Schlumberger

5" BULK DENSITY

CSU Field Log

COMPANY: ARCO EXPLORATION COMPANY

WELL: "COLUMBIA COUNTY" #23-19

FIELD: MIST-WILDCAT
COUNTY: COLUMBIA
STATE: OREGON
NATION: U.S.A.
LOCATION: 2097.6'E AND 356.66'S
FR WEST 1/4 CORNER
SEC: 19 TWP: 6N RGE: 5W

OTHER SERVICES-
DIL BHC
FDC-CNL-GR
HDT
CST

API SERIAL NO: 36-009-001

PROGRAM TAPE NO: 26.2
SERVICE ORDER NO: 431981

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 754.1 F
LOG MEASURED FROM: KB
11.0 F ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 765.1 F
DF: 764.1 F
GL: 754.1 F

DATE: 10 JUL 85
RUN NO: 1

DEPTH-DRILLER: 3435.0 F
DEPTH-LOGGER: 3426.0 F
BTM. LOG INTERVAL: 3424.0 F
TOP LOG INTERVAL: 30.0 F

CASING-DRILLER: 420 F
CASING-LOGGER: 420 F
CASING: 9 5/8"

BIT SIZE: 8 3/4"
DEPTH: 3435 F

RECEIVED - PTLD
JUL 11 1985
DEPT. OF GEOLOGY
& MINERAL INDUS

TYPE FLUID IN HOLE: LIGNITE/DESCO
DENSITY: 10.3 LB/G
VISCOSITY: 45.0 S
PH: 8.8
FLUID LOSS: 4.2 C3
SOURCE OF SAMPLE: FLOWLINE
RM: 1.770 OHMM AT 75.0 DEGF
RMF: 2.450 OHMM AT 65.0 DEGF
RMC: 2.330 OHMM AT 65.0 DEGF
SOURCE RMF/RMC: MEASURED/MEASURED
RM AT BHT: 1.170 OHMM AT 117. DEGF
RMF AT BHT: 1.422 OHMM AT 117. DEGF
RMC AT BHT: 1.352 OHMM AT 117. DEGF

TIME CIRC. STOPPED: 7/10 1130
TIME LOGGER ON BTM.: 1827

MAX. REC. TEMP: 117.0 DEGF

LOGGING UNIT NO: 8057
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: ANDERSEN
WITNESSED BY: BUIKEMA

REMARKS:

950 PPM CHLORIDES
INDUCTION AND SONIC RUN IN COMBINATION.

EQUIPMENT NUMBERS-

PGS 542	PDH 1244	NLM 207	CNC 1132
SGC 3206			

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.

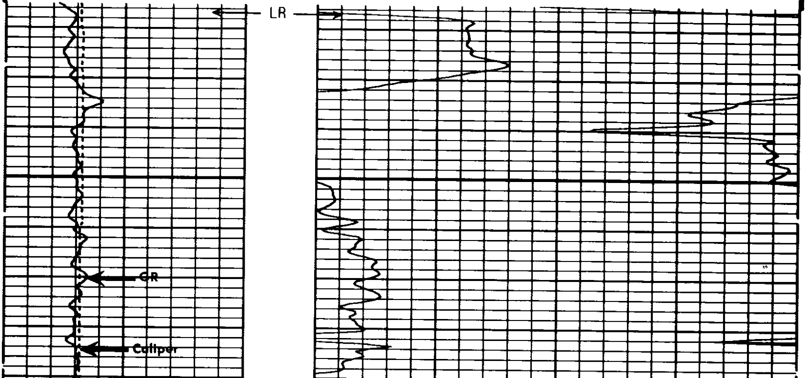
FILE 21 10-JUL-85 20:49
DATA ACQUIRED 00- -00 00:00

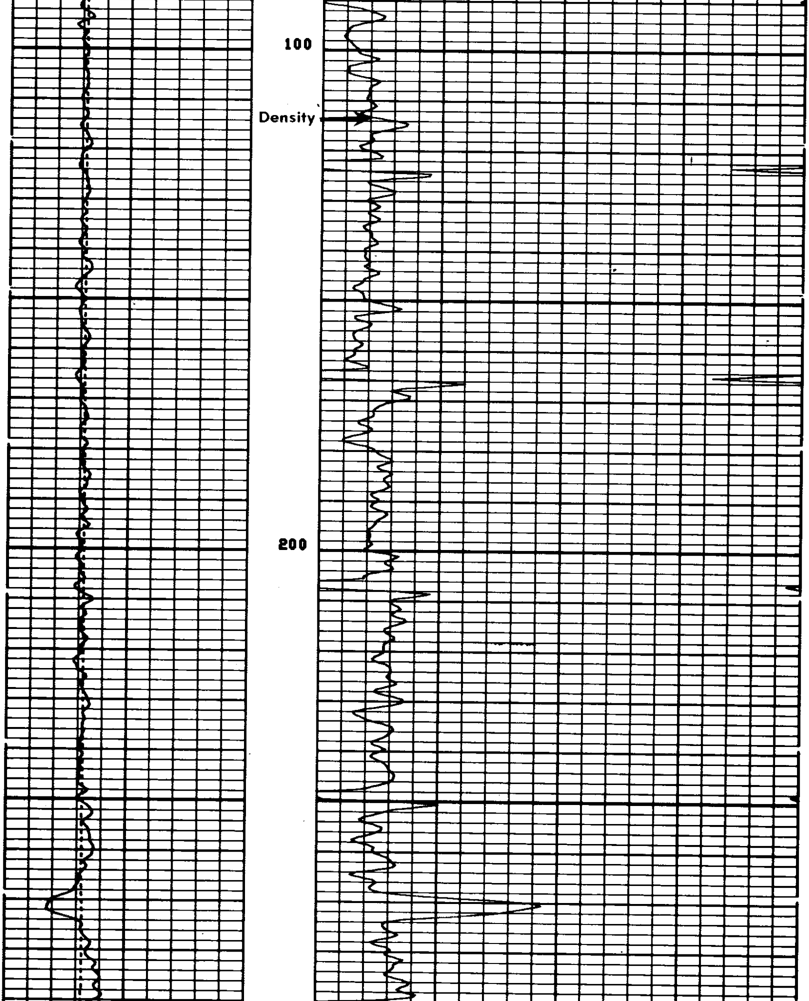
CHANGED PARAMETERS

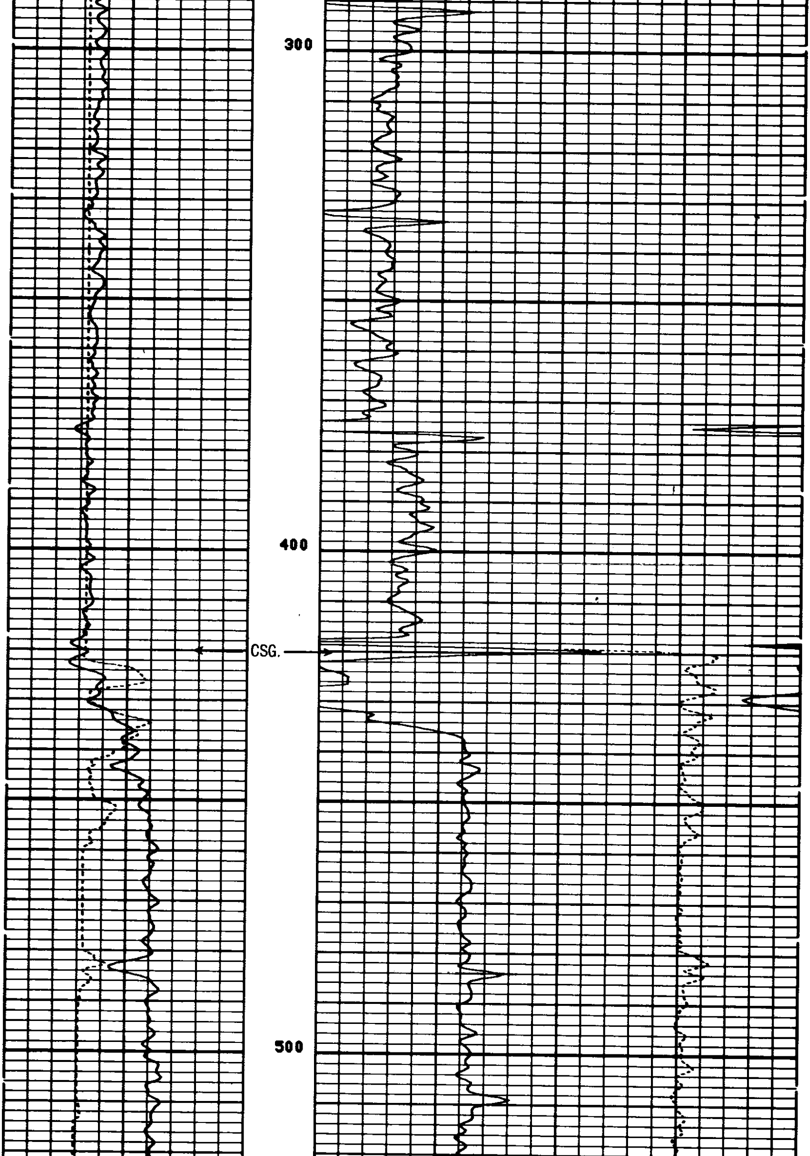
NAME	VALUE	UNIT	DEPTH (F)	NAME	VALUE	UNIT	DEPTH (F)
BHS	CASE		418.5				

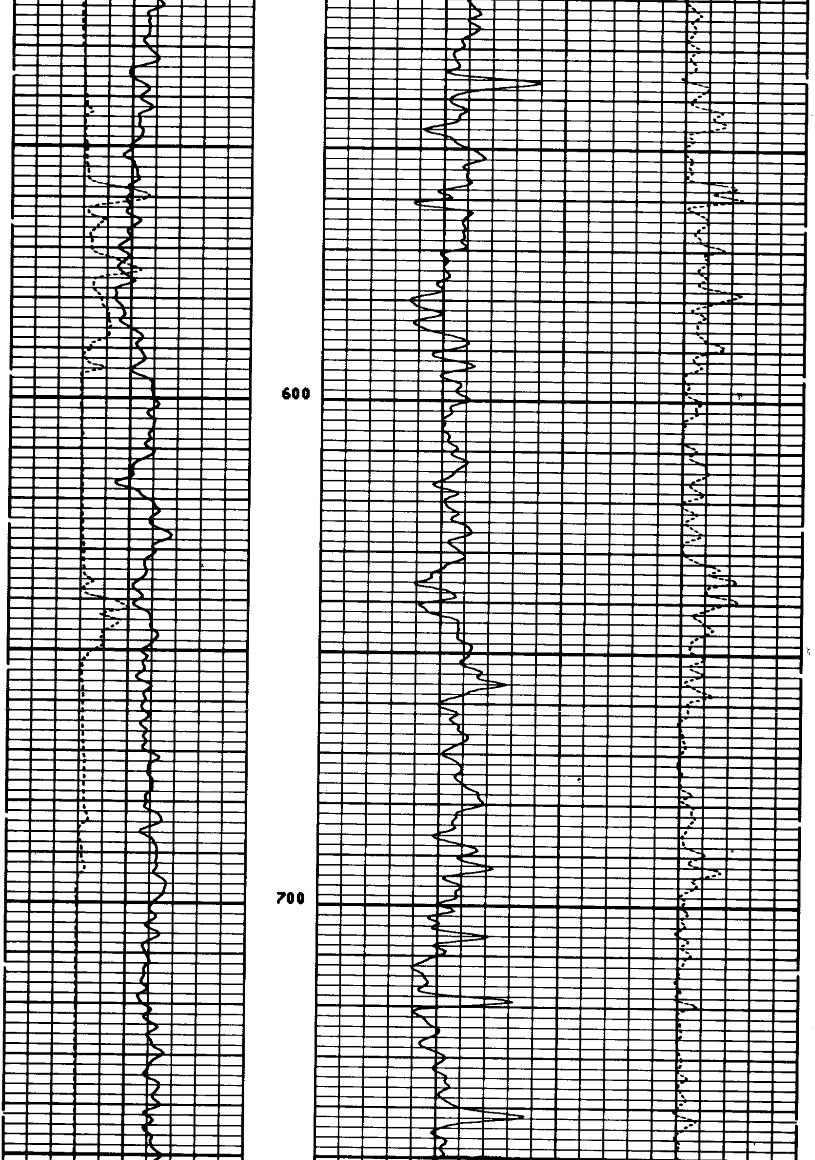
CALI(IN) 6.0000 16.000
GR (GAPI) 0.0 150.00
DRHO(G/C3) -.2500 .25000
RHOB(G/C3) 2.0000 3.0000

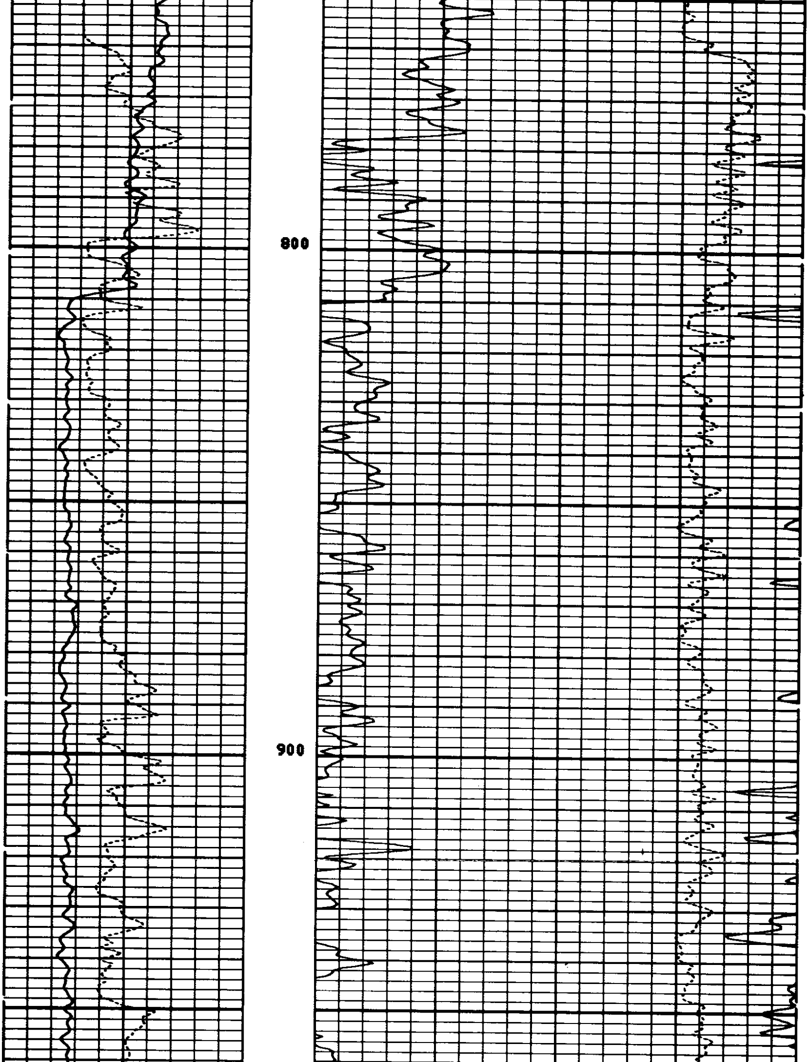
FILE 18 10-JUL-85 20:25

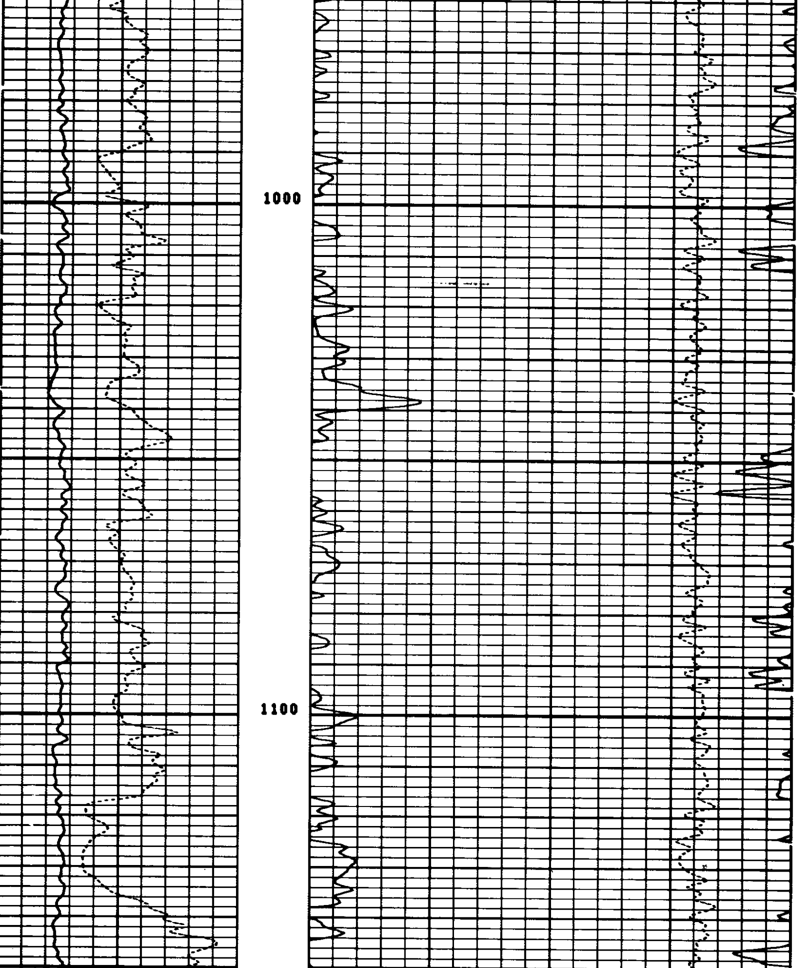


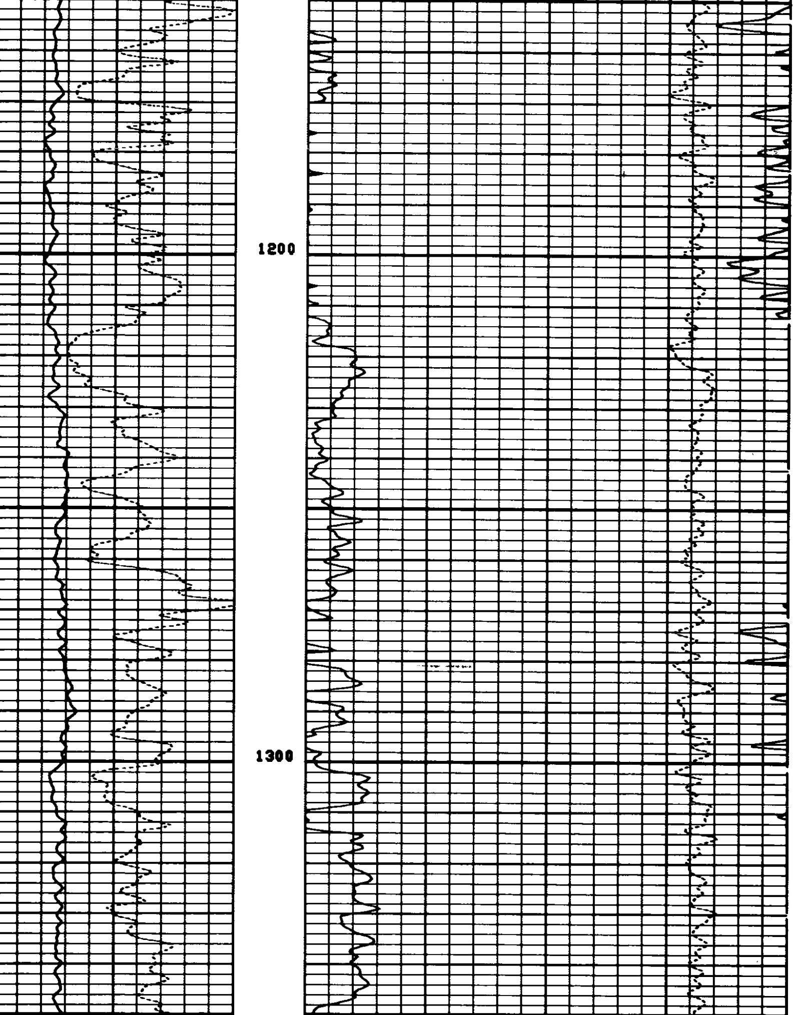


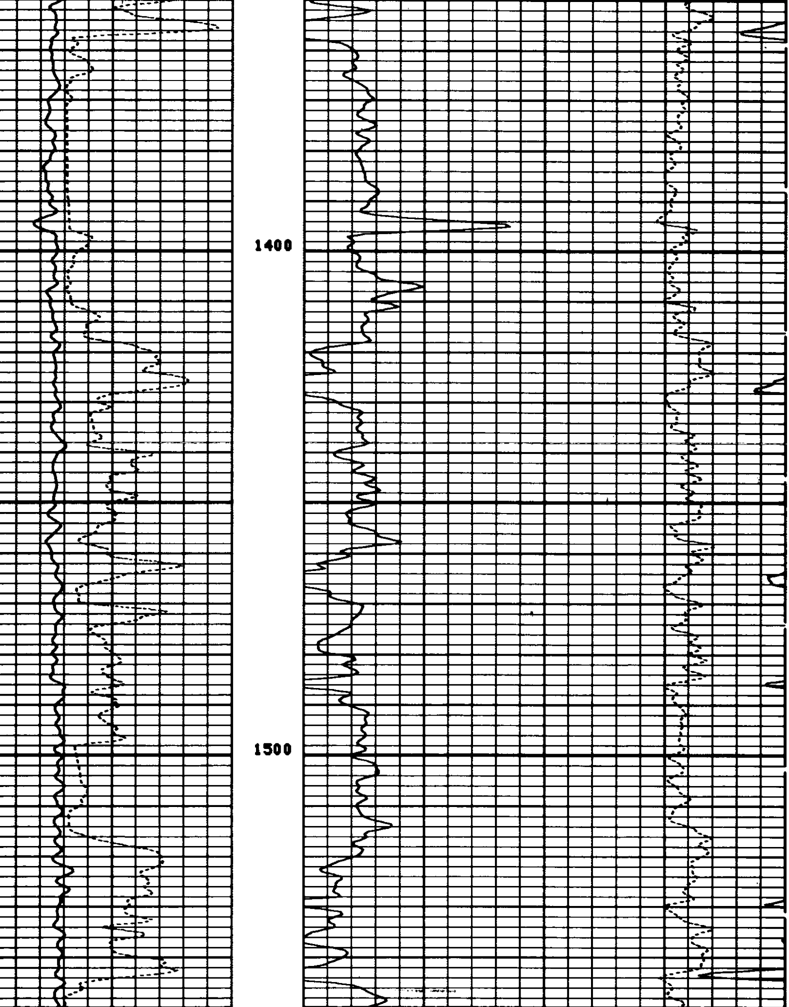


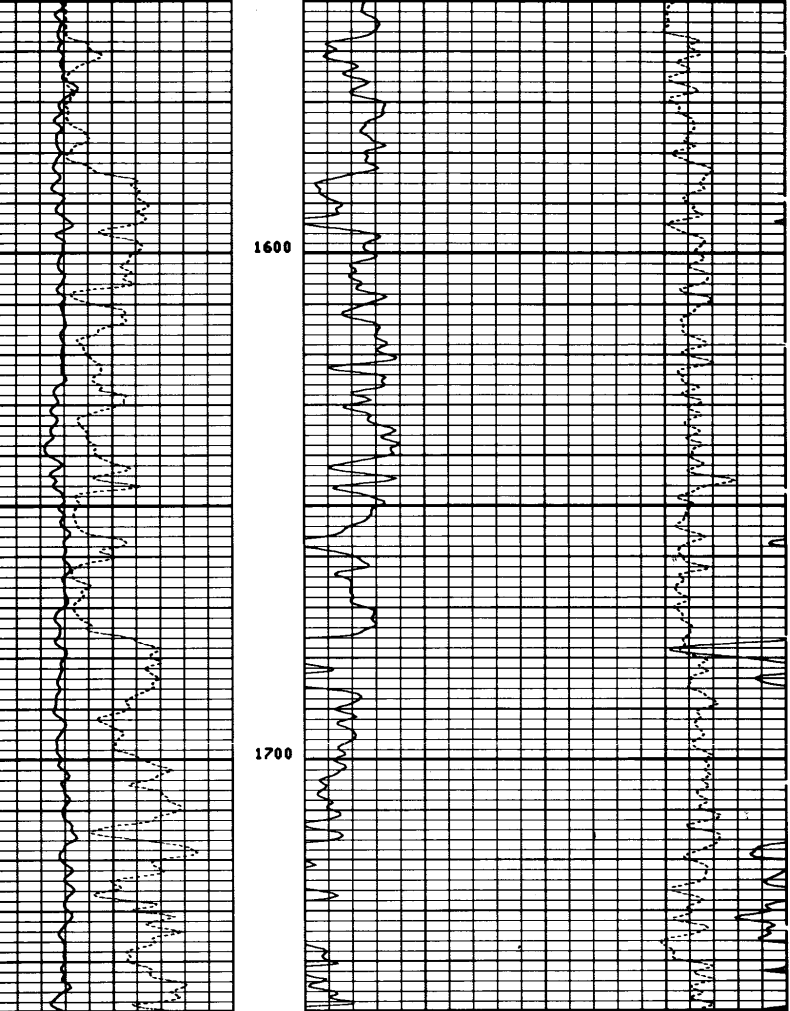


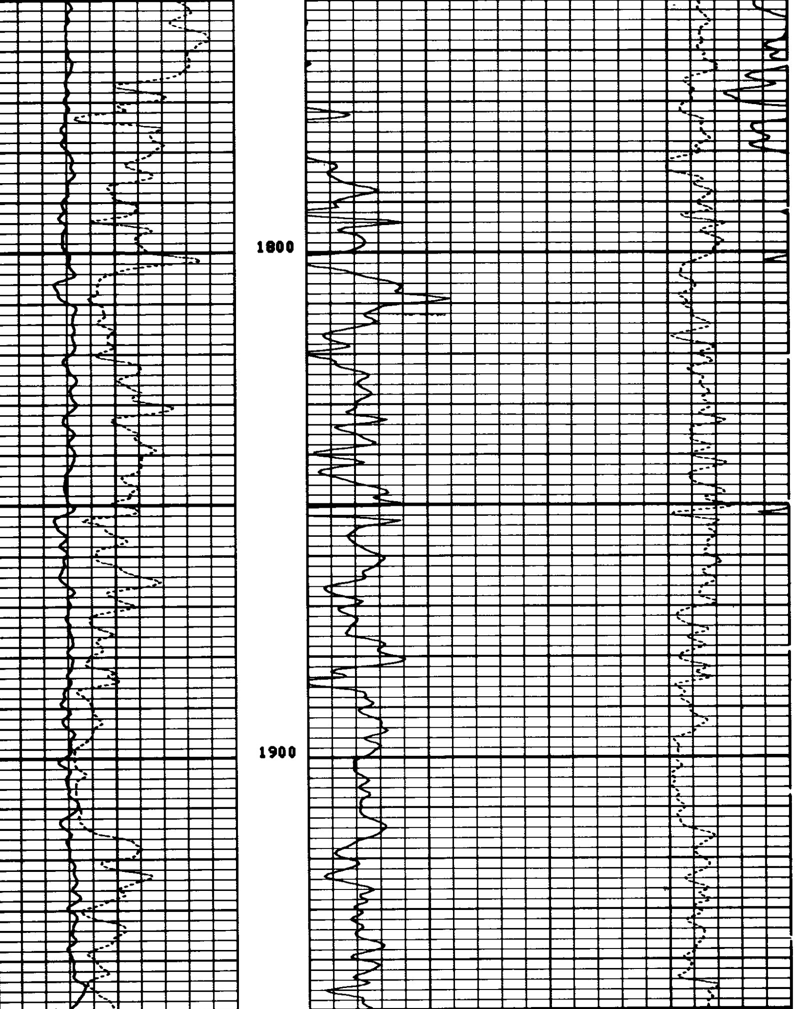


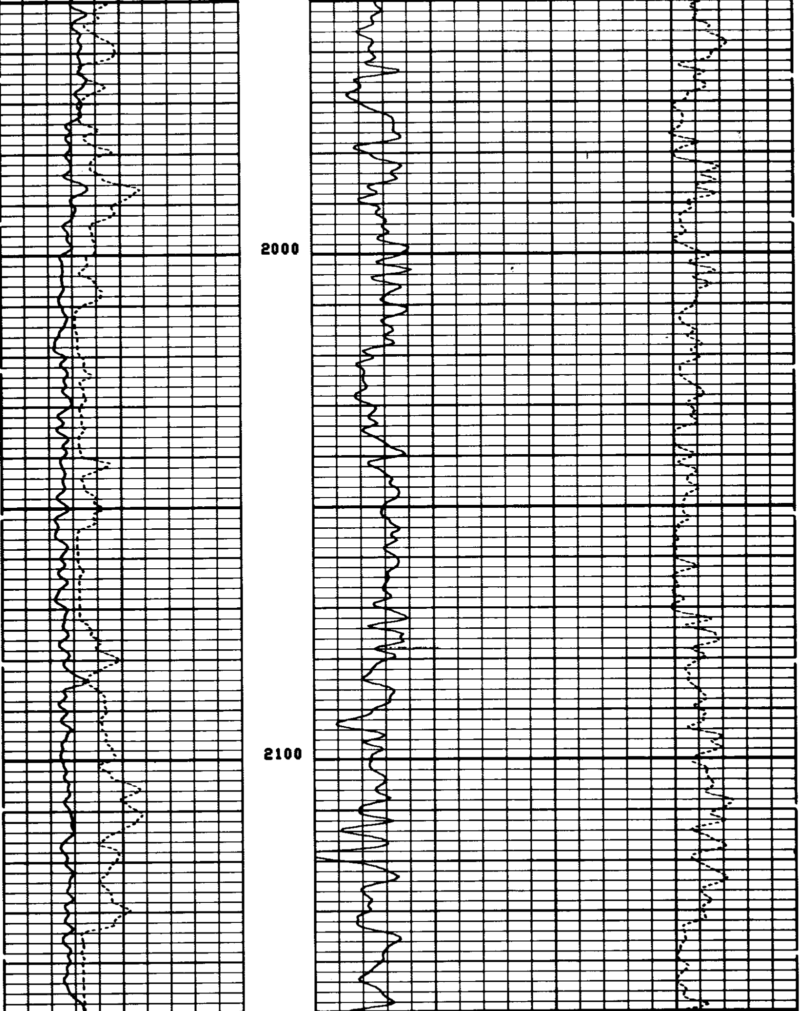


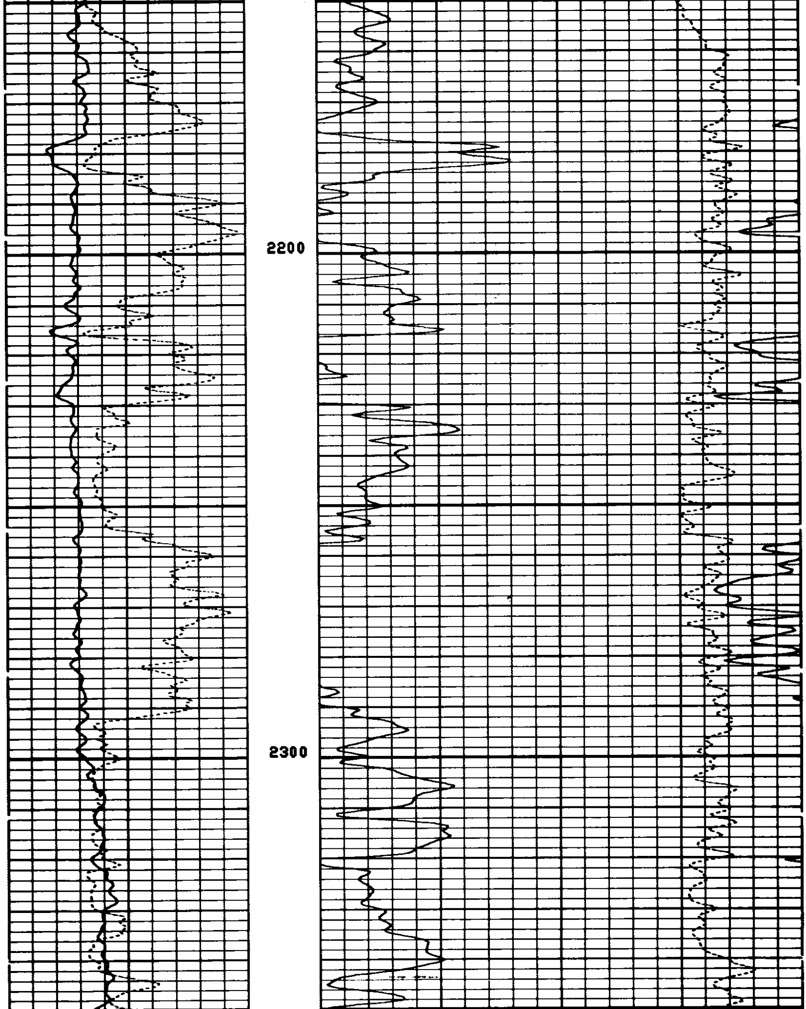


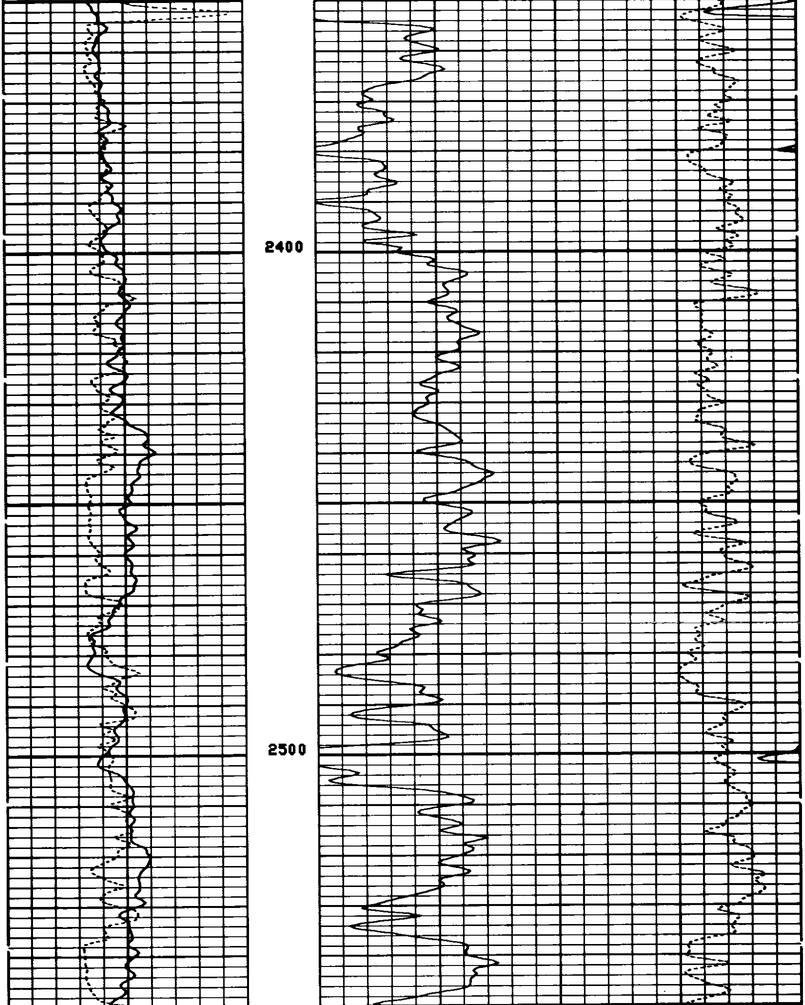


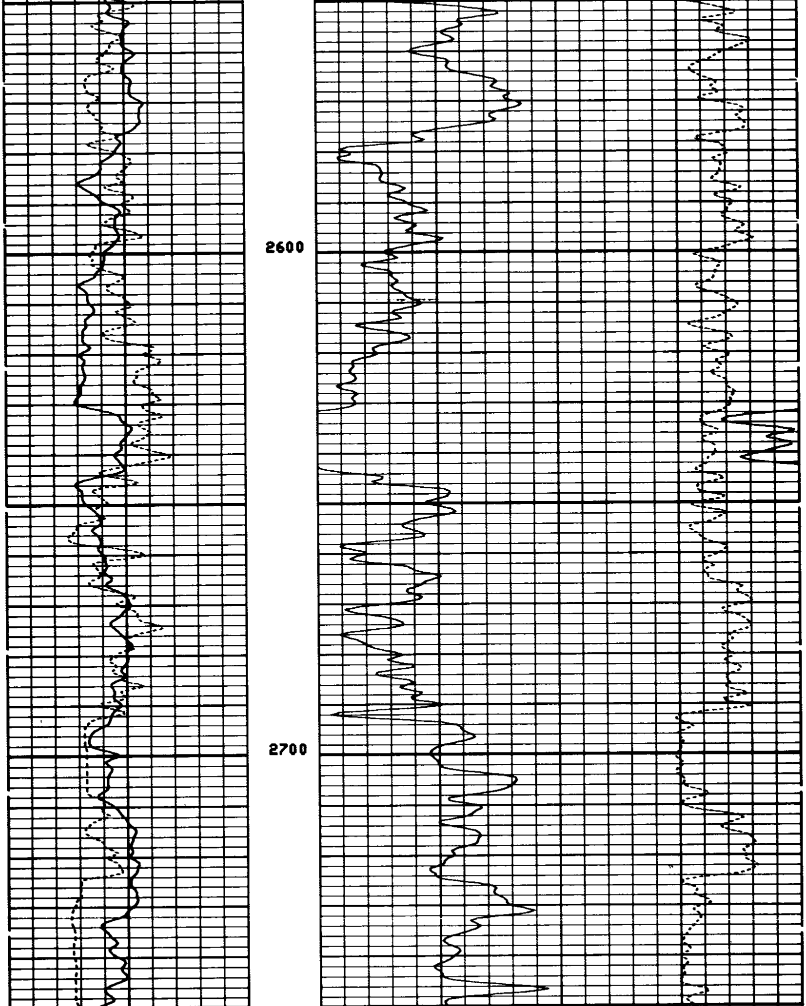


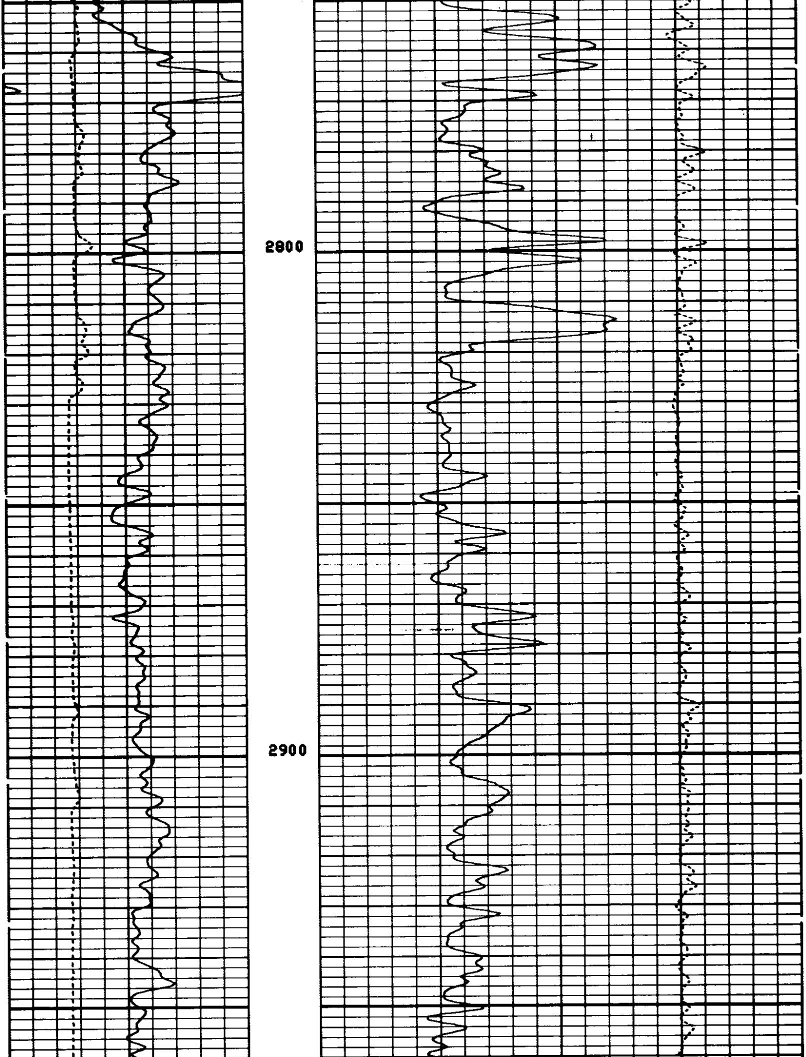


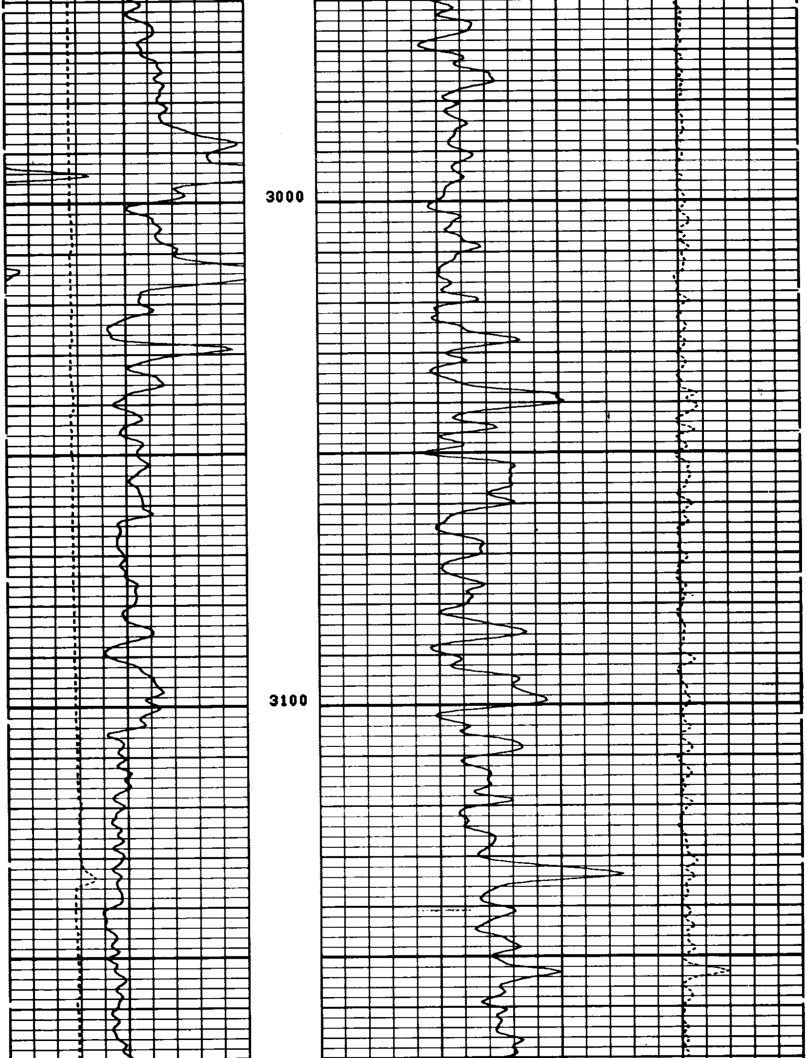


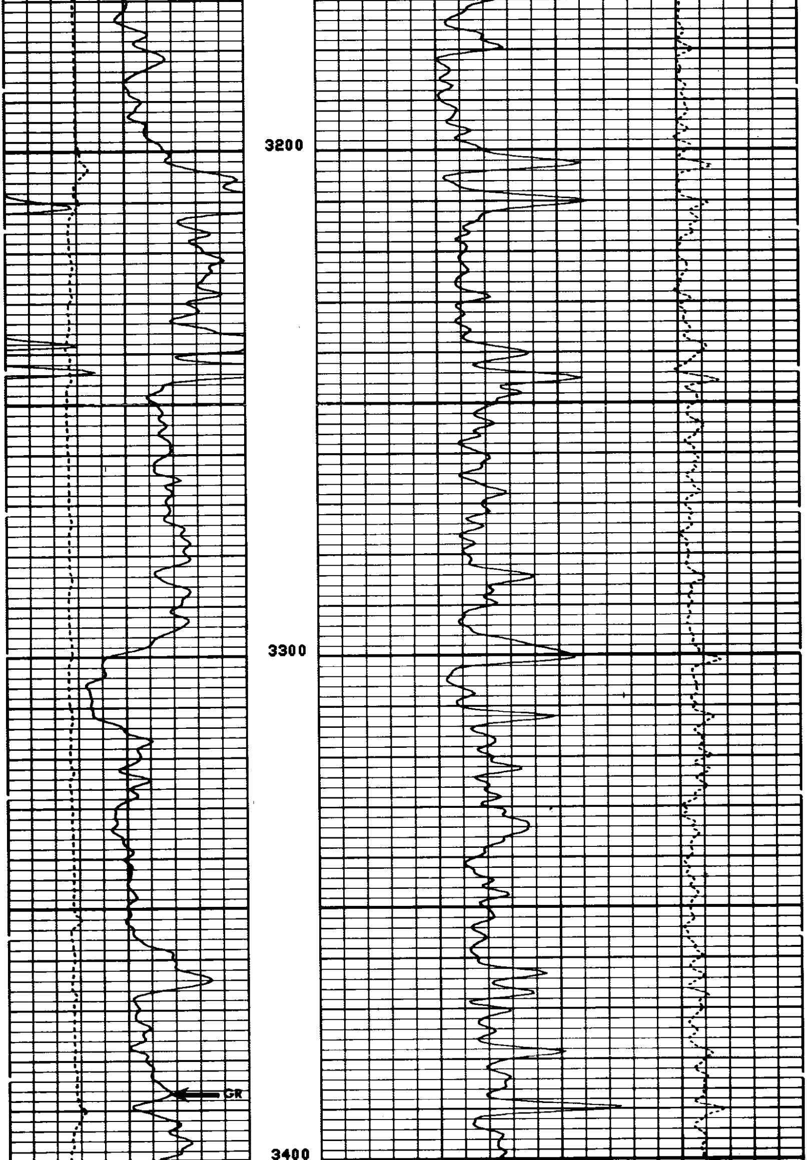


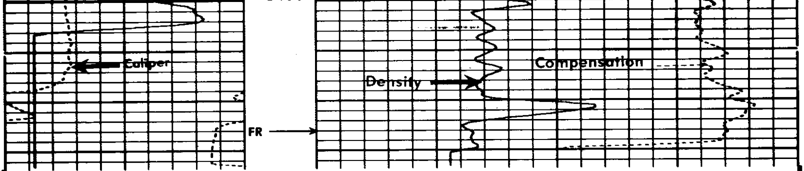












FILE 18 10-JUL-85 18:27

CALI(IN)			DRHO(G/C3)	
6.0000	16.000		-.2500	.25000
GR (GAPI)			RHOB(G/C3)	
0.0	150.00		2.0000	3.0000

SENSOR MEASURE POINT TO TOOL ZERO

NCNL	18.0	FEET	GR	26.5	FEET
FFDC	2.7	FEET	FCNL	18.0	FEET
CALI	2.7	FEET	NFDC	2.7	FEET
NRAT	18.0	FEET	TENS	-.2	FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
HC	CALI		PSNR	2.33700	
FD	1.00000	G/C3	MATR	SAND	
FDCC	ALLO		MDEN	2.65000	G/C3
FPHI	PHIX		BHF	WATE	
BS	8.75000	IN	BHS	OPEN	