5"
Schlumberger

SIMULTANEOUS
COMPENSATED NEUTRON-FORMATION DENSITY

COUNTY
FIELD
LOCATION
WELL
COMPANY

COMPANY AMERICAN QUASAR
PETROLEUM CO.
WELL INVESTMENT MANAGEMENT 34-21
FIELD MIST
COUNTY COLUMBIA STATE OREGON

RECEIVED-PTLD
SEP 30 1980
DEPT OF GEOLOGY & MINERAL INDUS

LOCATION 1250' FRNL + 1350' FWL NE OF NW

API SERIAL NO.	SEC.	TWP.	RANGE
	34	6N	4W

Other Services:
DIL
BHC
HDT
CIS

Permanent Datum: GL ; Elev.: 537
Log Measured From KB, 10.5 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 547.5
D.F. —
G.L. 537

Date	8/25/80			
Run No.	ONE			
Depth—Driller	4080			
Depth—Logger	4075			
Btm. Log Interval	4054			
Top Log Interval	476			
Casing—Driller	7" @ 477	@	@	@
Casing—Logger	476			
Bit Size	6¼			
Type Fluid in Hole	Q-BROXIN			
Dens. | Visc.	9.8 | 46			
pH | Fluid Loss	10.2 | — ml	ml	ml	ml
Source of Sample	CIRCULATION			
Rm @ Meas. Temp.	2.02 @ 78 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	2.50 @ 63 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	2.57 @ 64 °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	m | m			
Rm @ BHT	1.54 @ 104 °F	@ °F	@ °F	@ °F
TIME Circulation Stopped	2060			
TIME Logger on Bottom	2308			
Max. Rec. Temp.	104 °F	°F	°F	°F
Equip. | Location	8128 | 4408			
Recorded By	LANGFORD			
Witnessed By	BRUER/MANN			

RECEIVED-PTLD
SEP 23 1980
DEPT OF GEOLOGY & MINERAL INDUS

SW5-1872-K

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

RUN NO.	ONE				
Service Order No.	123130				
Fluid Level	FULL				
Salinity, PPM CL.	—				
Speed - F.P.M.	30				
EQUIPMENT DATA					
Dens. Panel	456				
Dens. Cart.	189				
Dens. Skid.	253				
Dens. Sonde	426				
Dens. Source	5199				
Dens. Calibrator	1241				
Neut. Panel	456				
Neut. Cart.	1420				
Neut. Source	—				
Neut. Calibrator	1446				
GR Cart.	2089				
Memorizer Panel	CSU				
Tape Recorder (TTR)	—				
Depth Encoder (DRE)	—				
Pressure Wheel (CPW)	—				
Centralizers: Enter Spring, Standoffs, In-line, or None — Type	FIN				
Centralizers: Enter Spring, Standoffs, In-line, or None — No.	1				
Centralizers: Enter Spring, Standoffs, In-line, or None — S. O. — Inches	1"				

Type Log	Depth		

REMARKS:

CALIBRATION DATA

GR	BKG. CPS	30			
	Source CPS	210			
	Sens. - Cal	165			
	T. C. - Cal	CSU			
CNL	Short Spacing - Before Log	2581			
	Long Spacing - Before Log	1218			
	Short Spacing - After Log				
	Long Spacing - After Log				
FDC	P¹ — Before Log	797			
	P² — Before Log	478			
	P¹ — After Log				
	P² — After Log				

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.
476	4055	60-0	SSOH	AUTO	60-0	2.65	1.00	WATE	165	CSU	0	150

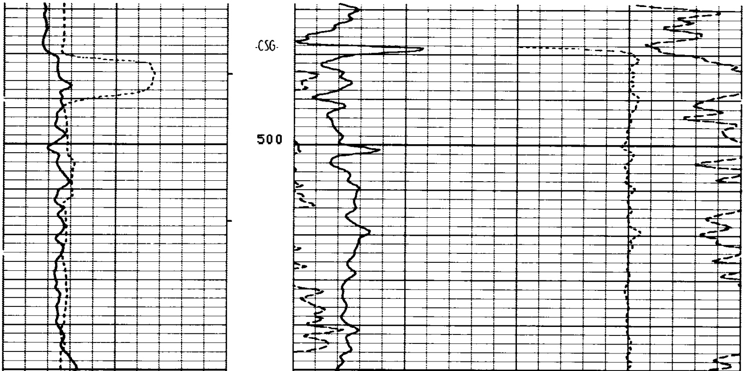
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

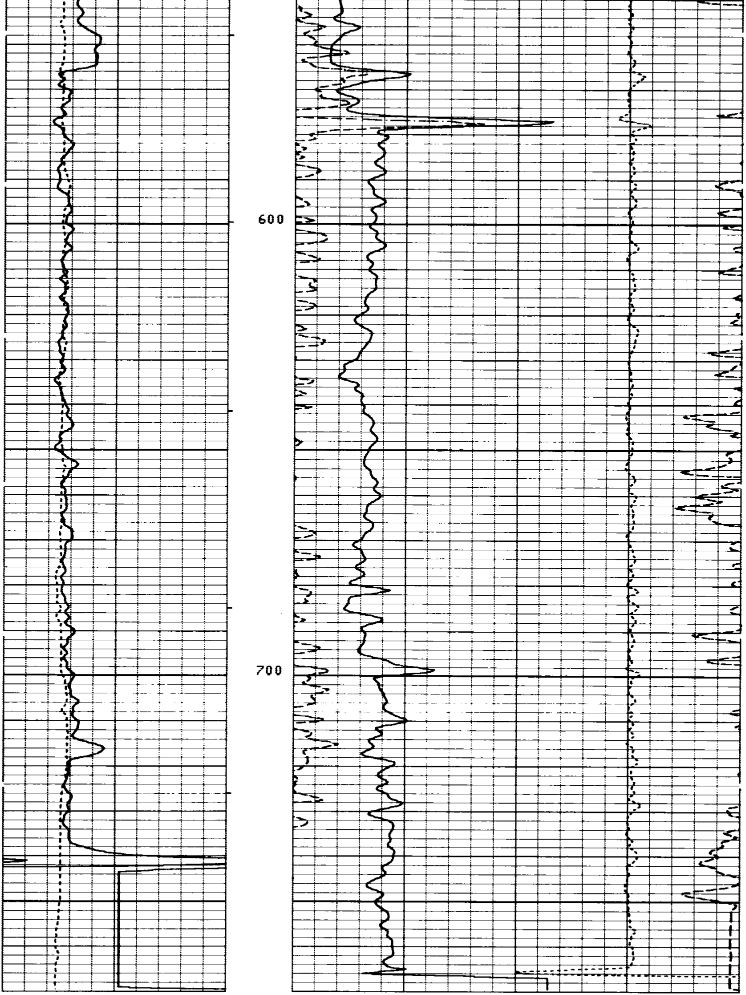
```
                             PARAMETERS

  NAME   UNIT   VALUE         NAME   UNIT   VALUE         NAME   UNIT   VALUE


  HC            CALI          PSNR          2.190         BS     INCH   6.250
  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  )                          DPHI(     )
4.000            14.00   0.6000                                          0.0
      GR  (GAPI)                          NPHI(     )
0.0              150.0   0.6000                                          0.0
```

FILE

6





FILE

6

CALI(IN)
4.000 14.00
GR (GAPI)
0.0 150.0

DRHO(G/C3)
-0.250 0.2500
DPHI( )
0.6000 0.0
NPHI( )
0.6000 0.0

PARAMETERS

NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
HC		CALI	PSNR		2.190	BS	INCH	6.250
MDEN	G/C3	2.650	FD	G/C3	1.000	MATR		SAND
BHF		WATE						
DO		0.0	BHS		OPEN	FPHI		PHIX

PARAMETERS

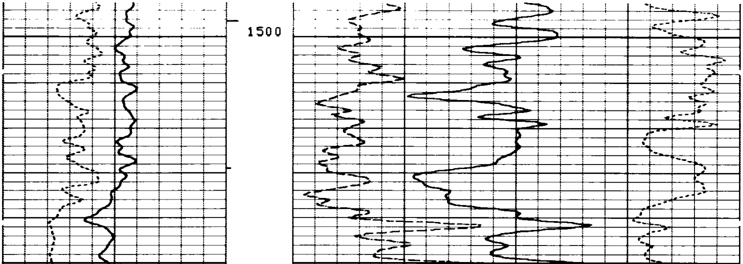
NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
HC		CALI	PSNR		2.190	BS	INCH	6.250
MDEN	G/C3	2.650	FD	G/C3	1.000	MATR		SAND
BHF		WATE						
DO		0.0	BHS		OPEN	FPHI		PHIX

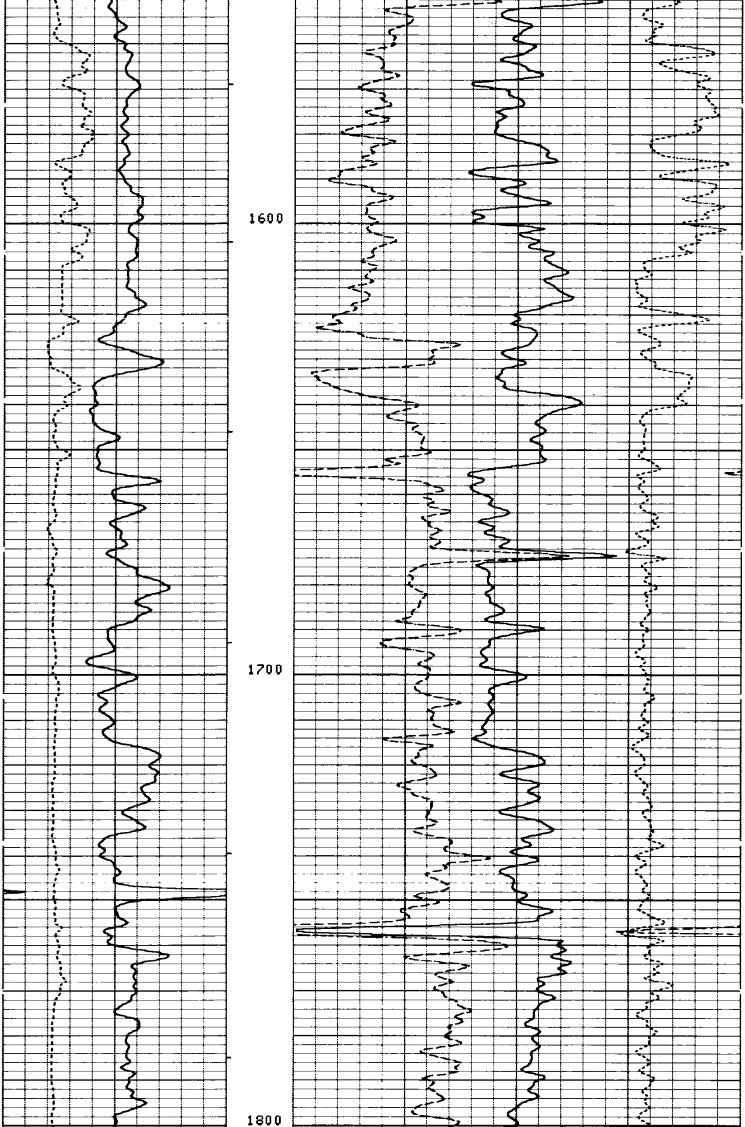
CALI(IN)
4.000 14.00
GR (GAPI)
0.0 150.0

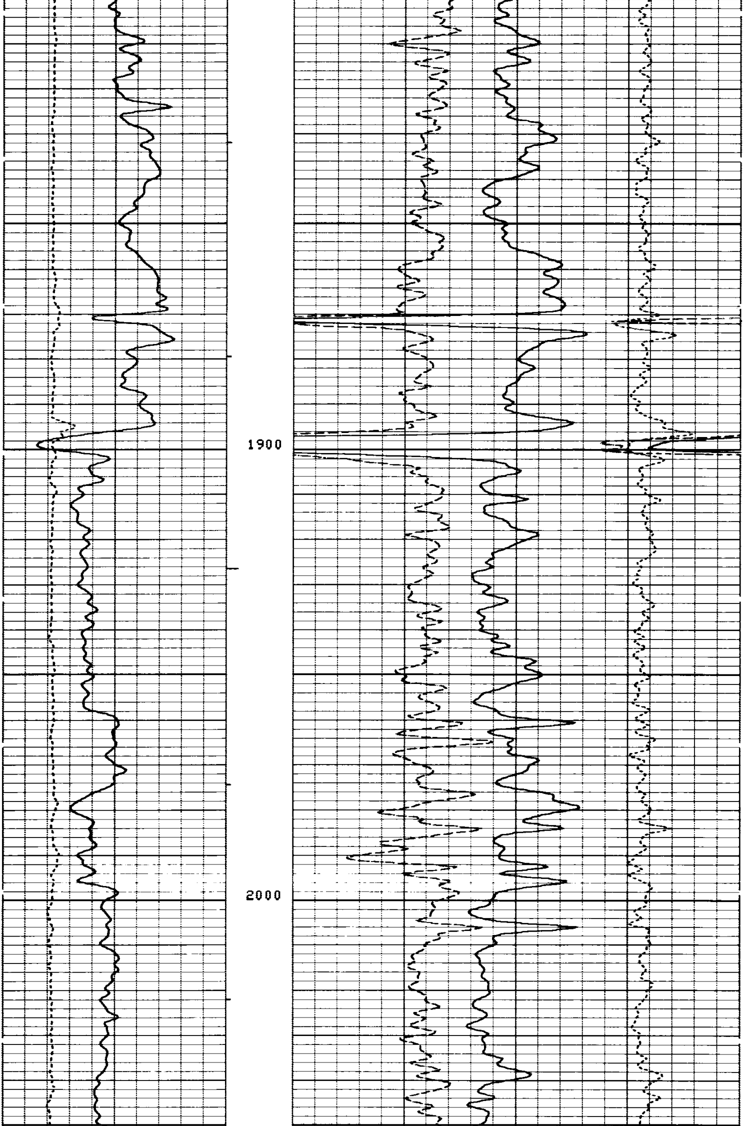
DRHO(G/C3)
-0.250 0.2500
DPHI( )
0.6000 0.0
NPHI( )
0.6000 0.0

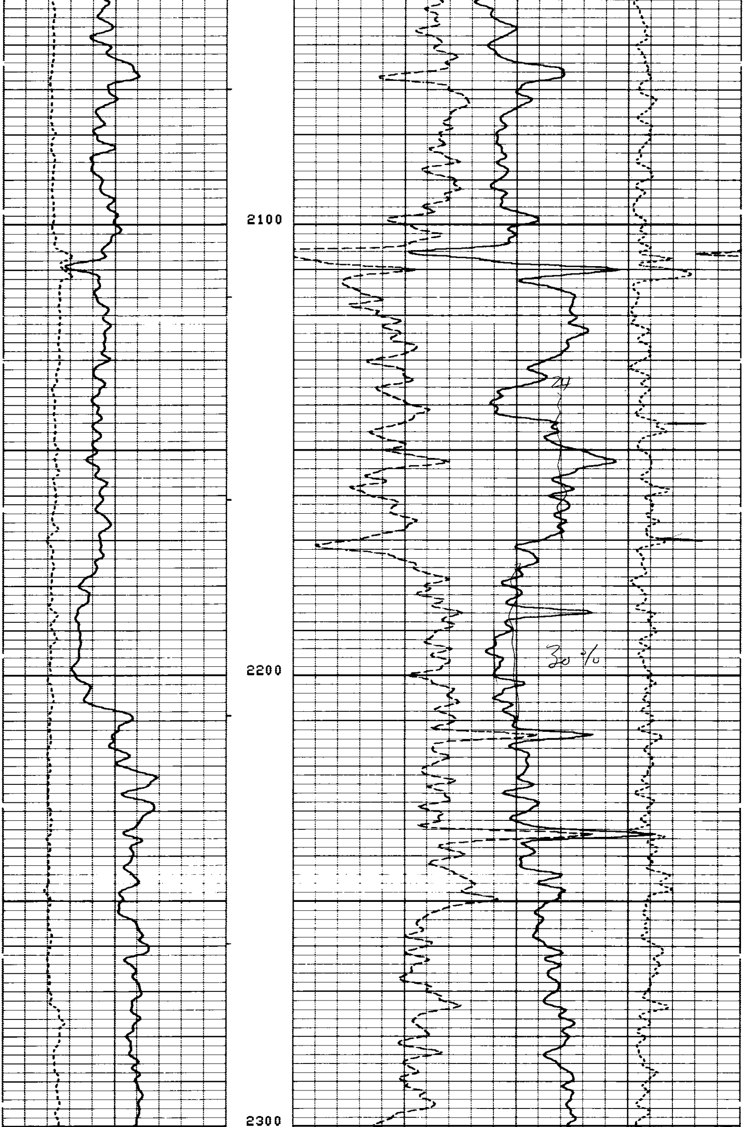
FILE

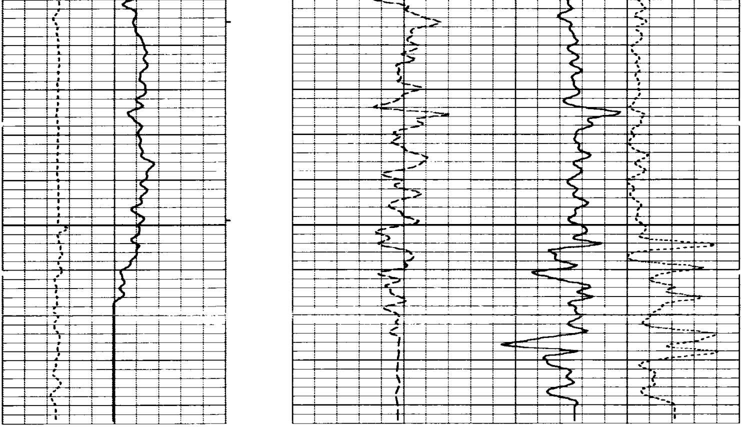
5











FILE

5

CALI(IN)
4.000 14.00
GR (GAPI)
0.0 150.0

DRHO(G/C3)
-0.250 0.2500
DPHI( )
0.6000 0.0
NPHI( )
0.6000 0.0

PARAMETERS

NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
HC		CALI	PSNR		2.190	BS	INCH	6.250
MDEN	G/C3	2.650	FD	G/C3	1.000	MATR		SAND
BHF		WATE						
DO		0.0	BHS		OPEN	FPHI		PHIX

PARAMETERS

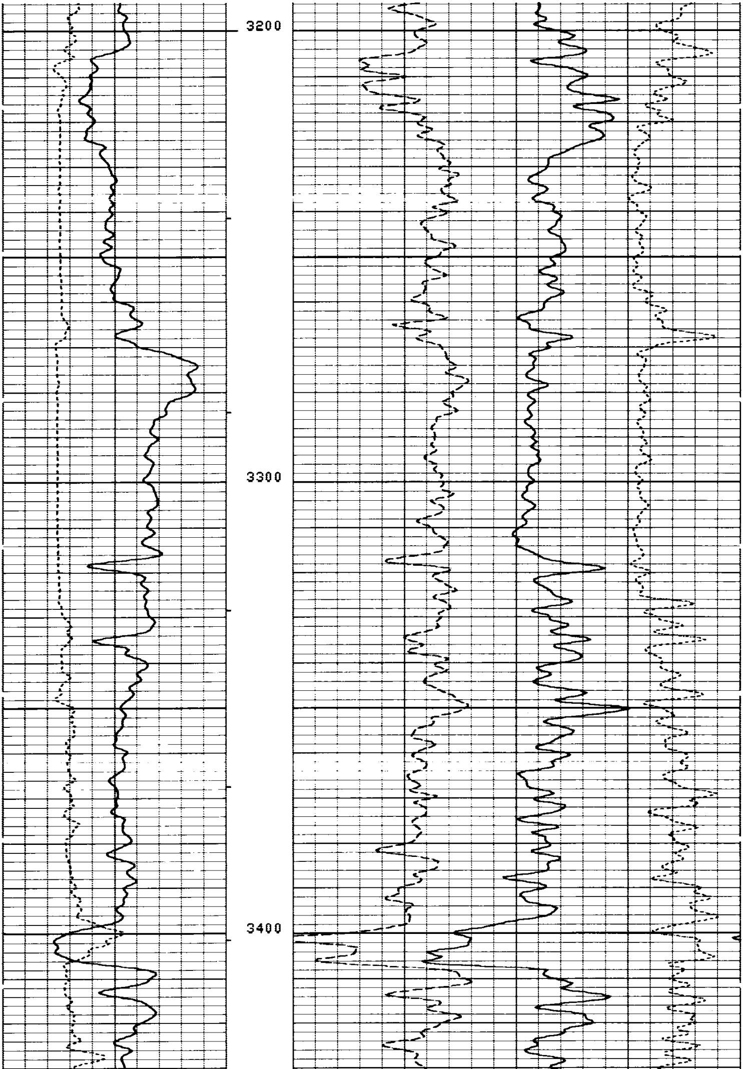
NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
HC		CALI	PSNR		2.190	BS	INCH	6.250
MDEN	G/C3	2.650	FD	G/C3	1.000	MATR		SAND
BHF		WATE						
DO		0.0	BHS		OPEN	FPHI		PHIX

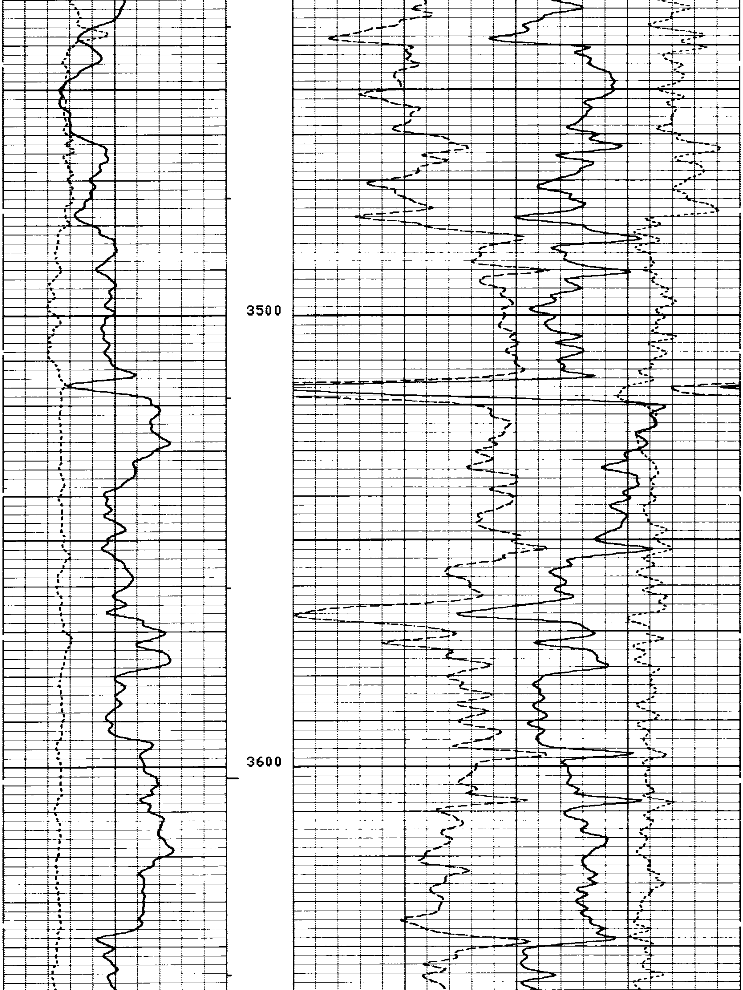
CALI(IN)
4.000 14.00
GR (GAPI)
0.0 150.0

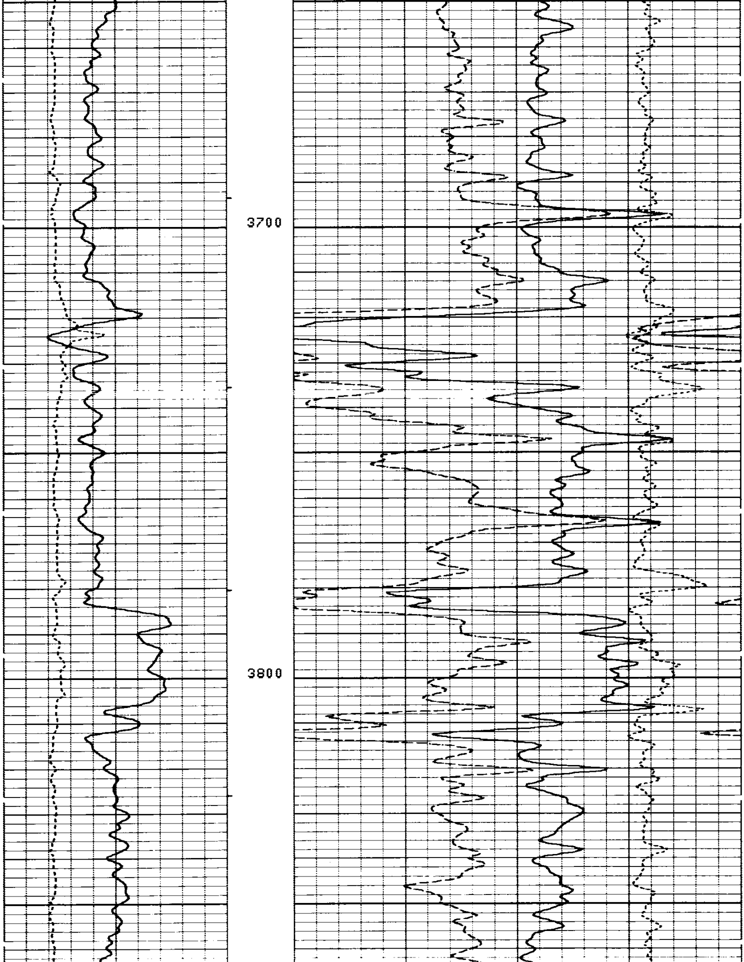
DRHO(G/C3)
-0.250 0.2500
DPHI( )
0.6000 0.0
NPHI( )
0.6000 0.0

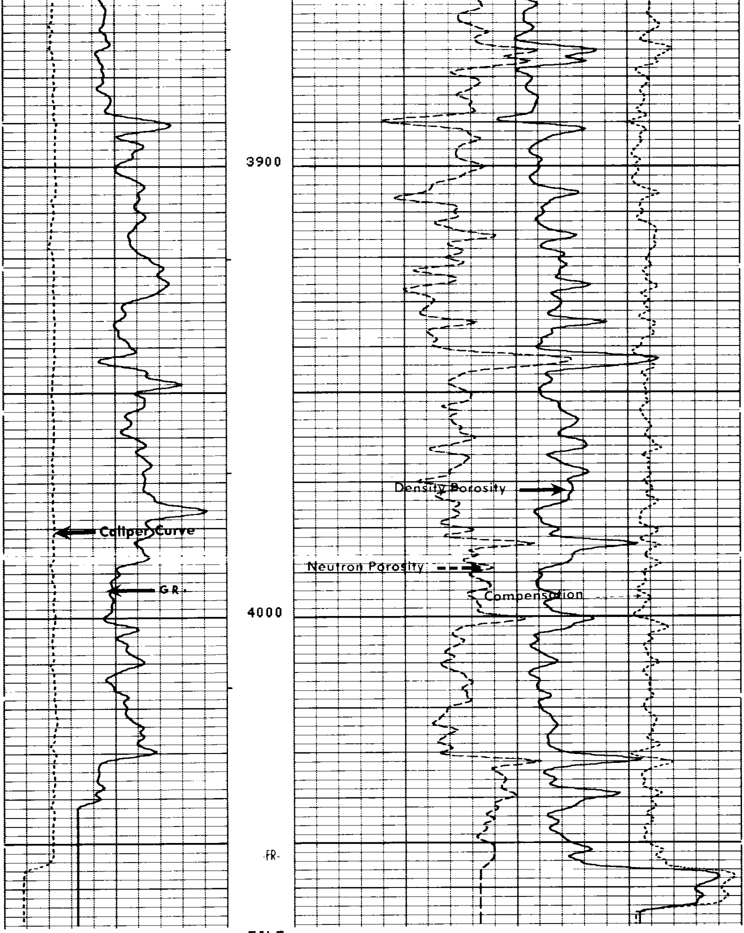
FILE

4









FILE

4

CALI(IN) 4.000 14.00 GR (GAPI) 0.0 150.0		DRHO(G/C3) -0.250 0.2500 DPHI( ) 0.6000 0.0 NPHI( ) 0.6000 0.0

PARAMETERS

NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
HC		CALI	PSNR		2.190	BS	INCH	6.250
MDEN	G/C3	2.650	FD	G/C3	1.000	MATR		SAND
BHF		WATE						
DO		0.0	BHS		OPEN	FPHI		PHIX

REPEAT SECTION

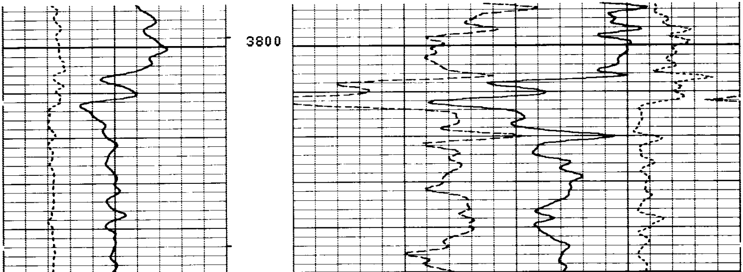
PARAMETERS

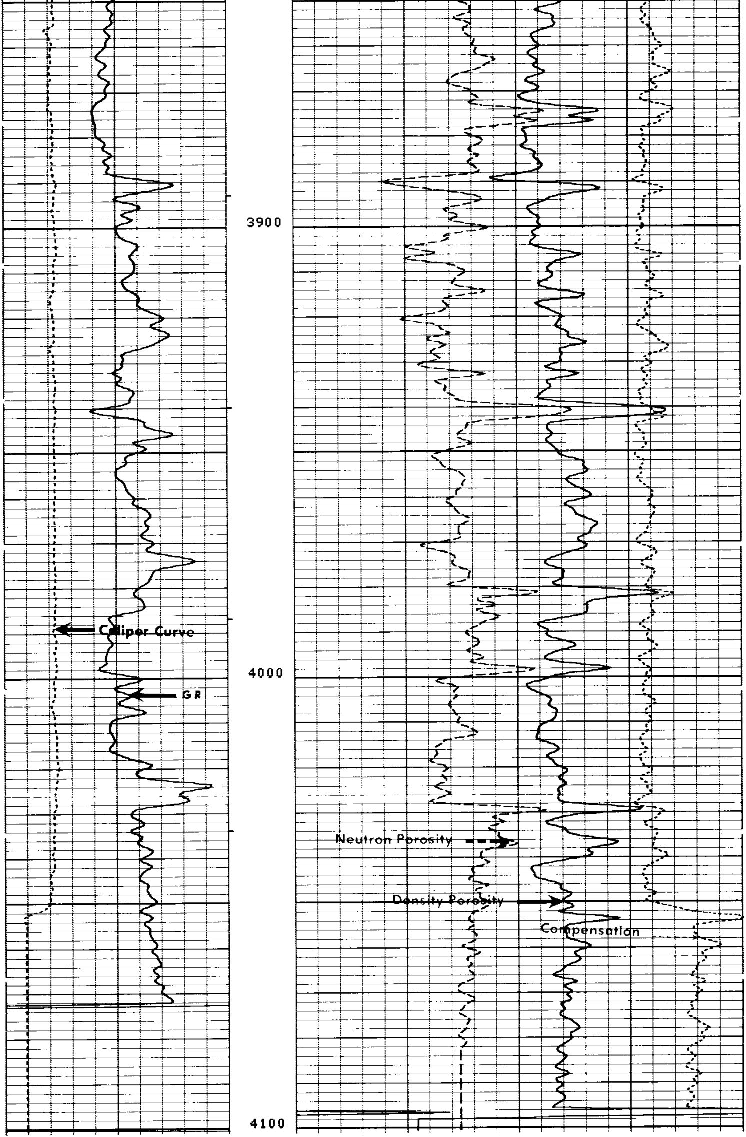
NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
HC		CALI	PSNR		2.190	BS	INCH	6.250
MDEN	G/C3	2.650	FD	G/C3	1.000	MATR		SAND
BHF		WATE						
DO		0.0	BHS		OPEN	FPHI		PHIX

CALI(IN) 4.000 14.00 GR (GAPI) 0.0 150.0		DRHO(G/C3) -0.250 0.2500 DPHI( ) 0.6000 0.0 NPHI( ) 0.6000 0.0

FILE

3





FILE

		DRHO(G/C3) -0.250 0.2500
CALI(IN) 4.000 14.00		DPHI( ) 0.6000 0.0
GR (GAPI) 0.0 150.0		NPHI( ) 0.6000 0.0

PARAMETERS