Schlumberger

DUAL INDUCTION-SFL
WITH LINEAR CORRELATION LOG

COUNTY COOS
FIELD WILDCAT
LOCATION 16-26S-13W
WELL WESTPORT NO. 1
COMPANY NORTHWEST EXPLORATION

COMPANY NORTHWEST EXPLORATION COMPANY

WELL WESTPORT NO. 1

FIELD WILDCAT- COOS BAY AREA

COUNTY COOS **STATE** OREGON

LOCATION 694'NORTH & 2136'WEST FROM THE SOUTHEAST CORNER OF:

API SERIAL NO.	SEC.	TWP	RANGE
	16	26S	13W

Other Services:
FDC/CNL/GR
FDC
BHC

Permanent Datum: GL ; **Elev.:** 552
Log Measured From KB 12.8 **Ft. Above Perm. Datum**
Drilling Measured From KB

Elev.: K.B. 564.8
D.F. --
G.L. 552.0

Date	6-25-80			
Run No.	ONE			
Depth—Driller	3700			
Depth—Logger (Schl.)	3692			
Btm. Log Interval	3682			
Top Log Interval	657			
Casing—Driller	$9\frac{5}{8}$" @ 660	@	@	@
Casing—Logger	657			
Bit Size	$8\frac{3}{4}$"			
Type Fluid in Hole	GEL-WATER			
Dens. | Visc.	9.1 | 40			
pH | Fluid Loss	9.0 | 12 ml	ml	ml	ml
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	3.29 @ 74 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	3.54 @ 62 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	3.79 @ 62 °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	M | M			
Rm @ BHT	2.54 @ 98 °F	@ °F	@ °F	@ °F
TIME Circulation Stopped	2400 6/24			
TIME Logger on Bottom	0930 6/25			
Max. Rec. Temp.	98 °F	°F	°F	°F
Equip. | Location	8126 | SAC			
Recorded By	KAISER			
Witnessed By	ROBERTSON			

FOLD HERE

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

Run No.	ONE			
Service Order No.	123142			
Fluid Level	FULL			
Salinity ppm. cl	--			
Speed F.P.M.	--			

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

EQUIPMENT DATA

Panel No.	232			
Cartridge No.	195			
Sonde No.	217			
Mem. Panel No.	--			
G.R. Panel No.	418			
G.R. Cart No.	2087			
Tape Recorder - (TTR)	--			
Depth Encoder - (DRE)	--			
Pressure Wheel - (CPM)	--			
Type Centralizers	FIN CME-7			
Stand Off - Inches	$1\frac{1}{2}$			

REMARKS

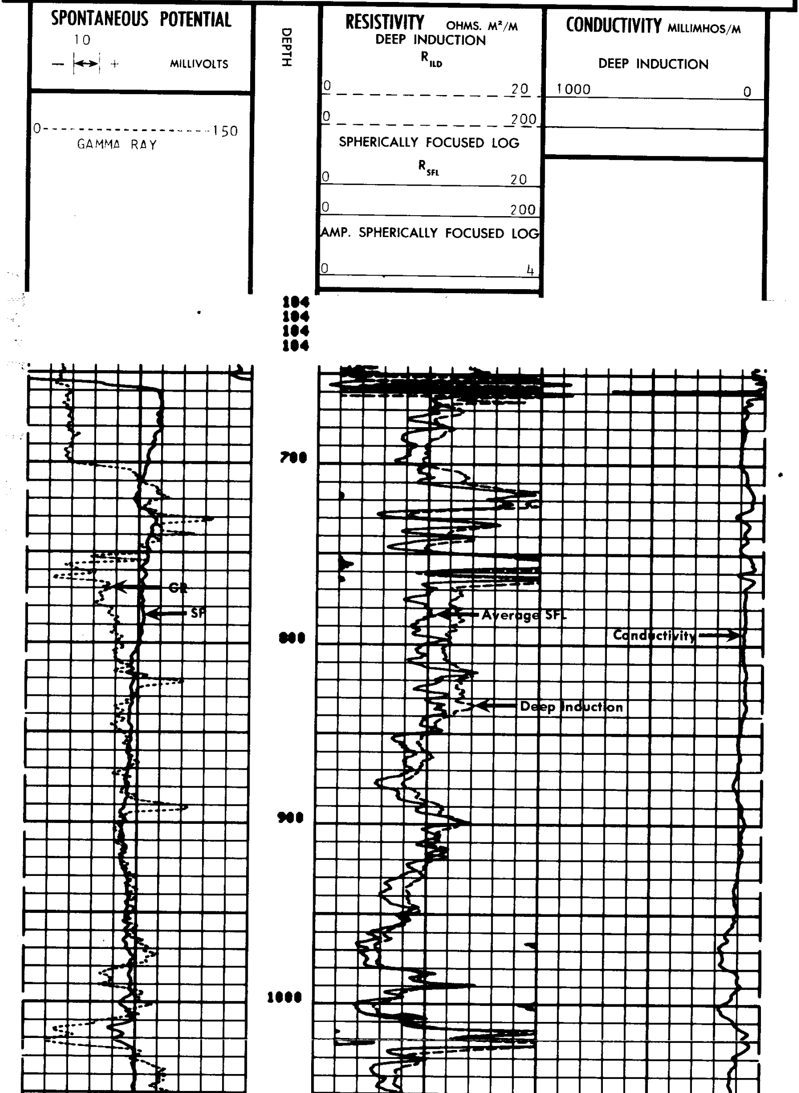
CALIBRATION DATA

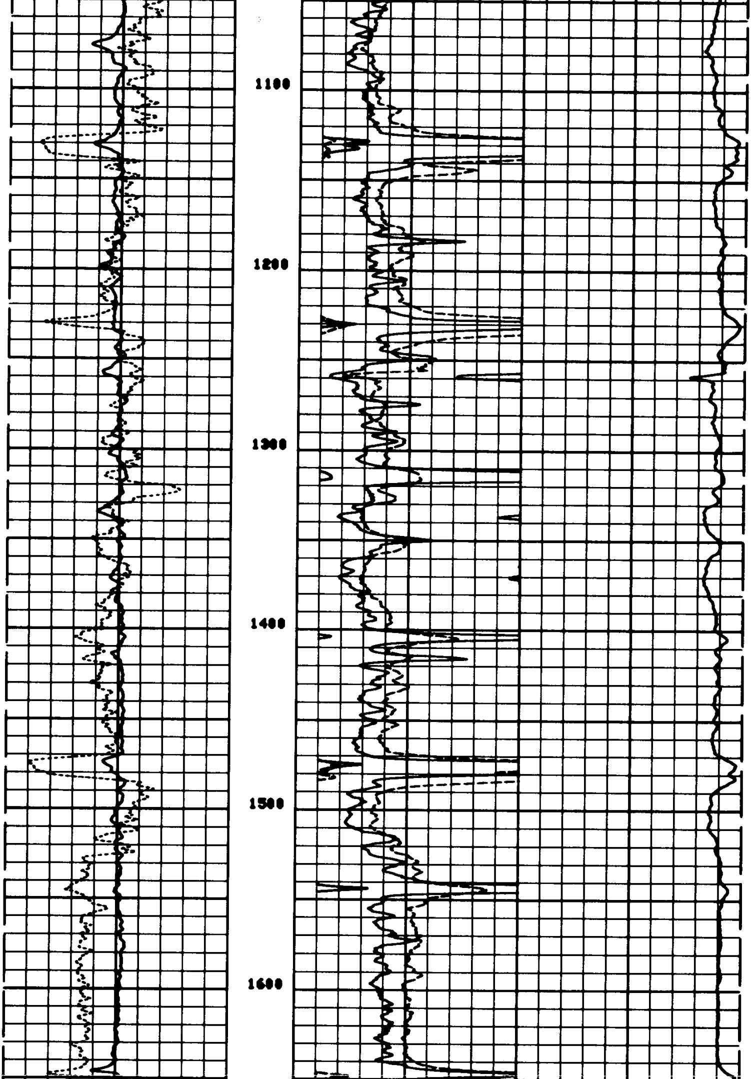
SBR	1			
Sonde Error - ILM	4.30			
Sonde Error - ILD	5.57			
G.R. BKG. - CPS.	27.9			
G.R. Source - CPS.	--			
S.E. Set In Hole - Depth	--			
S.E. Corr. - Hole Size	--			

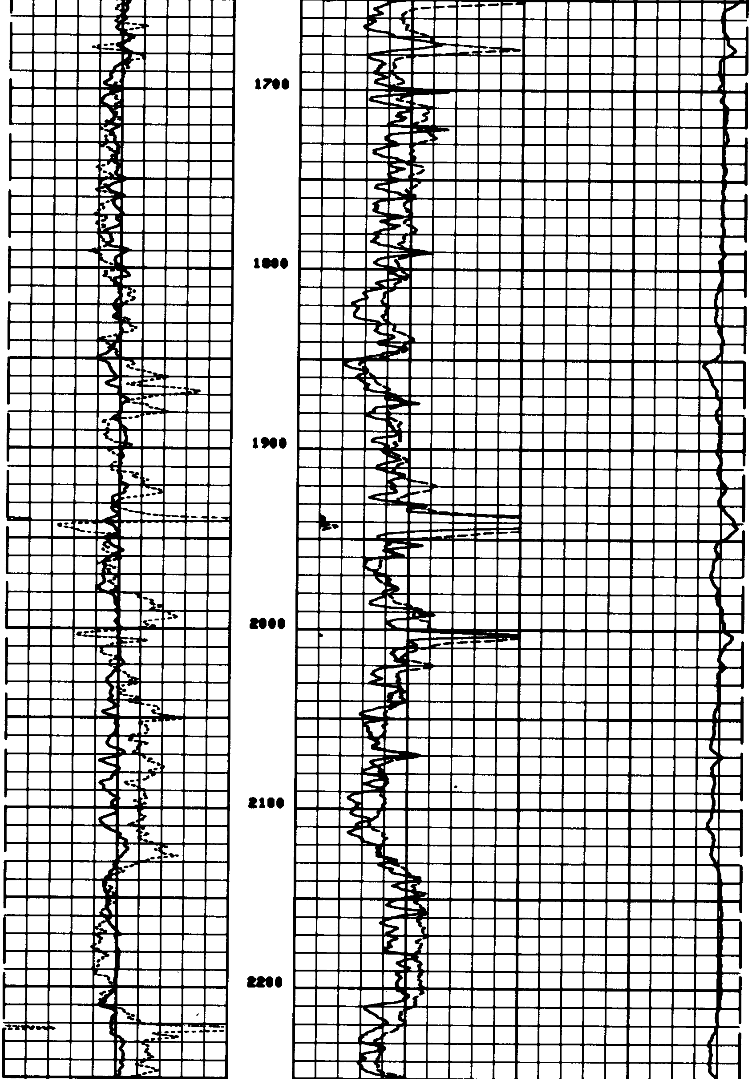
LOGGING DATA

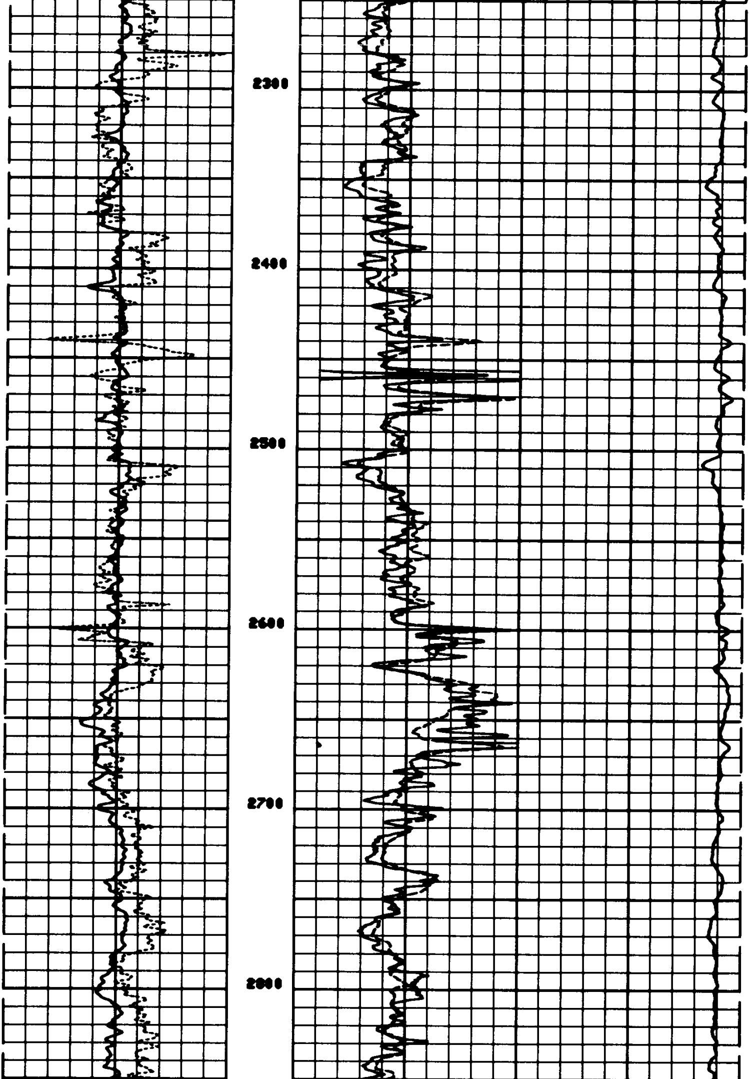
SBR	1			
Sonde Error Log - ILM	4.30			
Sonde Error Log - ILD	5.57			
G.R. Scale per 100 Div.	27.9			
G.R. - T.C. Log	--			
	-- °F	°F	°F	°F
	°F	°F	°F	°F
	°F	°F	°F	°F

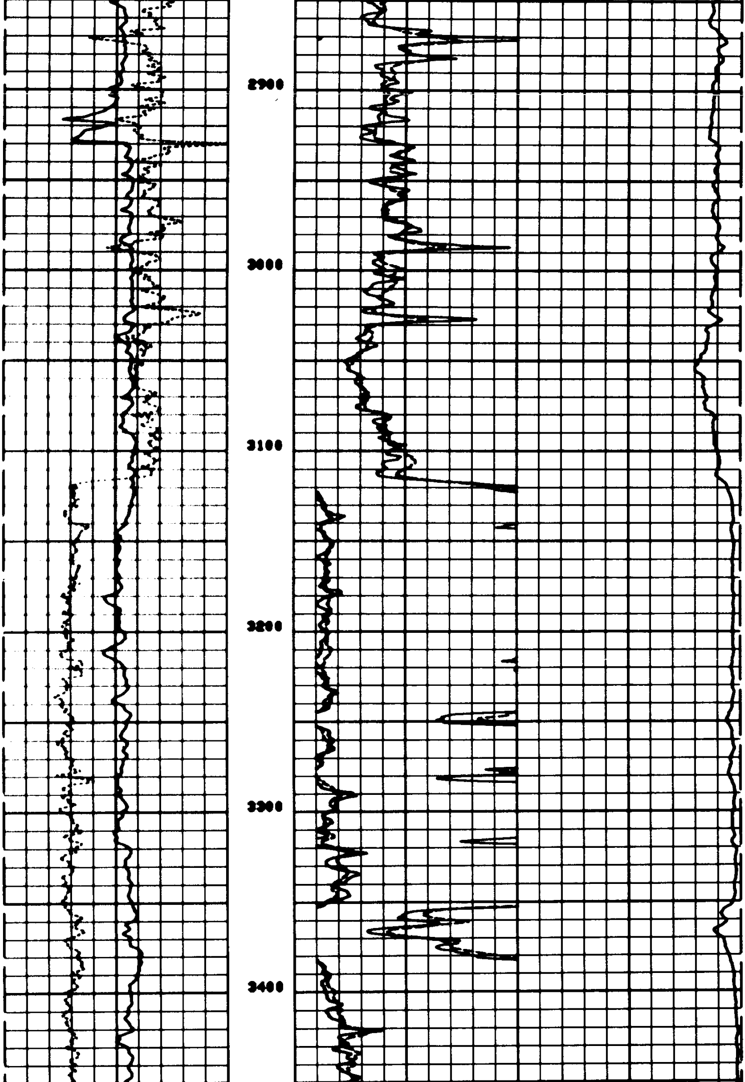
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our General Terms and Conditions as set out in our current Price Schedule.

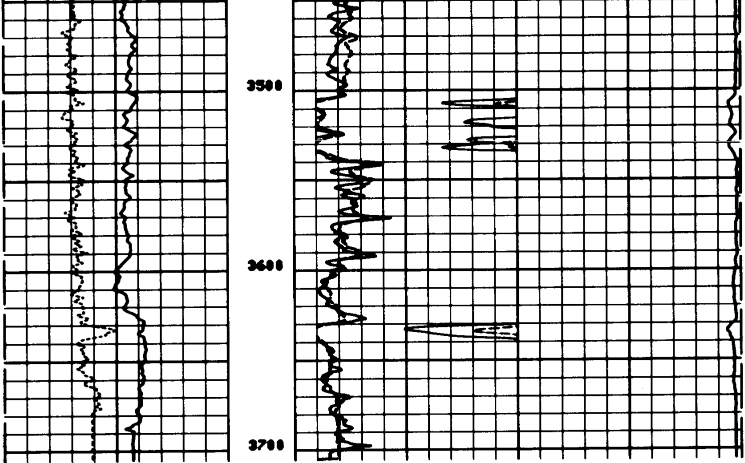












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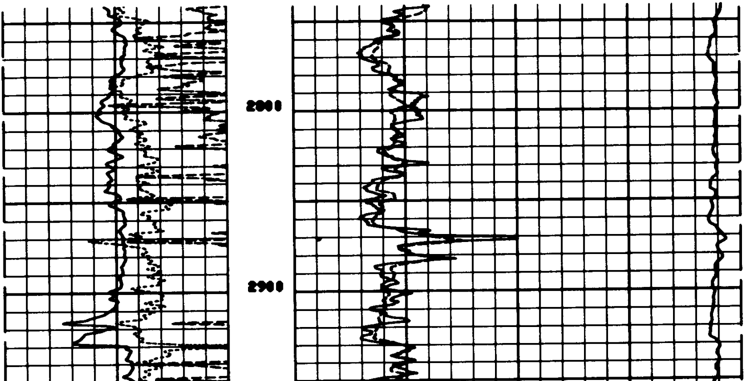
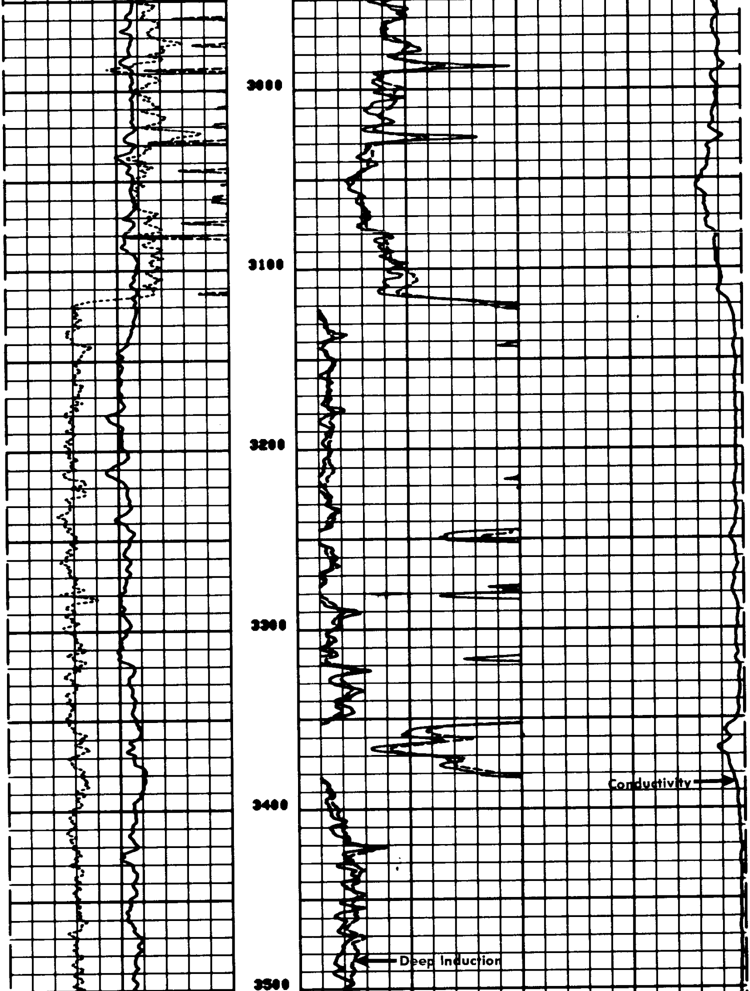
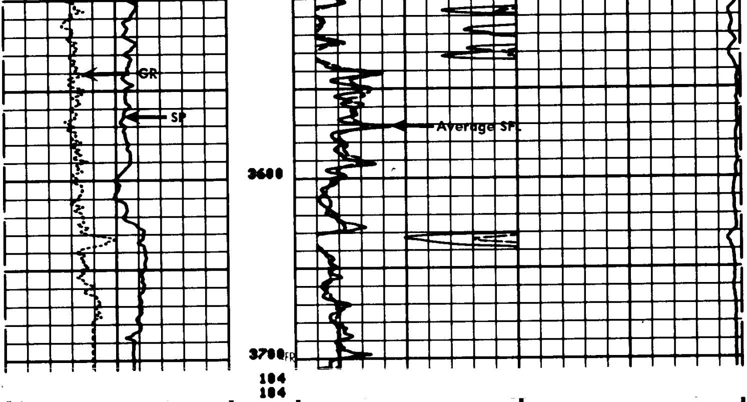






GAMMA RAY API UNITS

0 150

SPONTANEOUS-POTENTIAL

— 10 + MILLIVOLTS

DEPTH

RESISTIVITY OHMS. M^2/M

DEEP INDUCTION

R_{ILD}

0 20

0 200

SPHERICALLY FOCUSED LOG

R_{SFL}

0 20

0 200

AMP. SPHERICALLY FOCUSED LOG

0 4

CONDUCTIVITY MILLIMHOS/M

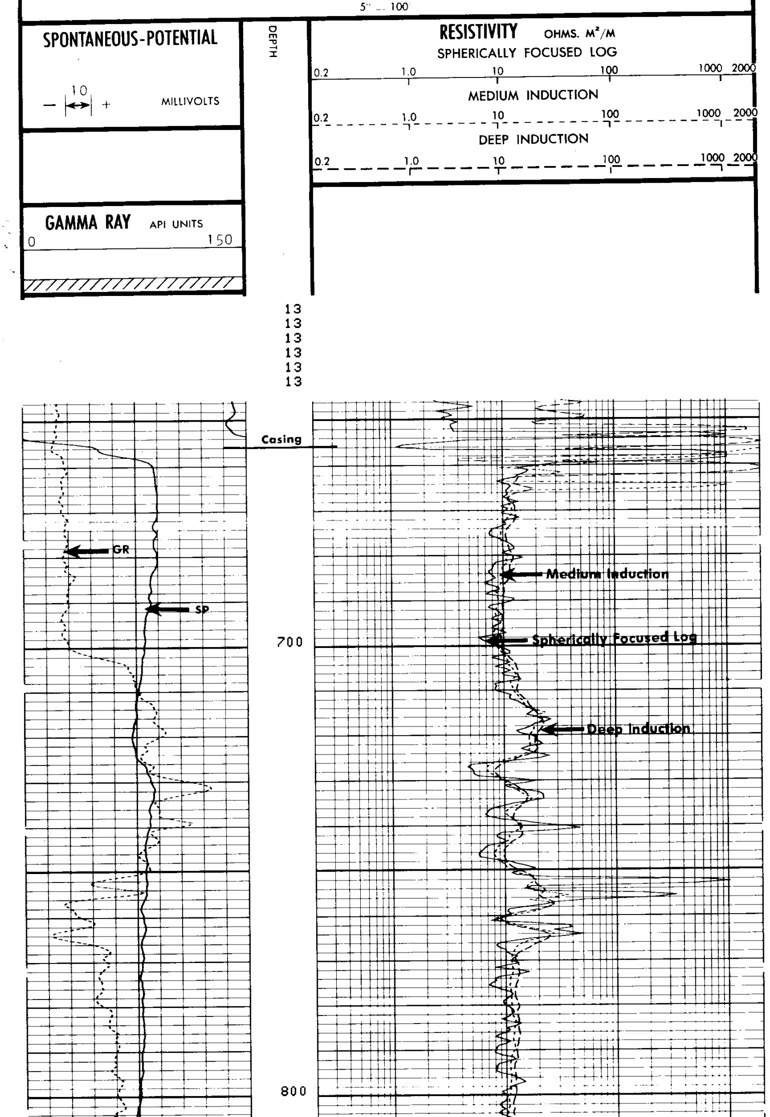
DEEP INDUCTION

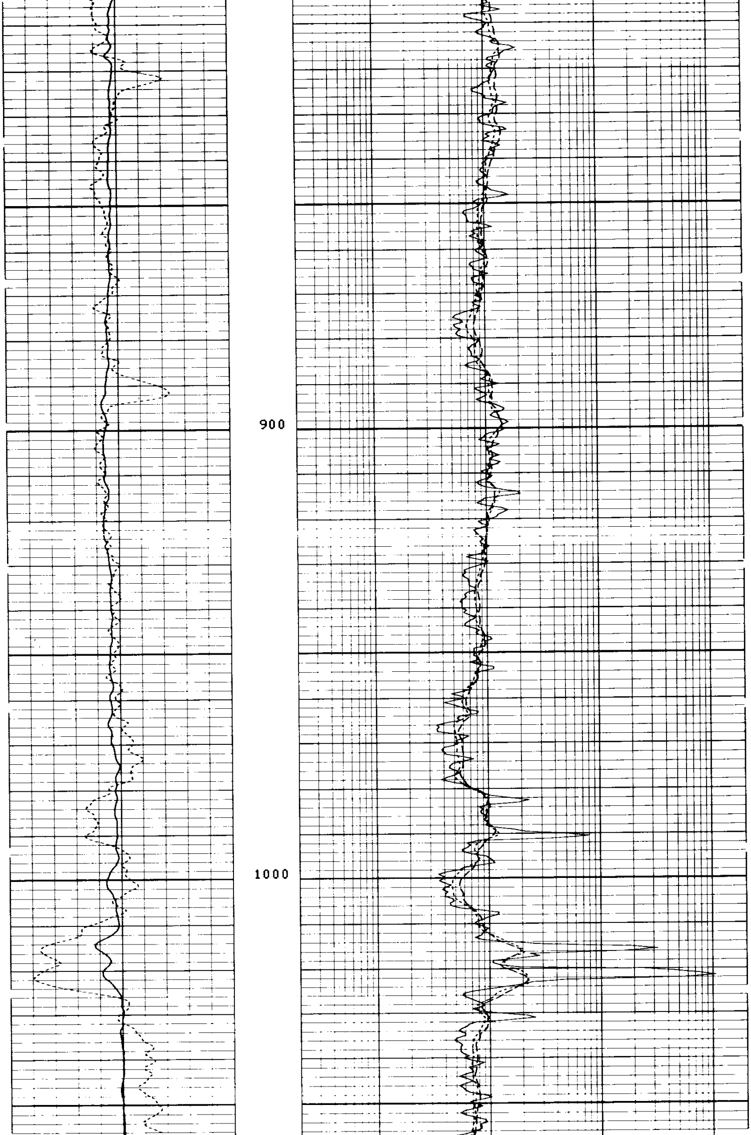
1000 0

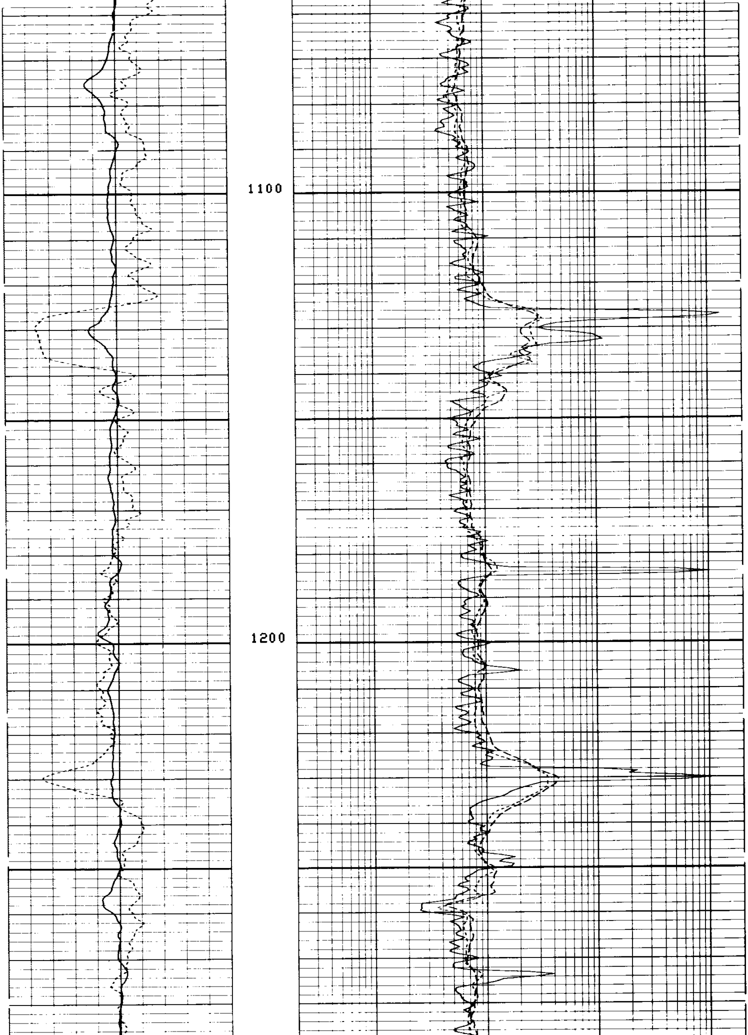
COMPANY NORTHWEST EXPLORATION COMPANY
WELL WESTPORT NO. 1
FIELD WILDCAT-COOS BAY AREA
COUNTY COOS STATE OREGON

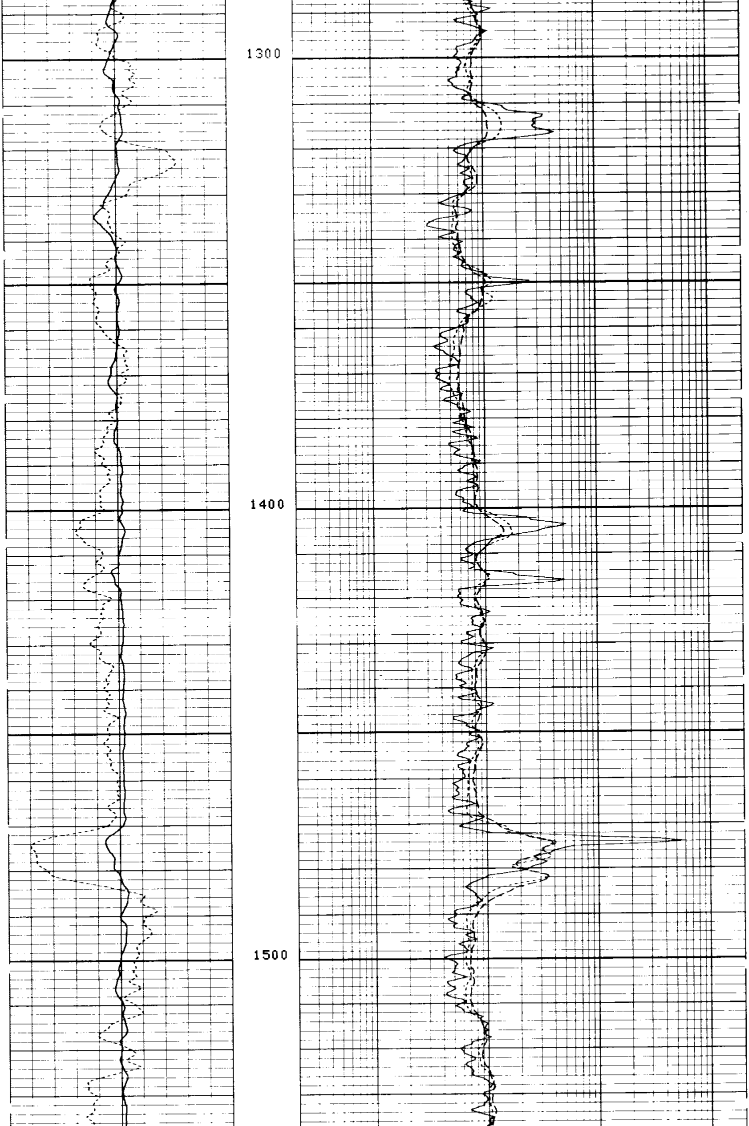
SCHL. FR 3682
SCHL. TD 3692
DRLR. TD 3700
Elev: KB 564.8
DF --
GL 552.0

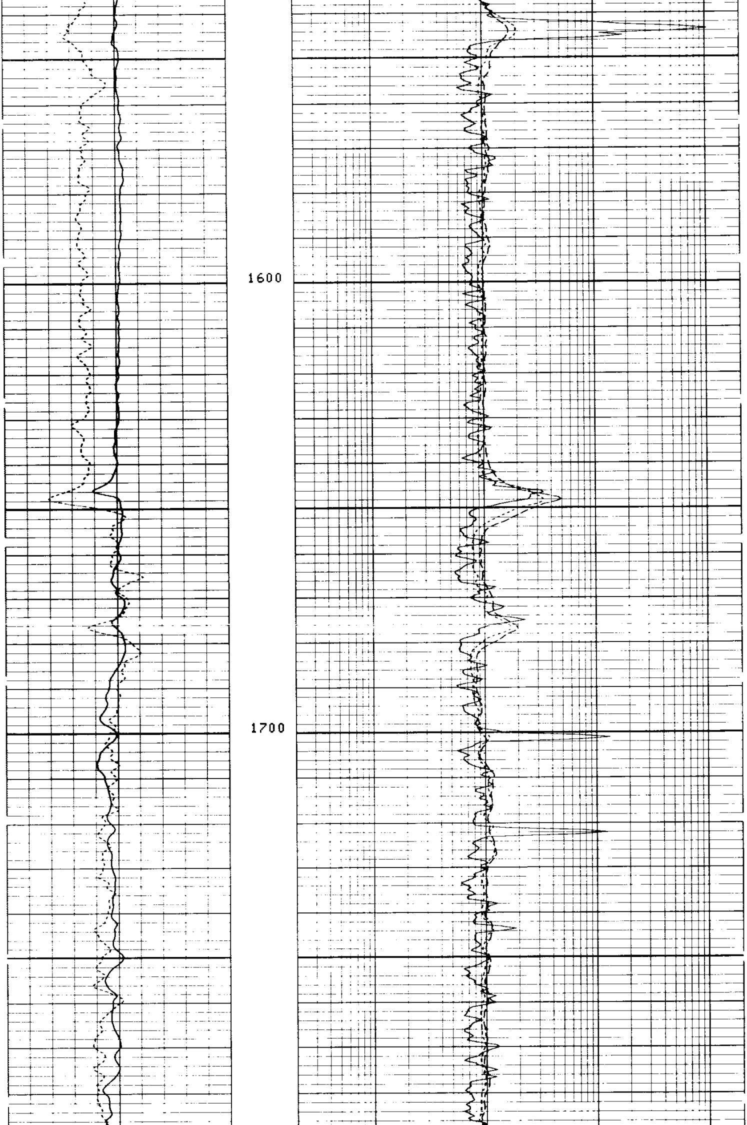
DETAIL LOG

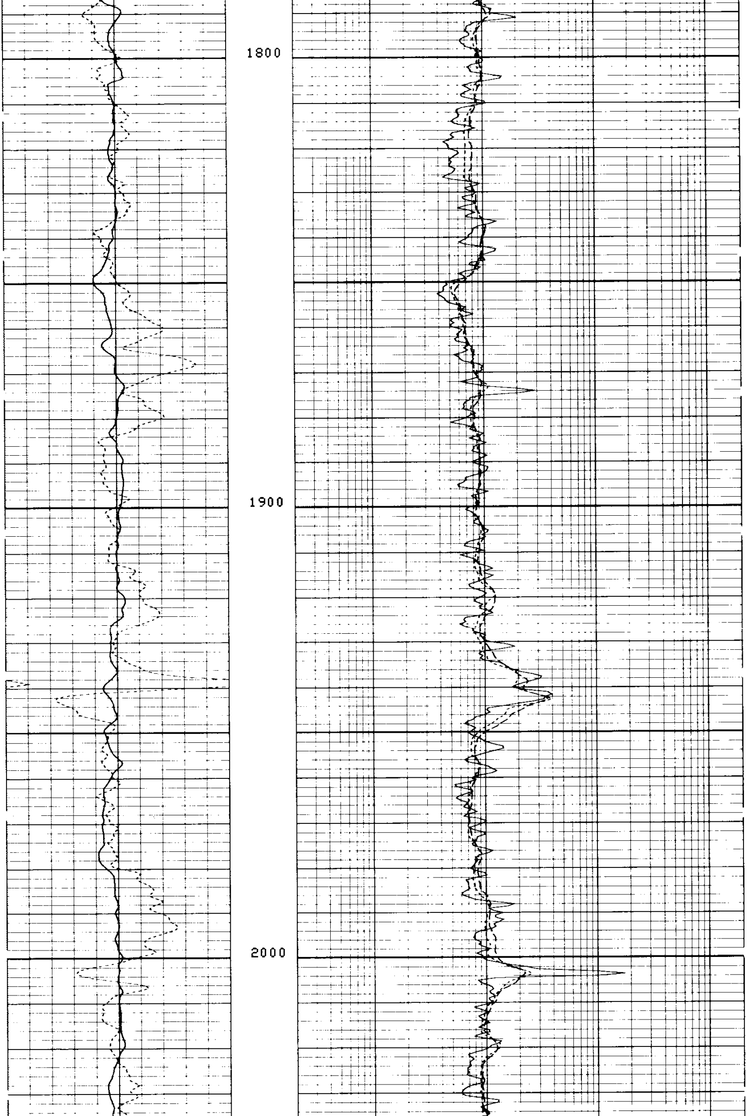


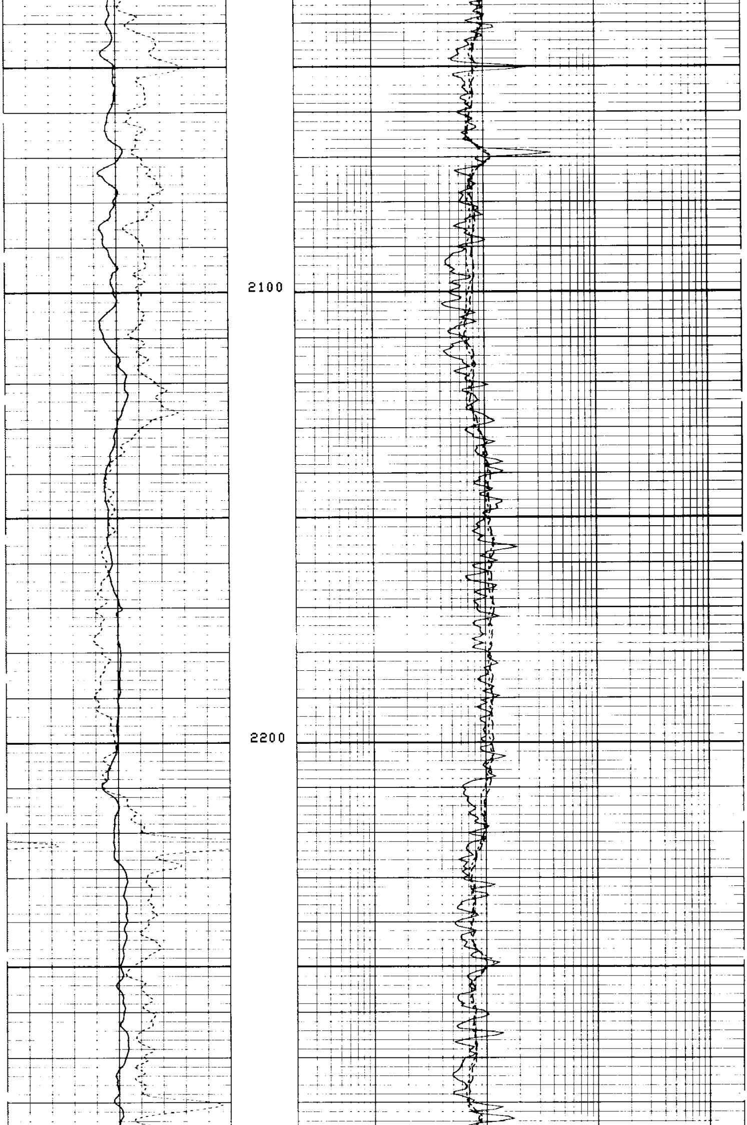


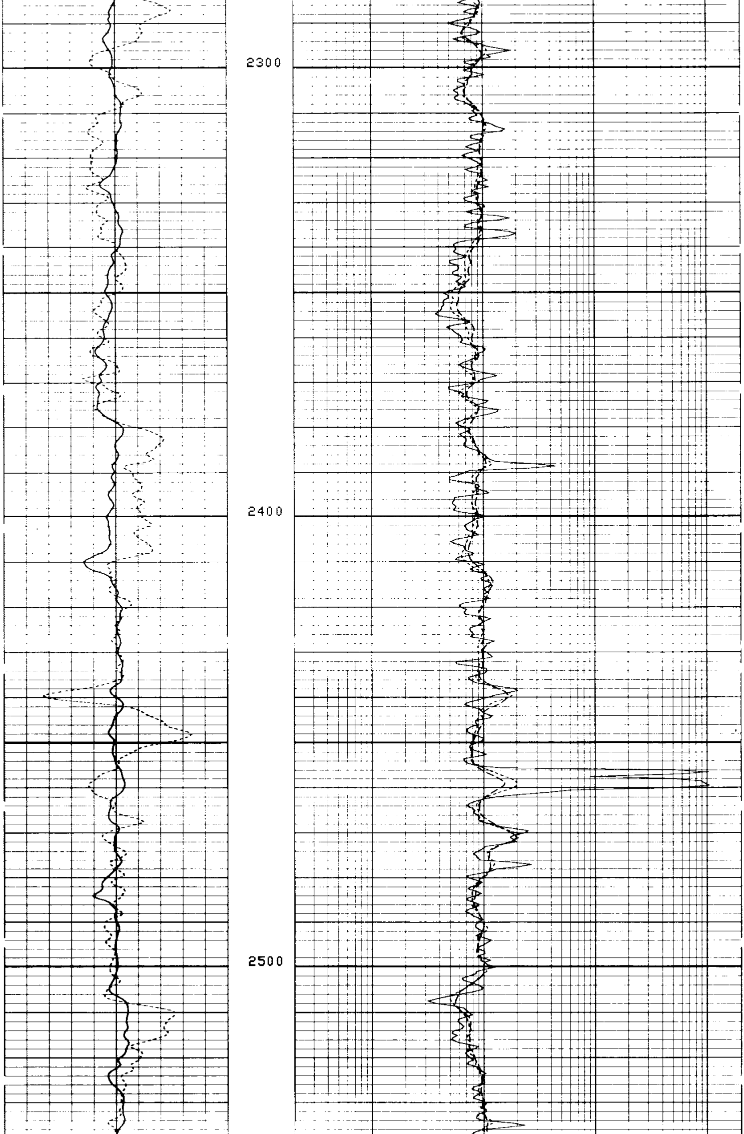


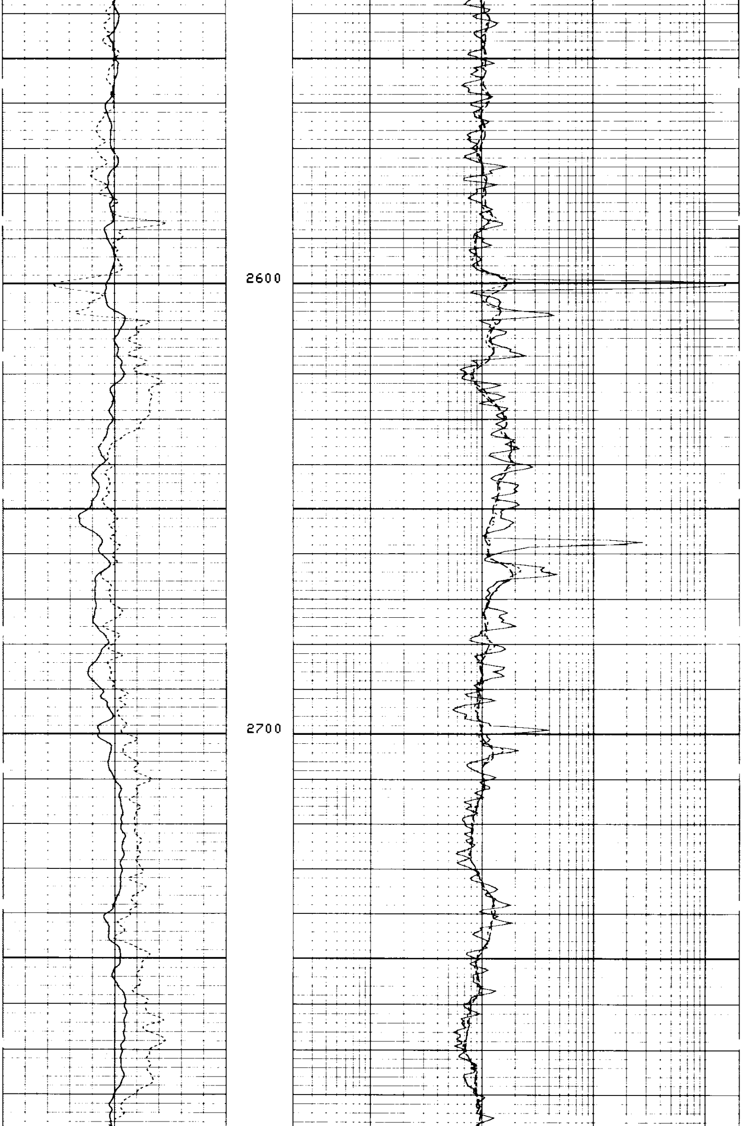


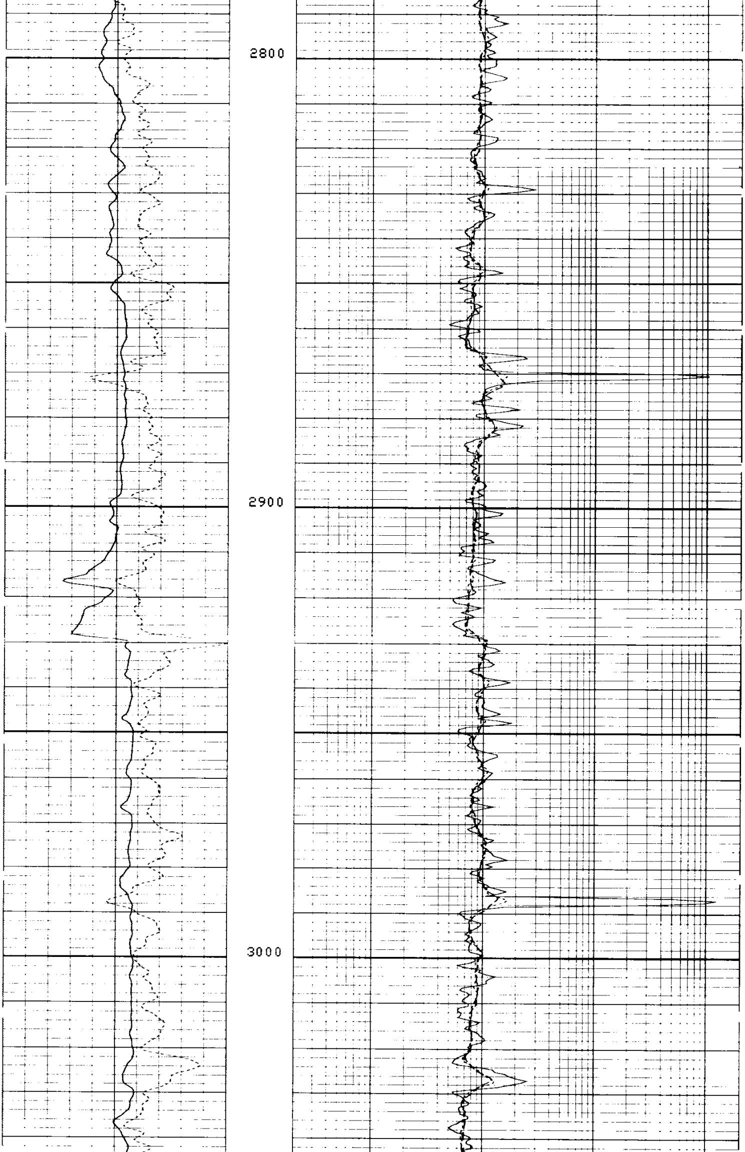


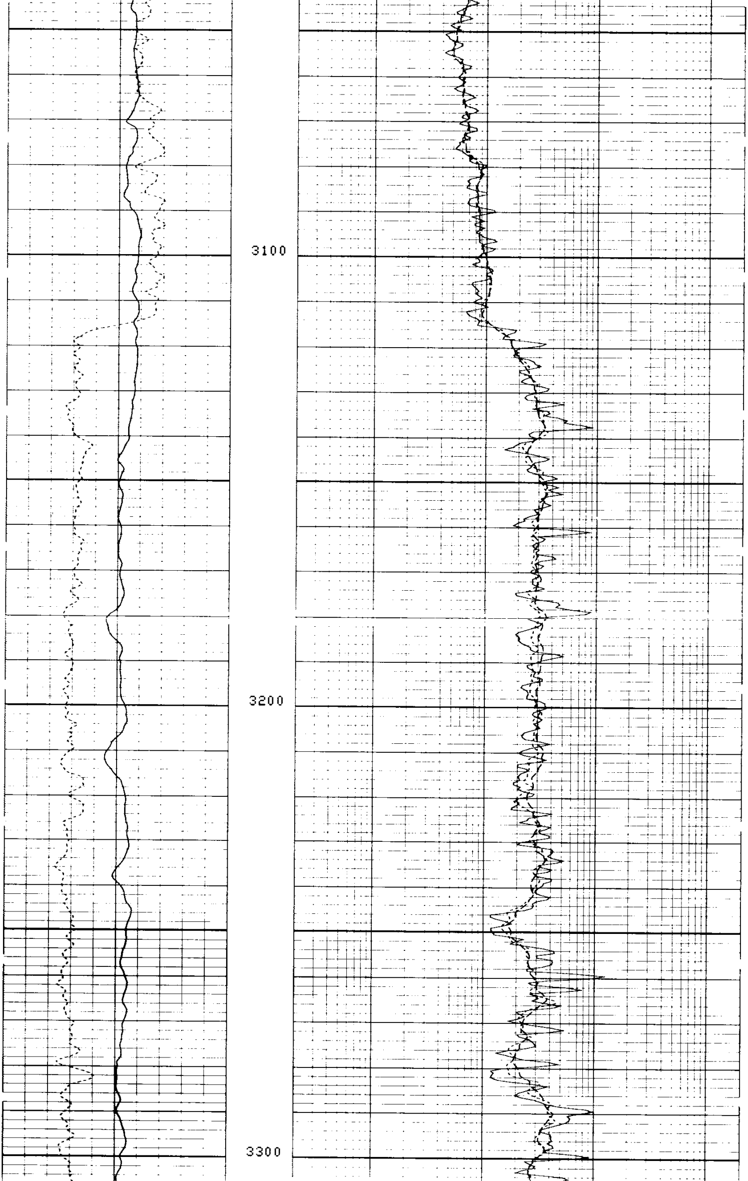


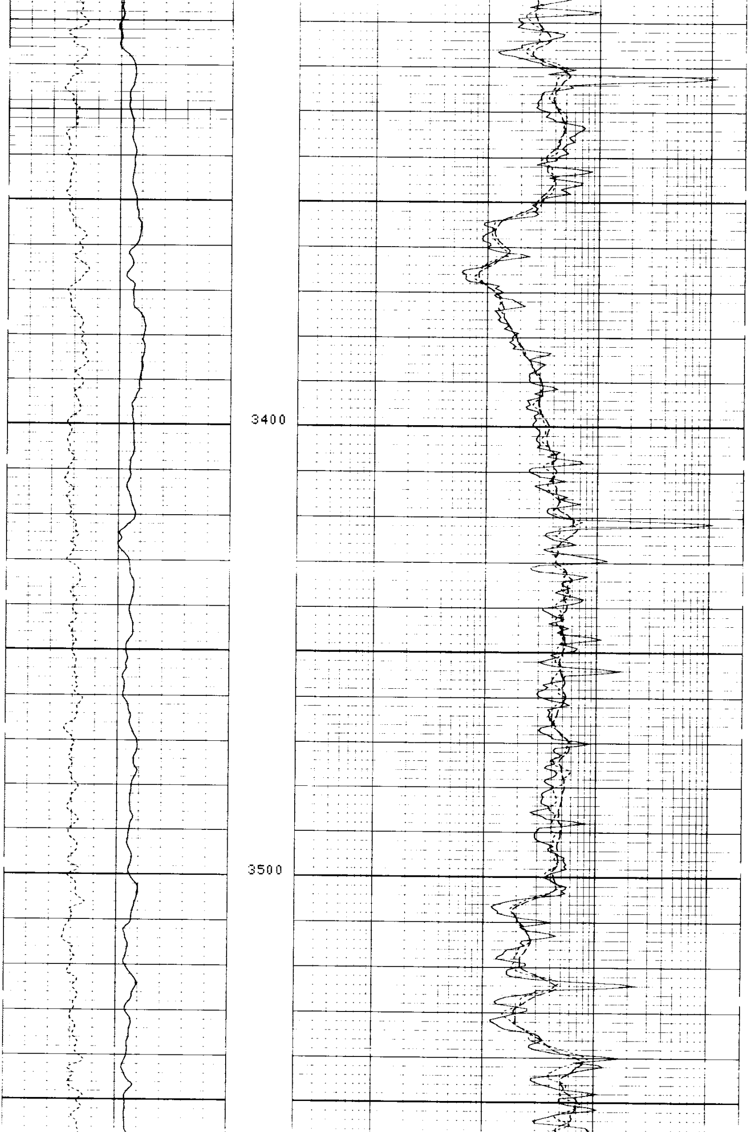


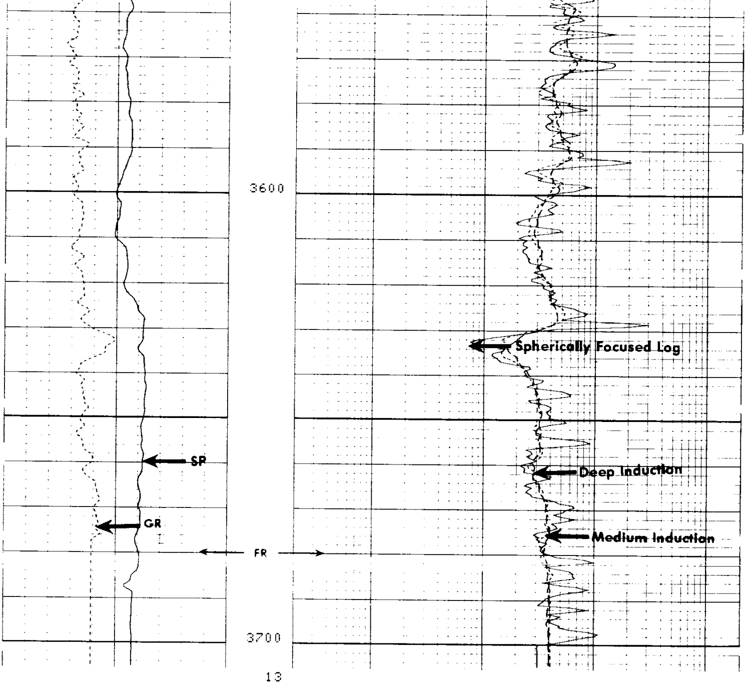












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REPEAT SECTION

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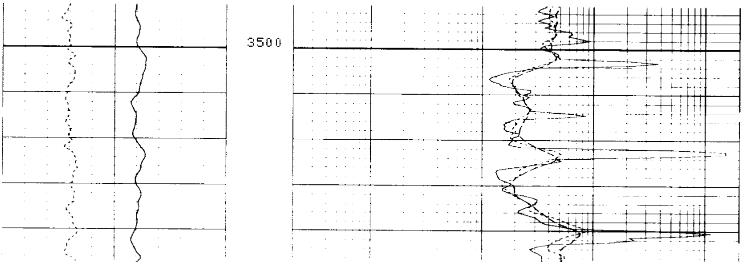

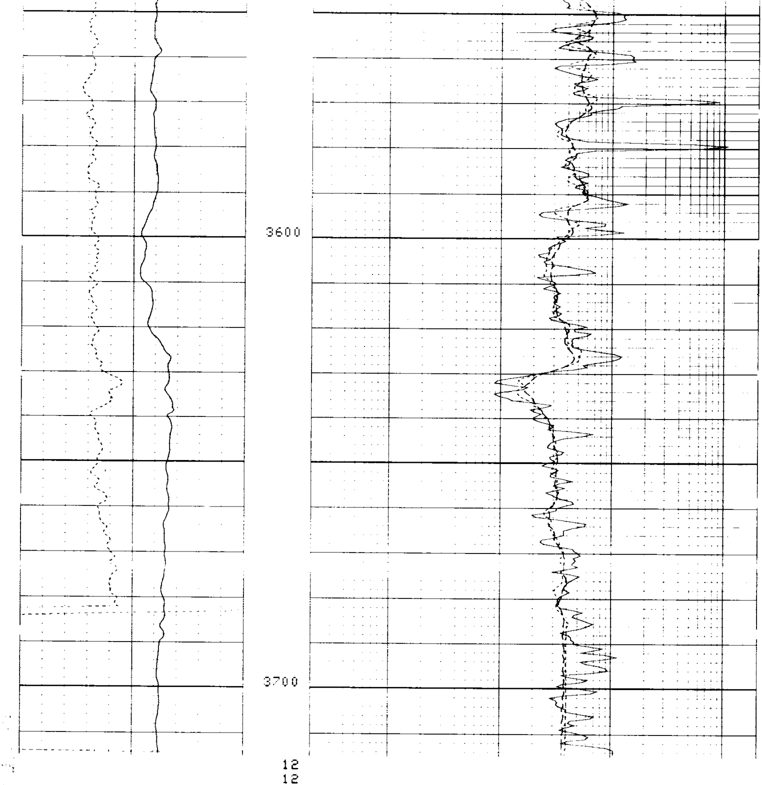

GAMMA RAY API UNITS

0 150

SPONTANEOUS-POTENTIAL

— |10| + MILLIVOLTS

DEPTH

RESISTIVITY OHMS. M^2/M

SPHERICALLY FOCUSED LOG

0.2 1.0 10 100 1000 2000

MEDIUM INDUCTION

0.2 1.0 10 100 1000 2000

DEEP INDUCTION

0.2 1.0 10 100 1000 2000

CALIBRATION RECORD

BEFORE SURVEY CALIBRATION SUMMARY

```
    PERFORMED:       80/06/25
    PROGRAM FILE:    IS       (VERSION     16.4     79/11/20)


  DITD                  ELECTRONICS CALIBRATION SUMMARY

               MEASURED                          CALIBRATED
             ZERO    PLUS                      ZERO      PLUS          UNITS
     ILD      5.7    567.1                      0.0      499.8          MM/M
     ILM      3.3    544.6                      0.0      499.9          MM/M
     SFL     -0.2    520.0                      0.0      499.9          MM/M

  ILM   SONDE ERROR CORRECTION :          4.3     MM/M
  ILD   SONDE ERROR CORRECTION :          5.5     MM/M


  SGTE                  DETECTOR CALIBRATION SUMMARY

               MEASURED
             BKGD     JIG           CALIBRATED           UNITS
      GR      0        0                0                GAPI


  MCDB                  CALIPER CALIBRATION SUMMARY

               MEASURED                          CALIBRATED
             SMALL    LARGE                    SMALL       LARGE         UNITS
    CALI      6.1     11.7                      6.0        12.0           IN
                           10
                           10
                           10
                           10
                           10
                           10


                    AFTER SURVEY TOOL CHECK SUMMARY


    PERFORMED:       80/06/25
    PROGRAM FILE:    IS       (VERSION     16.4     79/11/20)


  DITD                         TOOL  CHECK

                    ZERO                            PLUS
              BEFORE        AFTER         BEFORE        AFTER      UNITS
     ILD        0.0         -0.5          499.8         496.2      MM/M
     ILM        0.0          0.0          499.9         494.0      MM/M
     SFL        0.0         -0.2          499.9         499.0      MM/M

  ILM   SONDE ERROR CORRECTION :          4.3     MM/M
  ILD   SONDE ERROR CORRECTION :          5.5     MM/M
                               9

                     SHOP  SUMMARY


    PERFORMED:       80/06/09
    PROGRAM FILE:    SHOP    (VERSION     14.4     79/09/05)


  DITD                  ELECTRONICS CALIBRATION SUMMARY

                  ELECTRONICS CALIBRATION         SONDE
                MEASURED         CALIBRATED       ERROR
              ZERO    PLUS     ZERO      PLUS     CORR.      TEST
                                                             LOOP       UNITS
     ILD      5.0     568.5     0.0      499.8    5.57       559.7      MM/M
     ILM      4.4     539.5     0.0      499.9    4.30       517.7      MM/M

                           (IS:195   , IC:217   )
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CALIBRATION RECORD

COMPANY NORTHWEST EXPLORATION COMPANY

WELL WESTPORT NO. 1

FIELD WILDCAT - COOS BAY AREA

COUNTY COOS STATE OREGON

SCHL. FR 3682

SCHL. TD 3692

DRLR. TD 3700

Elev: KB 564.8

DF --

GL 552.0