Schlumberger

COMPUTER PROCESSED LOG

RECEIVED-PTLD
FEB 15 1980
DEPT OF GEOLOGY & MINERAL INDUS

COMPANY AMERICAN QUASAR
WELL WALL 24-13
FIELD MIST
COUNTY COLUMBIA STATE OREGON
LOCATION NW & SW SEC 24, 7N, R5W
ELEVATION KB 545 DF - GL 534 API NO.

Schlumberger Cyberlook

WELLSITE COMPUTATION
A CSU* Service

Date	1/22/80		
Run No.	ONE		
Depth—Driller	2810		
Depth—Logger	2804		
Btm. Log Interval	2790		
Top Log Interval	508		
Casing—Driller	7" @ 508	@	@
Casing—Logger	508		
Bit Size	6¼		
Type Fluid in Hole	LIGNO		
Dens. | Visc.	10 # | 50		
pH | Fluid Loss	11 | 8.0 ml	ml	ml
Source of Sample	FLOWLINE		
Rm @ Meas. Temp.	.83 @ 56 °F	@ °F	@ °F
Rmf @ Meas. Temp.	.86 @ 56 °F	@ °F	@ °F
Rmc @ Meas. Temp.	1.37 @ 57 °F	@ °F	@ °F
Source: Rmf | Rmc	M | M		
Rm @ BHT	.56 @ 90 °F	@ °F	@ °F
TIME Circulation Stopped	1530 1/21/80		
TIME Logger on Bottom	-		
Max. Rec. Temp.	90 °F	°F	°F
Equip. | Location	8/28 | 4408		
Recorded By	LINDIREN		
Witnessed By	BIRRARD, BAILEY		

EWS- 2495C

* A MARK OF SCHLUMBERGER

FOLD HERE

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

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. *A mark of Schlumberger.

COMPUTATION PARAMETERS

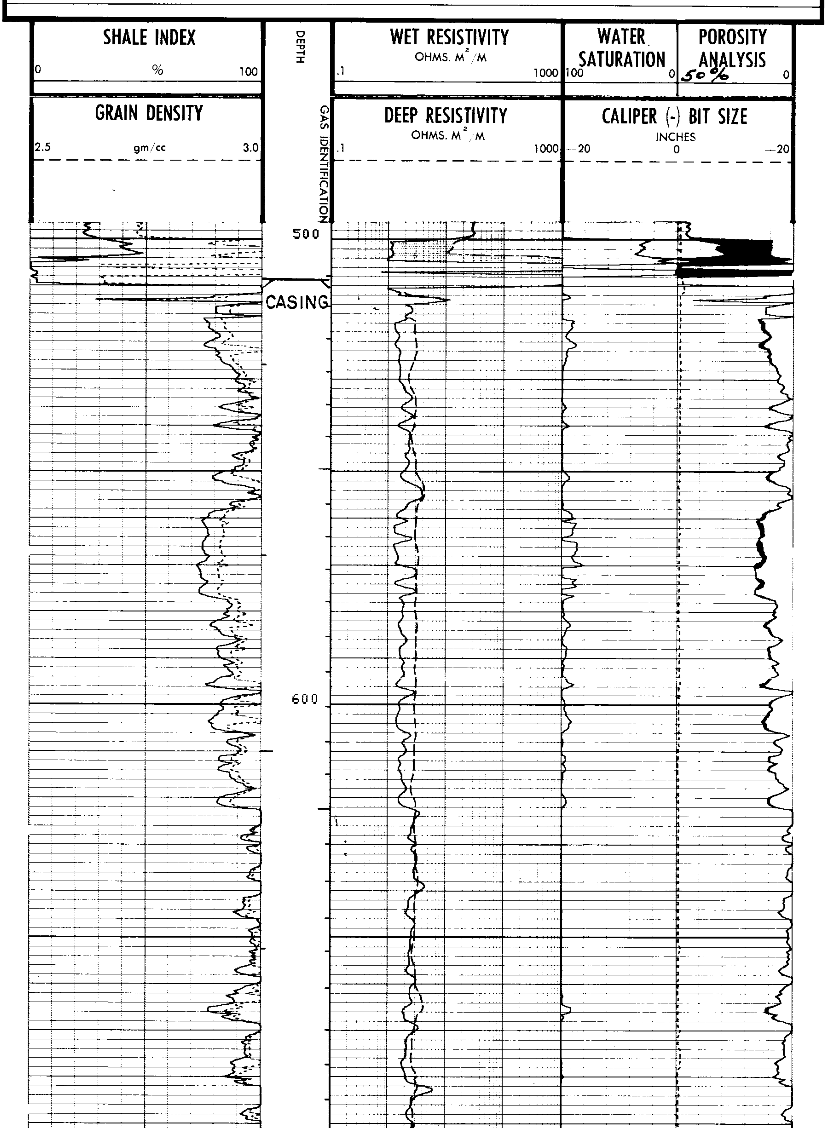
DEPTH	R$_w$		GR		SP		NEUTRON		SHALE INDEX USED		PMAX	MD	DO	DO2	SPDR	MATR	BS
	Free	Bound	Clean	Shale	Clean	Shale	Clean	Shale	GR/SP BOTH	Neutron Used Y/N	PHI MAX	Clean Matrix Density	Depth Offset Tape 1	Depth Offset Tape 2	SP Drift	Neutron Matrix	Bit Size
2788	.5	3.0	-	-	-140	-30	-	-	SP	N	.60	2.65	-	-	.01	SS-N	6¼
2648	.65	.6	-	-	-39	-5	-	-	-	-	-	-	-	-	-	-	-
2440	.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1400	-	-	-	-	-20	5	-	-	-	-	-	-	-	-	-	-	-

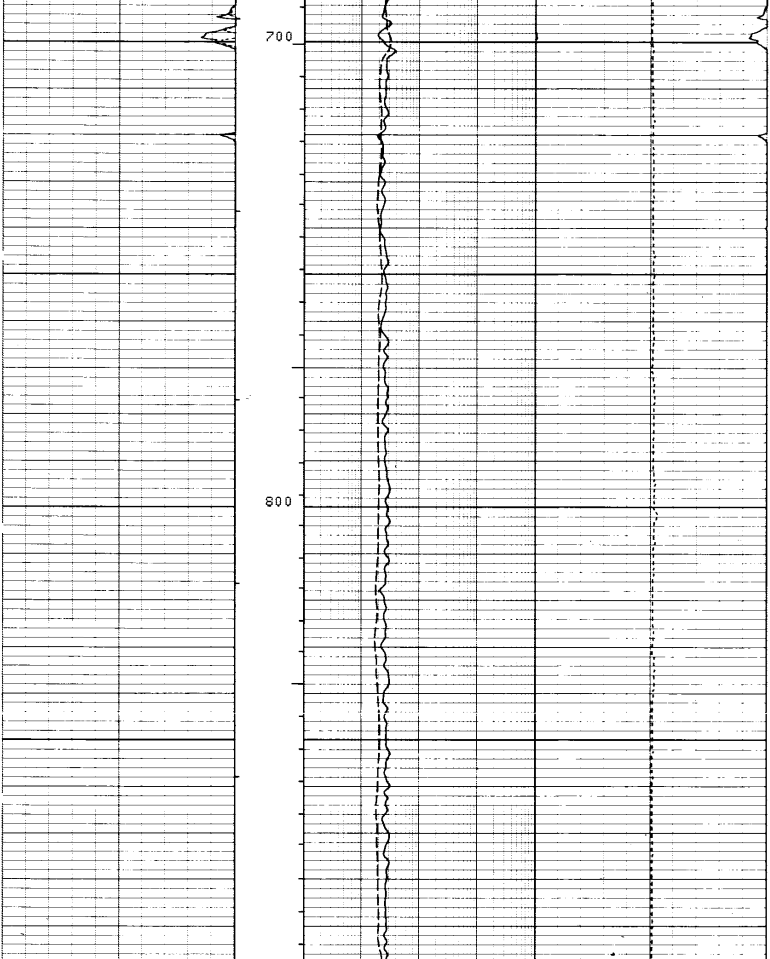
COMPUTATION CONSTANTS

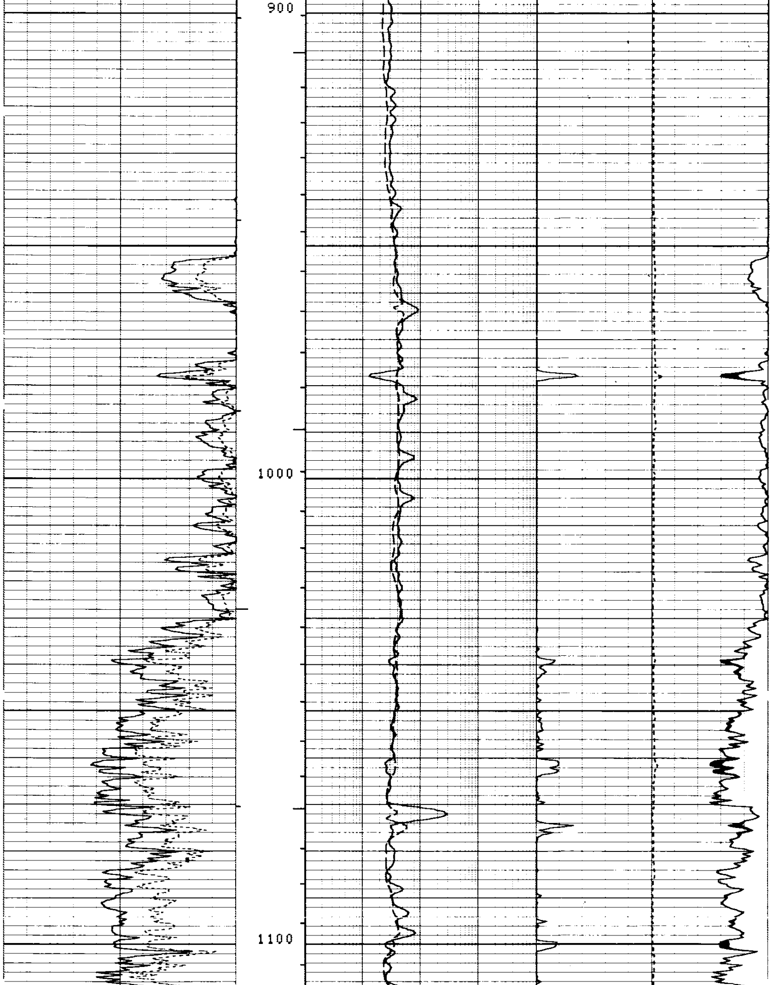
Service Order Number

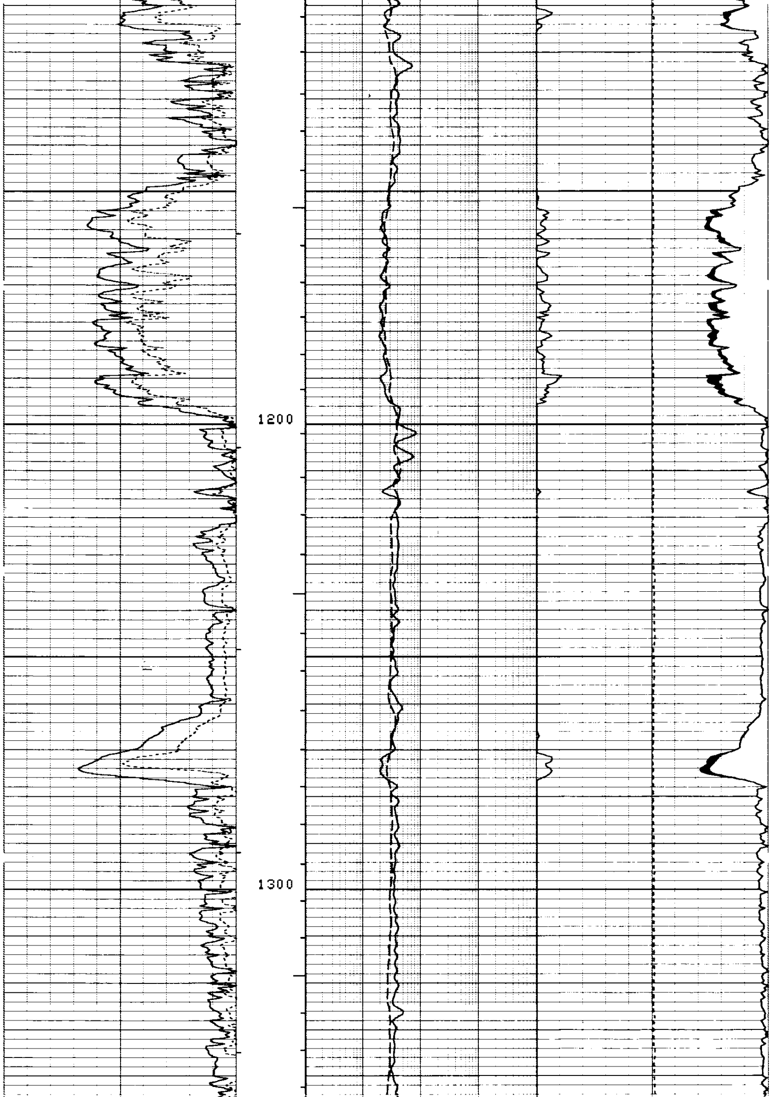
MUD FILTRATE DENSITY =

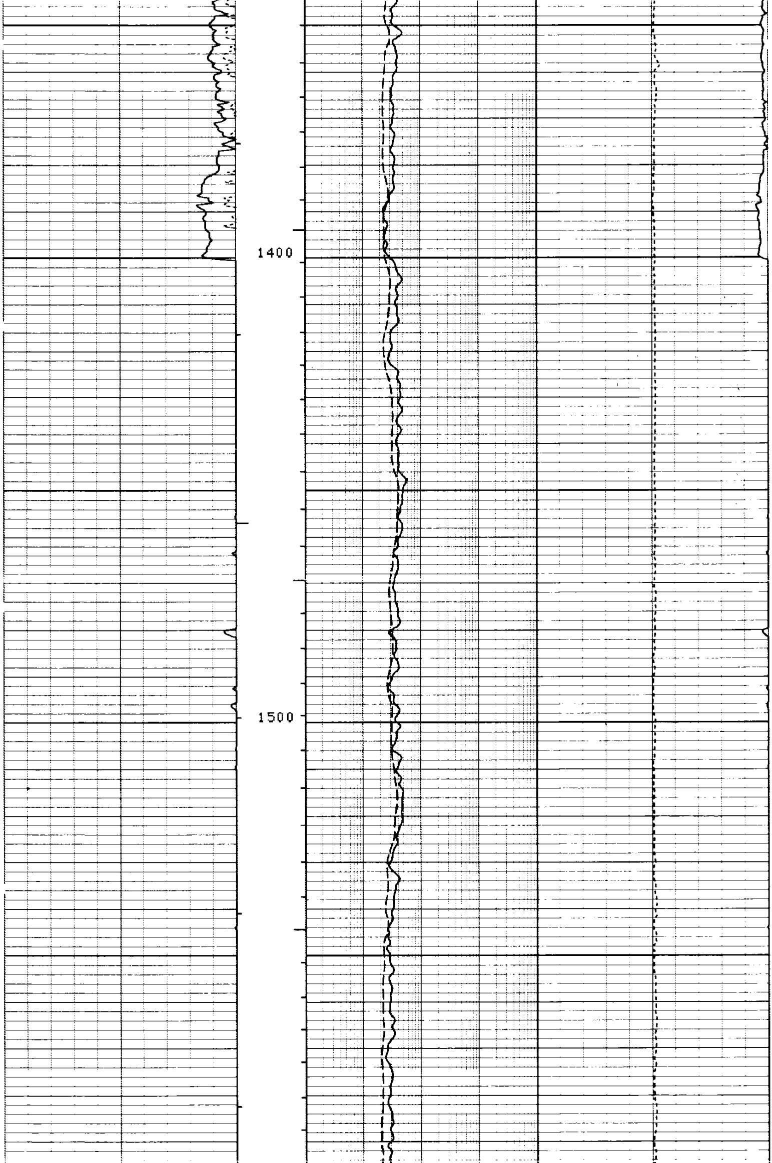
REMARKS: Computation used the following logs:

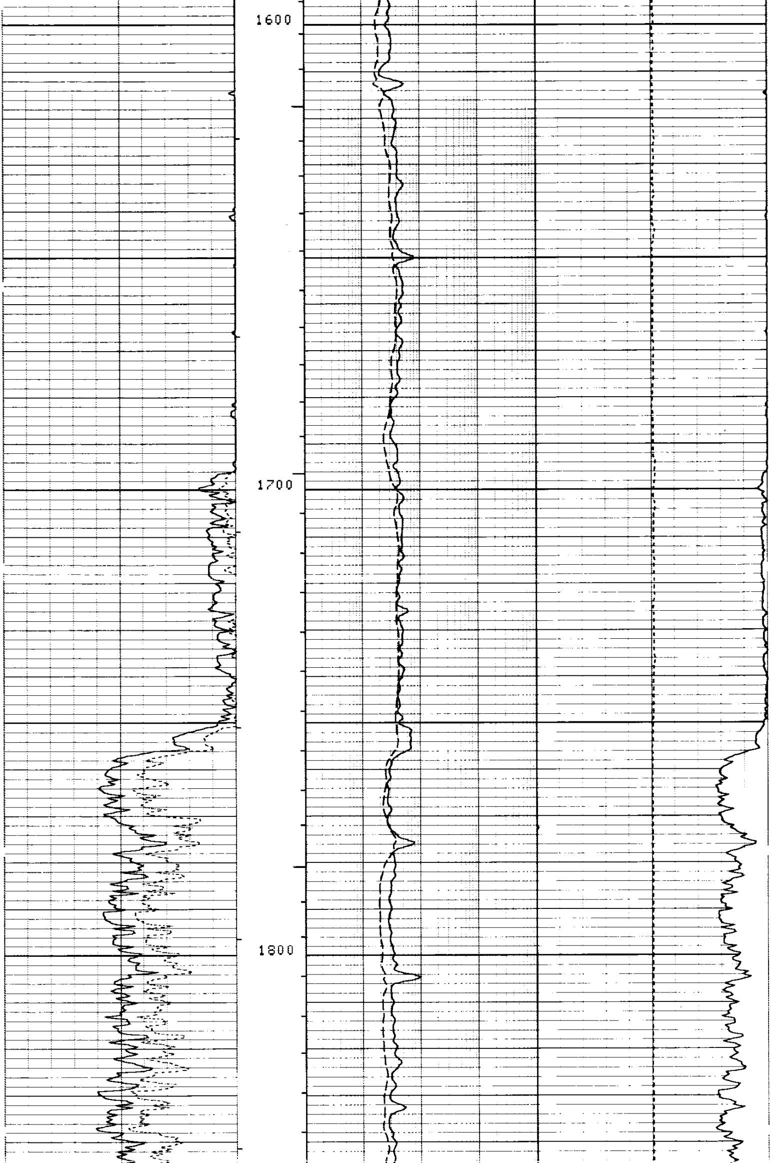


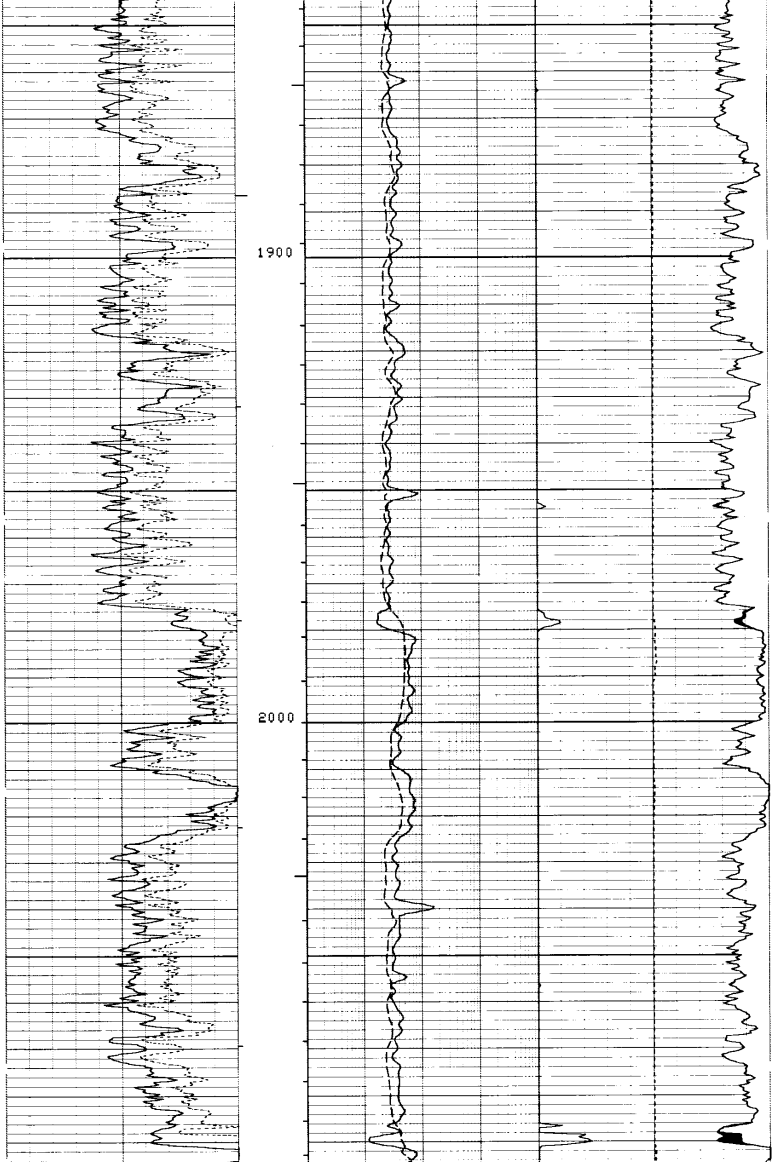


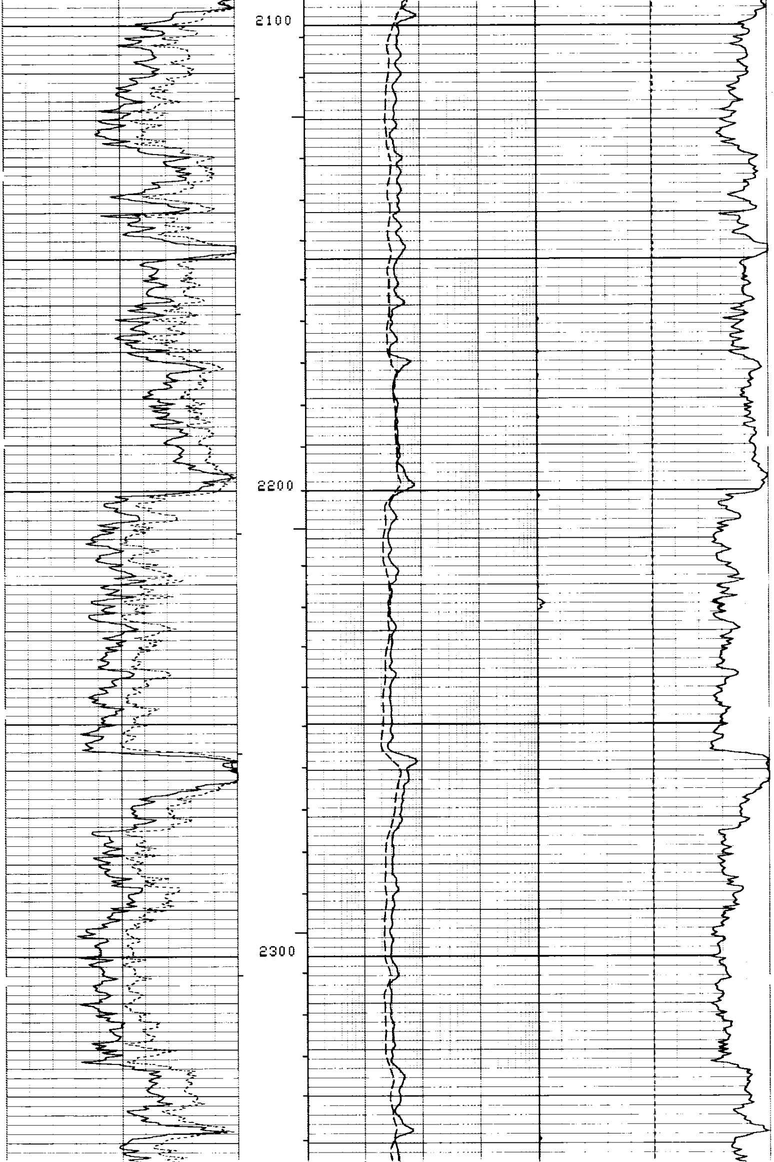


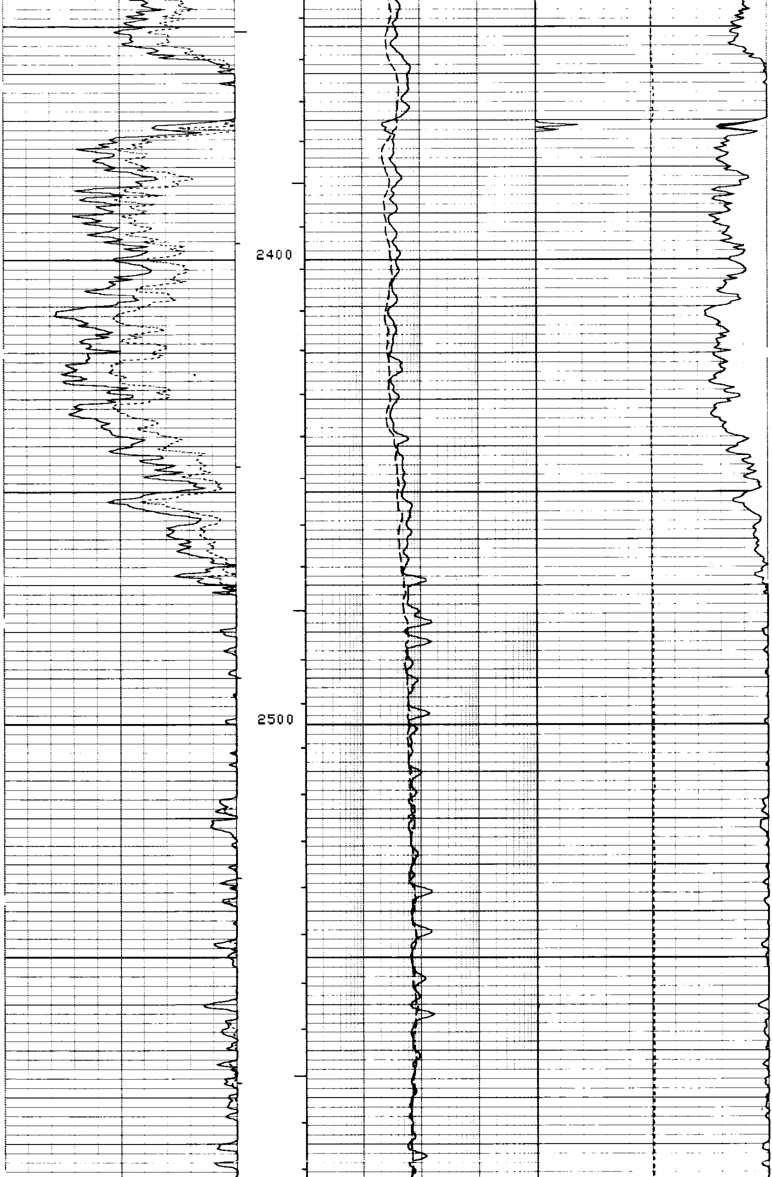


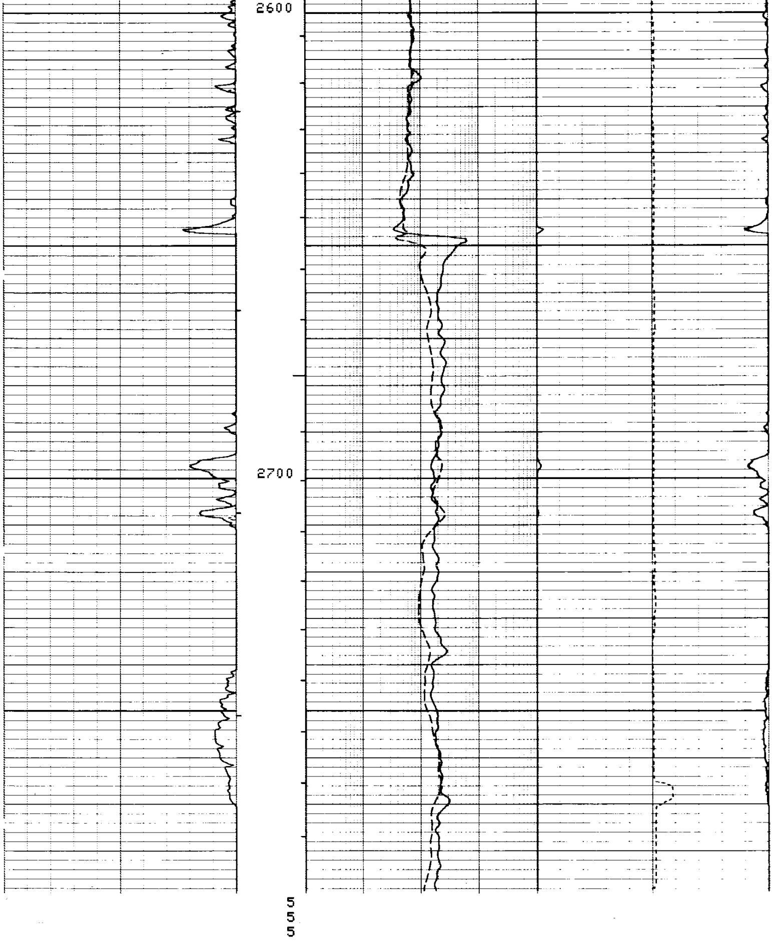












PASS ONE

SPONTANEOUS POTENTIAL

MILLIVOLTS

− |←→| +
10

BOREHOLE CORRECTED GAMMA RAY

API UNITS

0 150

APPARENT GRAIN DENSITY

GRAMS/CC

2.5 3.0

DEPTH

RESISTIVITY OHMS. M²/M

APPARENT FORMATION RESISTIVITY

0.1 1.0 10 100 1000

APPARENT FLUID RESISTIVITY

0.01 0.1 1.0 10 100

POROSITY INDEX

SS-CH MATRIX

COMPENSATED FORMATION DENSITY POROSITY

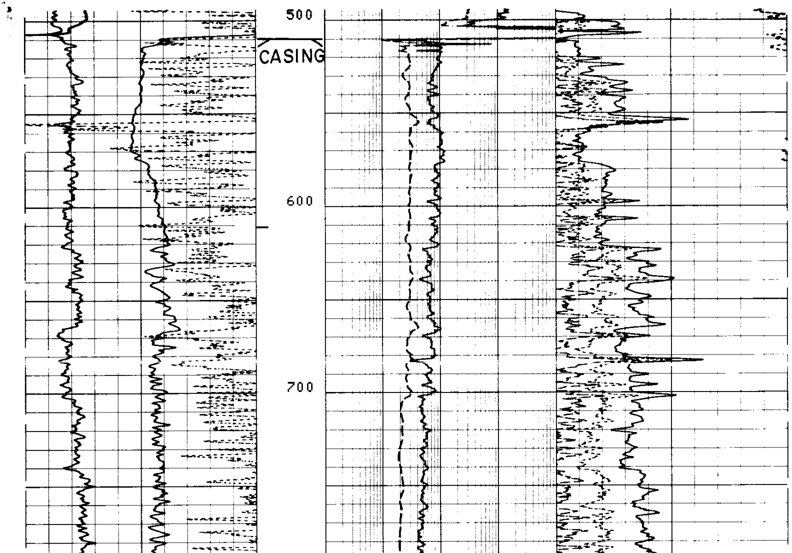
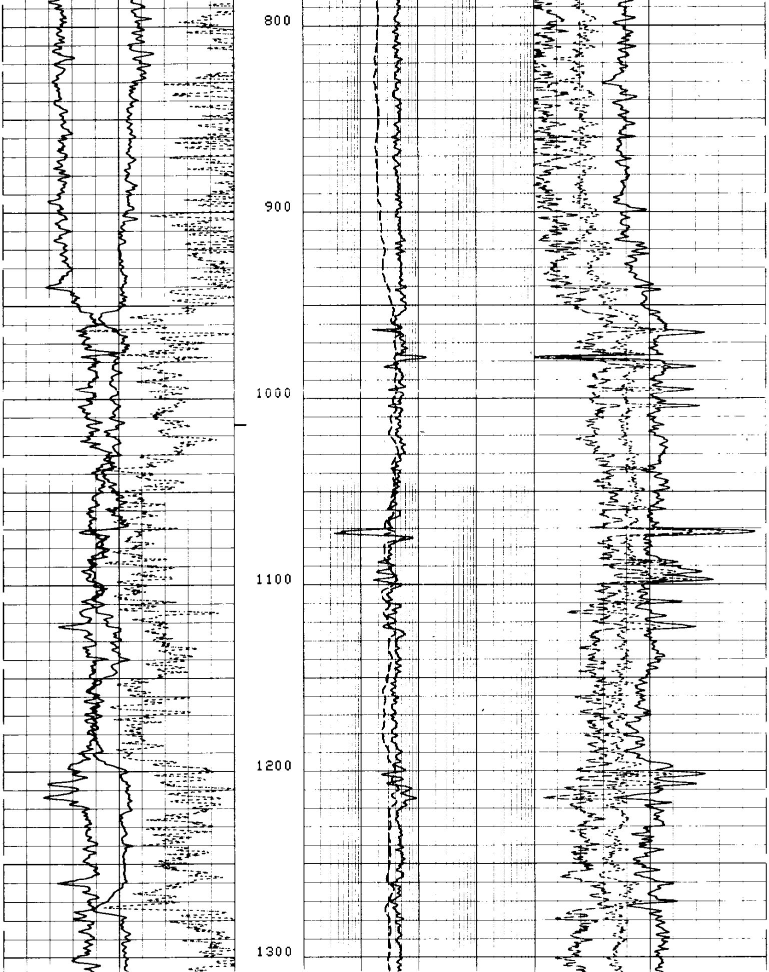
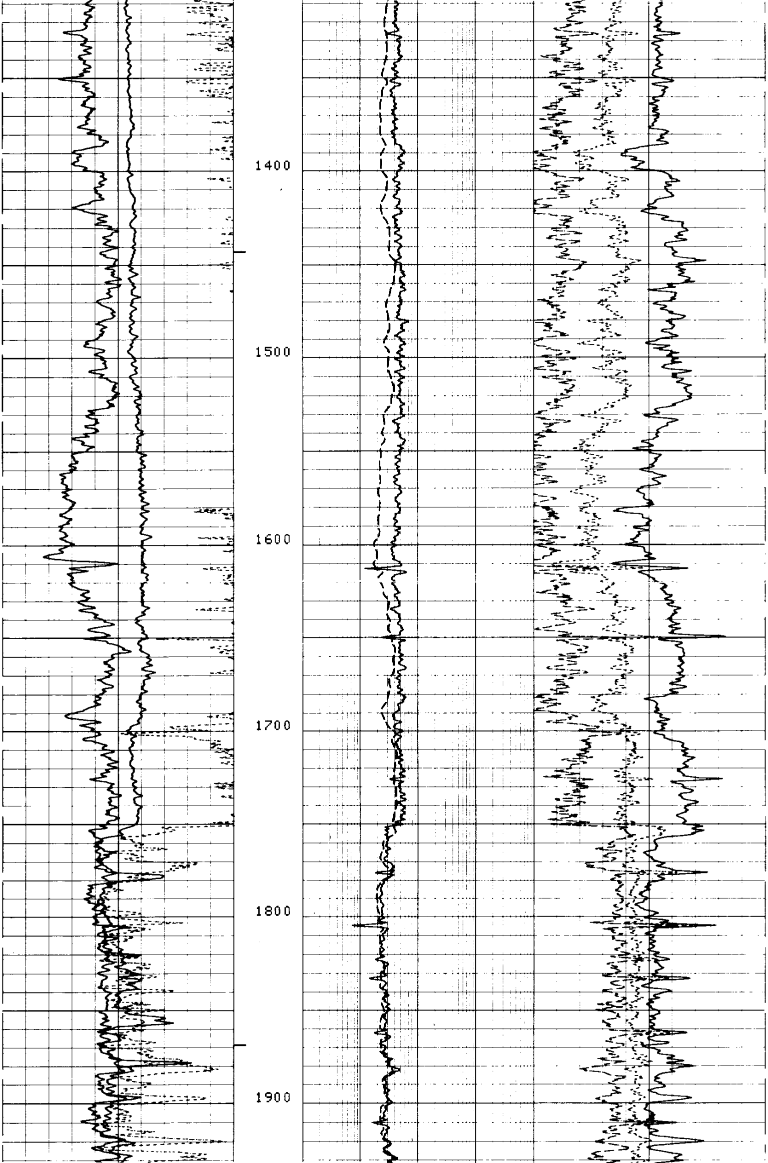
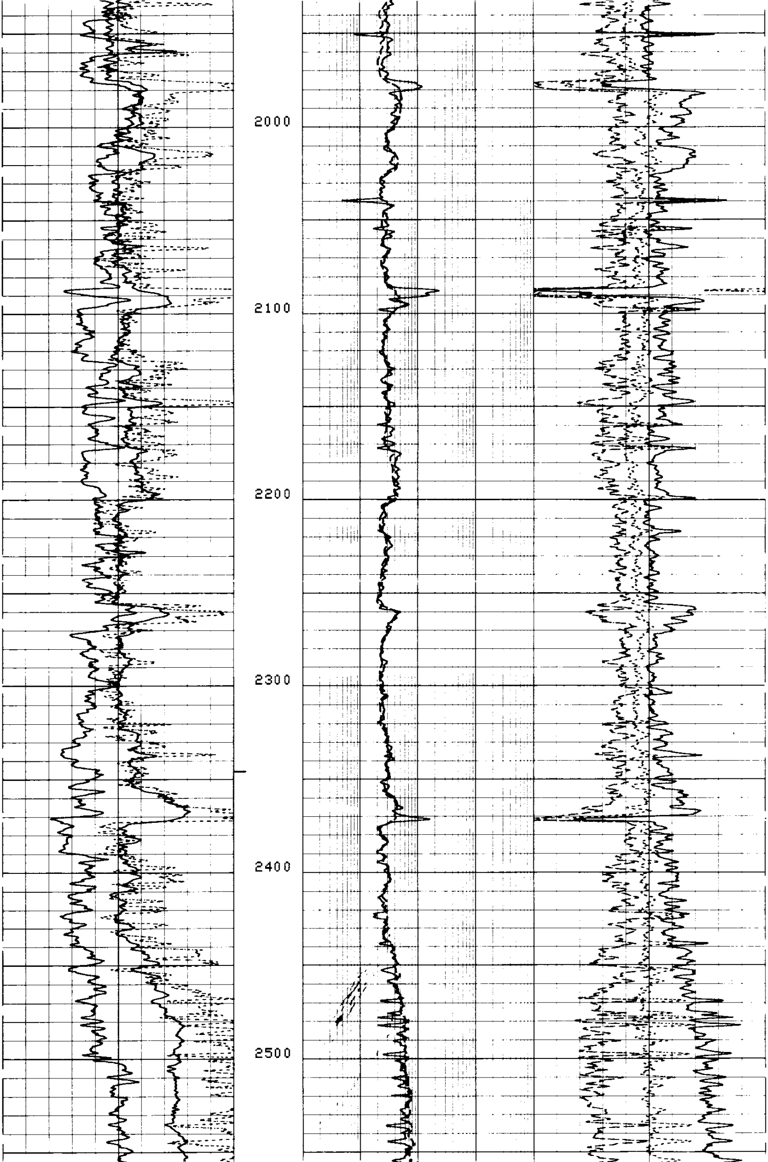
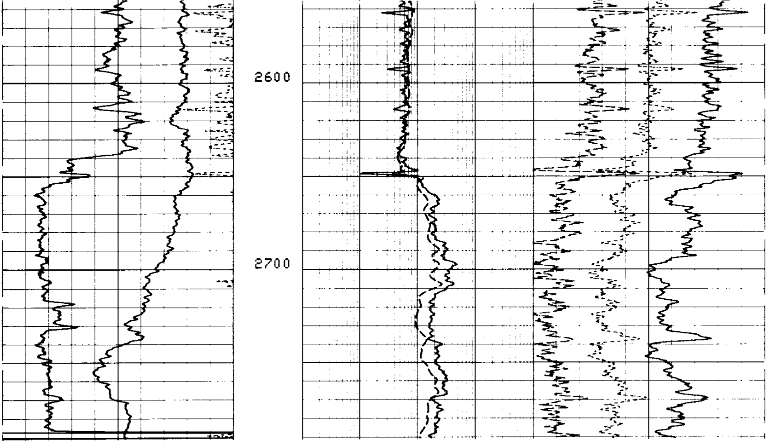
60% 30% 0%

COMPENSATED NEUTRON POROSITY

60% 30% 0%

APPARENT TOTAL POROSITY

60% 30% 0%

8