

716

04-18-2016

COGCC Document Number 2056094

RULISON FIELD TYPE LOG 045-10518

HAL JIB
PRODUCTION

HIGH RES. INDUCTION
SPECTRAL DENSITY
DUAL SPACED NEUTRON
Depth Corrected

RECEIVED
JUN 29 2005
COGCC
STATE CO

Other Services
NONE

COMPANY WILLIAMS PRODUCTION RMI COMPA
WELL HM 32-33
FIELD
COUNTY GARFIELD STATE CO

COMPANY WILLIAMS PRODUCTION RMI COMPANY
WELL HM 32-33
FIELD HUNTER MESA
COUNTY GARFIELD STATE CO

API No 05045-05-300
Location SURFACE 08 FNL, 1372' FEL
BOTTOM 2024 FNL, 2046' FEL
Sect 33 Twp 05S Rge 93W

Permanent Datum GROUND LEVEL Elev 5807
Log measured from K B '19 above perm datum Elev K B 5826
Drilling measured from KELLY BUSHING D F 5825
G L 5807

Date	06/08/2005				
Run No	ONE				
Depth - Driller	9970				
Depth - Logger	994'				
Bottom - Logged Interval	993'				
Top - Logged Interval	SURFACE				
Casing - Driller	9 63' @ '124		@		@
Casing - Logger	'12'				
Bit Size	7 875"				
Type Fluid in Hole	LSND				
Dens Visc	8 28				
Ph Fluid Loss	9 0 5 6				
Source of Sample	MUD TANK				
Rm @ Meas Temp	2 77 @ 63 F		@		@
Rmf @ Meas Temp	2 36 @ 58 F		@		@
Rmc @ Meas Temp	3 13 @ 58 F		@		@
Source Rmf Rmc	MEAS MEAS				
Rm @ BHT	0 87 @ 216 F		@		@
Time Since Circ	14 25 HRS				
Time on Bottom	08 15 06/09				
Max Rec Temp	216 F @ T D		@		@
Equip Location	49593 G J				
Recorded By	M MAZUREK		G GOSCIAK		
Witnessed By	T RAAGSDALE				

Service Ticket No 3751053 API Serial No 050451051800 PGM Version XL v5.1

CHANGE IN MUD TYPE OR ADDITIONAL SAMPLES				RESISTIVITY SCALE CHANGES					
Date Sample No				Type Log	Depth	Scale Up Hole	Scale Down Hole		
Depth - Driller									
Type Fluid									
In Hole									
Dens Visc									
Ph Fluid Loss									
Source of Sample				RESISTIVITY EQUIPMENT DATA					
Rm @ Meas Temp	2 77 @ 63 F	@		Run No	Tool Type & No	Pad Type	Tool Pos	Other	
Rmf @ Meas Temp	2 36 @ 58 F	@		ONE	HRIDE AB180	N/A	1 5 SO	N/A	
Rmc @ Meas Temp	3 13 @ 58 F	@							
Source Rmf Rmc	CALC CALC								
Rm @ BHT	0 87 @ 216 F	@							
Rmf @ BHT	0 69 @ 216 F	@							
Rmc @ BHT	0 91 @ 216 F	@							
EQUIPMENT DATA									
GAMMA		ACOUSTIC		DENSITY		NEUTRON			
Run No	ONE	Run No		Run No	ONE	Run No	ONE		
Serial No	A143	Serial No		Serial No	I709P066	Serial No	108734		
Model No	NGRT-A	Model No		Model No	SDL_DC	Model No	DSN_II		
Diameter	3 625	No of Cent		Diameter	4 5	Diameter	3 625		
Detector Model No	102A	Spacing		Log Type	GAM-GAM	Log Type	THERMAL		
Type	SCINT			Source Type	CS137	Source Type	AM241BE		
Length	4	LSA [Y/N]	NO	Serial No	2189 GW	Serial No	DSN-80		
Distance to Source	10	FWDA [Y/N]	NO	Strength	1 5 CI	Strength	18 5 CI		
LOGGING DATA									
GENERAL		GAMMA		ACOUSTIC		DENSITY		NEUTRON	

Fold Here

Run	Depth	Speed	Scale	Scale	Scale	Scale	Scale	Scale	Scale	Scale	Scale	Scale	Scale	Scale	Scale		
No	From	To	Ft/Min	L	R	L	R	Matrix	L	R	Matrix	L	R	Matrix	L	R	Matrix
ONE	TD	SURF	REC	0	200				30%	-10%	2.68	30%	-10%	SAND			
											GM/CC			GM/CC			

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DIRECTIONAL INFORMATION

Maximum Deviation _____ deg @ _____ KOP _____

Remarks

GR-DSN-SDL-MSFL-HRIDE WERE RUN IN COMBINATION
 HOLE RUGOSITY AND TENSION PULLS MAY AFFECT LOG QUALITY
 CHLORIDES REPORTED AT 400 mg/l
 A H V CALCULATED FOR 4 5" CASING
 DEPTH CORRECTED TO SCHLUMBERGER FMI DATED 6-8-05

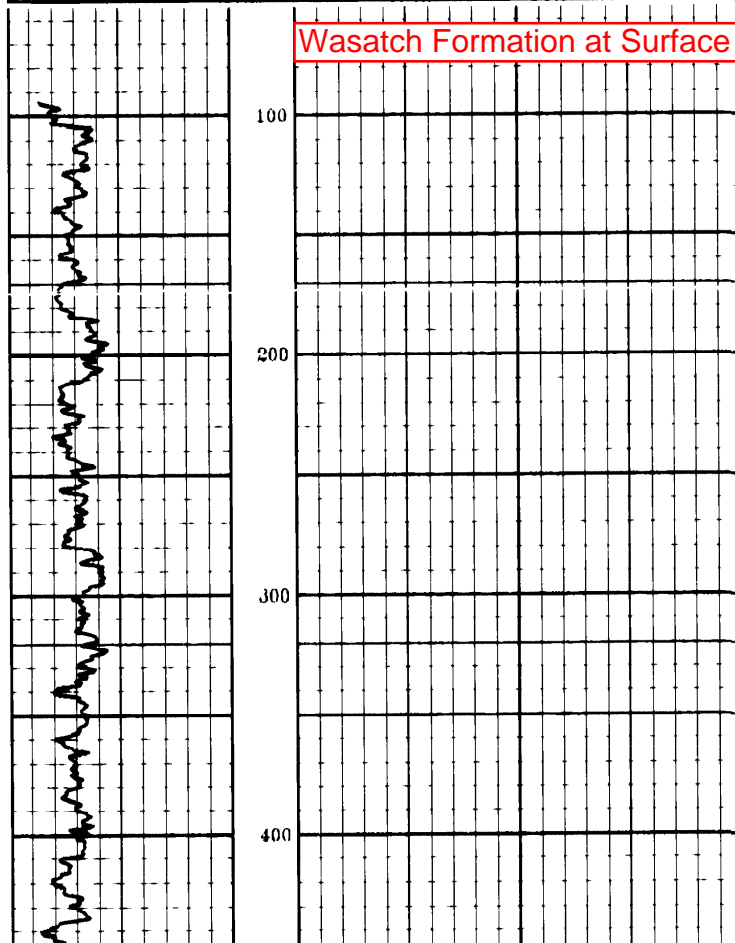
LATITUDE 39 34 N // LONGITUDE 107 49 W
 YOUR CREW TODAY IS J ZLOMKE, J BROWNLEE, D CORBY RIG NABORS 723
 THANK YOU FOR USING HALLIBURTON ENERGY SERVICES G J , CO 970 523-3600

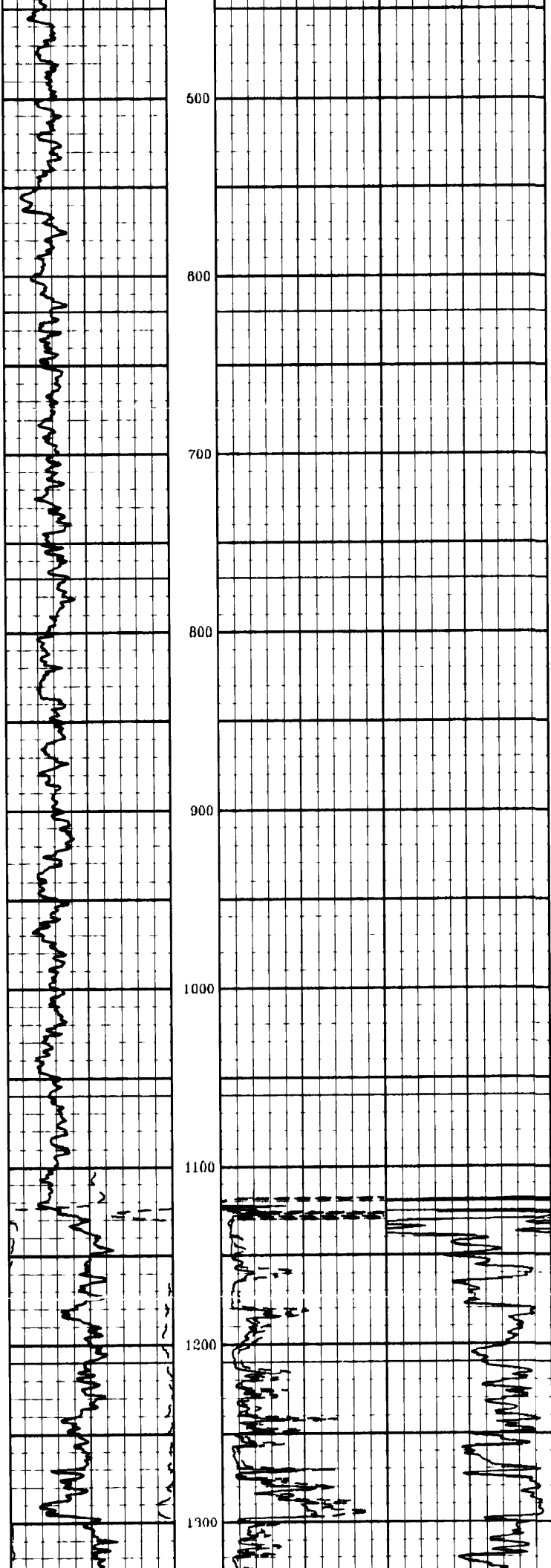
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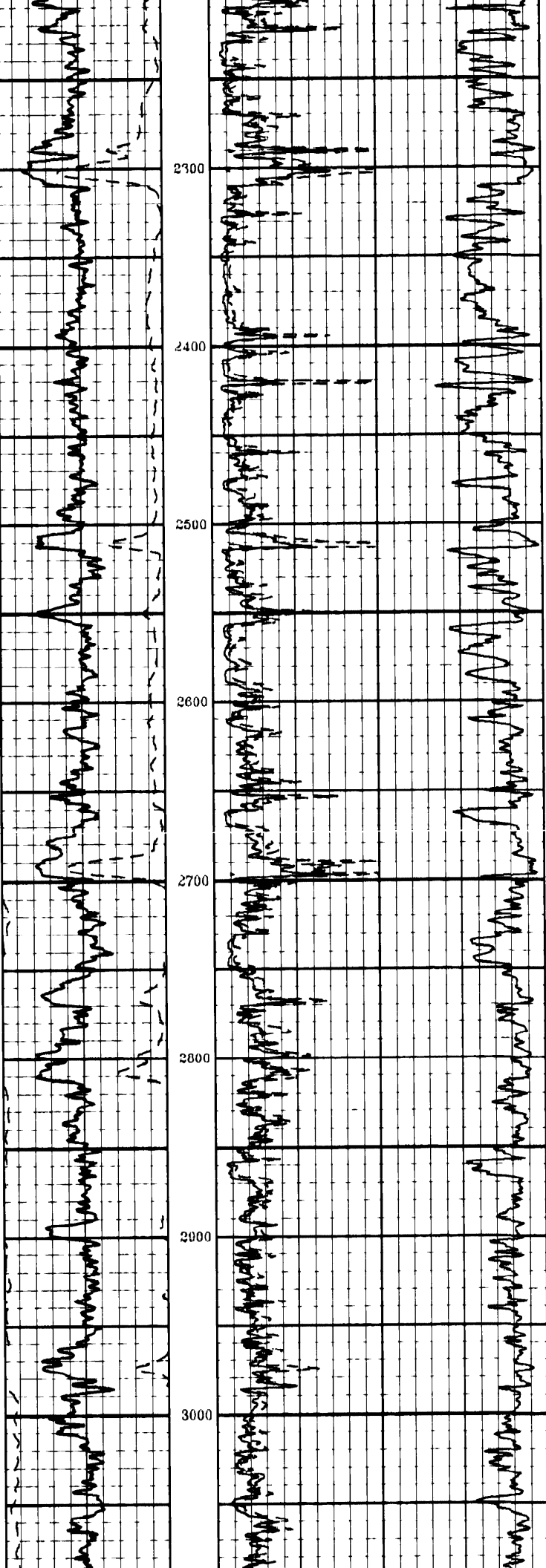
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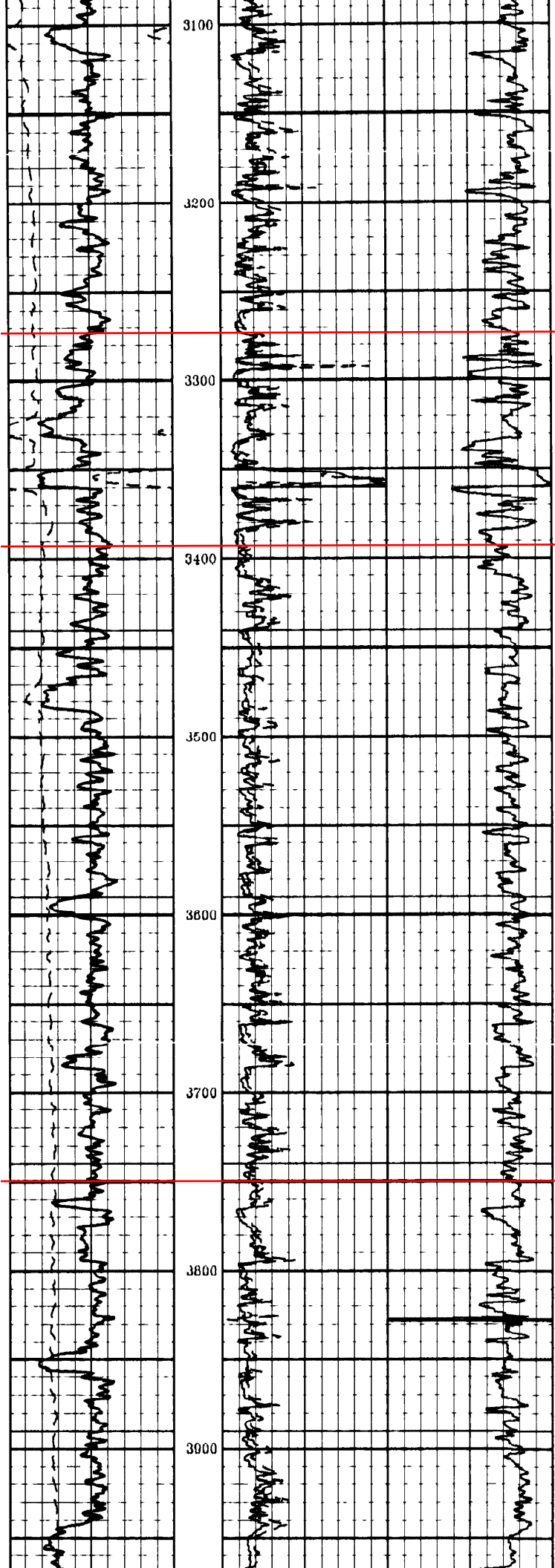
MAIN PASS 1"=100'

GAMMA RAY		1 000 FT	DEEP		DEEP COND	
API	200		0	100 200	MMHO	0
SPA			DFL	100		
-110+						





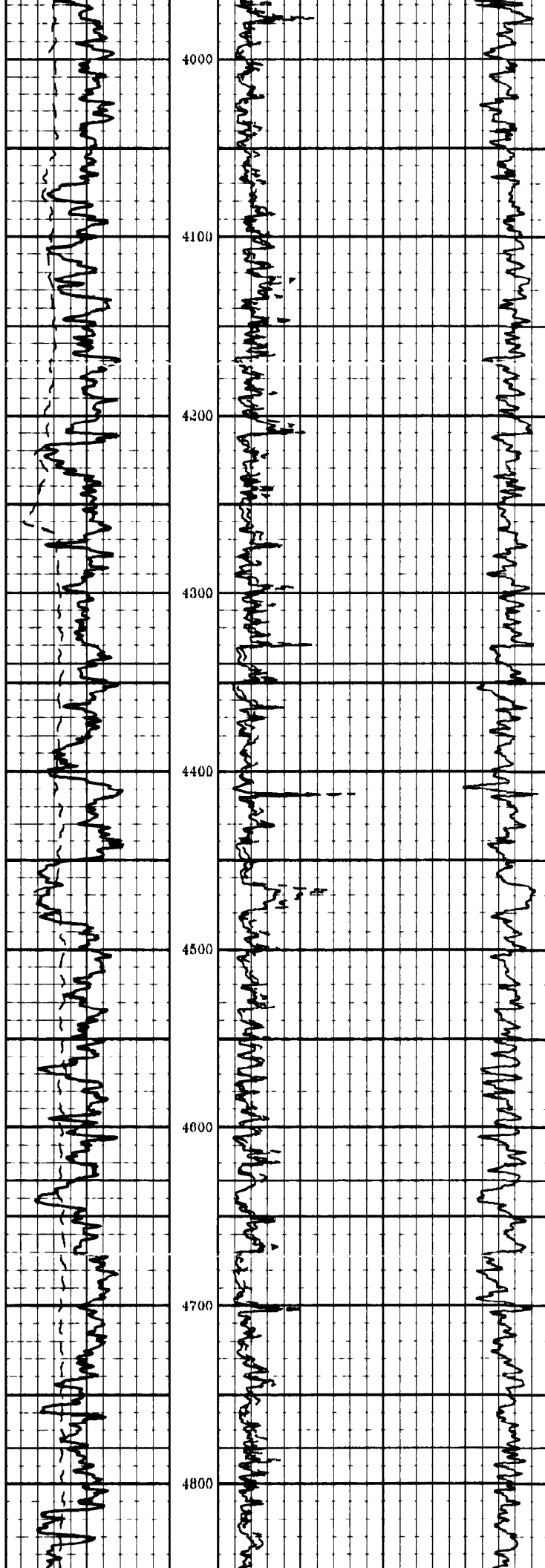


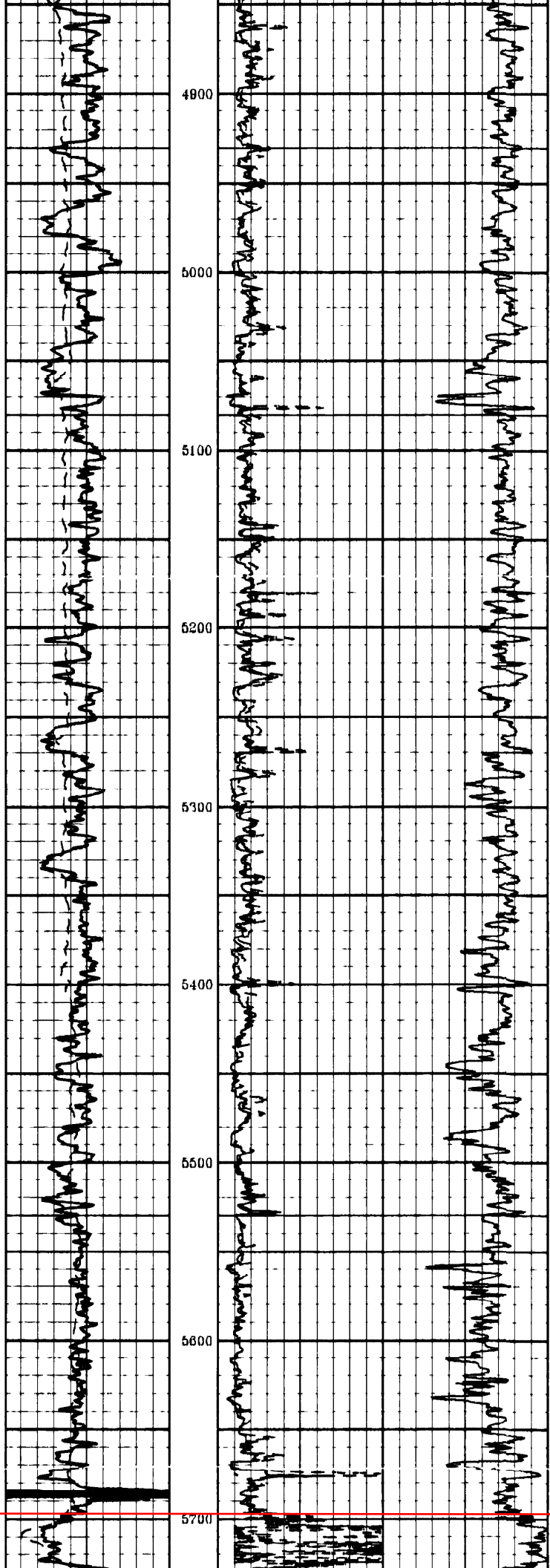


COGCC pick for
Wasatch G Sand top
(upper interval)

COGCC pick for
Wasatch G Sand top
(lower interval)

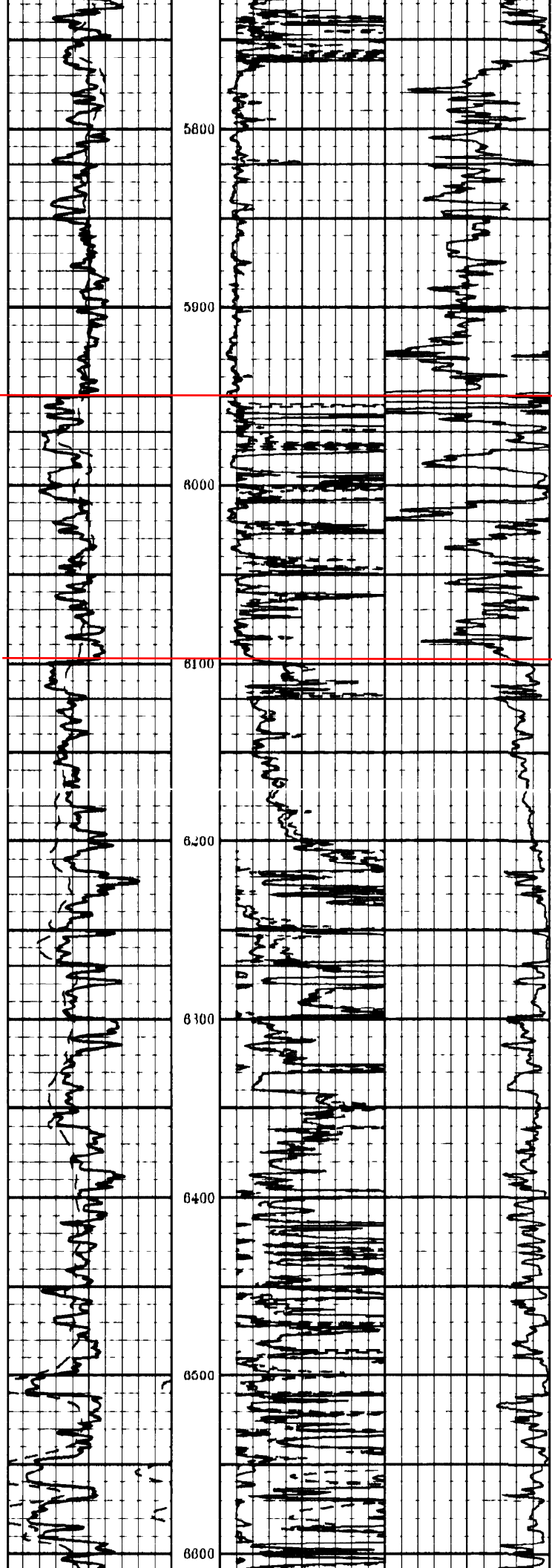
COGCC pick for
Fort Union top





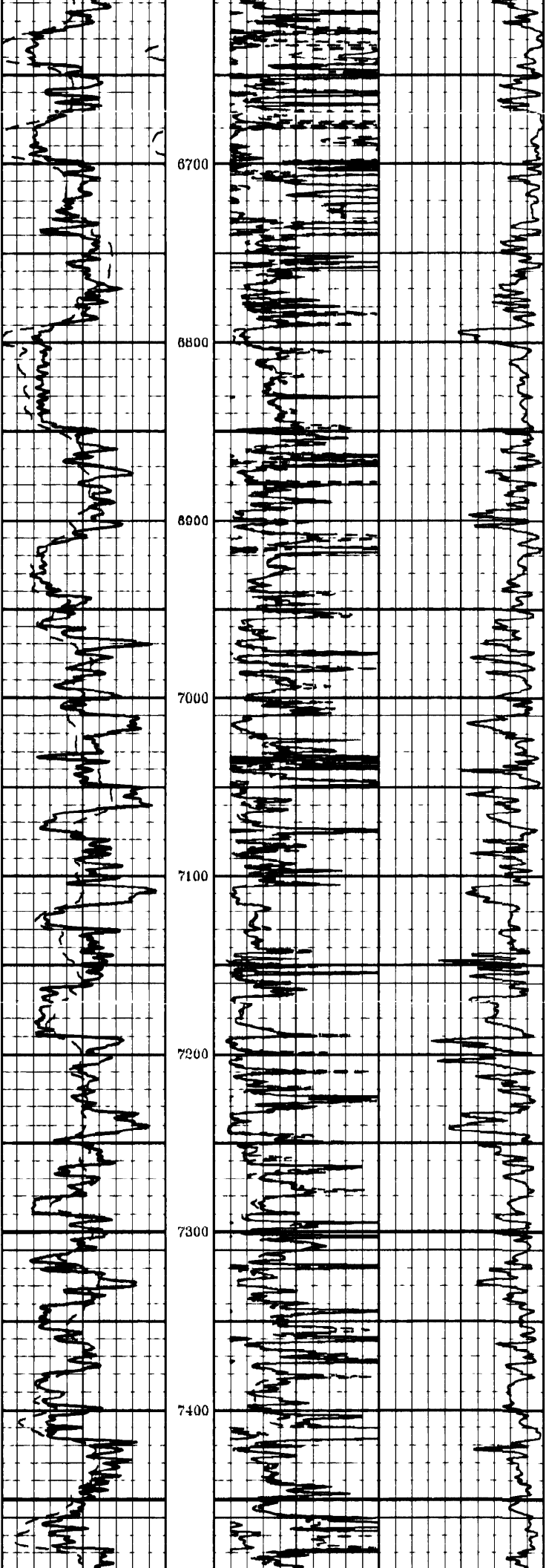
COGCC pick for Lower Wasatch top (cement required 200'/500' above this point, effective 04-18-2016)

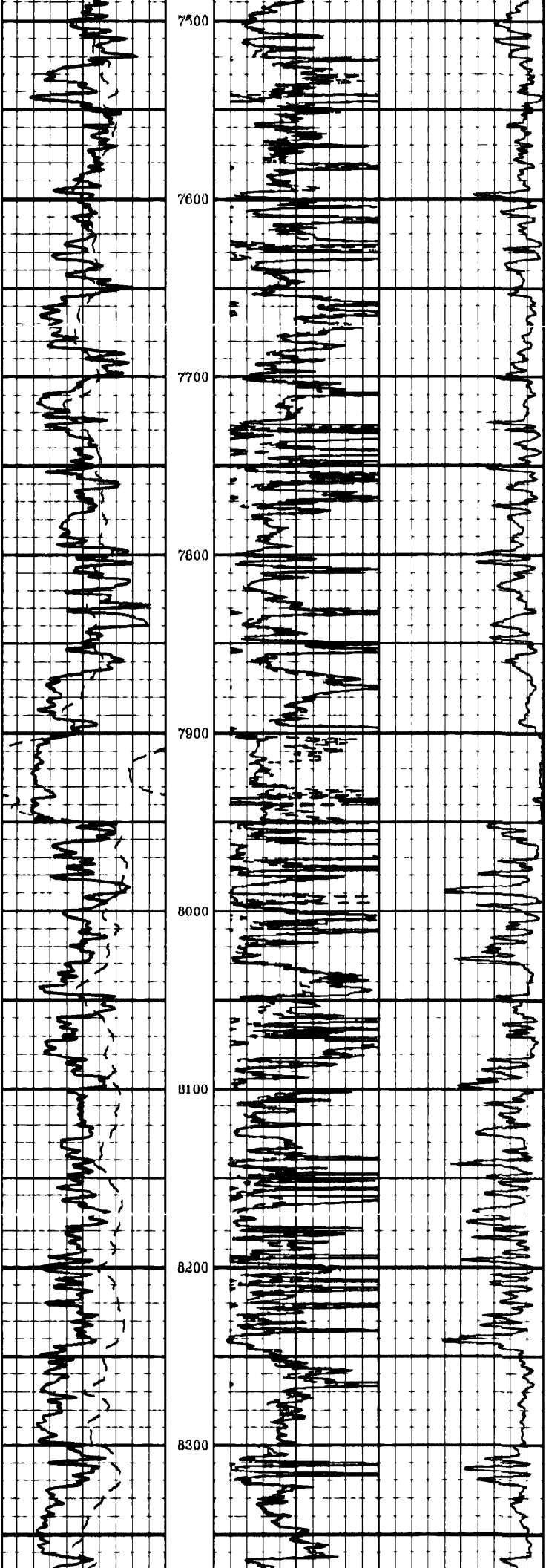


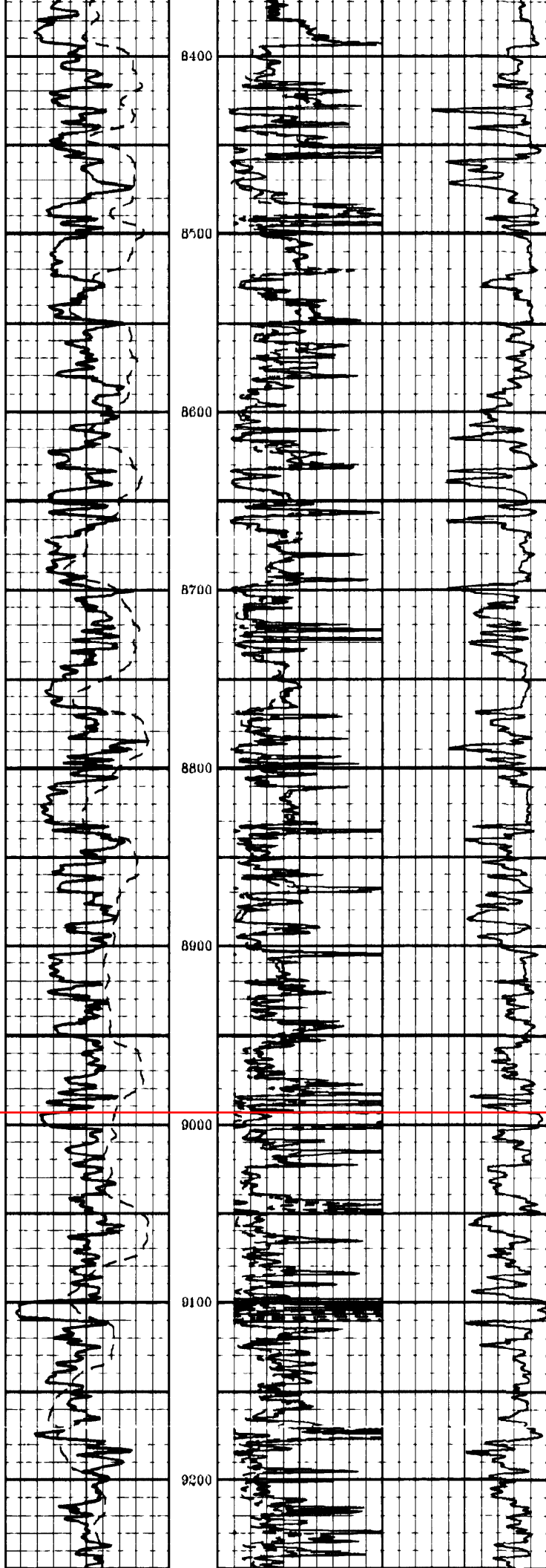


COGCC pick for Ohio Creek top

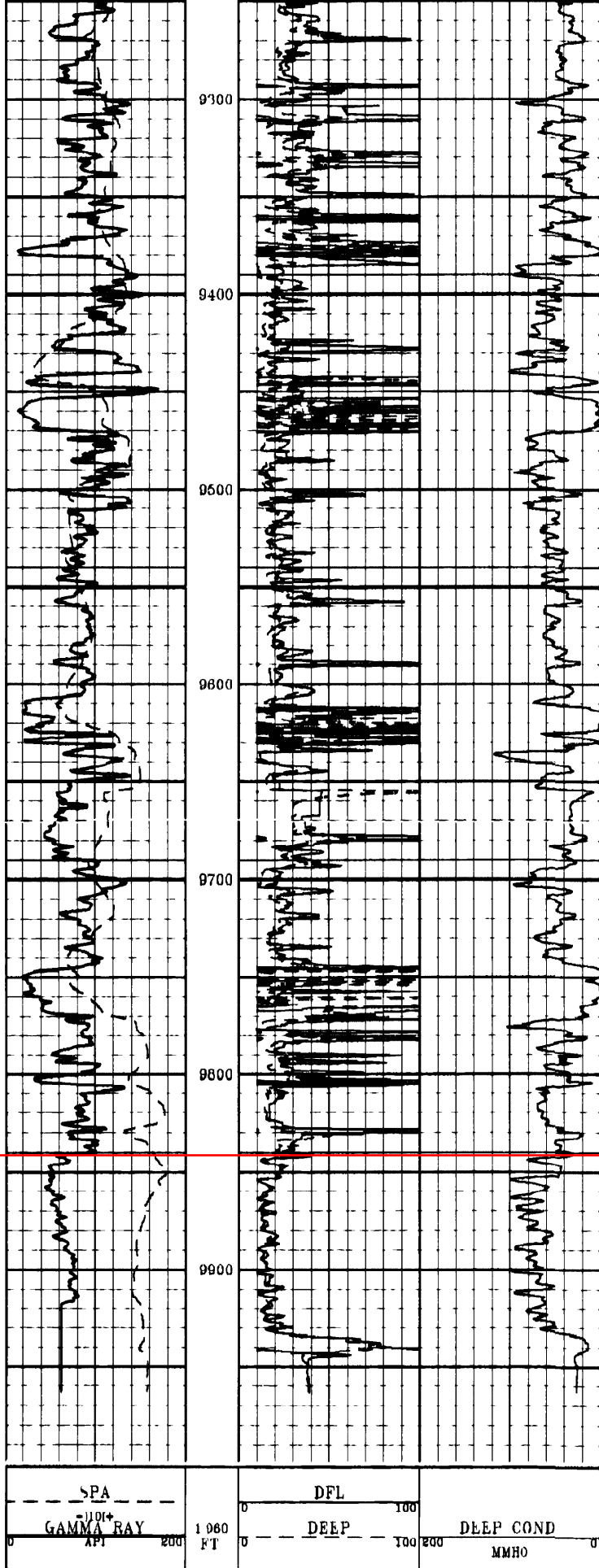
Operator pick for Mesaverde top







Operator pick
for Cameo top



Operator pick
for Rollins top