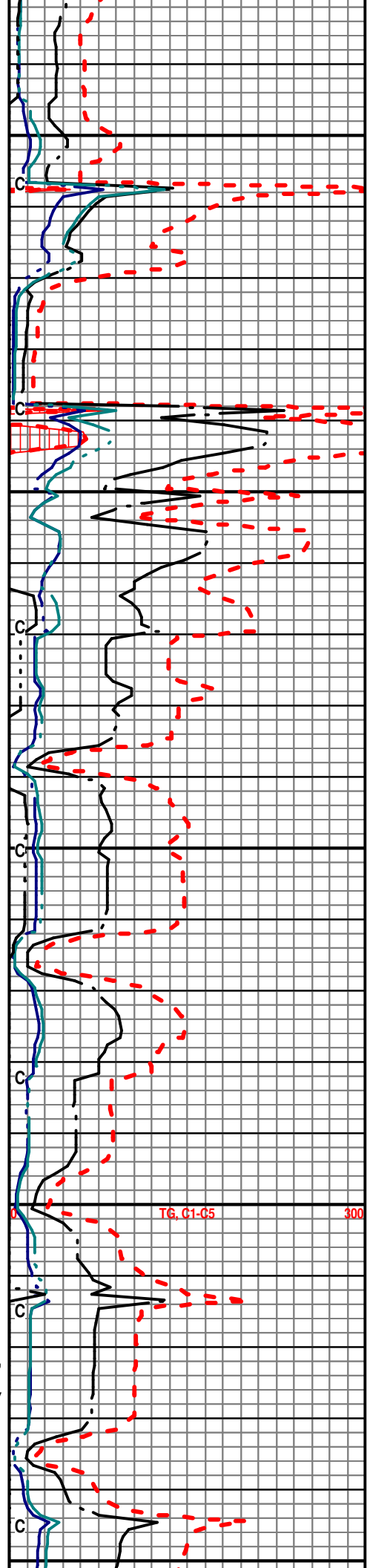
SH; DULL GY, SMEBRNISH, LMY IP,
 CARBY IP

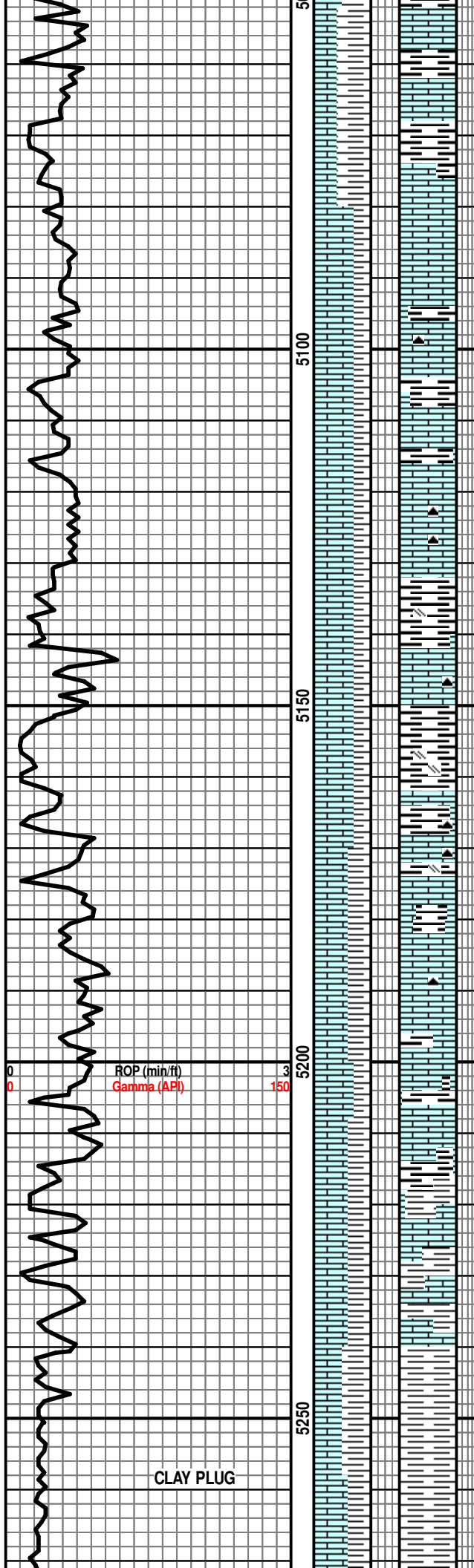
BRN GY HD DNS ARGIL LS

LS; LTGY SLI TN, HDXLN FLKY FRAC,
 CHLK EDGES, SHLY, TR BRN VIT ANG
 FOSSCHT, TR CRM VFSUCROSIC W/GY
 SPOTS, N/O, PURPL SMEGOLD
 MFNSOC

BLACK CARB SH

SH; LT GY GYSET LMY SME CARBY





SH; V/LT GY GYSPLEMY SME CARBY
 LS; LT BRN TN, DNSXLN, SLI SHLY,
 TO LT BRN S-CHLKY, SME FSS,
 FT-GOLD TO PURPL FLOR NSOC N/O

LS; LT GYISBRN HD DNS XLN SHLY,
 INTBD CARBY SH

LS; LT CRM-CHLKY, COMMGLD W-GY
 HD DNS SME BIOSPARITIC, OPAQ VIT
 VFOSS, MFNSOC N/O

SH; DULL BLK, BLKY, CARBY, LMY
 TO CALC, SME GYP BANDS

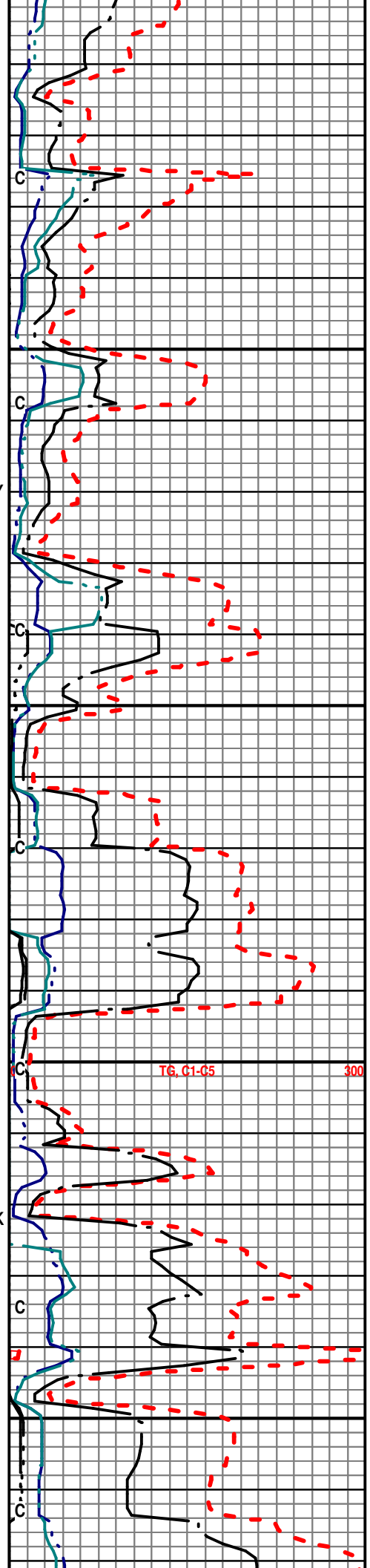
LS; GY TN HD DNS SHLY, FOSS
 FRGS, BLK VIT FOSSCHT, INTBD
 CARBY SH

LS; BLK, DK GY, SME VF MOTT CRM,
 FOSS FRGS, SHLY, TR GY CHT, PYR,
 MARLY IP, INTBD BLK TO PYRITIC BRN
 SH, N/O, BLK TO SCATT GOLD
 MFNSOC

LS; GYBRN BRN BRTL, VFDETRT-&
 OOL, VF SH PELL, TR WH S-CHLK/BLK
 SPKLD, N/O MFNSOC

MORROW 5242-2189ss

SH BLK CARBY, PRED V/LT BRN SFT
 W/BLK PELL, SME V/LT GY GRN W-GY
 MOTT & STRKS

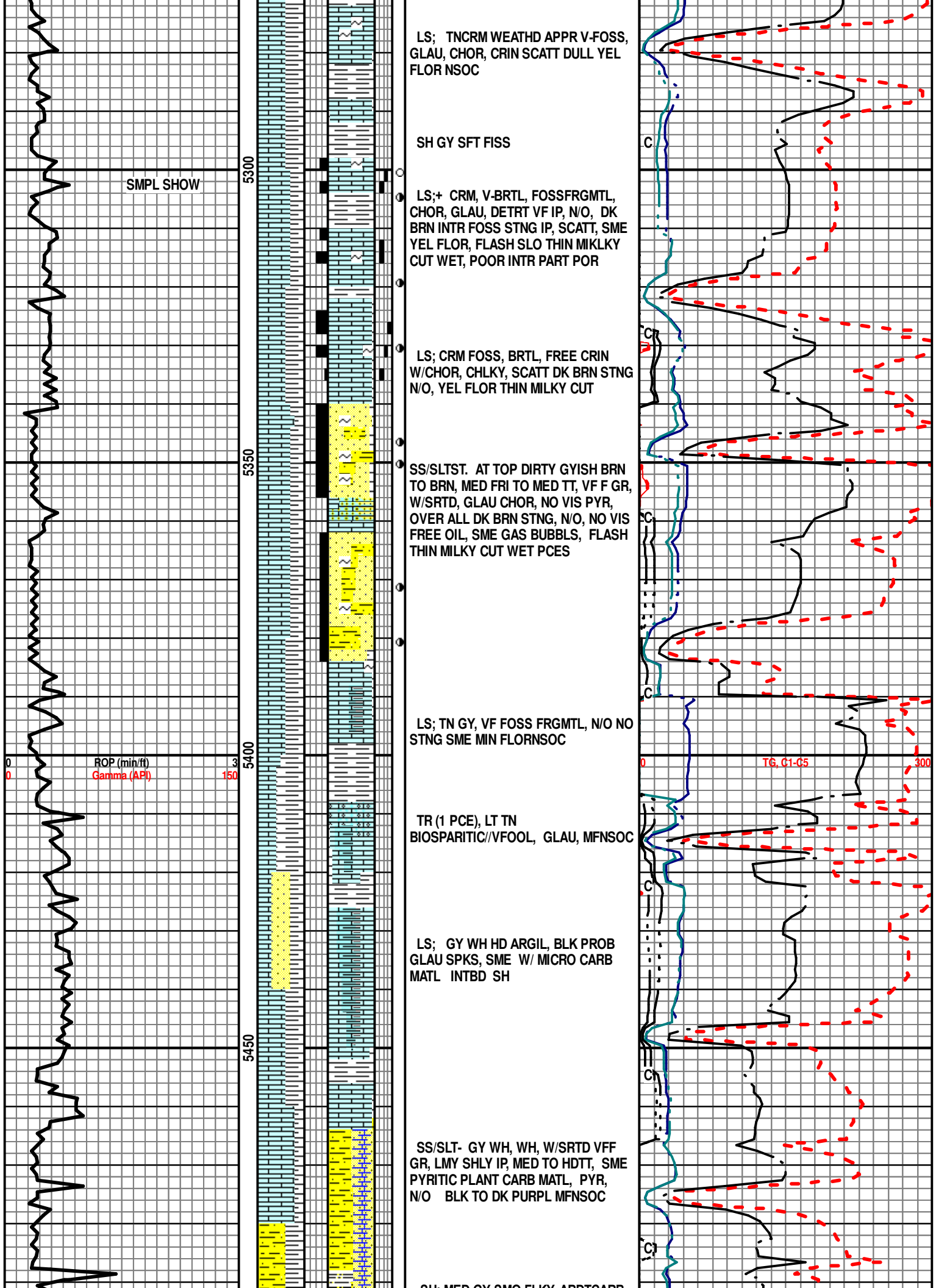


ROP (min/ft)
 Gamma (API)

TG. C1-C5

300

CLAY PLUG



LS; TNCRM WEATHD APPR V-FOSS, GLAU, CHOR, CRIN SCATT DULL YEL FLOR NSOC

SH GY SFT FISS

LS;+ CRM, V-BRTL, FOSSFRGMTL, CHOR, GLAU, DETRT VF IP, N/O, DK BRN INTR FOSS STNG IP, SCATT, SME YEL FLOR, FLASH SLO THIN MILKY CUT WET, POOR INTR PART POR

LS; CRM FOSS, BRTL, FREE CRIN W/CHOR, CHLKY, SCATT DK BRN STNG N/O, YEL FLOR THIN MILKY CUT

SS/SLTST. AT TOP DIRTY GYISH BRN TO BRN, MED FRI TO MED TT, VF F GR, W/SRTD, GLAU CHOR, NO VIS PYR, OVER ALL DK BRN STNG, N/O, NO VIS FREE OIL, SME GAS BUBBLS, FLASH THIN MILKY CUT WET PCES

LS; TN GY, VF FOSS FRGMTL, N/O NO STNG SME MIN FLORNSOC

TR (1 PCE), LT TN BIOSPARITIC/VFOOL, GLAU, MFNSOC

LS; GY WH HD ARGIL, BLK PROB GLAU SPKS, SME W/ MICRO CARB MATL INTBD SH

SS/SLT- GY WH, WH, W/SRTD VFF GR, LMY SHLY IP, MED TO HDTT, SME PYRITIC PLANT CARB MATL, PYR, N/O BLK TO DK PURPL MFNSOC

SMPL SHOW

ROP (min/ft)
Gamma (API)

TG. C1-C5

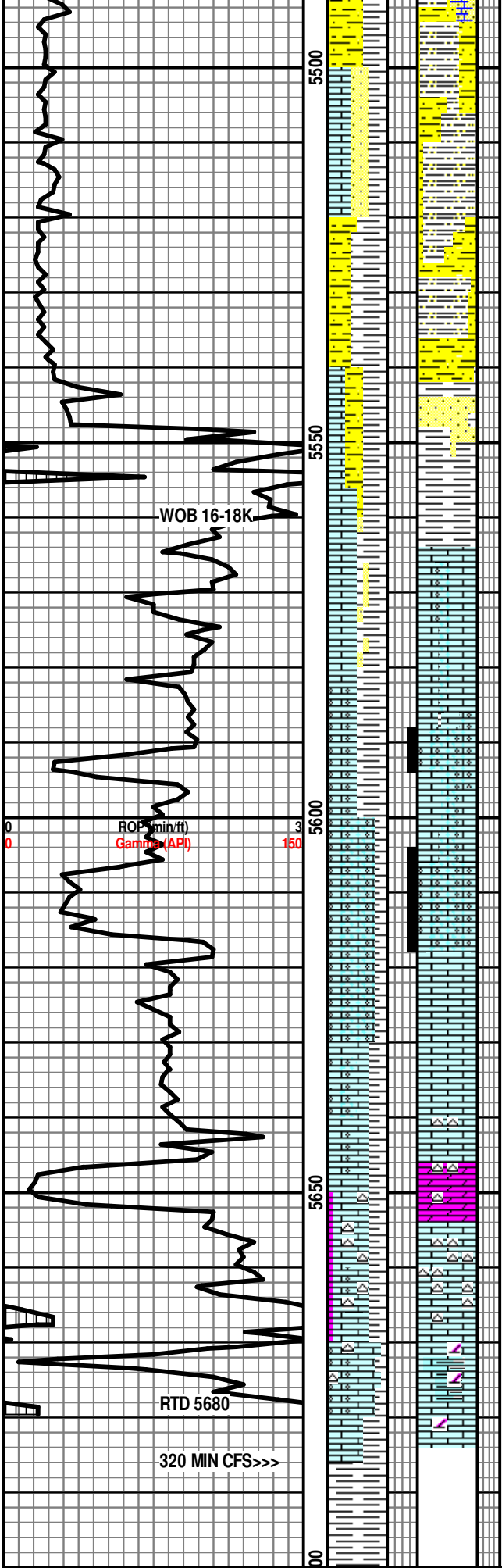
300

5300

5350

5400

5450



SH; MED GY SMO FLKY, ABDT CARB
MATL, FREE CRS PYR CLSTRS

SH; GY MED GU, TR GRN W/PYR,
SNDY SLTY, ABDT CARB MATL, FREE
PYR CLSTRS MICA,

LS; CRM CHLKY TR LT CRMBRN
SHADOW F-OOL, IN CHLK, MIN FLOR
N/O NSOC

LS; CRM-OFF WH, CHLKY FAIR SRTD
F TO LWR MED OOL, SME SHALLOW
OOLCAS W/ CHLK REPLCMT OOIIDS
THIN RIM COAT, FREE VF TO UPER
FINE OOIIDS FREE VF FOSS
DEBRIS, PURPL TO FAINT GOLD
MFNSOC N.O

SPERGEN

V/LT GY BUFF VF DOLOMITE, INCRS
BRN TO LT BUFF HDDNSOOL LSABDT
CHT

CRM WH CHLKY MED TO FINE OOL, NO
SHOW—GROUND UP SUGARY

THANKS FOR USING
MBC WELL LOGGING
AUSTIN & MARLA GARNER
& TROY FOWLER

