Table 3.--Electric logs of MAR test wells:

Well 19.5.17.333 (MAR 1) Induction-electric log

COMPANY Cass Drilling Company
WELL Zmar Test Well # 1
FIELD Wildcat
County Dona Ana State N. M.

WELEX

INDUCTION— ELECTRIC LOG

COMPANY CASS DRILLING COMPANY

WELL ZMAR TEST WELL # 1

FIELD WILDCAT

COUNTY DONA ANA STATE NEW MEXICO

Location SW/4 of SW/4 of SW/4

Sec. 17 Twp. 19-S Rge. 5-E

Other Services: Cont-Cal

Permanent Datum Ground Level Elev. 4135 Est.
Log Measured From G. L. ,0 Ft. Above Perm. Datum
Drilling Measured From Ground Level

Elev.: K.B.
D.F. 4140
G.L. 4135 Est.

Date	4-4-63			
Run No.	- One -			
Depth—Driller	1003			
Depth—Welex	996			
Btm. Log Inter.	992			
Top Log Inter.	120			
Casing—Driller	10-3/4 @120	@	@	@
Casing—Welex	120			
Bit Size	8-3/8"			
Type Fluid in Hole	Mud Clay Base, Gel, Driscose			
Dens. | Visc.	9.5 |	|	|	|
pH | Fluid Loss	| ml	| ml	| ml	| ml
Source of Sample	Circulated			
R_m @ Meas. Temp.	6.8 @ 70°F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	1.8 @ 70°F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	5.2 @ 70°F	@ °F	@ °F	@ °F
Source R_{mf} R_{mc}	Measured	|	|	|
R_m @ BHT	5.5 @ 81°F	@ °F	@ °F	@ °F
Time Since Circ.	7 Hrs.			
Max. Rec. Temp.	81 °F @ BH	°F @	°F @	°F @
Equip. | Location	3001 Artesia	|	|	|
Recorded By	P.C.Harris			
Witnessed By	Mr. Cass			

Fold Here

REMARKS Ticket: W-29827

Change in Mud Type or Additional Samples

Date | Sample No.	|	|
Depth—Driller		
Type Fluid in Hole		
Dens. | Visc.	|	|
ph | Fluid Loss	| ml	|
Source of Sample		
R_m @ Meas. Temp.	@ °F	@ °F
R_{mf} @ Meas. Temp.	@ °F	@ °F
R_{mc} @ Meas. Temp.	@ °F	@ °F
Source: R_{mf} | R_{mc}	Measured	|
R_m @ BHT	5.5 @ 81°F	@ °F
R_{mf} BHT	1.6 @ 81°F	@ °F
R_{mc} BHT	4.5 @ 81°F	@ °F

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

EQUIPMENT DATA

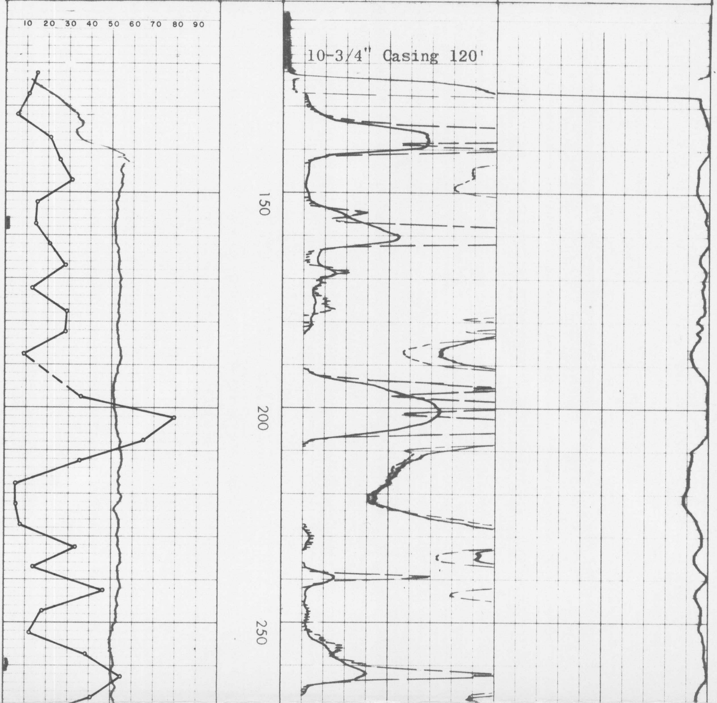
Run No.	Tool Type and No.	Pad Type	Tool Position	Other
- 1 -	5 Coil 40" # 10036			Centralized

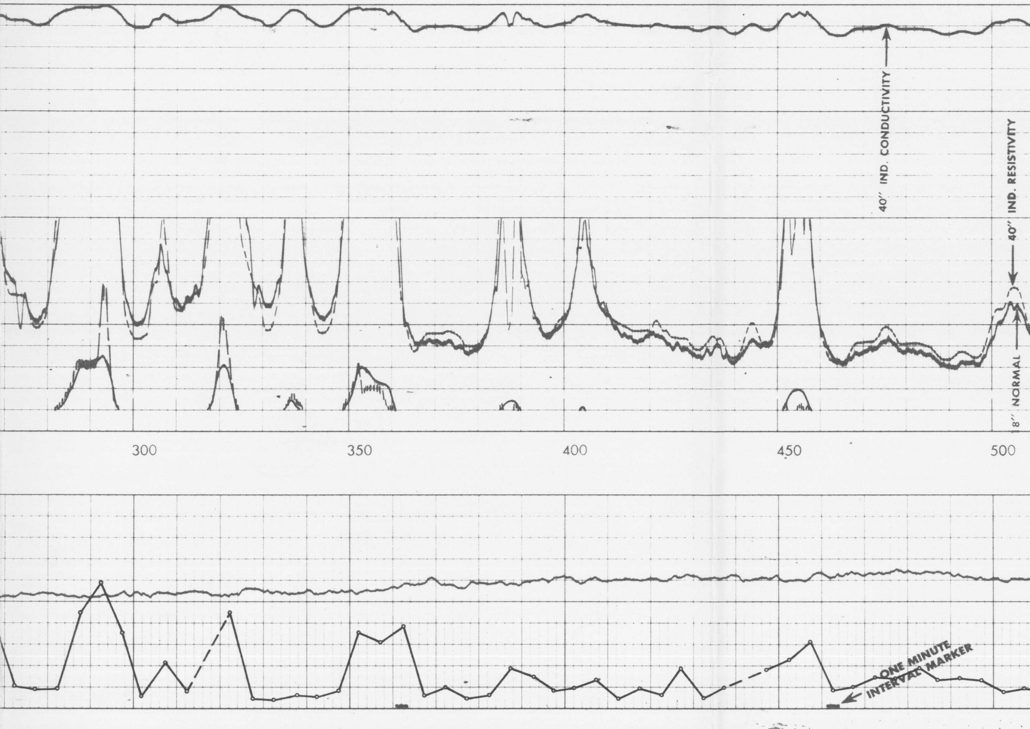
Rw @ 380' 12 @ 66°
Rw @ 718' 15 @ 66°

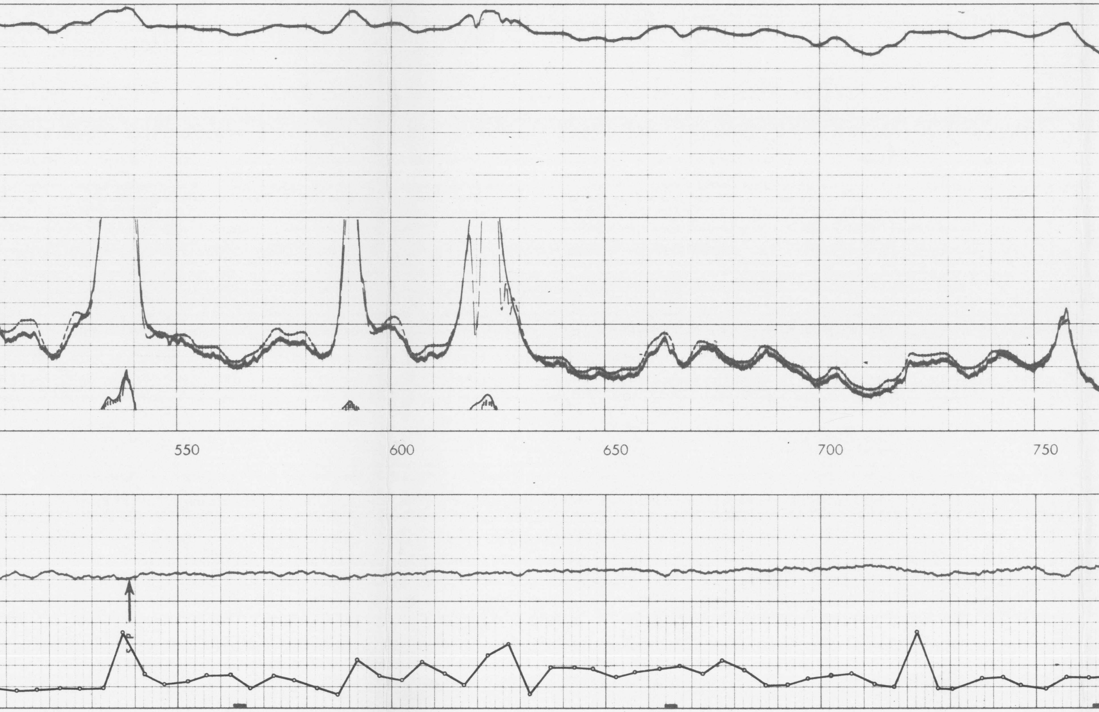
5" 100′

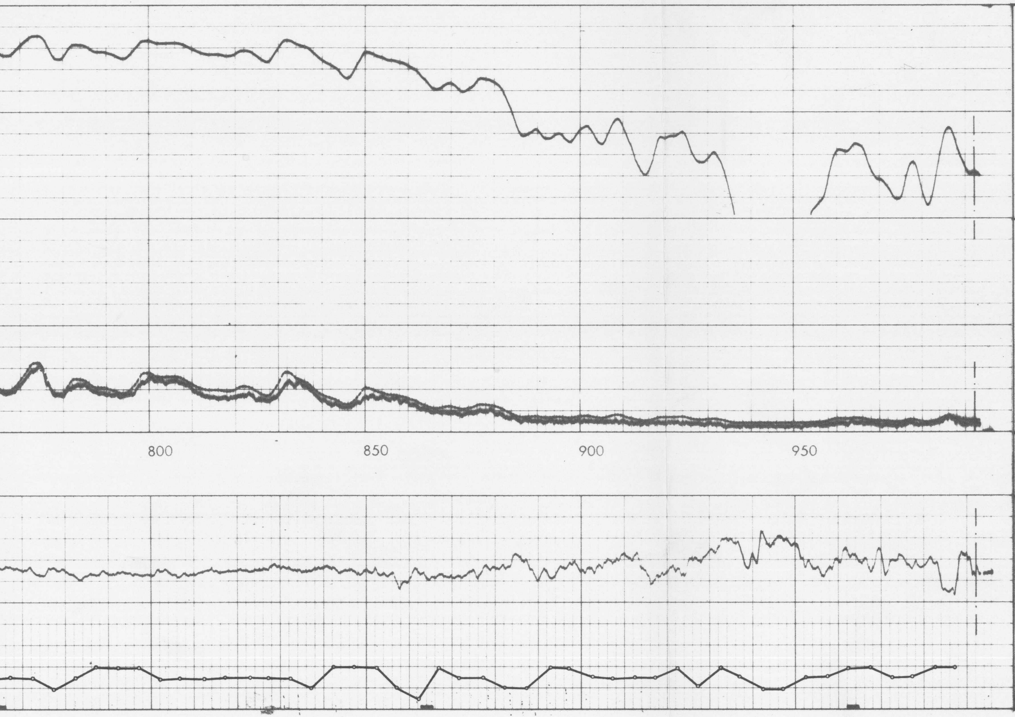
POTENTIAL MILLIVOLTS		RESISTIVITY OHMS M²/M	CONDUCTIVITY M MHOS/M
→ 15 ← +		0 18″ Normal 20	1000 Induction 0
		0 200	
Rmf 1.6 at 81 °F.		0 Induction 20	
		0 200	

DRILLING TIME, IN MINUTES PER 5 FOOT INTERVAL









Rmf 1.6 at 81 °F.

− → 15 ← +

POTENTIAL MILLIVOLTS

0 Induction 20

0 200

0 18" Normal 20

0 200

RESISTIVITY OHMS M^2/M

1000 Induction 0

CONDUCTIVITY M MHOS/M

Cass Drilling Company
Zmar Test Well # 1
Wildcat
Dona Ana County, New Mexico

T.D. LOGGED 992'
T.D. DRILLER 1003'
T.D. WELEX 996'