**Welex**
5"=100'

# COMPENSATED ACOUSTIC VELOCITY LOG

COMPANY REICHHOLD ENERGY CORP.
WELL HAMMERBERG NO.1 R/D NO. 1
FIELD NEHALEM BASIN
County COLUMBIA State CA.

COMPANY REICHHOLD ENERGY CORPORATION
WELL HAMMERBERG NO. 1 REDRILL NO. 1
FIELD NEHALEM BASIN
COUNTY COLUMBIA STATE OREGON
Location 209' NORTH & 612' WEST OF THE EAST QUARTER CORNER OF: (W.B.& M)
Sec. 14 Twp. 6N Rge. 5W
Other Services: IEL DIP

Permanent Datum GL Elev. 553.6
Log Measured From KB OR 10.5 Ft. Above Perm. Datum
Drilling Measured From KB
Elev.: K.B. 564.1
D.F. -
G.L. 553.6

| | | | | |
|---|---|---|---|---|
| Date | 9-20-79 | | | |
| Run No. | ONE | | | |
| Depth—Driller | 3318 | | | |
| Depth—Welex | 3318 | | | |
| Btm. Log Inter. | 3315 | | | |
| Top Log Inter. | 460 | | | |
| Casing—Driller | 7 @ 398 | @ | @ | @ |
| Casing—Welex | 400 | | | |
| Bit Size | 6 1/4 | | | |
| Type Fluid in Hole | LIGNO SULF | | | |
| Dens. I Visc. | 78 I 40 | I | I | I |
| pH I Fluid Loss | 9.0 I 16.0ml | I ml | I ml | I ml |
| Source of Sample | PIT | | | |
| $R_m$ @ Meas. Temp. | 2.48 @80 °F | @ °F | @ °F | @ °F |
| $R_{mf}$ @ Meas. Temp. | 2.24 @76 °F | @ °F | @ °F | @ °F |
| $R_{mc}$ @ Meas. Temp. | 3.00 @76 °F | @ °F | @ °F | @ °F |
| Source $R_{mf}$ $R_{mc}$ | MEASURED | I | I | I |
| $R_m$ @ BHT | 1.69 @117°F | @ °F | @ °F | @ °F |
| Time Since Circ. | 4 1/4 HOURS | | | |
| Max. Rec. Temp. | 117°F @BHT | °F @ | °F @ | °F @ |
| Equip. I Location | 9430 I WDLND | I | I | I |
| Recorded By | KENNEDY | | | |
| Witnessed By | FRY, BURNIE, CLARE | | | |

Fold Here

Service Ticket No. 06897 Remarks:

Change in Mud Type or Additional Samples

| | | |
|---|---|---|
| Date I Sample No. | I | I |
| Depth—Driller | | |
| Type Fluid in Hole | | |
| | | |
| Dens. I Visc. | I | I |
| ph I 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: $R_{mf}$ I $R_{mc}$ | I | I |
| $R_m$ @ BHT | 1.69 @ 117°F | @ °F |
| $R_{mf}$ BHT | 1.45 @ 117°F | @ °F |
| $R_{mc}$ BHT | 1.94 @ 117°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 | C/AVL 13918 | | FREE | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

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 shall not be responsible except where due to gross negligence or wilful misconduct, for any loss, damages, or expenses resulting from the use thereof.

5" = 100'

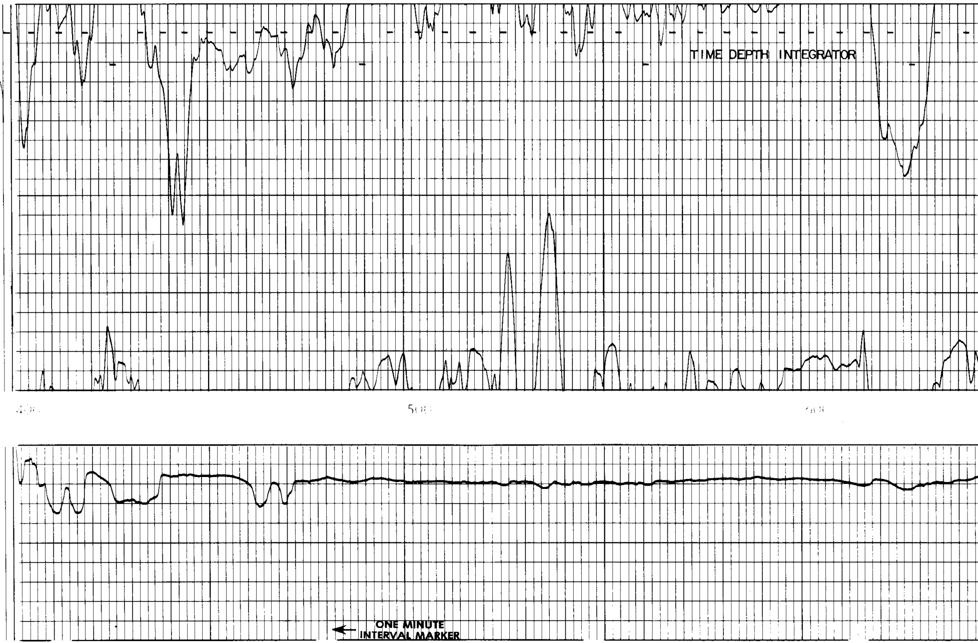
## POTENTIAL MILLIVOLTS

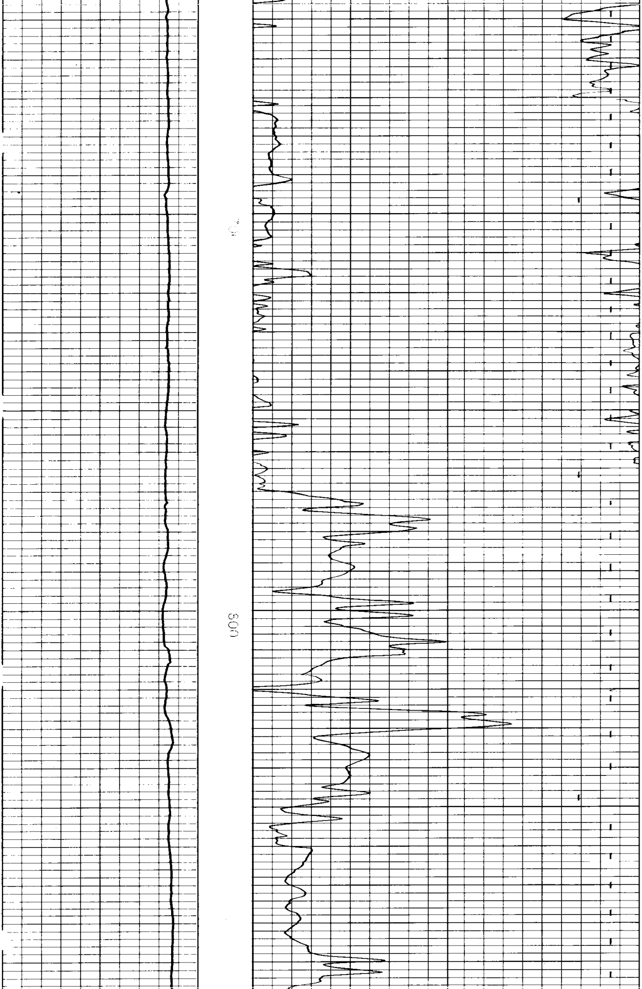
– → 10 ← +

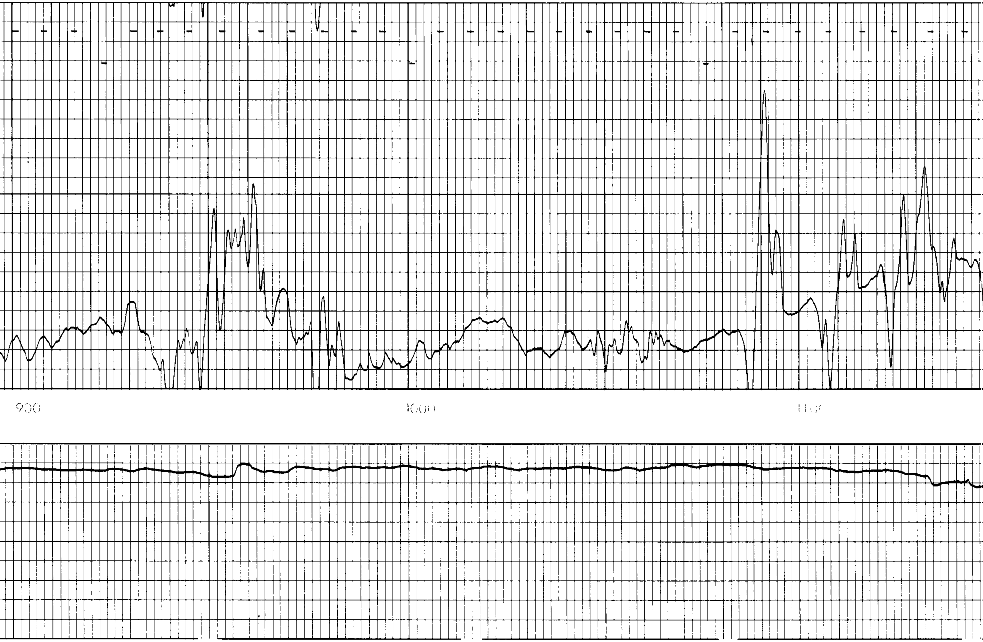
## TRAVEL TIME

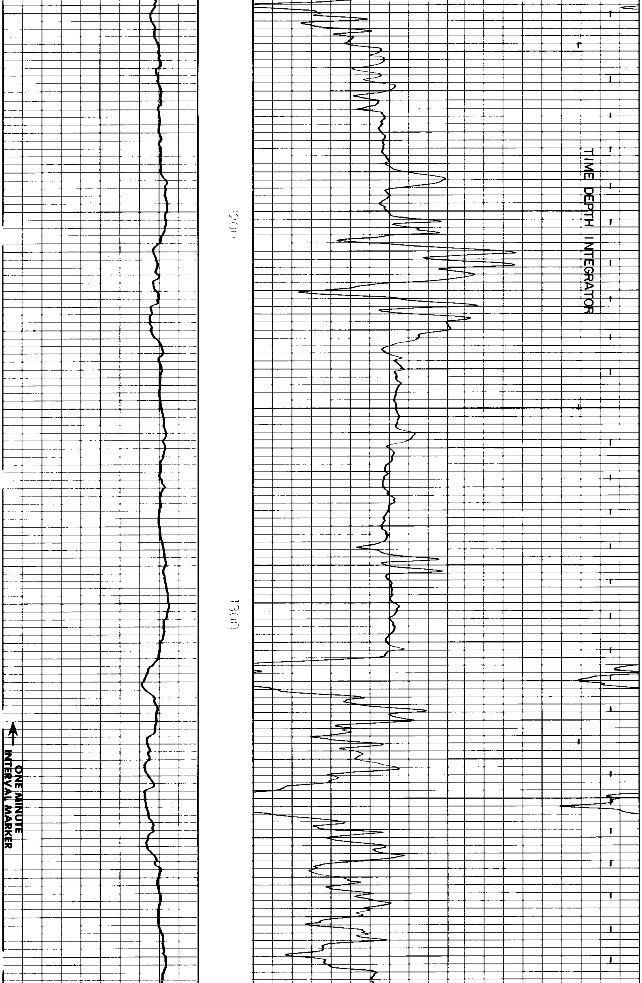
MICROSECONDS PER FT.
T 3' R₁ 3' R₂

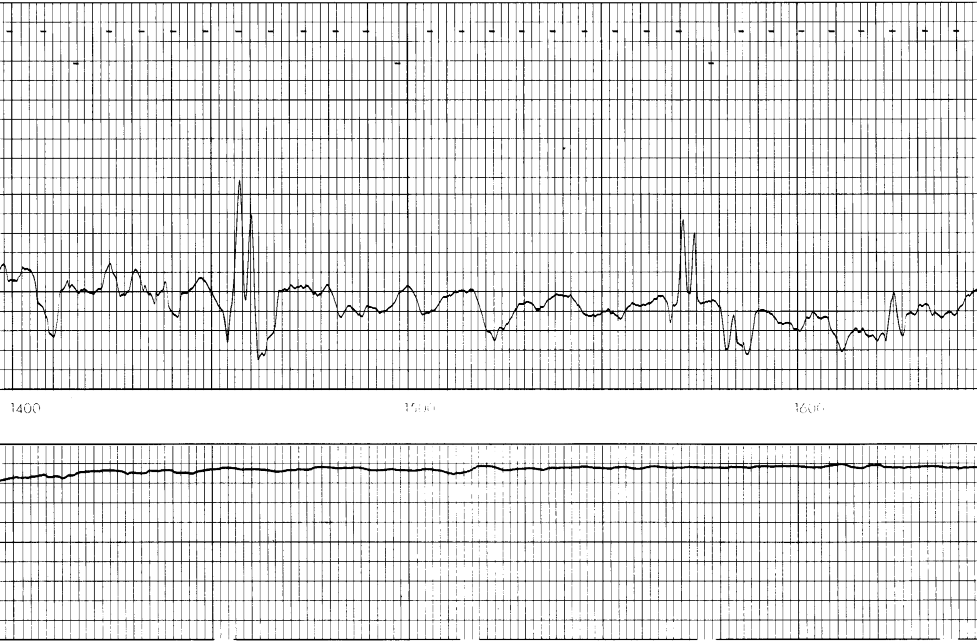
| | | |
|---|---|---|
| 250 | 200 | 150 |
| 150 | 100 | 50 |

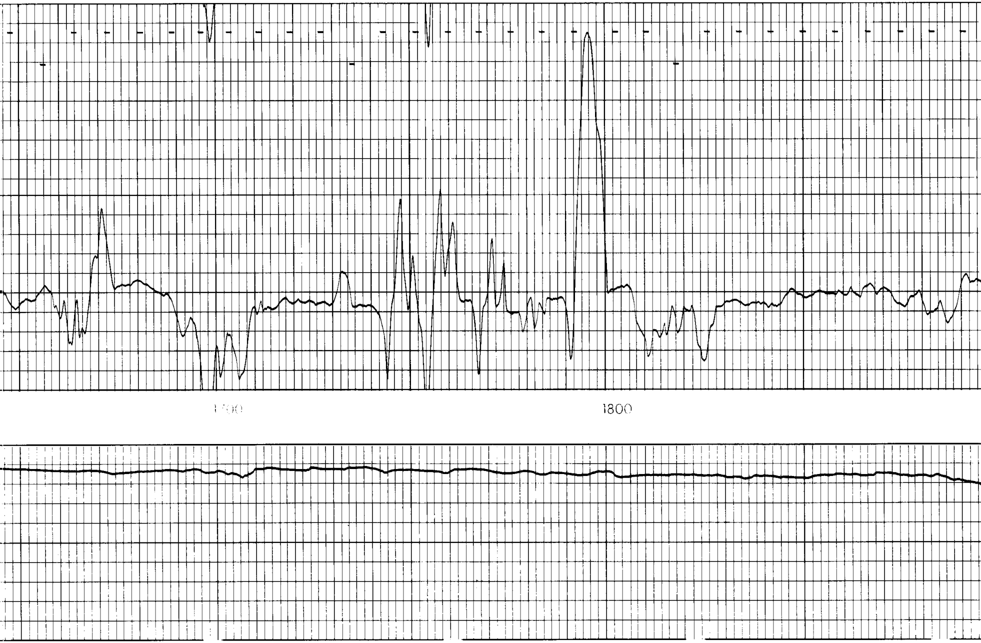


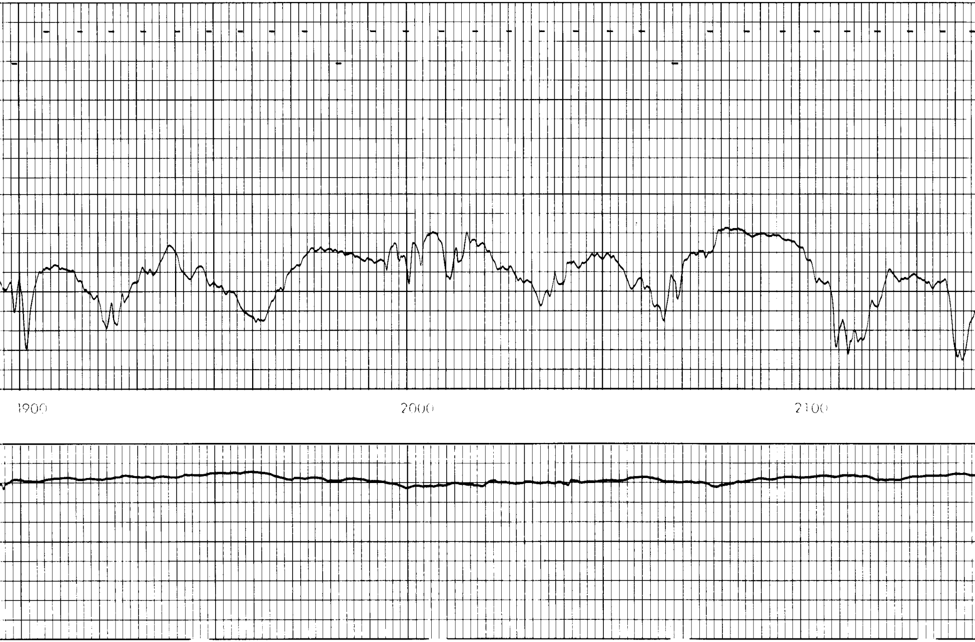


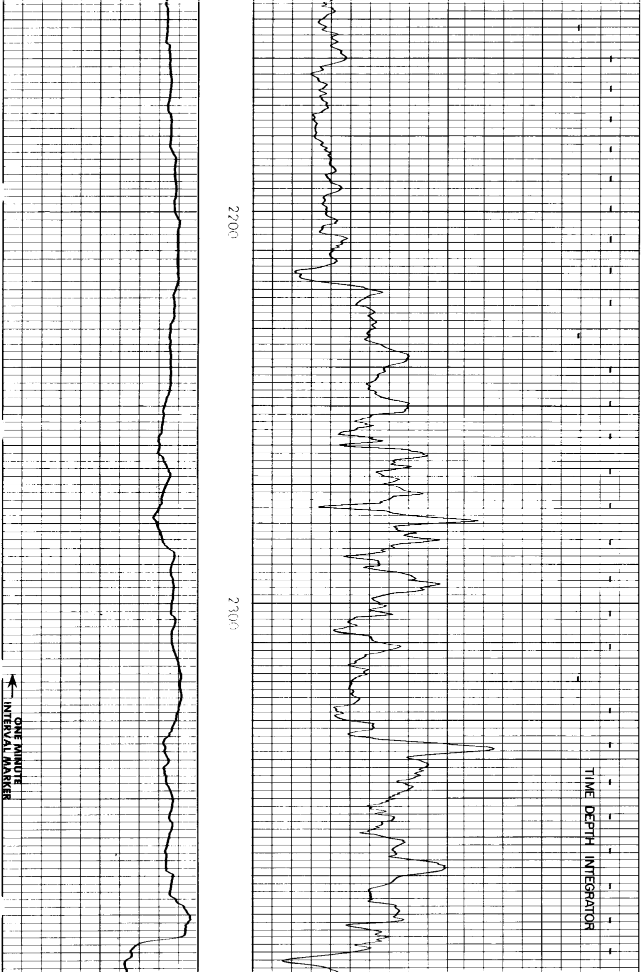


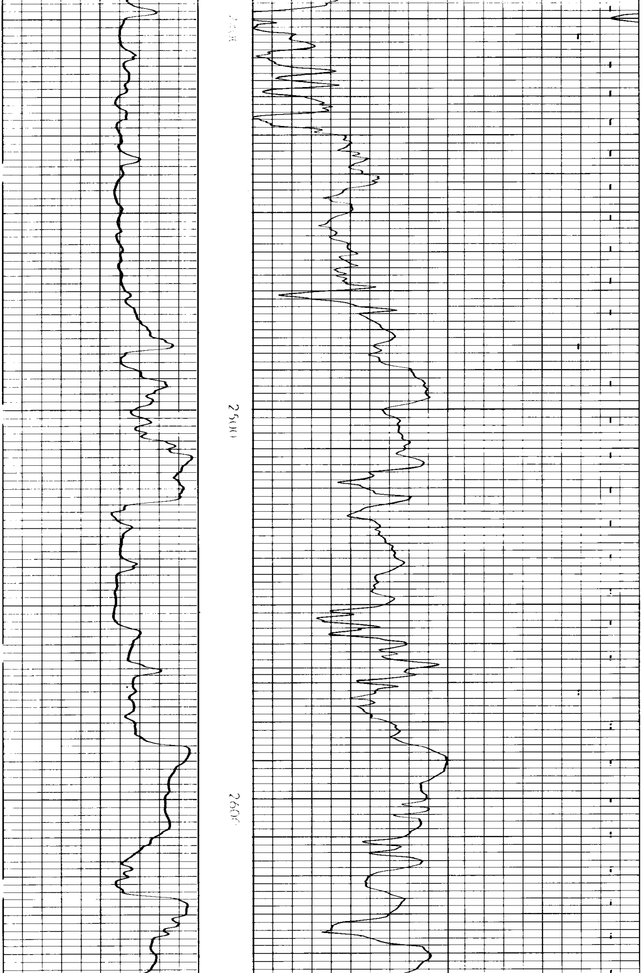


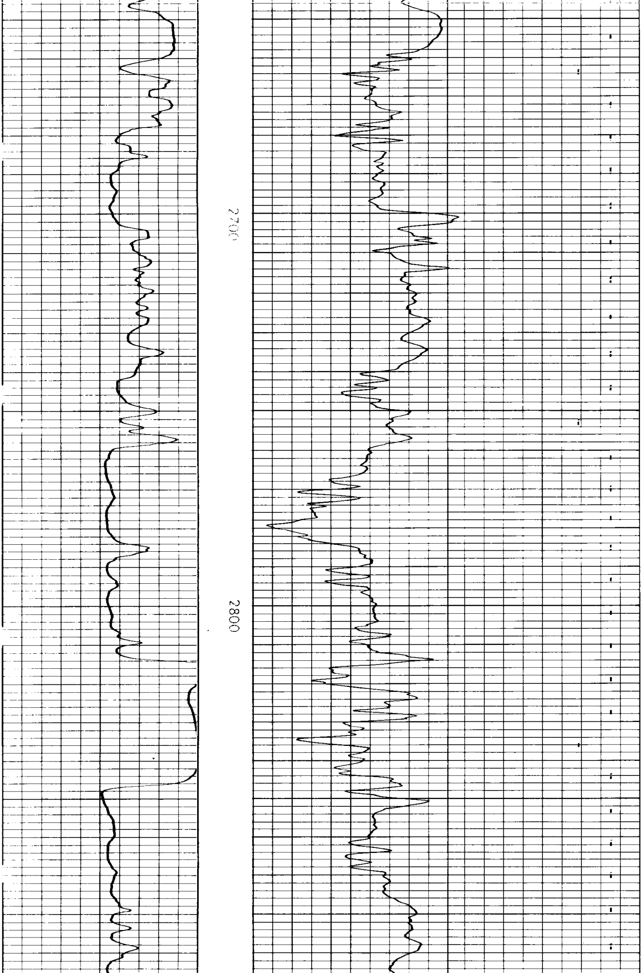


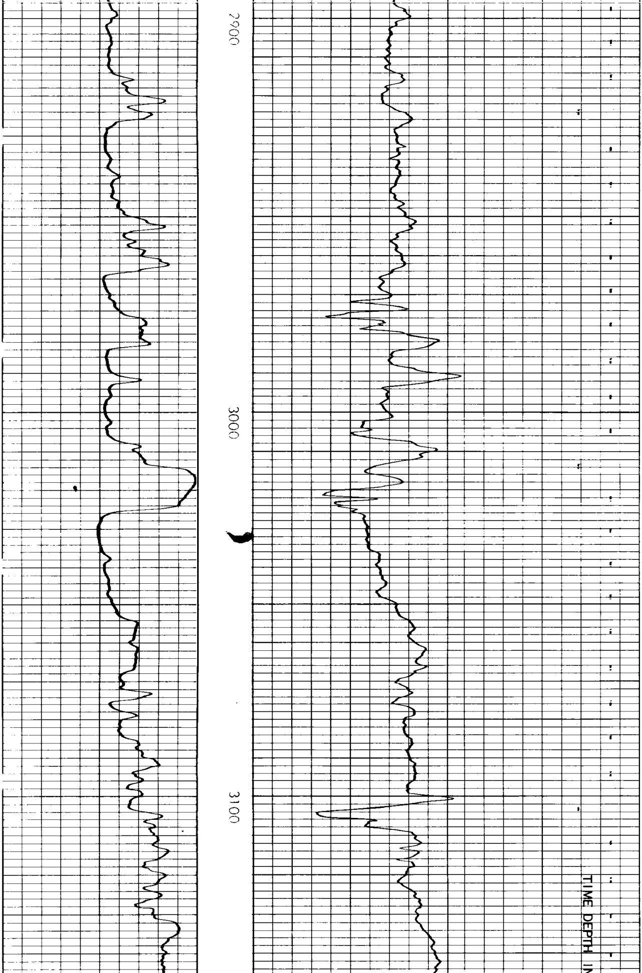


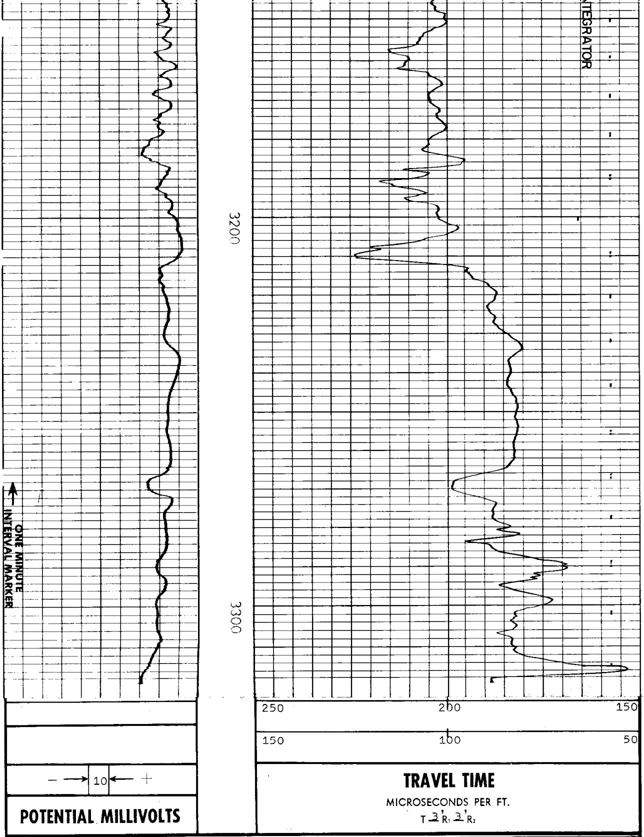












REICHHOLD ENERGY CORPORATION
HAMMERBERG NO. 1 REDRILL NO. 1
NEHALEM BASIN
COLUMBIA COUNTY, OREGON

T.D. LOGGED 3315
T.D. DRILLER 3318
T.D. WELEX 3318
ELEV: KB 564.1 GL 553.6