G03078

RELEASED

GREAT GUNS
Digital Log

OGC # 20045

RECEIVED
SEP 10 1990
MO Oil & Gas Council
Economic Geology

DUAL INDUCTION LOG

COMPANY JAMES K. ANDERSON
WELL FLETCHER #4
FIELD RUNAMMUCK
COUNTY ATCHISON

FILE NO.: GB 61280

STATE: MISSOURI
COUNTRY: USA

LOCATION: 340'FNL & 820'FWL

SEC: 15 TWP: 63N RGE: 40W

DATE: 4/20/90
RUN NO.: 1

PERMANENT DATUM: GL
DRILLING MEASURED FROM: KB
LOG MEASURED FROM: KB
ABOVE PERMANENT DATUM: 9.0

DEPTH--DRILLER: 3290.0
DEPTH--LOGGER: 3288.0
BOTTOM LOG INTERVAL: 3287.5
TOP LOG INTERVAL: 290.0

CASING DEPTH--DRILLER: 338.0
CASING DEPTH--LOGGER: 332.0
CASING DIAMETER: 8.625
BIT SIZE: 7.875
UNIT NO.: 85
LOCATION: GT. BEND
RECORDED BY: BOB HARRELL
WITNESSED BY: MR. JAMES ANDERSON

ELEVATIONS:
KB: 891.4
DF: 0
GL: 882.4

SERVICES:
GR10
BCN
DENS

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SOFTWARE VERSION:
412

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.

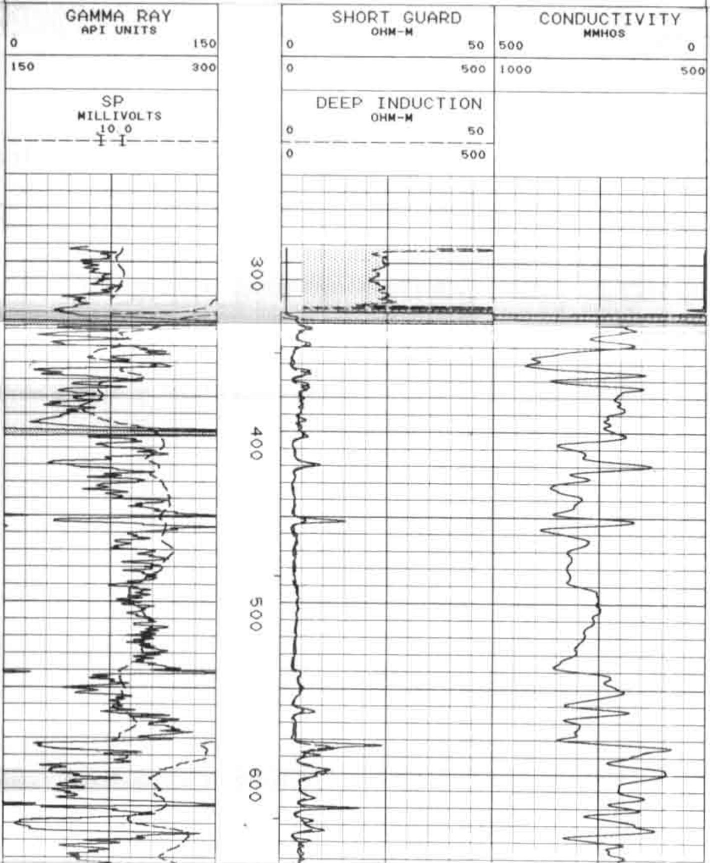
DEPTH TO FLUID: 20.0
TYPE FLUID IN HOLE: CHEMICAL
DENSITY, LB/G: 9.0
VISCOSITY, CP: 40
PH: 9.5
FLUID LOSS, CC: 10.0
SALINITY, PPM: 3400
SOURCE OF SAMPLE: MEAS.
RM: .950 OHM-M AT 88 DEG. F
RMF: .713 OHM-M AT 88 DEG. F
RMC: 1.425 OHM-M AT 88 DEG. F
SOURCE RMF AND RMC: MEAS.
RM AT BHT: .767 OHM-M AT 109 DEG. F
RMF AT BHT: .575 OHM-M AT 109 DEG. F
RMC AT BHT: 1.150 OHM-M AT 109 DEG. F

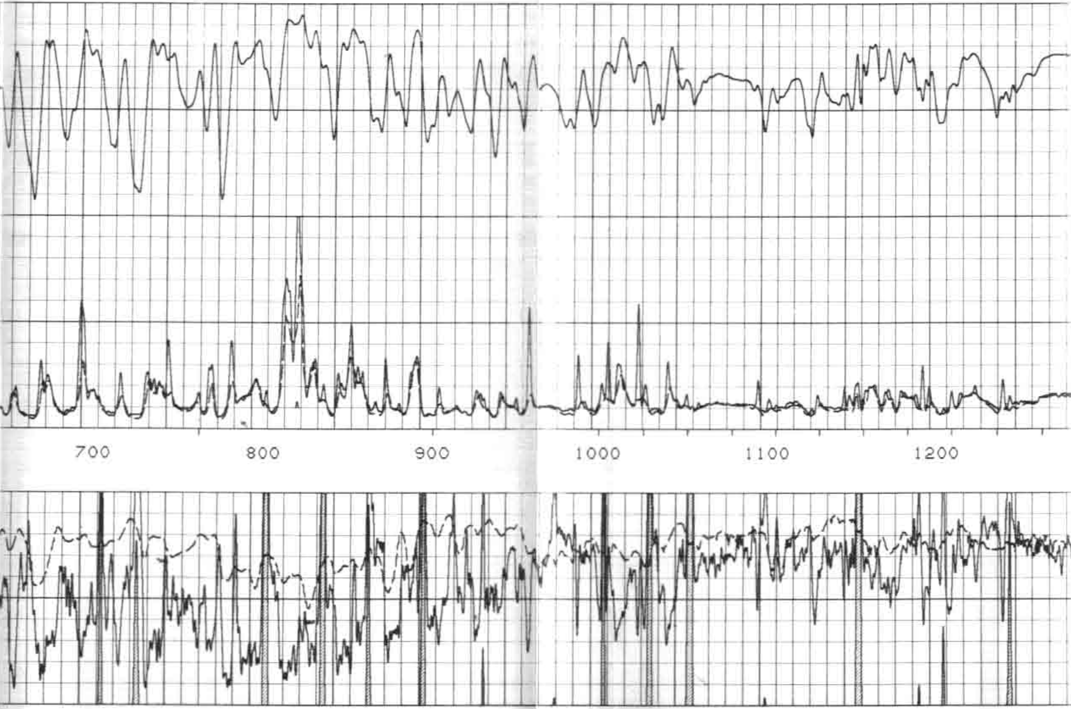
MAX. RECORDED TEMP.: 109 DEG. F
TIME SINCE LAST CIR., HRS.: 2.0
OPERATING RIG TIME, HRS.: 2.5

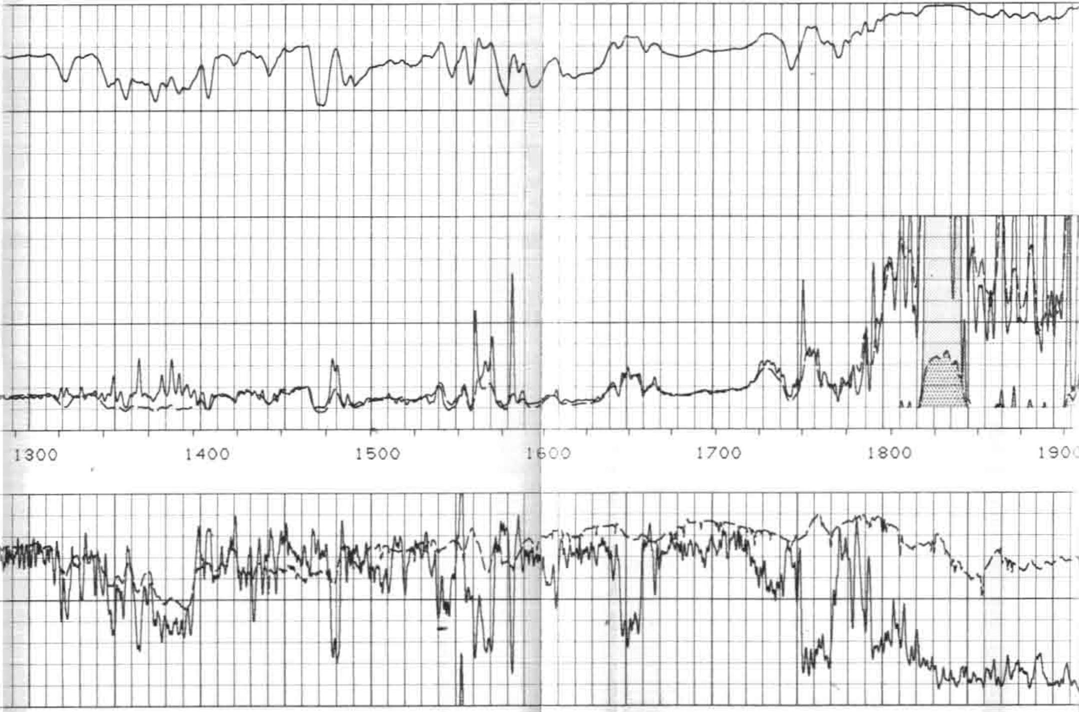
SOURCE SERIAL NUMBERS:

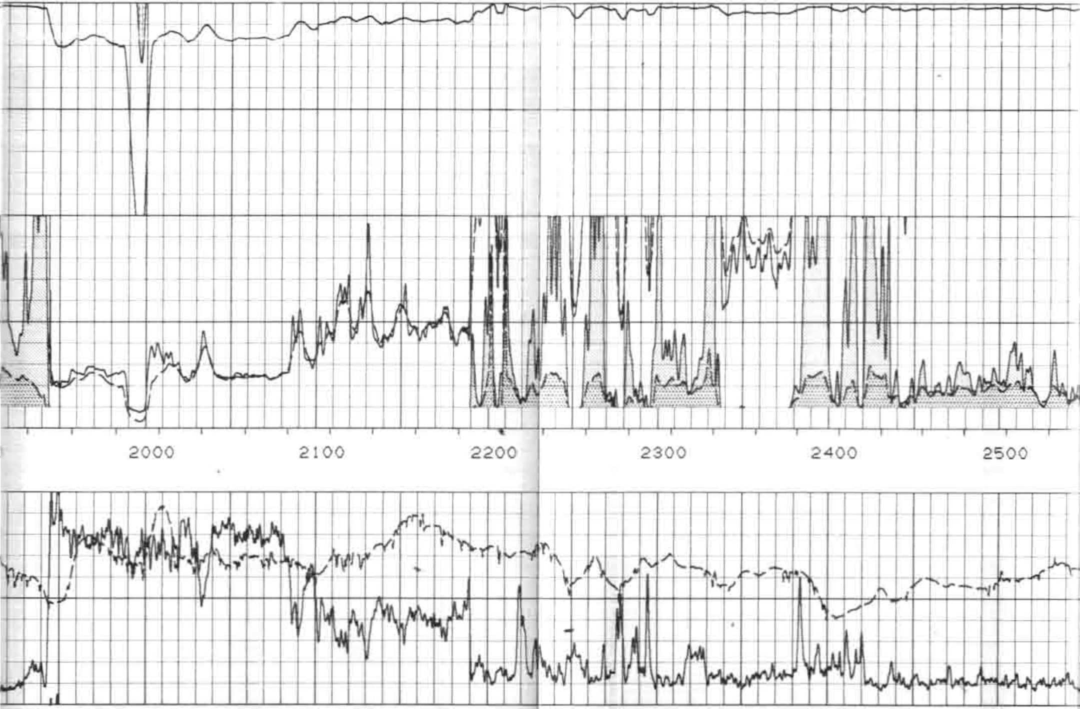
712A848B CSV-C2
SOURCE STRENGTH, CURIES:

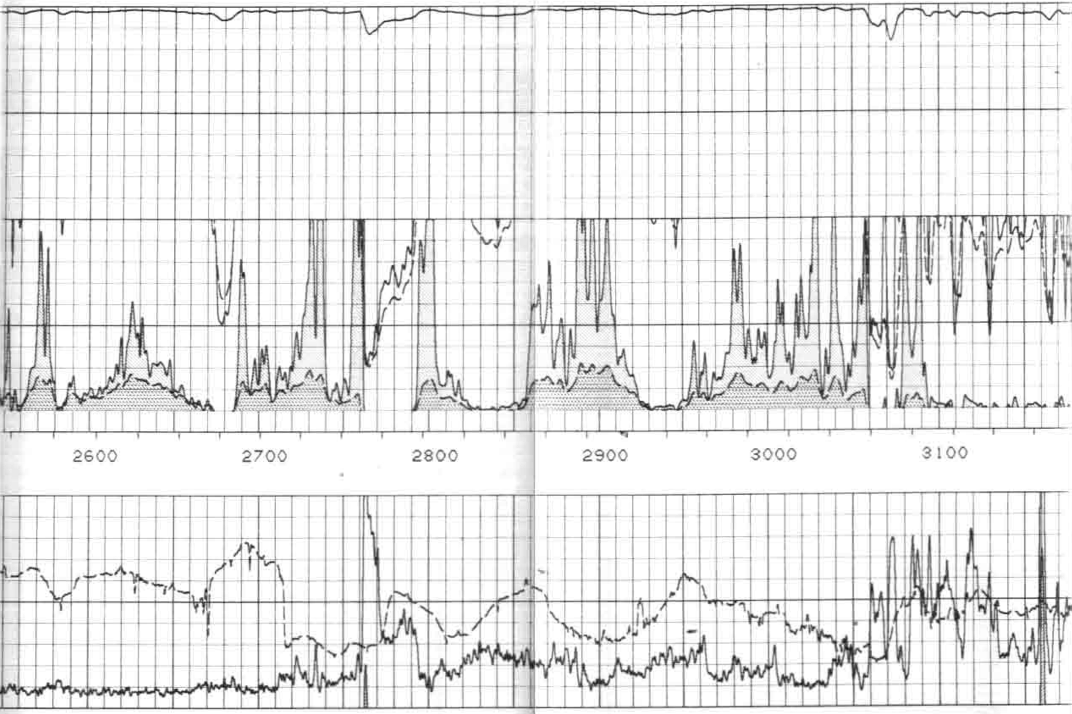
20.000 2.000
SONDE SERIAL NUMBERS:
820609 820111
820719
COMMENTS
<<<<<<< THANK YOU FOR USING GREAT GUNS! (316) 793-9156 >>>>>>>
<<<<<<<<< CREW: B. HARRELL, S. COURSON, C. MCCRARY. >>>>>>>>>>

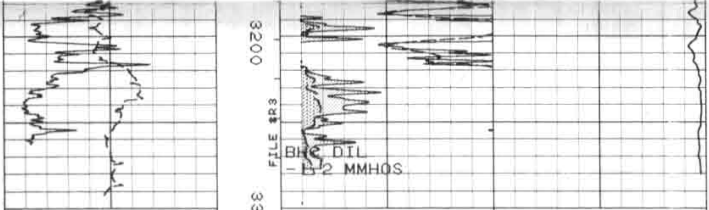




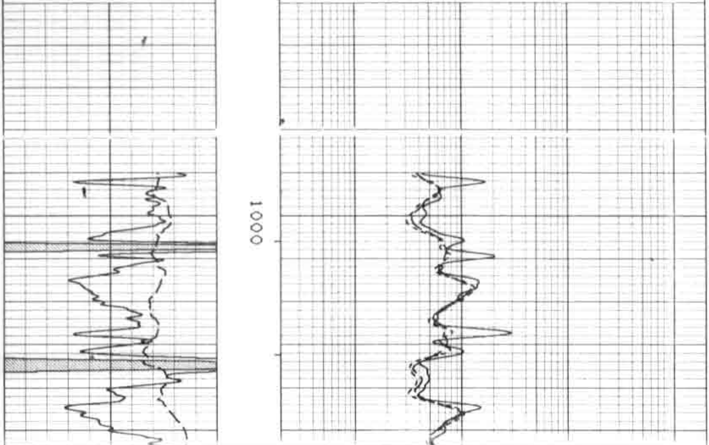


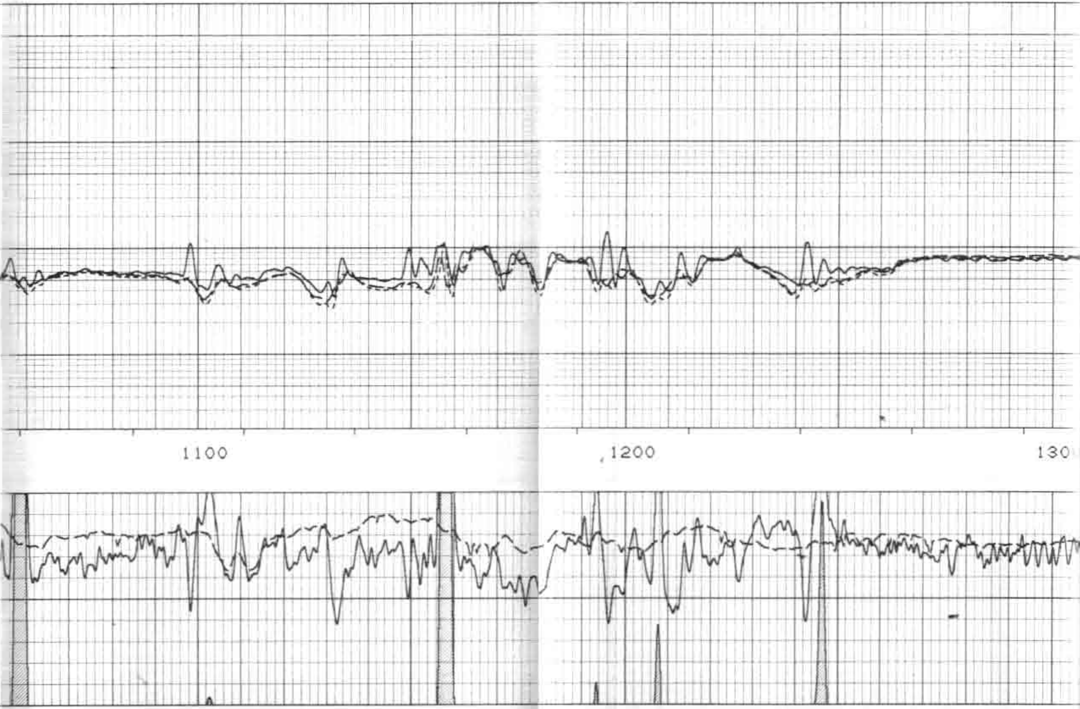


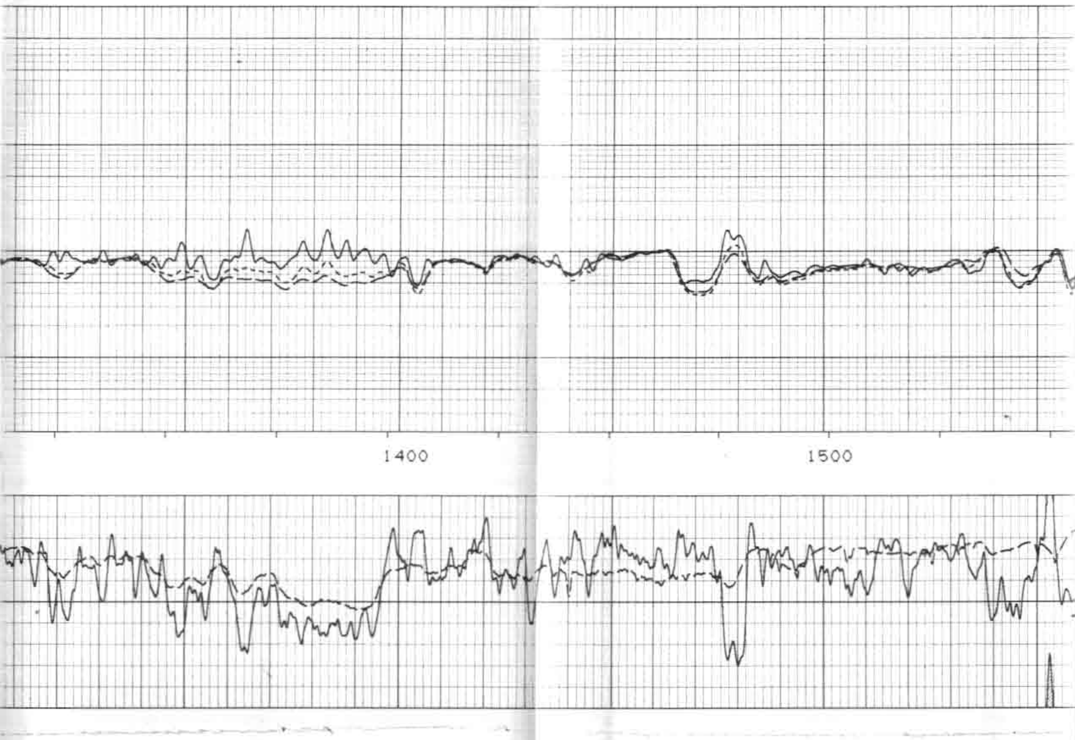


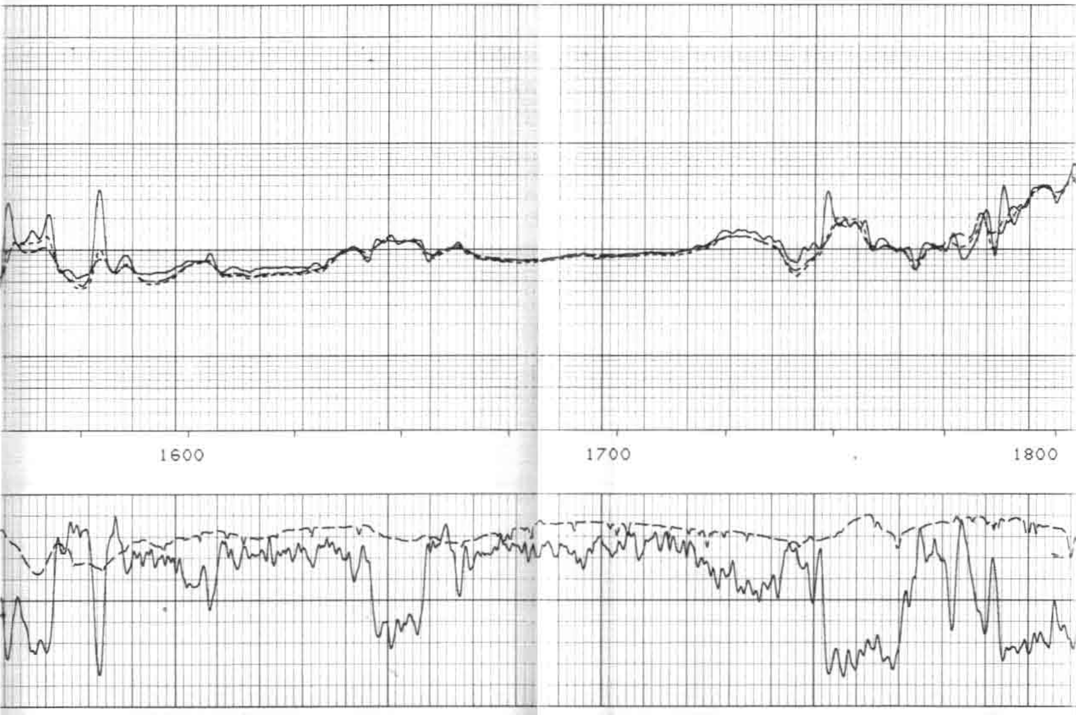


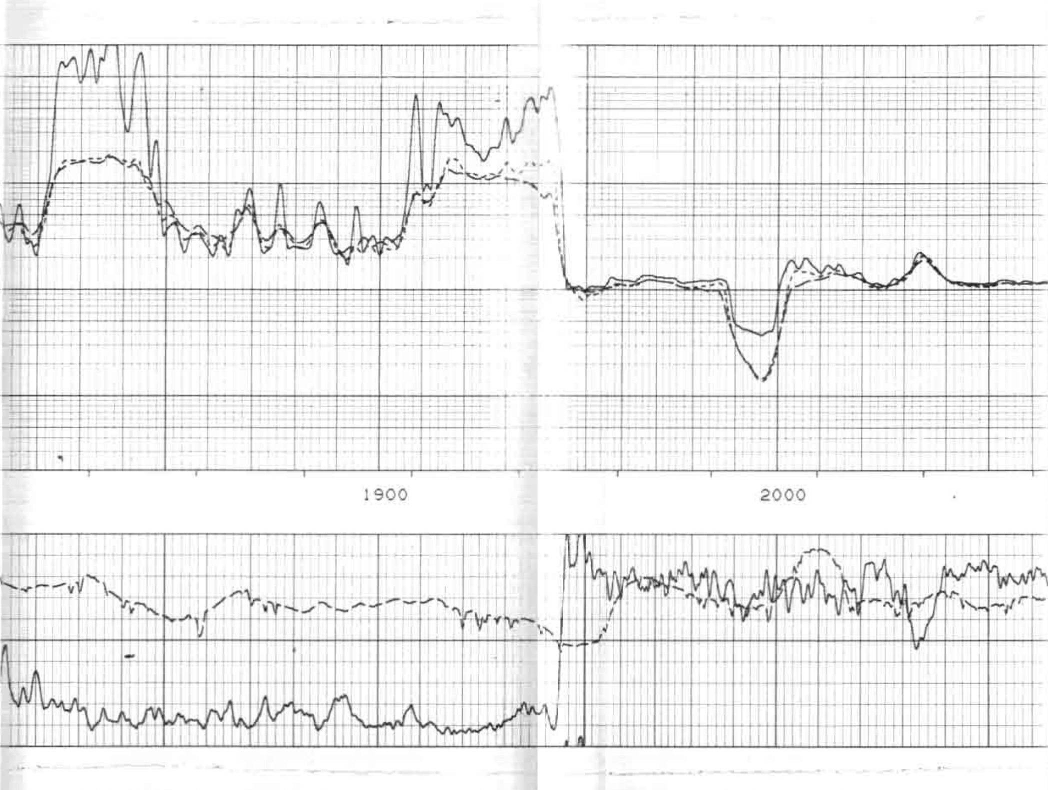
GAMMA RAY API UNITS	SHORT GUARD OHM-M	CONDUCTIVITY MMHOS
0 150	0 50	500 0
150 300	0 500	1000 500
SP MILLIVOLTS 10.0	DEEP INDUCTION OHM-M	
	0 50	
	0 500	
GAMMA RAY API UNITS	SHALLOW GUARD OHM-M	
0 150	.2 2000.0	
150 300		
SP MILLIVOLTS 10.0	DEEP INDUCTION OHM-M	
	.2 2000.0	
	MEDIUM INDUCTION OHM-M	
	.2 2000.0	

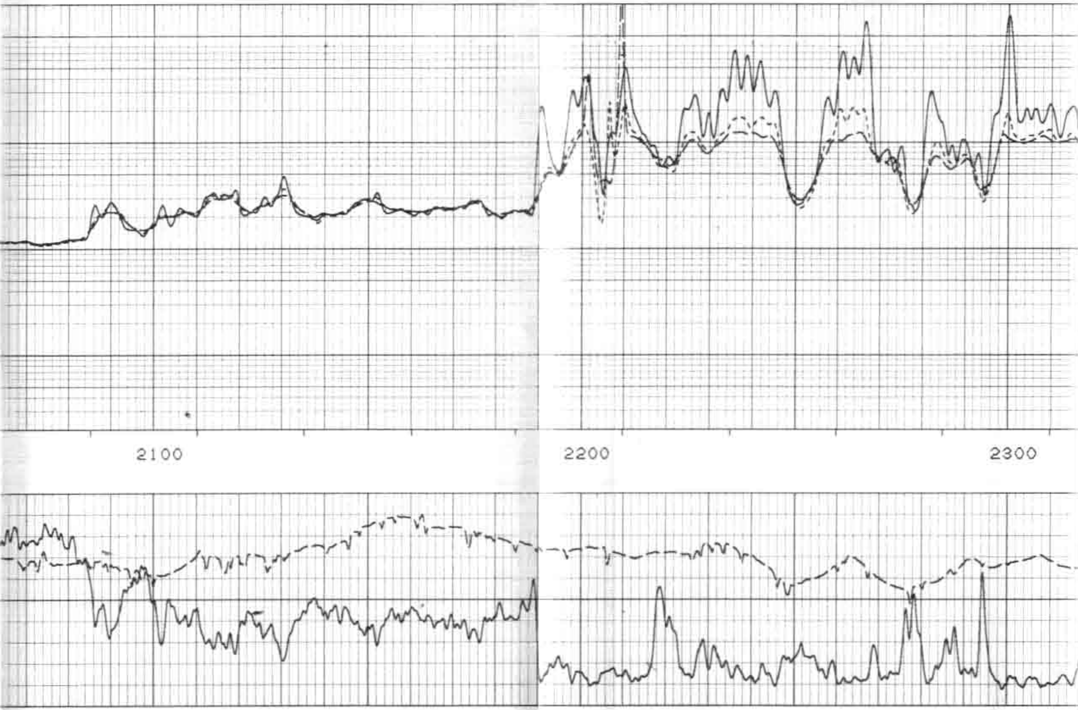


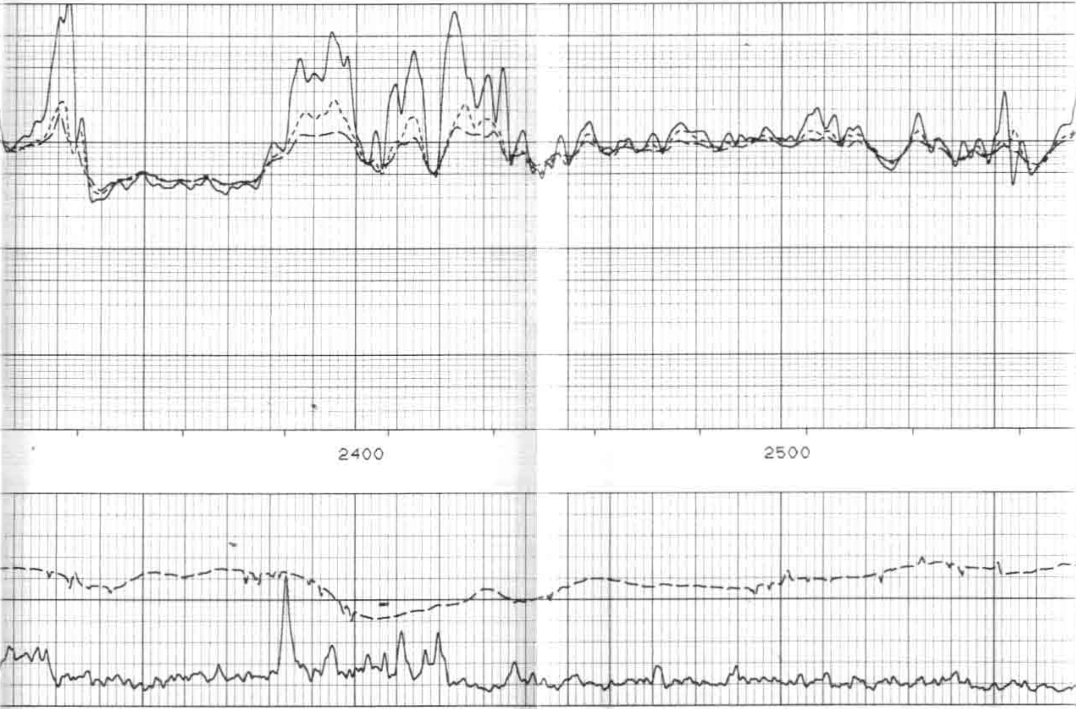


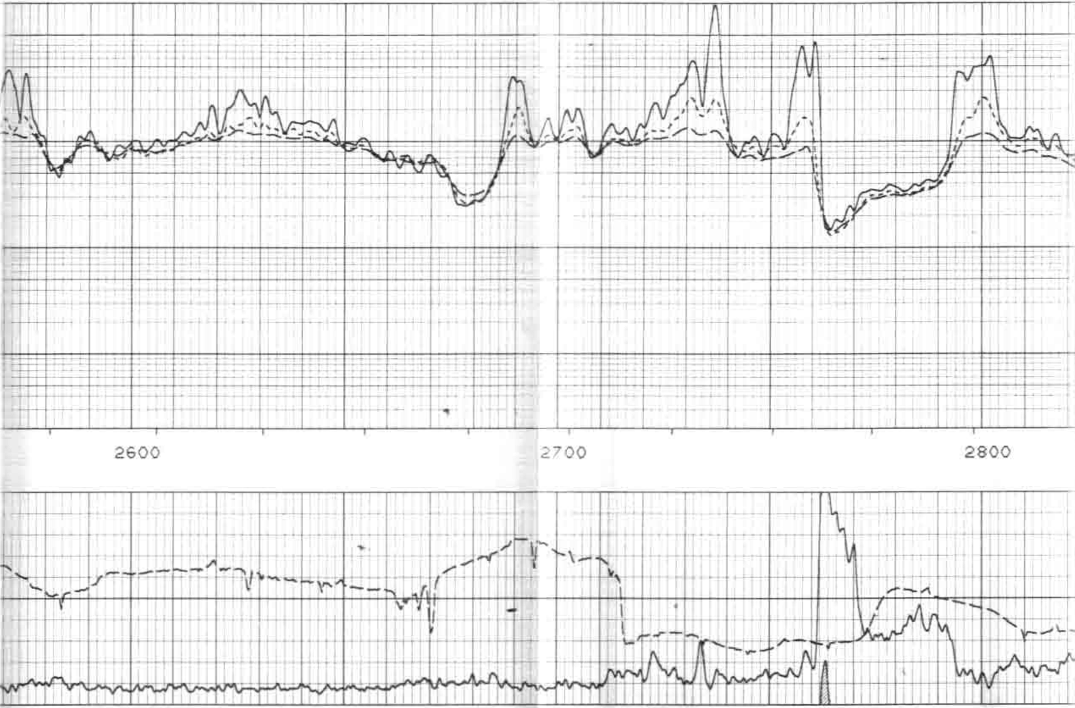


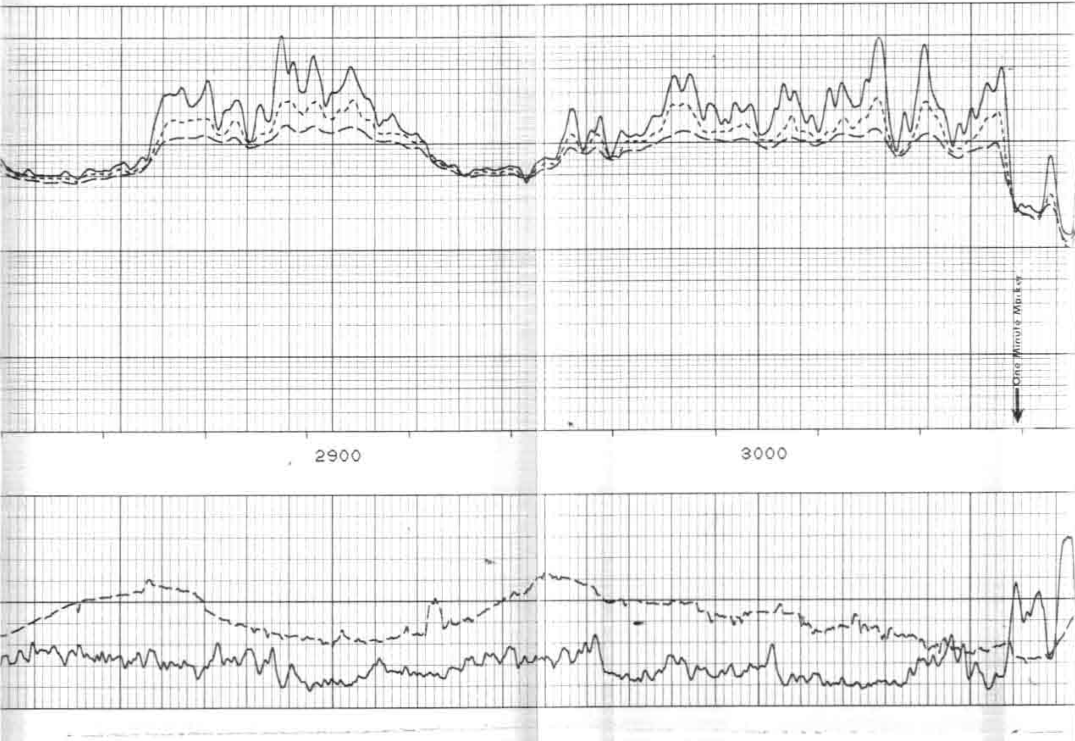


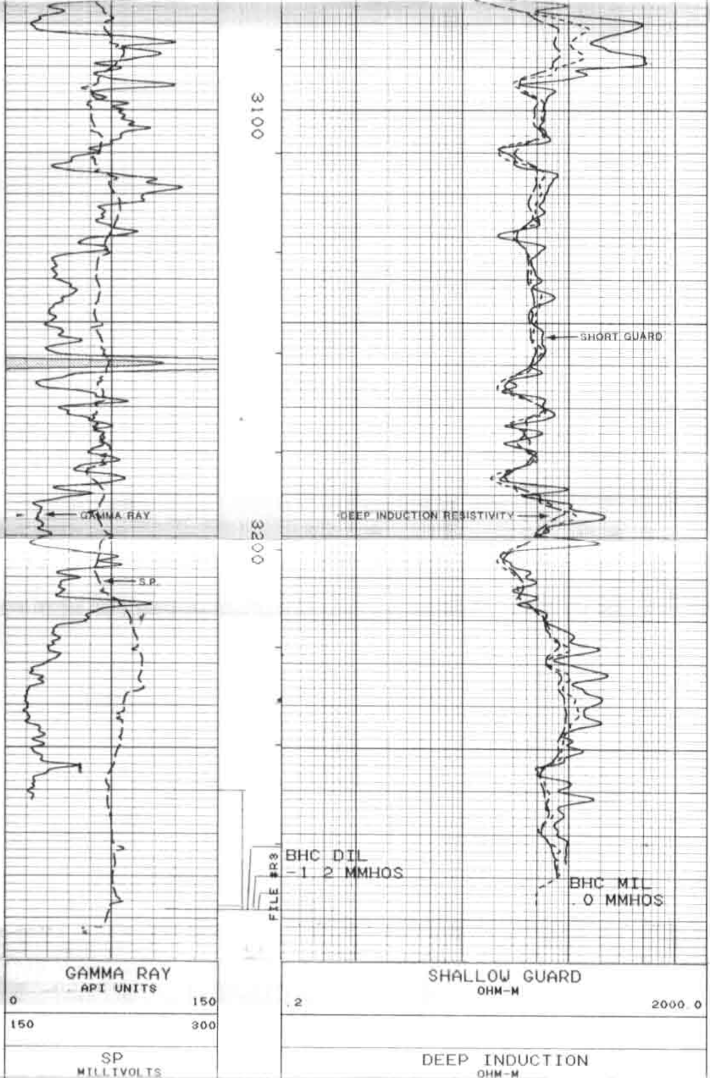












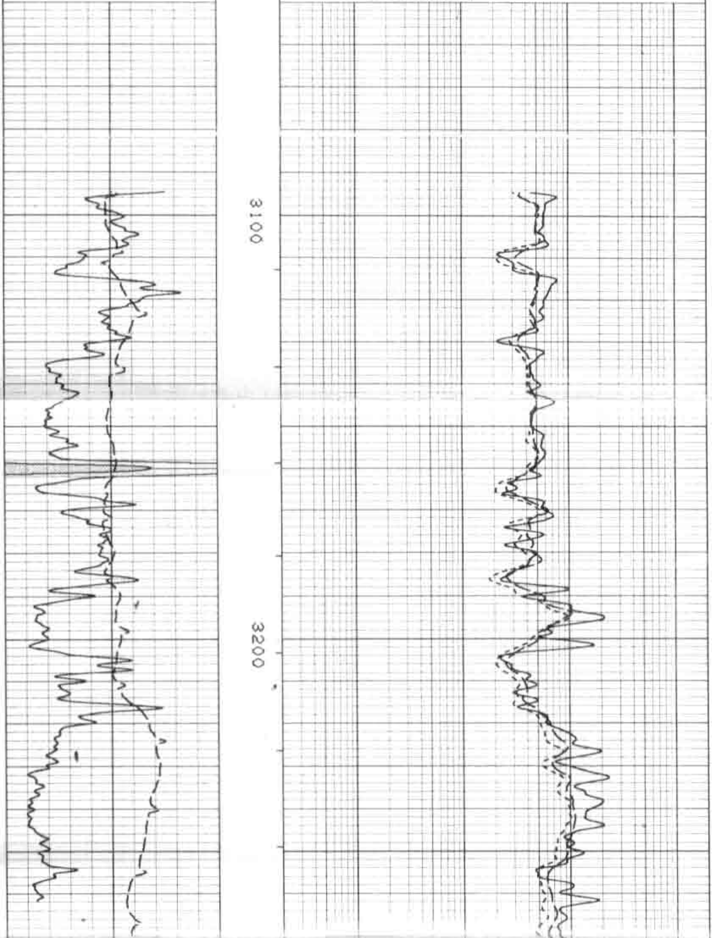
10.0

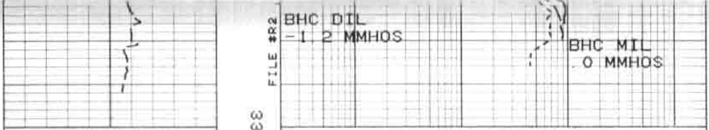
.2 2000.0

MEDIUM INDUCTION
OHM-M

.2 2000.0

REPEAT SECTION





GAMMA RAY
API UNITS
0 150
150 300

SP
MILLIVOLTS
10.0

SHALLOW GUARD
OHM-M
.2 2000.0

DEEP INDUCTION
OHM-M
.2 2000.0

MEDIUM INDUCTION
OHM-M
.2 2000.0

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SONDE CALIBRATIONS
GR          200 /    336
SGR         1.0 /      9  +.8
DIL  LOOP    2425 / ZERO     463
BIAS=        .0
MIL  LOOP    2797 / ZERO     725
BIAS=        .0
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