Welex

OPEN HOLE

DUAL INDUCTION GUARD LOG

COMPANY ARCO OIL AND GAS CO.

WELL COLUMBIA COUNTY 21-35-65

FIELD MIST

COUNTY COLUMBIA STATE OREGON

API NO.

LOCATION S 87 DEG. 15 MIN. 19 SEC
E 1570.36 FT.
S 02 DEG 44 MIN 41 SEC
W 1344.31 FT.
FROM NW CORNER OF

SEC. 35 TWP. 6N RGE. 5W

OTHER SERVICES

PERMANENT DATUM GROUND LEVEL ELEV. 672.75
LOG MEASURED FROM KELLY BUSHING 10 FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM KELLY BUSHING

ELEV.: K.B. 682.75
D.F. 681.75
G.L. 672.75

CONFIDENTIAL

DATE	11/11/87			
RUN NO.	ONE			
DEPTH-DRILLER	1924			
DEPTH-WELEX	1922			
BTM. LOG INTER.	1917			
TOP LOG INTER.	425			
CASING-DRILLER	475 @ 9 5/8	@	@	@
CASING-WELEX	476			
BIT SIZE	8.5			
TYPE FLUID IN HOLE	POLYMER			
DENS. : VISC.	10.5 : 40	:	:	:
PH : FLUID LOSS	11. : 6.2 ML	:	: ML	: ML
SOURCE OF SAMPLE	FLOW LINE			
RM @ MEAS. TEMP.	2.6 @ 71 F	@	@ F	@ F
RMF @ MEAS. TEMP.	2.21 @ 71 F	@	@ F	@ F
RMC @ MEAS. TEMP.	3.25 @ 71 F	@	@ F	@ F
SOURCE RMF RMC	MEA : MEA	:	:	:
RM @ BHT	@ F	@	@ F	@ F
TIME CIRC. STOPPED	22:25			
TIME ON BOTTOM	02:07			
MAX. REC. TEMP.	90 F@ 1922	@	F@	F@
EQUIP. : LOCATION	1888 : WOODLAND	:	:	:
RECORDED BY	STARNES			
WITNESSED BY	MR. M. ANDERSON			

FOLD HERE

SERVICE TICKET NO.: API SERIAL NO.: PCM VERSION: V1.07 09/06/85

CHANGE IN MUD TYPE OR ADDITIONAL SAMPLES		
DATE : SAMPLE NO.	:	:
DEPTH-DRILLER		
TYPE FLUID IN HOLE		
DENS. : VISC.	:	:
PH : FLUID LOSS	: ML	: ML
SOURCE OF SAMPLE		
RM @ MEAS. TEMP.	@ F	@ F
RMF @ MEAS. TEMP.	@ F	@ F
RMC @ MEAS. TEMP.	@ F	@ F
SOURCE: RMF : RMC	:	:
RM @ BHT	@ F	@ F
RMF @ BHT	@ F	@ F
RMC @ BHT	@ F	@ F

RESISTIVITY SCALE CHANGES

TYPE LOG	DEPTH	SCALE UP HOLE	SCALE DOWN HOLE
DIGL-AVL-CALIP	2400		
	470		
	200		

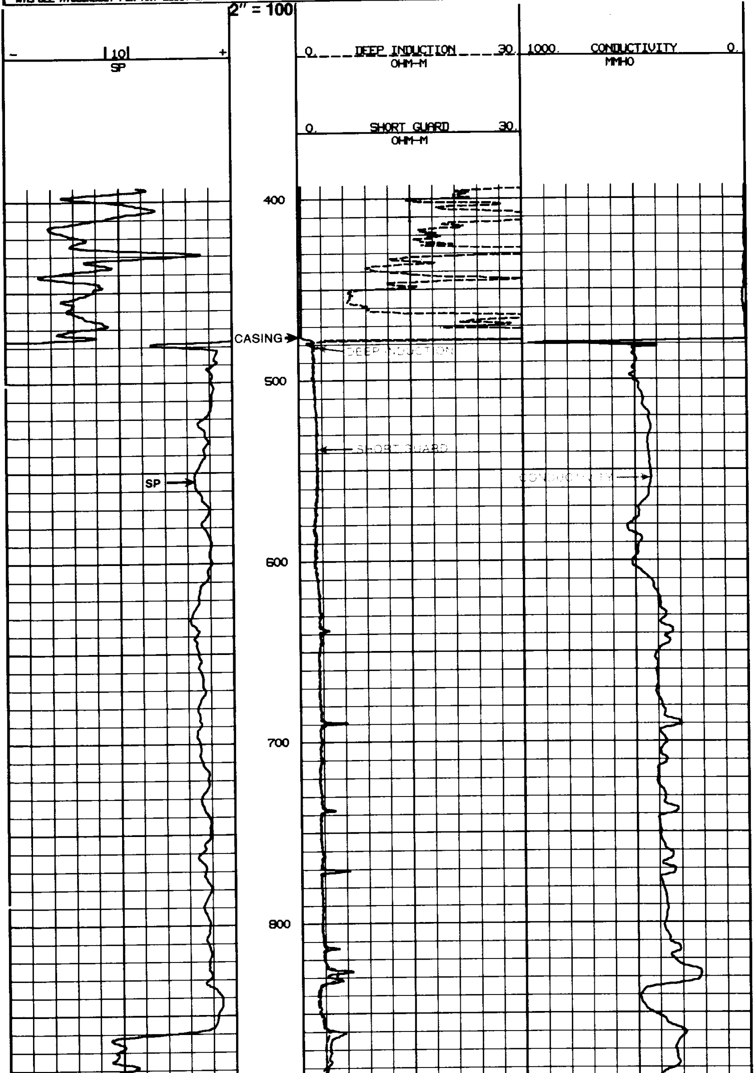
RESISTIVITY EQUIPMENT DATA

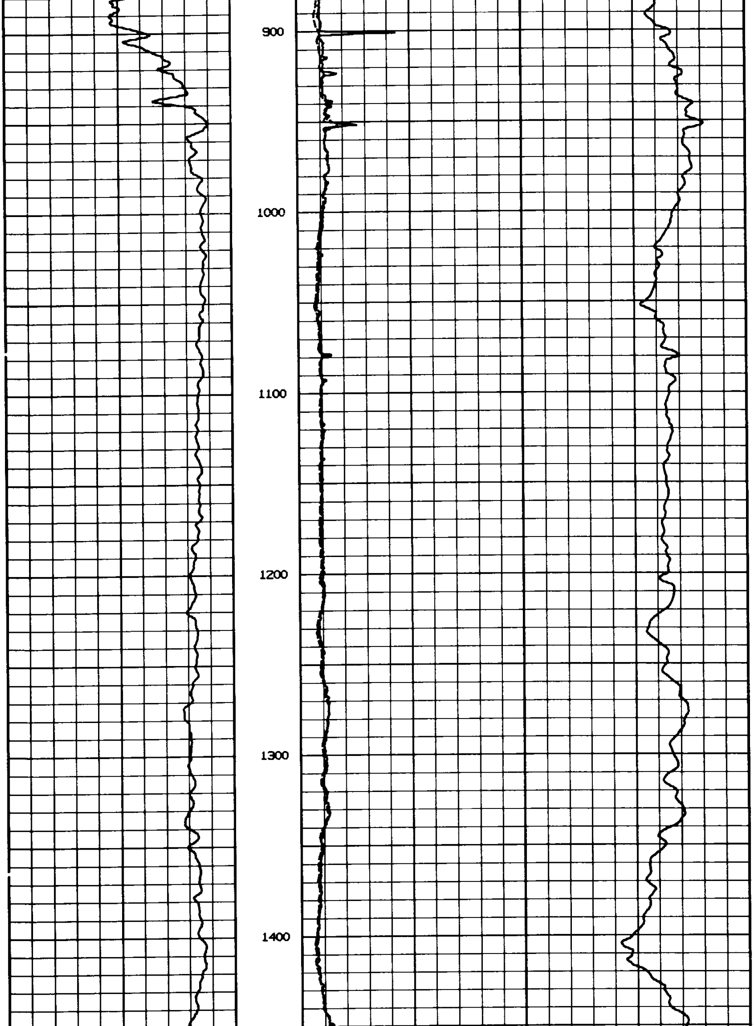
RUN NO.	TOOL TYPE AND NO.	PAD TYPE	TOOL POSITION	OTHER
ONE	DUAL 98862			
	GUARD 67279			
	AVL 213213			
	CAL 123			

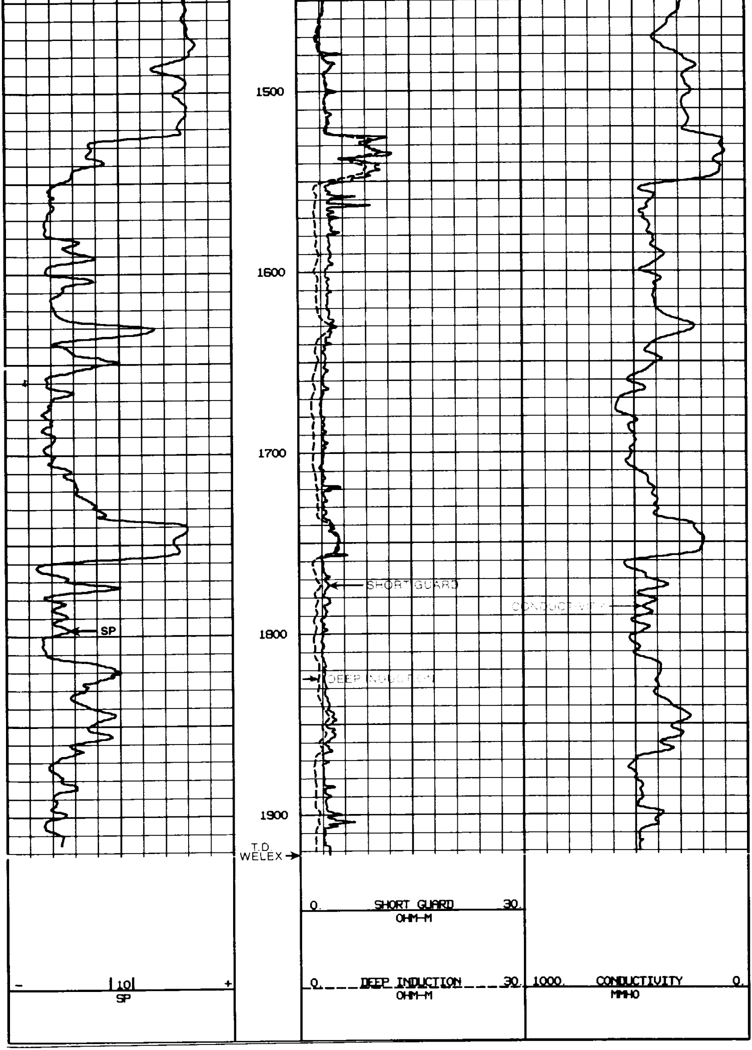
BOREHOLE CORRECTIONS: SHALLOW. MEDIUM. DEEP.

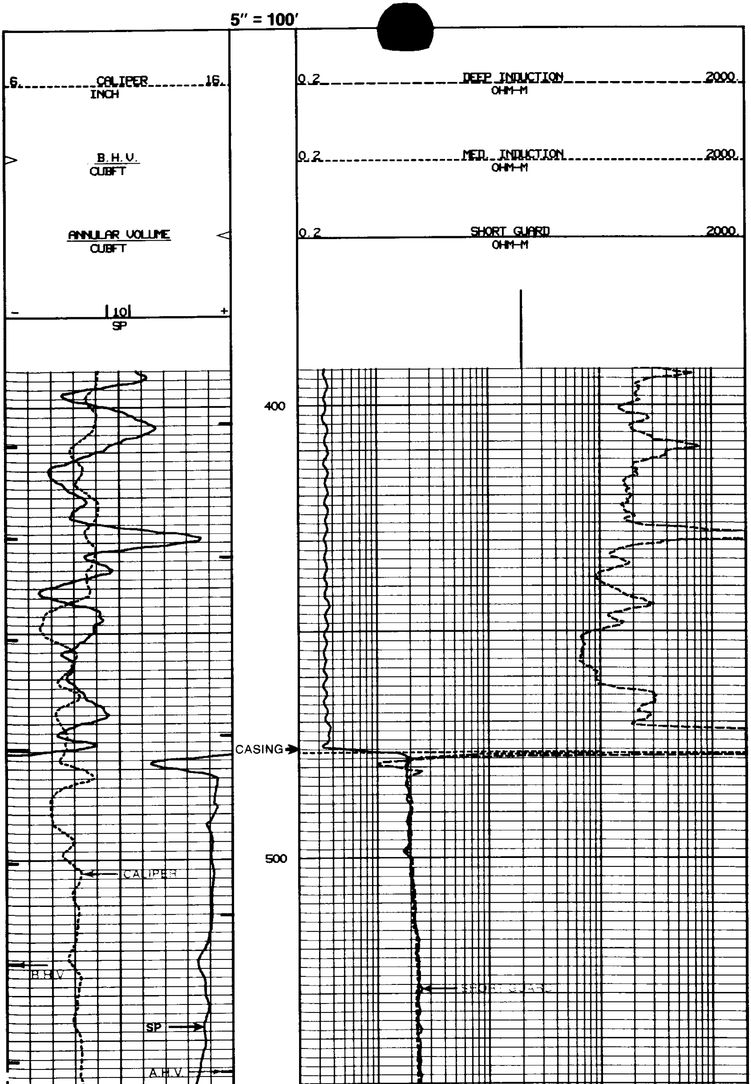
REMARKS:

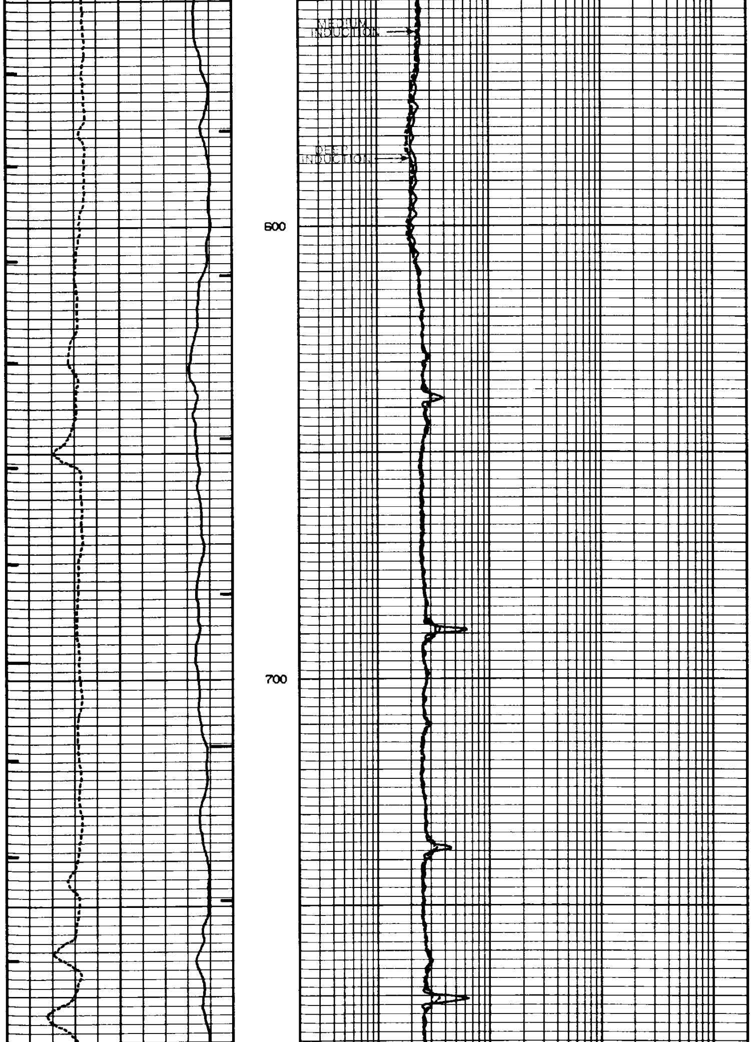
WELEX DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF LOG DATA. CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS. OR RECOMMENDATIONS WHICH MAY BE GIVEN BY WELEX PERSONNEL OR WHICH MAY APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA. INTERPRETATIONS. OR CONVERSIONS. OR RECOMMENDATIONS AGREES THAT WELEX IS NOT RESPONSIBLE. EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILFULL MISCONDUCT FOR ANY LOSS. DAMAGES. OR EXPENSES RESULTING FROM THE USE THEREOF.

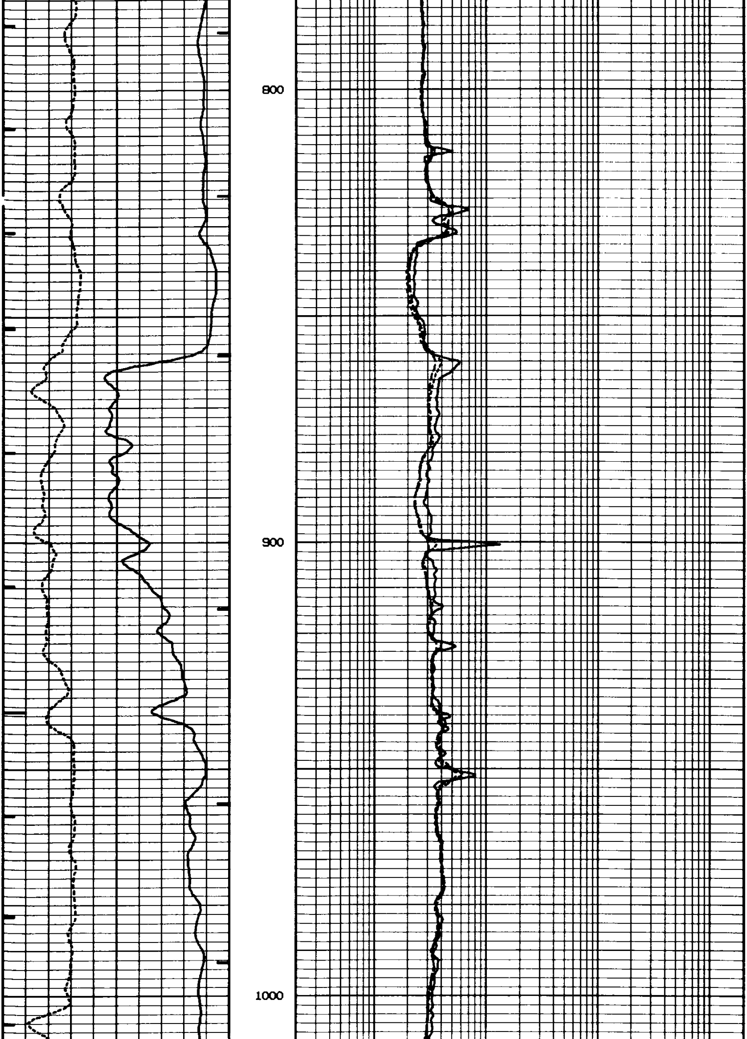


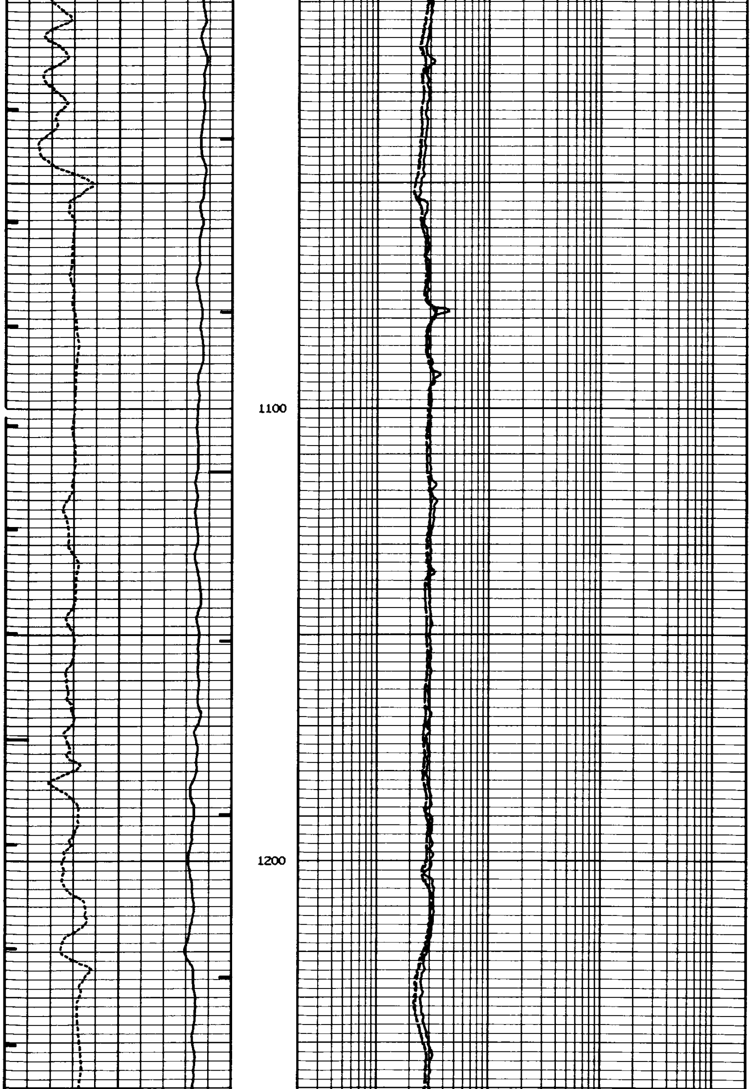


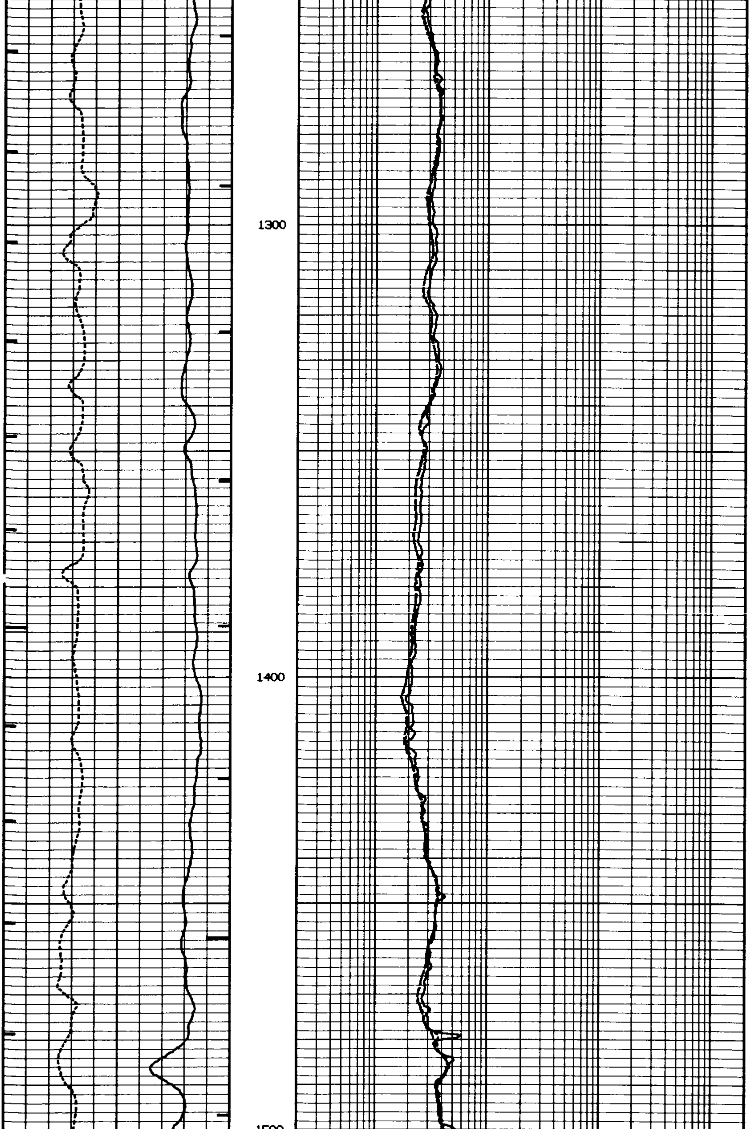


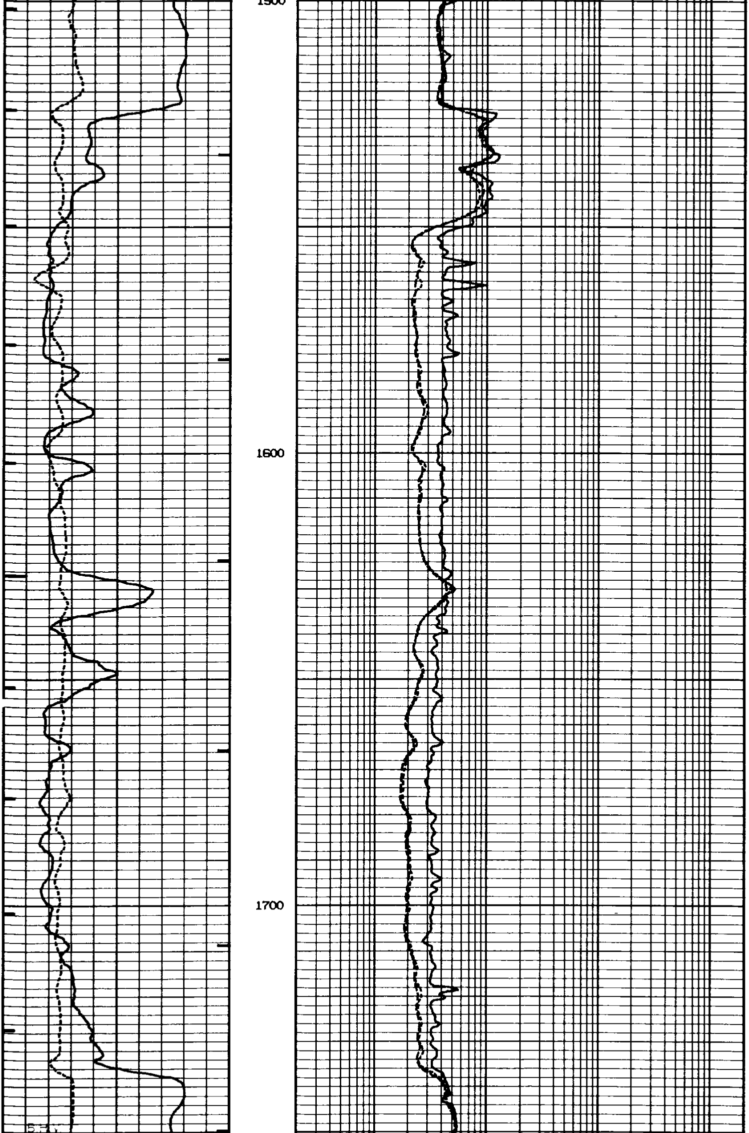


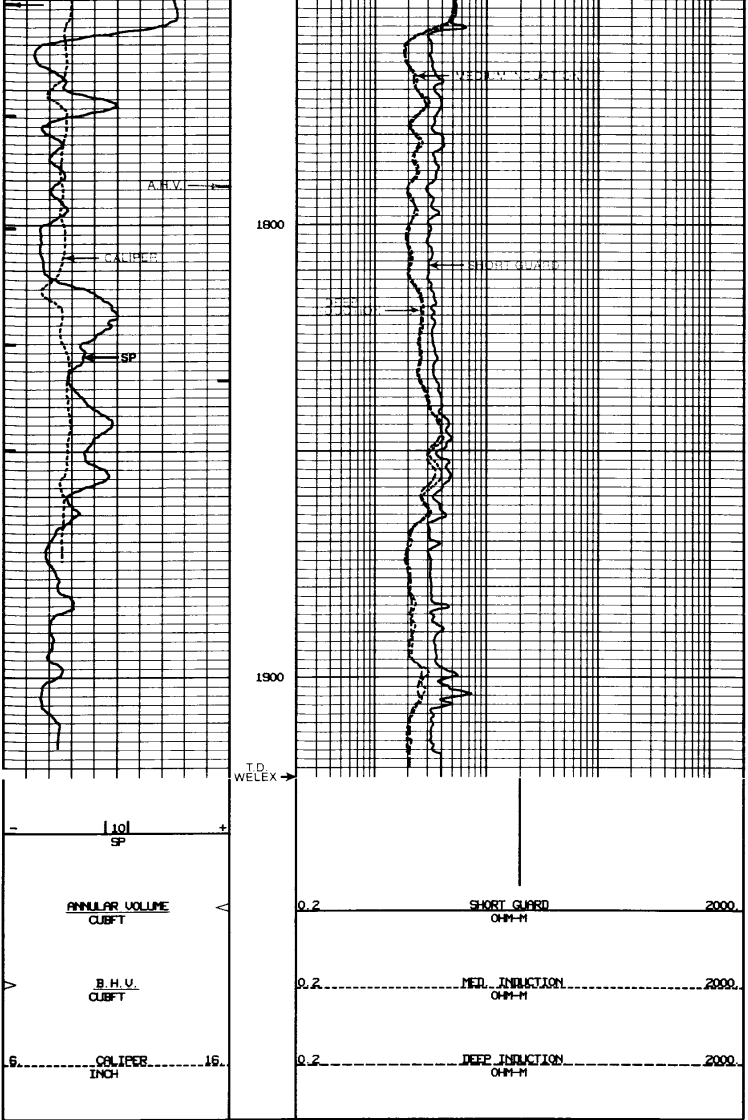


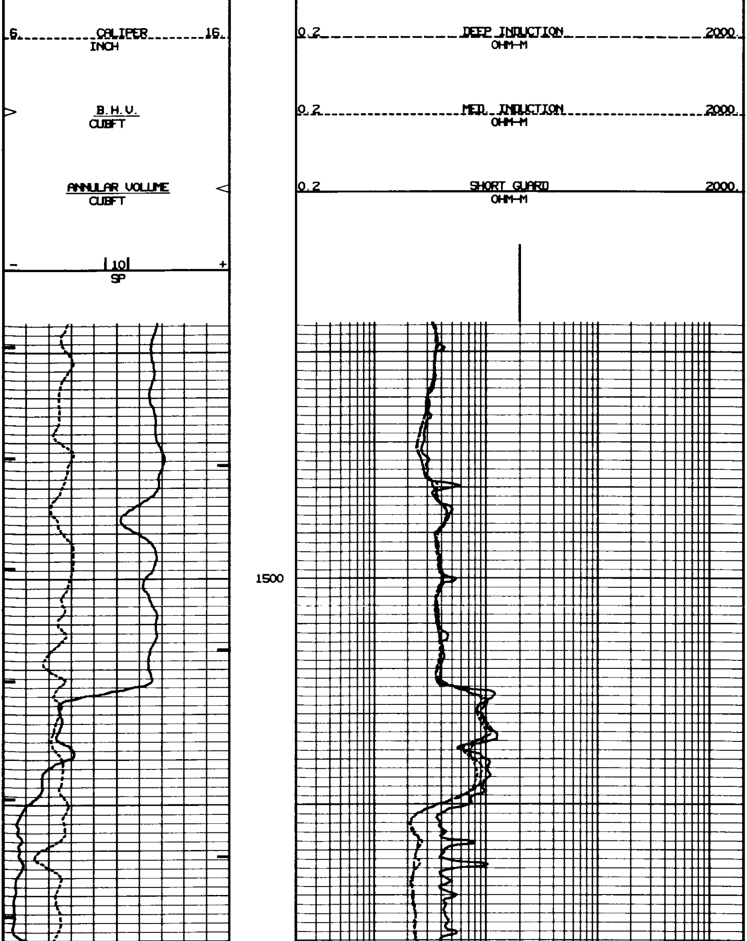
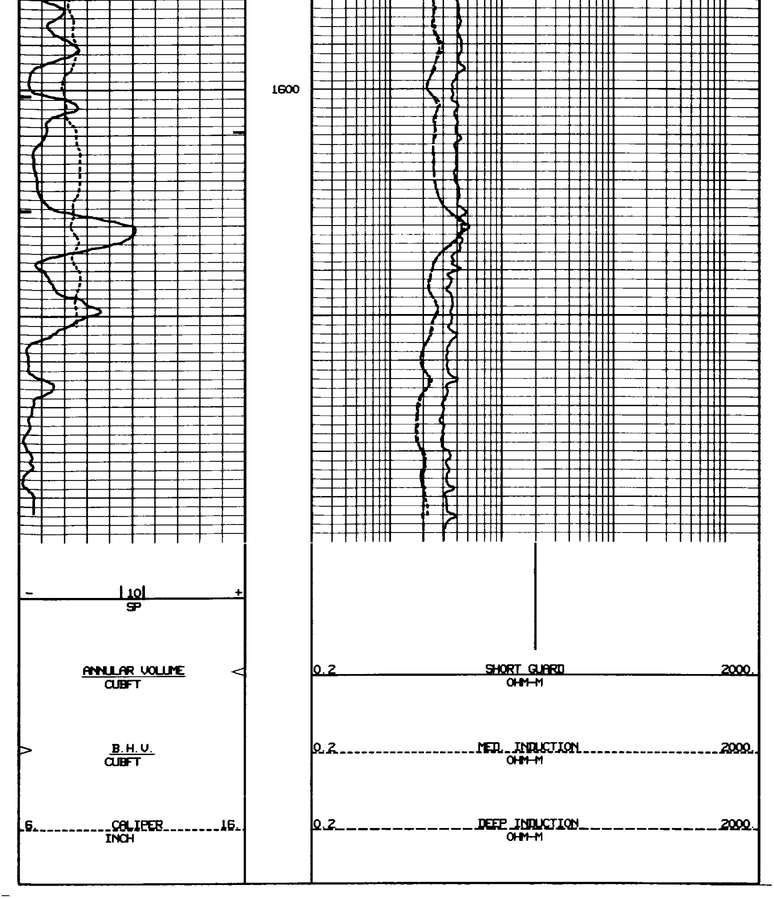










REPEAT SECTION