ATLAS WIRELINE SERVICES

ACOUSTIC CEMENT BOND LOG

VDL NEUTRON

FILE NO.

API NO.

5" = 100'

COMPANY	OREGON NATURAL GAS CORP.
WELL	IW 22D-10
FIELD	MIST
COUNTY	COLUMBIA STATE OR.

LOCATION:
285' N. & 2516' E. OF W/4 CORNER

SEC 10 TWP 6N RGE 5W

OTHER SERVICES
VERTILOG

PERMANENT DATUM GL ELEV. 787.3'
LOGGING MEASURED FROM KB 11.5' FT. ABOVE P.D.
DRILLING MEASURED FROM KB

ELEVATIONS
KB 798.8'
DF
GL 787.3'

DATE	8 25 88		
RUN	1		
SERVICE ORDER	159043		
DEPTH-DRILLER	2100		
DEPTH-LOGGER	2096'		
BOTTOM LOGGED INTERVAL	2092'		
TOP LOGGED INTERVAL	450'		
TYPE FLUID IN HOLE	WATER		
SALINITY PPM CL.	--		
DENSITY LB/GAL.	--		
LEVEL	FULL		
MAX. REC. TEMP. DEG. F	108 DEG. F		
OPR. RIG TIME	2 HRS		
EQUIP. NO. / LOC.	6406	SACRAMENTO	
RECORDED BY	M. HINDS		
WITNESSED BY	MR. THOMAS		

CONFIDENTIAL/FINAL

BOREHOLE RECORD

NO.	BIT	FROM	TO

FOLD HERE

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT, BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASURMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

Western Atlas International
A Litton/Dresser Company

ATLAS WIRELINE SERVICES

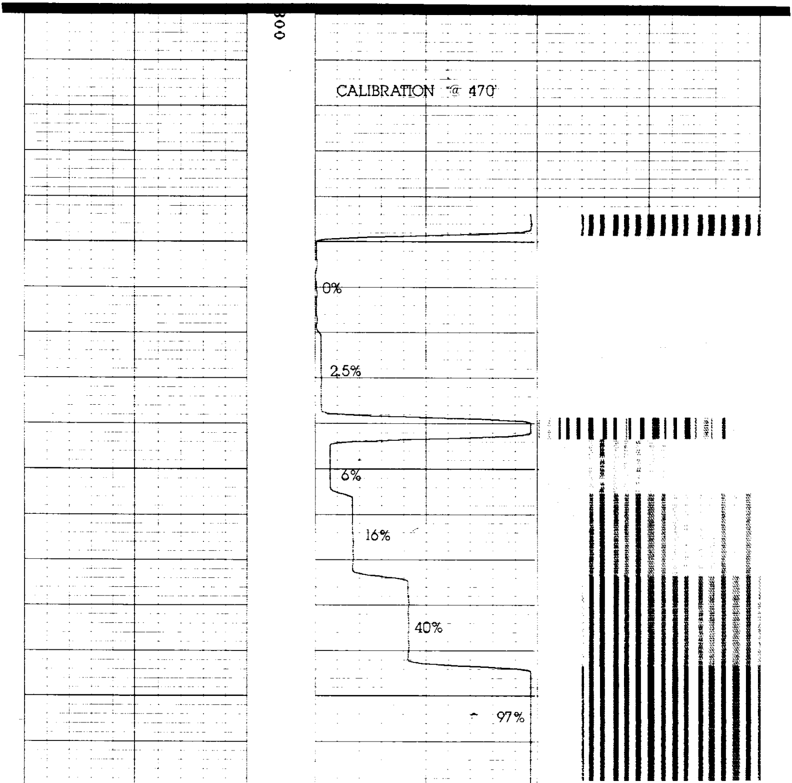
CASING RECORD

SIZE	WGT	FROM	TO
13 3/8"	?	SURF.	452'
8 5/8"	32	SURF.	2100' K55

REMARKS RUN (1)

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION
1	1	VRT	50001	2707	CENT.
1	1	CBL	72822	1417	CENT.
1	1	CCL	?	2318	CENT.
1	1	NEU	74450	2402	CENT.

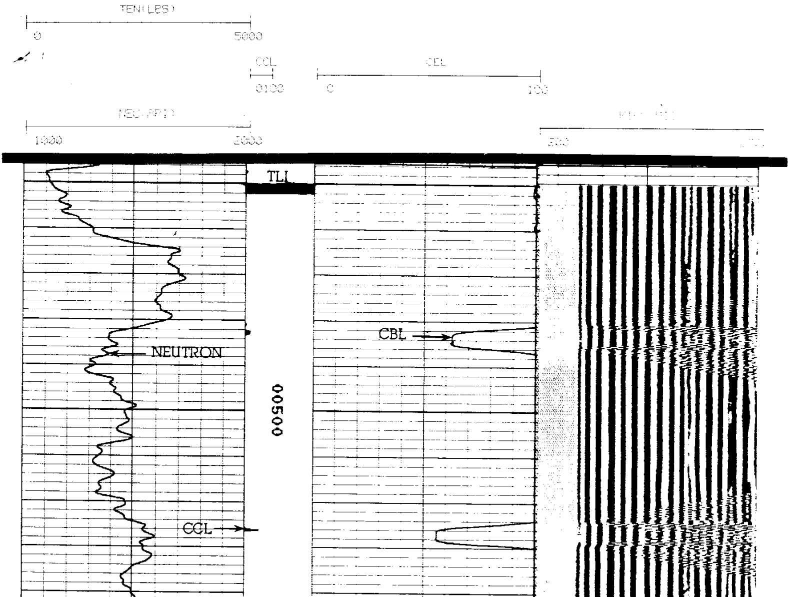


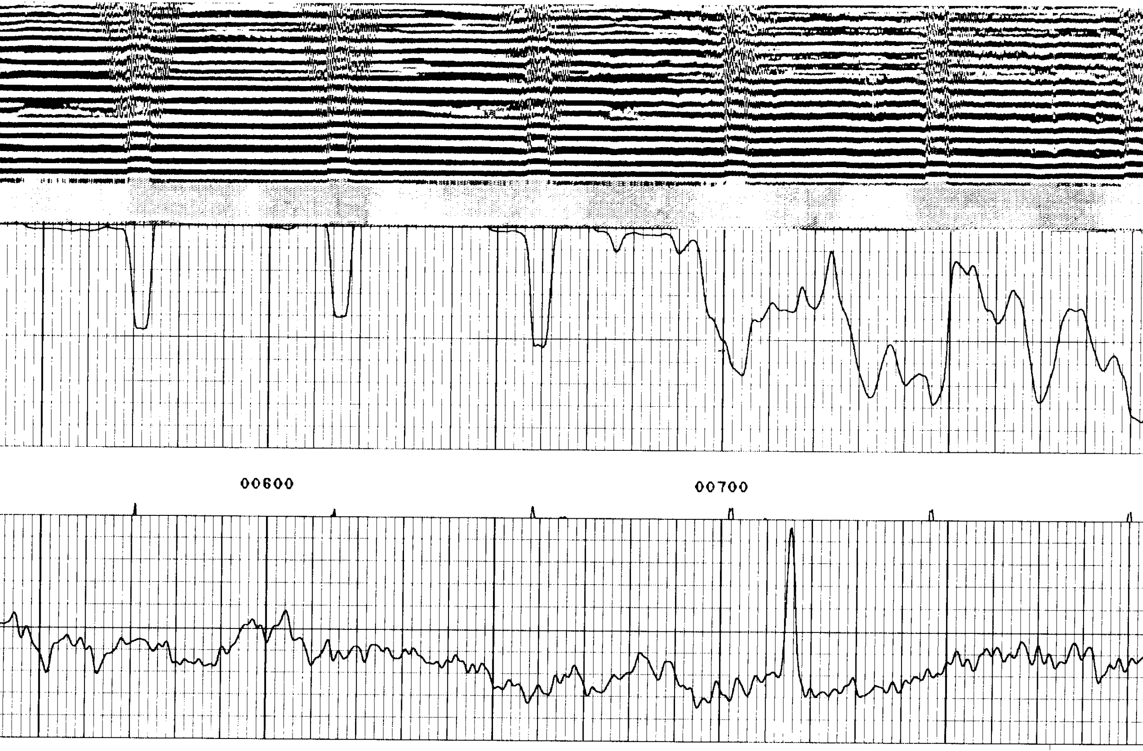
COMPANY: OREGON NATURAL GAS CORP.　　RUN: 1

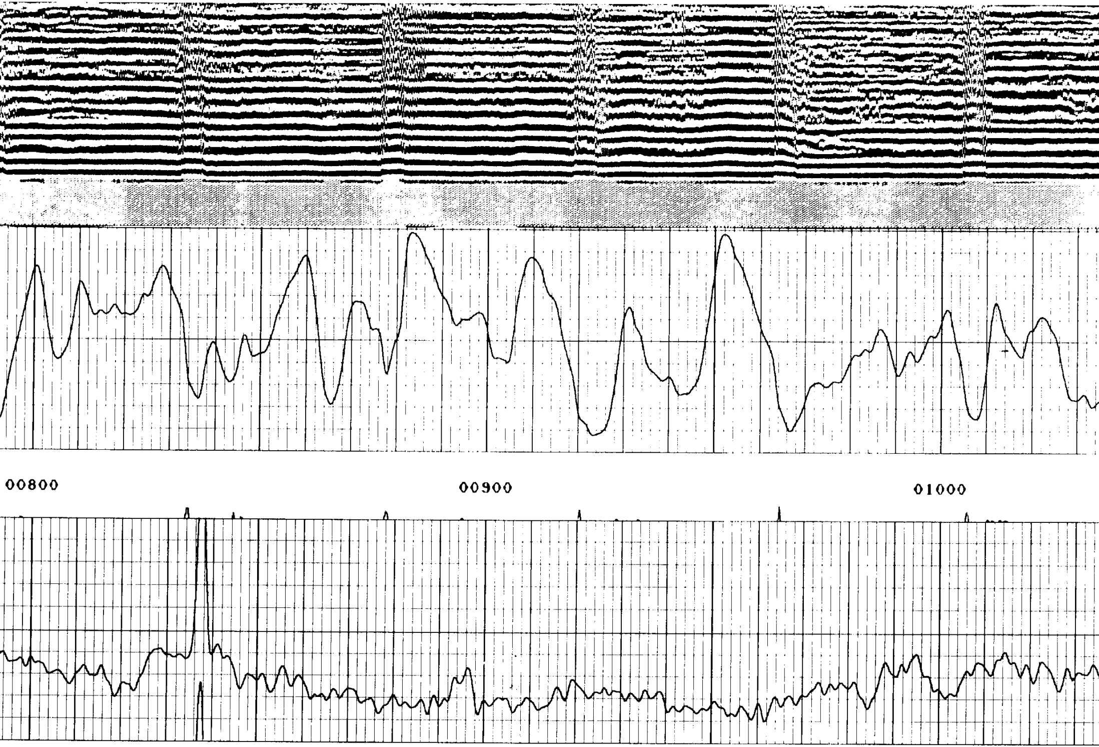
WELL NAME: IW 32C-17　　TRIP: 1

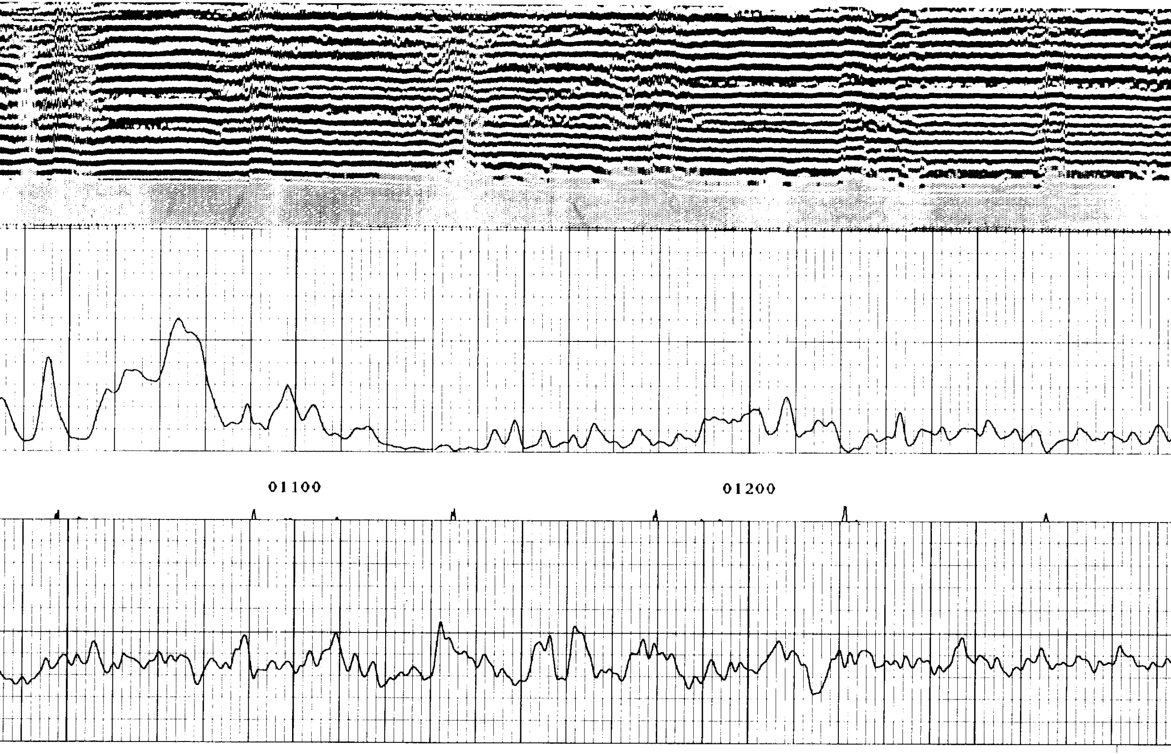
SERVICE: KC343M　　FILE: 1　　DATE: 7 25 11　　TIME: [illegible]

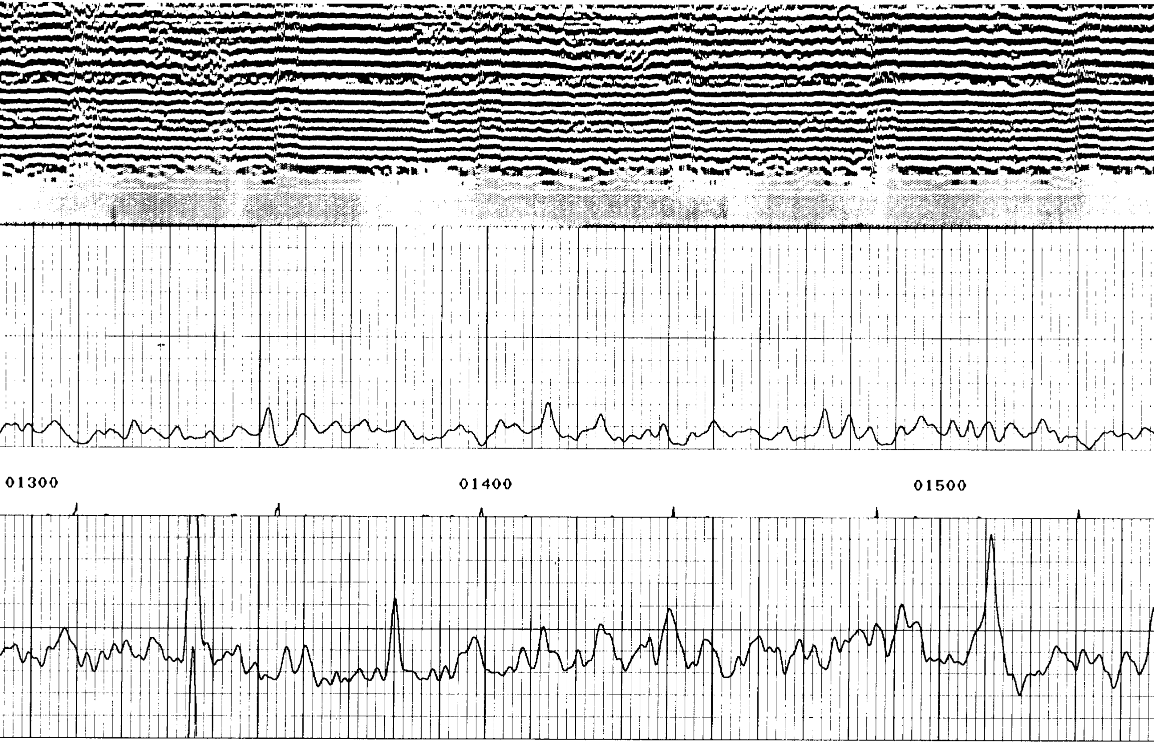
REVISION: FSYSAL REV 0505 VER 2　　MODE: [illegible]

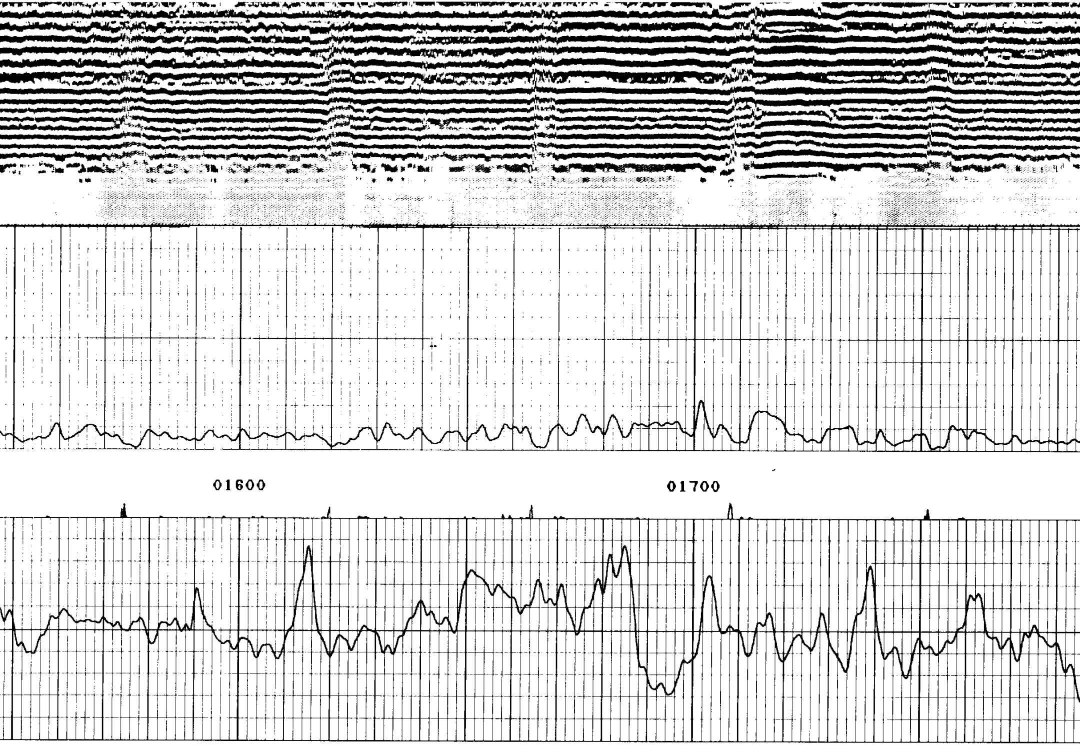


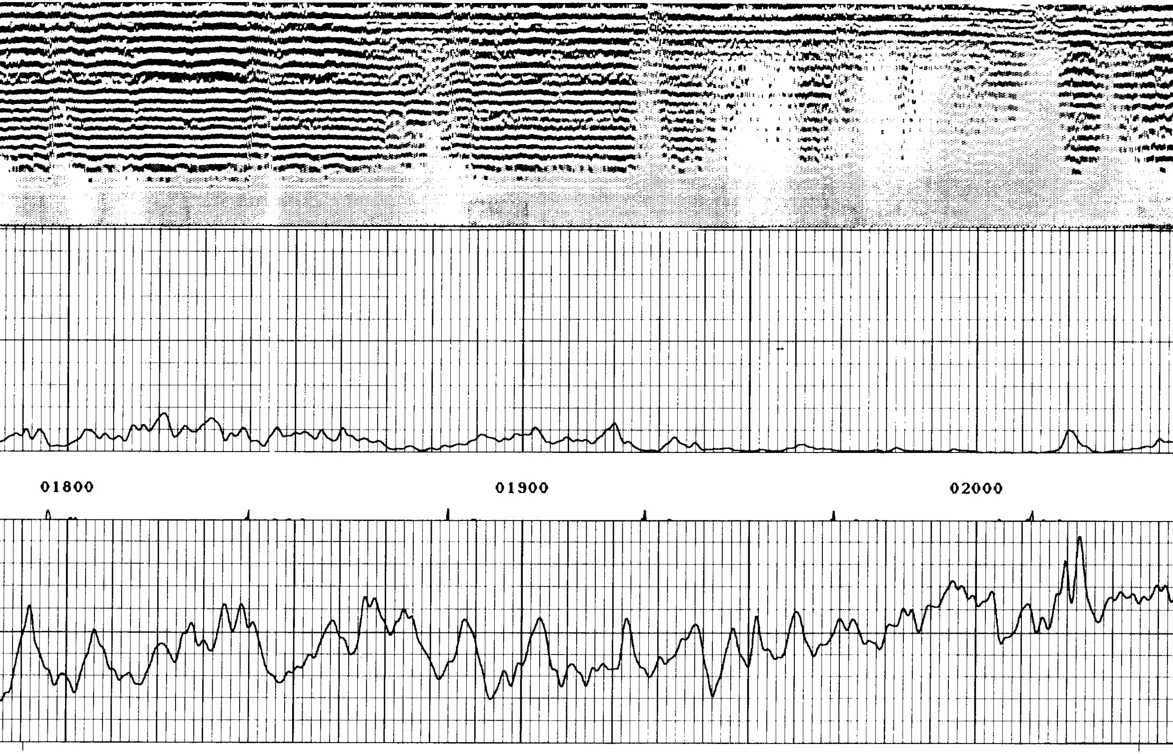


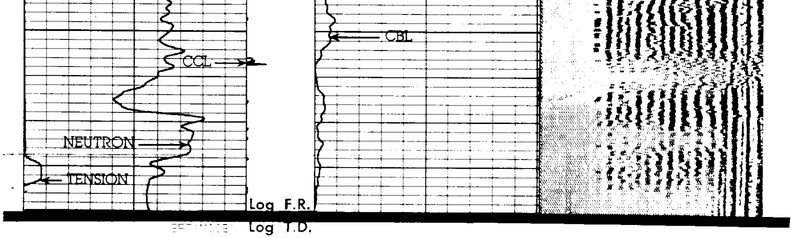












[illegible]
400 350

TEN(LBS)
0 5000

CCL
0100

CBL
0 100

NEU API
1000 2000

[illegible]
300 [illegible]

COMPANY: OREGON NATURAL GAS CORP.
RUN: 1
WELL NAME: IW 22D-10
TRIP: 1
SERVICE: KC342M FILE: 5
DATE: 08/25/88
TIME: 09:18:48

REPEAT SECTION

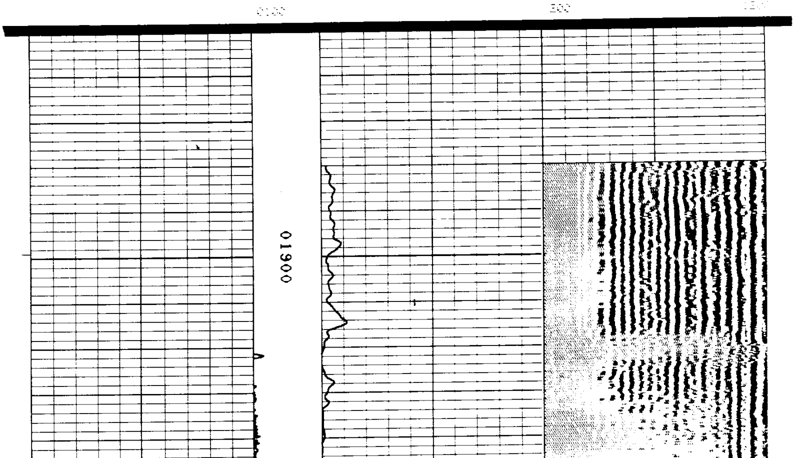
REVISION: FSYSAL REV D007 VER 7
MODE: RECORD

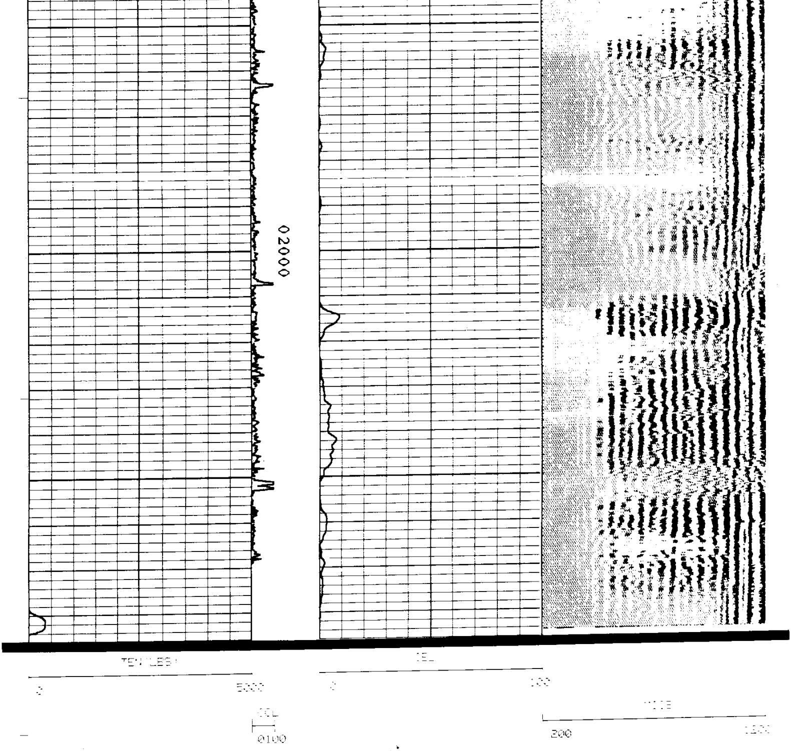
TEN(LBS)
0 5000

CBL(%)
0 100

CCL
0100

[illegible]
300 [illegible]





CURVE DELAYS

CURVE	DELAY	UNITS
NEU	32.0	FT,IN
CCL	15,6	FT,IN
SRT	0	FT,IN
MICS	0	FT,IN
CBL	0	FT,IN