

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	Black Oak Exploration, LLC
Well Name	TAYLOR TRUST 1-17
Doc ID	1581910

All Electric Logs Run

Por
Micro
Sonic
DIL
Spectral



CEMENT TREATMENT REPORT

Customer:	BLACK OAKEXPLORATION	Well:	TAYLOR TRUST 1-17	Ticket:	WP
City, State:		County:	SSELL,KS	Date:	5/8/2021
Field Rep:		S-T-R:	17-12S-14W	Service:	8 5/8" SURFACE

Downhole Information	
Hole Size:	12 1/4 in
Hole Depth:	671 ft
Casing Size:	8 5/8 in 23#
Casing Depth:	670 ft
Tubing / Liner:	in
PLUG DEPTH:	650 ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	41.5 bbls

Calculated Slurry - Lead	
Blend:	H-CON
Weight:	12.0 ppg
Water / Sx:	15.8 gal / sx
Yield:	2.56 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	68.4 bbls
Total Sacks:	150 sx

Calculated Slurry - Tail	
Blend:	H-325
Weight:	14.8 ppg
Water / Sx:	6.4 gal / sx
Yield:	1.38 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	36.8 bbls
Total Sacks:	150 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
8:00PM			-	-	5-7-21 ON LOCATION - SPOT EQUIPMENT
8:10AM				-	5-8-21 RUN 16 JTS 8 5/8" X 23# CASING
9:15AM				-	CASING ON BOTTOM
9:30AM				-	HOOK UP TO CASING WITH HEAD AND MANIFOLD
9:32AM				-	BREAK CIRCULATION WITH RIG PUMP AND MUD - COULD NOT GET WATER FROM RIG WATER TANK/ WAIT ON WATER TRUCK
10:35AM	5.0	350.0	10.0	10.0	H2o AHEAD
10:40AM	5.0	250.0	68.4	78.4	MIX 150 SKS H-CON@ 12 PPG
10:53AM	5.0	100.0	36.8	115.2	MIX 150 SKS H-325 @ 14.8 PPG
11:00AM				115.2	SHUT DOWN- DROP WOODEN PLUG
11:05AM	5.0	100.0	-	115.2	START DISPLACEMENT
11:12AM	3.0	275.0	35.0	150.2	SLOW RATE
11:15AM	3.0	300.0	41.5		PLUG @ DESIRED DEPTH
					CIRCULATION THRU JOB
					CIRCULATED 10 BBL TO PIT
					WASH UP PUMP TRUCK
					JOB COMPLETE,
					THANKS- KEVEN AND CREW

CREW		UNIT	SUMMARY		
Cementer:	LESLEY	75	Average Rate	Average Pressure	Total Fluid
Pump Operator:	McLAMORE	176-521	4.3 bpm	229 psi	192 bbls
Bulk #1:	(RH) TREVINO	181-532			
Bulk #2:					



CEMENT TREATMENT REPORT

Customer: Black Oak Exploration	Well: Taylor Trust # 1- 17	Ticket: WP 1409
City, State: Oakley Ks	County: Russell KS	Date: 5/19/2021
Field Rep: Josh Mosier	S-T-R: 17-12S-14W	Service: PTA

Downhole Information Hole Size: 7.875 in Hole Depth: ft Casing Size: in Casing Depth: ft Tubing / Liner: in Depth: ft Tool / Packer: Tool Depth: ft Displacement: bbls		Calculated Slurry - Lead Blend: H- Plug Weight: 13.8 ppg Water / Sx: 6.9 gal / sx Yield: 1.42 ft ³ / sx Annular Bbls / Ft.: 0.0406 bbs / ft. Depth: 3050 ft Annular Volume: 123.8 bbls Excess: Total Slurry: 54.4 bbls Total Sacks: 215 sx		Calculated Slurry - Tail Blend: Weight: ppg Water / Sx: gal / sx Yield: ft ³ / sx Annular Bbls / Ft.: bbs / ft. Depth: ft Annular Volume: 0 bbls Excess: Total Slurry: 0.0 bbls Total Sacks: 0 sx	
TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
845A			-	-	GOT TO LOCATION
850A				-	SAFETY MEETING
855A				-	RIGGED UP TRUCKS
932A	3.0	250.0	5.0	5.0	PUMPED H2O AHEAD
934A	4.5	350.0	12.6	17.6	PUMPED 50 SKS OF H - PLUG @ 3050FT
937A	3.0	250.0	5.0	22.6	DISPLACED WITH H2O
940A				22.6	FINISHED DISPLACING WITH RIG PUMP
1055A		300.0	12.6	35.2	PUMPED 50 SKS OF H - PLUG @ 725 FT
1058A	3.0	250.0	5.8	41.0	DISPLACED WITH H2O
1116A		250.0	15.1	56.1	PUMPED 60 SKS OF H - PLUG @ 300
1119A		200.0	1.0	57.1	DISPLACED WITH H2O
1245P	1.5	50.0	2.5		TOPPED OFF TOP 40 FT WITH 10 SKS OF H - PLUG
1248P	2.0	50.0	7.6		PLUGGED RH WITH 30 SKS OF H- PLUG
1252P	2.0	50.0	3.7		PLUGGED MH WITH 15 SKS OF H- PLUG
100P					PLUG DOWN
105P					WASHED UPPUMP TRUCK
115P					RIGGED DOWN TRUCKS
130P					RIGGED DOWN TRUCKS
145P					OFF LOCATION

CREW		UNIT	SUMMARY		
Cementer:	Josh	73	Average Rate	Average Pressure	Total Fluid
Pump Operator:	John	208	2.7 bpm	200 psi	71 bbls
Bulk #1:	Spencer	242			
Bulk #2:					

TAYLOR TRUST 1-17
C S/2 SE 17 - 12S - 14W
KB
1617

FORMATION

STONE CORRAL	664	(953)
BASE STONE CORRAL	702	(915)
HUTCHINSON SALT	1050	(567)
BASE HUTCHINSON SALT	1280	(337)
GRAND HAVEN	2164	(-547)
BASE STOTLER LIMESTONE	2262	(-645)
TOPEKA	2501	(-884)
LECOMPTON	2595	(-978)
HEEBNER SHALE	2722	(-1105)
LANSING	2774	(-1157)
BASE KANSAS CITY	3031	(-1414)
ARBUCKLE	3088	(-1471)
TD	3104	(-1487)



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

Well Name: TAYLOR TRUST 1-17
Well Id:
Location: Sec 17 12s 14w Russell Coutny, Kansas
License Number: 15-617-24106-0000
Spud Date: April 7 2021
Surface Coordinates: C S 1/2 SE , 660' FSL & 1320' FEL
Region:
Drilling Completed: April 18th 2021

Bottom Hole
Coordinates:
Ground Elevation (ft): 1609' K.B. Elevation (ft): 1617'
Logged Interval (ft): 2400' To: 3070' Total Depth (ft): 3070'
Formation: Lansing, Kansas City
Type of Drilling Fluid: Natural Chemical

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

OPERATOR

Company: Black Oak Exploration,LLC
Address: 1474 S. St. Paul Avenue
Denver, Co. 80210

GEOLOGIST

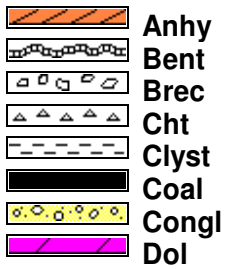
Name: Tim Hedrick
Company: .
Address: PO Box 822
Hooker, Okla. 73945

CORES

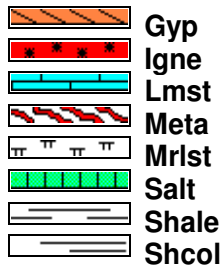
CORE #1 FROM 2771' TO 2831' RECOVERED 60'
CORE #2 FROM 2831' TO 2891' RECOVERED 60'
CORE #3 FROM 2891 TO 2951' RECOVERED 60'
CORE #4 FROM 2951' TO 2981' RECOVERED 30'

BIT USED- SHORT 7 7/8" GX261 DEPTH IN 2771'/ 21.5 HRS CUTTING TIME

ROCK TYPES



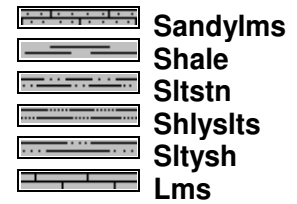
Anhy
Bent
Brec
Cht
Clyst
Coal
Congl
Dol



Gyp
Igne
Lmst
Meta
Mrlst
Salt
Shale
Shcol



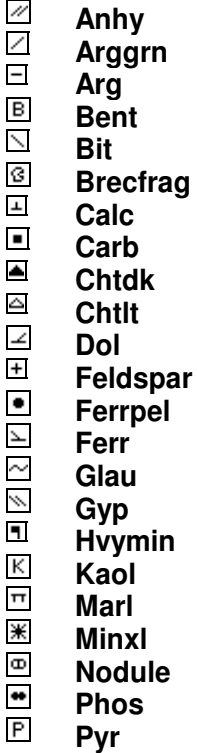
Shgy
Sltst
Ss
Till
Carb sh
Dol
Dtd
Gry sh



Sandylms
Shale
Sltstn
Shlyslts
Sitysh
Lms

ACCESSORIES

MINERAL

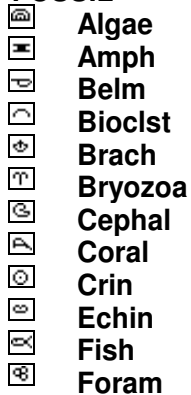


Anhy
Arggrn
Arg
Bent
Bit
Brecfrag
Calc
Carb
Chtdk
Chtlt
Dol
Feldspar
Ferrpel
Ferr
Glau
Gyp
Hvymin
Kaol
Marl
Minxl
Nodule
Phos
Pyr

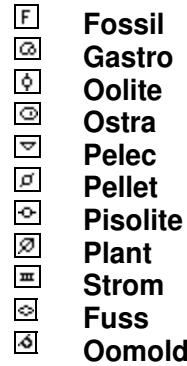


Salt
Sandy
Silt
Sil
Sulphur
Tuff
Chlorite
Dol
Sand
Sity

FOSSIL

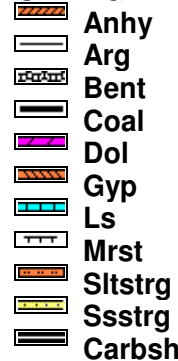


Algae
Amph
Belm
Bioclst
Brach
Bryozoa
Cephal
Coral
Crin
Echin
Fish
Foram



Fossil
Gastro
Oolite
Ostra
Pelec
Pellet
Pisolite
Plant
Strom
Fuss
Oomold

STRINGER

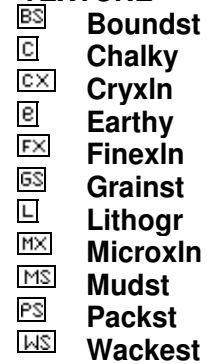


Anhy
Arg
Bent
Coal
Dol
Gyp
Ls
Mrst
Sltstrg
Ssstrg
Carbsh



Clystn
Dol
Grysh
Gryslt
Lms
Sandylms
Sh
Sltstn

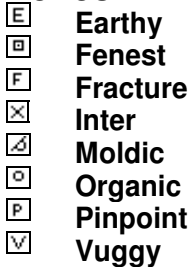
TEXTURE



Boundst
Chalky
Cryxln
Earthy
Finexln
Grainst
Lithogr
Microxln
Mudst
Packst
Wackest

OTHER SYMBOLS

POROSITY TYPE



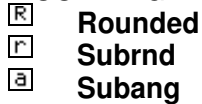
Earthy
Fenest
Fracture
Inter
Moldic
Organic
Pinpoint
Vuggy

SORTING



Well
Moderate
Poor

ROUNDING

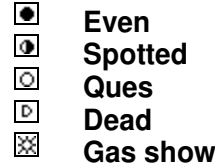


Rounded
Subrnd
Subang



Angular

OIL SHOWS



Even
Spotted
Ques
Dead
Gas show

INTERVALS

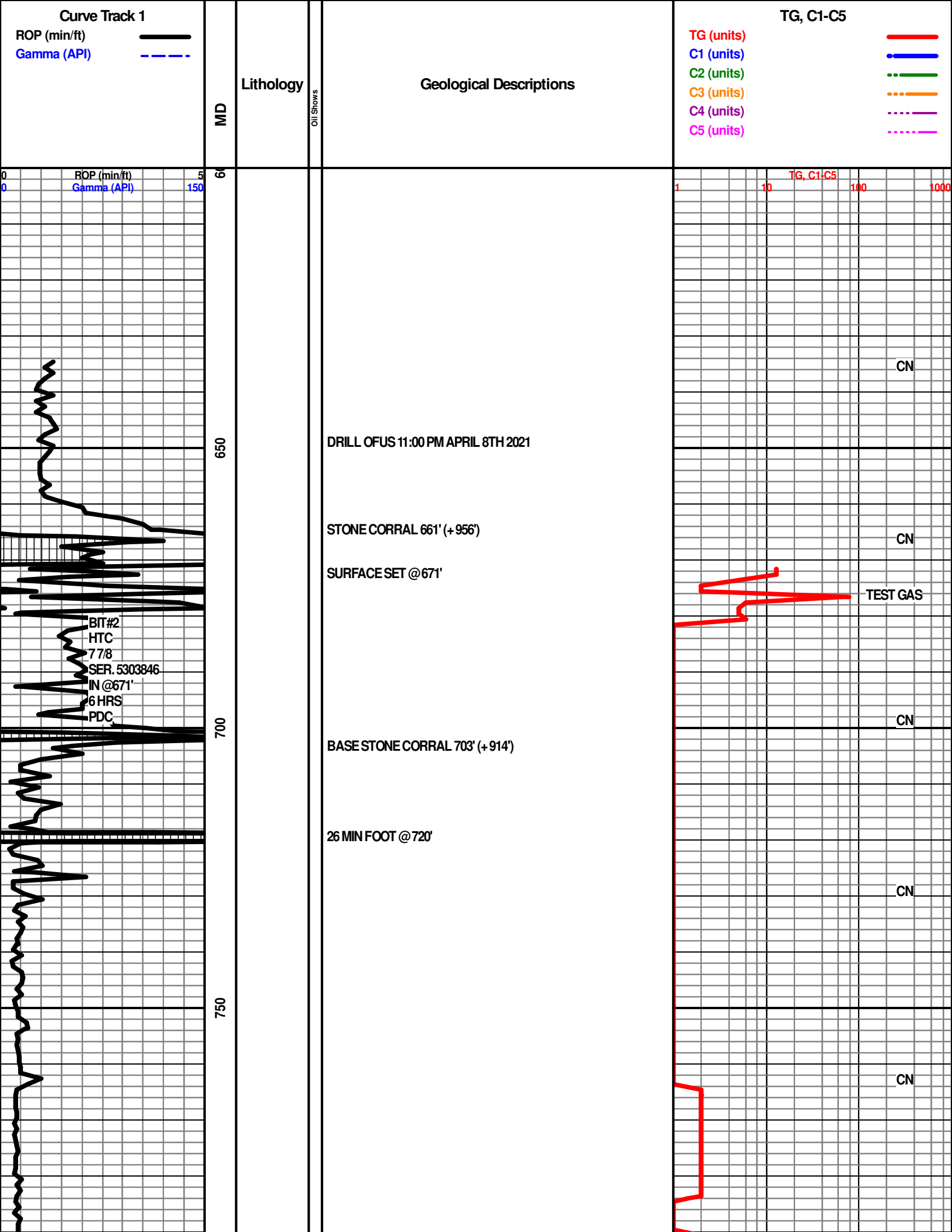


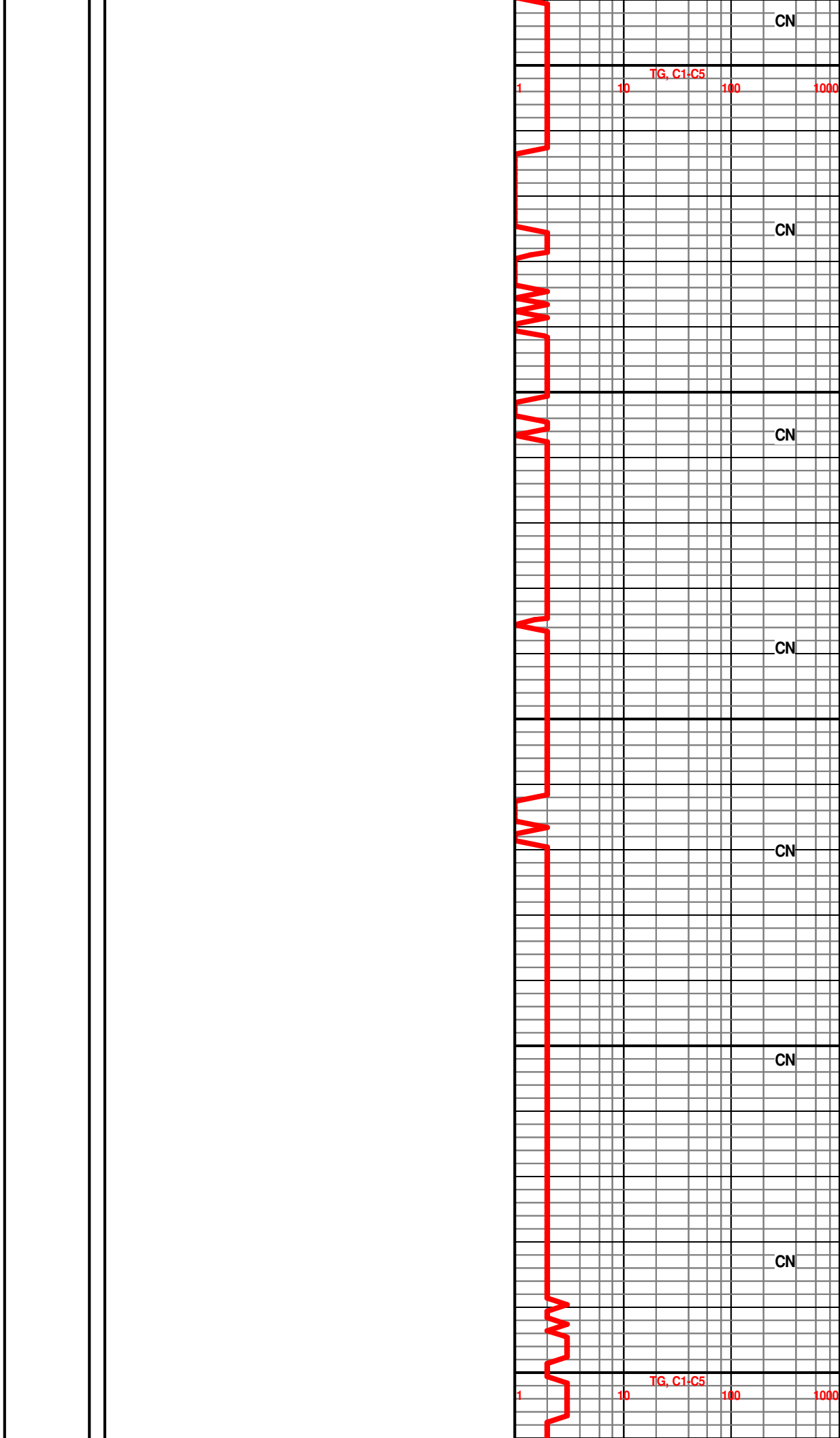
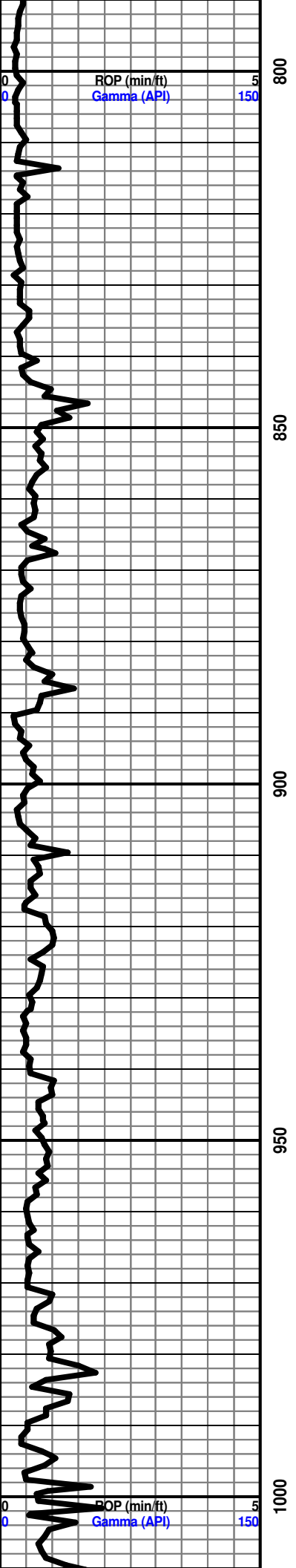
Core
Dst
Dst

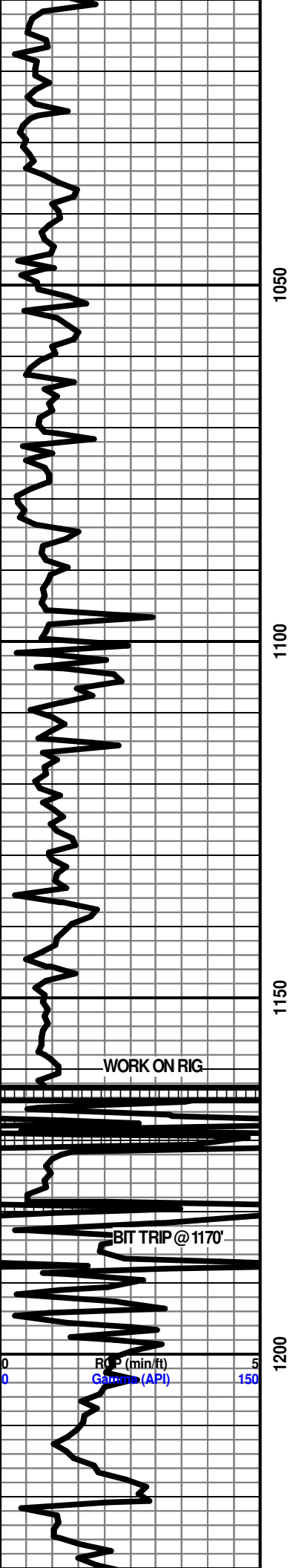
EVENTS



Rft
Sidewall







1050

1100

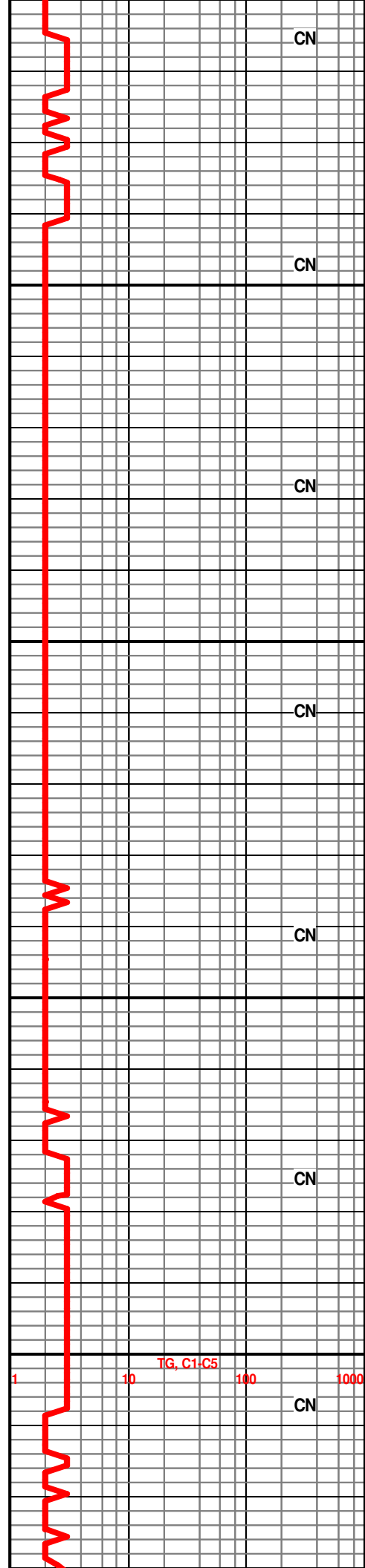
1150

1200

WORK ON RIG

BIT TRIP @ 1170'

ROP (min/ft)
Gamma (API)



CN

CN

CN

CN

CN

CN

CN

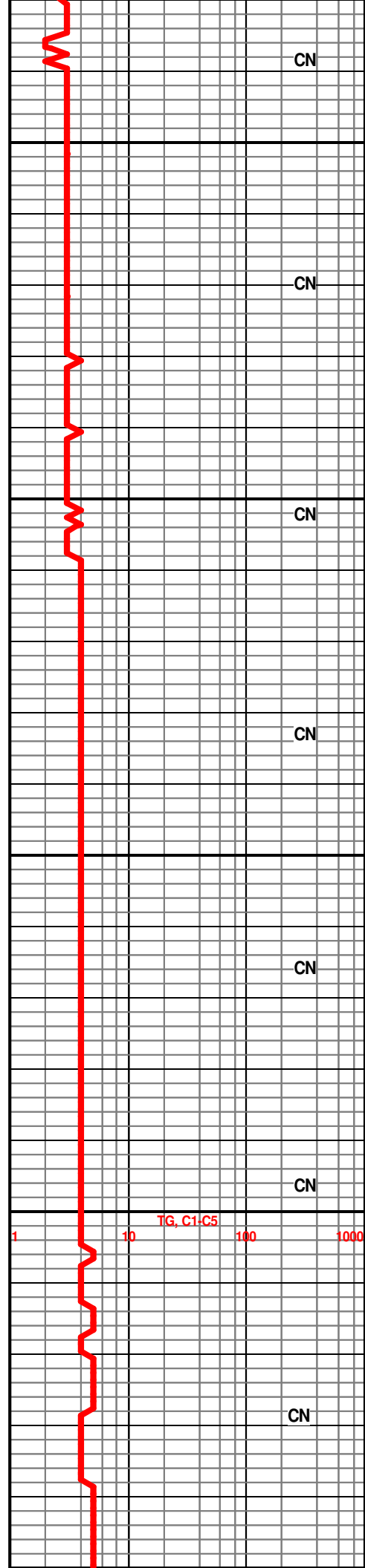
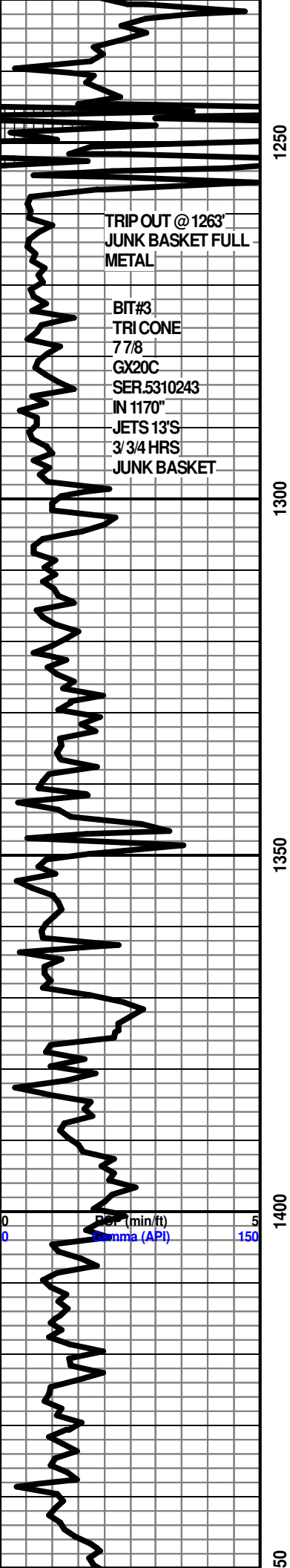
TG, C1-C5

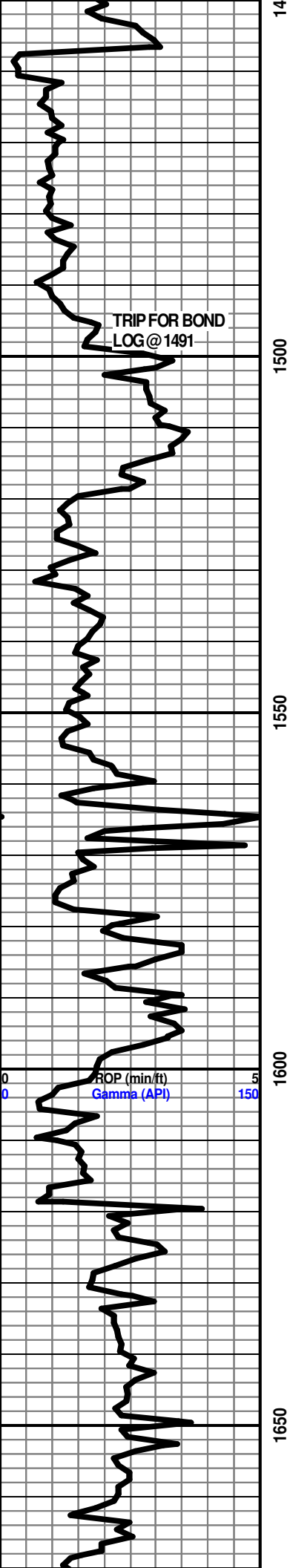
1

10

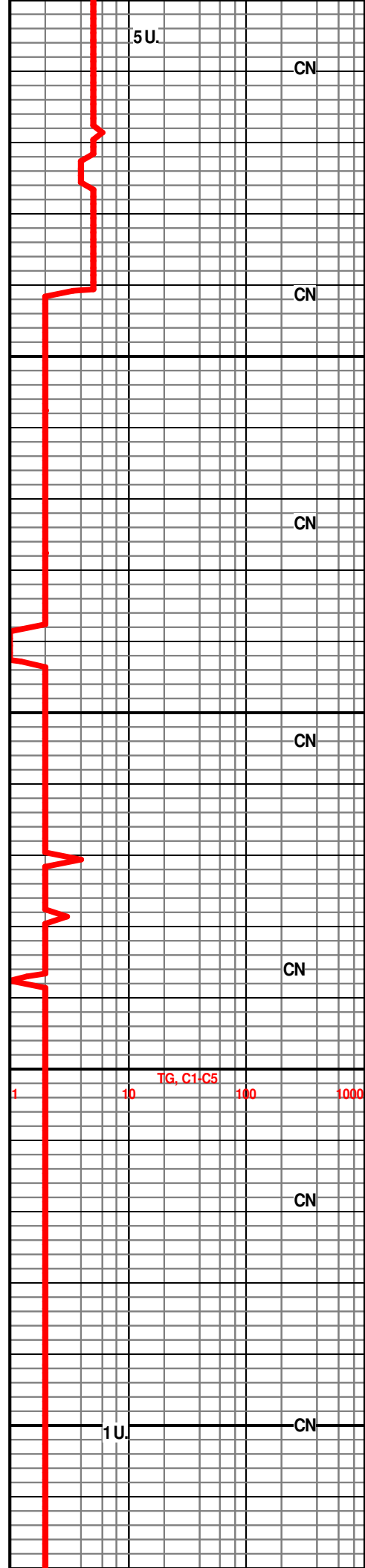
100

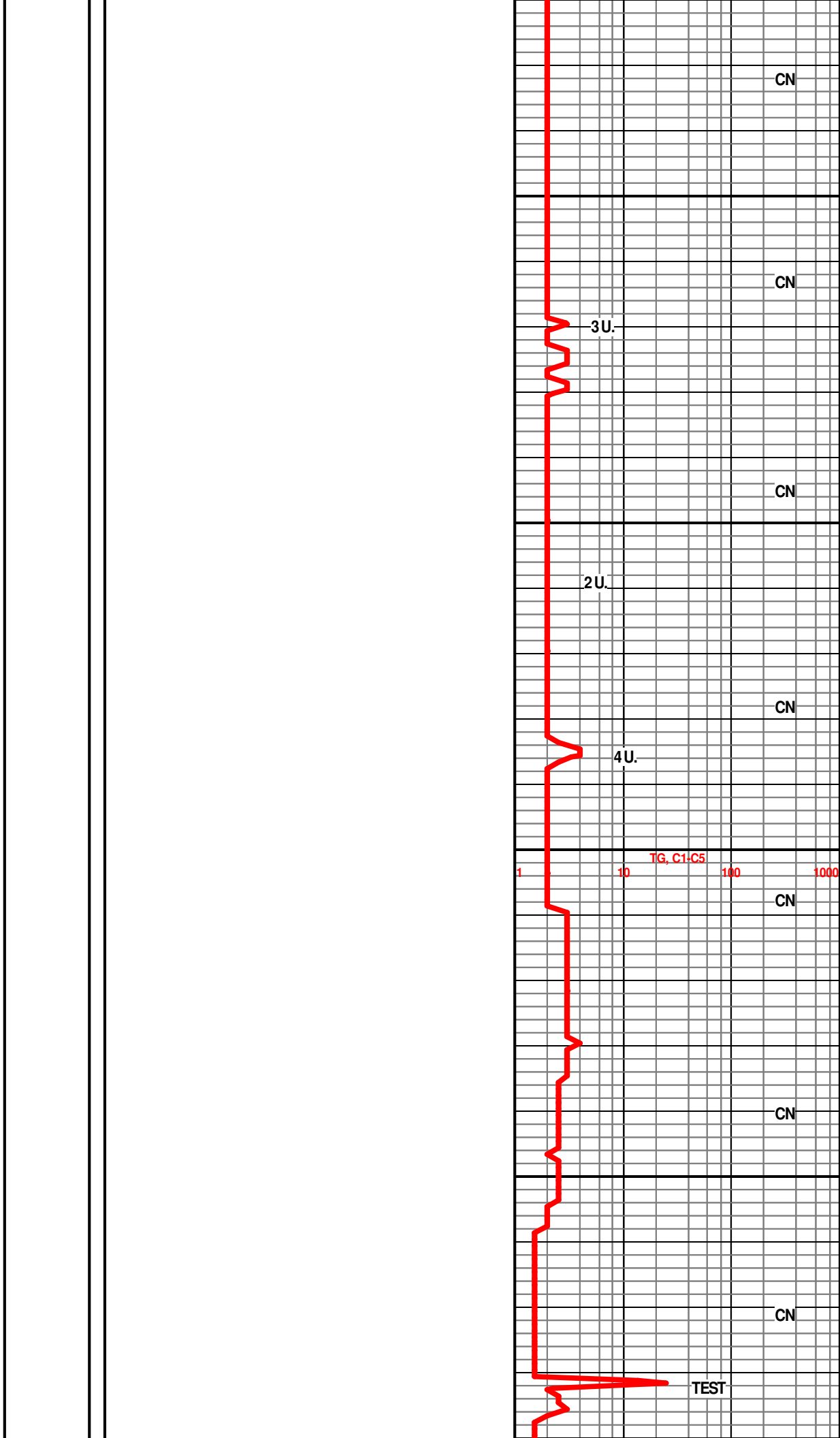
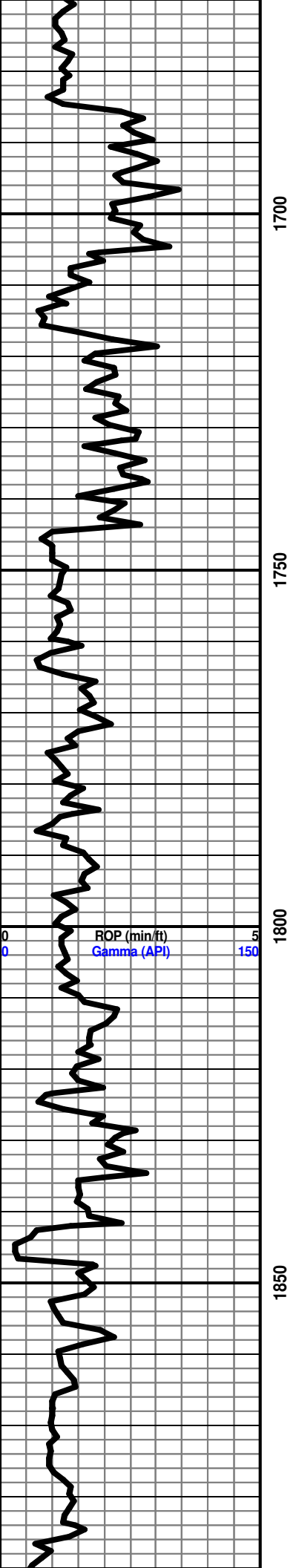
1000

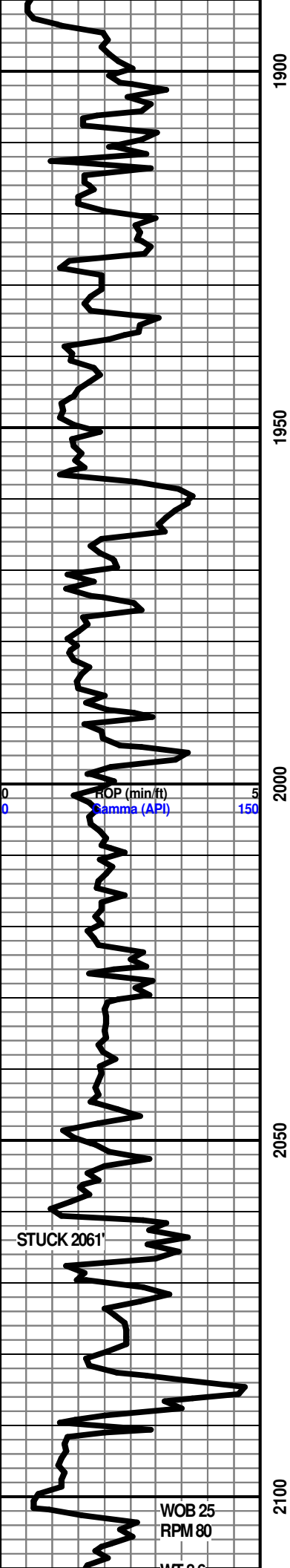




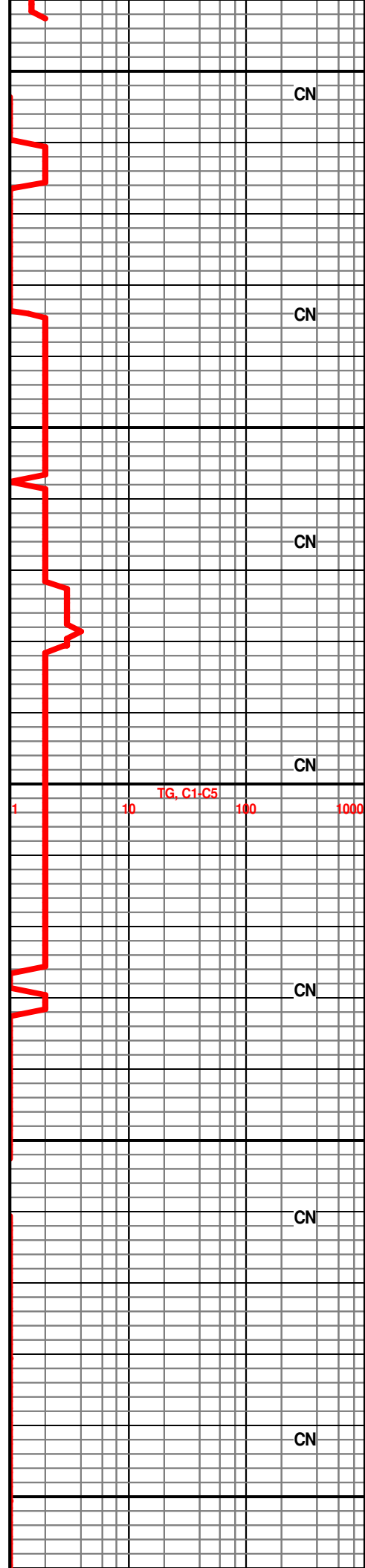
TRIP IN AND OUT WITH MAGNET WAITING ON LOGGING TRUCK 5/10 AND 5/11/21, PICKING UP METAL DEBRIS

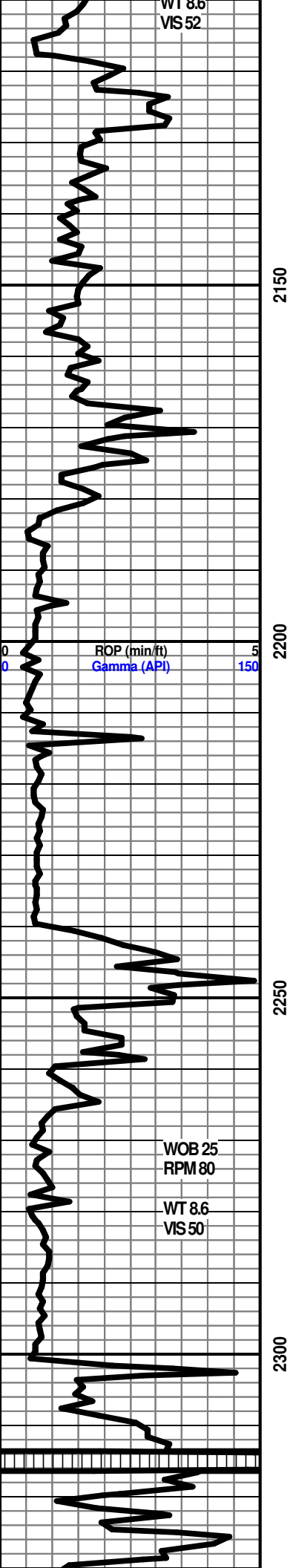






SURFACE JARS USED ,PULLED LOOSE ON SECOND JAR,
 BACK TO DRILLING





WT 8.6
VIS 52

2150

2200

2250

2300

ROP (min/ft)
Gamma (API)

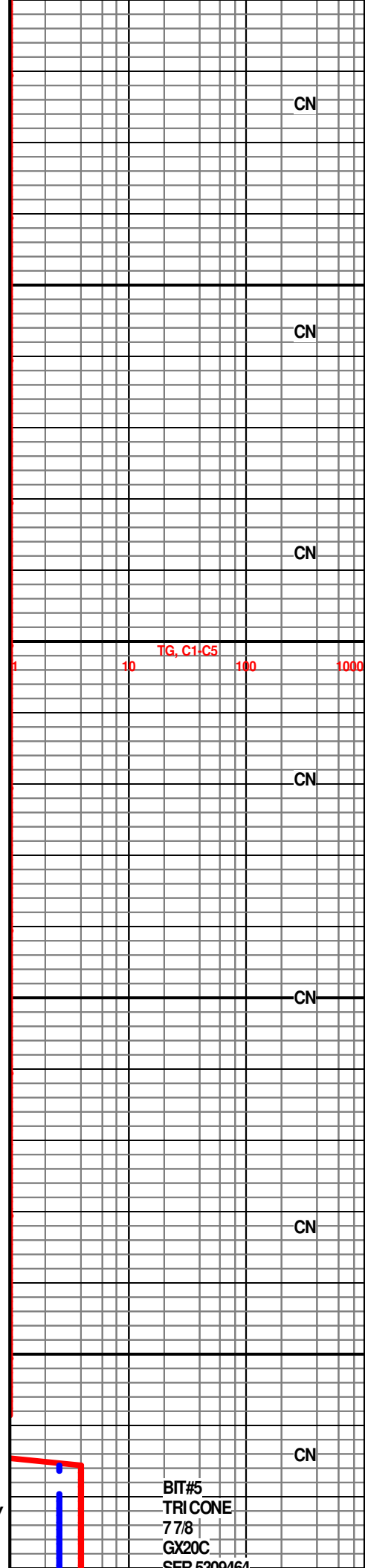
WOB 25
RPM 80

WT 8.6
VIS 50

2140

2314' TRIP TO CHECK JUNK BASKET & STRAP

TRIPPED BACKIN WITH BIT AND PUSHED STEEL ALL THE WAY TO 2314'



CN

CN

CN

CN

CN

CN

CN

BIT#5
TRI CONE
7 7/8
GX20C
SEP 5200464

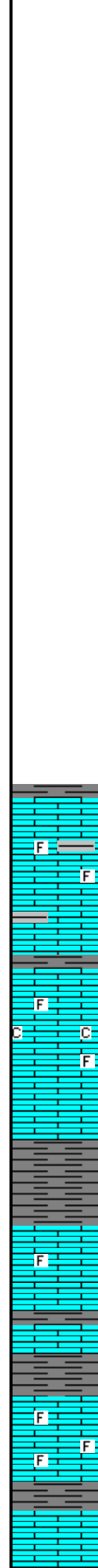
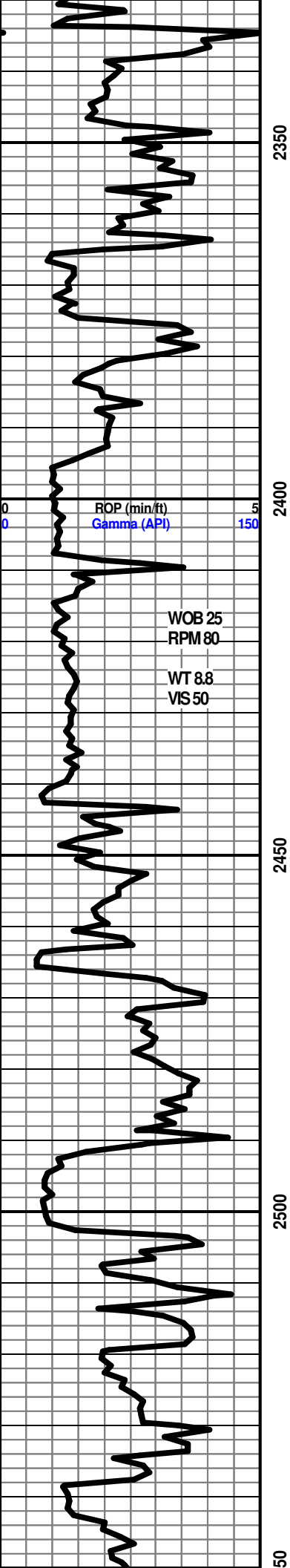
TG, C1-C5

1

10

100

1000



TRIPPED OUT W/BIT AND BACK IN WITH MILL, MILLED TO 2416', TWO MAGNET TRIPS AFTER MILLING. SECOND TRIPHAD SIGNIFICANT LESS STEEL ON MAGNET AND IN BASKET.

TRIPPED IN WITH DIFFERENT BIT AND STARTED DRILLING AT 2314 ON 5/14/2021

WOB 25
RPM 80
WT 8.8
VIS 50

START SAMPLES @ 2460'

HOWARD 2442' (-825')

LS- CRM LT TN HD DNS TO TR BRITT, MD-XLN TO SUCRO IP, RE-XLN W/ IMBD FOSS FRGS SCAT IP, SLI TR LT GRN SH IMBD IP, TR SMLL CALC XLS IP, DLL YEL MIN FLO THRU, NO VIS POR, NO VIS CUT

SH- LT TO MED GRY- FRM BLKY SMTH TXT

LS-LT TN TN - HD DNS TO BRITT IP, MD-F-XLN RE-XLN MTRX, IMBD FOSS FRGS IMBD IP, SFT WHT CHLK IP, TR V/DLL YEL MIN FLO IP, NO VIS POR, NO VIS SHOW

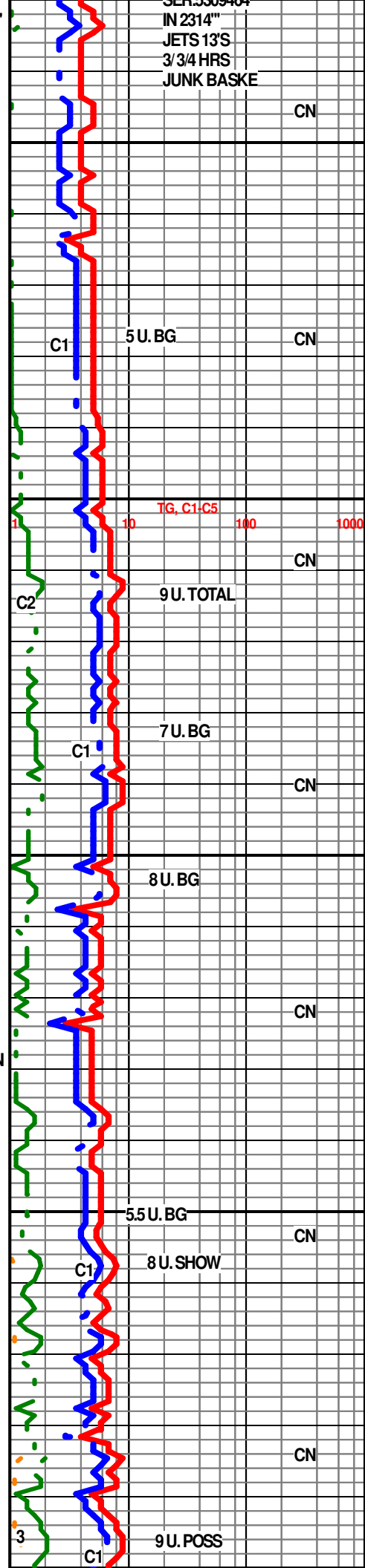
TOPEKA 2502' (-885')

2505-2508' LS- CRM TN BRN (DUE TO LV OIL STN) HD DNS IP TO BRITT, V/ SUCRO MTRX, IMBD FOSS FRGS IP BRIT YEL GLD FLO THRU, PR FR VIS MICRO PP POR SCAT THRU, DK BRN OIL STN, STRNG OIL ODOR, EXCEL SLO STRM TO FLUSH CUT THRU

LS- CRM LT TN TN - HD DNS TO SLI TR BRITT IP, F-XLN RE-XLN MTRX IMBD FOSS FRGS SCAT THRU, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW OR CUT

SH- LT GRY TO LT GREEN- FRM BLKY SMTH TXT

2543-2545' LS- OFF WHT CRM, HD BRITT, V/ SUCRO MTRX TO F-XLN IP, SCAT IMBD SMLL TO MED CALC XLS THRU, LT YEL



SEN 3309404
IN 2314"
JETS 13'S
3/3/4 HRS
JUNK BASKE

CN

C1 5 U. BG CN

TG, C1-C5

C2 9 U. TOTAL CN

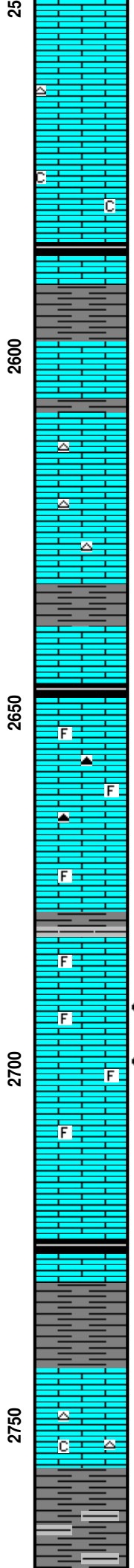
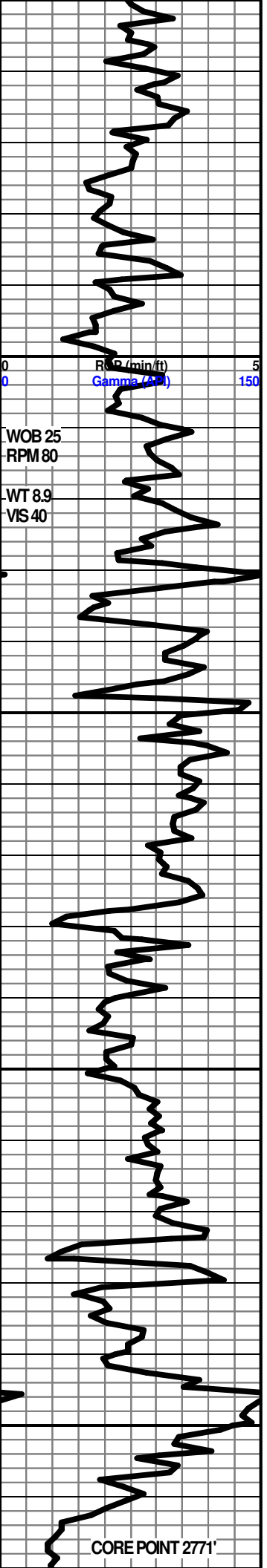
C1 7 U. BG CN

8 U. BG CN

5.5 U. BG CN

C1 8 U. SHOW CN

C1 9 U. POSS CN



MIN FLO, FLEETING OIL ODOR, LT BRIT YEL FLO THRU, POSS MICRO PP POR IP, NO VIS CUT OR SHOW

LS- LT TN TN- HD DNS F -MD -XLN TR FOSS FRGS IP, TR TAN CHERT, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

LS- CRM OFF WHT- HD BRITT, SUCRO TO MD-XLN IP, TR IMBD SFT CHLK IP, V/DLL YEL MIN FLO THRU, NO VIS POR, NO VIS SHOW OR CUT

SH- BLK SFT CARB

KING HILL 2586' (-969')

LeCOMPTON 2598' (-981')

LS- OFF WHT CRM- MD HD TO SFT IP, VSUCROMTRX, SLI S-CHLKY IP, V/DLL YEL MIN FLO, NO VIS POR NO VIS SHOW

LS- WHT OFF WHT HD DNS F-XLN TO V/F-XLN TR WHT CHERT, MED -XLN IP, LT BRIT YEL MIN FLO THRU, NO VISPOR, NO VIS SHOW

LS- WHT OFF WHT HD DNS F-V/F-XLN, IMBD WHT LT GY CHERT, REWORKED CHERT, LT BRIT YEL MIN FLO, NO VIS POR, NO VIS SHOW OR CUT

QUEEN HILL 2648' (-1031')

SH- BLK SFT CARB

LS- CRM, LT TN LT GY IP, HD DNS TR BRITT, MD-F-XLN, RE-XLN IP, FOSS FRGS IMBD SCAT THRU, TR FREE CRIN STEMS, TR LT GY TAN REWORKED CHERT IP, V/DLL YEL MIN FLO, NO VIS POR, NO VIS SHOW

SH- LT GREEN- FRM BLKY SMOOTH TXT

LS- CRM LT TN TN DUE TO EVEN & SPTTD OIL STN IP, HD DNS, SLI TR BRITT, ME-XLN RE-XLN MTRTX, TT CRS SUCRO IP SCAT IMBD FOSS FRGS IP, FR TOGDSCAT VUG POR IP TO FR VIS MICRO PP POR W/ LV OIL IN VUGS, SPTTD BRIT YEL GLD FLO IP TO DLL FLO IN 30%, DLL YEL GLD FLO IN 70% STRNG OIL ODOR, EXCEL INT FLSH CUT TO STRNG SLO STRM CUT

HEEBNER 2723' (- 1106')

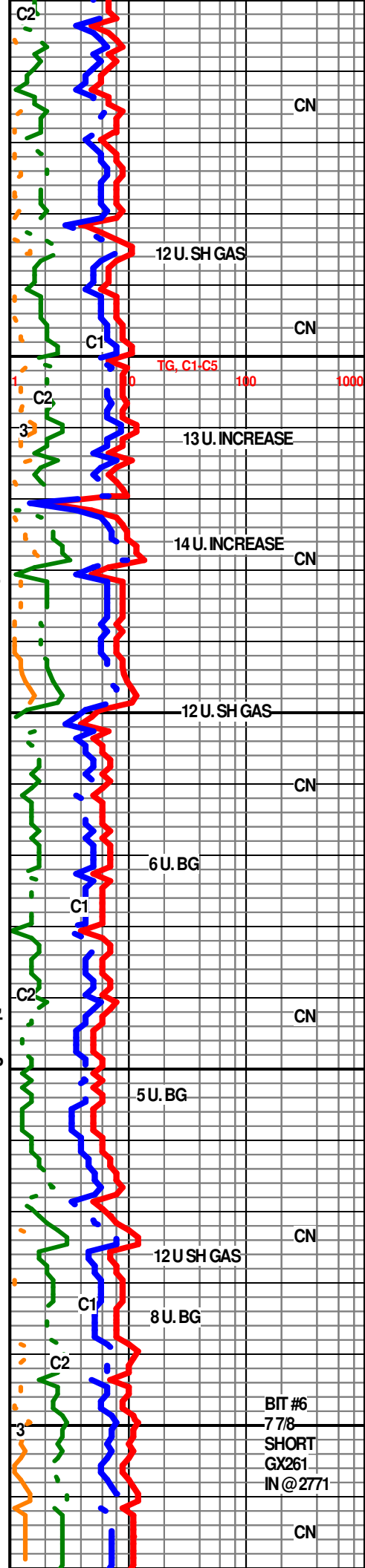
SH- BLK SFT CARB

SH- LT GRN TO MED GRY- FRM BLKY SMTH TXT TO SLI SPLNTY IP

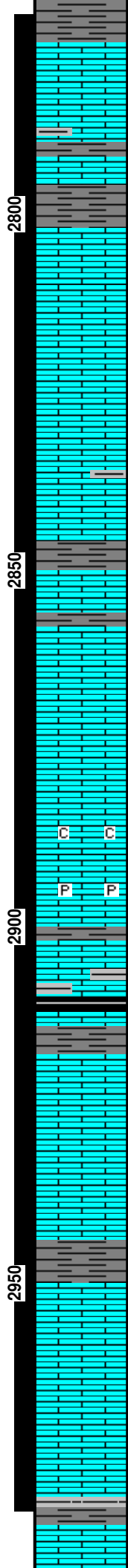
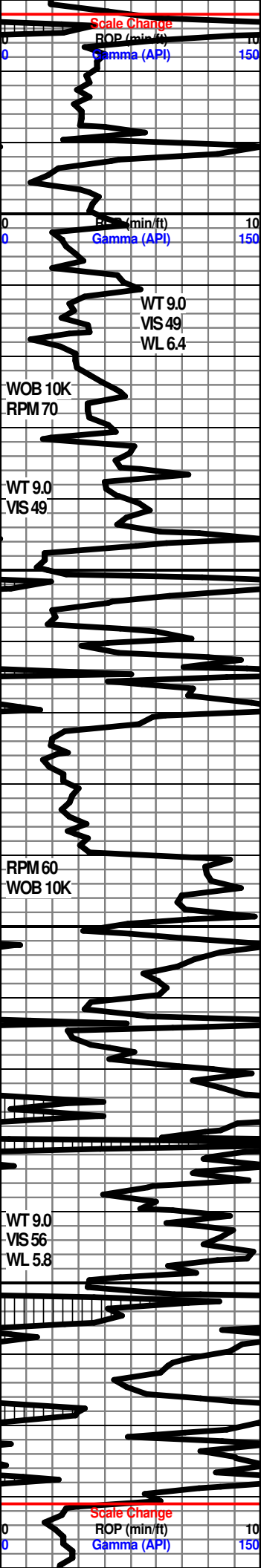
LS- WHT OFF WHT HD DNS F-V/F-XLN, WHT WEATHERED CHERT IP, TR SFT WHT CHLK, LT BRIT YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW

SH- LT GREEN TO LT GRY TO REDDISH IP, MOTT, SLI SILTY TXT TOTR GMMY IP

REACH CORE POINT AT 2:05 PM 5/15/2021-2771'



CORE POINT 2771'



2772SH-MED TO DK GRM FRM BLKY SPLNTY IP

2777-2783' HD DNS V/F-CRYPTO-XLN, TR FOSS FRGS IP, FRLY NON DESCRIPT, BRIT YEL GLD FLO THRU, NO VIS POR

2786' LS- TN GY- HD DNS CRYPTO-XLN NO FLO, NO VIS POR

2792- LS- HD DNS -V/F-CRYPTO-XLN, TRIMBD FOSS FRGS IP, DLL YEL MIN GLO, NO VIS POR

2896- SH - FRM BLKY SMTH TXT GREEN

2803' LS- TN CRM DK TN (DUE TO LIVE OIL STN THRU) HD BRIT, SUCRO TO MED -XLN IP, RE-XLN MTRX, TR DISS PYR,IMBD SMLL CALC XLS IP, BRIT YEL GLD FLO THRU, PR FR TO GD VID INTER-XLN POR THRU

2818' LS- CRM OFF WHT TN BRN DUE TO LIVE OIL STN SCAT THRU, MED-XLN V/RE-XLN MTRX, V/ OOLMLD TO OOLITIC THRU, BRIT YEL GLD FLO THRU, V/ GD OOLMLD POR TO INTER-XLN & MICRO VUG POR IP , EXCEL OIL ODOR

2824- LS CRM TN CRYPTO-XLN NO FLO, NO VIS POR

2831' LS- CRM LT TN BRN IP, (LIVE OIL STN IN 59%) HD DNS TR BRIT, MED-F-XLN RE-XLN FOSS FRGS IP, TR SMLL CALC XLS, BRIT YEL GLD FLO IN 70%, PR SCAT INTER-FOSS POR, GD OIL ODOR

CORE #1 FIN 8:32 AM @ 2831' MAY 16TH

2774' - LS- OFF WHT TN BRN (BRN OIL STN THRU) F-XLN TO V/ CRS SUCRO IP, S-CHLKY IP, V/ OOLMLD TO OOLITIC, SMLL CALC XLS IP, BRIT YEL GLD FLO THRU , FR TO GD SCAT INTER-XLN POR TO SCAT PR MICRO VUG POR

2887- LS- OFF WHT CRM TN BRN (SCAT DK BRN OIL STN & DOS OIL STN IP) F-XLN TO V/ CRS SUCRO IP, S-CHLKY IP, SMLL CALC XLS IP, NO FLO TO TR BRIT YEL GLD FLO IP , PR TO FR SCAT INTER-XLN POR TO SCAT PR MICRO VUG POR

END CORE #2 @ 9 PMAT 2890' MAY 16TH 3:30 AM

2899- LS - TN CRM- HD DNS- CRYPTO-XLN TO S-LITHO BRITYEL MIN FLO THRU, NO VIS POR.

BEGIN CORE #2 2890' AT 7:10 AM 5/17/21

2902-LS -BRN CRYPTO-XLNW/ LAMINATED DK GY TO BLK SH , BRITYEL MIN FLO, NO VIS POR, NO VIS CUT

2914- GREEN SH

MIX MUD AFTER RAIN

2940-LS-CRM LT TN TN (DUE TO OIL STN THRU) HD BRIT, MED-XLN RE-XLN MTRX V/MICRO OOL TO OOL THRU, SMLL CALC XLS INTER-XLN, BRIT YEL GLD FLO THRU, FR GD TO V/ GD VIS INTER-OOLAND INTER-XLN POR SCAT THRU

END OF CORE #3 @ 2950 AT 3:11 PM 5/7/21

START CORE 4 @ 9:30 PM 5/17/21 AT 1950'

1956' LS-CRM TN BRN HD DNS CRYPTO-XLN TO S-LITHO,FRLY NON DESCRIPT, BRIT YEL GLD FLO ON SURFC, NO VIS POR

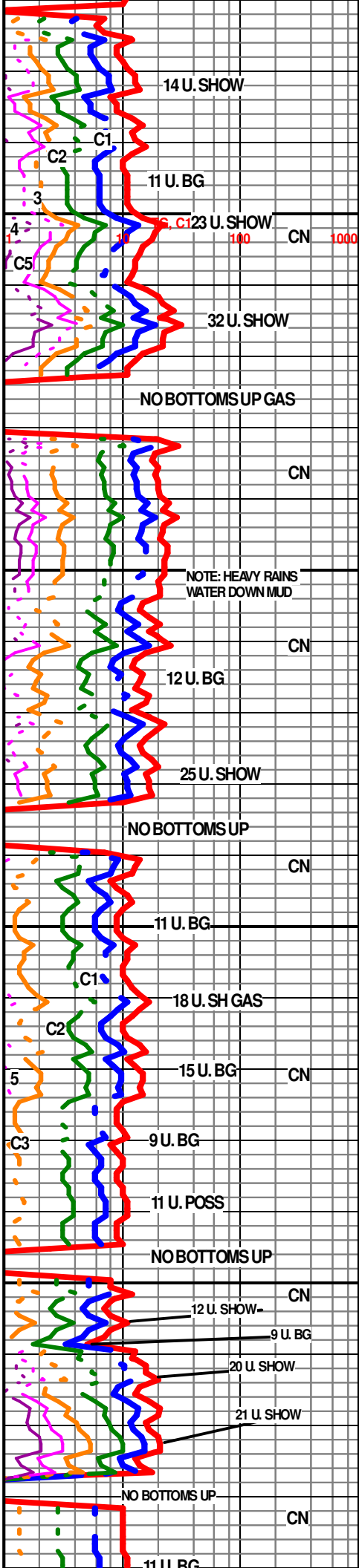
2962'-2968 LS- TN BRN - LIVE OIL STN, HD DNS TO BRIT, V/ SUCRO MTRX, BRIT YEL GLD FLO THRU, PR TO FR MICRO PP POR , EXCEL VUG POR SCAT , PR INTER-XLN POR IP

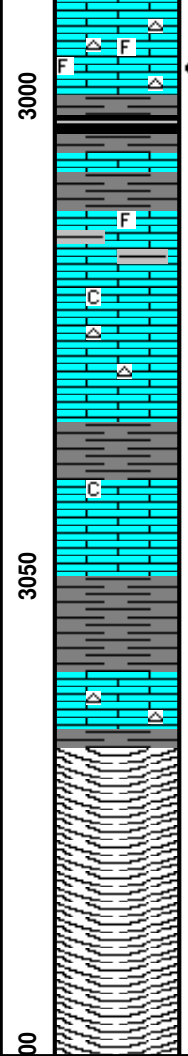
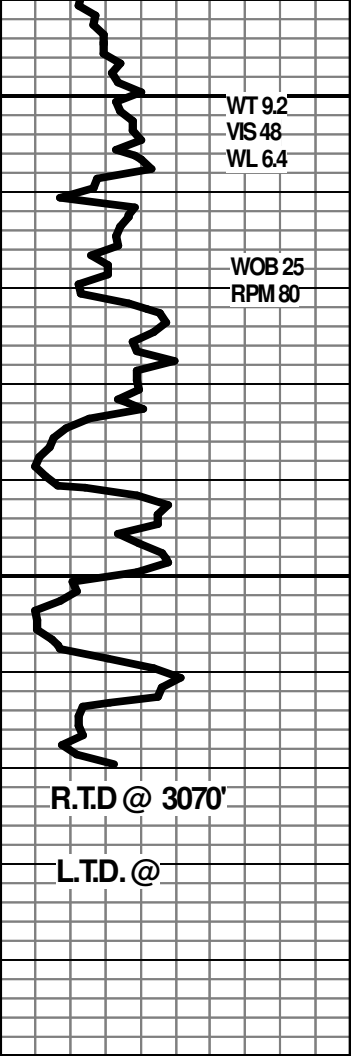
2971-LS- CRYPTO-XLN, HDDNS , LIVE OIL IN 40%, IMBD FOSS, BRIT YEL GLD FLO IN 80%, NO VIS POR

2977- TN BRN- HD DNS V/F-CRYPTO-XLNFOSS FRGS , IMBD DISS PYR, V/ DLL YEL FLO , NO VIS POR

2981-SH - BLK HD SPLNTY SLJ CALC

FINISH CORE 4 @ 2:15 AM 5/18/21





2996' LS-CRM LT TN TN (EVEN TN OIL STN IN 80%) HD DNS TO BRITT MD-XLN RE-XLN MTRX, SUCRO IP,ABDT IMBD FOSS FRGS THRU, ABDT TAN WHT REWORKED CHERT BRIT YEL GLD FLO PR TO FR VIS INTER-XLN TO TR SCAT MICROVUG POR, STRNG OIL ODOR, V/GD FL SH TO EXCEL SLOSTRM CUT THRU, TN STN ON DISH

SH- BLK SFT CARB

LS- CRM TN GY - HD DNS SLJ MOTT V/F-CRYPTO-XLN IMBD FOSS FRGS TR ARGIL IP, TR SUCRO S-CHLKY W/ TR FREE CRIN STEMS, LT BRIT YEL MIN FLO, NO VIS POR, NO VIS SHOW OR CUT

LS- CRM LT TN - HD DNS V/F-CRYPTO-XLN, HVY TR TAN WHT CHERT IP, V/ DLL YEL MIN FLO, NO VIS POR, NO VIS SHOW

BKC 3034' (-1417')

LS- CRM OFF WHT - HD DNS F-CRYPTO-XLN , FRLY NON DESCRIPT, TR SFT CHLK, NO FLO, NO VIS POR, NO VIS SHOW

SH- RED GREEN GY - MOTT FRM BLKY TO SLI SILTY TXT IP

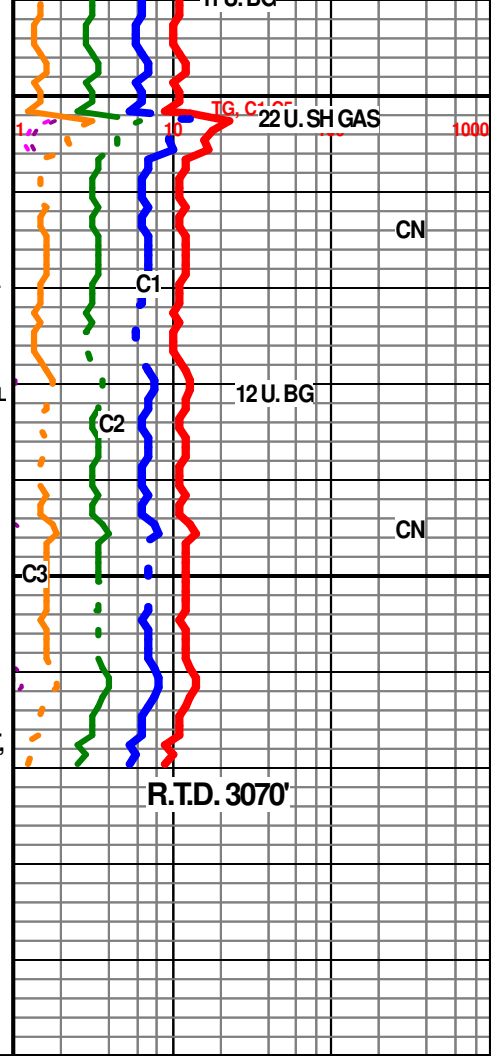
LS- CRM BFF- HD DNS CRYPTO-V/F-XLN FRLY NON DESCRIPT, ABDT TAN BRN REWORKED CHERT, NO FLO, NO VIS POR, NO VIS SHOW

RTD @ 3:30 PM 5/18/21

CFS 30 MIN/ SHORT TRIP 5 STANDS

CTCH 1.5 HRS/ DROP SURVEY

TOFL



Taylor trust 1-17 Core descriptions
Black Oak Exploration - 1474 st. Paul Avenue, denver co. 80210

Taylor trust 1-17, Sec 17 12s 14w, 660' fsl & 1320' Fel, Russell county, Kansas

Please find the Geologic descriptions for the Core Intervals in the above captioned well.
Enclosed are all descriptions that were accomplished on location during the taking of small chip
examination
at random intervals.

CORE POINT 2771'

2772'SHALE to MED TO DK GRY FRM BLKY SPLNTY IP

2777' to 2783' HD DNS V/F to CRYPTO to XLN, TR FOSS FRGS IP, FRLY NON DESCRIPT, BRIT
YEL GLD FLO THRU, NO VIS POR

2786' LIMESTONE to TN GY to HD DNS CRYPTO to XLN NO FLO, NO VIS POR

2792 to LIMESTONE to HD DNS to V/F to CRYPTO to XLN, TR IMBD FOSS FRGS IP, DLL YEL
MIN GLO, NO VIS POR

2898 to SHALE to FRM BLKY SMTH TXT GREEN

2803' LIMESTONE to TN CRM DK TN (DUE TO LIVE OIL STN THRU) HD BRITT, SUCRO TO
MED to XLN IP, RE to XLN MTRX, TR DISS PYR,IMBD SMLL CALC XLS IP, BRIT YEL GLD
FLO THRU, PR FR TO GD VID INTER to XLN POR THRU

Taylor trust 1-17 Core descriptions

2818' LIMESTONE to CRM OFF WHT TN BRN DUE TO LIVE OIL STN SCAT THRU, MED to XLN V/RE to XLN MTRX, V/ OOLMLD TO OOLITIC THRU, BRIT YEL GLD FLO THRU, V/ GD OOLMLD POR TO INTER to XLN and MICRO VUG POR IP , EXCEL OIL ODOR

2824 to LIMESTONE CRM TN CRYPTO to XLN NO FLO, NO VIS POR

2831' LIMESTONE to CRM LT TN BRN IP,(LIVE OIL STN IN 59%) HD DNS TR BRITT, MED to F to XLN RE to XLN FOSS FRGS IP, TR SMLL CALC XLS, BRIT YEL GLD FLO IN 70%, PR SCAT INTER to FOSS POR, GD OIL ODOR

CORE #1 FIN at 2831'

2874' to LIMESTONE to OFF WHT TN BRN(BRN OIL STN THRU) F to XLN TO V/ CRS SUCRO IP, S to CHLKY IP, V/ OOLMLD TO OOLITIC, SMLL CALC XLS IP, BRIT YEL GLD FLO THRU , FR TO GD SCAT INTER to XLN POR TO SCAT PR MICRO VUG POR

2887 to LIMESTONE to OFF WHT CRM TN BRN(SCAT DK BRN OIL STN and DOS OIL STN IP) F to XLN TO V/ CRS SUCRO IP, S to CHLKY IP, SMLL CALC XLS IP, NO FLO TO TR BRIT YEL GLD FLO IP , PR TO FR SCAT INTER to XLN POR TO SCAT PR MICRO VUG POR

END CORE #2 AT 2890'

2899' to LIMESTONE to TN CRM to HD DNS to CRYPTO to XLN TO S to LITHO BRITYEL MIN FLO THRU, NO VIS POR.

BEGIN CORE #2 2890'

Taylor trust 1-17 Core descriptions

2902' to LIMESTONE to BRN CRYPTO to XLN W/ LAMINATED DK GY TO BLK SHALE , BRIT YEL MIN FLO, NO VIS POR, NO VIS CUT

2914 to GREEN SHALE

2940 to LIMESTONE to CRM LT TN TN (DUE TO OIL STN THRU) HD BRITT, MED to XLN RE to XLN MTRX V/MICRO OOL TO OOL THRU,SMLL CALC XLS INTER to XLN, BRIT YEL GLD FLO THRU, FR GD TO V/ GD VIS INTER to OOL AND INTER to XLN POR SCAT THRU

END OF CORE #3 at 2950'

START CORE #4 AT 2950'

2956' LIMESTONE to CRM TN BRN HD DNS CRYPTO to XLN TO S to LITHO,FRLY NON DESCRIPT, BRIT YEL GLD FLO ON SURFC, NO VIS POR

2962' to 2968 LIMESTONE to TN BRN to LIVE OIL STN, HD DNS TO BRITT, V/ SUCRO MTRX, BRIT YEL GLD FLO THRU, PR TO FR MICRO PP POR , EXCEL VUG POR SCAT , PR INTER to XLN POR IP

2971 to LIMESTONE to CRYPTO to XLN, HD DNS , LIVE OIL IN 40%, IMBD FOSS, BRIT YEL GLD FLO IN 80%, NO VIS POR

2977 to TN BRN to HD DNS V/F to CRYPTO to XLN FOSS FRGS , IMBD DISS PYR, V/ DLL YEL FLO , NO VIS POR

2981 to SHALE to BLK HD SPLNTY SLI CALC

Taylor trust 1-17 Core descriptions

FINISH CORE 4 at 2981'

These are the full descriptions performed on location
Tim Hedrick -580-754-0062