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DEPT OF GEOLOGY & MINERAL INDUS

Welex

5"=100'

INDUCTION • ELECTRIC LOG

COMPANY REICHHOLD ENERGY CORPORATION
WELL D.S.C.-COLUMBIA CO. NO.2
FIELD NEHALEM BASIN
County COLUMBIA State OREGON

COMPANY REICHHOLD ENERGY CORPORATION

WELL D.S.C.-COLUMBIA CO. NO.2

FIELD NEHALEM BASIN

COUNTY COLUMBIA STATE OREGON

Location
1225' SOUTH & 326' EAST OF THE
NORTH 1/4 CORNER OF:
(W.B.M.)

Sec. 14 Twp. 6N Rge. 5W

Other Services:
DIP
C/AVL-TDI
[redacted].

Permanent Datum G.L. Elev. 537.6
Log Measured From K.B. OR 12 Ft. Above Perm. Datum
Drilling Measured From K.B.

Elev.: K.B. 549.6
D.F.
G.L. 537.6

Date	7-16-78			
Run No.	ONE			
Depth—Driller	2780			
Depth—Welex	2775			
Btm. Log Inter.	2770			
Top Log Inter.	331			
Casing—Driller	7 @ 331	@	@	@
Casing—Welex	331			
Bit Size	6 1/8			
Type Fluid in Hole	CYPAN & LIGNIT			
Dens. I Visc.	69 I 53	I	I	I
pH I Fluid Loss	8.5 I 4.0ml	I ml	I ml	I ml
Source of Sample	PIT			
R_m @ Meas. Temp.	3.80 @ 72 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	2.85 @ 60 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	3.45 @ 60 °F	@ °F	@ °F	@ °F
Source R_{mf} R_{mc}	MEASURED	I	I	I
R_m @ BHT	2.35 @ 116°F	@ °F	@ °F	@ °F
Time Since Circ.	2 1/2 HRS.			
Max. Rec. Temp.	116°F @ BHT	°F @	°F @	°F @
Equip. I Location	8586 I WOODLAND	I	I	I
Recorded By	MR. KENNEDY			
Witnessed By	MR. BRUER			

Fold Here

Service Ticket No. 006736 Remarks:

Change in Mud Type or Additional Samples

Date | Sample No.	I	I
Depth—Driller		
Type Fluid in Hole		
Dens. | Visc.	I	I
ph | Fluid Loss	I ml	I
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}	I	I
R_m @ BHT	2.35 @ 116°F	@ °F
R_{mf} BHT	1.47 @ 116°F	@ °F
R_{mc} BHT	1.78 @ 116°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
ONE	IEL-18852		FREE	6 1/8 HOLE

Welex does not guarantee the accuracy of any interpretation of log data, conversion of log data to physical rock parameters, or recommendations which may be given by Welex personnel or which may appear on the log or in any other form. Any user of such data, interpretations, conversions, or recommendations agrees that Welex is not responsible, except where due to gross negligence or willful misconduct, for any loss, damages, or expenses resulting from the use thereof.

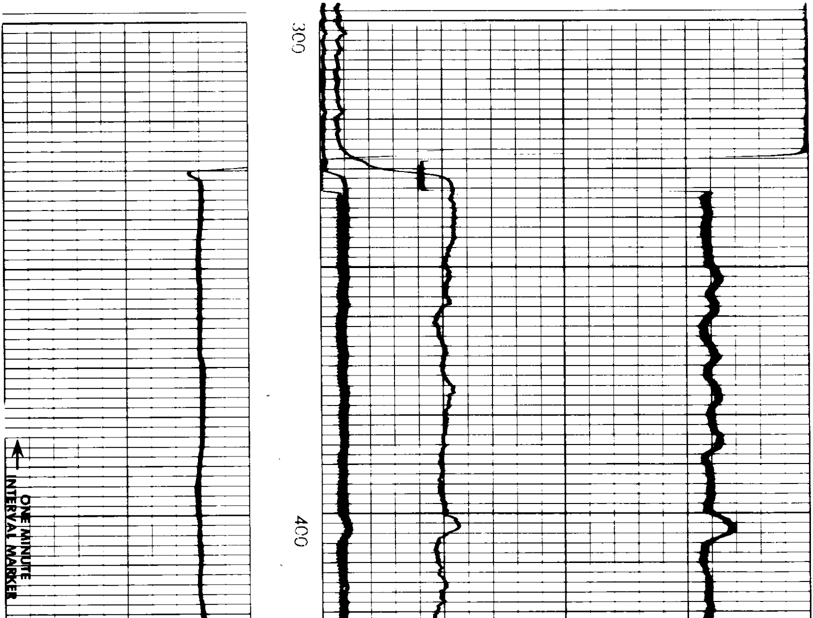
5" = 100'

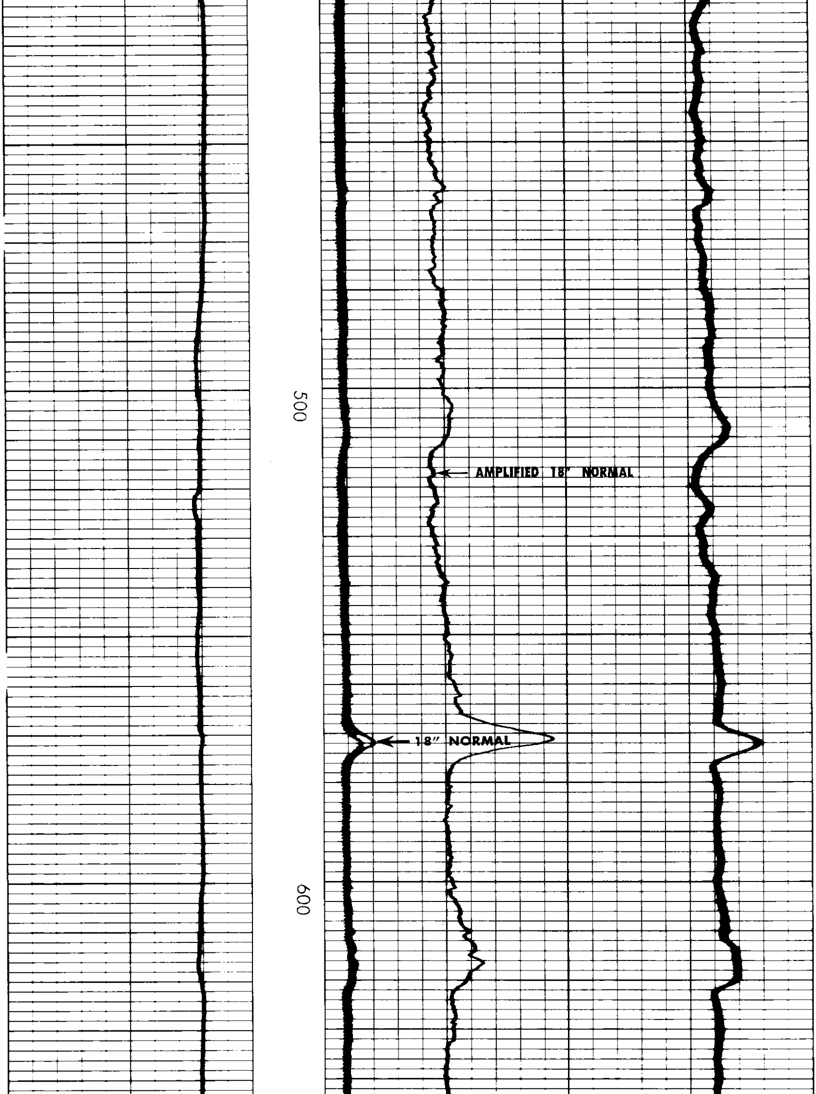
POTENTIAL MILLIVOLTS

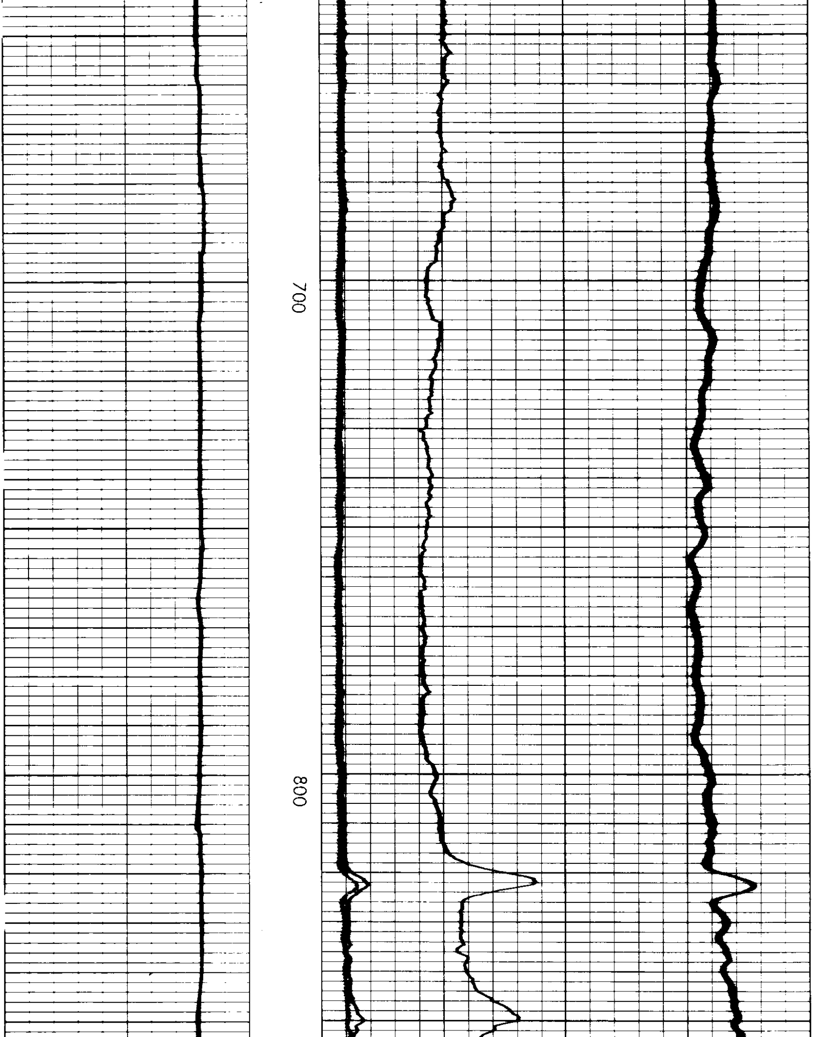
– → 15 ← +

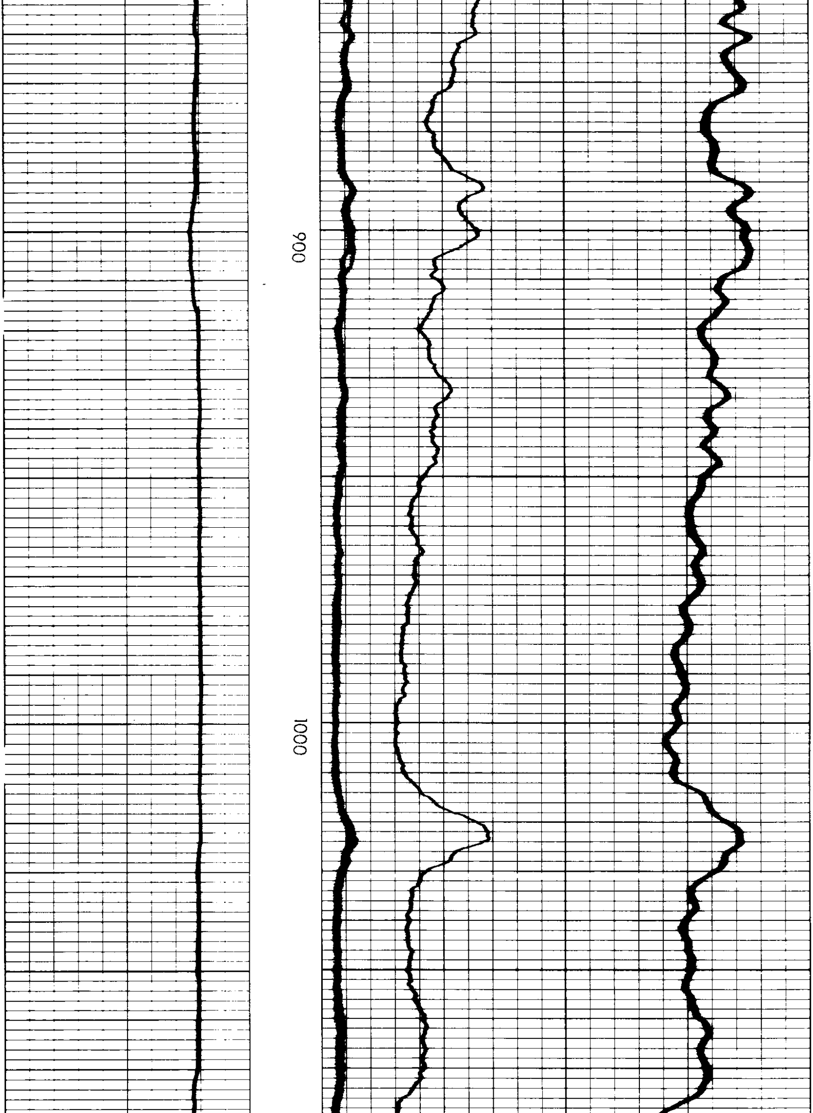
Rmf________ at ________ °F.

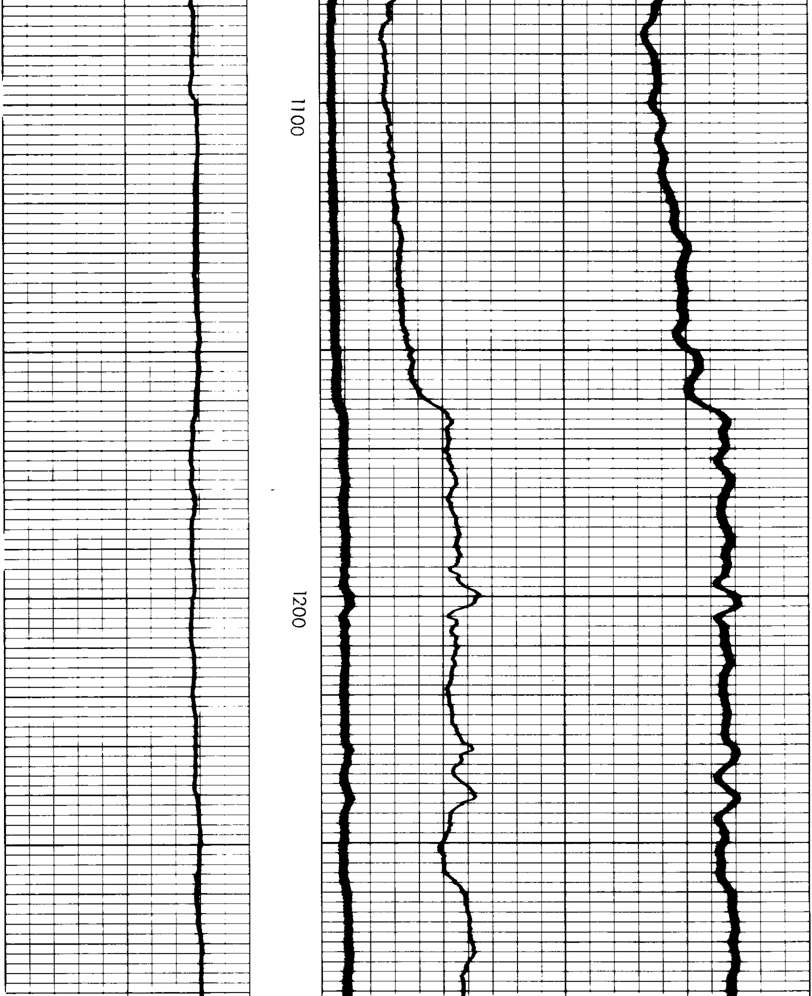
RESISTIVITY OHMS M²/M			**CONDUCTIVITY M MHOS/M**		
0	18" Normal	30	1000	Induction	0
0	O.S.	300	2000	O.S.	1000
0	18" AMPL NORMAL	6			
0	Induction	30			
0	O.S.	300			

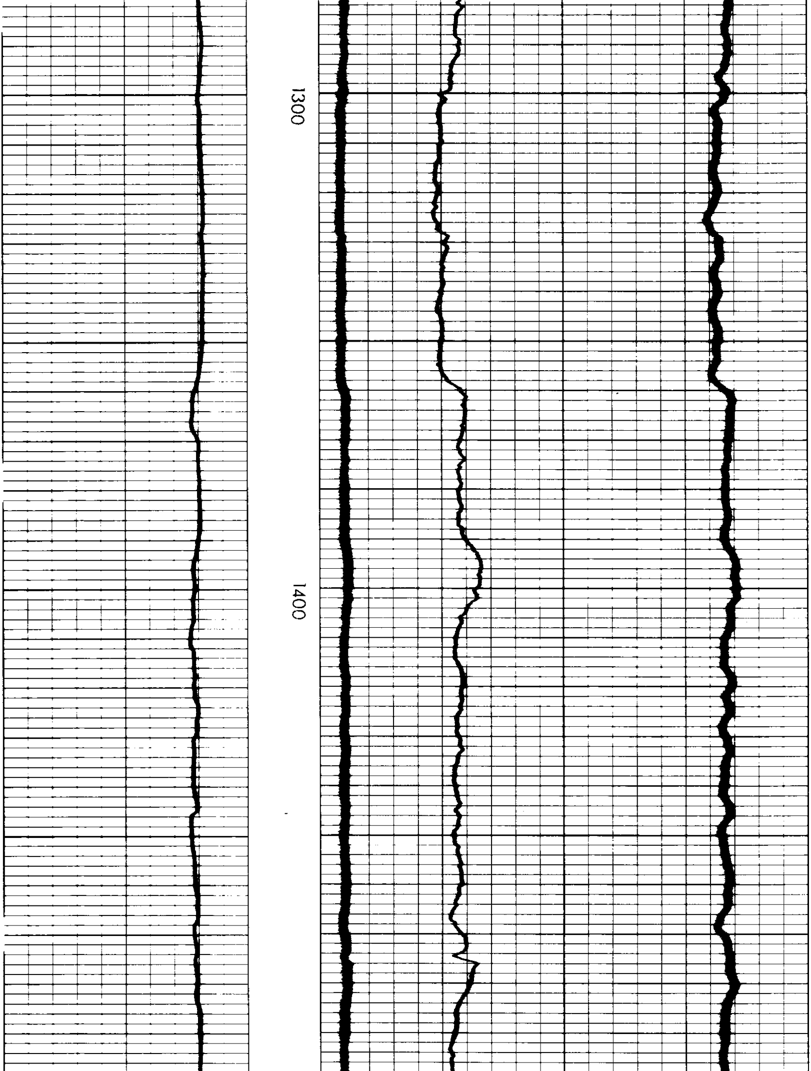


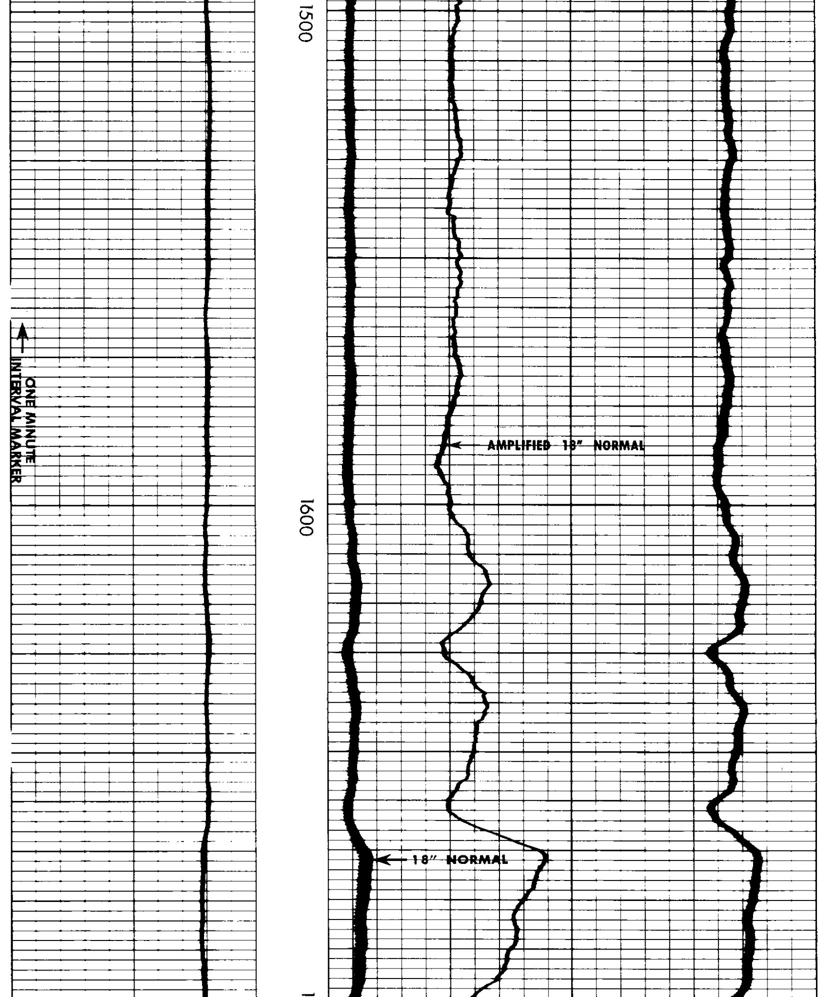


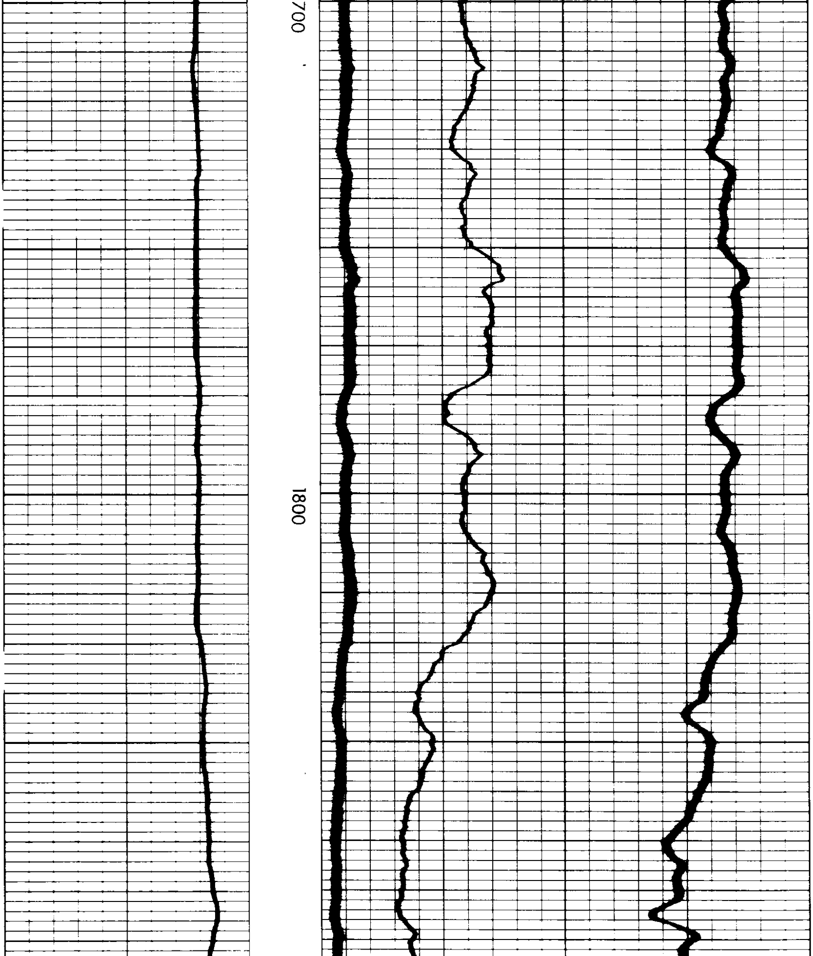


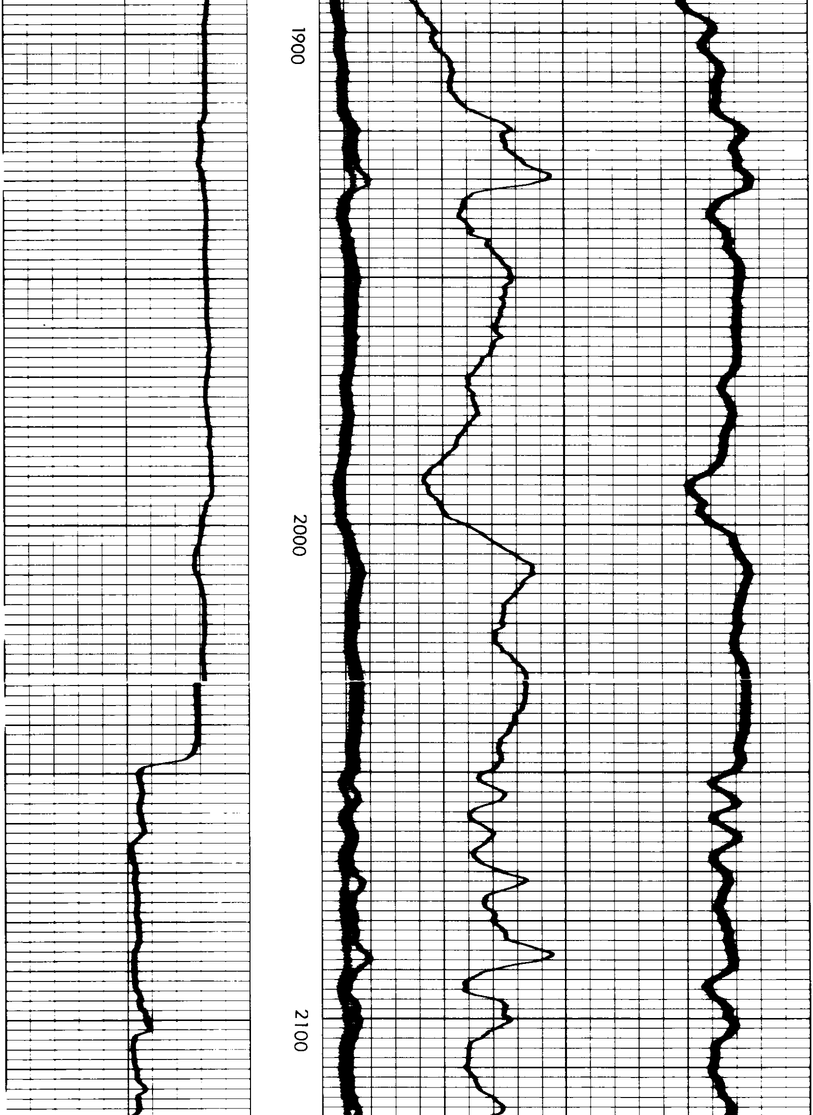


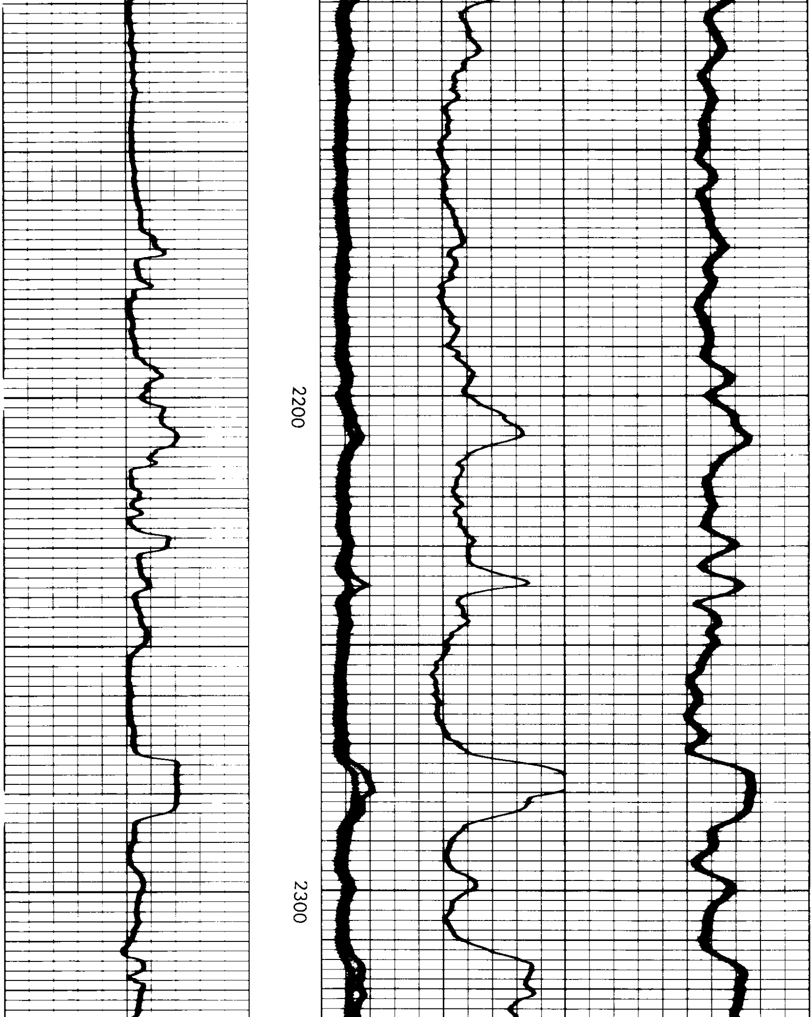


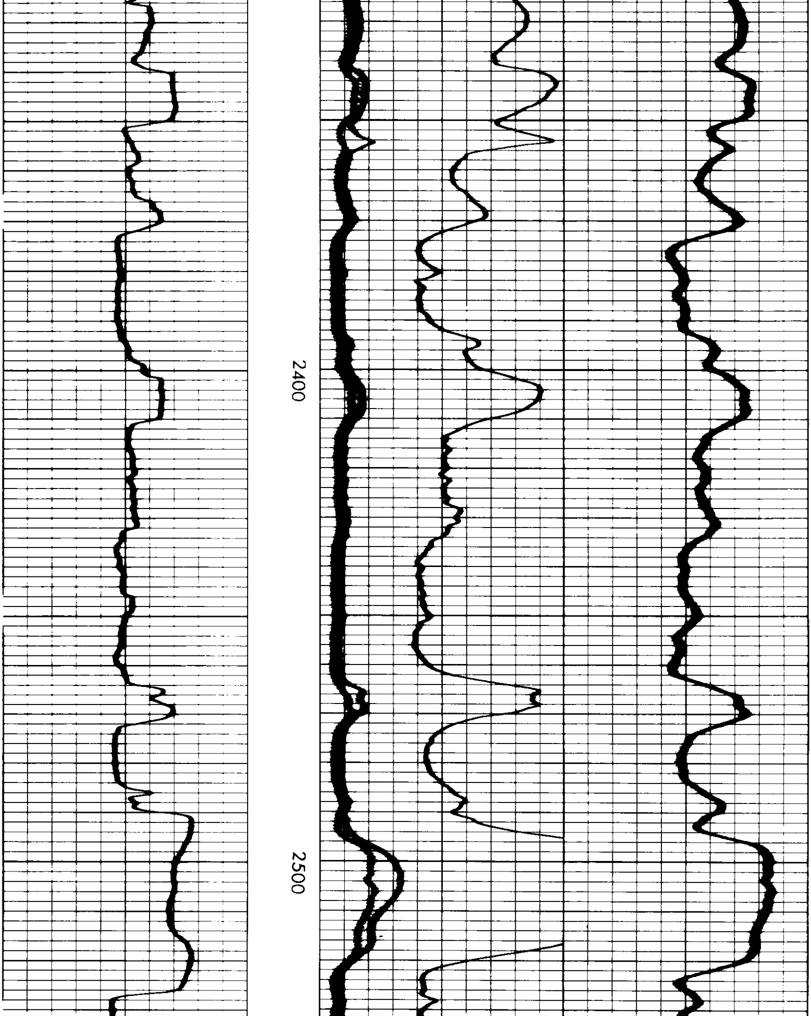


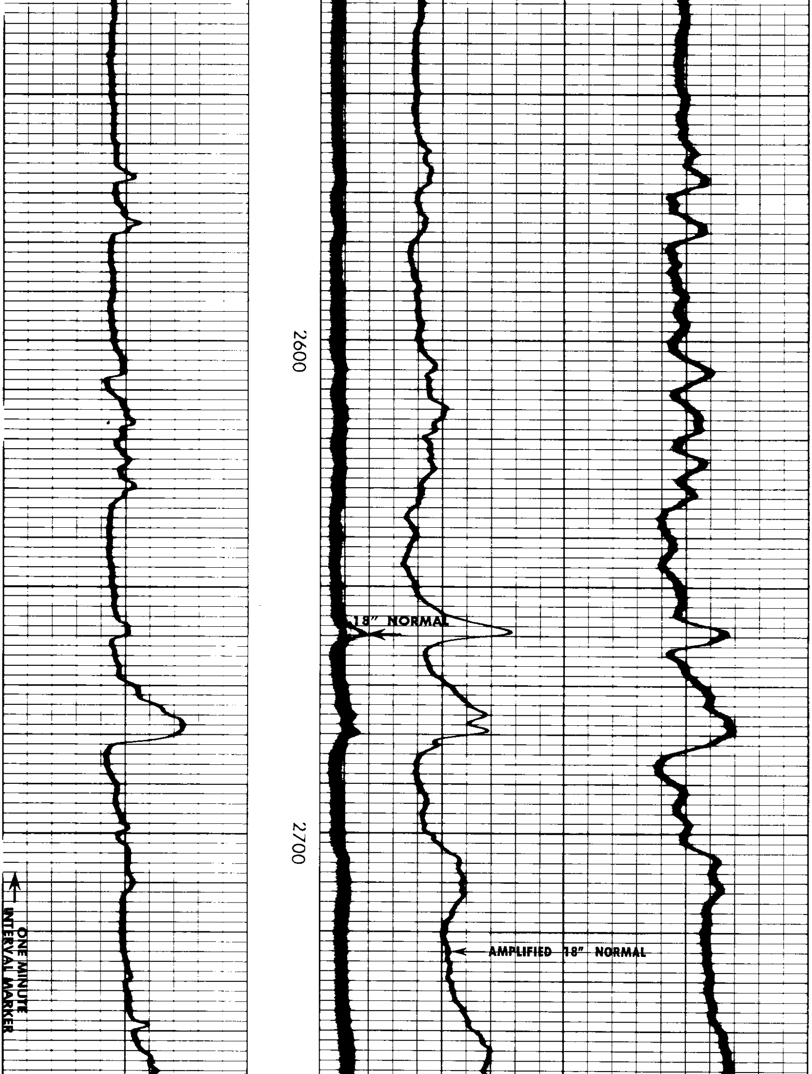


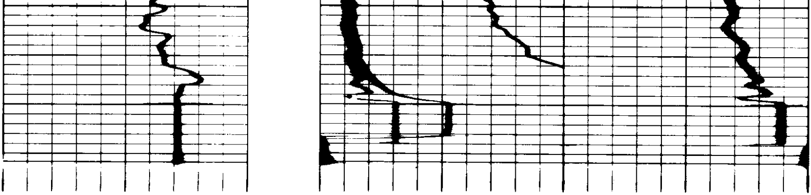












Rmf 1.47 at 116 °F.

− → 15 ← +

POTENTIAL MILLIVOLTS

0 Induction 30

0 O.S. 300

0 18" Normal 30

0 O.S. 300

0 18" AMPL NORMAL 6

RESISTIVITY OHMS M²/M

1000 Induction 0

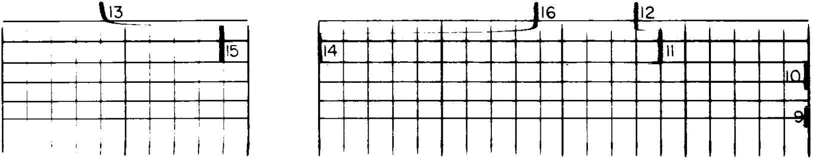
2000 O.S. 1000

CONDUCTIVITY M MHOS/M

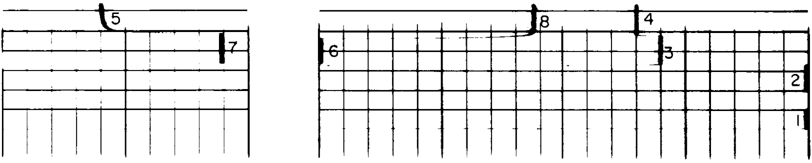
REICHHOLD ENERGY CORPORATION
D.S.C.-COLUMBIA COMPANY NO.2
NEHALEM BASIN
COLUMBIA COUNTY, OREGON

T.D. LOGGED	2770
T.D. DRILLER	2780
T.D. WELEX	2775

AFTER LOG



BEFORE LOG



INDUCTION ELECTRIC LOG FIELD CALIBRATIONS

1. RECORDER ZERO — COND
2. LOW REF. — ZERO CALIB.
3. HIGH REF. — INTERNAL CALIB. — BASE OUT
4. HIGH REF + BASE — INTERNAL CAL. BASE IN
5. S.P. BASE
6. RECORDER ZERO — NORMAL AND/OR LATERAL
7. S.P. + 50 M.V.
8. NORMAL AND/OR LATERAL REFERENCE
9. RECORDER ZERO — COND.
10. LOW REF. — ZERO CALIB.
11. HIGH REF. — INTERNAL CALIB. — BASE OUT
12. HIGH REF. + BASE — INTERNAL CAL. BASE IN
13. S.P. BASE
14. RECORDER ZERO — NORMAL AND/OR LATERAL
15. S.P. + 50 M.V.
16. NORMAL AND/OR LATERAL REFERENCE

1 THRU 8 — BEFORE LOG
9 THRU 16 — AFTER LOG

ALL SENSITIVITIES AT LOG SCALES,
EXCEPT AS NOTED

— End of log —