

HALLIBURTON

ARRAY COMPENSATED TRUE RESISTIVITY LOG 1 INCH

COMPANY		MERIT ENERGY COMPANY, LLC	
WELL		McWILLIAMS E-11	
FIELD/BLOCK		COWGILL	
COUNTY		FINNEY	
STATE		KANSAS	
Permanent Datum		GL	
Log measured from		KB	
Drilling measured from		KB	
Date		08-Mar-22	
Run No.		ONE	
Depth - Driller		5100.0 ft	
Depth - Logger		5103.0 ft	
Bottom - Logged Interval		5096.0 ft	
Top - Logged Interval		1830.0 ft	
Casing - Driller		8.625 in	
Casing - Logger		1830.0 ft	
Bit Size		7.875 in	
Type Fluid in Hole		Fresh Water	
Density		9.1 ppg	
PH		10.00 pH	
Source of Sample		MUD PIT	
Rm @ Meas. Temperature		1.29 ohmm	
Rmf @ Meas. Temperature		1.03 ohmm	
Rmc @ Meas. Temperature		1.54 ohmm	
Source Rmf		CALC	
Rm @ BHT		0.82 ohmm	
Time Since Circulation		06.37 hr	
Time on Bottom		08-Mar-22 18:35	
Max. Rec. Temperature		115.00 degF	
Equipment		12156883	
Recorded By		MOHAMED ABUELGASIM	
Witnessed By		MARTIN LANGE	

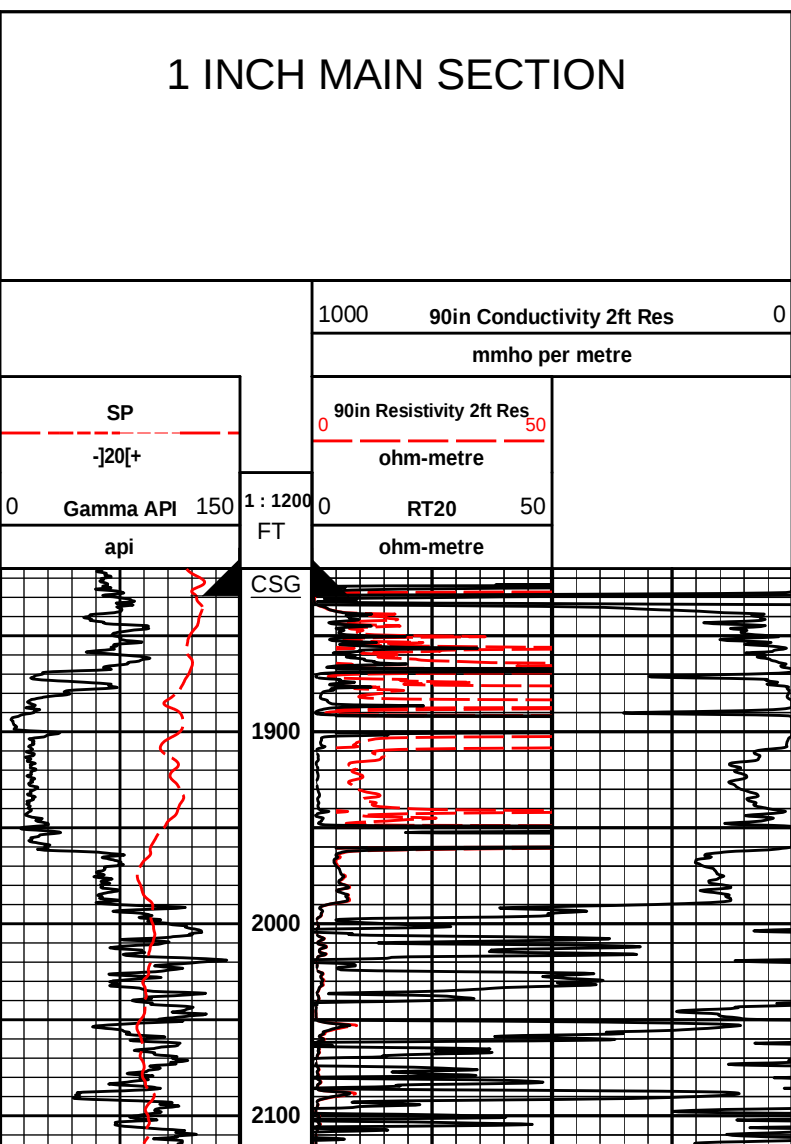
COMPANY	MERIT ENERGY COMPANY, LLC
WELL	McWILLIAMS E-11
FIELD/BLOCK	COWGILL
COUNTY	FINNEY
STATE	KANSAS
API No.	15055225470100
Location	440' FWL & 468' FSL
Other Services:	DSNT/SDLT MICROLOG BSAT

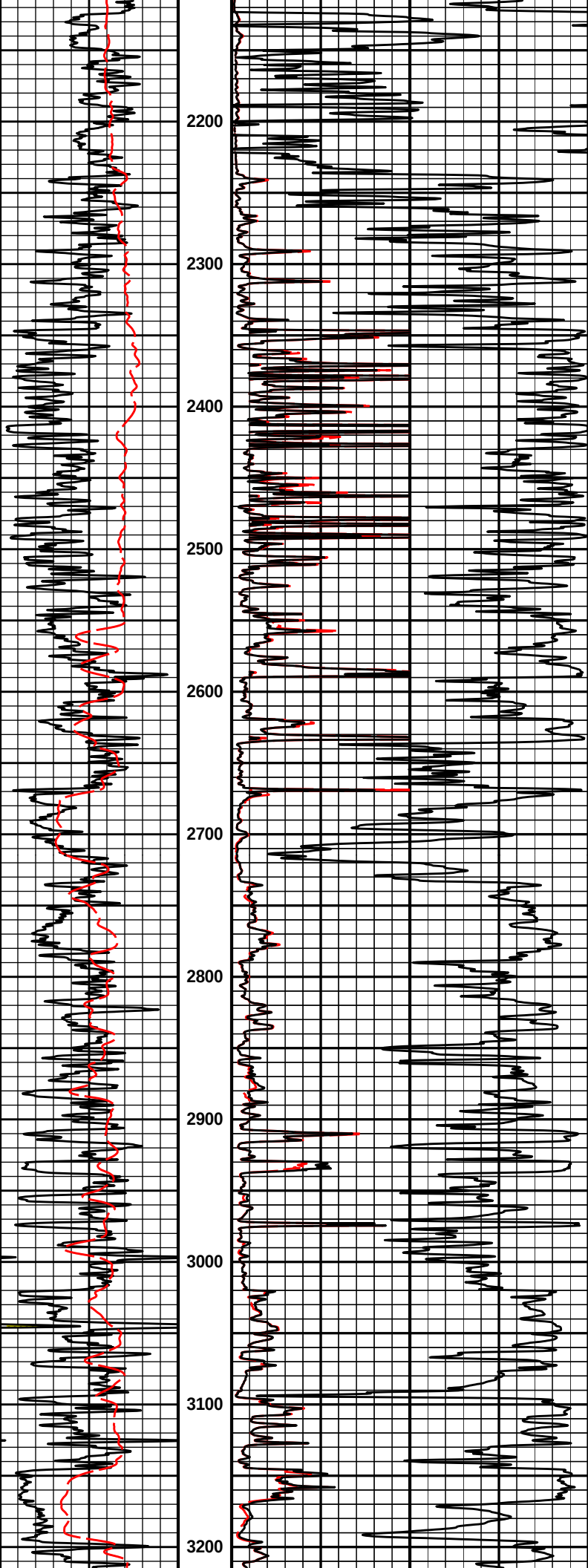
Sect.	21	Twp.	24S	Rge.	33W	Elev.	2893.0 ft
						D.F.	2904.0 ft
						G.L.	2893.0 ft

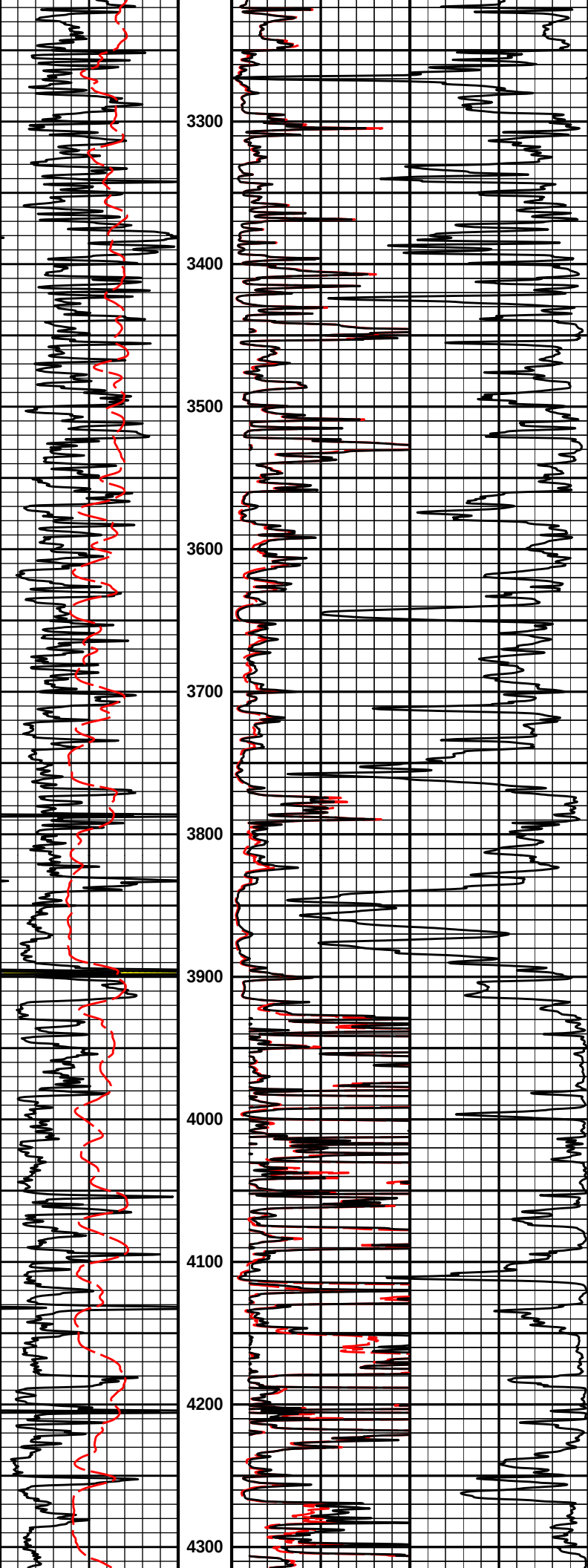
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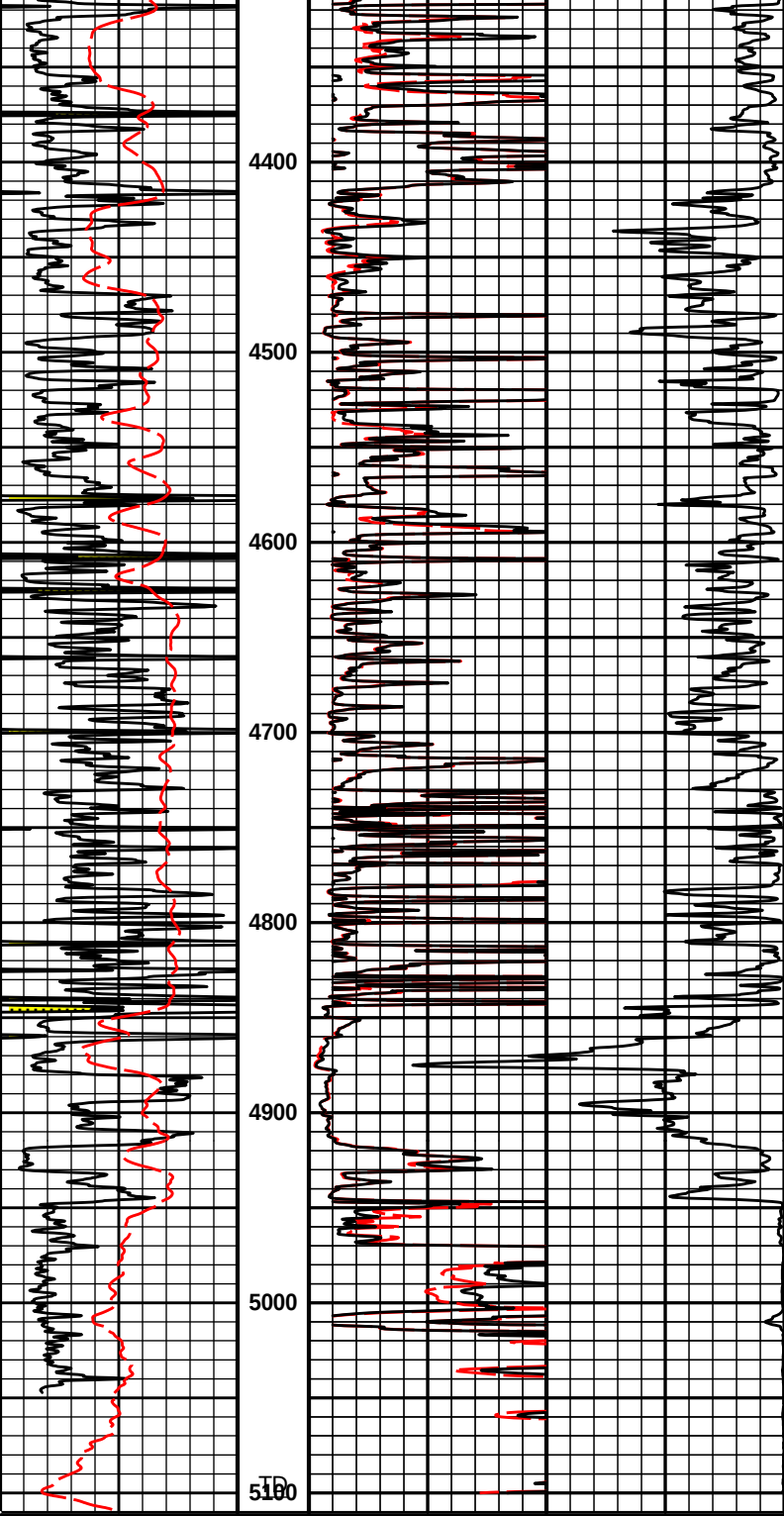
Sales Order Number: 907723410				API No.: 15055225470100				PGM Version: WL INSITE R6.4.5 (Build 6)							
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE						RESISTIVITY SCALE CHANGES									
Date		Sample No.				Type Log		Depth		Scale Up Hole		Scale Down Hole			
Depth-Driller															
Type Fluid in Hole															
Density		Viscosity													
Ph		Fluid Loss													
Source of Sample						RESISTIVITY EQUIPMENT DATA									
Rm @ Meas. Temp		@		@		Run No.		Tool Type & No.		Pad Type		Tool Pos.		Other	
Rmf @ Meas. Temp.		@		@		ONE		ACRT		NONE		1.5 in S.O.		N/A	
Rmc @ Meas. Temp.		@		@				S-10988480							
Source Rmf		Rmc													
Rm @ BHT		@		@											
Rmf @ BHT		@		@											
Rmc @ BHT		@		@											
EQUIPMENT DATA															
GAMMA				ACOUSTIC				DENSITY				NEUTRON			
Run No.		ONE		Run No.				Run No.				Run No.			
Serial No.		10965404		Serial No.				Serial No.				Serial No.			
Model No.		GTET		Model No.				Model No.				Model No.			
Diameter		3.625 in		No. of Cent.				Diameter				Diameter			
Detector Model No.		GTET		Spacing				Log Type				Log Type			
Type		SCINT						Source Type				Source Type			
Length		8 in		LSA [Y/N]				Serial No.				Serial No.			
Distance to Source		10 ft		FWDA [Y/N]				Strength				Strength			
LOGGING DATA															

GENERAL			GAMMA		ACOUSTIC		DENSITY		NEUTRON		
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix
No.	From	To	ft/min	L	R	L	R		L	R	
ONE	5103 ft	1830 ft	REC	0 gapi	150 gapi						
DIRECTIONAL INFORMATION											
Maximum Deviation @						KOP @					
Remarks: FIRST LOG ON WELL, POSITIVE DEPTH CONTROL APPLIED											
ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING											
LOGGING INTERVALS AND SERVICES ARE AS PER CUSTOMER REQUEST											
TOOLS RAN IN COMBINATION AS PER TOOLSTRING DIAGRAM											
CHLORIDES REPORTED AT 2,500											
CREW: C. HERRERA, B. EZEKWU											
THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES											
HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.											
HALLIBURTON											









0	Gamma API	150	1 : 1200	0	RT20	50	
	api		FT		ohm-metre		
	SP				90in Resistivity 2ft Res	0	50
	- 20 +				ohm-metre		
				1000	90in Conductivity 2ft Res		0
					mmho per metre		

1 INCH MAIN SECTION

COMPANY	MERIT ENERGY COMPANY, LLC		
WELL	McWILLIAMS E-11		
FIELD	COWGILL		
COUNTY	FINNEY	STATE	KANSAS
HALLIBURTON		ARRAY COMPENSATED TRUE RESISTIVITY LOG 1 INCH	