Schlumberger

DUAL INDUCTION-SFL

COUNTY COLUMBIA
FIELD WILDCAT
LOCATION 29-6N-4W
WELL QUASAR 29-14
CROWN ZELLERBACH
COMPANY AMERICAN QUASAR

COMPANY AMERICAN QUASAR PETROLEUM COMPANY

RECEIVED-PTLD
JAN 23 1980
DEPT OF GEOLOGY
& MINERAL INDS.

WELL QUASAR 29-14 CROWN ZELLERBACH

FIELD WILDCAT

COUNTY COLUMBIA **STATE** OREGON

LOCATION 251'NSL & 819'EWL

API SERIAL NO.	SEC.	TWP	RANGE
	29	6N	4W

Other Services:
BHC
FDC/CNL/GR
CYBERLOOK

Permanent Datum: GL ; Elev.: 566.9
Log Measured From KB 10 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 576.9
D.F. --
G.L. 566.9

Date	11-1-79			
Run No.	ONE			
Depth—Driller	2880			
Depth—Logger (Schl.)	2881			
Btm. Log Interval	2875			
Top Log Interval	508			
Casing—Driller	7" @ 508	@	@	@
Casing—Logger	508			
Bit Size	6¼"			
Type Fluid in Hole	GEL			
Dens. | Visc.	9.4 | 58			
pH | Fluid Loss	10.8 | 7 ml	ml	ml	ml
Source of Sample	CIRCULATED			
Rm @ Meas. Temp.	2.56 @ 76 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	3.20 @ 58 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	3.34 @ 60 °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	M | M			
Rm @ BHT	2.05 @ 95 °F	@ °F	@ °F	@ °F
TIME Circulation Stopped	1400			
TIME Logger on Bottom	1730			
Max. Rec. Temp.	95 °F	°F	°F	°F
Equip. | Location	8126 | SAC			
Recorded By	ANDERSEN			
Witnessed By Mr.	LONG			

FOLD HERE

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

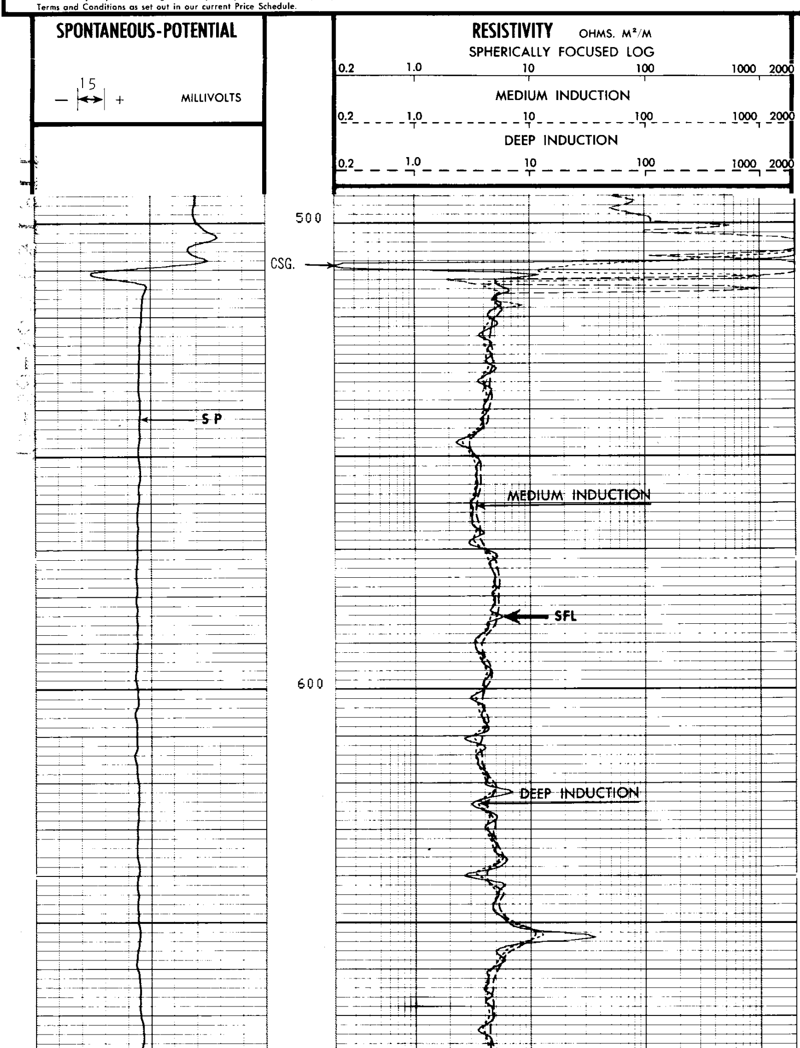
Run No.	ONE			
Service Order No.	31611			
Fluid Level	FULL			
Speed F.P.M.	70			
Salinity ppm. cl	--			
EQUIPMENT DATA				
Panel	CSU			
Cartridge	DA-100			
Sonde	EA-83			
Memorizer Panel	--			
Centralizer Type	--			
Stand-off - Inches	--			
G.R. Panel	--			
CALIBRATION DATA				
SBR	1			
ILD Sonde Error	4.9			
ILM Sonde Error	16.5			
S.E. Set In Hole - Depth	--			
S.E. Corr. - Hole Size	--			
G.R. Background	--			
G.R. Source	--			
T.C. - Cal.	--			
LOGGING DATA				
SBR	1			
ILD Sonde Error Log	4.9			
ILM Sonde Error Log	16.5			
G.R. Scale per 100 Div.	--			
G.R. - T.C. Log	--			

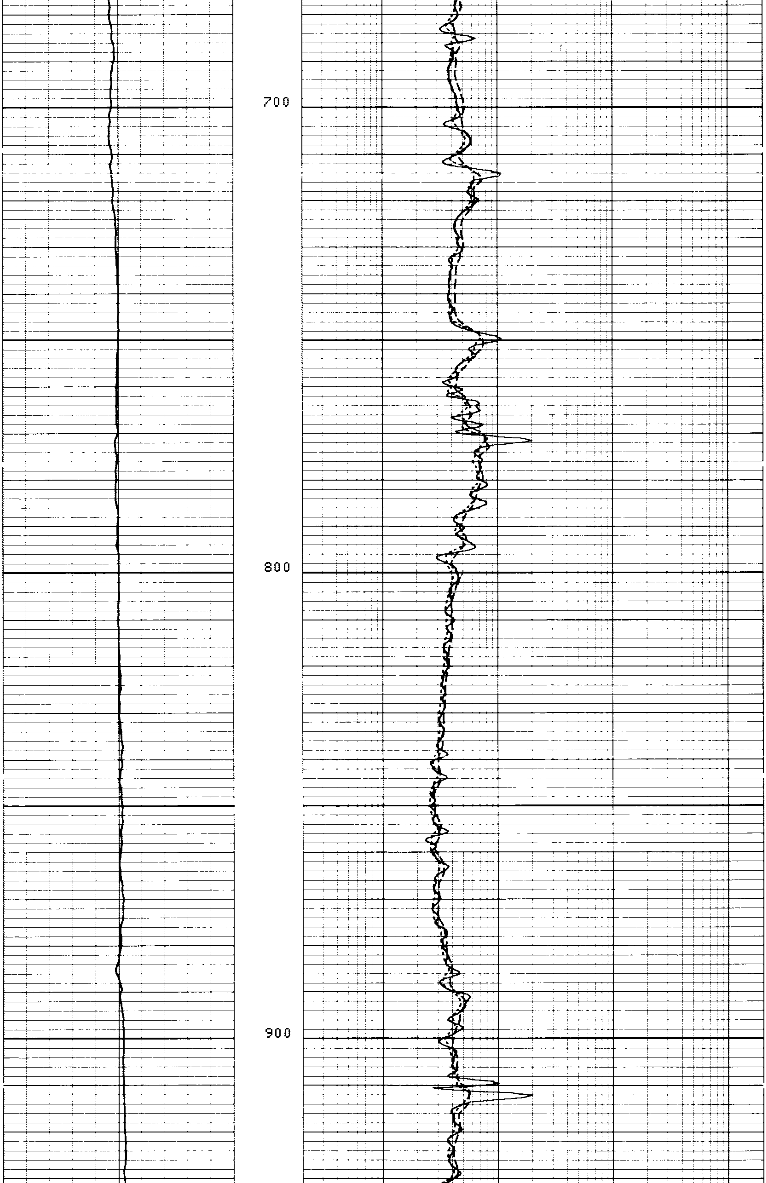
SCALE CHANGES

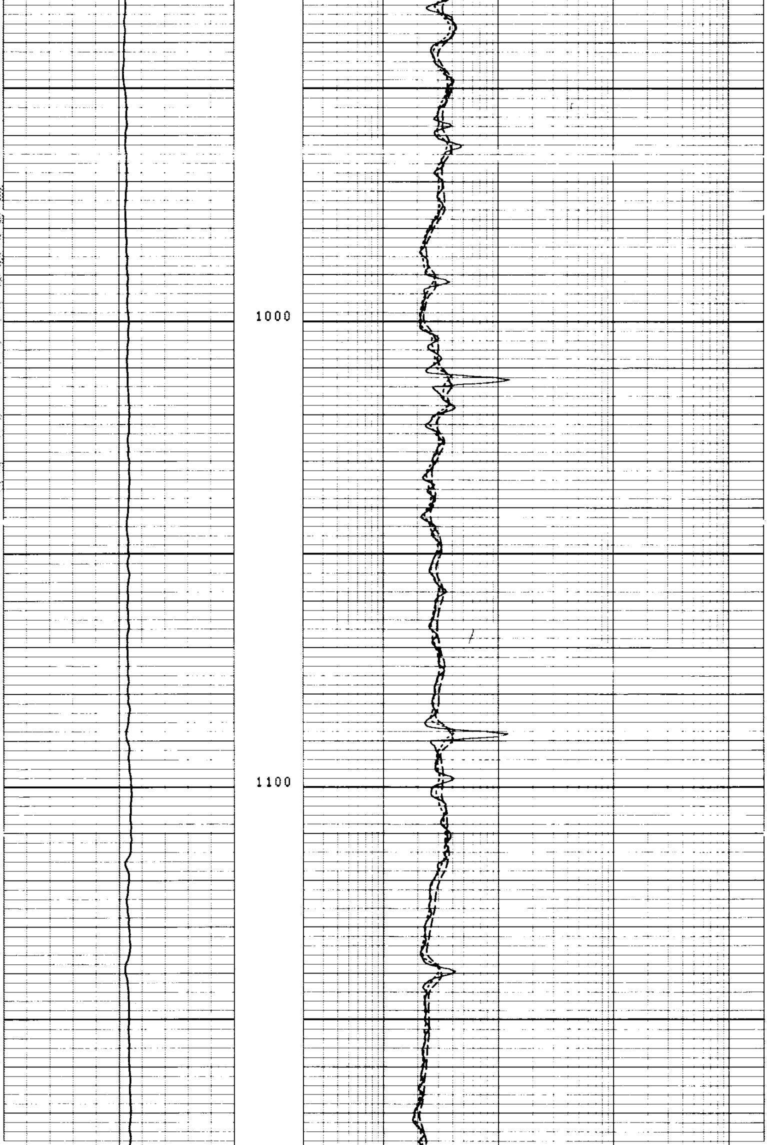
Type Log	DEPTH	Scale Up Hole	Scale Down Hole

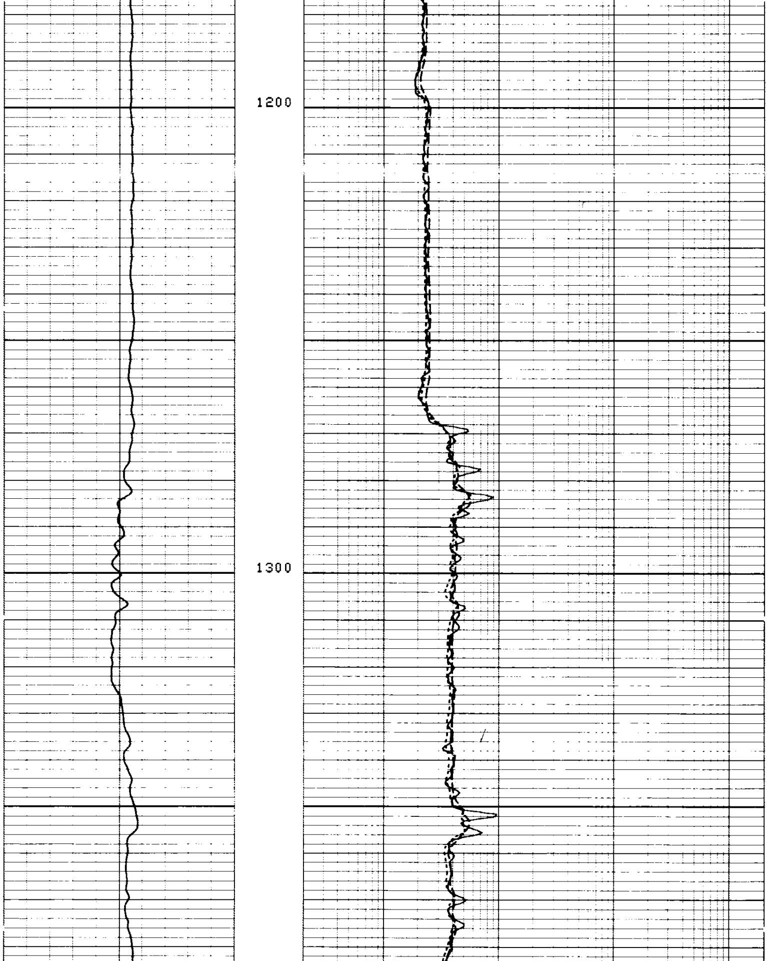
REMARKS

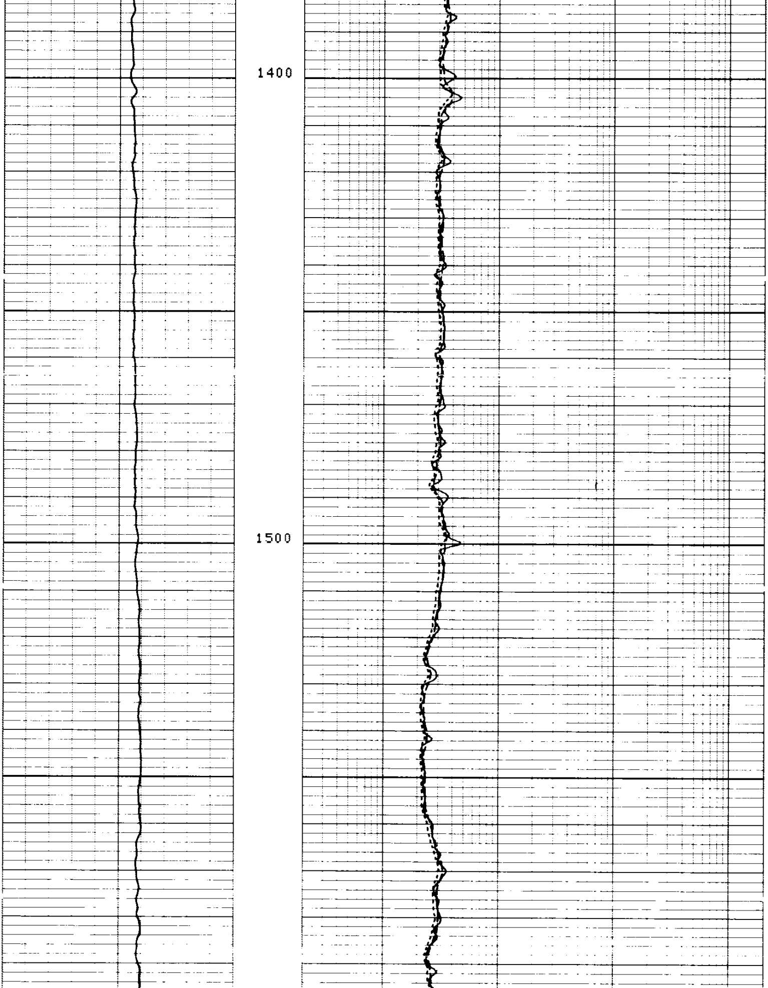
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

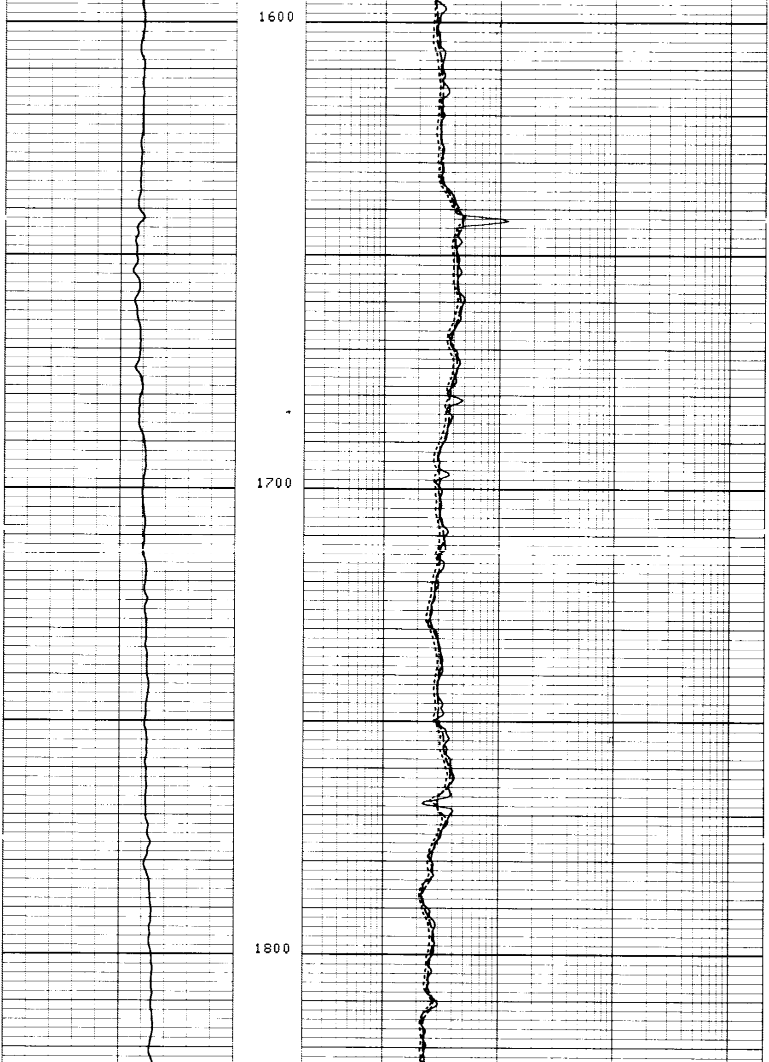


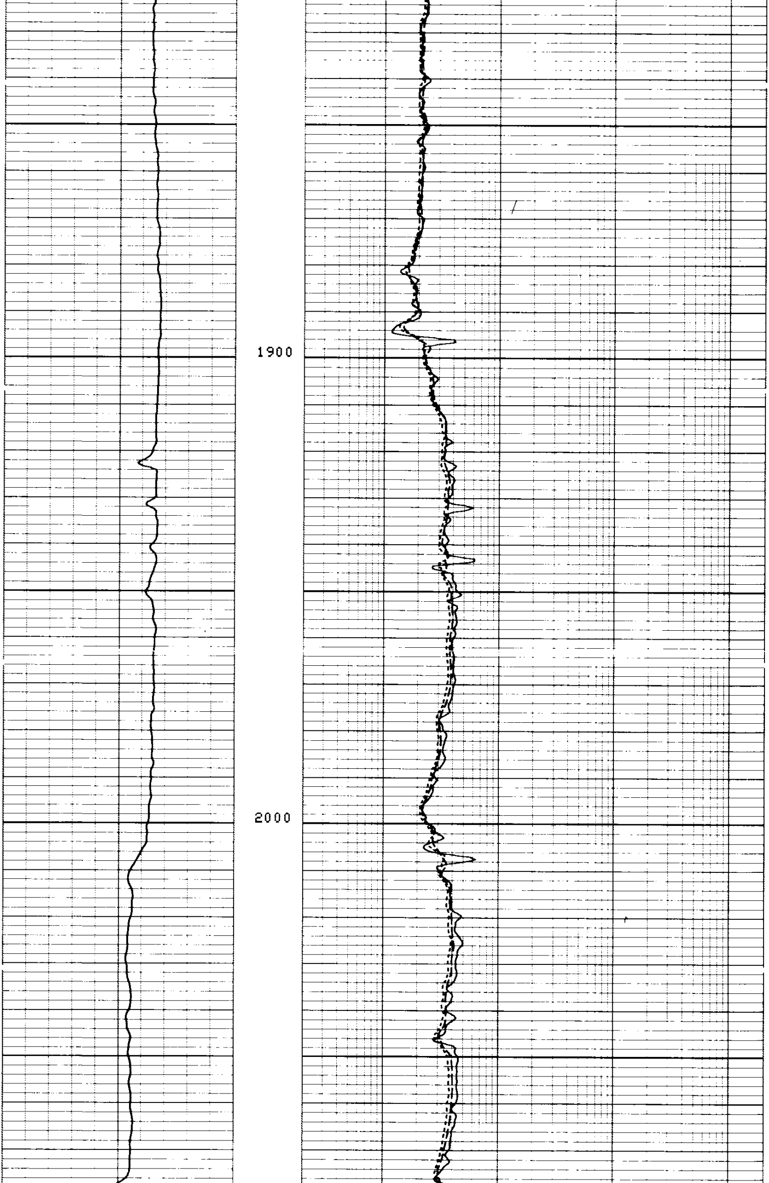


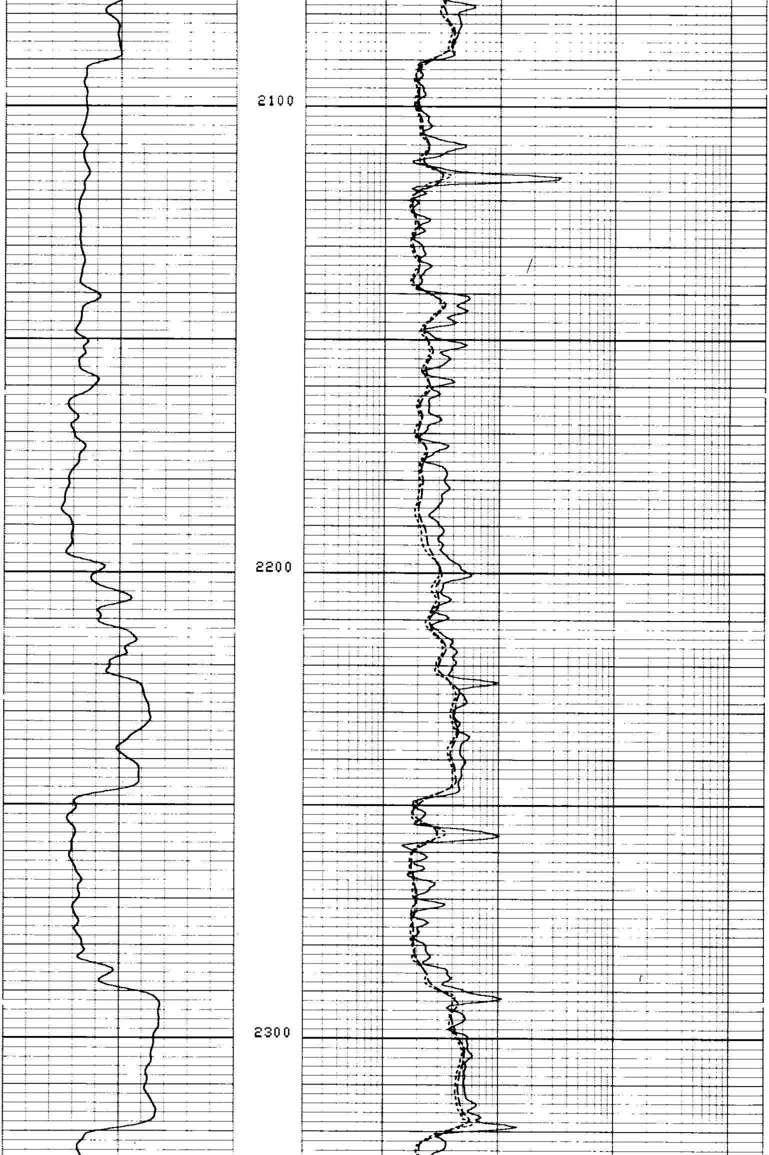


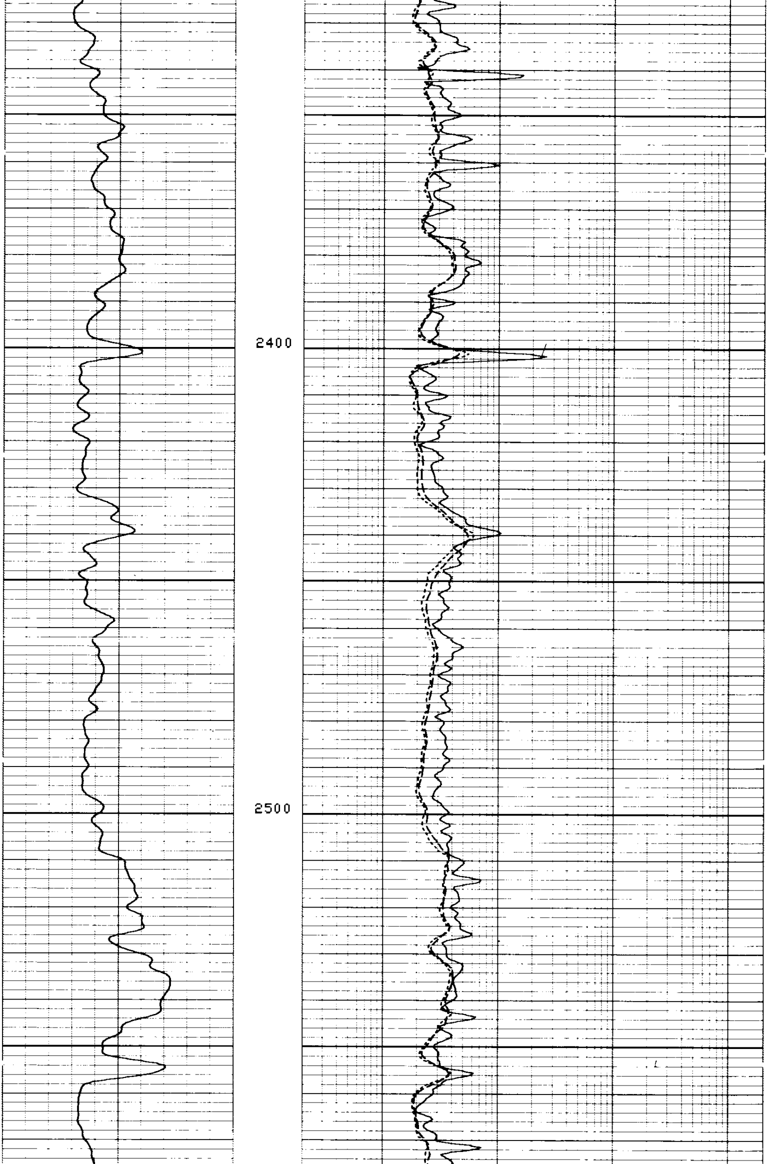


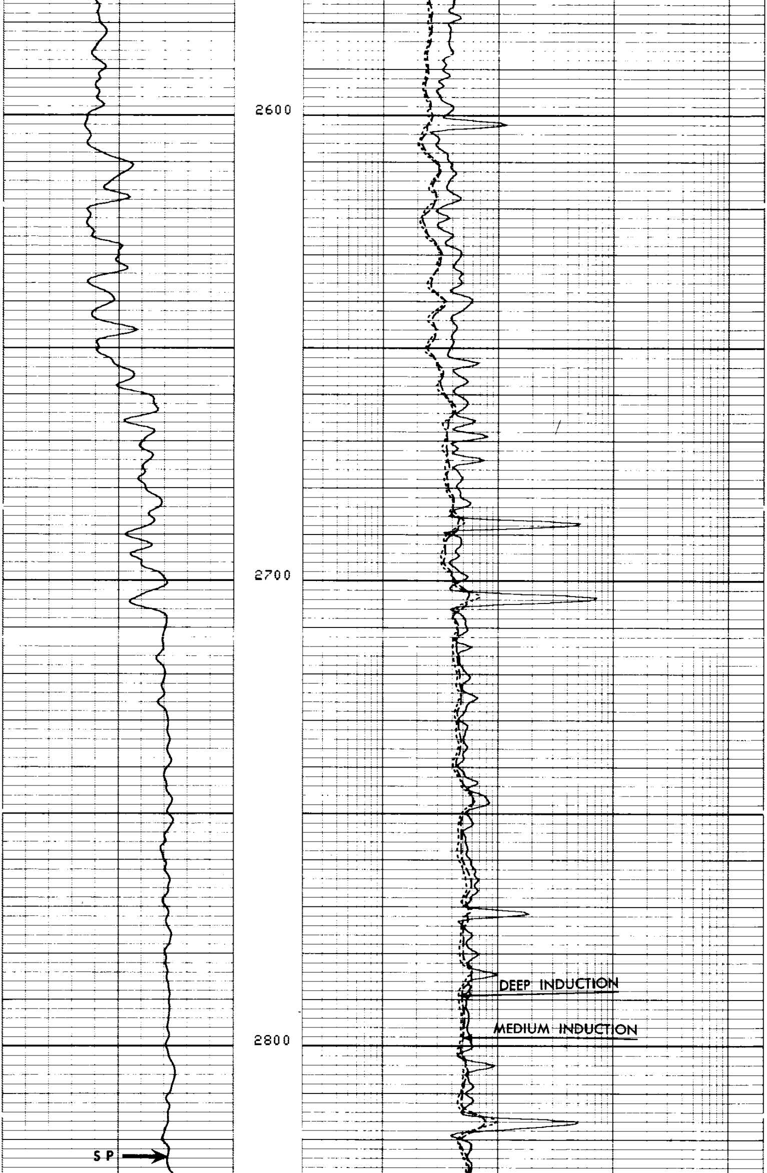


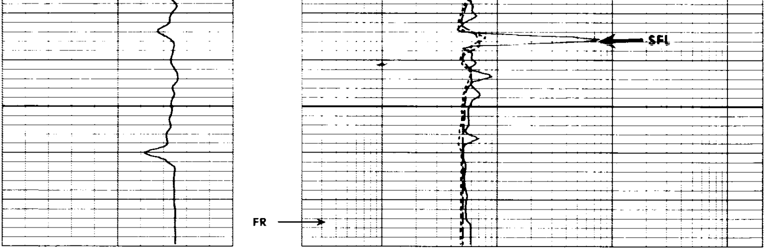








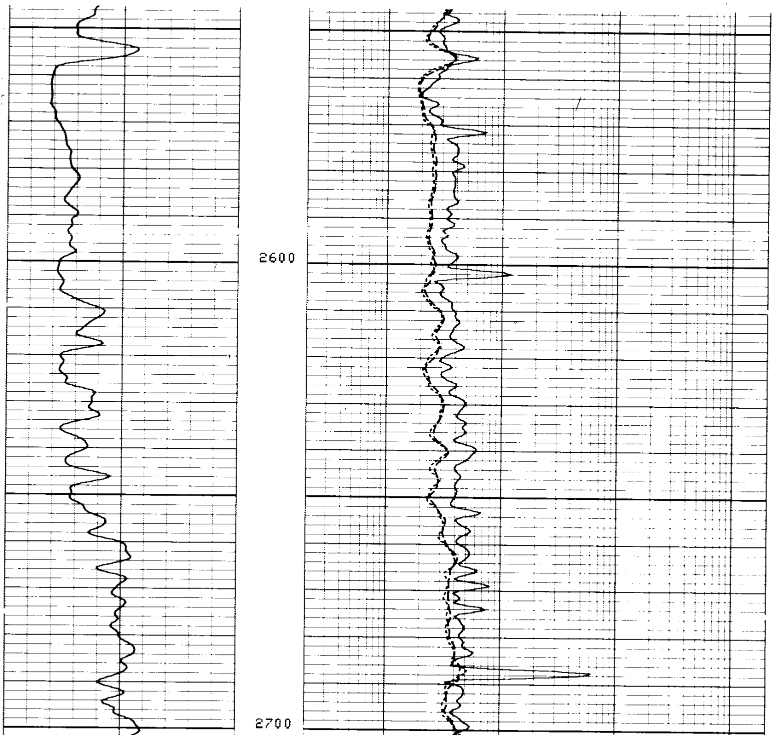


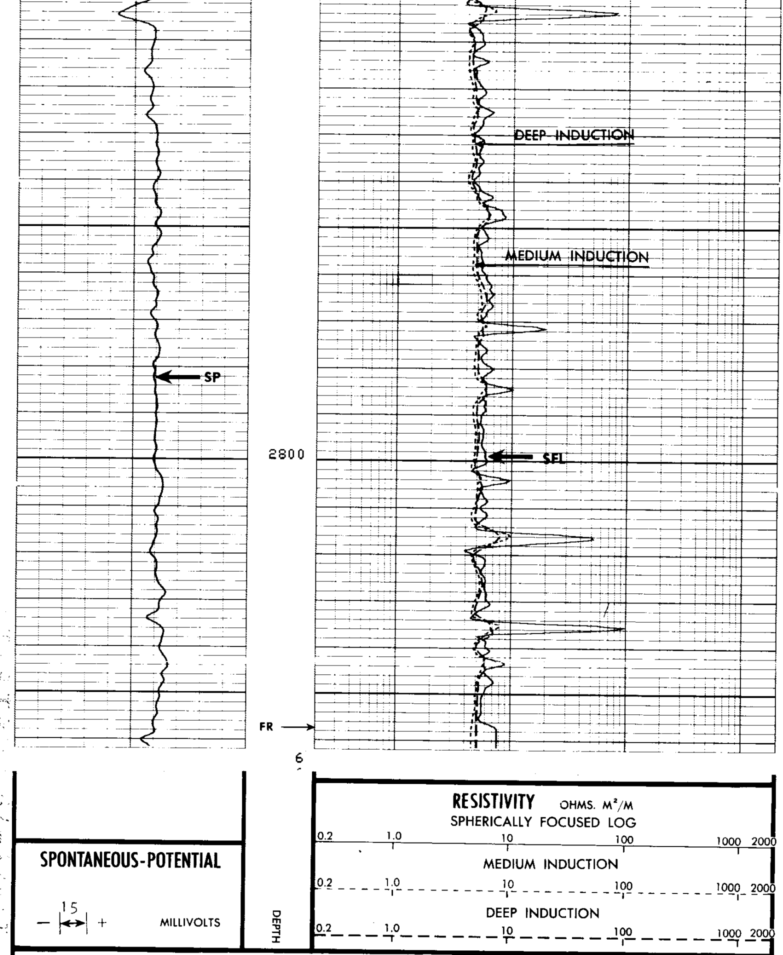


8
8

REPEAT SECTION

6
6





CALIBRATION RECORD

```
                 AFTER SURVEY TOOL CHECK SUMMARY


    PERFORMED:      79/11/01
    PROGRAM FILE:   IS      (VERSION    14.4     79/09/05)


  DITD                      TOOL   CHECK
```

```
                      ZERO                                    PLUS
               BEFORE           AFTER              BEFORE        AFTER       UNITS
      ILD        0.0             0.2               499.7         499.4       MM/M
      ILM        0.0            -0.3               499.9         498.2       MM/M
      SFL        0.0            -0.4               499.9         497.6       MM/M

   ILM  SONDE ERROR CORRECTION :          16.5    MM/M
   ILD  SONDE ERROR CORRECTION :           4.9    MM/M
                                10
```

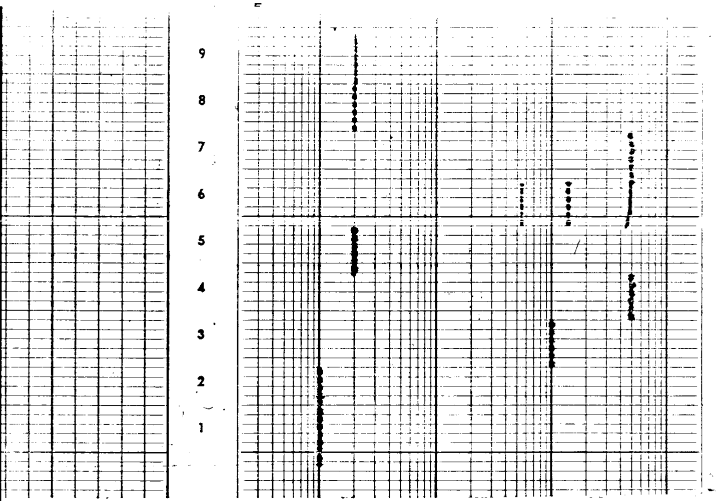
```
                  BEFORE SURVEY CALIBRATION SUMMARY


     PERFORMED:     79/11/01
     PROGRAM FILE:  IS     (VERSION    14.4    79/09/05)


   DITD                ELECTRONICS CALIBRATION SUMMARY

                   MEASURED                        CALIBRATED
                 ZERO    PLUS                    ZERO        PLUS          UNITS
      ILD        -1.6    500.2                    0.0        499.7          MM/M
      ILM         1.3    497.2                    0.0        499.9          MM/M
      SFL        -3.0    537.5                    0.0        499.9          MM/M

   ILM  SONDE ERROR CORRECTION :          16.5    MM/M
   ILD  SONDE ERROR CORRECTION :           4.9    MM/M
                                 5
```



DUAL INDUCTION CALIBRATION FILM CODING

1. MECHANICAL ZERO
2. 1 OHM-M
3. 100 OHM-M
4. ELECTRICAL ZERO (500 OHM-M)
5. 2 OHM-M
6. SONDE ERRORS (+2 MMHO)
7. ZERO SIGNAL IN AIR
8. ILd TEST LOOP (2 OHM SIGNAL)
9. ILm TEST LOOP (2 OHM SIGNAL)
10. Rxo/Rt UNITY
11. Rxo Rt CALIBRATE

SEPTEMBER 12, 1979
DIS-EA 83
DIC-DA 100
SONDE ERRORS
ILD= 4.9
ILM= 16.5

CALIBRATION RECORD

COMPANY	AMERICAN QUASAR PETROLEUM COMPANY	SCHL. FR	2875
		SCHL. TD	2881
WELL	QUASAR 29-14 CROWN ZELLERBACH	DRLR. TD	2880
FIELD	WILDCAT	Elev: KB	576.9
		DF	--
COUNTY	COLUMBIA STATE OREGON	GL	566.9

SWS--2517