File: ~~20.07~~ 134

P#854

Schlumberger

DUAL INDUCTION - LATEROLOG

COUNTY POLK, FLA.
FIELD WILDCAT
LOCATION SEC. 21-29S-28E
WELL MASTERPIECE GARDENS 21-2
COMPANY HUGHES ENTERPRISES

COMPANY HUGHES ENTERPRISES *854

WELL MASTERPIECE GARDENS 21-2

FIELD WILDCAT

COUNTY POLK STATE FLORIDA

LOCATION 200'SW OF NW/4

API SERIAL NO.	SEC.	TWP	RANGE
09105 20003	21	29S	28E

Other Services:
FDC/CNL/GR

FILE #8546

Permanent Datum: GROUND LEVEL ; Elev.: 74
Log Measured From RKB 16.5 Ft. Above Perm. Datum
Drilling Measured From GROUND LEVEL

Elev.: K.B. 90.5
D.F. 87.5
G.L. [illegible]PROX 74.0

Date	12/11/76			
Run No.	ONE			
Depth—Driller	7387			
Depth—Logger (Schl.)	7210			
Btm. Log Interval	7204			
Top Log Interval	2082			
Casing—Driller	9 5/8 @2082	@	@	@
Casing—Logger	2082			
Bit Size	8 3/4			
Type Fluid in Hole	WATER			
Dens. | Visc.	- | --			
pH | Fluid Loss	- | - ml	ml	ml	ml
Source of Sample	NO RETURNS			
Rm @ Meas. Temp.	- @ - °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	- @ - °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	.. @ - °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	- | -			
Rm @ BHT	@ - °F	@ °F	@ °F	@ °F
TIME Circulation Stopped				
TIME Logger on Bottom	1400			
Max. Rec. Temp.	140 °F	°F	°F	°F
Equip. | Location	7644 | FT. MYERS			
Recorded By	RANGE			
Witnessed By Mr.	HUGHES-RICHTER			

RECEIVED
JUL 1 1977
BUREAU OF GEOLOGY

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

Run No.	ONE			
Service Order No.	19334			
Fluid Level	200			
Speed F.P.M.	100			
Salinity ppm. cl	-			

EQUIPMENT DATA

Panel	419			
Cartridge	304			
Sonde	5			
Memorizer Panel	340			
Centralizer Type	FIN			
Stand-off - Inches	1½			
G.R. Panel	340			
G.R. Cartridge	1212			

CALIBRATION DATA

ILD Sonde Error	110			
ILM Sonde Error	200			
G.R. Background	60			
G.R Source	460			
T.C. - Cal.	AUTO			

LOGGING DATA

ILD Sonde Error	110			
ILM Sonde Error	200			
G.R. Scale per 100 Div.	100			
G.R. - T.C. - Log	AUTO			

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

REMARKS

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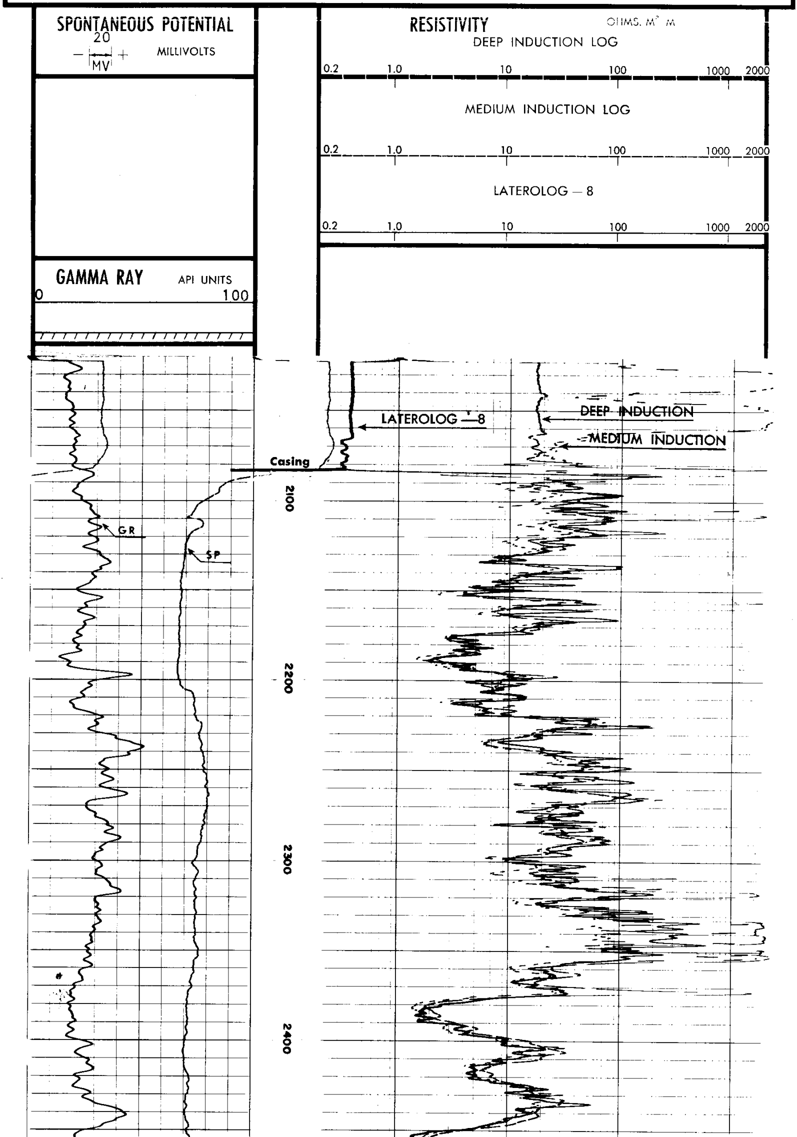
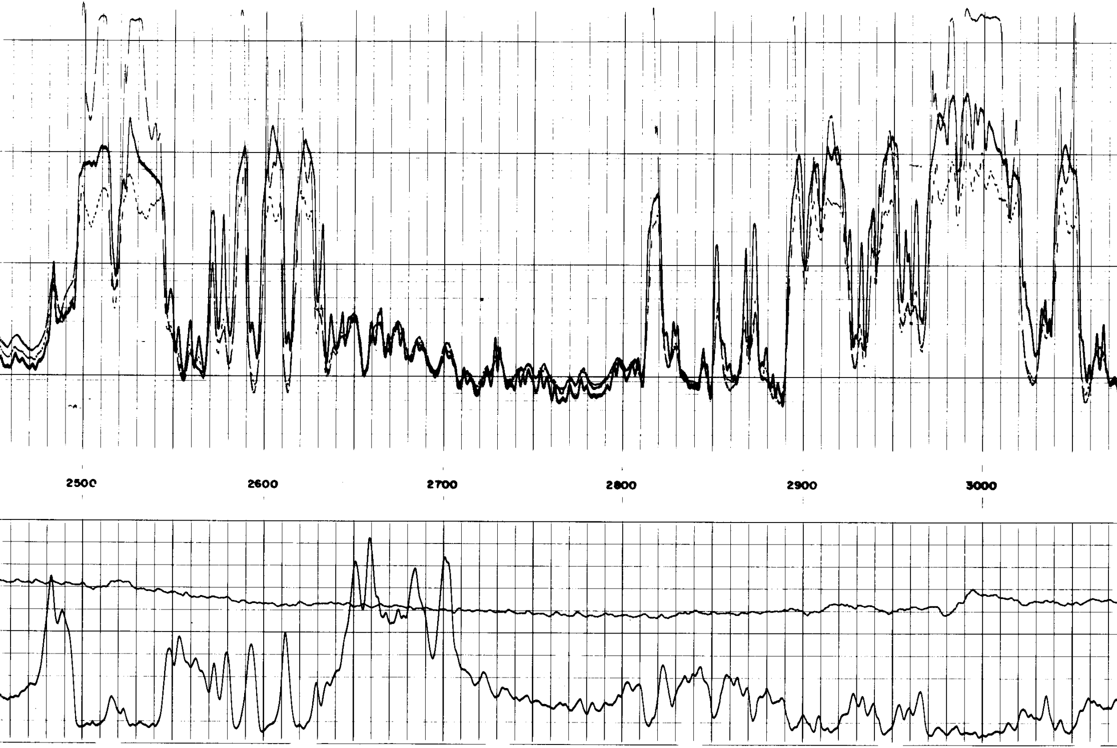
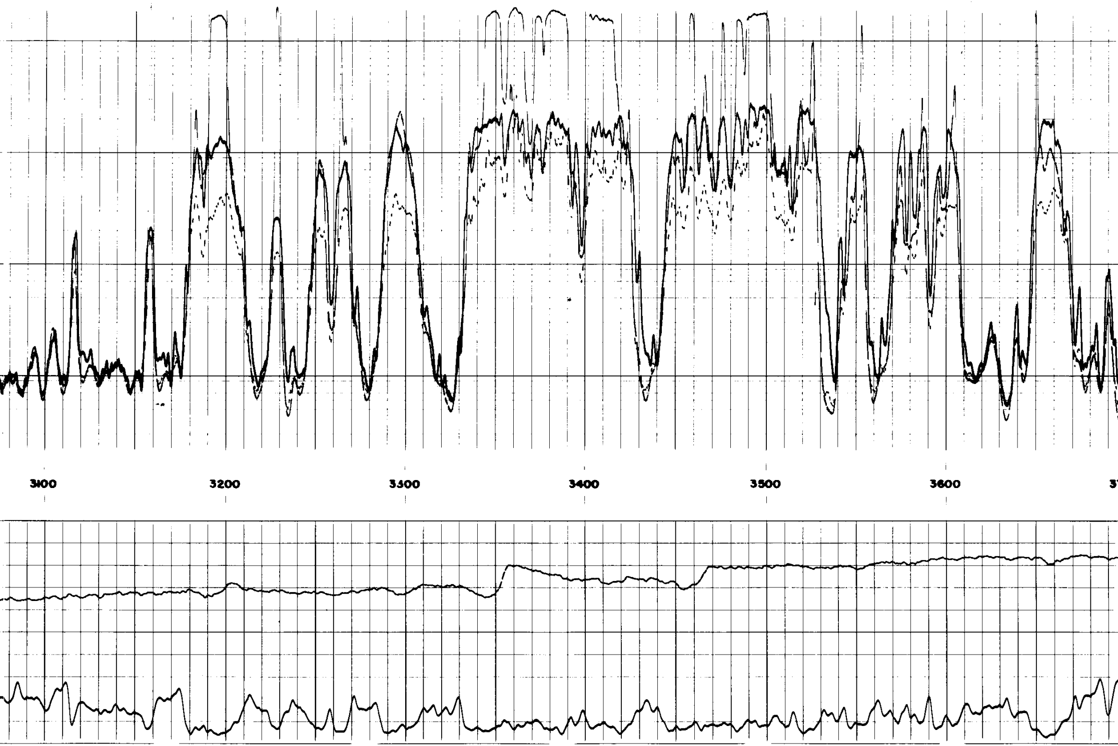
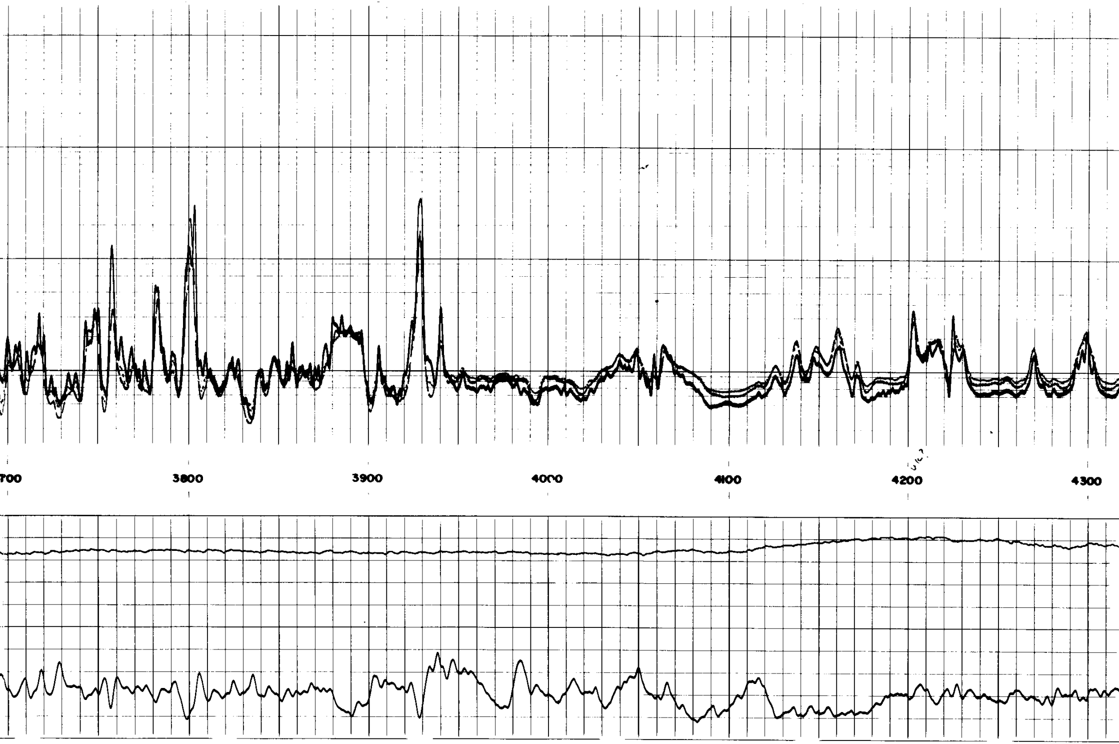
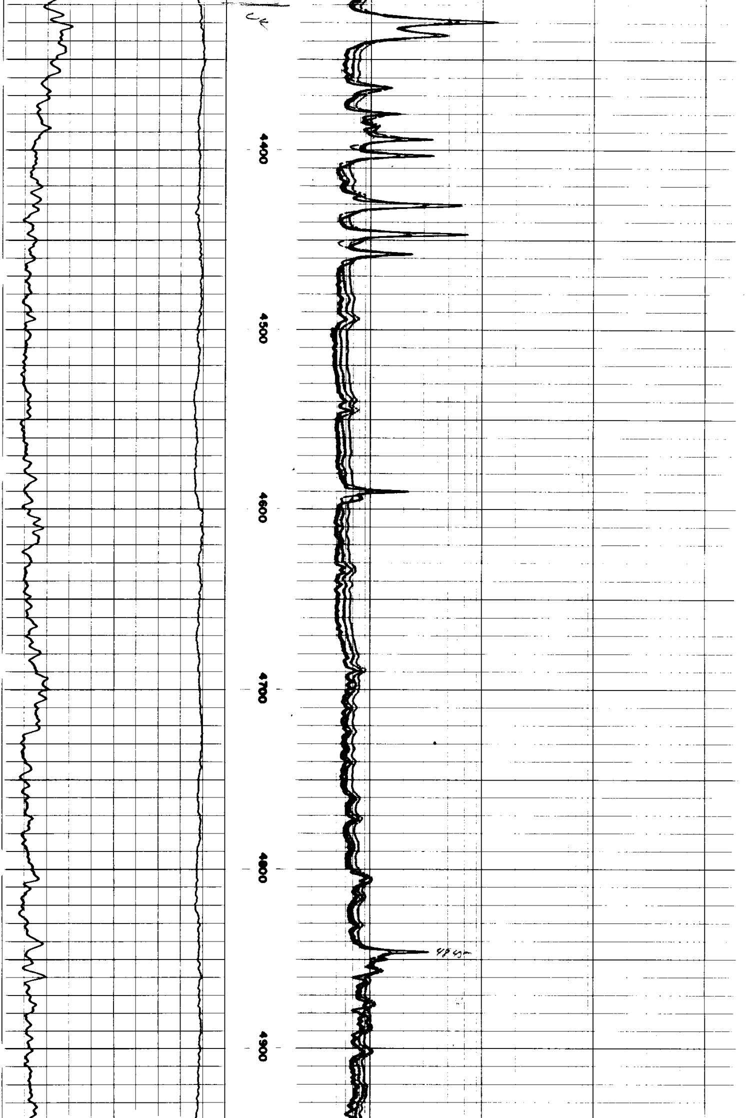
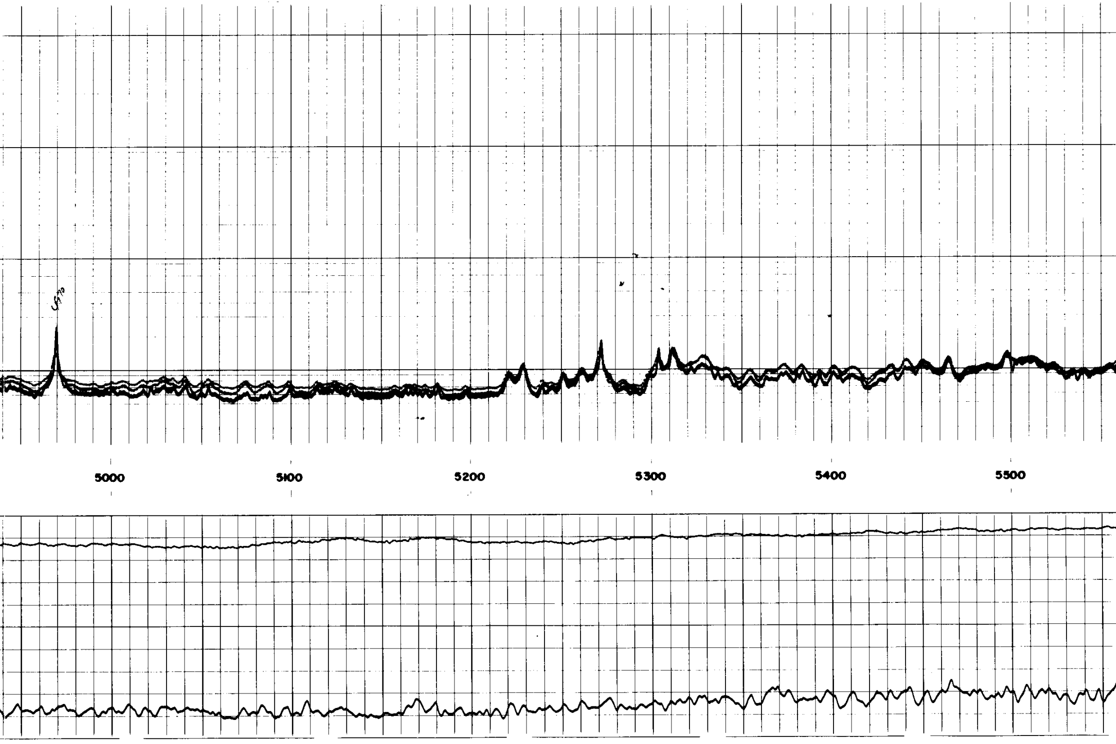


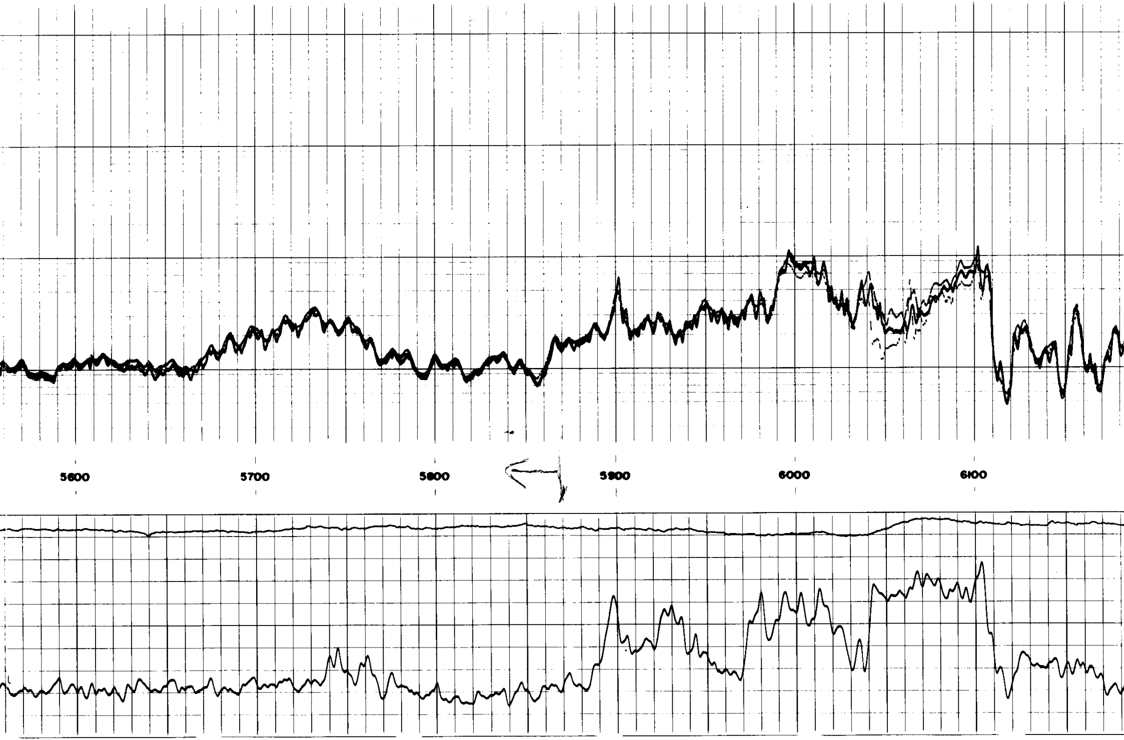


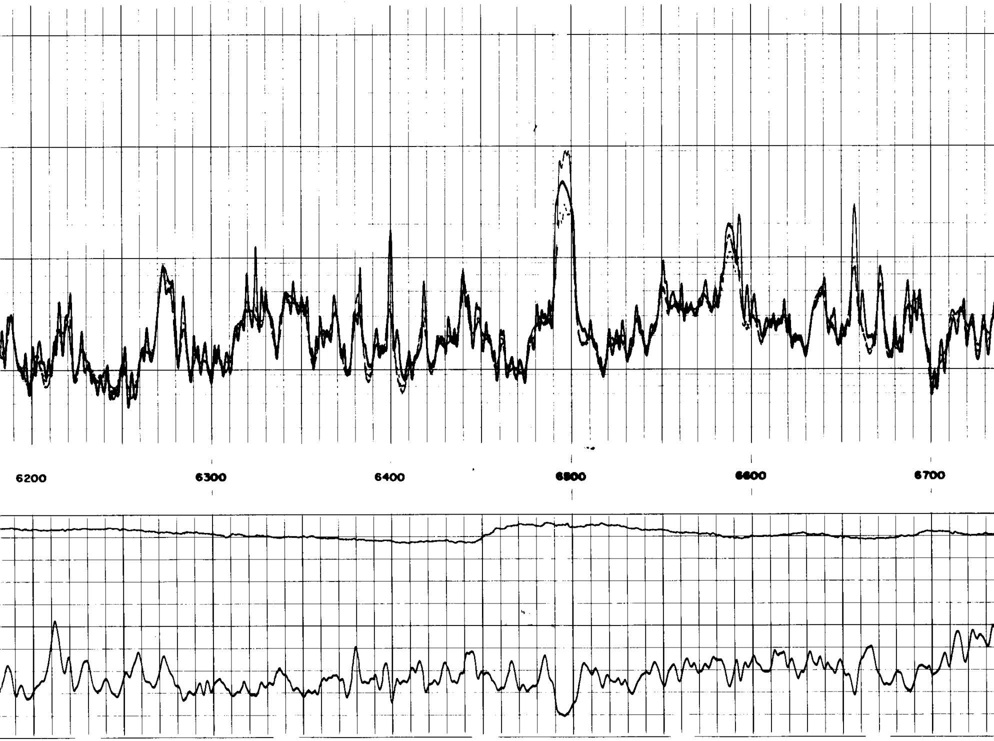


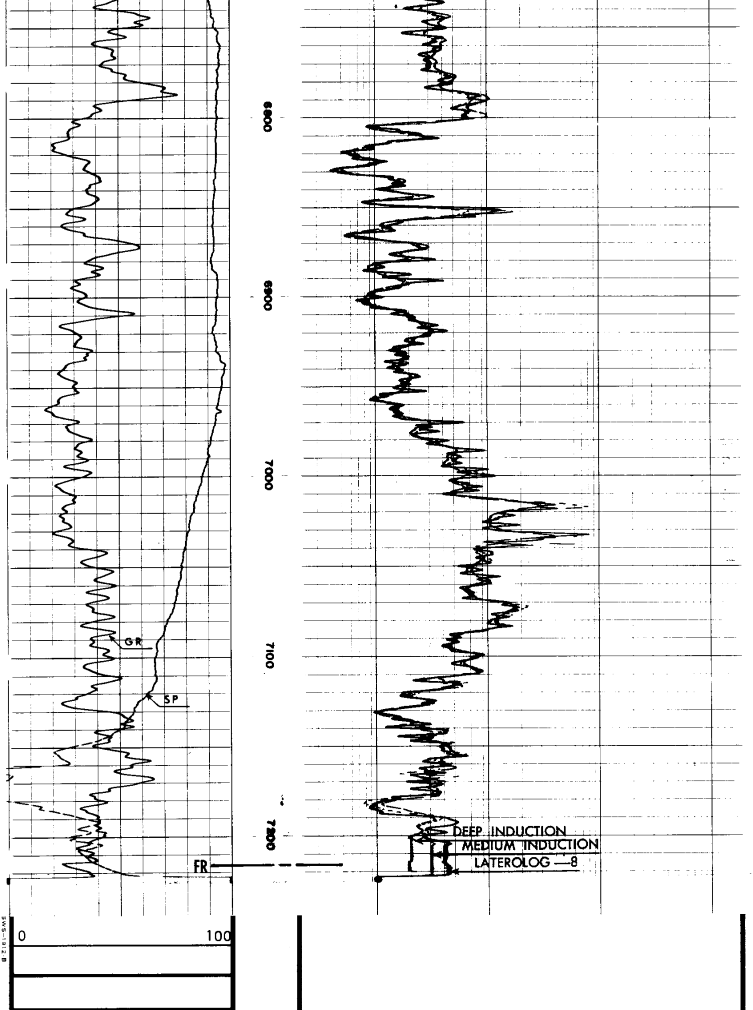












GAMMA RAY
API UNITS

LATEROLOG — 8

0.2 1.0 10 100 1000 2000

MEDIUM INDUCTION LOG

0.2 1.0 10 100 1000 2000

DEEP INDUCTION LOG

0.2 1.0 10 100 1000 2000

− |←20→| +
MV

SPONTANEOUS-POTENTIAL
MILLIVOLTS

DEPTHS

RESISTIVITY
OHMS. M^2/M

COMPANY HUGHES ENTERPRISES
WELL MASTERPIECE GARDENS 21-2
FIELD WILDCAT
COUNTY POLK STATE FLORIDA

SCHL. FR 7204
SCHL. TD 7210
DRLR TD 7387
Elev:
KB 90.5
DF 87.5
GL 74.0

DETAIL LOG

5″ = 100′

SPONTANEOUS-POTENTIAL
MILLIVOLTS

DEPTHS

RESISTIVITY
OHMS. M^2/M

− |←20→| +
MV

LATEROLOG — 8

0.2 1.0 10 100 1000 2000

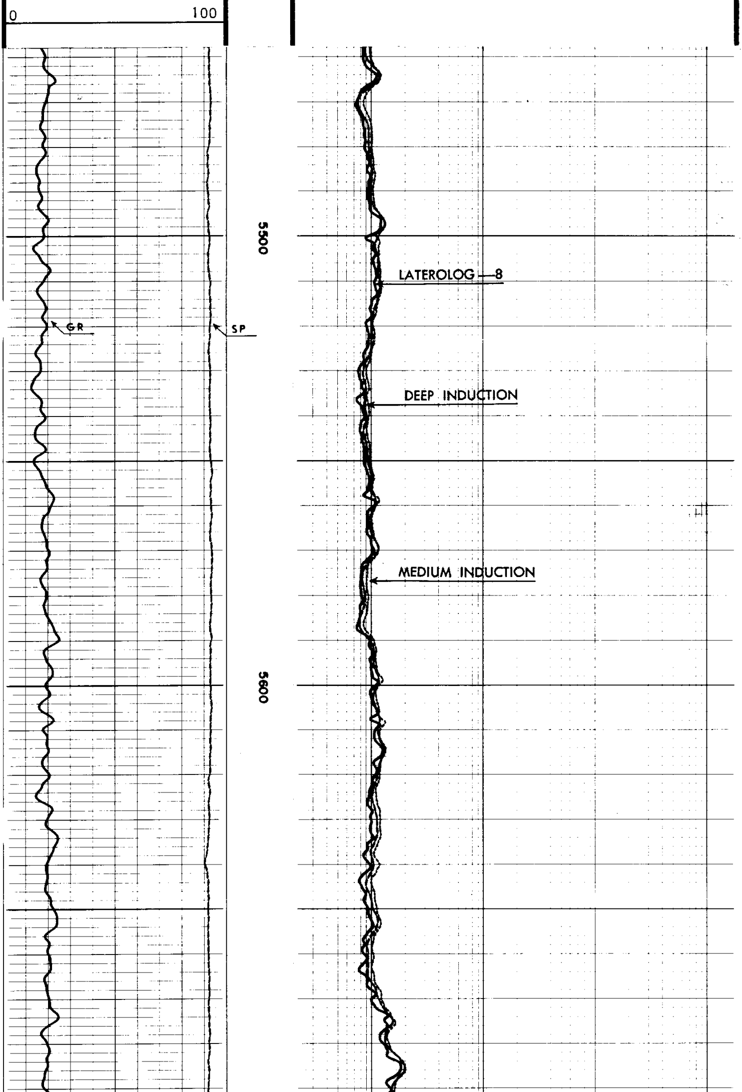
MEDIUM INDUCTION LOG

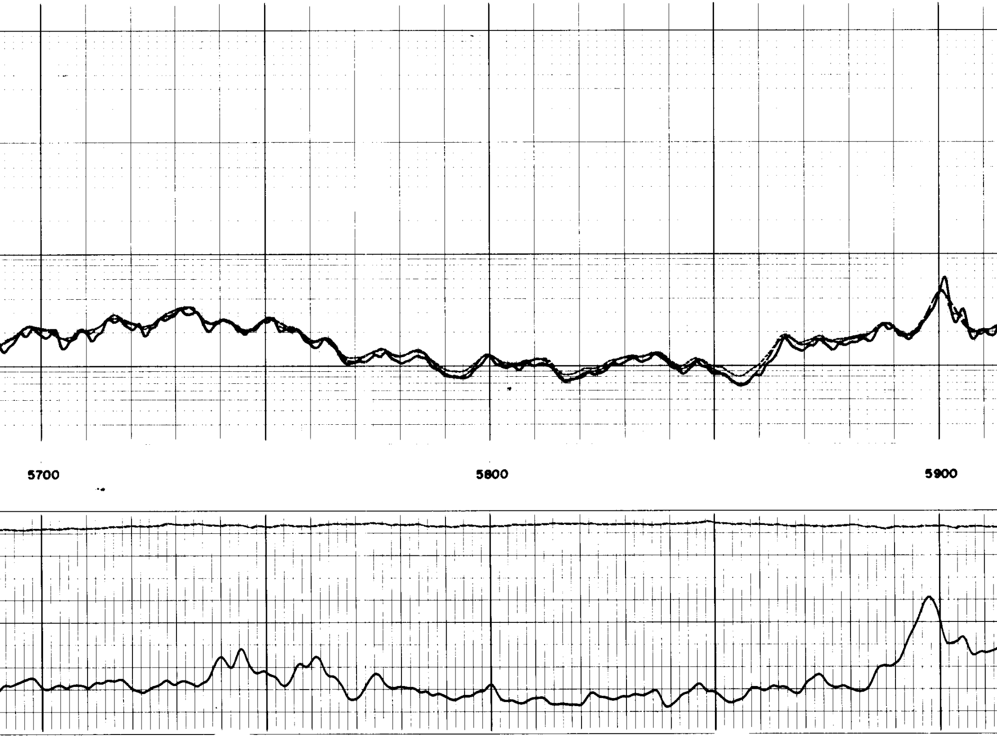
0.2 1.0 10 100 1000 2000

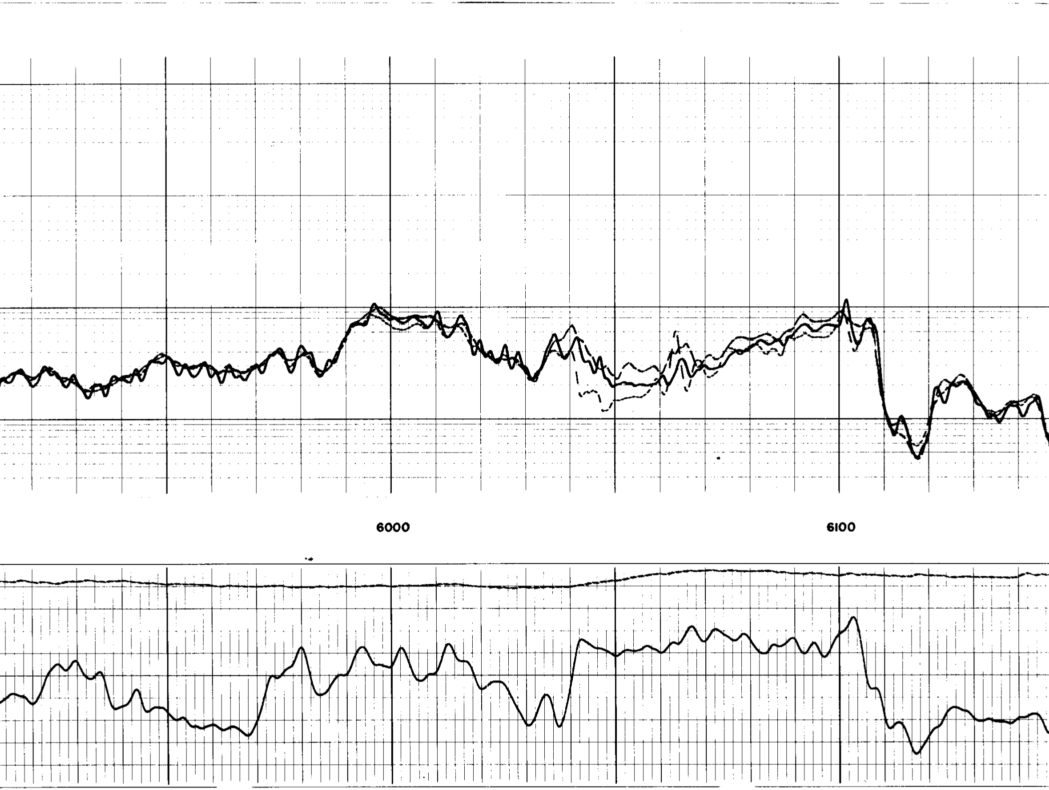
DEEP INDUCTION LOG

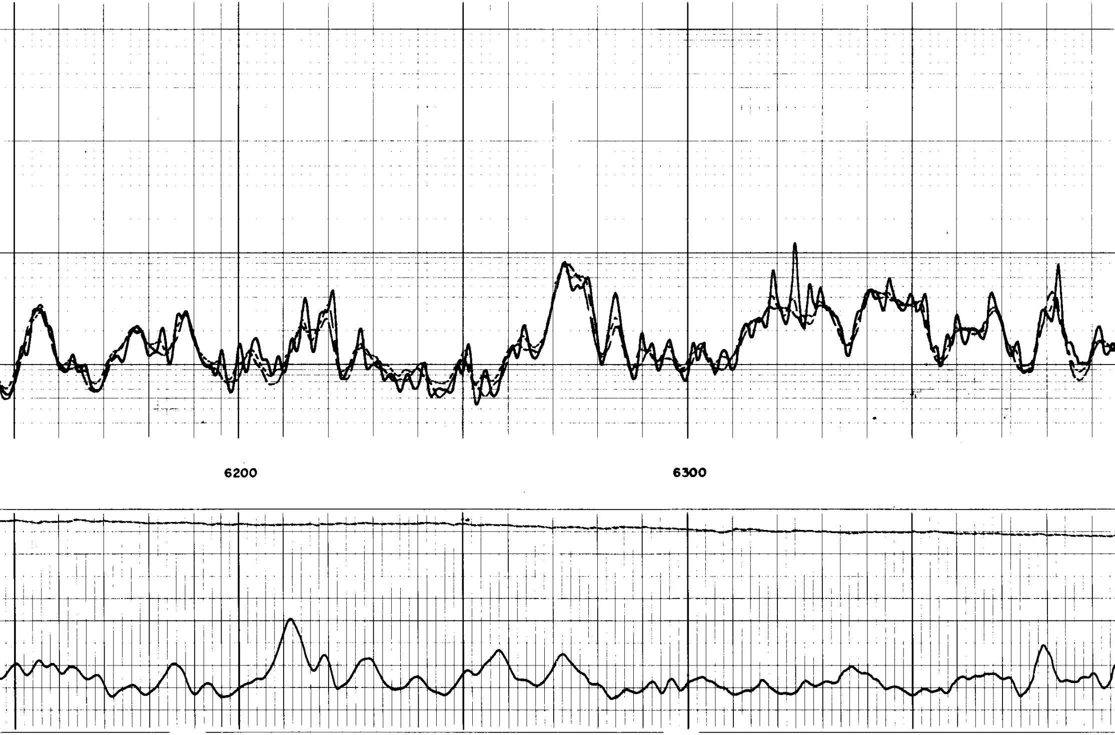
0.2 1.0 10 100 1000 2000

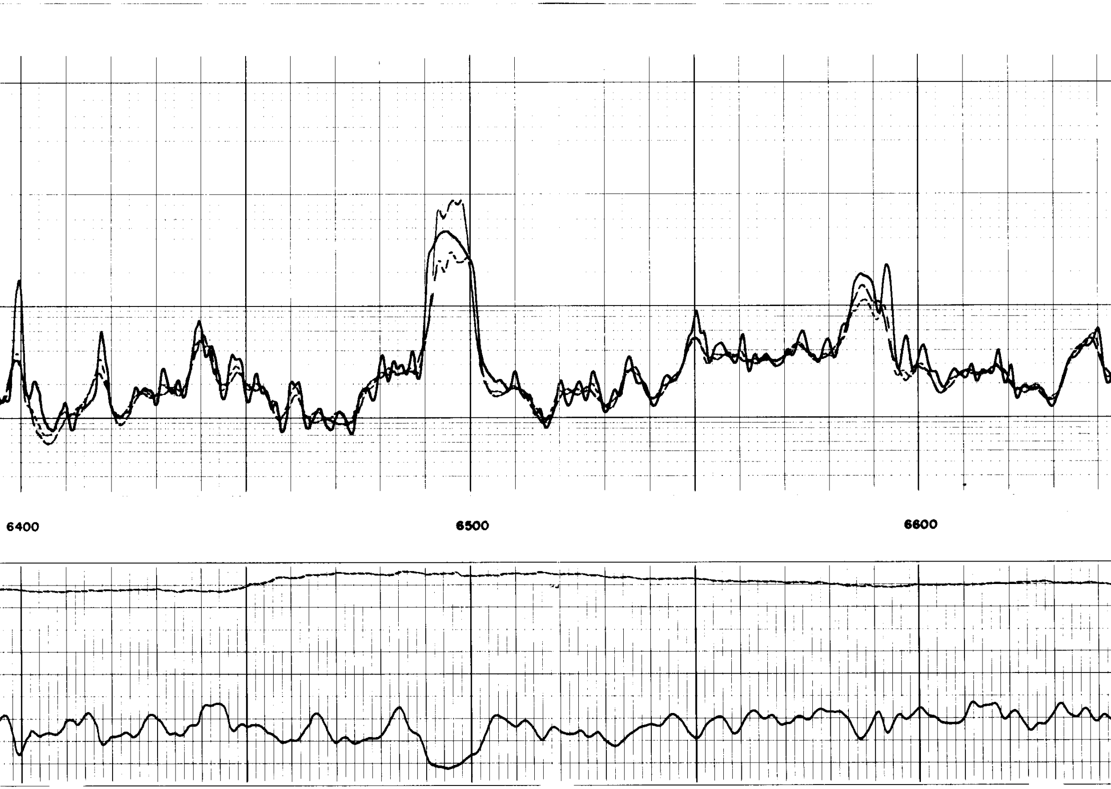
GAMMA RAY
API UNITS

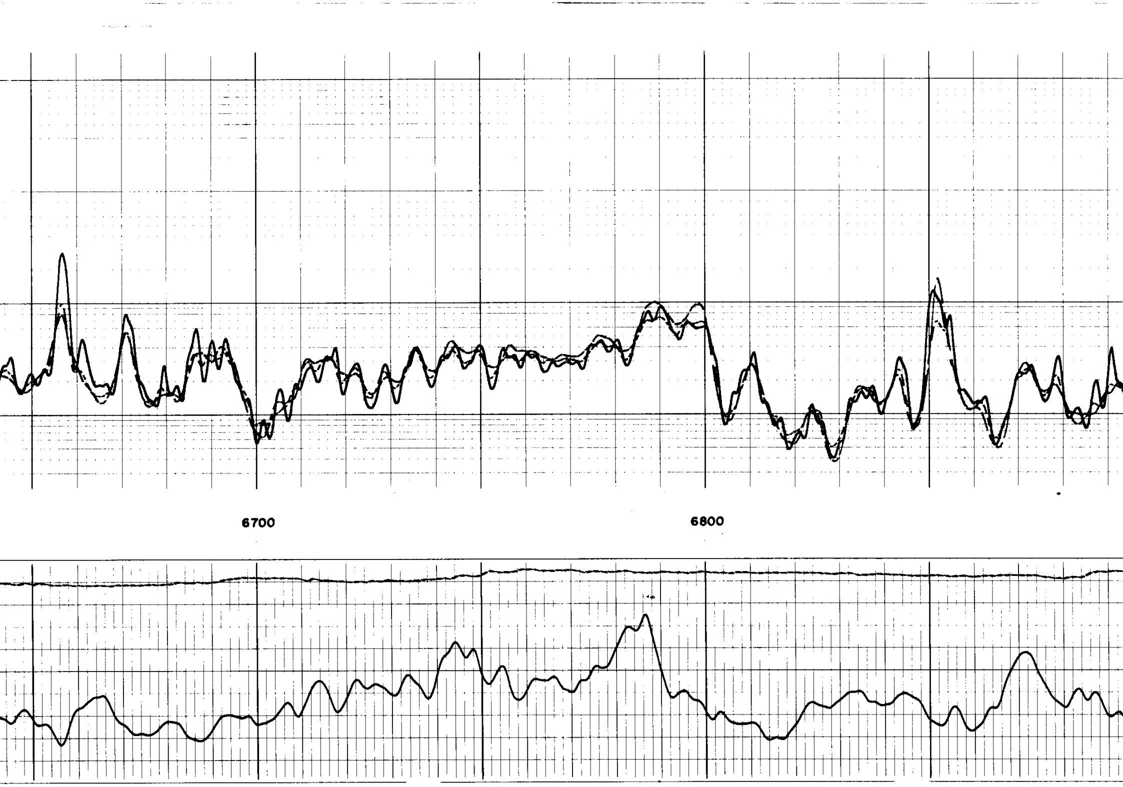


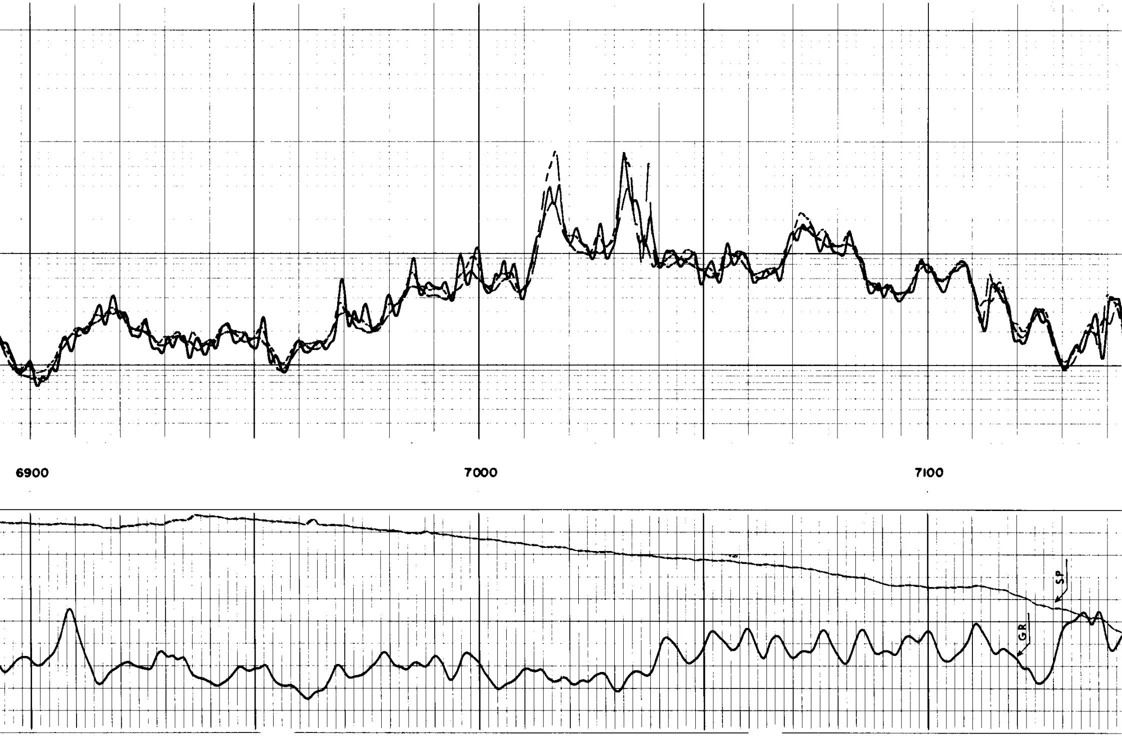


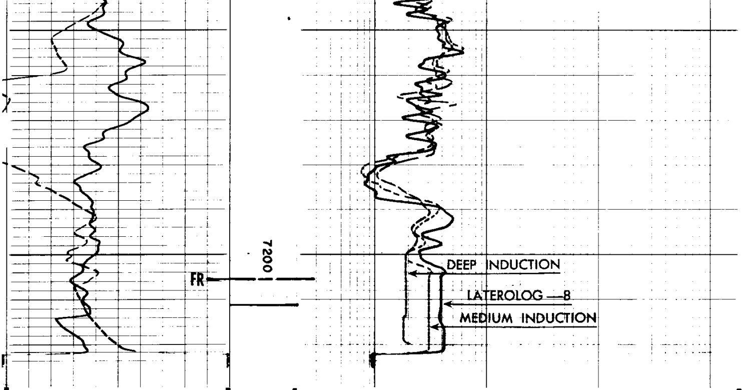












0 100

GAMMA RAY

API UNITS

– 20 MV +

SPONTANEOUS-POTENTIAL

MILLIVOLTS

DEPTHS

LATEROLOG – 8

0.2 1.0 10 100 1000 2000

MEDIUM INDUCTION LOG

0.2 1.0 10 100 1000 2000

DEEP INDUCTION LOG

0.2 1.0 10 100 1000 2000

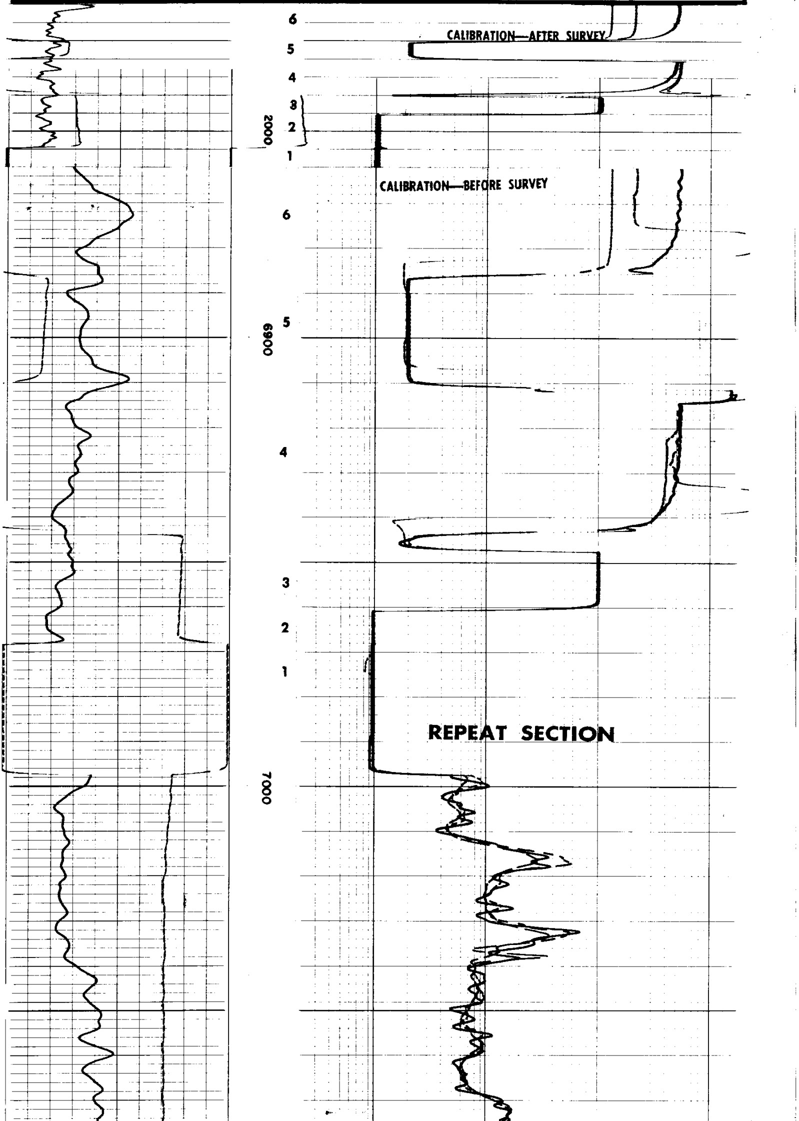
RESISTIVITY

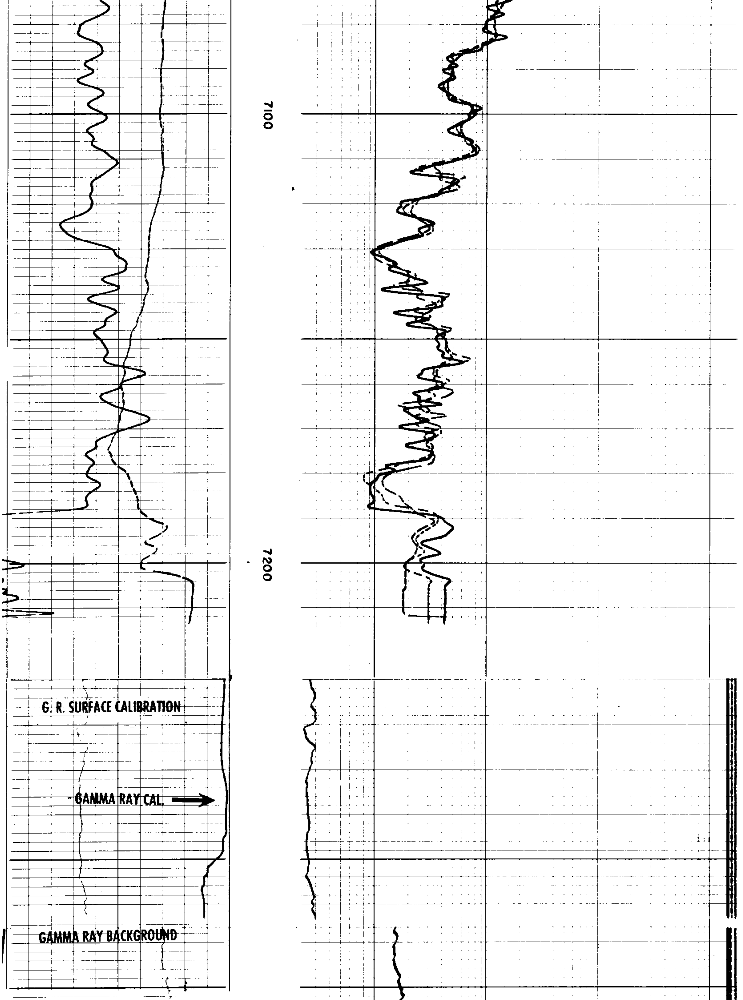
OHMS. M^2/M

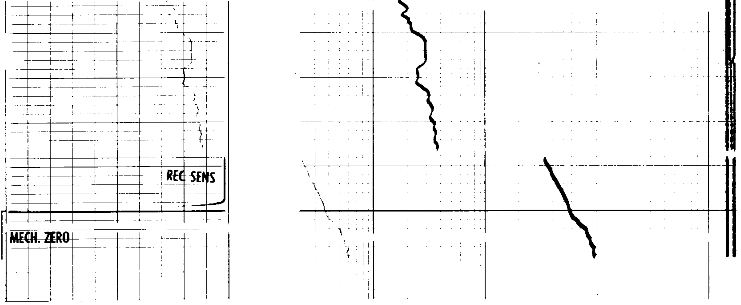
COMPANY HUGHES ENTERPRISES
WELL MASTERPIECE GARDENS 21-2
FIELD WILDCAT
COUNTY POLK STATE FLORIDA

SCHL. FR 7204
SCHL. TD 7210
DRLR TD 7387
Elev:
KB 90.5
DF 87.5
GL 74.0

CALIBRATION RECORD







CALIBRATION RECORD

COMPANY HUGHES ENTERPRISES

WELL MASTERPIECE GARDENS 21-2

FIELD WILDCAT

COUNTY POLK STATE FLORIDA

SCHL. FR 7204
SCHL. TD 7210
DRLR TD 7387
Elev:
KB 90.5
DF 87.5
GL 74.0

Log Analysis

Schlumberger

COMPANY HUGHES ENTERPRISES

WELL MASTERPIECE GARDENS 21-2

FIELD WILDCAT

COUNTY POLK

STATE FLORIDA

DEPTH							R_W	R_T	ϕ_N	C_D	% POROSITY	% WATER	REMARKS
6110-20							.03	.45	36	24	30	70	DOLOMITE WET
6260-70									33	13	22	55	DOLOMITE WET
6320-23									27	2	13	60	DOLOMITE WET
6342-46									29	9	17	50	DOLOMITE WET
6594-6600								2	27	6	17	62	DOLOMITE WET
6602-07								1.8	29	9	18	60	DOLOMITE WET
6900									29	12	19	100	DOLOMITE WET
6914-20									21	6	13	65	DOLOMITE WET
7123-27									18	5	11½	70	DOLOMITE WET

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DATE	LOCATION	ENGINEER
12/11/76	FORT MYERS	R. D. RANGE

SWS-1325-D

File: 28.04 BE

PH#854

Schlumberger

SIMULTANEOUS

COMPENSATED NEUTRON-FORMATION DENSITY

COUNTY POLK, FLA.
FIELD WILDCAT
LOCATION SEC. 21-29S-28E
WELL MASTERPIECE GARDENS 21-2
COMPANY HUGHES ENTERPRISES

COMPANY HUGHES ENTERPRISES

WELL MASTERPIECE GARDENS 21-2

FIELD WILDCAT

COUNTY POLK STATE FLORIDA

LOCATION 200' SW OF NW/4

API SERIAL NO.	SEC.	TWP.	RANGE
09105 20003	21	29S	28E

Other Services:
DIL-GR

FILE #8546

Permanent Datum: GROUND LEVEL ; Elev.: 74'
Log Measured From RKB 16.5 Ft. Above Perm. Datum
Drilling Measured From G.L.

Elev.: K.B. 90.5
D.F. 87.5
APPROX. 74.0

Date	12/11/76			
Run No.	ONE			
Depth—Driller	7387			
Depth—Logger	7210			
Btm. Log Interval	7207			
Top Log Interval	5500			
Casing Driller	9-5/8 @ 2082	@	@	@
Casing Logger	N.L.			
Bit Size	8-3/4			
Type Fluid in Hole	WATER			
Dens. | Visc.	- | -	|	|	|
pH | Fluid Loss	- | - ml	| ml	| ml	| ml
Source of Sample	NO RETURNS			
Rm @ Meas. Temp.	- @ - F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	- @ - F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	- @ - °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	- | -	|	|	|
Rm @ BHT	- @ 140 F	@ °F	@ °F	@ °F
TIME Circulation Stopped	0600			
TIME Logger on Bottom	1900			
Max. Rec. Temp.	140 °F	°F	°F	°F
Equip. | Location	7644 | FT. MYERS	|	|	|
Recorded By	RANGE			
Witnessed By Mr.	HUGHES-RICHTER			

RECEIVED
JUL 1 1977
BUREAU OF GEOLOGY

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

RUN NO.	ONE			
Service Order No.	19334			
Fluid Level	200			
Salinity, PPM CL.	-			
Speed - F.P.M.	30			
EQUIPMENT DATA				
Dens. Panel	1199			
Dens. Cart.	NA			
Dens. Skid.	1273			
Dens. Sonde	1298			
Dens. Source	3345			
Dens. Calibrator	231			
Neut. Panel	1024			
Neut. Cart.	310			
Neut. Source	531			
Neut. Calibrator	82			
GR Cart.	1212			
Memorizer Panel	340			
Tape Recorder (TTR)	1717			
Depth Encoder (DRE)	194			
Pressure Wheel (CPW)	-			
Centralizers: Enter Spring, Standoffs, In-line, or None — Type	-			
Centralizers — No.	-			
Centralizers — S. O. — Inches	-			
CALIBRATION DATA				
GR — BKG. CPS	60			
GR — Source CPS	460			
GR — Sens. - Cal	CAL			
GR — T. C. - Cal	6			
CNL — Short Spacing - Before Log				
CNL — Long Spacing - Before Log	INTERVAL			
CNL — Short Spacing - After Log				
CNL — Long Spacing - After Log				
FDC — P¹ — Before Log	120.8			
FDC — P² — Before Log	125.8			
FDC — P¹ — After Log	120.8			
FDC — P² — After Log	185.8			

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.
5500	7207	45/-15	LIME	AUTO	45/-15	2.71	1.0	LIQ.	100	2	0	100

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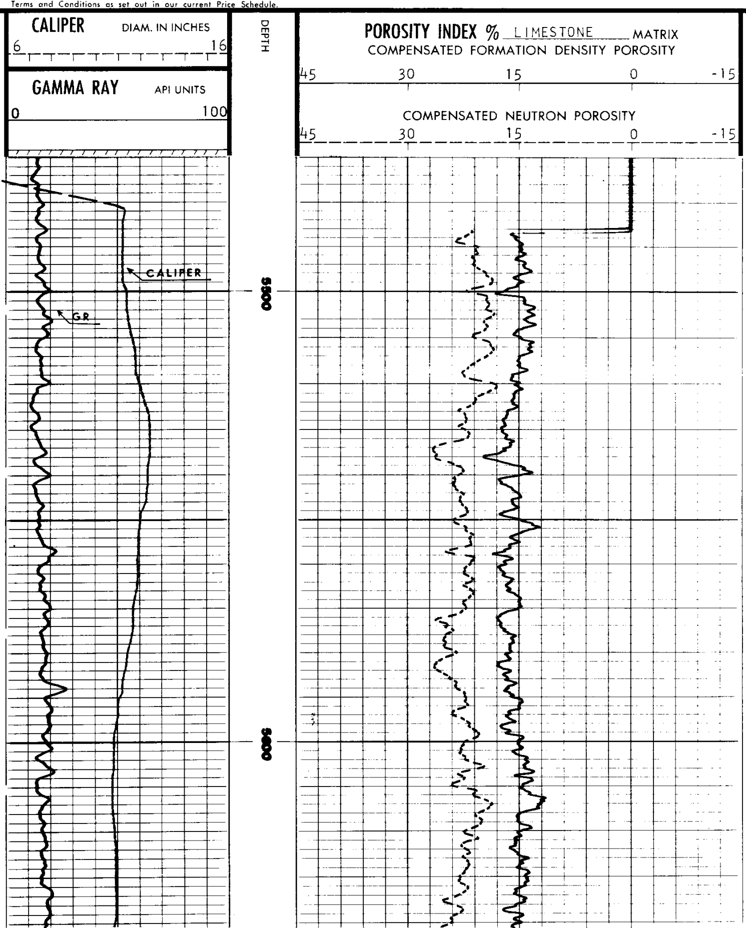
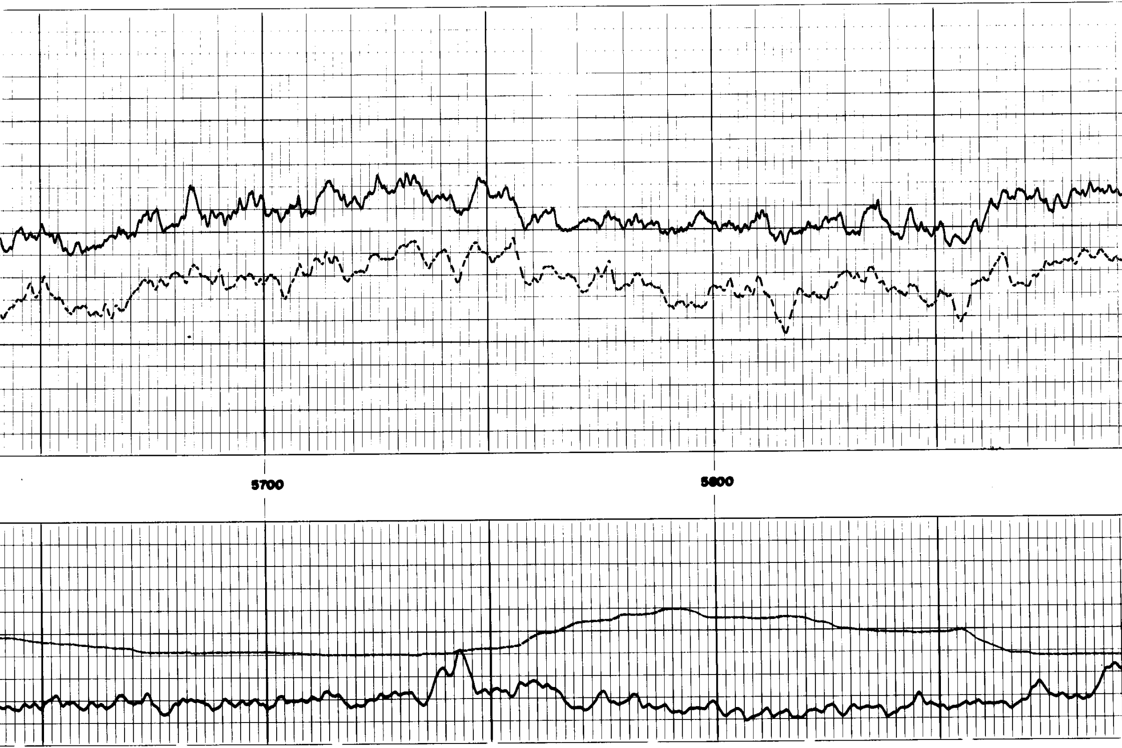
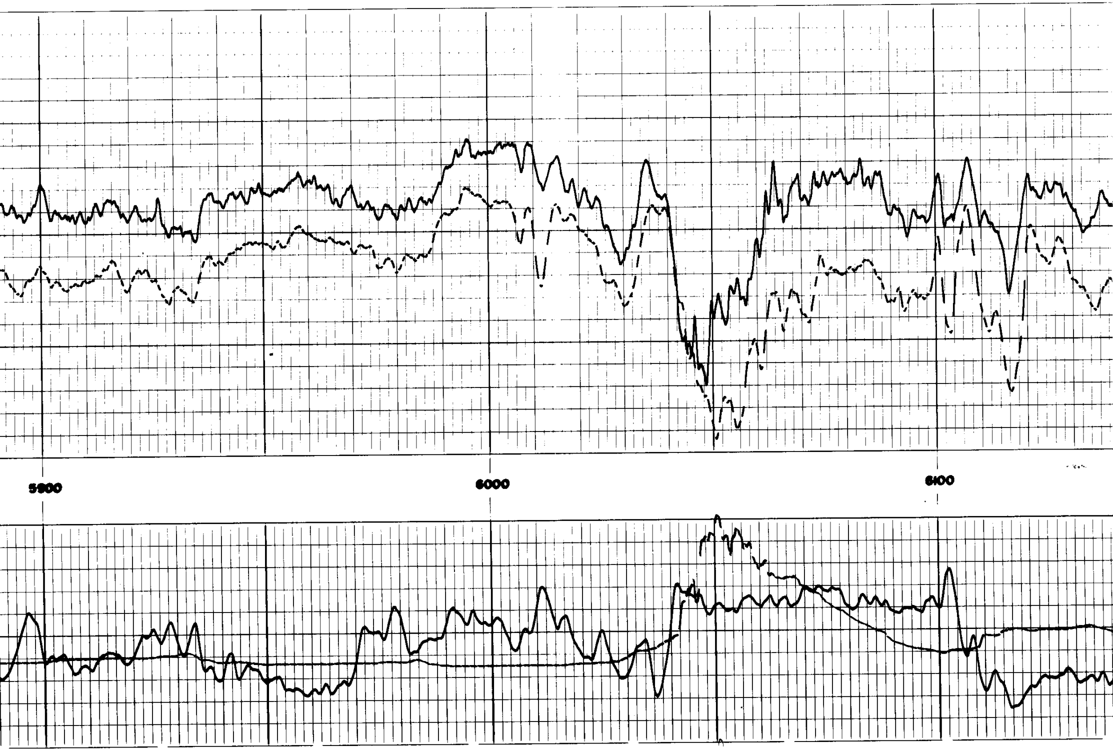
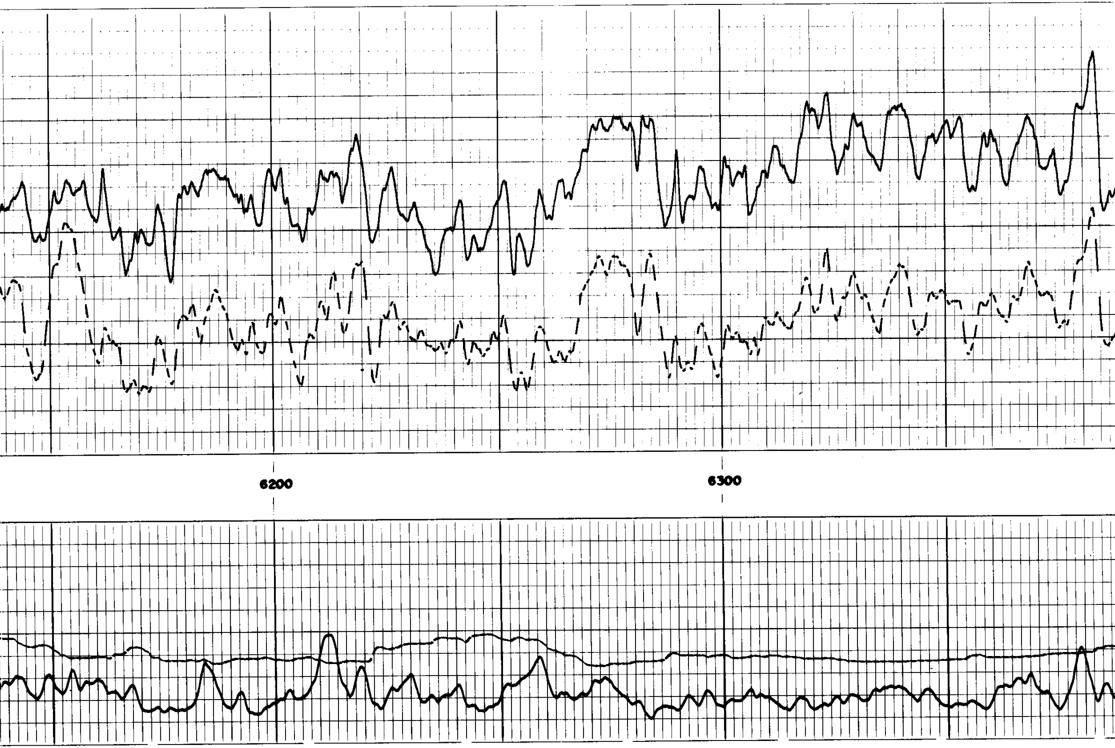
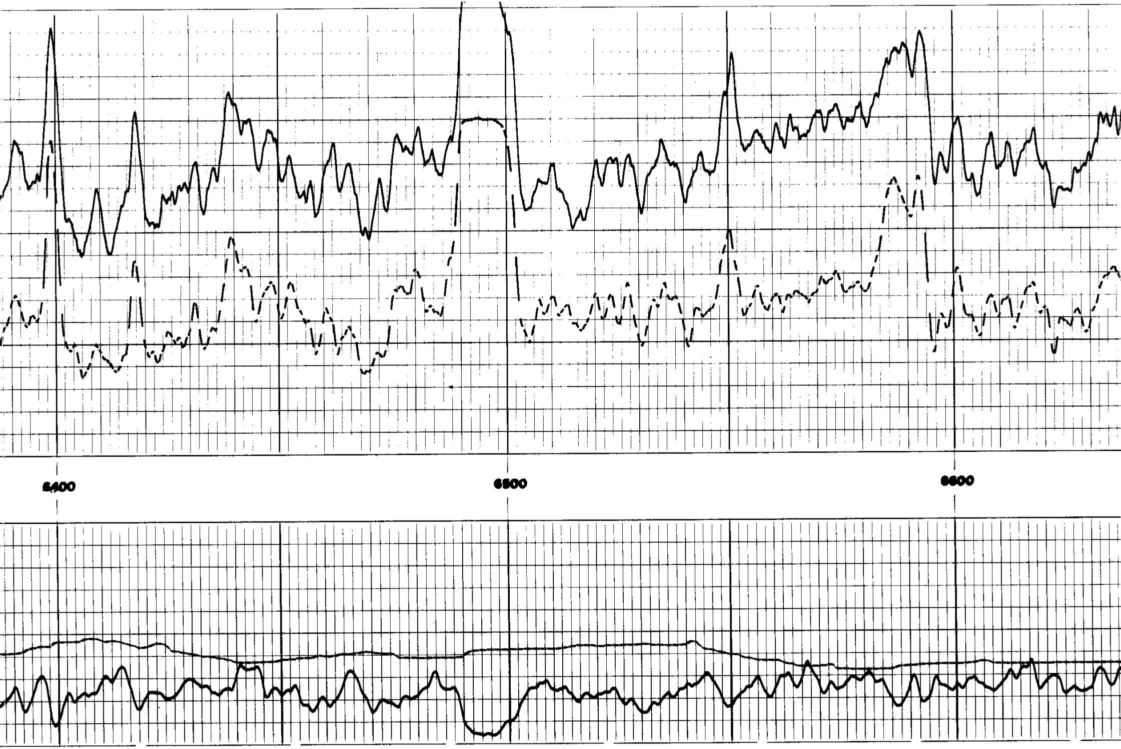
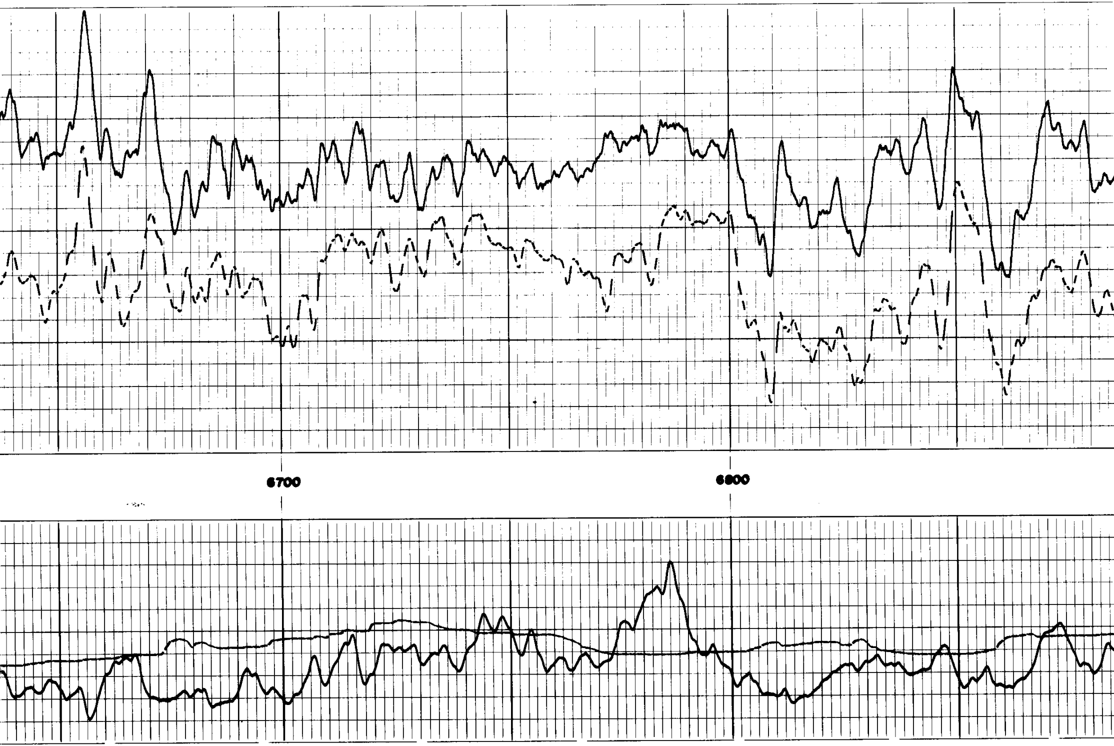


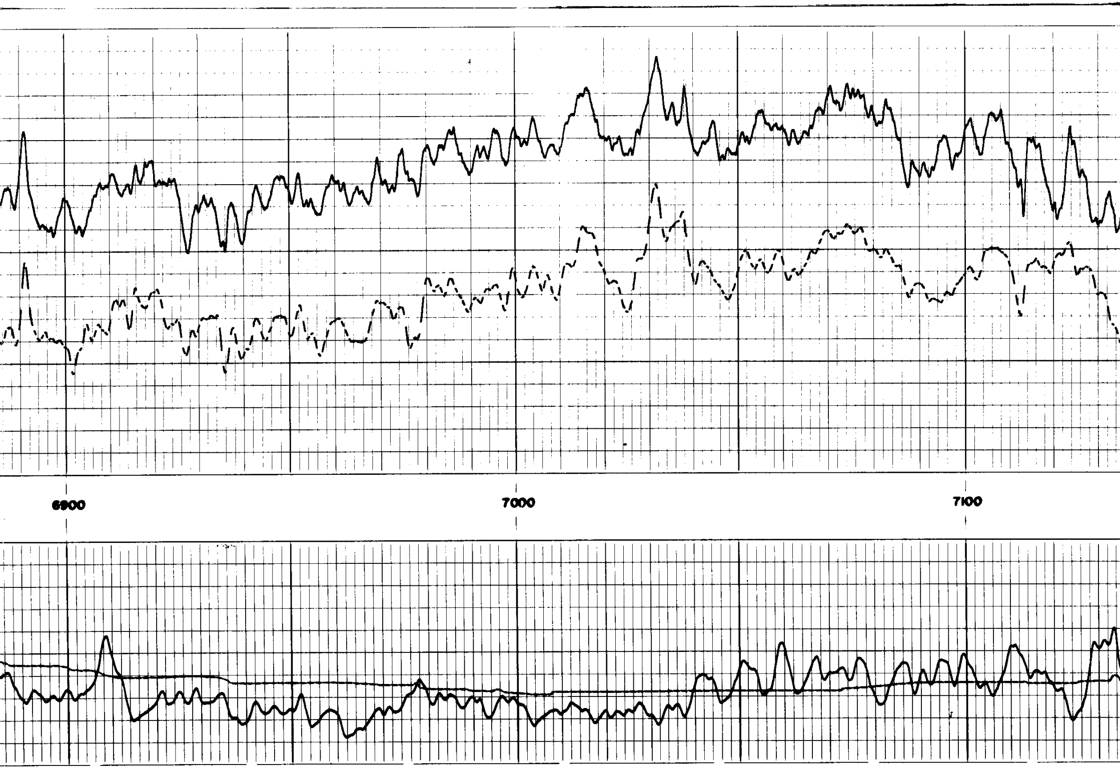


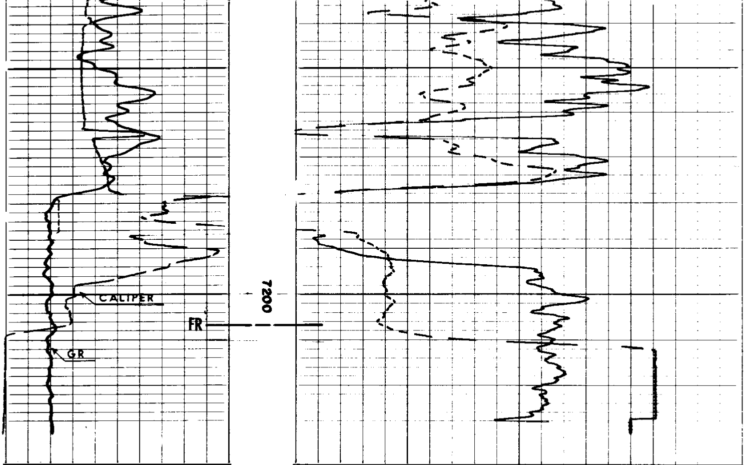












GAMMA RAY API UNITS

0 100

CALIPER DIAM. IN INCHES

6 16

POROSITY INDEX (%) LIMESTONE MATRIX

COMPENSATED FORMATION DENSITY POROSITY

45 30 15 0 -15

COMPENSATED NEUTRON POROSITY

45 30 15 0 -15

SIMULTANEOUS COMPENSATED NEUTRON-FORMATION DENSITY

⬍

COMPENSATED FORMATION DENSITY

CALIPER DIAM. IN INCHES

6 16

GAMMA RAY API UNITS

0 100

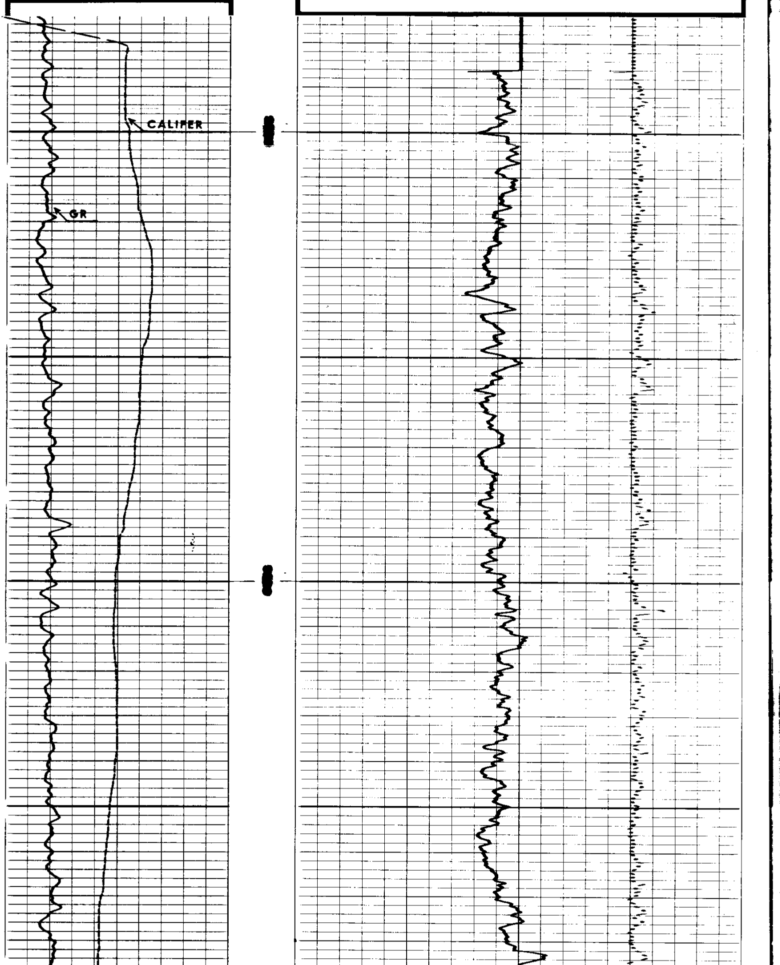
CORRECTION GRAMS/CC

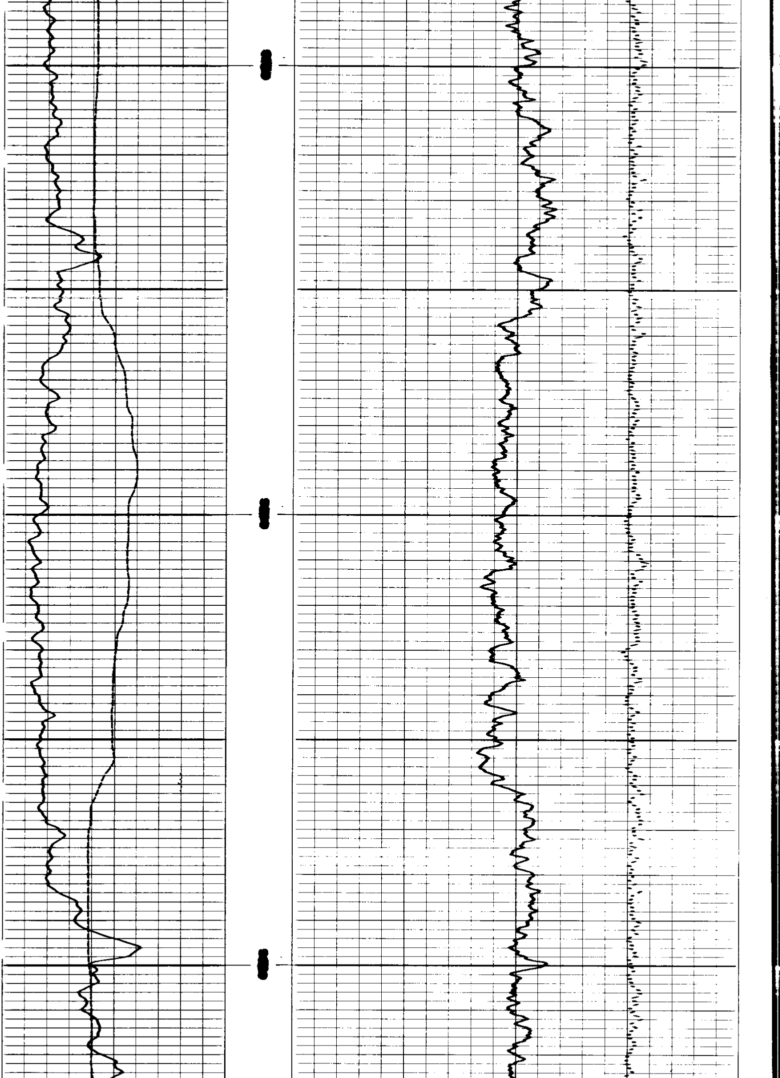
-.25 0 +.25

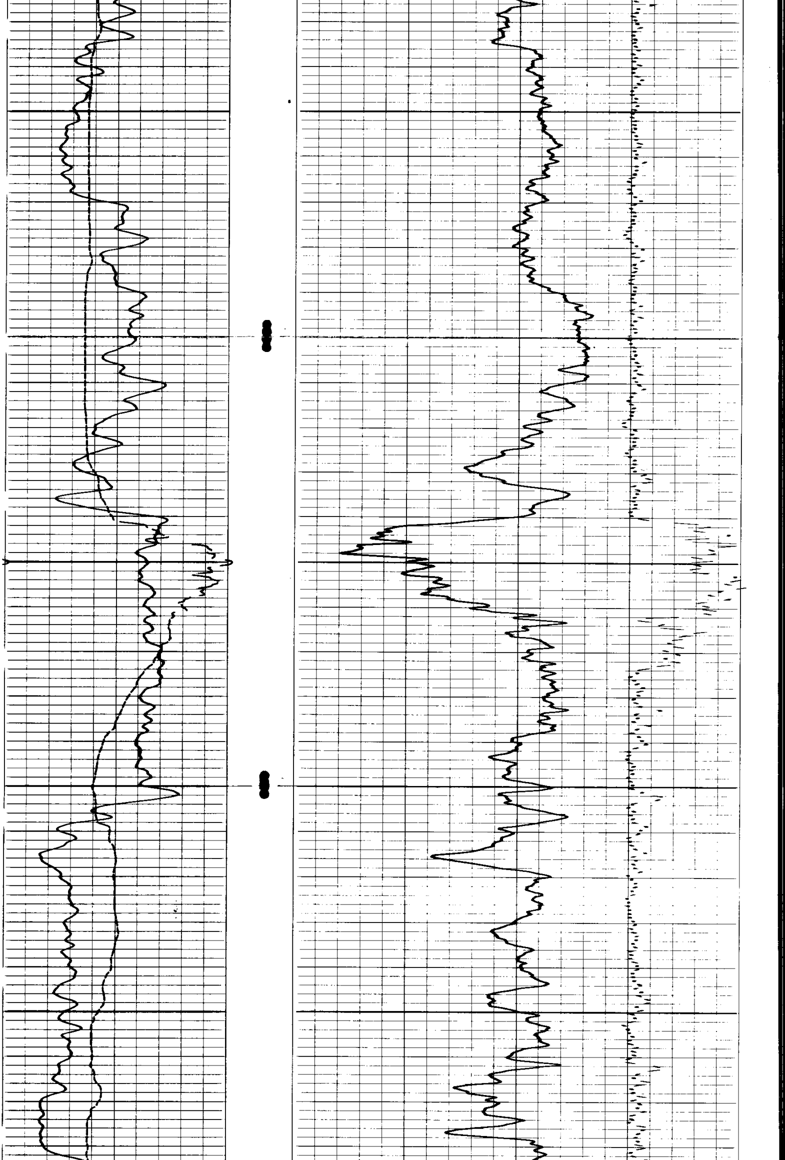
BULK DENSITY GRAMS/CC

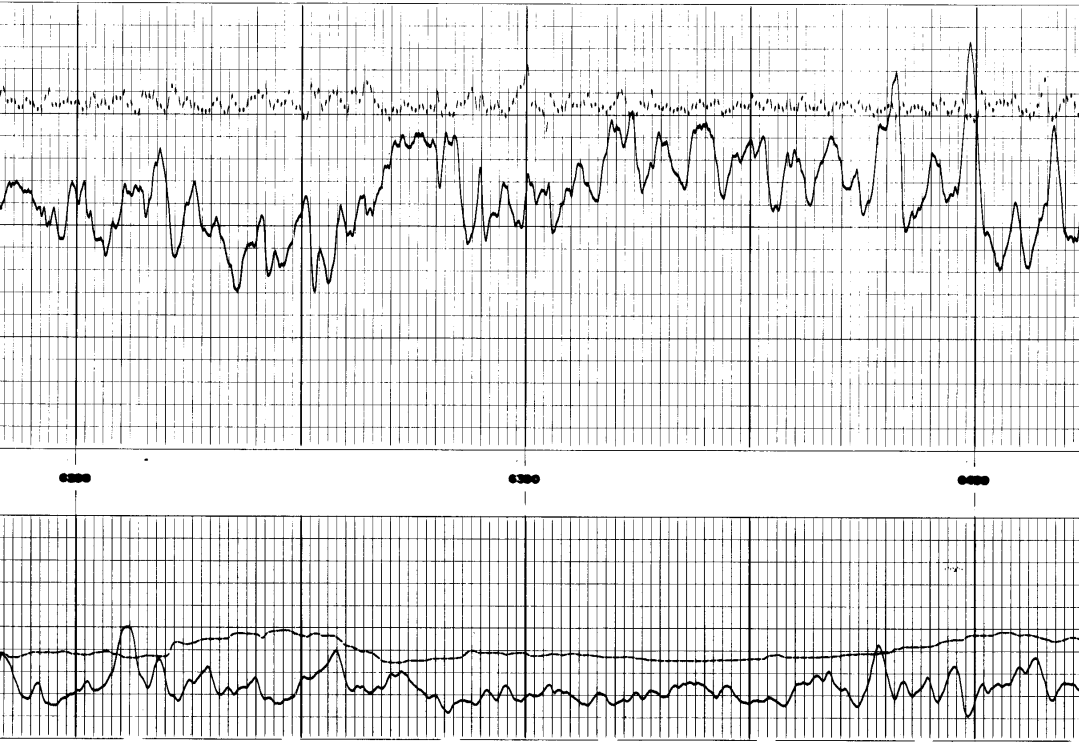
2.0 2.5 3.0

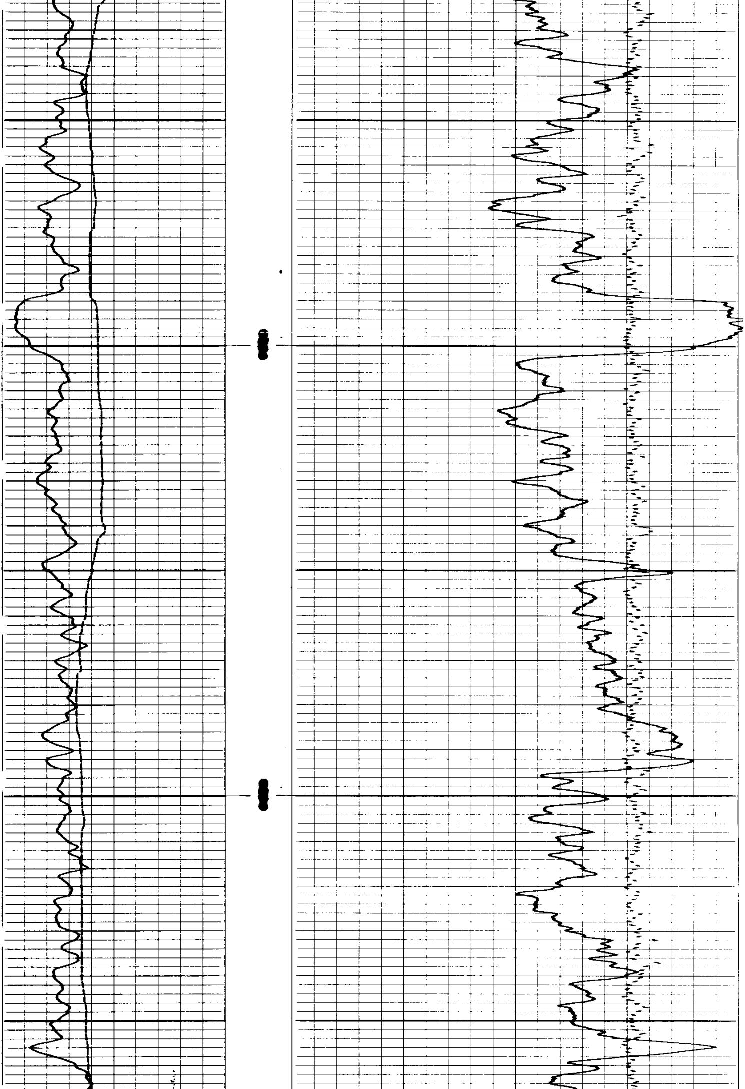
1.5 2.0

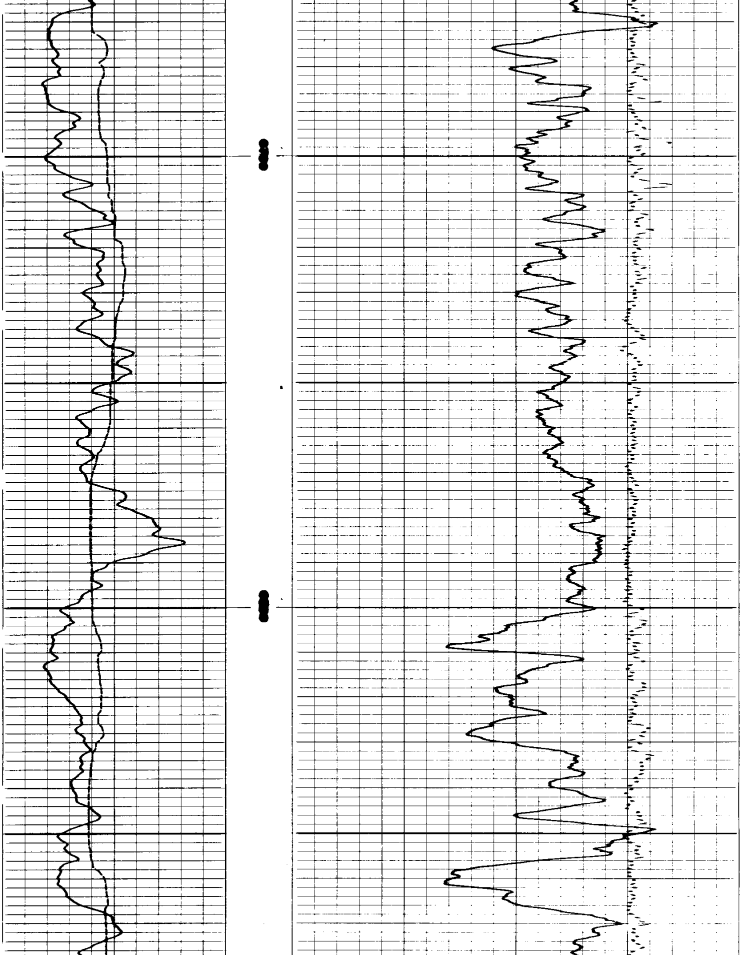


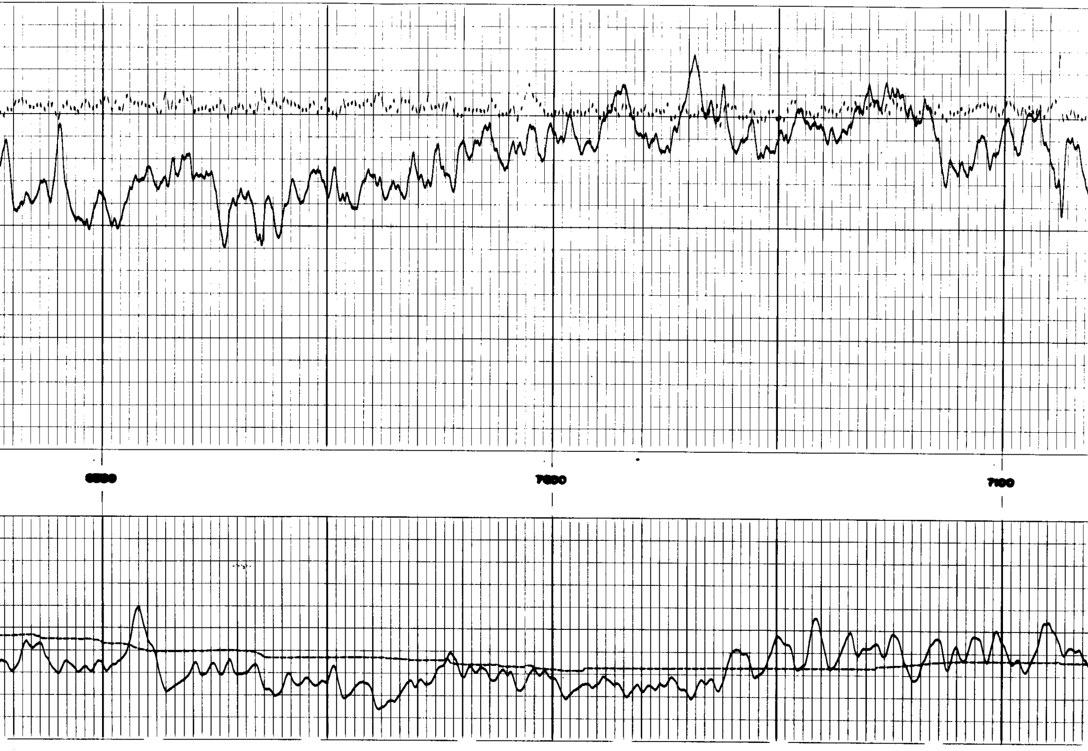


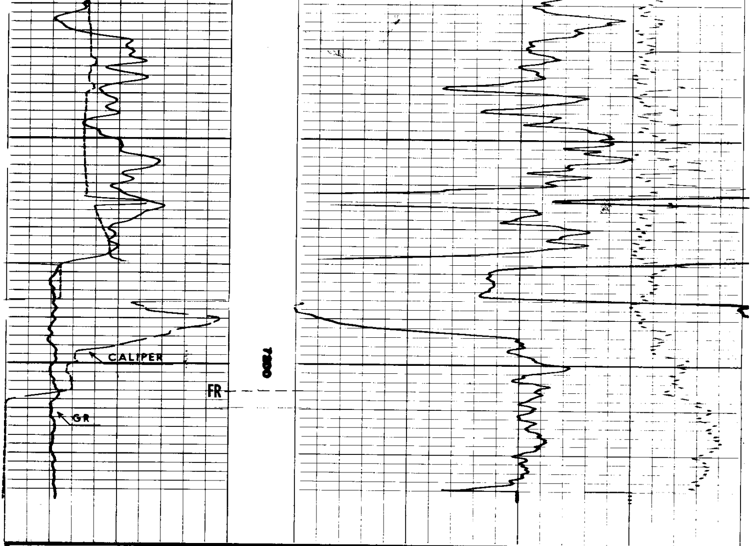












CALIPER DIAM. IN INCHES

6 16

GAMMA RAY API UNITS

0 100

DEPTH

CORRECTION GRAMS CC

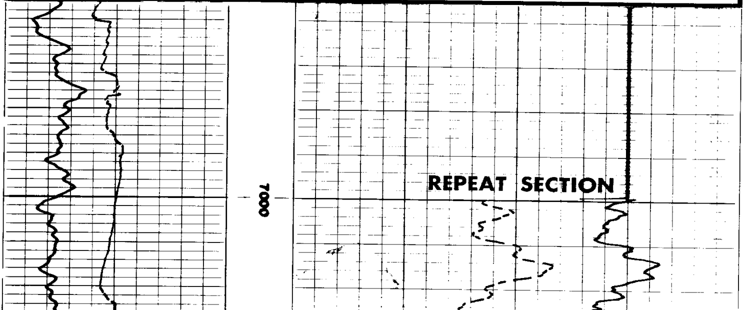
-.25 0 .25

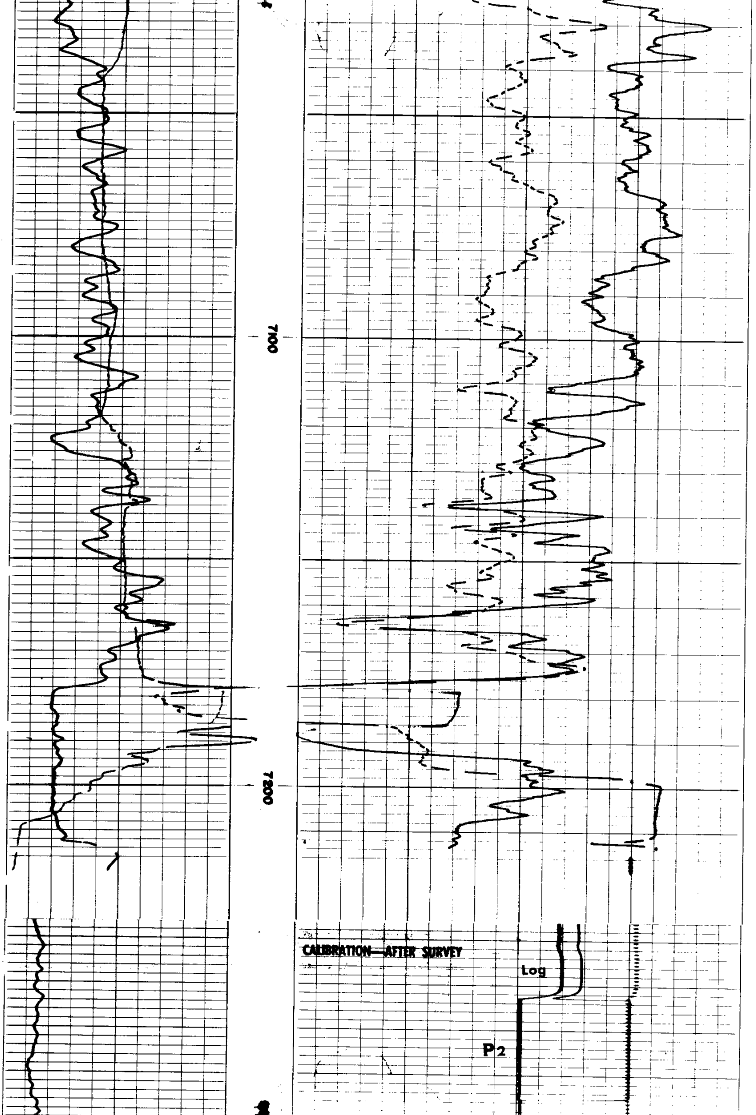
BULK DENSITY GRAMS CC

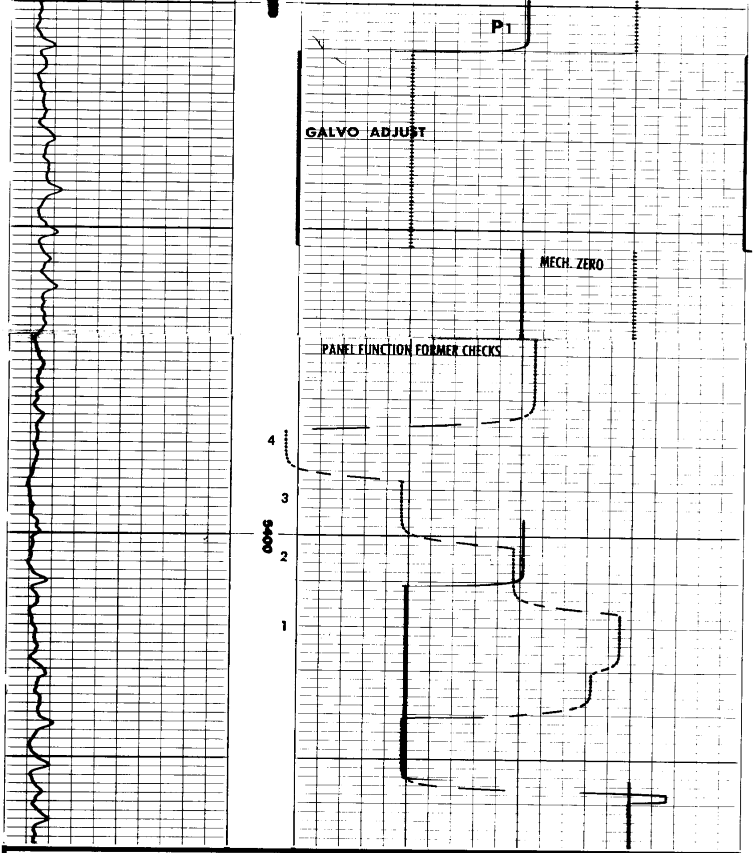
2.0 2.5 3.0

1.5 2.0

REPEAT SECTION







COMPANY HUGHES ENTERPRISES

WELL MASTERPIECE GARDENS 21-2

FIELD WILDCAT

COUNTY POLK STATE FLORIDA

SCHL. FR 7207

SCHL. TD 7210

DRLR. TD 7387

Elev:

KB 90.5

DF 89.5

GL 74.0