Welex
5"=100'
INDU

COMPANY REICHHOLD ENERGY CORP.
WELL COLUMBIA COUNTY NO.1
FIELD NEHALEM BASIN
County COLUMBIA State OREGON

COMPANY REICHHOLD
WELL COLUMBIA C
FIELD NEHALEM BA
COUNTY COLUMBIA
Location 310' NORTH &
FROM THE CEN
Sec. 11 Twp. 6N

Permanent Datum GROUND LEVEL El
Log Measured From K.B. or 10.5 Ft.
Drilling Measured From K.B.

Date	9-3-77	
Run No.	ONE	
Depth—Driller	3111	
Depth—Welex	3105	
Btm. Log Inter.	3099	
Top Log Inter.	361	
Casing—Driller	7" @ 359	@
Casing—Welex	361	
Bit Size	6 1/4	
Type Fluid in Hole	LIGNITE	
Dens. | Visc.	75 | 46	|
pH | Fluid Loss	9.0 | 4.4ml	|
Source of Sample	PIT	
R_m @ Meas. Temp.	2.00 @ 68°F	@
R_{mf} @ Meas. Temp.	1.88 @ 62°F	@
R_{mc} @ Meas. Temp.	2.30 @ 60°F	@
Source R_{mf} R_{mc}	MEASURED	|
R_m @ BHT	1.15 @118°F	@
Time Since Circ.	3 HRS.	
Max. Rec. Temp.	118°F@ BHT	°F@
Equip. | Location	9430 | WDLND	|
Recorded By	MR. DOVE	
Witnessed By	MR. BRUER	

Welex

5"=100'

INDUCTION • ELECTRIC LOG

COMPANY REICHHOLD ENERGY CORP.
WELL COLUMBIA COUNTY NO.1
FIELD NEHALEM BASIN
County COLUMBIA State OREGON

COMPANY REICHHOLD ENERGY CORPORATION
WELL COLUMBIA COUNTY NO. 1
FIELD NEHALEM BASIN
COUNTY COLUMBIA STATE OREGON
Location 310' NORTH & 812' WEST FROM THE CENTER OF:
Other Services: C/AVL DIP LOG SWC
Sec. 11 Twp. 6N Rge. 5W

Permanent Datum GROUND LEVEL Elev. 1021
Log Measured From K.B. or 10.5 Ft. Above Perm. Datum
Drilling Measured From K.B.
Elev.: K.B. 1031.5
D.F. -
G.L. 1021

Date	9-3-77			
Run No.	ONE			
Depth—Driller	3111			
Depth—Welex	3105			
Btm. Log Inter.	3099			
Top Log Inter.	361			
Casing—Driller	7" @ 359	@	@	@
Casing—Welex	361			
Bit Size	6 1/4			
Type Fluid in Hole	LIGNITE			
Dens. | Visc.	75 | 46	|	|	|
pH | Fluid Loss	9.0 | 4.4ml	| ml	| ml	| ml
Source of Sample	PIT			
R_m @ Meas. Temp.	2.00 @ 68°F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	1.88 @ 62°F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	2.30 @ 60°F	@ °F	@ °F	@ °F
Source R_{mf} R_{mc}	MEASURED	|	|	|
R_m @ BHT	1.15 @118°F	@ °F	@ °F	@ °F
Time Since Circ.	3 HRS.			
Max. Rec. Temp.	118°F@ BHT	°F@	°F@	°F@
Equip. | Location	9430 | WDLND	|	|	|
Recorded By	MR. DOVE			
Witnessed By	MR. BRUER			

Fold Here

Service Ticket No. 006828 Remarks:

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}	|	|
R_m @ BHT	1.15 @ 118°F	@ °F
R_{mf} BHT	0.98 @ 118°F	@ °F
R_{mc} BHT	1.16 @ 118°F	@ °F

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

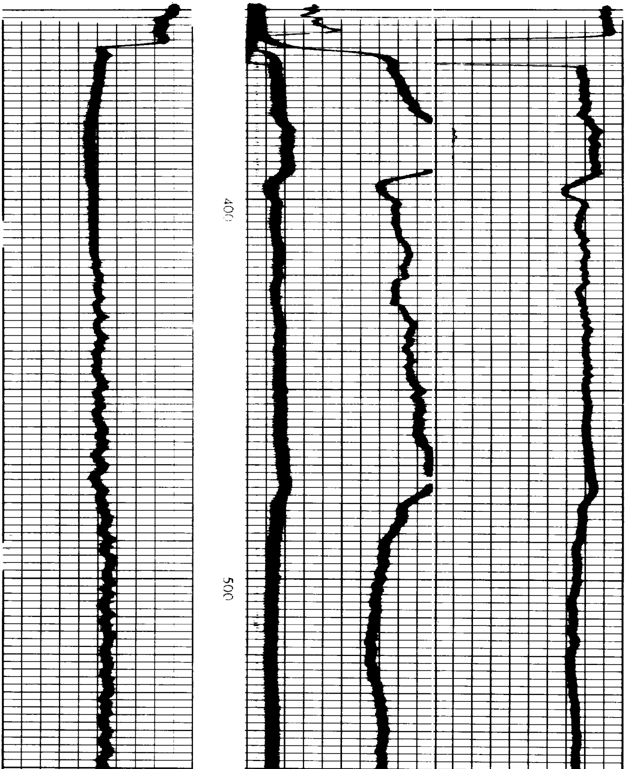
EQUIPMENT DATA

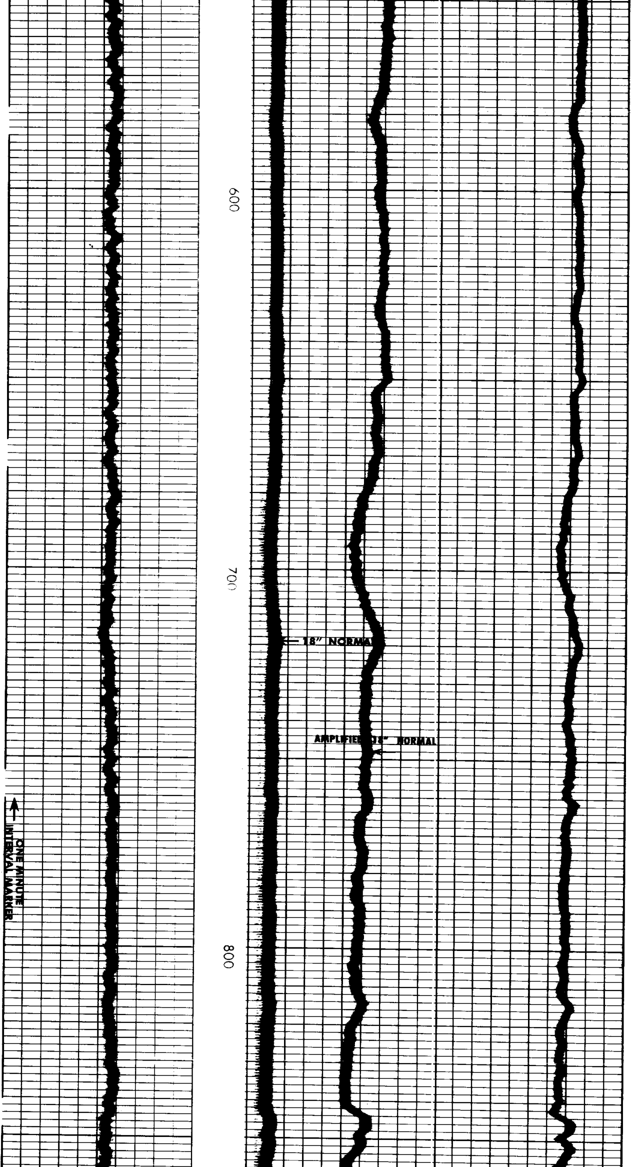
Run No.	Tool Type and No.	Pad Type	Tool Position	Other
ONE	IEL 11242	-	FREE	(6 1/4" BIT

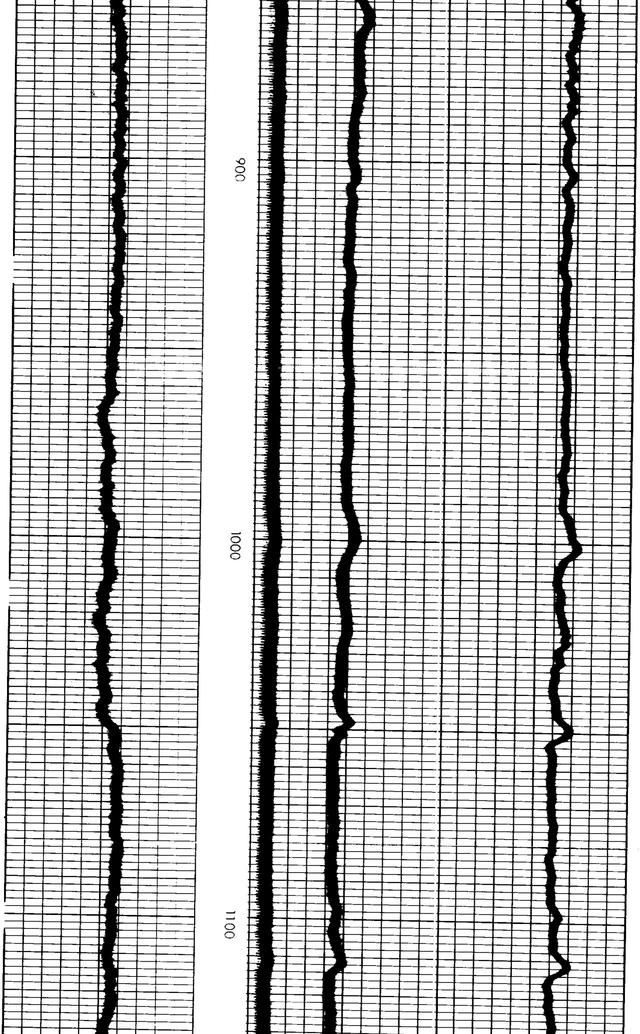
Welex does not guarantee the accuracy of any interpretation of log data, conversion of log data to physical rock parameters, or recommendations which may be given by Welex personnel or which may appear on the log or in any other form. Any user of such data, interpretations, conversions, or recommendations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

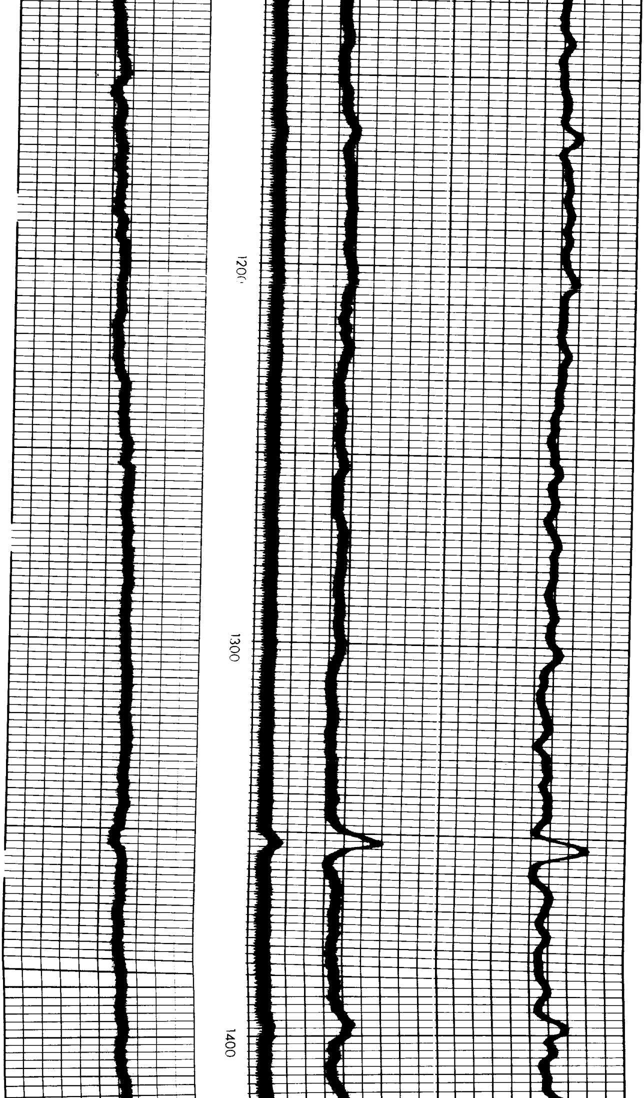
5" = 100'

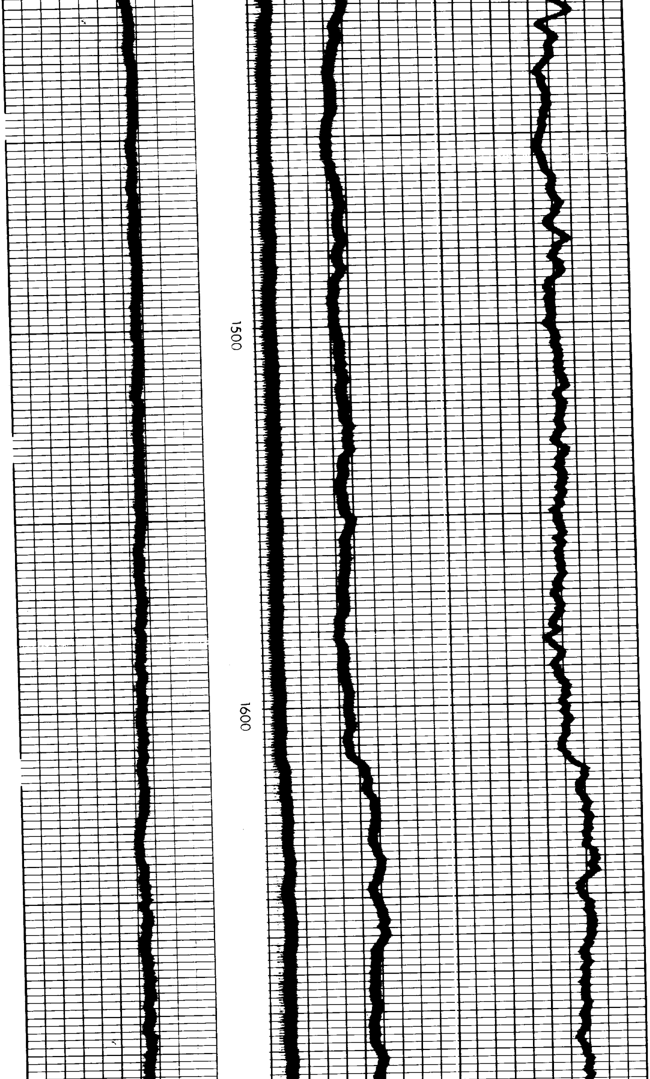
POTENTIAL MILLIVOLTS	RESISTIVITY OHMS M²/M	CONDUCTIVITY M MHOS/M
− → 10 ← +	0 18" Normal 30	1000 Induction 0
	0 O.S. 300	2000 O.S. 1000
Rmf 0.98 at 118 °F.	0 18" AMPL. NORMAL 6	
	0 Induction 30	
	0 O.S. 300	

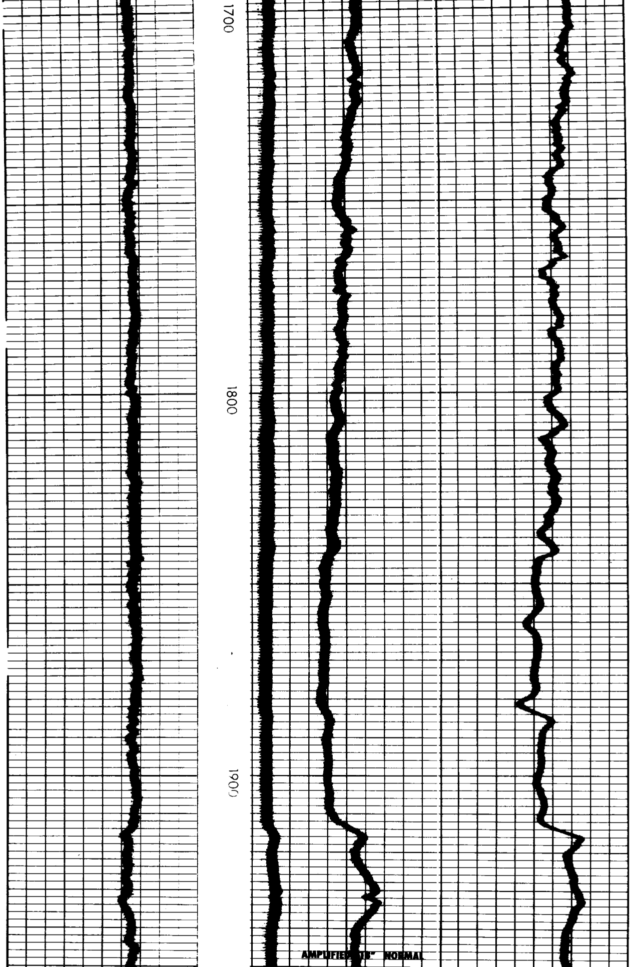


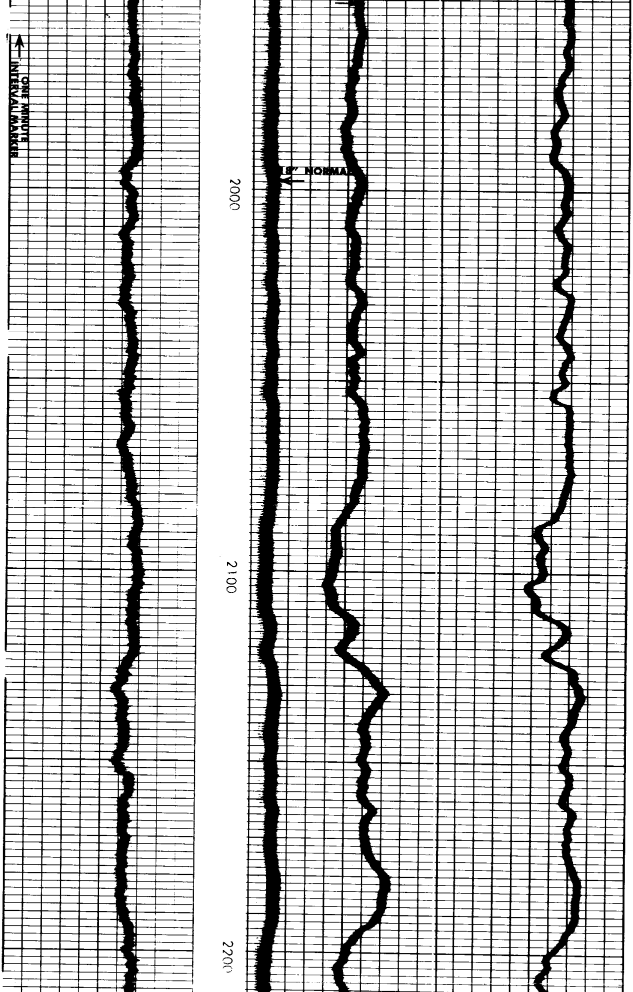


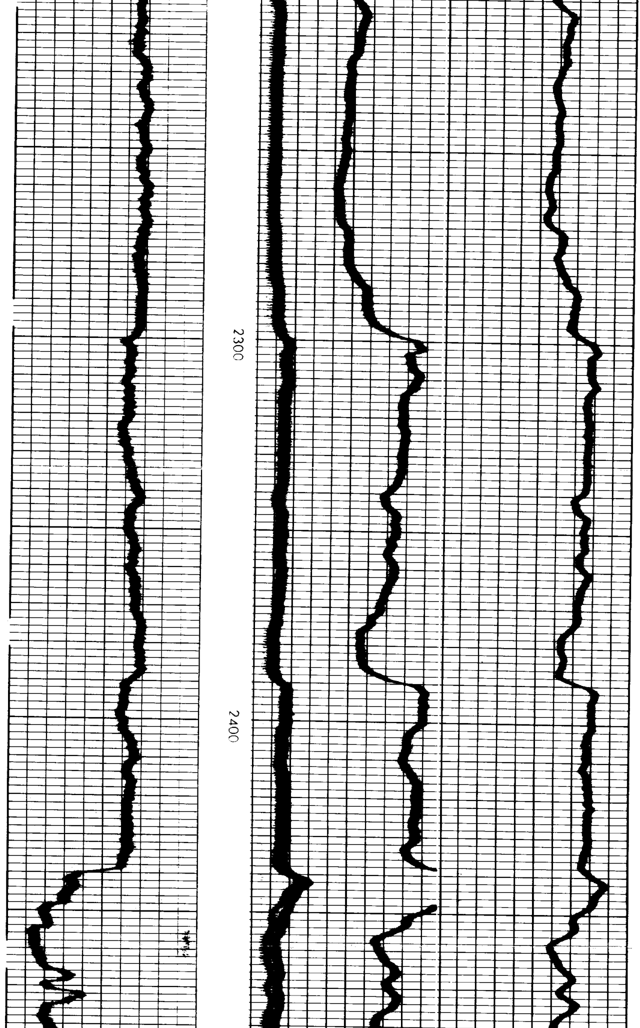


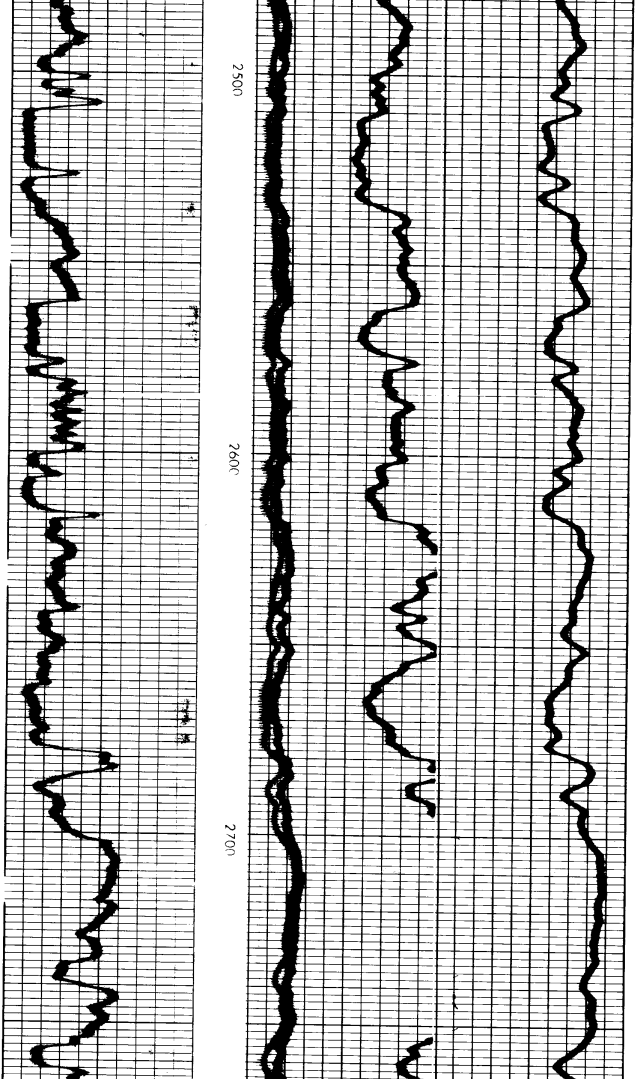


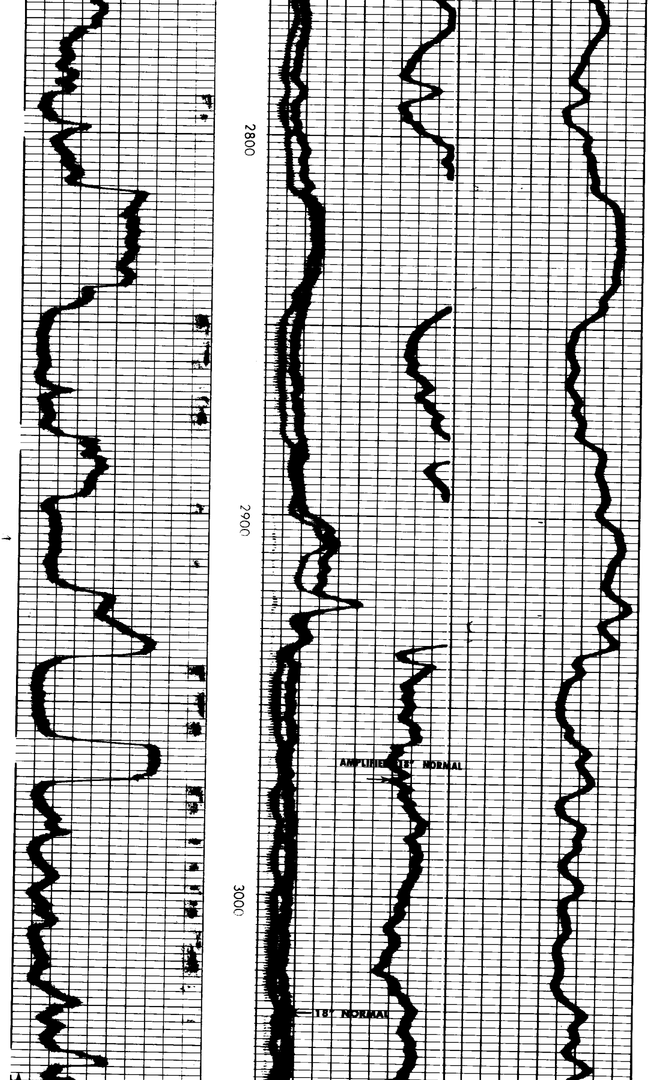


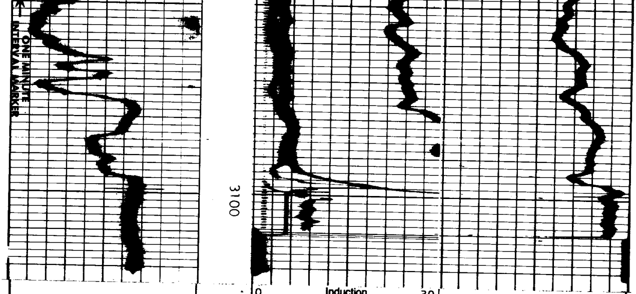












	0 Induction 30	
	0 O.S. 300	
Rmf 0.98 at 118 °F.	0 18" Normal 30	
	0 O.S. 300	1000 Induction 0
— → 5 ← +	0 18" AMPL. NORMAL 6	2000 O.S. 1000
→ **POTENTIAL MILLIVOLTS**	**RESISTIVITY OHMS M^2/M**	**CONDUCTIVITY M MHOS/M**

REICHHOLD ENERGY CORPORATION
COLUMBIA COUNTY NO. 1
NEHALEM BASIN
COLUMBIA COUNTY, OREGON

T.D. LOGGED	3099
T.D. DRILLER	3111
T.D. WELEX	3105