

HALLIBURTON

ARRAY COMPENSATED TRUE RESISTIVITY LOG 1 INCH

COMPANY		MERIT ENERGY	
WELL		ELLIOT D-1	
FIELD/BLOCK		HUGOTON GAS AREA	
COUNTY		HASKELL	
STATE		KANSAS	
Permanent Datum	GL	Elev. 2980.0 ft	Elev.: K.B. 2995.0 ft
Log measured from	KB	15.0 ft above perm. Datum	D.F. 2995.0 ft
Drilling measured from	KB		G.L. 2980.0 ft
Date	08-Jun-14		
Run No.	ONE		
Depth - Driller	5664.00 ft		
Depth - Logger	5647.0 ft		
Bottom - Logged Interval	5637		
Top - Logged Interval	1706		
Casing - Driller	8.625 in @ 1766.0 ft		@
Casing - Logger	1706.0 ft		@
Bit Size	7.875 in		@
Type Fluid in Hole	Water Based Mud		
Density	9.1 ppq	33.00 s/qt	
PH	10.00 pH	10.0 opm	
Source of Sample	MUD PIT		
Rm @ Meas. Temperature	0.480 ohmm @ 90.00 degF		@
Rmf @ Meas. Temperature	0.41 ohmm @ 90.00 degF		@
Rmc @ Meas. Temperature	0.540 ohmm @ 90.00 degF		@
Source Rmf	CALCULATED	CALCULATED	
Rm @ BHT	0.31 ohmm @ 144.0 degF		@
Time Since Circulation	13.5000 hr		
Time on Bottom	08-Jun-14 05:56		
Max. Rec. Temperature	144.0 degF @ 5647.0 ft		@
Equipment	11230668	LIBERAL	
Recorded By	SHELDON INGERSOLL		
Witnessed By	J. BALLEW		
			A. GARNER

Fold here

Service Ticket No.: 9011411179		API Serial No.: 15081220650000		PGM Version: WL INSITE R4.2.0 (Build 2)			
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.
Rmf @ Meas. Temp.	@		@	ONE	ACRT	N/A	CENT
Rmc @ Meas. Temp.	@		@		10800784		
Source Rmf	Rmc						
Rm @ BHT	@		@				
Rmf @ BHT	@		@				
Rmc @ BHT	@		@				
EQUIPMENT DATA							
GAMMA		ACOUSTIC		DENSITY		NEUTRON	
Run No.	ONE	Run No.	ONE	Run No.	ONE	Run No.	ONE
Serial No.	10748374	Serial No.	10747684	Serial No.	10673790	Serial No.	10735145
Model No.	GTET	Model No.	BSAT	Model No.	SDLT	Model No.	DSNT
Diameter	3.625"	No. of Cent.	2	Diameter	5.3"	Diameter	3.625"
Detector Model No.	T-102	Spacing	.5'	Log Type	GAM-GAM	Log Type	NEU-NEU
Type	SCINT			Source Type	CS-137	Source Type	AM-241BE
Length	8"	LSA [Y/N]		Serial No.	5073GW	Serial No.	DSN-436
Distance to Source	N/A	FWDA [Y/N]		Strength	1.5 CI	Strength	15 CI
LOGGING DATA							

GENERAL			GAMMA		ACOUSTIC			DENSITY			NEUTRON			
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix	Scale		Matrix
No.	From	To	ft/min	L	R	L	R		L	R		L	R	
ONE	5647	1706	REC	0	150	30	-10	47.6 us/ft	30	-10	2.71 gm/cc	30	-10	LIME

DIRECTIONAL INFORMATION

Maximum Deviation @ KOP @

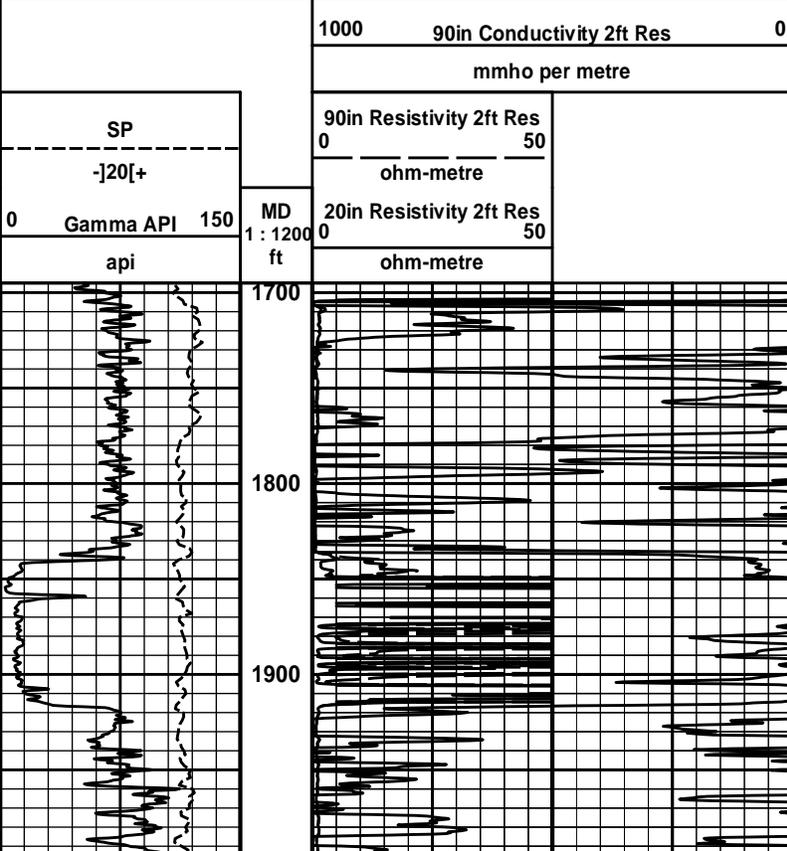
Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING.
 CHLORIDES REPORTED AT 11000 mg/L.

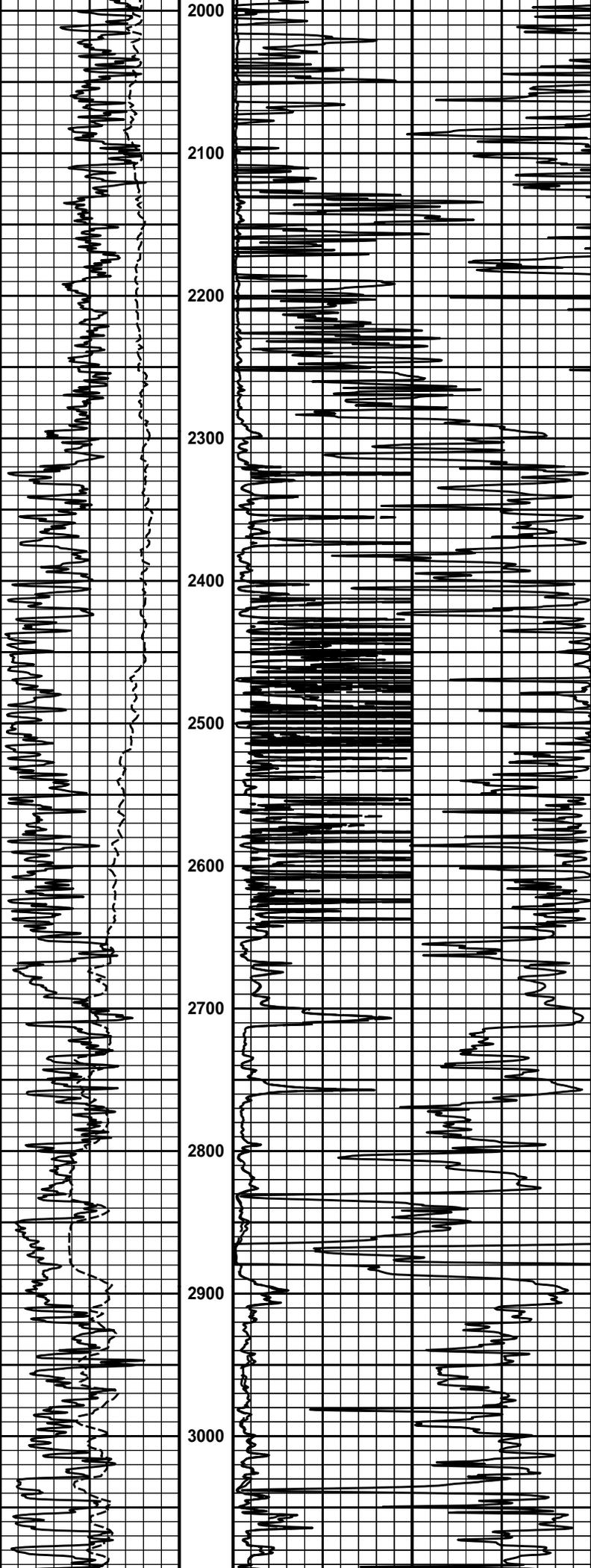
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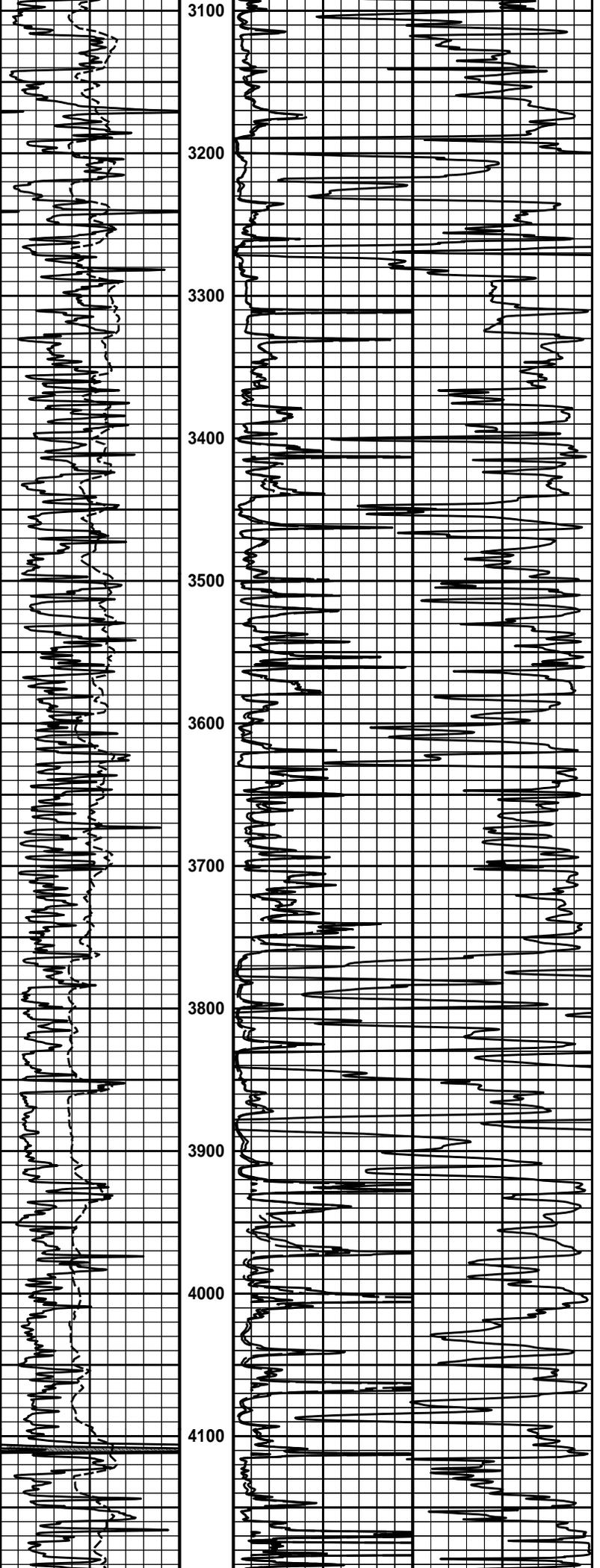
HALLIBURTON

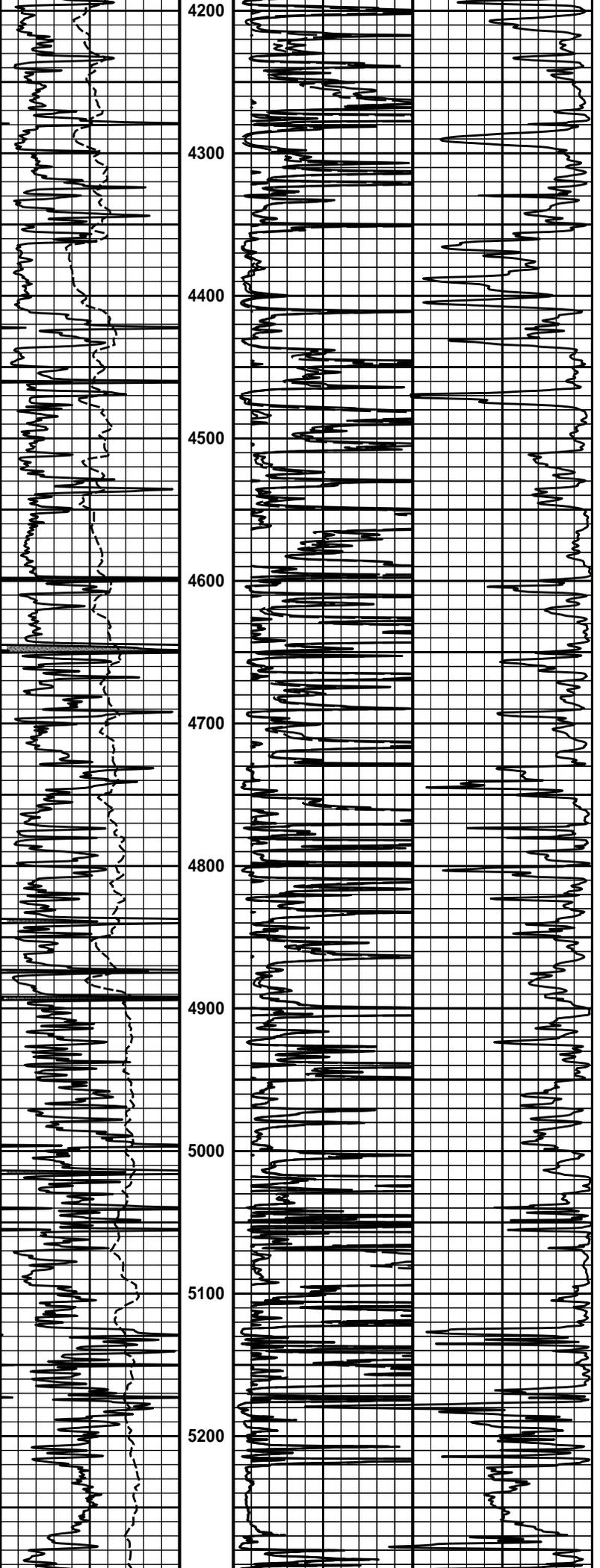
HALLIBURTON
 Plot Time: 08-Jun-14 08:13:49
 Plot Range: 1695 ft to 5635.5 ft
 Data: ELLIOT_D-1Well Based\R1 CASING\
 Plot File: \\-LOCAL-\ACRT 1\ACRT_1_lib

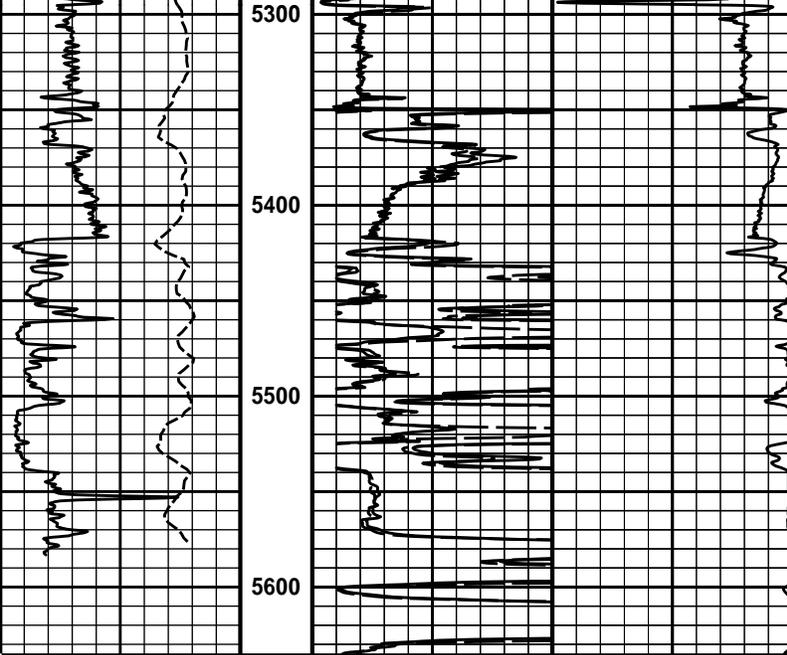
1 INCH MAIN LOG











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

HALLIBURTON
 Plot Time: 08-Jun-14 08:13:50
 Plot Range: 1695 ft to 5635.5 ft
 Data: ELLIOT_D-1\Well Based\R1 CASING\
 Plot File: \\-LOCAL-ACRT 1\ACRT_1_lib

1 INCH MAIN LOG

COMPANY	MERIT ENERGY		
WELL	ELLIOT D-1		
FIELD	HUGOTON GAS AREA		
COUNTY	HASKELL	STATE	KANSAS

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ARRAY COMPENSATED
 TRUE RESISTIVITY
 LOG