ATLAS WIRELINE SERVICES

DUAL INDUCTION FOCUSED LOG

FILE NO.

API NO.

5" = 100'

COMPANY OREGON NATURAL GAS CORP.
WELL 43B - 10
FIELD MIST
COUNTY COLUMBIA STATE OR.

LOCATION:
2035' N. & 802' W. OF SE CORNER.

SEC 10 TWP 6N RGE 5W

OTHER SERVICES
BHC-AC/SP
COL/CN/GR
DIPLOG
PRODIP

PERMANENT DATUM GL ELEV. 728.11
LOGGING MEASURED FROM KB 11.4' FT. ABOVE P.D.
DRILLING MEASURED FROM KB

ELEVATIONS
KB 739.51'
DF
GL 728.11

RECEIVED
OCT 26 1988
DOGAMI
Portland

DATE	9-18-88				
RUN	1				
SERVICE ORDER	159024				
DEPTH-DRILLER	2616'				
DEPTH-LOGGER	2610'				
BOTTOM LOGGED INTERVAL	2608'				
TOP LOGGED INTERVAL	506'				
CASING - DRILLER	8 5/8"	@ 508'	@	@	@
CASING - LOGGER	506'				
BIT SIZE	7 7/8"				
TYPE FLUID IN HOLE	GEL/DRISPAC				
DENSITY / VISCOSITY	10.1	42			
PH / FLUID LOSS	8.95	5.8			
SOURCE OF SAMPLE	FLOWLINE				
RM AT MEAS. TEMP.	1.50	@ 80 DEG. F	@	@	@
RMF AT MEAS. TEMP.	1.15	@ 70 DEG. F	@	@	@
RMC AT MEAS. TEMP.	1.86	@ 70 DEG. F	@	@	@
SOURCE OF RMF / RMC	M	M			
RM AT BHT	1.14	@ 105 DEG. F	@	@	@
TIME SINCE CIRCULATION	2 HRS				
MAX. REC. TEMP. DEG. F	105 DEG. F				
EQUIP. NO. / LOC.	6398	BAK.			
RECORDED BY	M. HINDS				
WITNESSED BY	MR. THOMAS				

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.

ATLAS WIRELINE SERVICES

Western Atlas International
A Litton/Dresser Company

REMARKS RUN (1)

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION
1	1	DIFL	33304	1503	1.5 SO
1	1	GR			

CURVE DELAYS

CURVE	DELAY	UNITS
IFDC	0	FT.IN
CILM	6.9	FT.IN
CILD	9.3	FT.IN
SP	9.3	FT.IN
GR	23.6	FT.IN

PARAMETERS

NAME	DEPTH INTERVAL	VALUE	UNITS
RW	2818 TO 502	5.473	OHMM

DISPLAY SCALE CHANGES

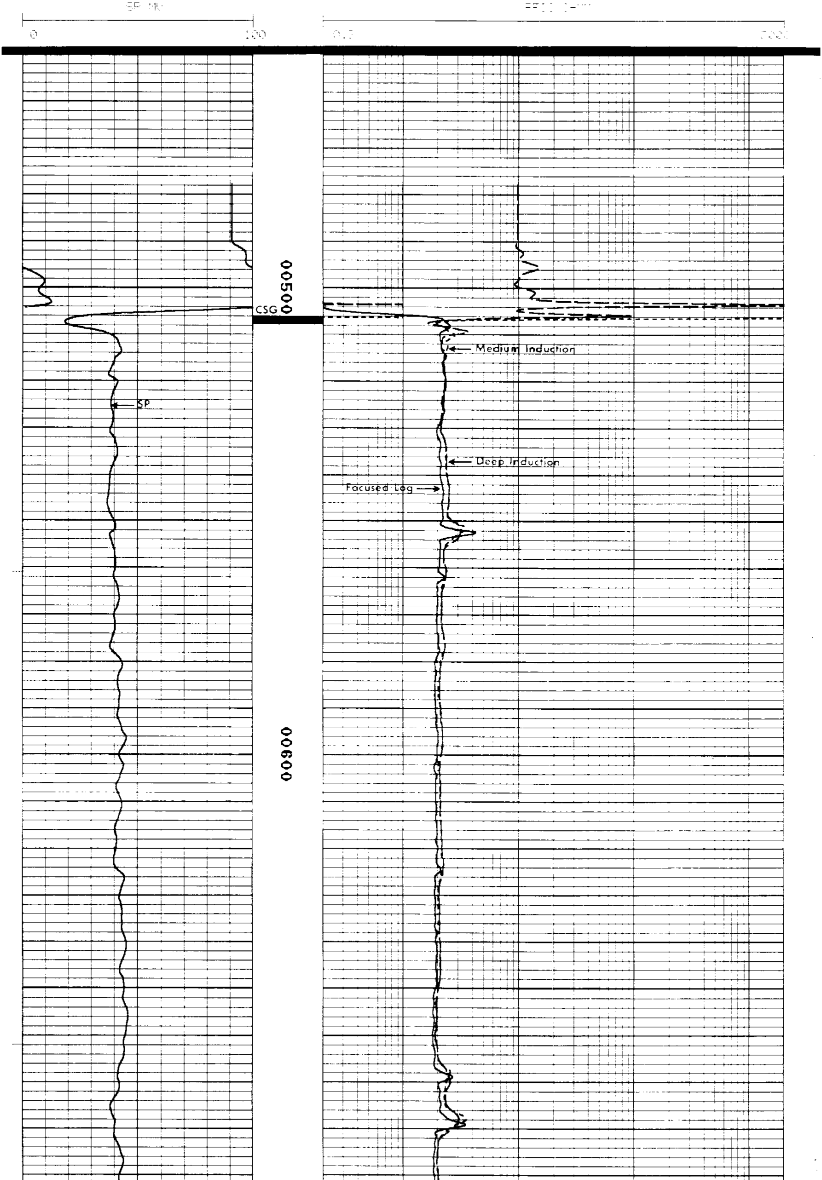
*** NONE ***

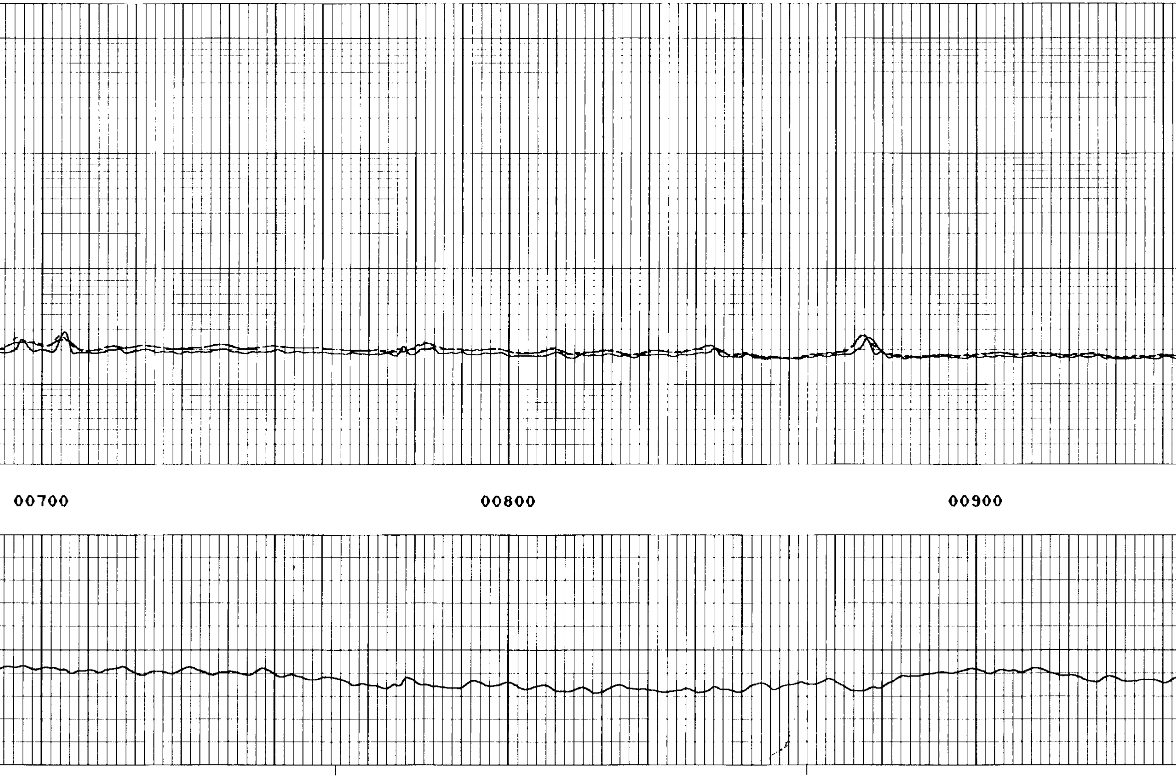
COMPANY: OREGON NATURAL GAS CORP.
RUN: 1
WELL NAME: 43B - 10
TRIP: 1
SERVICE: KC211L FILE: 3 DATE: 08-18-88 TIME: 13:34:10
REVISION: FS/SAL REV G808 VER+2
MODE: RECORD

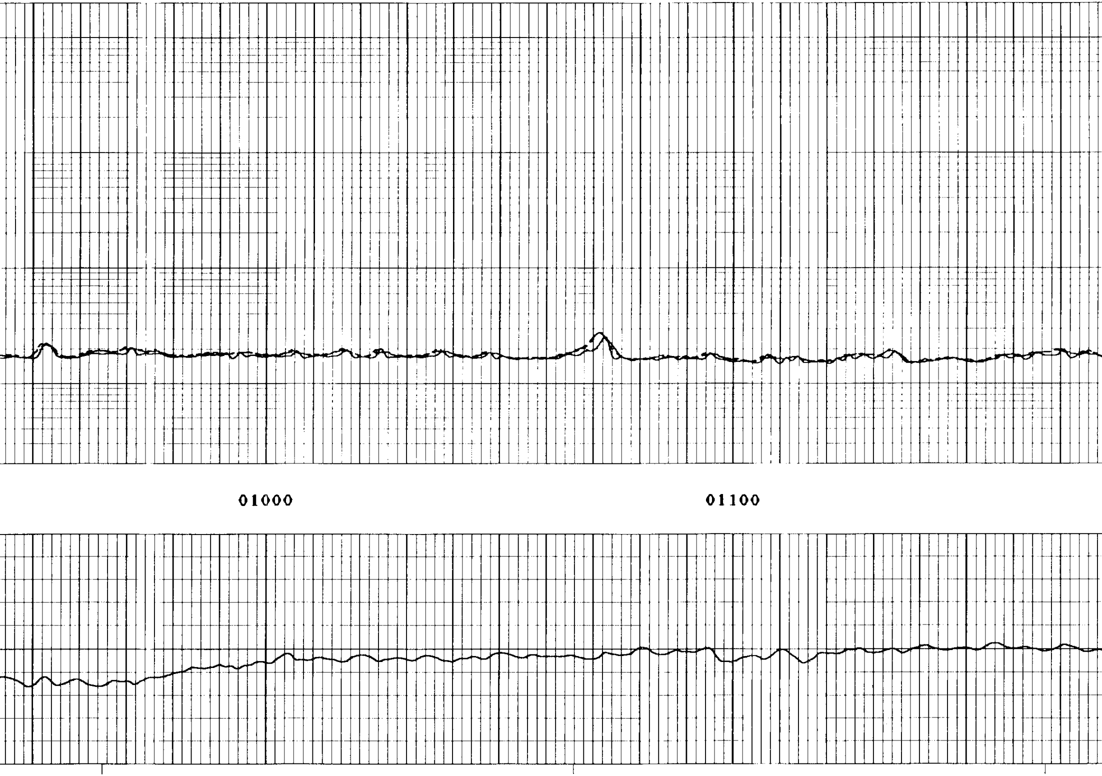
RILD(OHMM)
0.2 2000

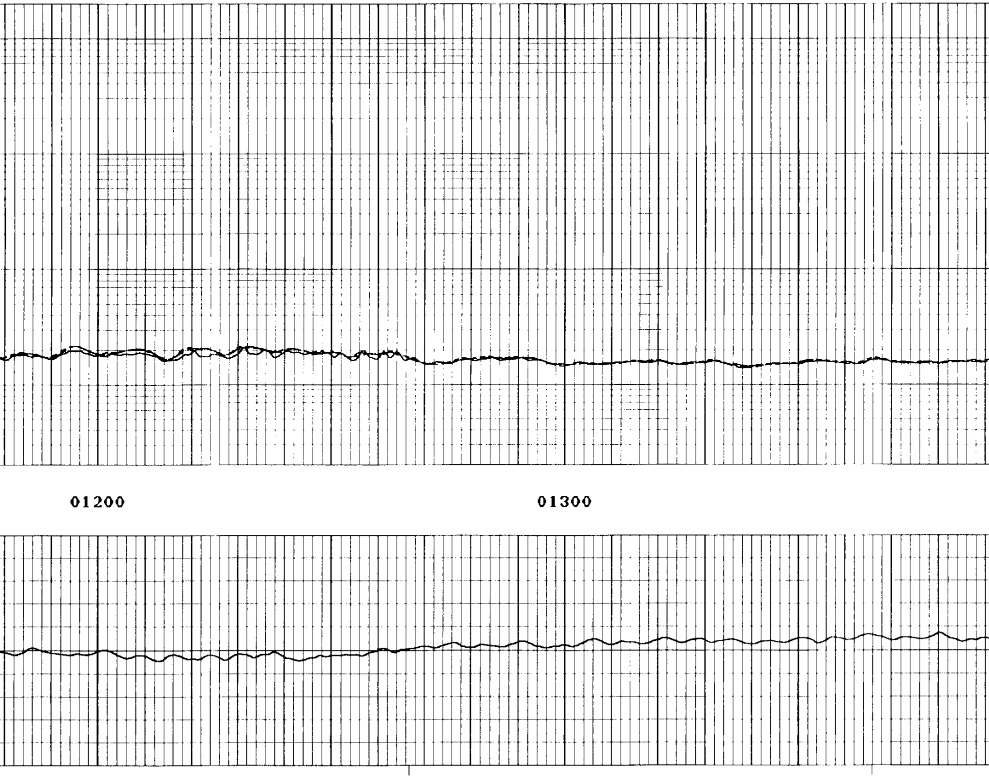
TEN(LBS)
5000 0

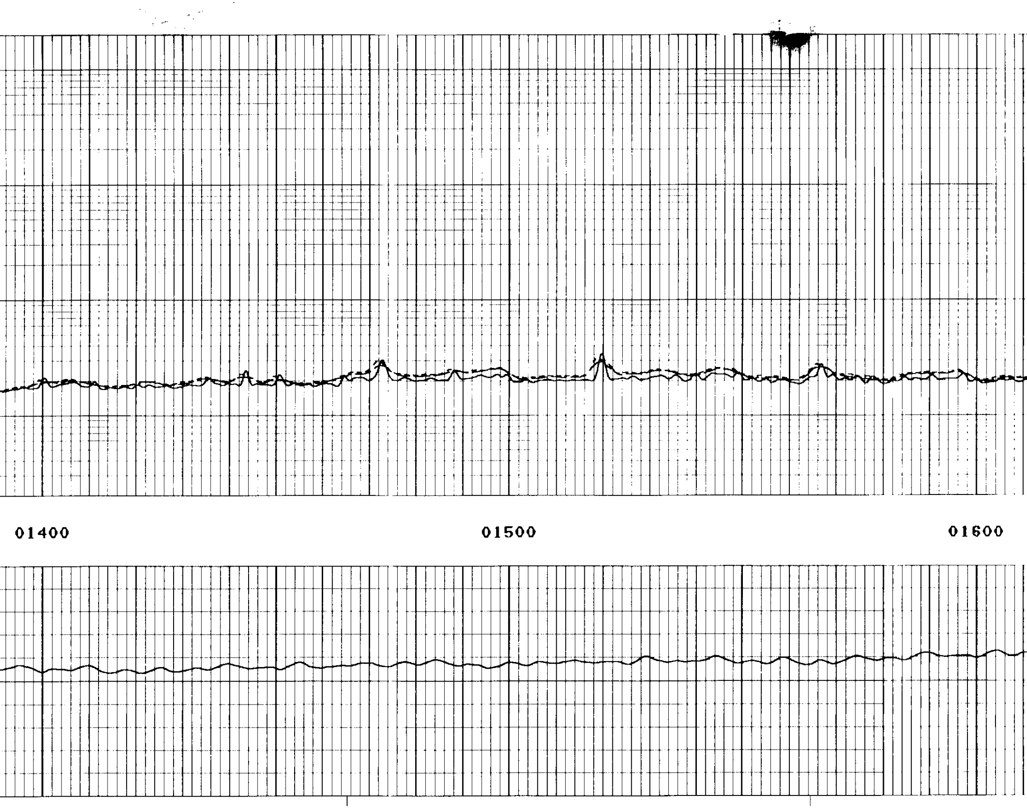
RILM(OHMM)
0.2 2000

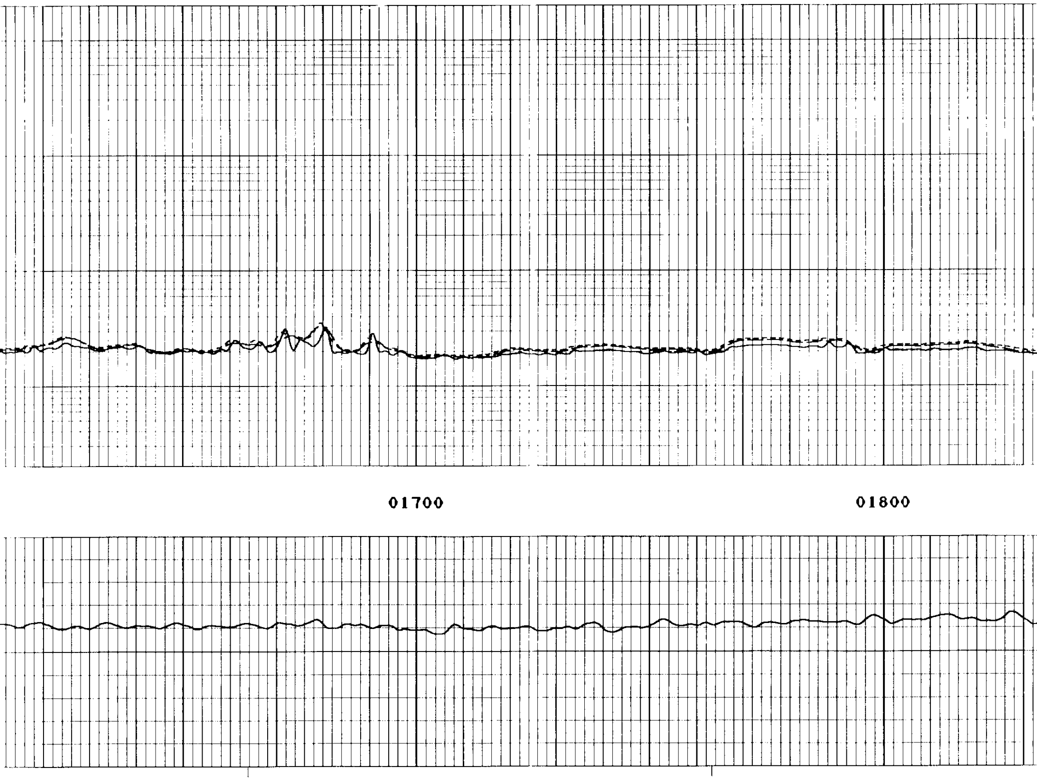


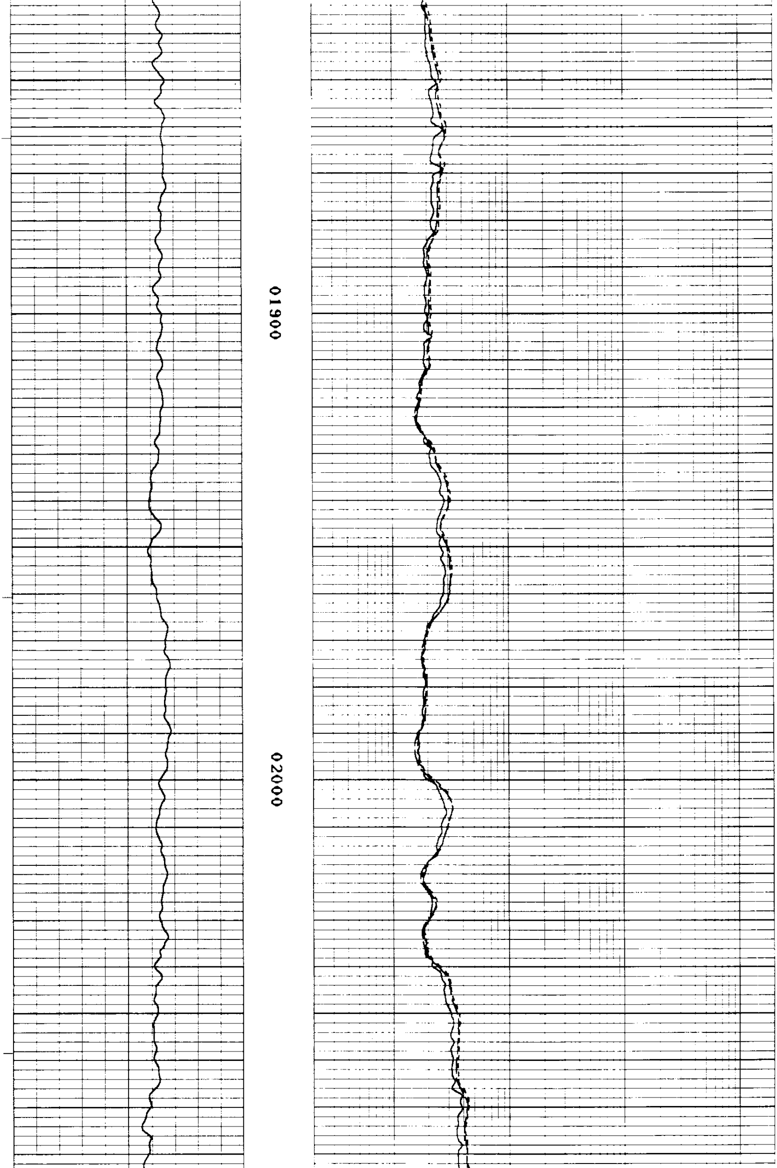


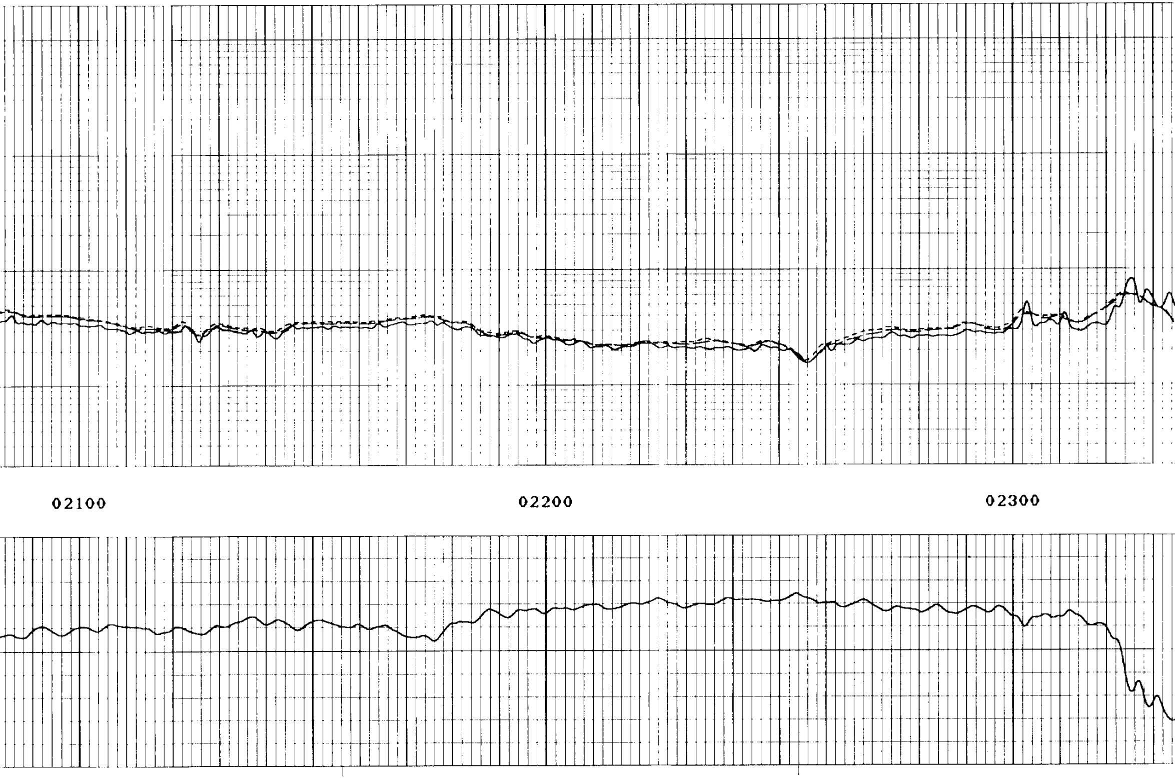


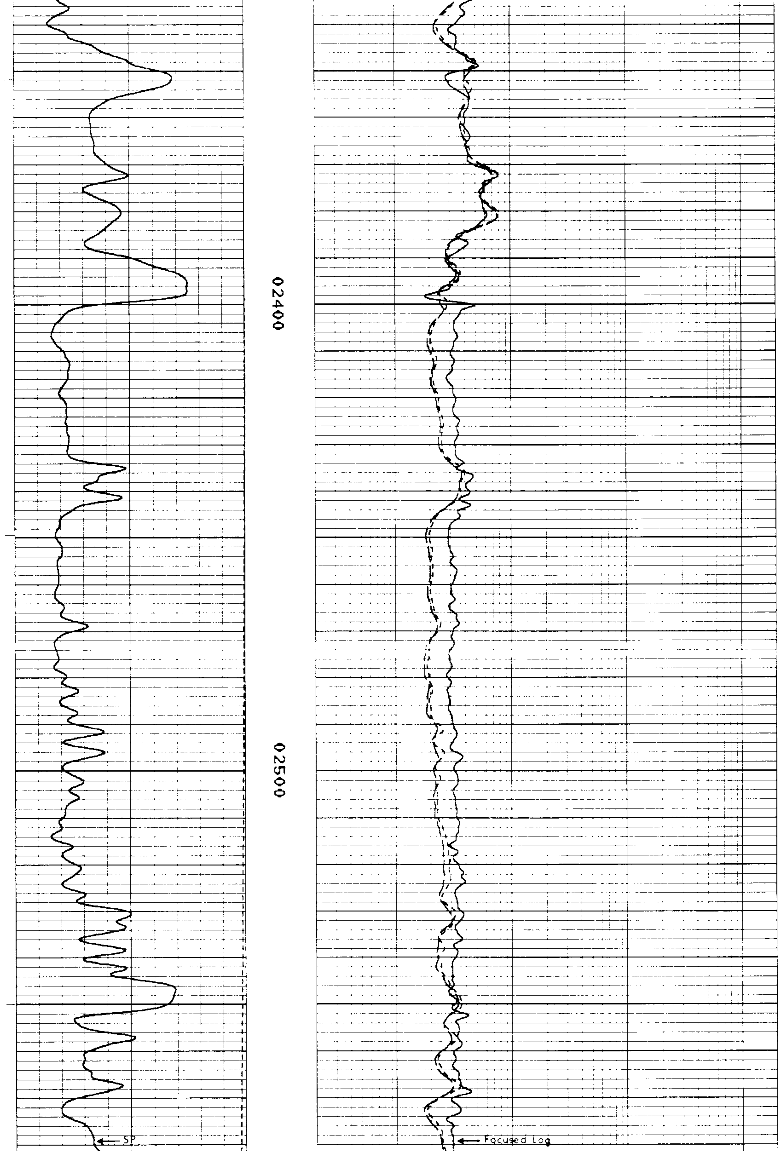


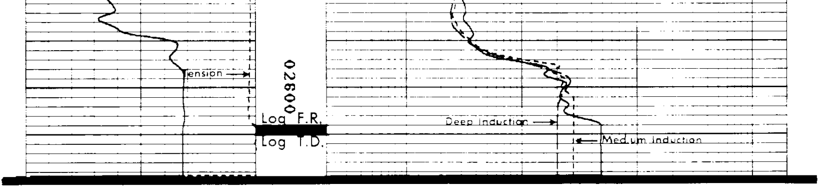












[illegible]

TEN (LBS)

5000 0

SP [illegible]

0 100

[illegible] 0.2 [illegible]

RILM(OHMM)

0.2 [illegible]

RFOC(OHMM)

[illegible] [illegible]

CURVE DELAYS

CURVE	DELAY	UNITS
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

PARAMETERS

[illegible]	[illegible]	[illegible]	[illegible]
RW	[illegible]	[illegible]	[illegible]

DISPLAY SCALE CHANGES

*** NONE ***

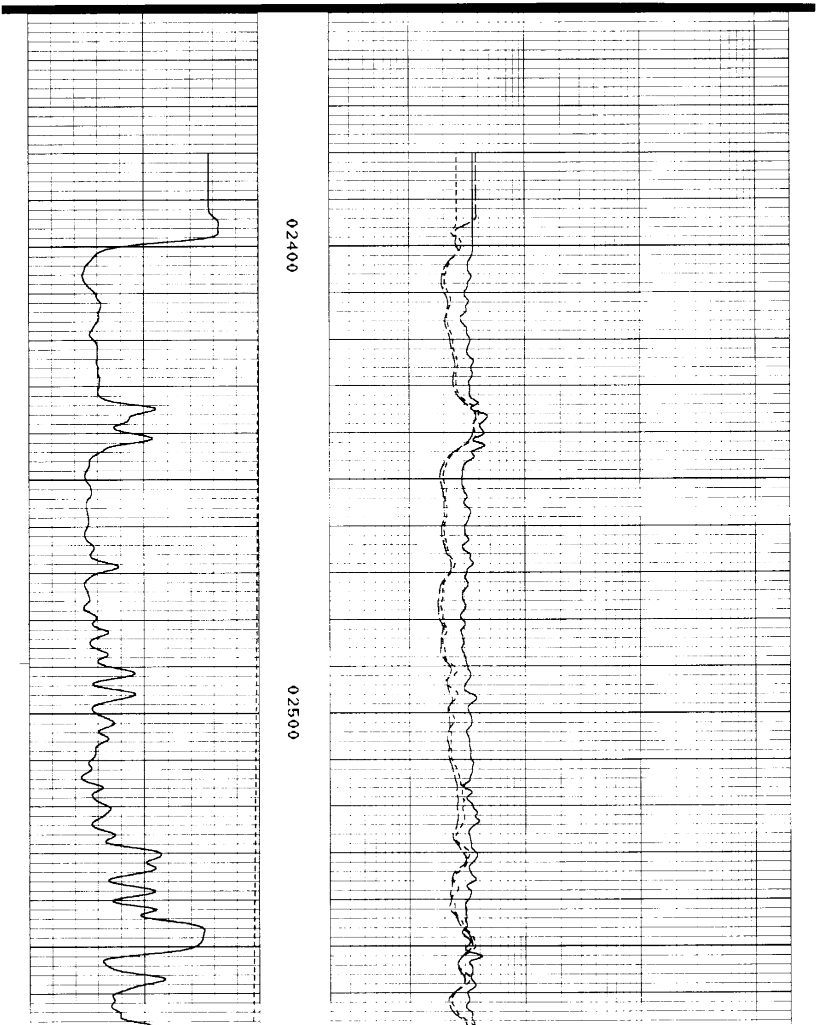
COMPANY: [illegible] NATURAL GAS CORP.

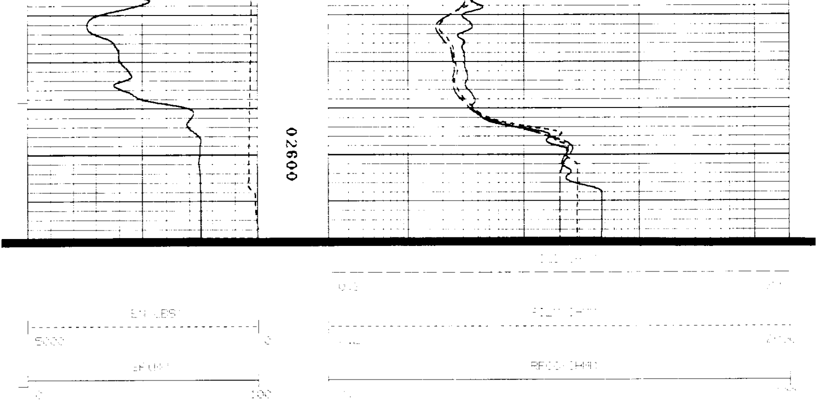
WELL NAME: [illegible]

DEPTH [illegible] FILE: [illegible]

[illegible] REV [illegible] VER [illegible]

REPEAT SECTION





CURVE DELAYS

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  ++++++++++++++++++++++++++++++++++++++++
  +                                      +
  +  CALIBRATION VERIFICATION SUMMARIES  +
  +  DATE 09/18/88        TIME 13:10:14  +
  +  RUN  1               TRIP 1         +
  +                                      +
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      LOG NAME DIFL   ASSET NO. 33304    UNIT NO. 8381
   CALIBRATION ENTERED ON  09/18/88 AT 13:10:14

CURVE   MILLIVOLTS      SCALING FACTORS      ENGINEERING VALUES   UNITS
         LOW    HIGH    ADD.     MULT.          LO.      HIGH
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.
    DATE 09/18/88         CALIBRATION          TIME 14:02:34

CILD     -0.3   481.7    1.350    1.0747        0.000    500.000 MMHO
CILM     -2.3   502.0    3.078    1.0033        0.000    500.000 MMHO
CFOC      2.5   497.0   -1.558    1.0465        0.000    500.000 MMHO

    DATE 09/18/88    PRIMARY VERIFICATION      TIME 14:03:57

CILD     -0.1   491.7    1.350    1.0747        0.181    483.302 MMHO
CILM     -2.0   506.4    3.078    1.0033        0.133    487.327 MMHO
CFOC      4.7   503.2   -1.558    1.0465        0.118    508.385 MMHO

    DATE 09/18/88   BEFORE LOG VERIFICATION     TIME 13:50:38

CILD     -0.1   435.9    1.368    1.0330        0.131    483.301 MMHO
CILM     -0.0   502.2    3.088    1.0010        0.133    487.327 MMHO
CFOC      4.8   465.2   -1.794    1.0888        0.118    508.385 MMHO

    DATE 09/18/88   AFTER LOG VERIFICATION      TIME 13:27:58

CILD     -0.1   482.8    1.368    1.0330        0.131    508.401 MMHO
CILM      0.0   506.5    3.088    1.0010        0.178    501.788 MMHO
CFOC      4.7   487.3   -1.794    1.0888        0.114    501.137 MMHO

           *** SP  NOT CALIBRATED ***
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CURVE DELAYS