OGC-20038 Confidential [illegible] 3-31-89 G2978

RELEASED

CONFIDENTIAL

GREAT GUNS
LOGGING
DIGITAL LOG

MICRORESISTIVITY
LOG

RECEIVED
MAR 31 1988
MO Oil & Gas Council
Economic Geology

COMPANY:	JAMES K. ANDERSON, INC.	FILE NO.:	
WELL:	BALL #2		
FIELD:	RUNAMUCK	STATE:	MISSOURI
COUNTY:	ATCHISON	COUNTRY:	USA

CONFIDENTIAL

LOCATION: 2157' FNL
1820' FWL
SEC: 15 TWP: 63N RGE: 40W

DATE:	2/29/88
RUN NO.:	1
PERMANENT DATUM:	GL
DRILLING MEASURED FROM:	KB
LOG MEASURED FROM:	KB
ABOVE PERMANENT DATUM:	8.0
DEPTH--DRILLER:	2806.5
DEPTH--LOGGER:	2807.0
BOTTOM LOG INTERVAL:	2804.0
TOP LOG INTERVAL:	355.0
CASING DEPTH--DRILLER:	354.0
CASING DEPTH--LOGGER:	350.0
CASING DIAMETER:	8.625
BIT SIZE:	7.875
UNIT NO.:	35
LOCATION:	G.B.
RECORDED BY:	B. HARRELL
WITNESSED BY:	MR. MARK A. RAINER

ELEVATIONS:

KB:	896.0
DF:	.0
GL:	888.0

SERVICES:
GR10
MGRD

SOFTWARE VERSION:
401

THE CUSTOMER IS HEREBY WARNED THAT BY PROVIDING THE LOG DATA HEREIN, GREAT GUNS DOES NOT AGREE TO PROVIDE ANY INTERPRETATION OF LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS. GREAT GUNS DOES NOT GUARANTEE OR WARRANT, EITHER EXPRESSLY OR IMPLIEDLY, THE ACCURACY OF ANY INTERPRETATION OF LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY GREAT GUNS PERSONNEL. ANY INTERPRETATION, CONVERSION OR RECOMMENDATION IS NOT PART OF THE CONSIDERATION FOR THE AGREEMENT BETWEEN THE PARTIES AND IS NOT PART OF ANY PART OF THE CHARGE BY GREAT GUNS FOR ITS SERVICES. ANY USER OF THE LOG DATA IS WARNED THAT SAID USER IS NOT ENTITLED TO RELY ON INTERPRETATIONS, CONVERSIONS OR RECOMMENDATIONS AS AFORESAID.

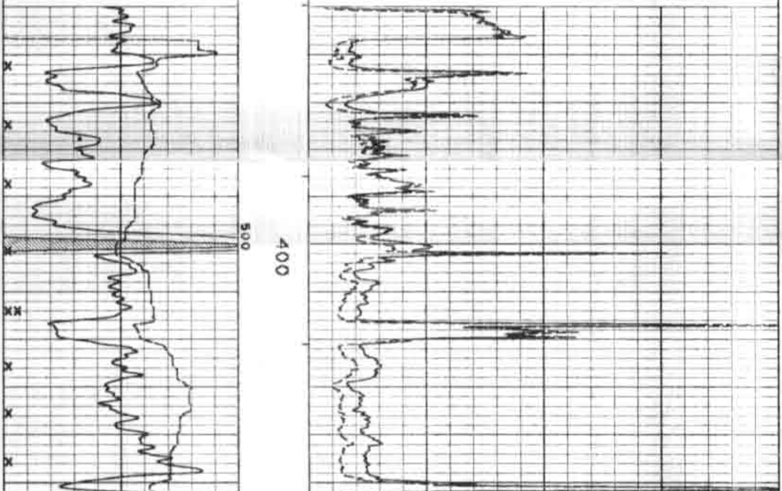
DEPTH TO FLUID:	20.0			
TYPE FLUID IN HOLE:	CHEMICAL			
DENSITY, LB/G:	9.1			
VISCOSITY, CP:	38			
PH:	10.0			
FLUID LOSS, CC:	10.0			
SALINITY, PPM:	3400			
SOURCE OF SAMPLE:	MEAS.			
RM:	1.500	OHM-M AT	56	DEG. F
RMF:	1.125	OHM-M AT	56	DEG. F
RMC:	2.250	OHM-M AT	56	DEG. F
SOURCE RMF AND RMC:	MEAS.			
RM AT BHT:	.800	OHM-M AT	105	DEG. F
RMF AT BHT:	.600	OHM-M AT	105	DEG. F
RMC AT BHT:	1.200	OHM-M AT	105	DEG. F
MAX. RECORDED TEMP.:			105	DEG. F
TIME SINCE LAST CIR., HRS.:			6.0	
OPERATING RIG TIME, HRS.:			2.5	

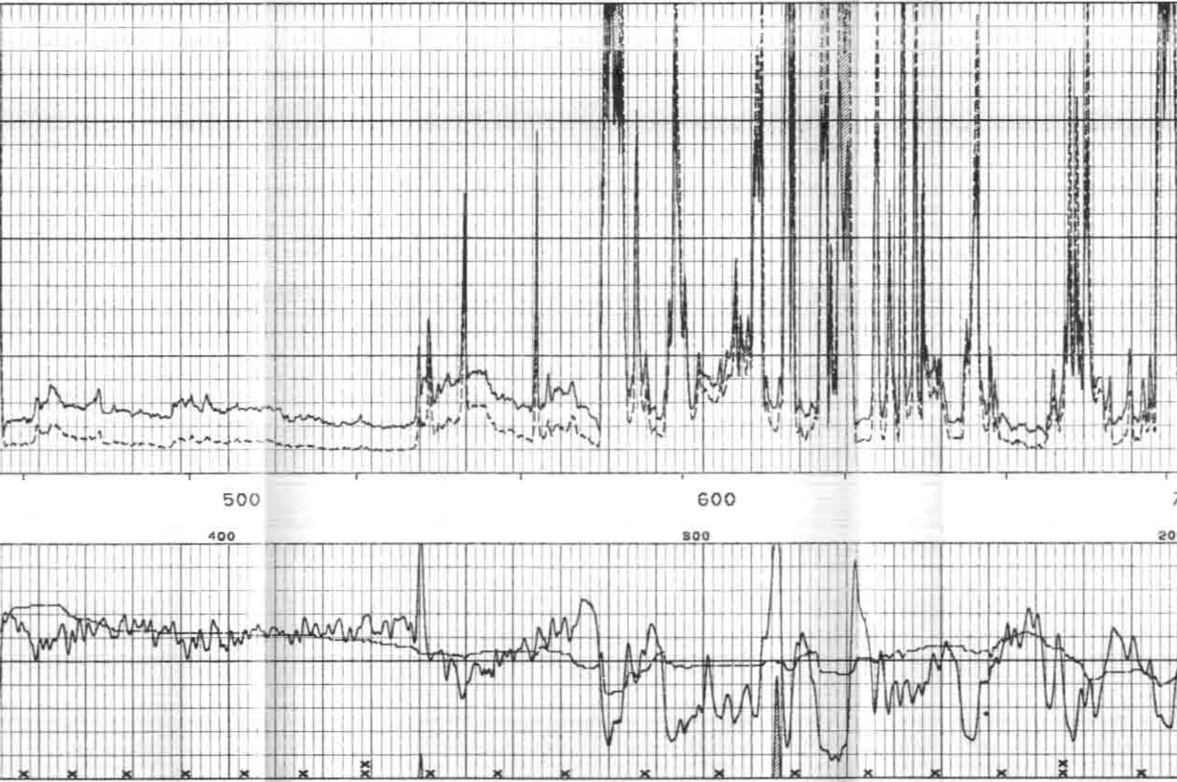
SOURCE SERIAL NUMBERS:

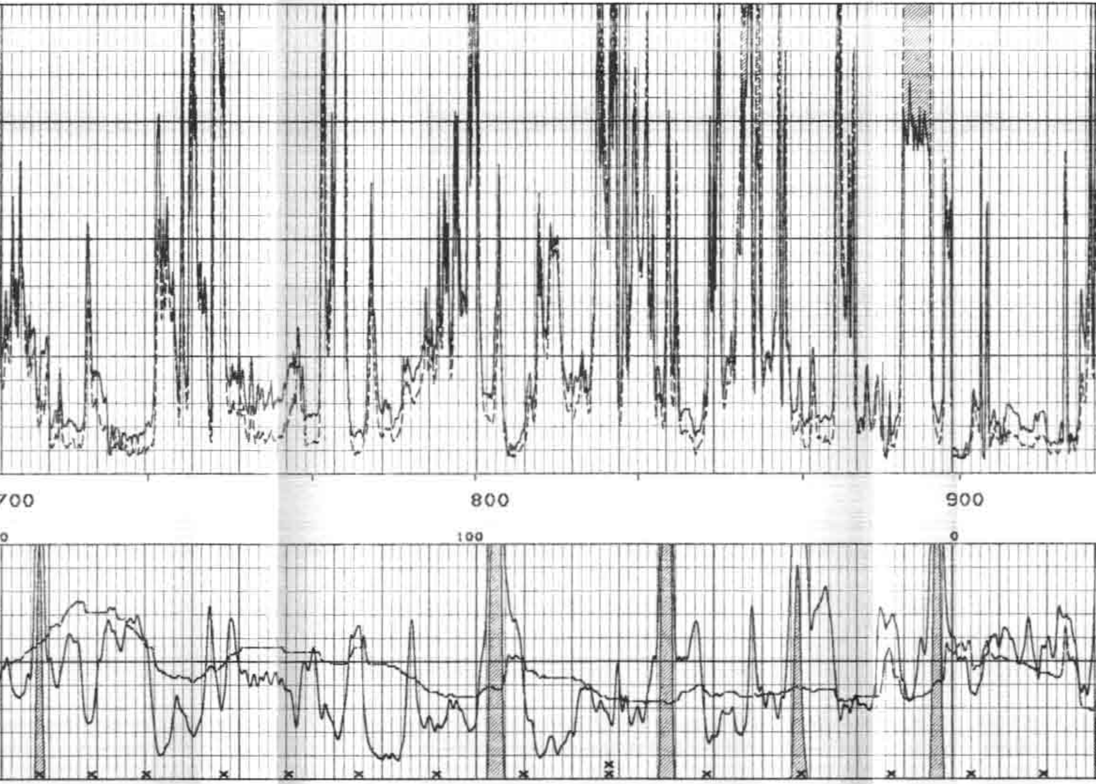
SOURCE STRENGTH, CURIES:

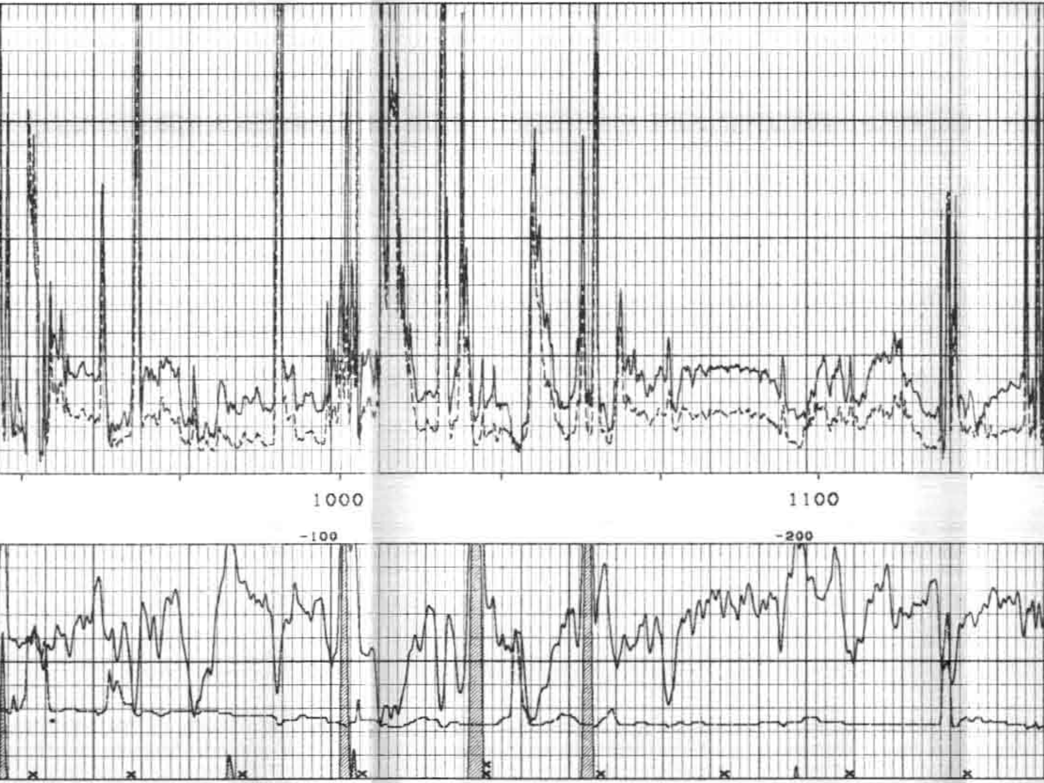
SONDE SERIAL NUMBERS:
820609
850005
COMMENTS
CREW: B. HARRELL, J. MCKIM, S. COURSON.
THANK YOU FOR USING GREAT GUNS!

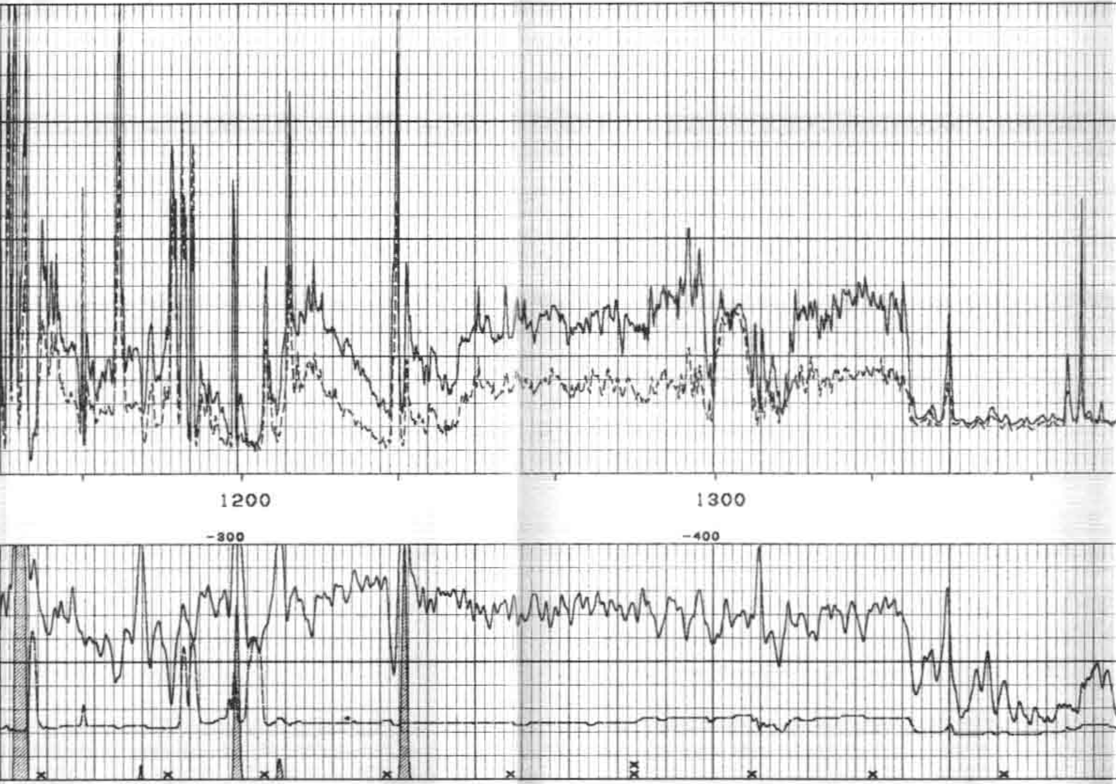
GAMMA RAY API UNITS		MICRO INVERSE OHM-M	
0	150	0	40 0
150	300		
MICROCALIPER INCHES		**MICRO NORMAL** OHM-M	
6	16	0	40 0

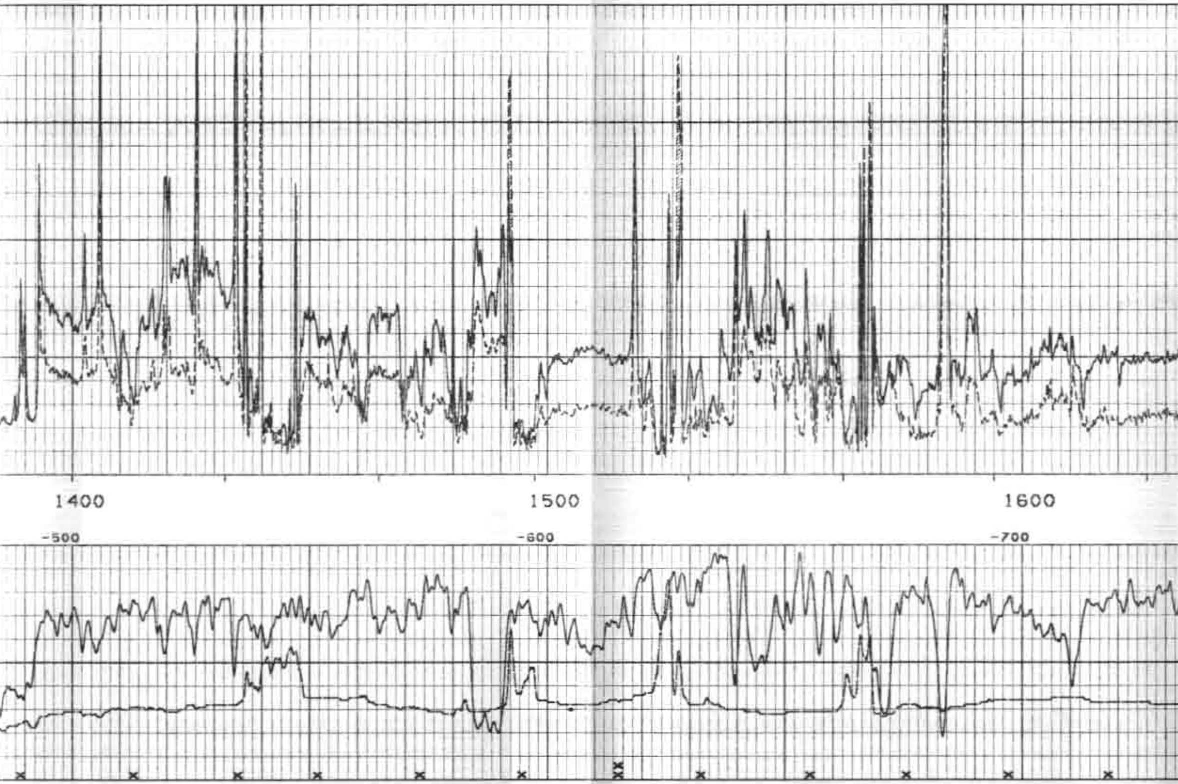


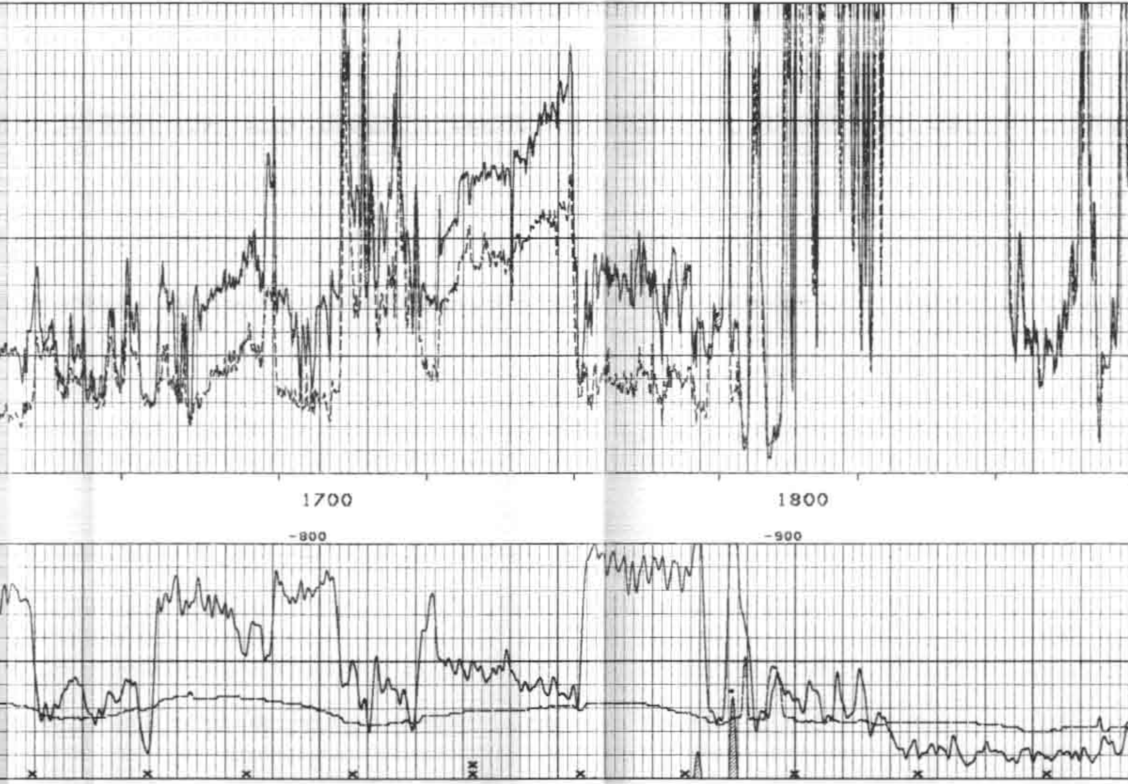


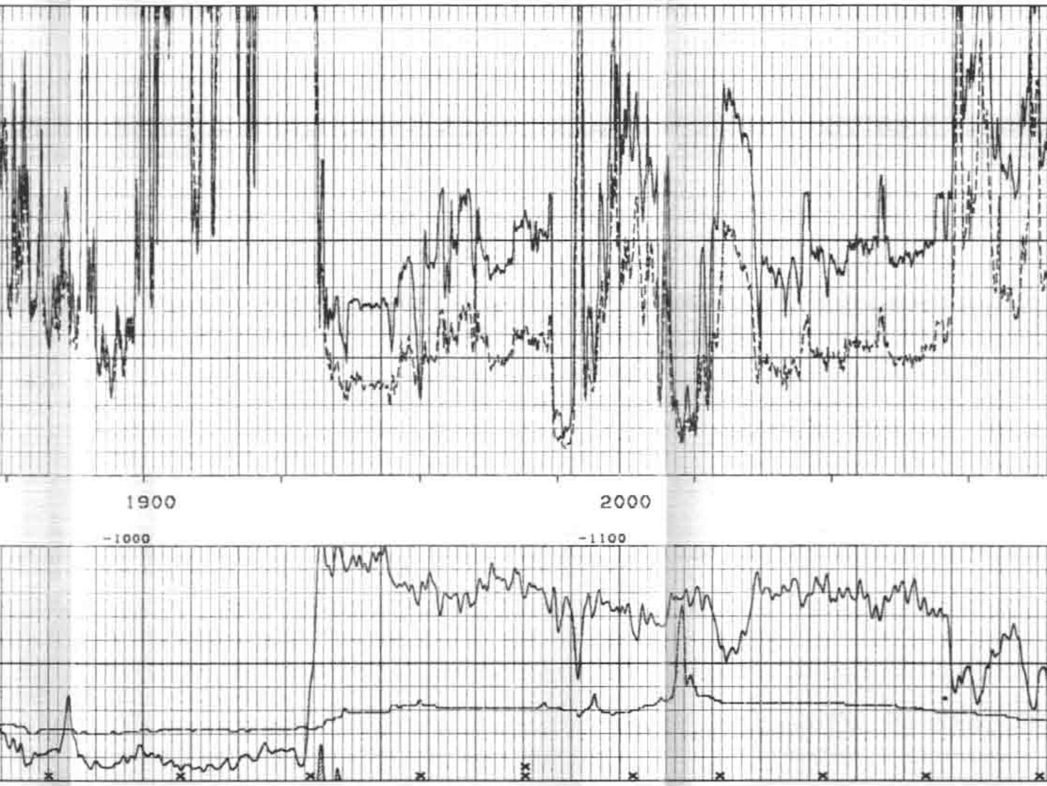


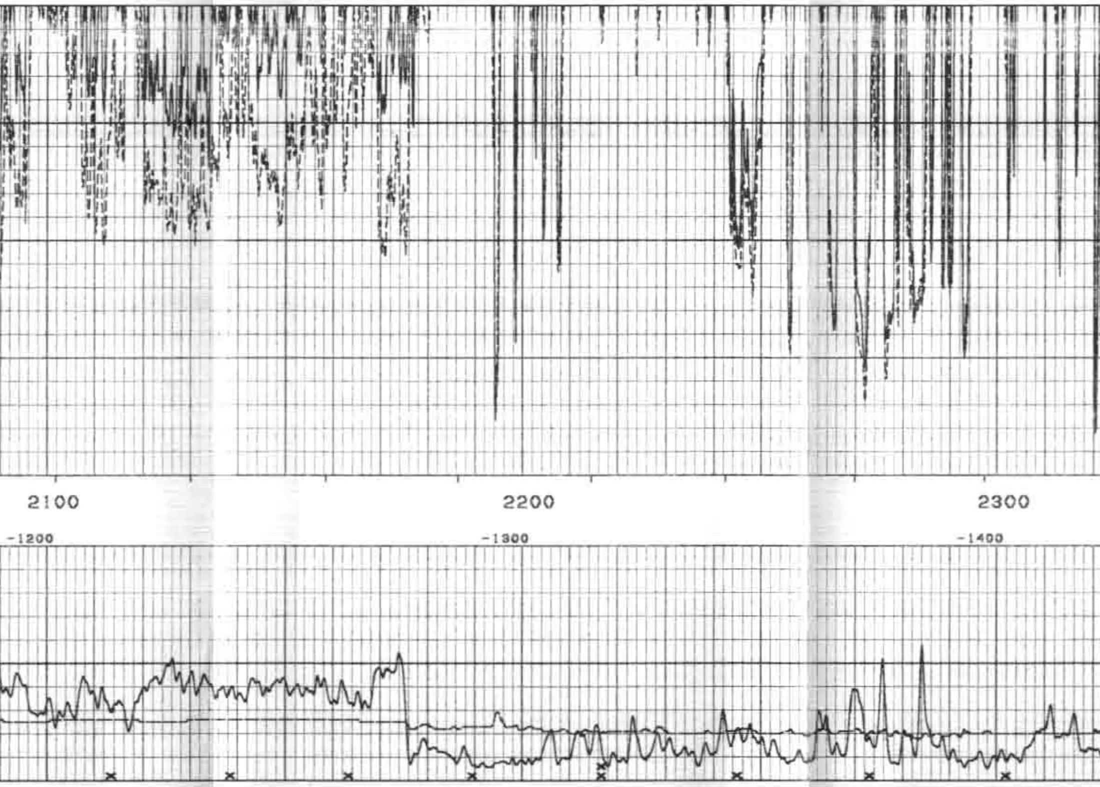


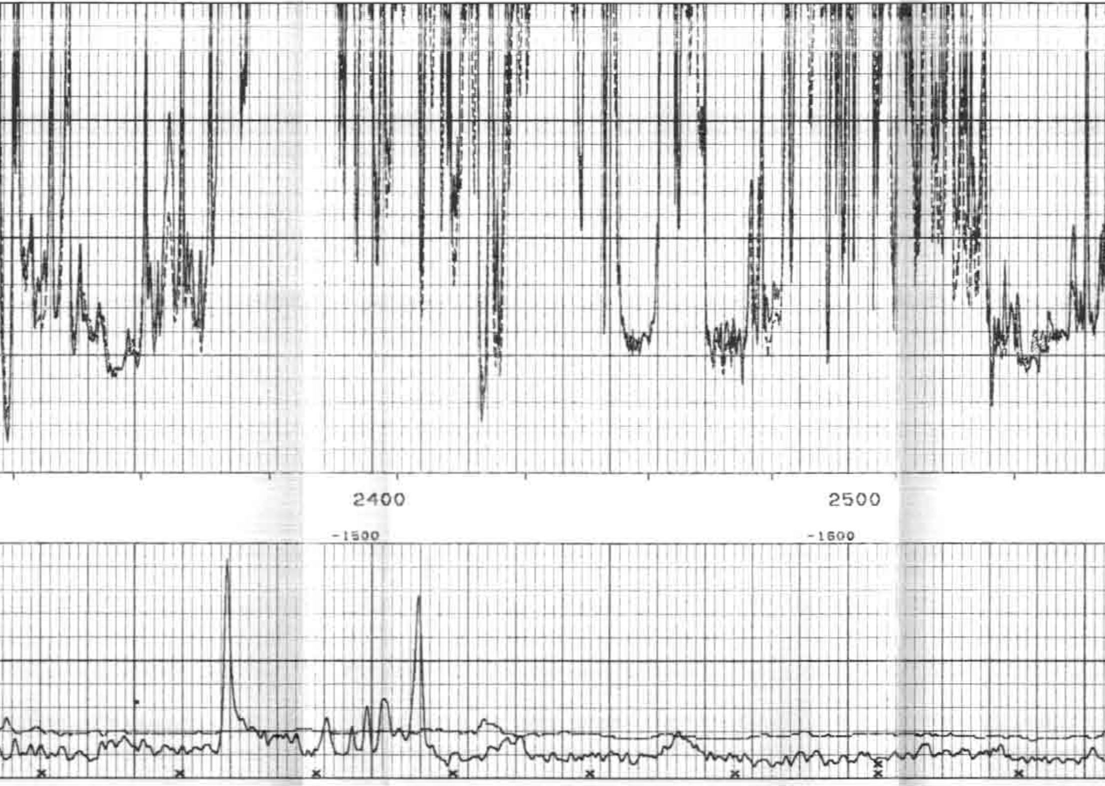


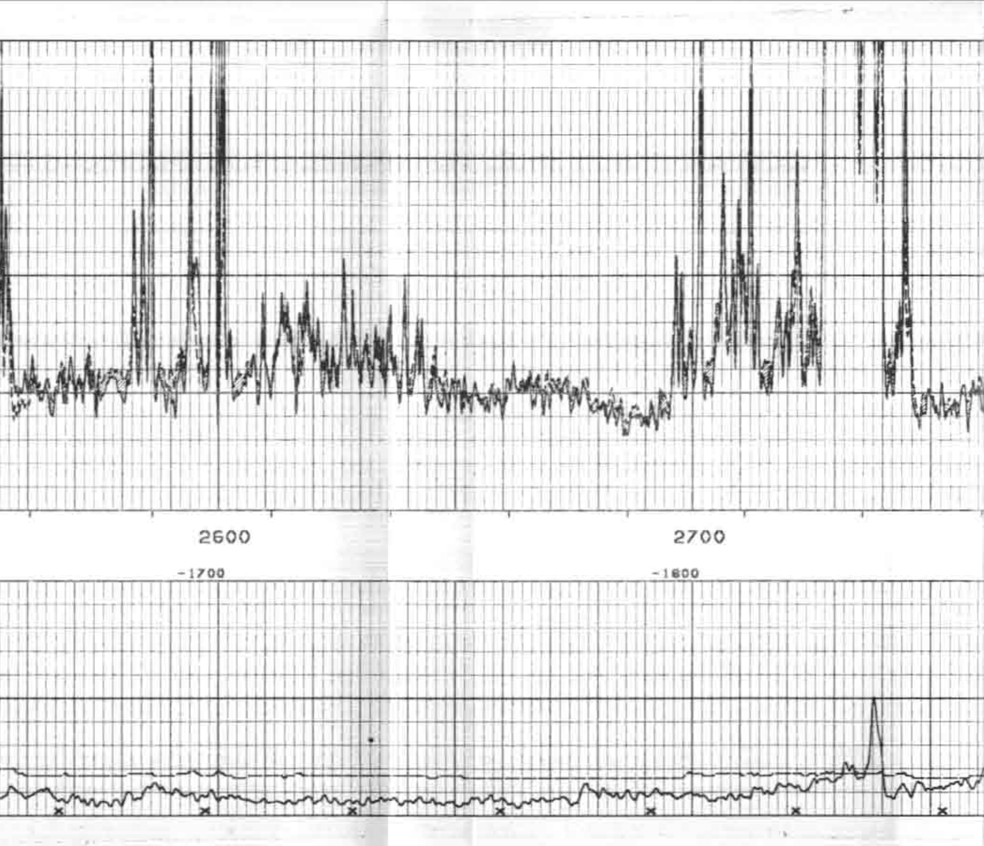


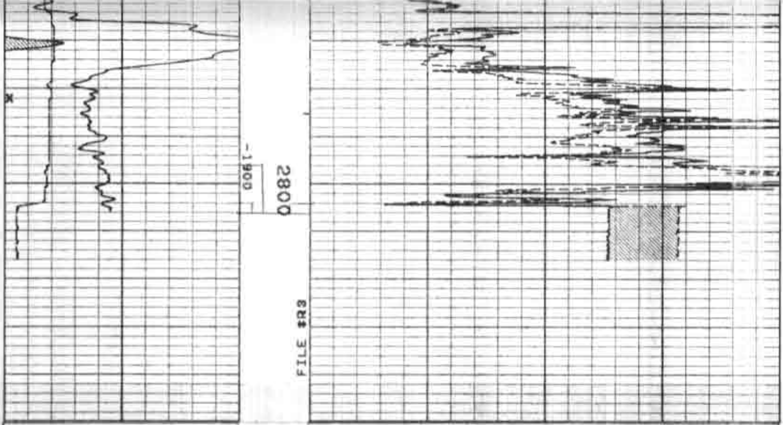










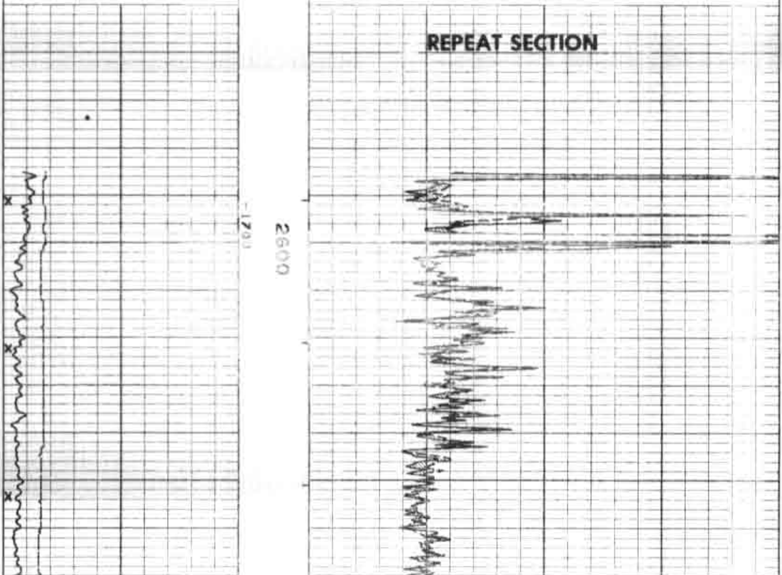


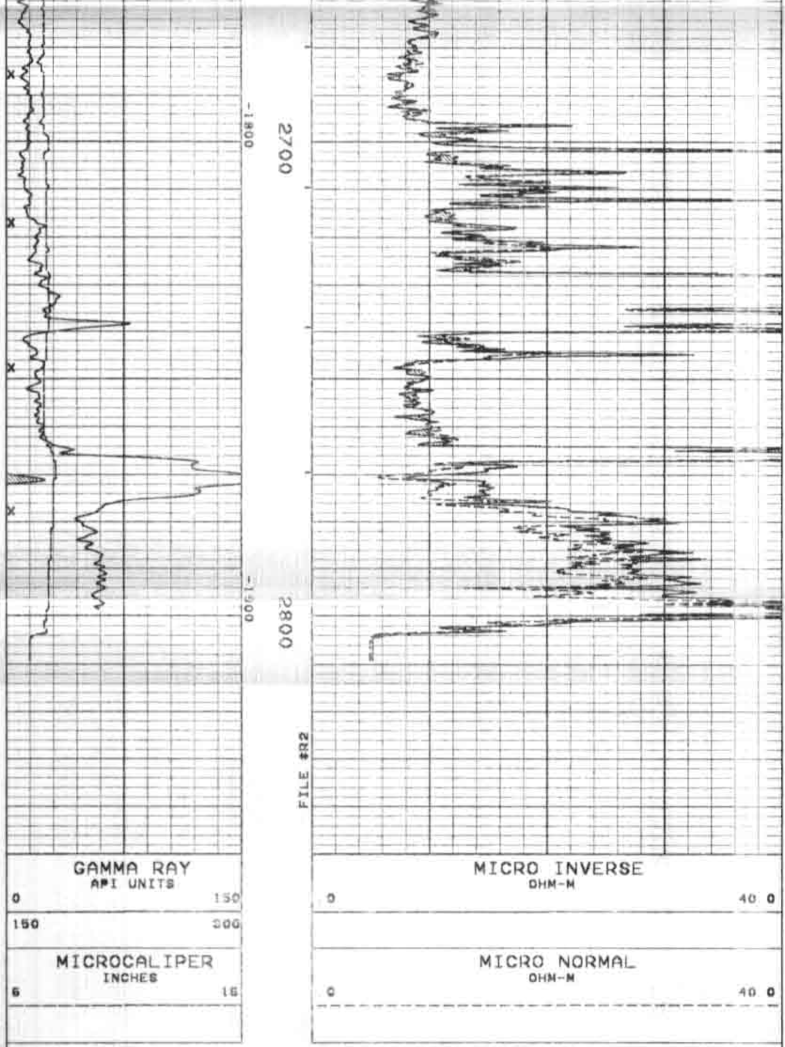
GAMMA RAY
API UNITS
0 150
150 200

MICROCALIPER
INCHES
6 16

MICRO INVERSE
OHM-M
0 40.0

MICRO NORMAL
OHM-M
0 40.0


REPEAT SECTION



SONDE CALIBRATIONS

GR	200 /	336
MPIR	1.0 /	120.0
MPNR	1.0 /	61.0