SCHLUMBERGER INDUCTION-ELECTRICAL LOG

COUNTY LEWIS
FIELD or LOCATION JACKSON PRAIRIE
WELL STORAGE UNIT 48
COMPANY WASHINGTON WATER POWER COMPANY

COMPANY THE WASHINGTON WATER POWER COMPANY

WELL STORAGE UNIT 48

FIELD JACKSON PRAIRIE

COUNTY LEWIS STATE WASHINGTON

LOCATION 603' EAST AND 187' SOUTH OF NORTHWEST CORNER

Sec. 17 Twp. 12N Rge. 1W

Other Services: GRN, CBL, BSL, FDC

Permanent Datum: GL, Elev. 498
Log Measured From KB, 11 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 509
D.F.
G.L. 498

Date	5-11-70			
Run No.	ONE			
Depth—Driller	2272			
Depth—Logger	2269			
Btm. Log Interval	2268			
Top Log Interval	601			
Casing—Driller	10¾ @ 602	@	@	@
Casing—Logger	601			
Bit Size	9⅞			
Type Fluid in Hole	FRESH			
Dens. | Visc.	9.2 | 48			
pH | Fluid Loss	9.0 | 9.8 ml	ml	ml	ml
Source of Sample	FLOWLINE			
R_m @ Meas. Temp.	3.98 @ 57 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	2.16 @ 70 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	3.45 @ 70 °F	@ °F	@ °F	@ °F
Source: R_{mf} R_{mc}	M | M			
R_m @ BHT	3.00 @ 79 °F	@ °F	@ °F	@ °F
Time Since Circ.	2½ HOURS			
Max. Rec. Temp.	79 °F	°F	°F	°F
Equip. | Location	3716 | SAC			
Recorded By	ANDERSEN			
Witnessed By	WURDEN			

FOLD HERE

The well name, location and borehole reference data were furnished by the customer.

REMARKS

Changes 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	@ °F
R_{mf} @ Meas. Temp.	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	@ °F	@ °F	@ °F
Source: R_{mf} | R_{mc}	—	—	—
R_m @ BHT	@ °F	@ °F	@ °F
R_{mf} @ BHT	@ °F	@ °F	@ °F
R_{mc} @ BHT	@ °F	@ °F	@ °F

Scale Changes

	Type Log	Depth	Scale Up Hole	Scale Down Hole

Equipment Data

	Run No.	Tool Type	Tool Position	Other
	ONE	6FF40	CENTRALIZED	

5-26-70 SAC

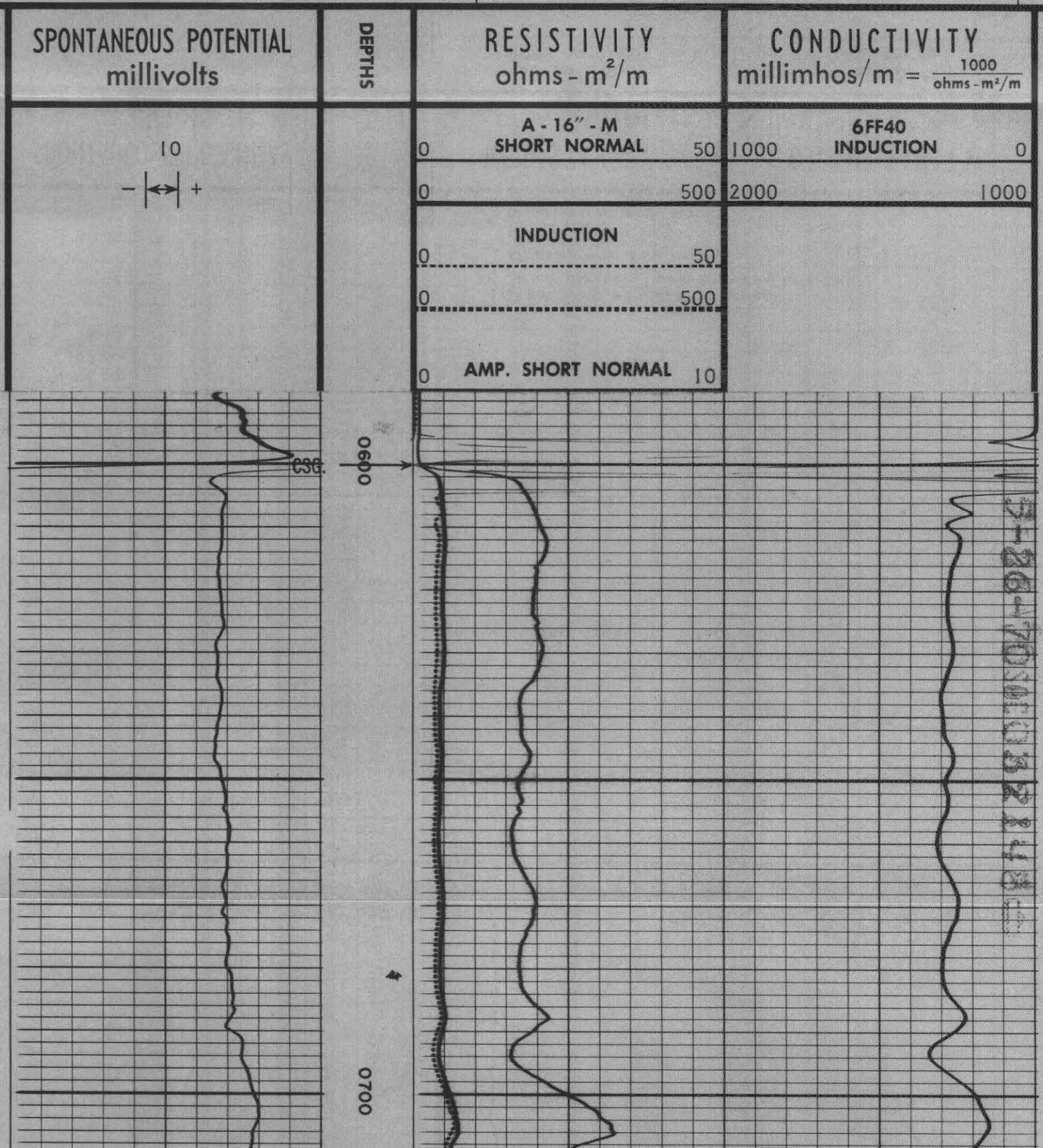
Run No.: ONE
C.D.: USED
S.O.: 1.5
Equip. PANEL No.: IRP-G-159

SWS-1099-E

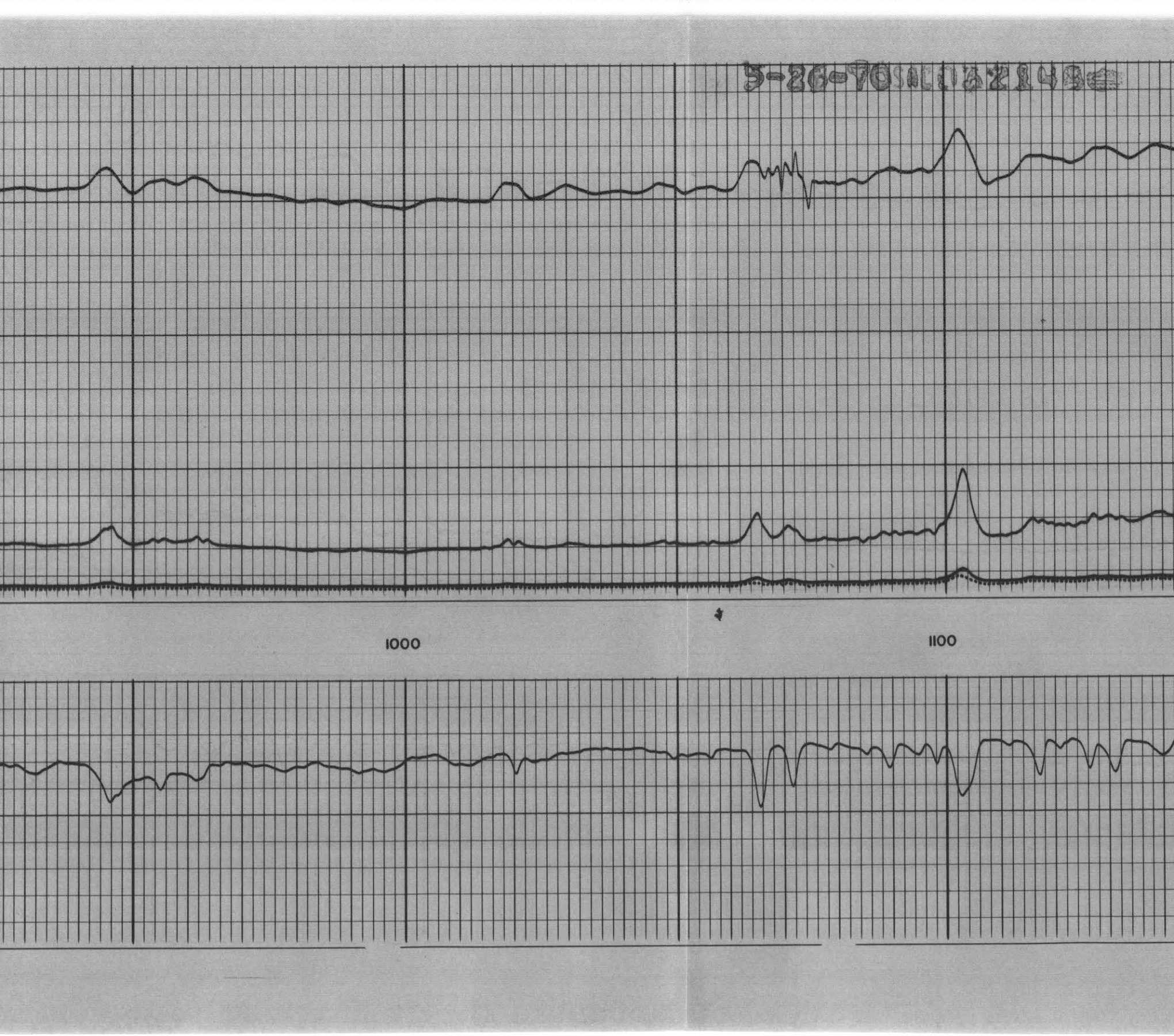
Used: CART. No.:	IRC-F-255
SONDE No.:	IRS-M-221
IAP No.:	MMP-A- 21
S.B.R.:	1

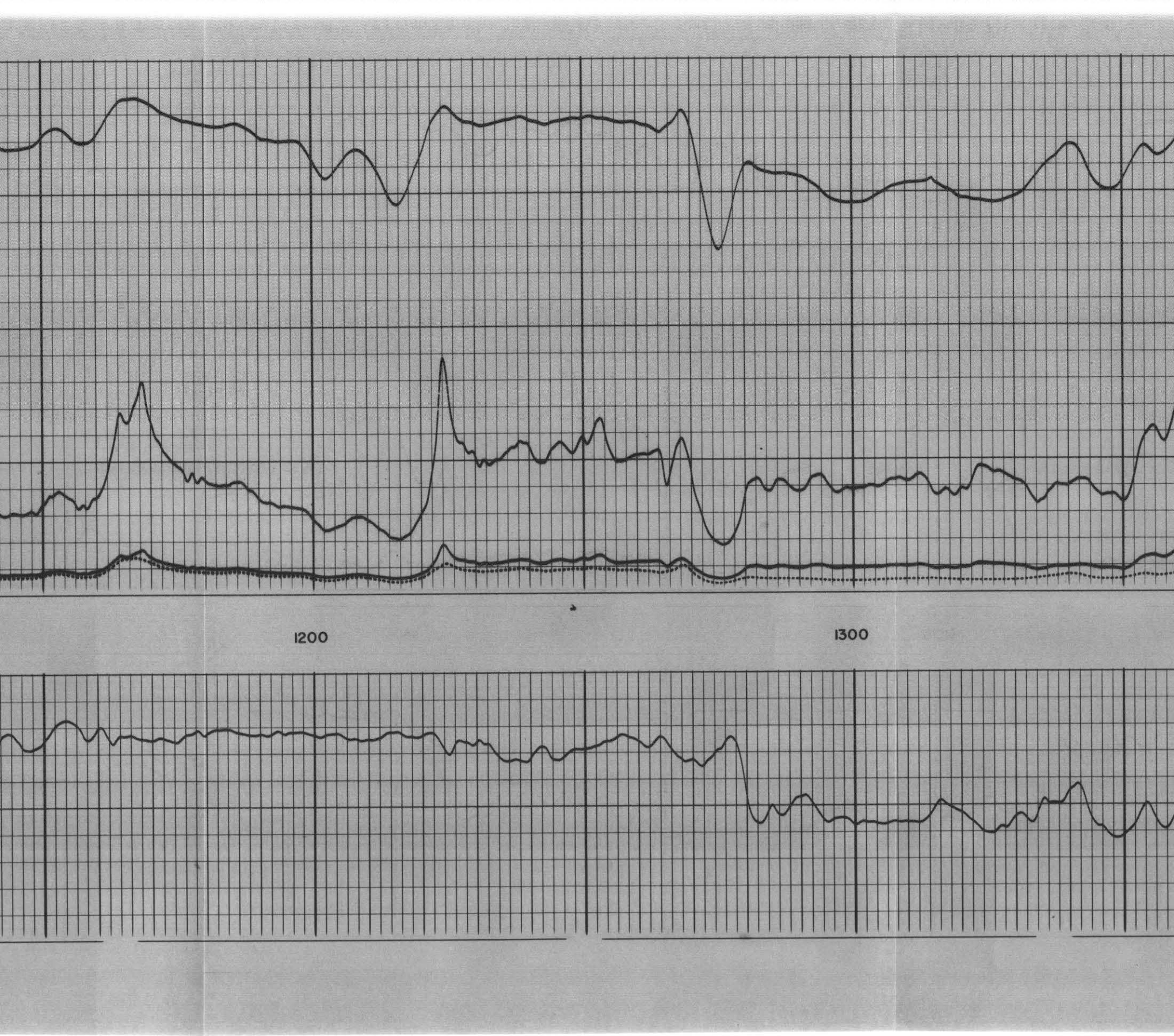
Check one, filling in blanks where applicable:

- [X] Surface determined sonde errors used for 6FF40.
- [ ] 6FF40 sonde error corrected for _____ inch borehole signal at Rm =
- [ ] 6FF40 zero set in hole at depth of _____ feet.



0060
0080


5-26-70
1000
1100


1200
1300

1400
1500

1600

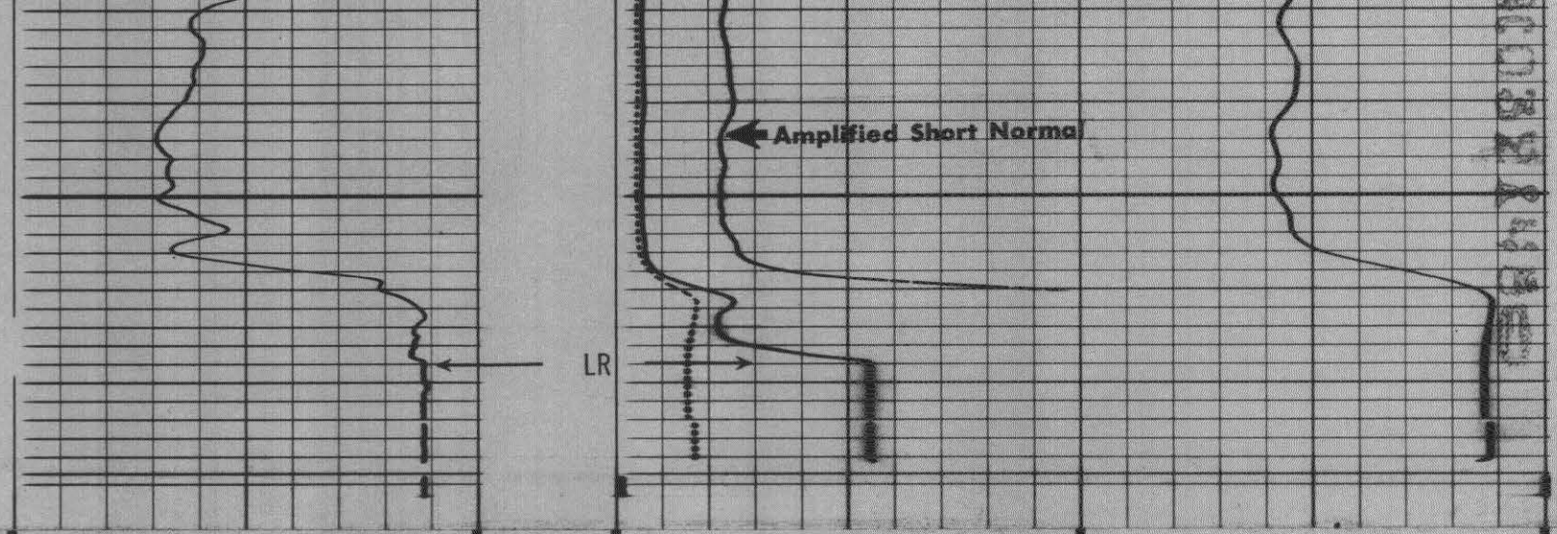
1700

1800

1900

2000

5-26-70
2100
2200



SPONTANEOUS-POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms-m^2/m	CONDUCTIVITY millimhos/m = $\frac{1000}{\text{ohms-}m^2/m}$
10 – |↔| +		AMP. SHORT NORMAL 0 — 10 A-16″-M SHORT NORMAL 0 — 50 0 — 500 INDUCTION 0 — 50 0 — 500	6 FF40 INDUCTION 1000 — 0 2000 — 1000

COMPANY THE WASHINGTON WATER POWER COMPANY

WELL STORAGE UNIT 48

FIELD JACKSON PRAIRIE

COUNTY LEWIS STATE WASHINGTON

SCHL. FR 2268
SCHL. TD 2269
DRLR TD 2272
Elev:
KB 509
DF
GL 498

SCHLUMBERGER