Watzek 30-1

Schlumberger

SIMULTANEOUS

COMPENSATED NEUTRON-FORMATION DENSITY

COUNTY

FIELD

LOCATION

WELL

COMPANY

COMPANY Quintana Petroleum Corp.

WELL Watzek et al #30-1

FIELD Wildcat

COUNTY Clatsop STATE Oregon

LOCATION			
769' S & 1835' W [illegible]			
API SERIAL NO.	SEC.	TWP.	RANGE
	30	6N	6W

Other Services:
DIL
SONIC
HDT
CST
RFT

Permanent Datum: GL ; Elev.: 870.7

Log Measured From KB 13.6 Ft. Above Perm. Datum

Drilling Measured From KB

Elev.: K.B. 884.3

D.F.

G.L. 870.7

Date	12/12/80			
Run No.	1			
Depth—Driller	6551			
Depth—Logger	6538			
Btm. Log Interval	6536			
Top Log Interval	1600			
Casing—Driller	9 5/8 @ 796	@	@	@
Casing—Logger	796			
Bit Size	8 3/4			
Type Fluid in Hole	LIGNO			
Dens. | Visc.	11.3 | 60			
pH | Fluid loss	10.5 | 3 ml	ml	ml	ml
Source of Sample	CIRC			
Rm @ Meas. Temp.	1.12 @ 74 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	.84 @ 74 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	2.1 @ 72 °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	M | M			
Rm @ BHT	.60 @ 125 °F	@ °F	@ °F	@ °F
TIME Circulation Stopped	10:30			
TIME Logger on Bottom	08:30 12/13			
Max. Rec. Temp.	125 °F	°F	°F	°F
Equip. | Location	8116 | 4406			
Recorded By	Burke [illegible]			
Witnessed By	Sowers			

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

RUN NO.	1			
Service Order No.	135637			
Fluid Level	FULL			
Salinity, PPM CL.	—			
Speed - F.P.M.	—			
EQUIPMENT DATA				
Dens. Panel	NUM BC 443			
Dens. Cart.	—			
Dens. Skid.	472			
Dens. Sonde	1292			
Dens. Source	—			
Dens. Calibrator	—			
Neut. Panel	NUM BC 443			
Neut. Cart.	1420			
Neut. Source	—			
Neut. Calibrator				
GR Cart.	591			
Memorizer Panel	—			
Tape Recorder (TTR)	—			
Depth Encoder (DRE)	—			
Pressure Wheel (CPW)	—			
Centralizers: Enter Spring, Standoffs, In-line, or None — Type	Bow Spring			
No.	—			
S. O. — Inches	—			
CALIBRATION DATA				
GR — BKG. CPS	31.57			
GR — Source CPS	198.3			
GR — Sens. - Cal	165.0			
GR — T. C. - Cal				
CNL — Short Spacing - Before Log	2568			
CNL — Long Spacing - Before Log	1179			
CNL — Short Spacing - After Log	2512			
CNL — Long Spacing - After Log	1182			
FDC — P1 — Before Log	697.0			
FDC — P2 — Before Log	426.5			
FDC — P1 — After Log	672.7			
FDC — P2 — After Log	415.7			

Type Log	Depth		

REMARKS:

LOGGING DATA

DEPTH		CNP			FDC				GR			
Top	Bottom	Porosity Scale	Matrix	Auto Corr. or Hole Size Setting	Porosity Scale	Grain Density	Liquid Density	Hole Fluid	Sens. Logged	T. C.	Zero. Div. Left	Scale Per 100 Div.
1600	6536	.45--.15	SAND	AUTO	.45-.15	2.16	1.0	WAT.	165	–	0	150

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.

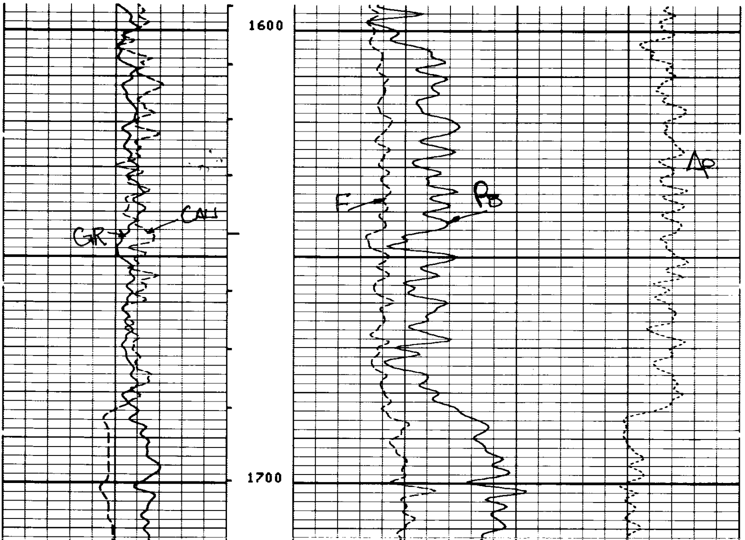
PARAMETERS

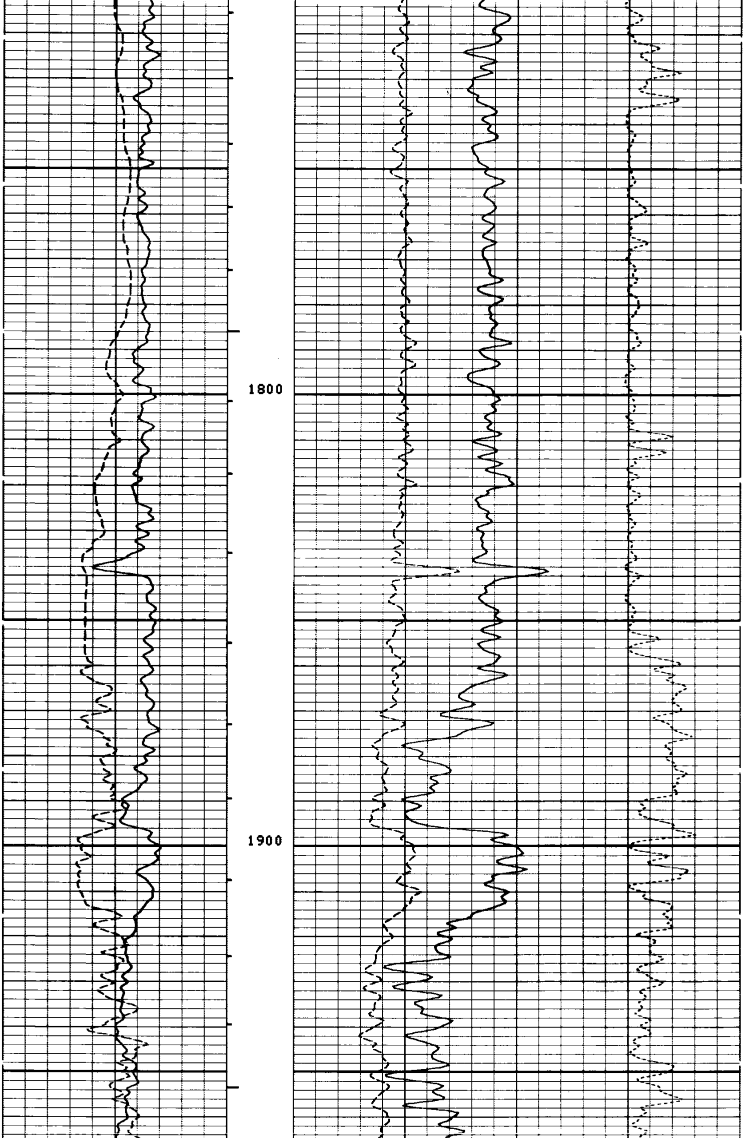
NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
HC		CALI	PSNR		2.160	BS	INCH	8.750
MDEN	G/C3	2.650	FD	G/C3	1.000	MATR		SAND
BHF		WATE						
DO		0.0	BHS		OPEN	FPHI		PHIX

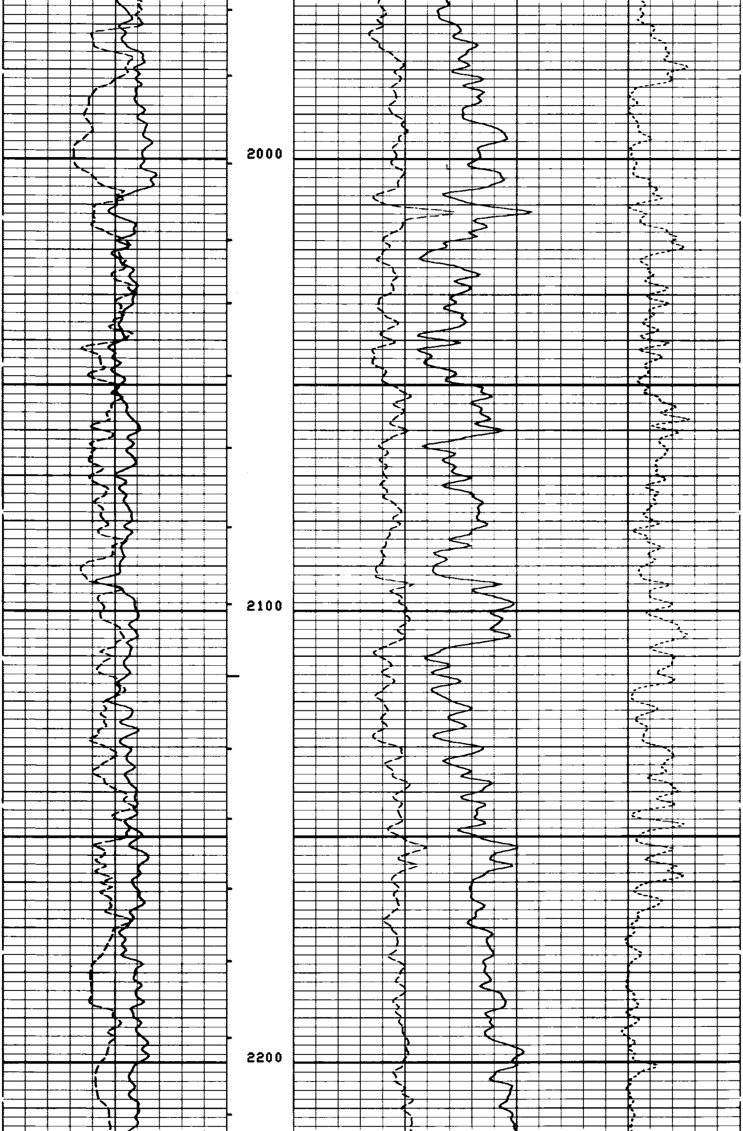
CALI(IN)
6.000 16.00
GR (GAPI)
0.0 150.0

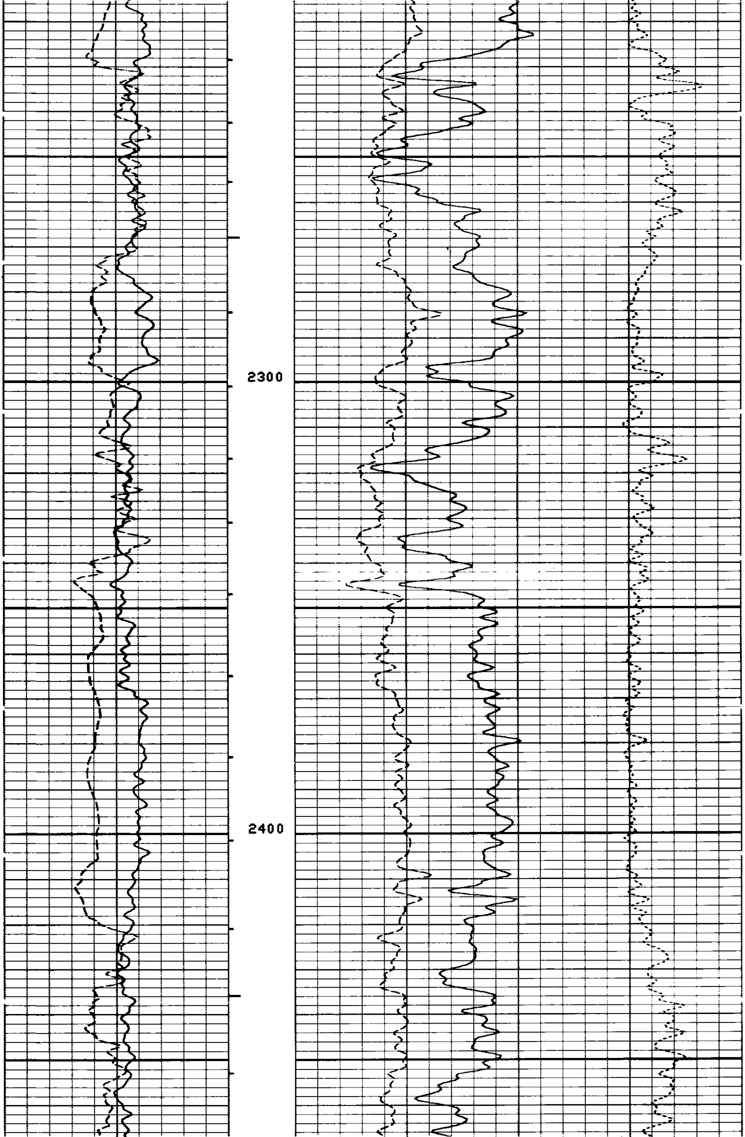
DRHO(G/C3)
-0.250 0.2500
RHOB(G/C3)
2.000 3.000
RO (OHMM)
2.000 20000.

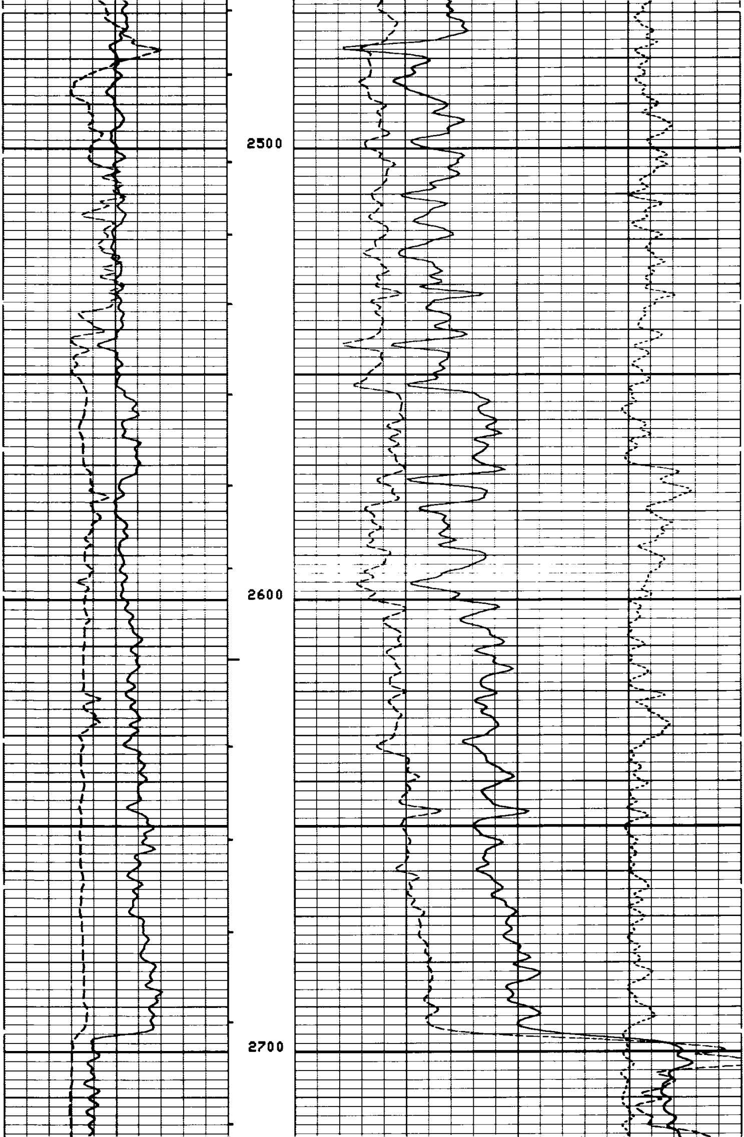
FILE
11

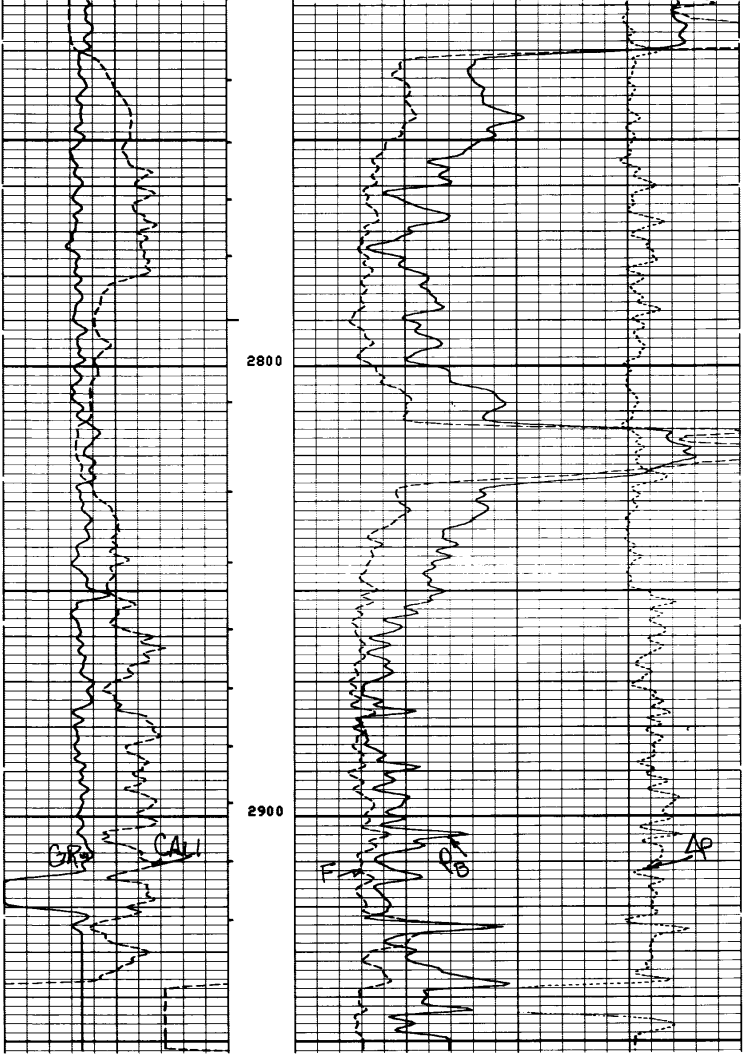












FILE

11

DRHO(G/C3)
-0.250 0.2500

CALI(IN)
6.000 16.00

GR (GAPI)
0.0 150.0

RHOB(G/C3)
2.000 3.000

RO (OHMM)
2.000 20000.

PARAMETERS

NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
HC		CALI	PSNR		2.160	BS	INCH	8.750
MDEN	G/C3	2.650	FD	G/C3	1.000	MATR		SAND
BHF		WATE						
DO		0.0	BHS		OPEN	FPHI		PHIX

PARAMETERS

NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
HC		CALI	PSNR		2.160	BS	INCH	8.750
MDEN	G/C3	2.650	FD	G/C3	1.000	MATR		SAND
BHF		WATE						
DO		0.0	BHS		OPEN	FPHI		PHIX

DRHO(G/C3)
-0.250 0.2500

CALI(IN)
6.000 16.00

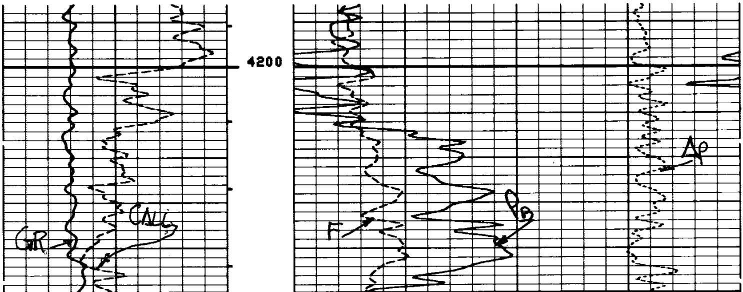
GR (GAPI)
0.0 150.0

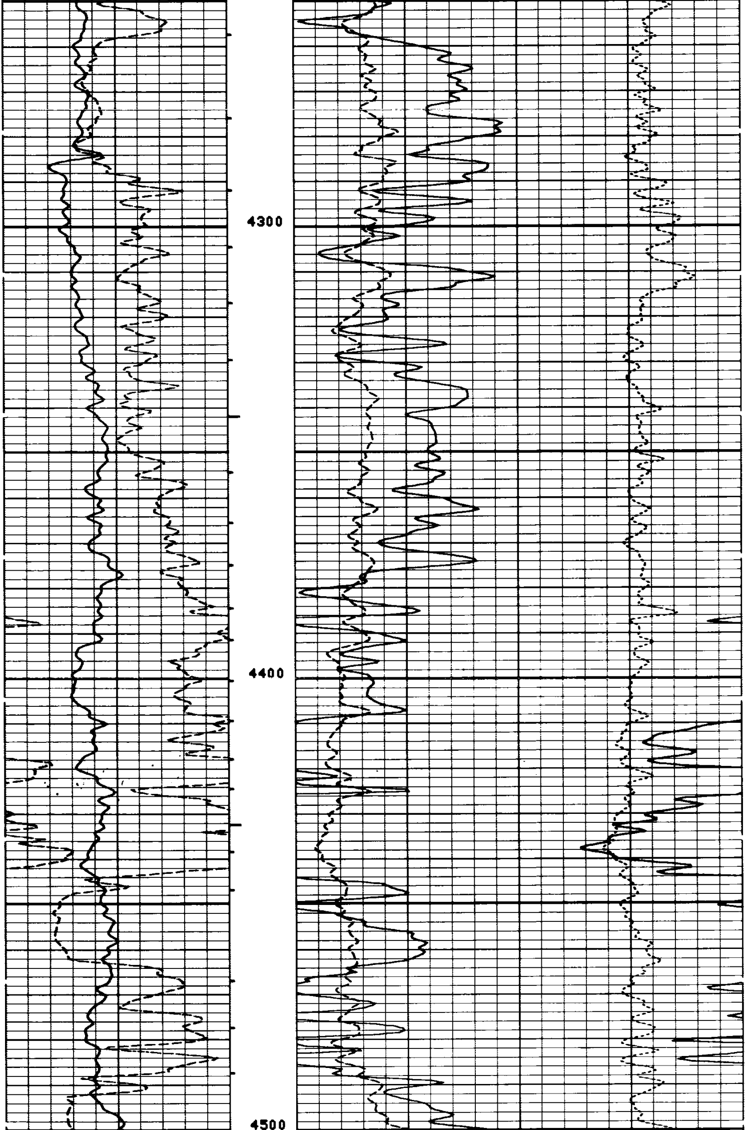
RHOB(G/C3)
2.000 3.000

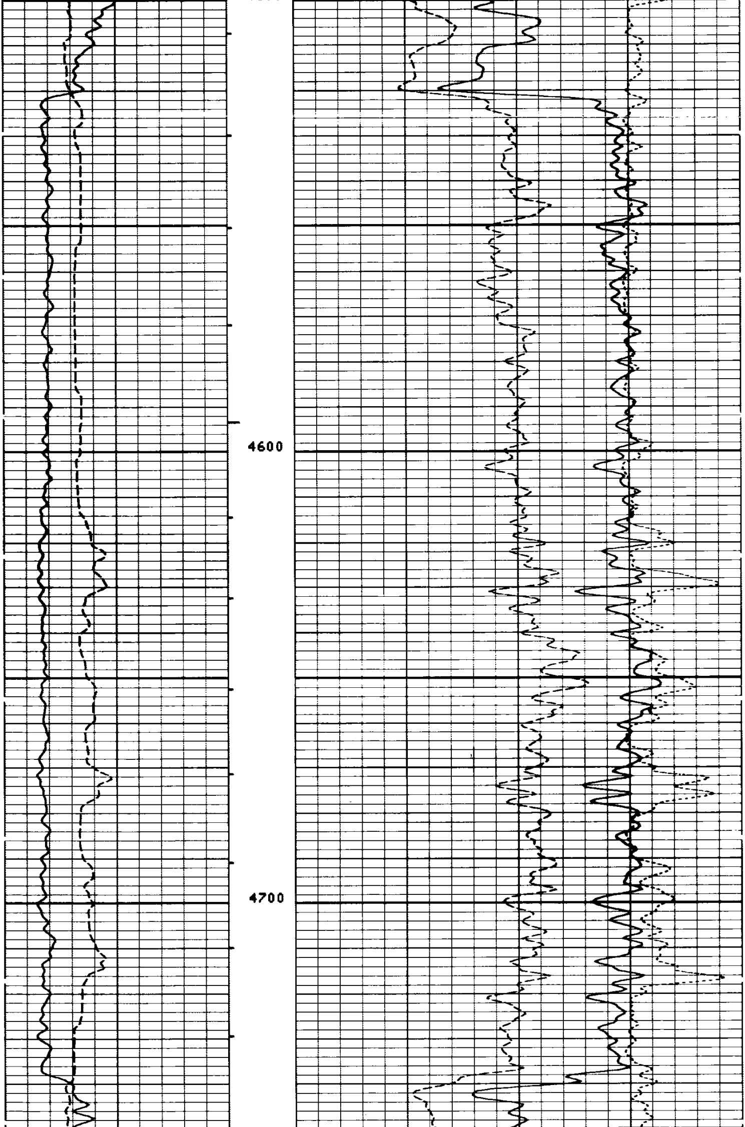
RO (OHMM)
2.000 20000.

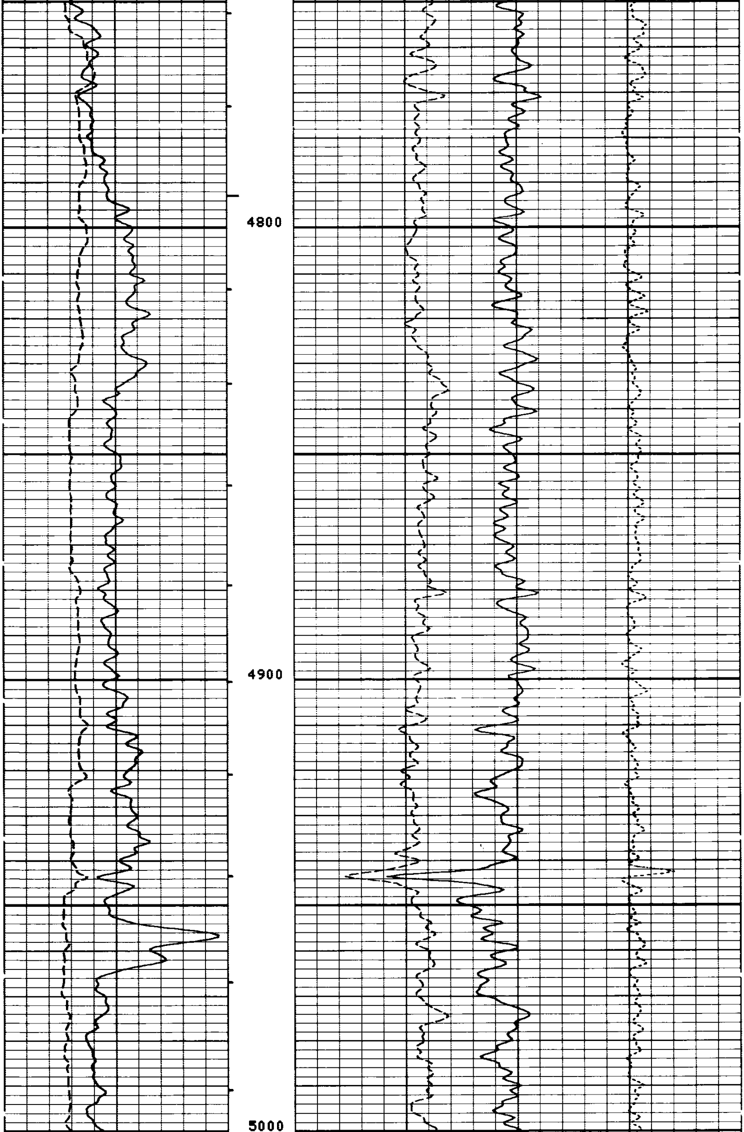
FILE

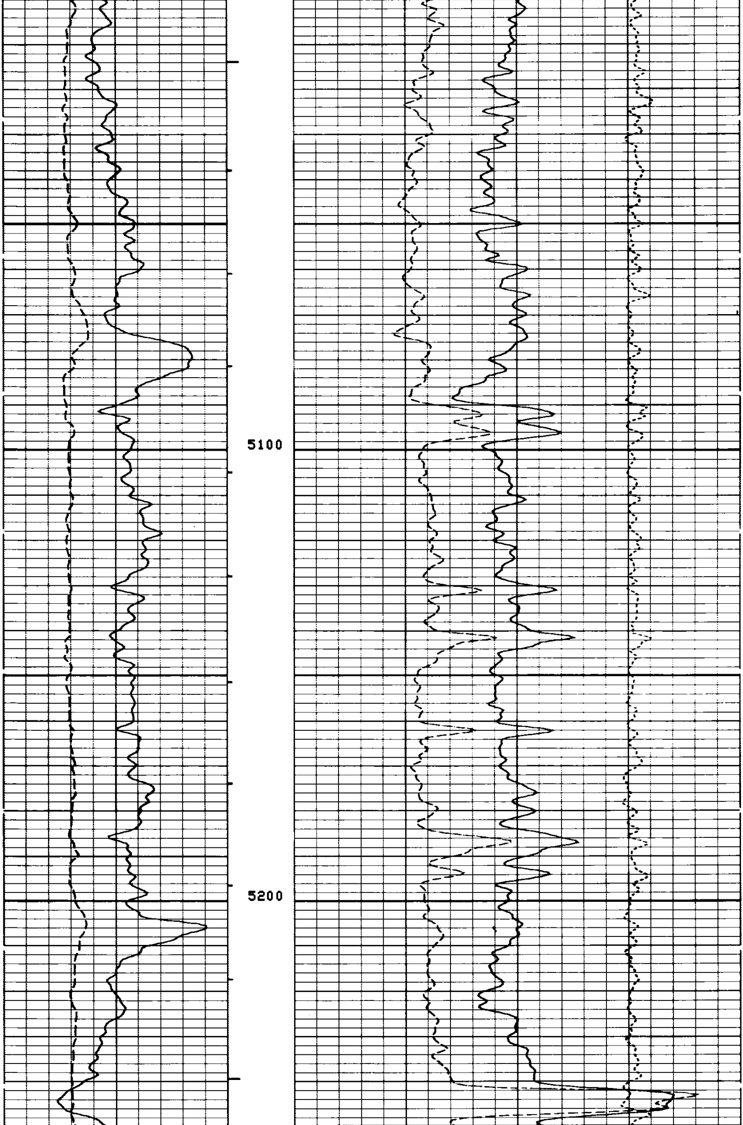
10

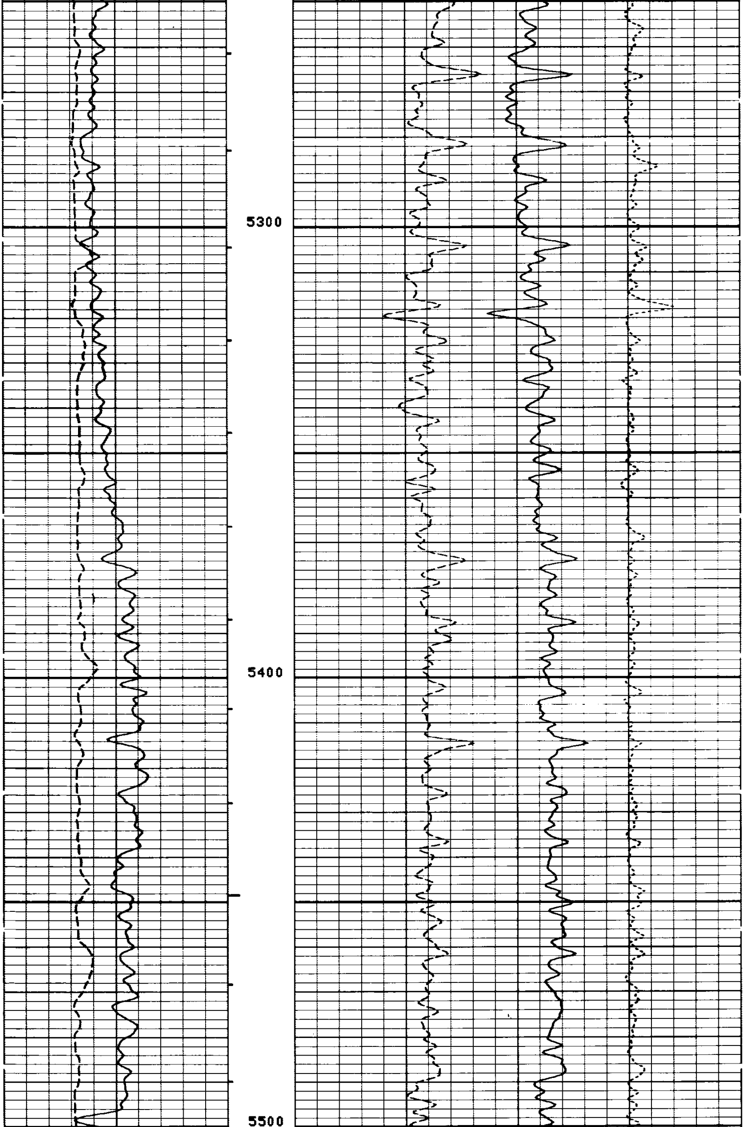


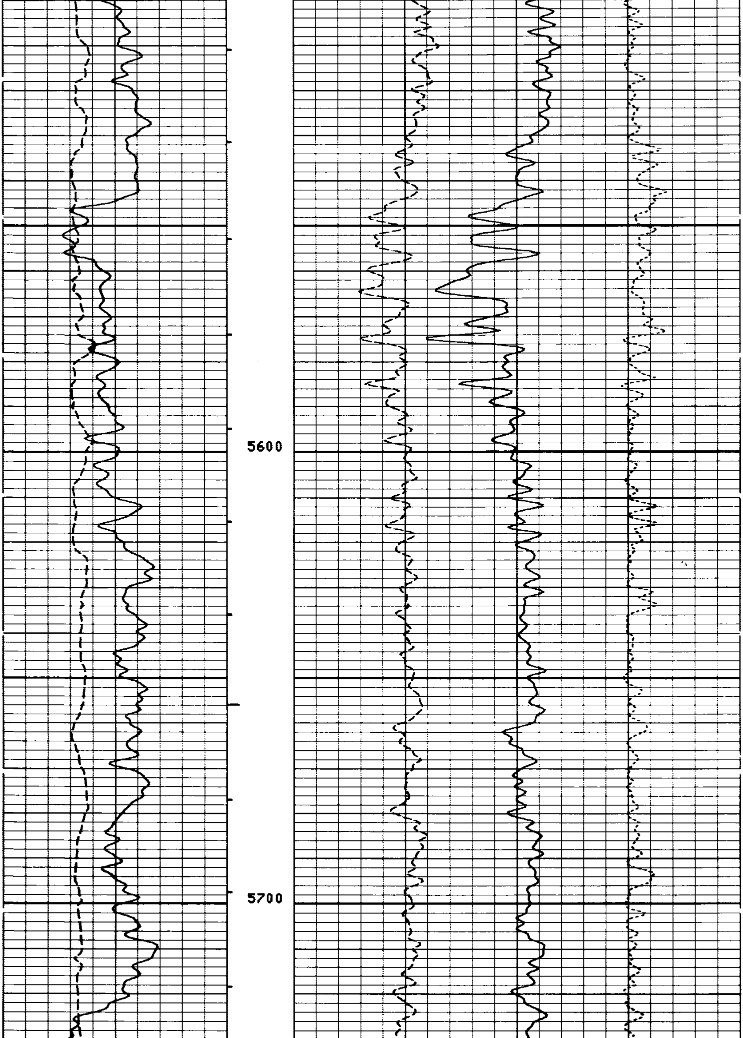


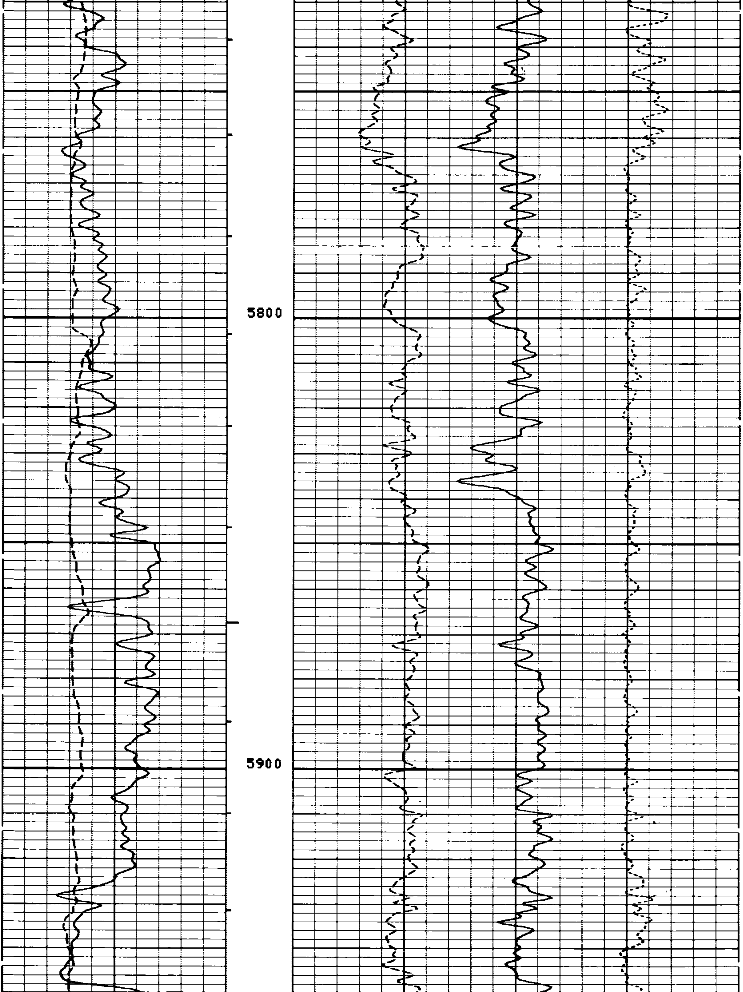


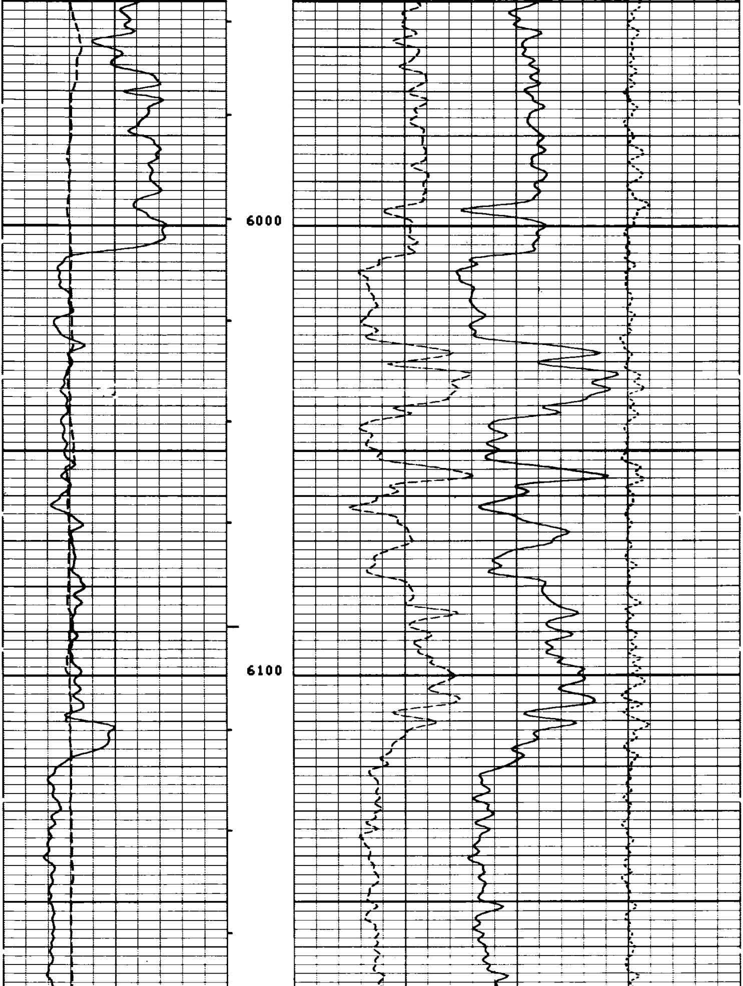


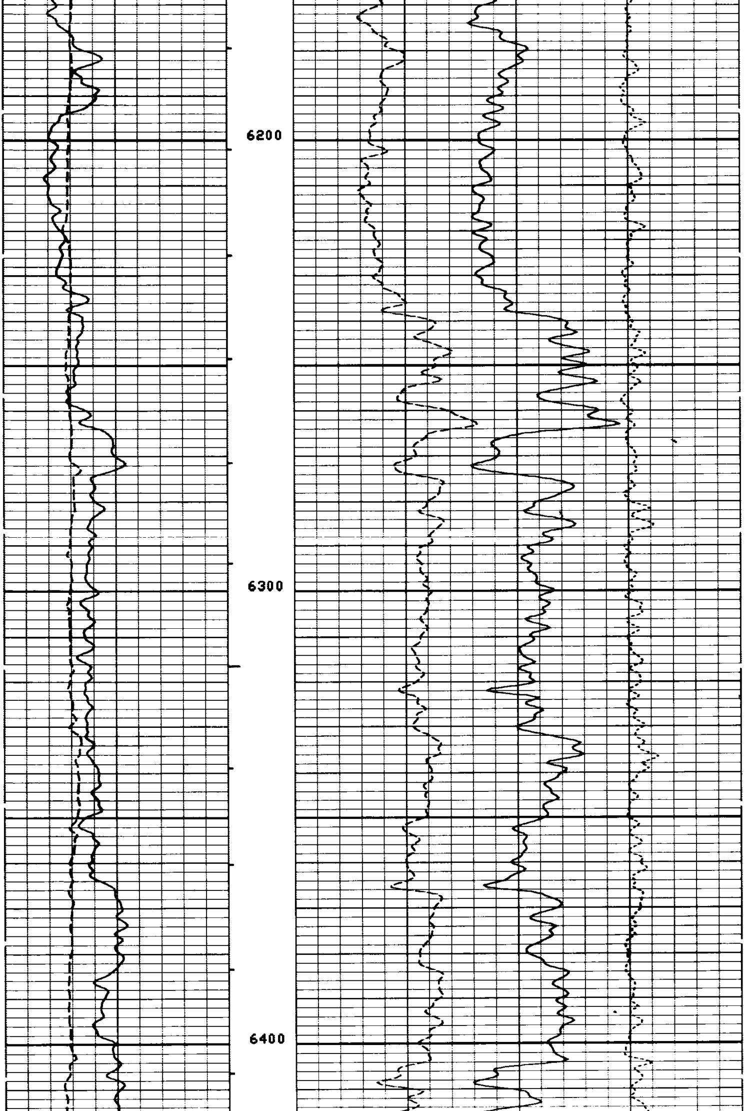


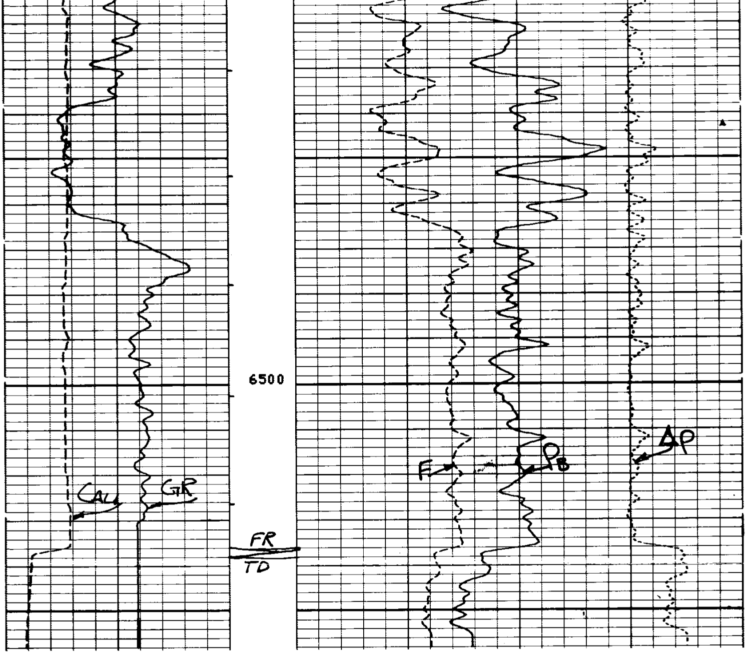












FILE

10

DRHO(G/C3)	-0.250	0.2500
RHOB(G/C3)	2.000	3.000
RO (OHMM)	2.000	20000.
CALI(IN)	6.000	16.00
GR (GAPI)	0.0	150.0

PARAMETERS

NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
HC		CALI	PSNR		2.160	BS	INCH	8.750
MDEN	G/C3	2.650	FD	G/C3	1.000	MATR		SAND
BHF		WATE						
DO		0.0	BHS		OPEN	FPHI		PHIX

PARAMETERS

NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
HC		CALI	PSNR		2.160	BS	INCH	8.750
MDEN	G/C3	2.650	FD	G/C3	1.000	MATR		SAND
BHF		WATE						
DO		0.0	BHS		OPEN	FPHI		PHIX

DRHO(G/C3)
-0.250 0.2500

CALI(IN)
6.000 16.00

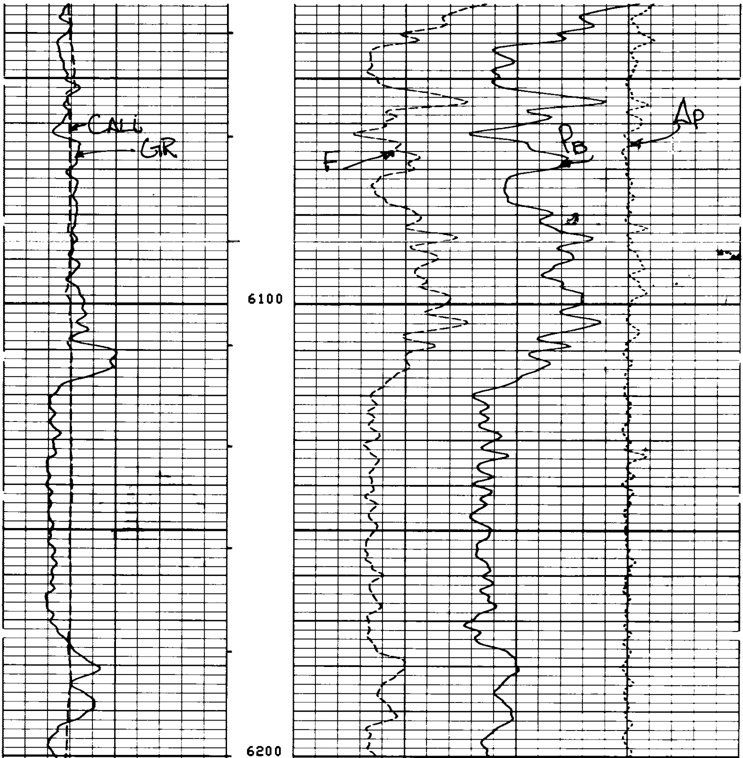
GR (GAPI)
0.0 150.0

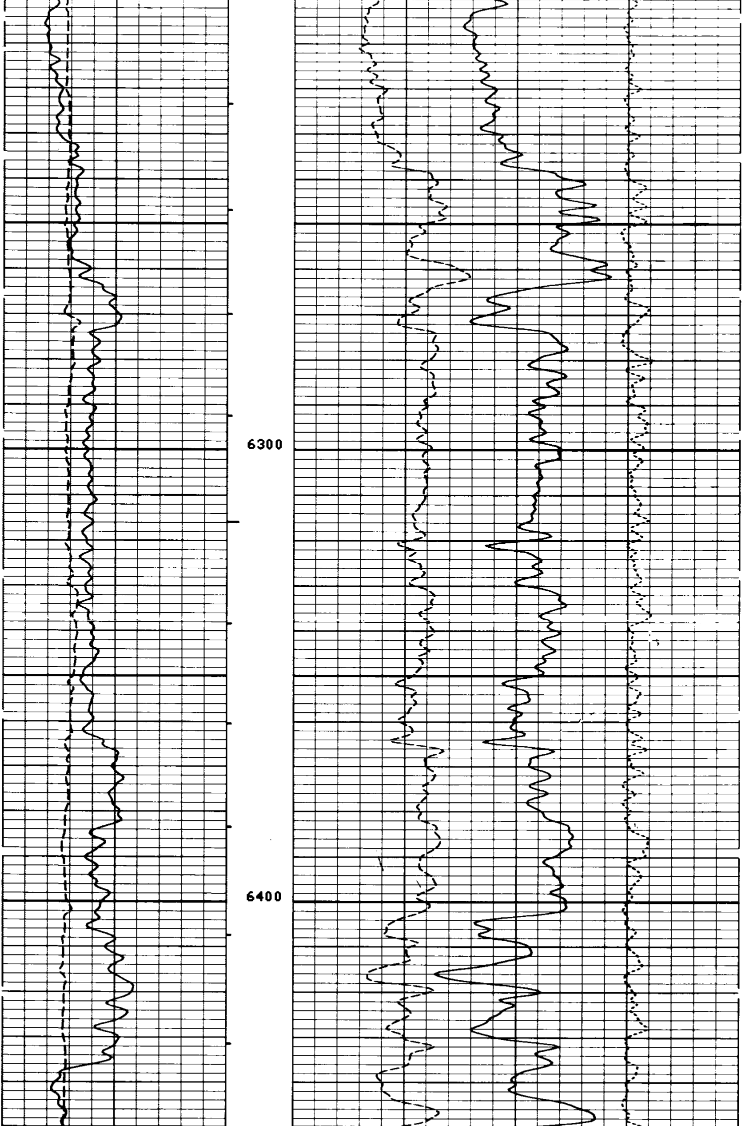
RHOB(G/C3)
2.000 3.000

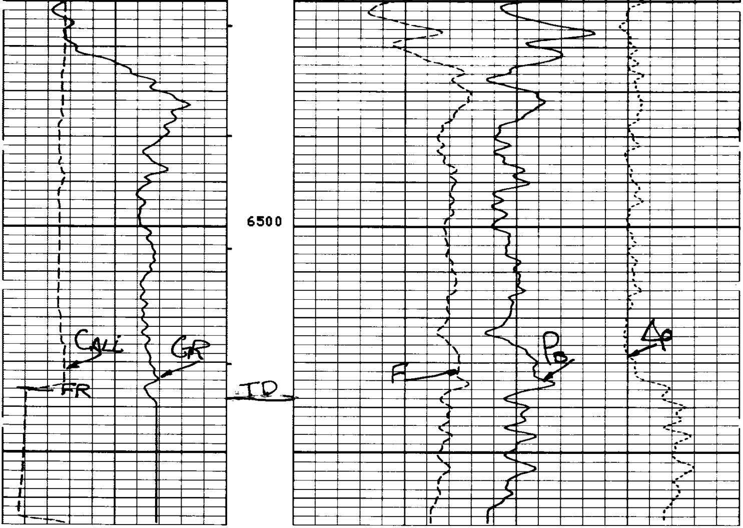
RO (OHMM)
2.000 20000.

FILE
9

REPEAT







FILE

9

REPEAT

CALI(IN)		DRHO(G/C3)
6.000 — 16.00		-0.250 — 0.2500
GR (GAPI)		RHOB(G/C3)
0.0 — 150.0		2.000 — 3.000
		RO (OHMM)
		2.000 — 20000.

PARAMETERS

NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
HC		CALI	PSNR		2.160	BS	INCH	8.750
MDEN	G/C3	2.650	FD	G/C3	1.000	MATR		SAND
BHF		WATE						
DO		0.0	BHS		OPEN	FPHI		PHIX