CC 41-06-55

Schlumberger

5" BHC SONIC

CSU

COMPANY: ARCO EXPLORATION AND TECHNOLOGY COMPANY
WELL: "COLUMBIA COUNTY" #41-6

RECEIVED - PTLD
APR 1 1986
DEPT. OF GEOLOGY

FIELD: MIST GAS
COUNTY: COLUMBIA
STATE: OREGON
NATION: U.S.A.
LOCATION: S87D14M54SW 306.15' S2D45M
6SE 49.13' FR NE COR
SEC: 6 TWP: 5N RGE: 5W

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 815.3 F
LOG MEASURED FROM: KB
12.0 F ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 827.3 F
DF: 826.3 F
GL: 815.3 F

DATE: 21 JAN 86
RUN NO: 1

DEPTH-DRILLER: 2750.0 F
DEPTH-LOGGER: 2740.0 F
BTM. LOG INTERVAL: 2698.0 F
TOP LOG INTERVAL: 453.0 F

CASING-DRILLER: 454 F
CASING-LOGGER: 453 F
CASING: 9 5/8"

BIT SIZE: 8 3/4"
DEPTH: 2750 F

OTHER SERVICES-
DIL
LDT-CNL-GR
HDT
CST
VSP

PROGRAM
TAPE NO:
26.2
SERVICE
ORDER NO:
432117

TYPE FLUID IN HOLE: GEL/POLYMER
DENSITY: 10.3 LB/G
VISCOSITY: 47.0 S
PH: 9.5
FLUID LOSS: 5.0 C3
SOURCE OF SAMPLE: FLOWLINE
RM: 2.870 OHMM AT 66.0 DEGF
RMF: 3.040 OHMM AT 42.0 DEGF
RMC: 3.340 OHMM AT 42.0 DEGF
SOURCE RMF/RMC: MEASURED/MEASURED
RM AT BHT: 1.806 OHMM AT 109. DEGF
RMF AT BHT: 1.284 OHMM AT 109. DEGF
RMC AT BHT: 1.410 OHMM AT 109. DEGF

TIME CIRC. STOPPED: 18:00 1-21
TIME LOGGER ON BTM.: 22:04 1-21

MAX. REC. TEMP: 109.0 DEGF

LOGGING UNIT NO: 8057
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: PILCH
WITNESSED BY: MCMURRY

REMARKS:

700PPM CHLORIDES.
INDUCTION AND SONIC RUN IN COMBINATION.
58 DEGREES MAXIMUM DEVIATION.
CME-Z AND STANDOFF USED FOR SONIC CENTRALIZATION.

EQUIPMENT NUMBERS-

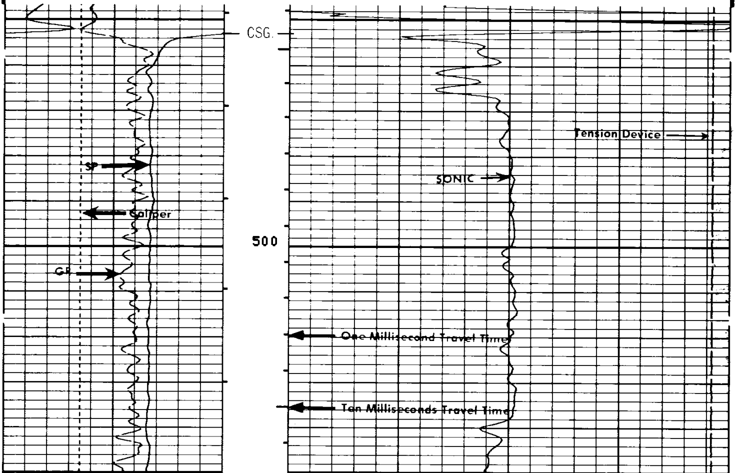
DIS-EC 1422	DIC-DA 1149	MCD-DA 1237	SLS-RC 252
SLC-FA 1321	IEM-BD 162	SLM-DA 443	NLM-BC 202

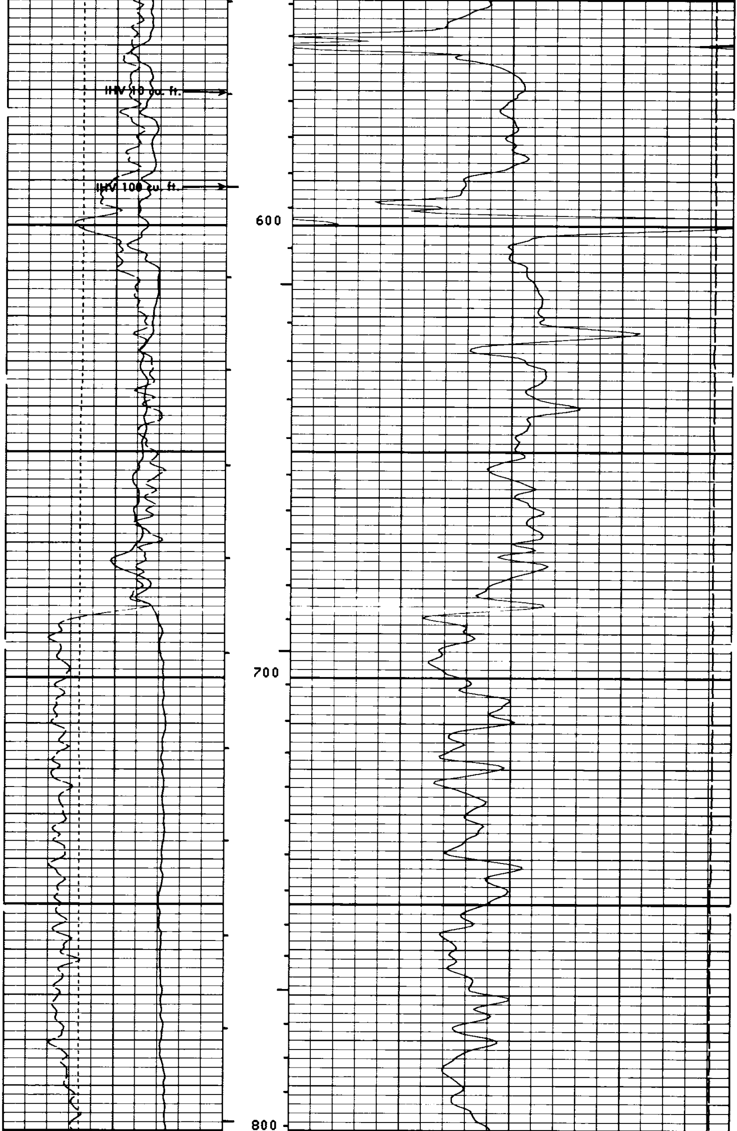
ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS, 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.

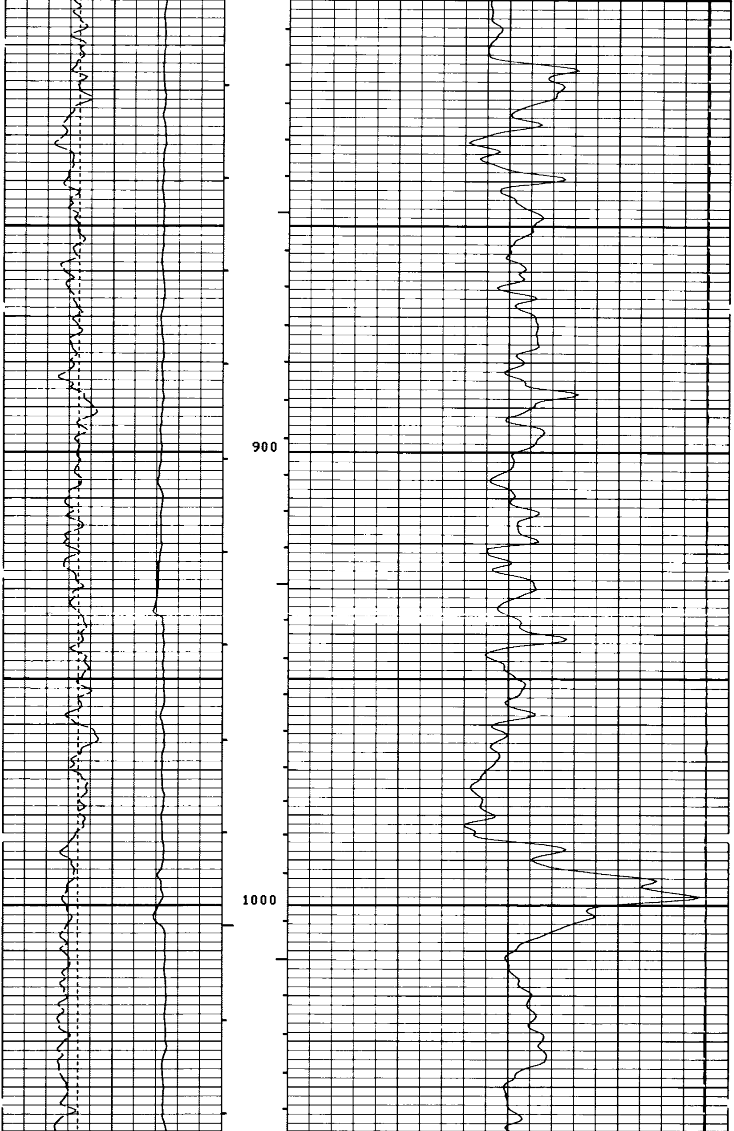
FILE 3 21-JAN-86 23:18
DATA ACQUIRED 21-JAN-86 22:44

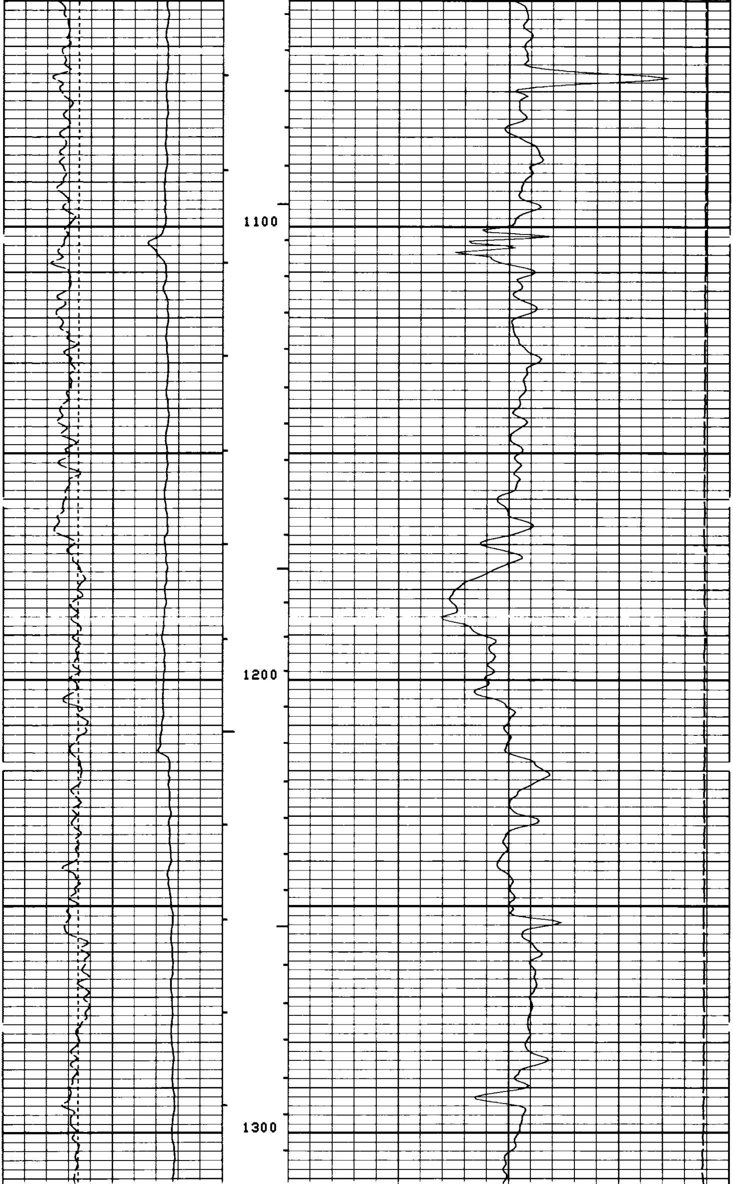
CALI(IN)	6.0000	16.000
GR (GAPI)	0.0	150.00
SP (MV)	-100.0	0.0
TENS(LB)	10000.	0.0
DT (US/F)	175.00	75.000

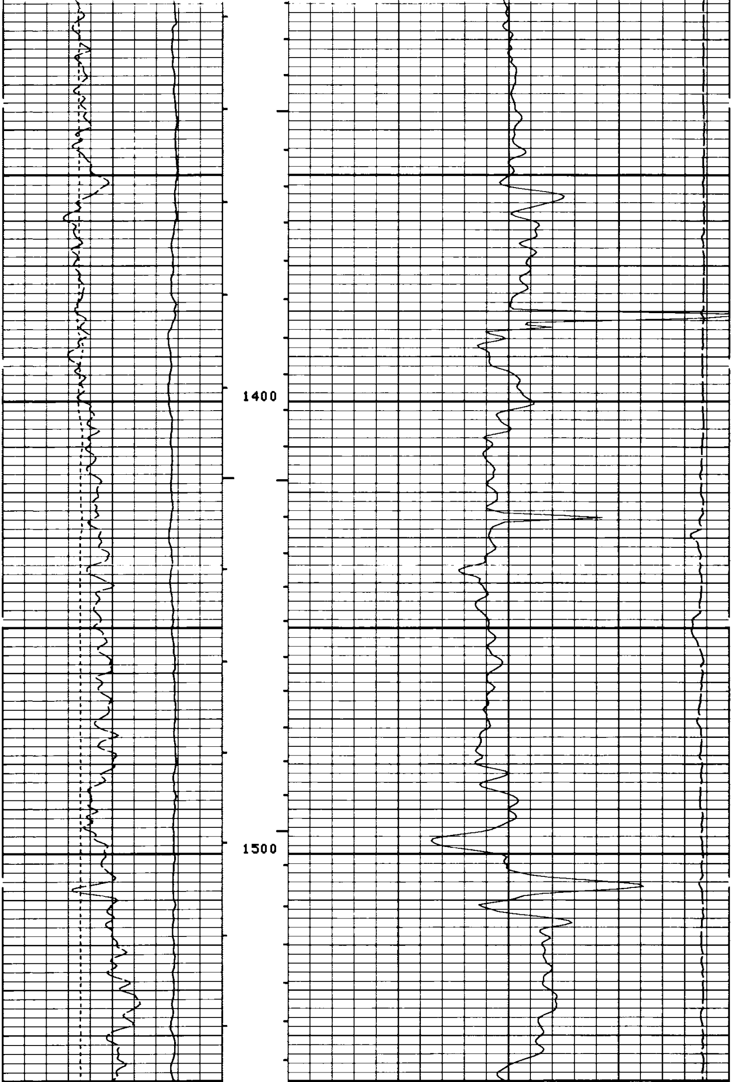
FILE 101 21-JAN-86 23:05
DATA ACQUIRED 21-JAN-86 22:44

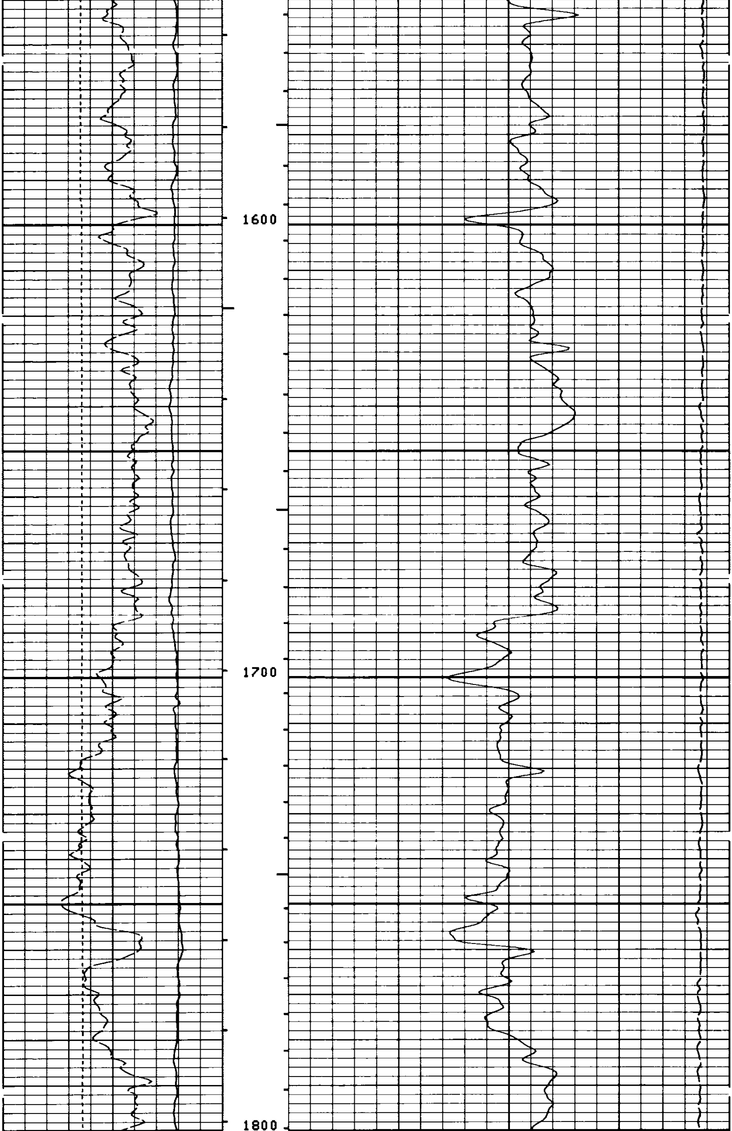


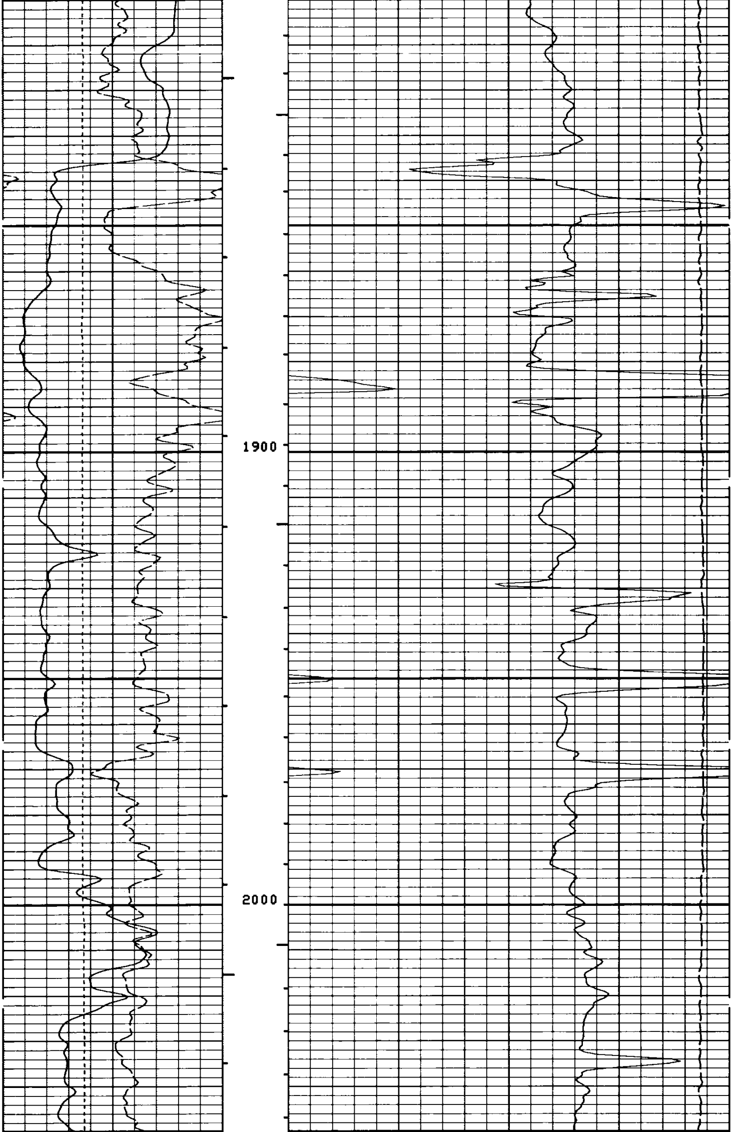


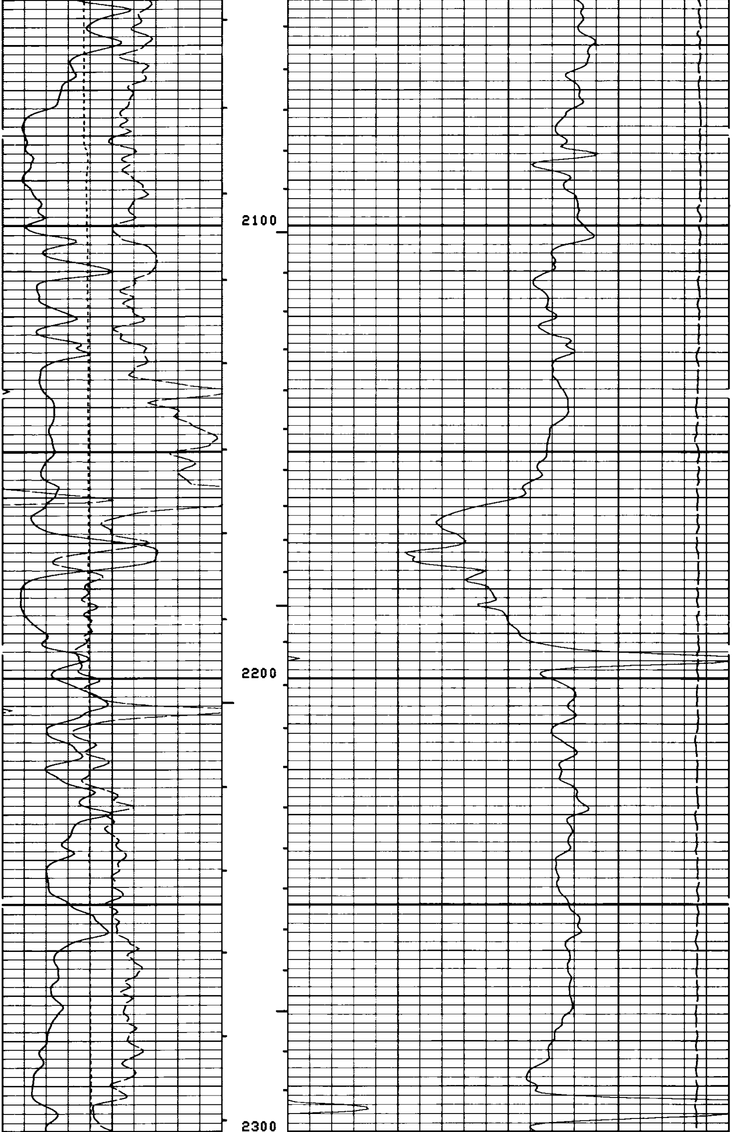


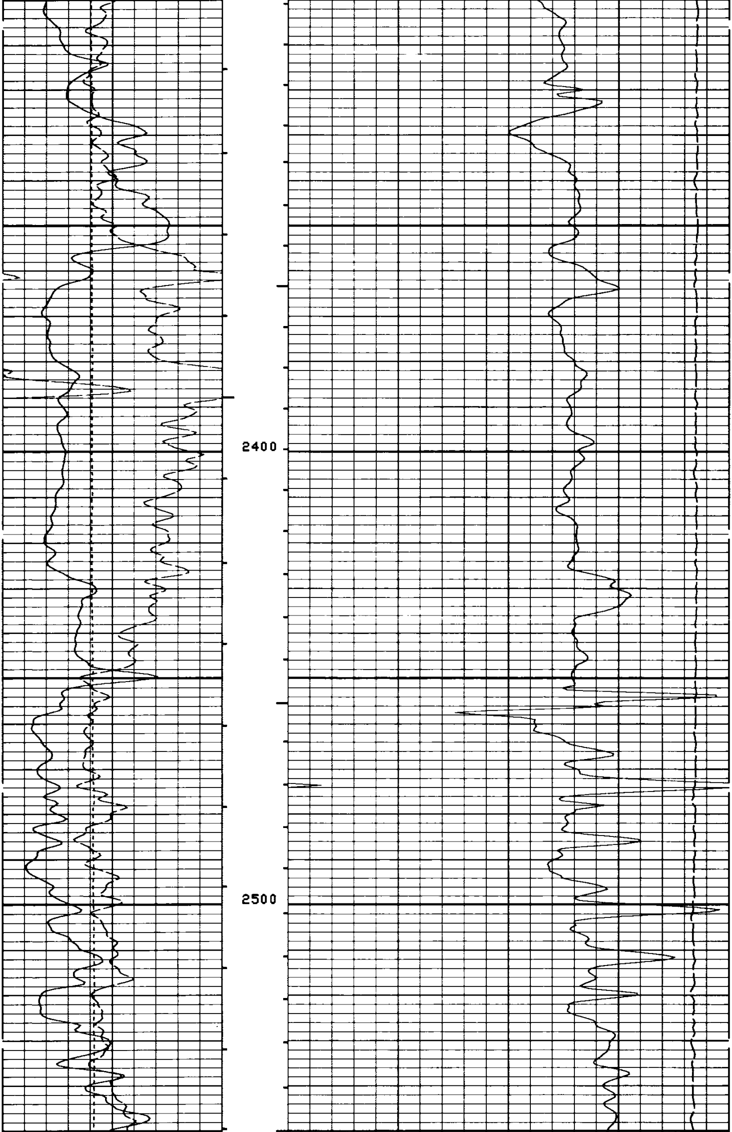


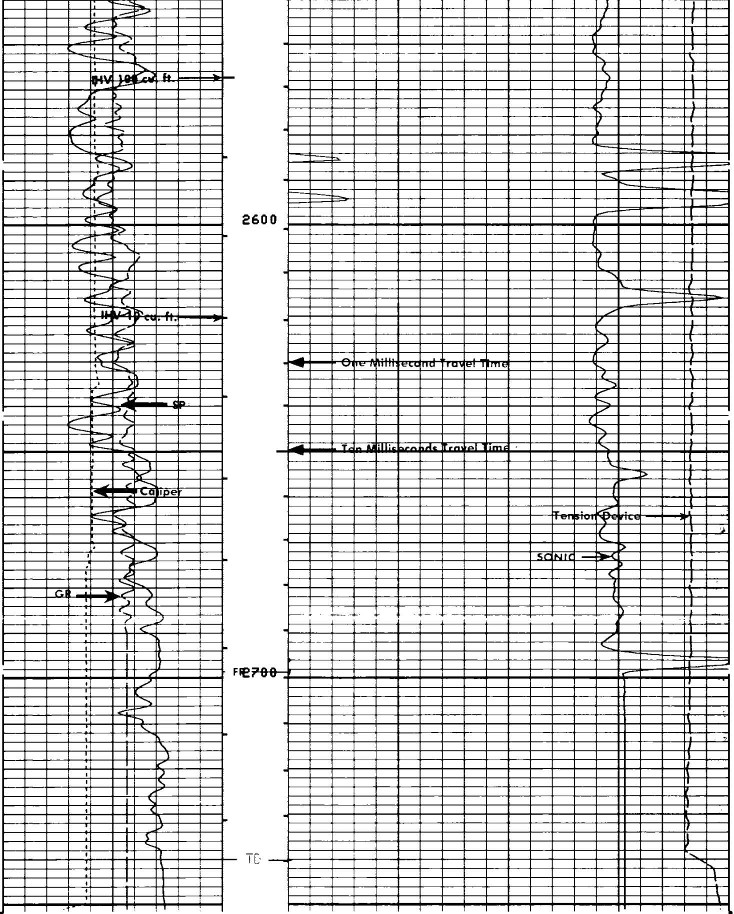












FILE 101 21-JAN-86 23:00
DATA ACQUIRED 21-JAN-86 22:04

CALI(IN)
6.0000 16.000
GR (GAPI)
0.0 150.00
SP (MV)
-100.0 0.0

TENS(LB)
10000. 0.0
DT (US/F)
175.00 75.000

SENSOR MEASURE POINT TO TOOL ZERO

CBL	43.9	FEET	AMPL	43.9	FEET
TT3	40.1	FEET	TT4	39.1	FEET
TT1	42.9	FEET	TT2	43.9	FEET
GR	64.0	FEET	SRAT	41.4	FEET
ILD	9.4	FEET	CALI	31.8	FEET
ILM	5.7	FEET	SFL	6.4	FEET
SPAR	2.5	FEET	SP	2.5	FEET
NOIS	35.6	FEET	TENS	2.5	FEET

PARAMETERS

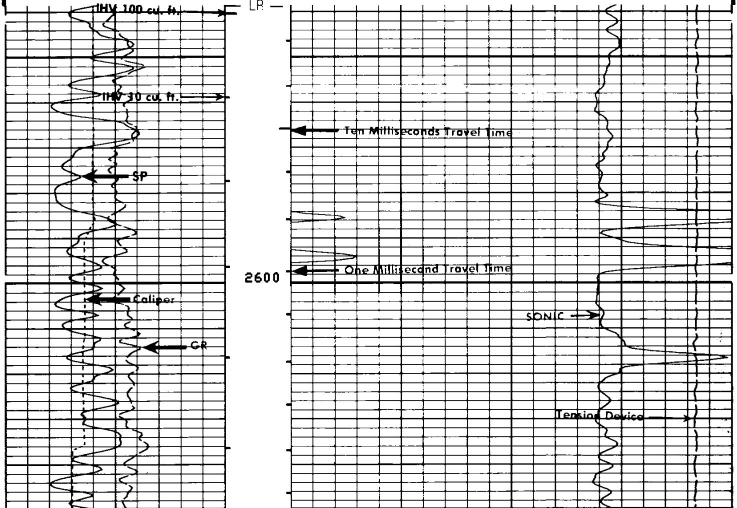
NAME	VALUE	UNIT	NAME	VALUE	UNIT
WSV1	WF1		DWS	16	
DSIN	5	US	DDEL	200	US
CDTS	100.000		DWCO	512	
DTF	189.000	US/F	DTM	56.0000	US/F
SBR	1.00000	OHMM	DSEC	4.10000	MMHO
FPHI	SPHI		MSEC	6.50000	MMHO
BS	8.75000	IN	BHS	OPEN	
PP	NORM		DO	0.0	F

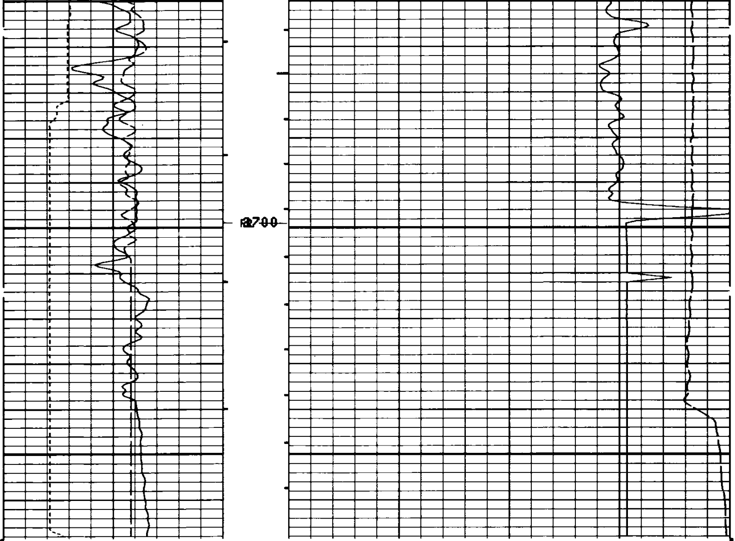
CALI(IN)
6.0000 16.000
GR (GAPI)
0.0 150.00
SP (MV)
-100.0 0.0

TENS(LB)
10000. 0.0
DT (US/F)
175.00 75.000

REPEAT SECTION

FILE 2 21-JAN-86 22:49
DATA ACQUIRED 21-JAN-86 21:58





FILE 2 21-JAN-86 22:49
DATA ACQUIRED 21-JAN-86 21:54

CALI(IN)
6.0000 16.000
GR (GAPI)
0.0 150.00
SP (MV)
-100.0 0.0

TENS(LB)
10000. 0.0
DT (US/F)
175.00 75.000

SENSOR MEASURE POINT TO TOOL ZERO

CBL	43.9	FEET	AMPL	43.9	FEET
TT3	40.1	FEET	TT4	39.1	FEET
TT1	42.9	FEET	TT2	43.9	FEET
GR	64.0	FEET	SRAT	41.4	FEET
ILD	9.4	FEET	CALI	31.8	FEET
ILM	5.7	FEET	SFL	6.4	FEET
SPAR	2.5	FEET	SP	2.5	FEET
NDIS	35.6	FEET	TENS	2.5	FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
WSV1	WF1		DWS	16	
DSIN	5	US	DDEL	200	US
CDTS	100.000		DWCO	512	
DTF	189.000	US/F	DTM	56.0000	US/F
SBR	1.00000	OHMM	DSEC	4.10000	MMHO
FPHI	SPHI		MSEC	6.50000	MMHO
BS	8.75000	IN	BHS	OPEN	
PP	NORM		DO	0.0	F

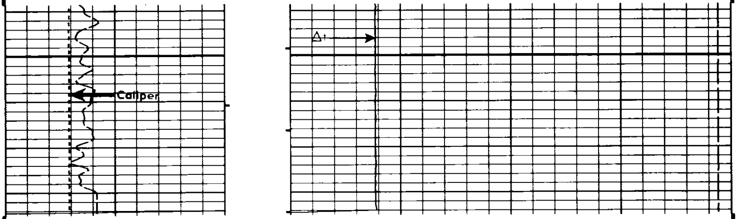
TAPE NOT MADE

CALI(IN)
6.0000 16.000
GR (GAPI)
0.0 150.00
SP (MV)
-100.0 0.0

TENS(LB)
10000. 0.0
DT (US/F)
175.00 75.000

Sonic Check in Casing

FILE 101 21-JAN-86 21:28



FILE 101 21-JAN-86 21:28

CALI(IN)
6.0000 16.000
GR (GAPI)
0.0 150.00
SP (MV)
-100.0 0.0

TENS(LB)
10000. 0.0
DT (US/F)
175.00 75.000

-end-