ATLAS WIRELINE SERVICES

VERTILOG®

FILE NO.	PC-VRL-1337
API NO.	
COMPANY	OREGON NATURAL GAS DEVELOPEMENT CORP.
WELL	COLUMBIA COUNTY NO.6 REDRILL NO.2
FIELD	MIST-NAHALEM BASIN
COUNTY	COLUMBIA
STATE	OREGON

LOCATION:
689' S. & 66' W.
FROM THE CENTER OF:

SEC 10 TWP 6N. RGE 5W.

OTHER SERVICES
NEUTRON

PERMANENT DATUM G.L. ELEV. 742.4'
LOGGING MEASURED FROM K.B. 11.4 FT. ABOVE P.D.
DRILLING MEASURED FROM K.B.

ELEVATIONS
KB 753.8'
DF ---
GL 742.4'

DATE	DEC.14,1988	
RUN	1	
SERVICE ORDER	131782	
DEPTH-DRILLER	2480'	
DEPTH-LOGGER	2480'	
BOTTOM LOGGED INTERVAL	2475'	
TOP LOGGED INTERVAL	SURFACE	
TYPE FLUID IN HOLE	HEC/BRINE	
SALINITY PPM CL.	20000PPM	
DENSITY LB/GAL.	8.5	
LEVEL	FULL	
MAX. REC. TEMP. DEG. F	NOT RECORDED	
OPR. RIG TIME	4 HRS.	
EQUIP. NO. / LOC.	HL 6301 / BAKRSFLD.	
RECORDED BY	T. TWOMEY	
WITNESSED BY	MR. THOMAS	

BOREHOLE RECORD

NO.	BIT	FROM	TO
1	N/A	SURFACE	401'
2	6 1/4"	401'	2614'

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
7"	20	SURF.	401' K-55
4 1/2"	10.5	SURF.	2508' K-55

REMARKS RUN (1)

CENTRALIZERS NOT USED!
SURF COMMAND USED @ 410'.
PERFS: 2240'-2252', 2257'-2267', 2277'-2287', 2293'-2297',
2303'-2324', 2329'-2336', 2358'-2373'.

LOG CORRELATED TO WELEX CEMENT BOND LOG DATED 8-12-79.

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION
1	1	VRT	79490	2904MA	FREE

COMPANY: OREGON NATURAL GAS DEVELOPEMENT CORP.

RUN: 1

WELL NAME: COLUMBIA COUNTY NO.6 REDRILL NO.2

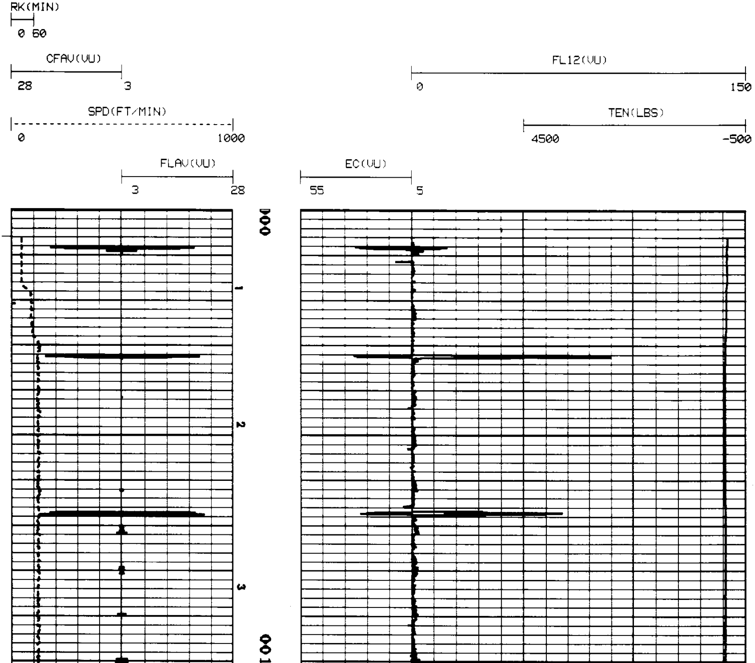
TRIP: 1

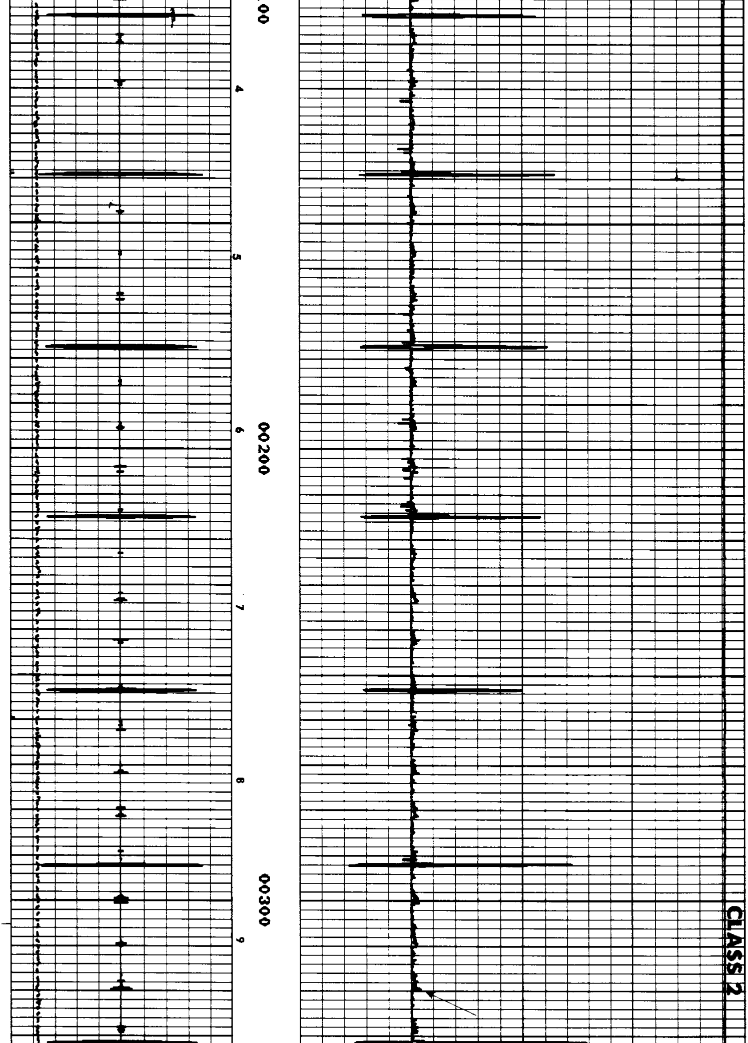
SERVICE: V VRT1 FILE: 1 DATE: 12/14/88

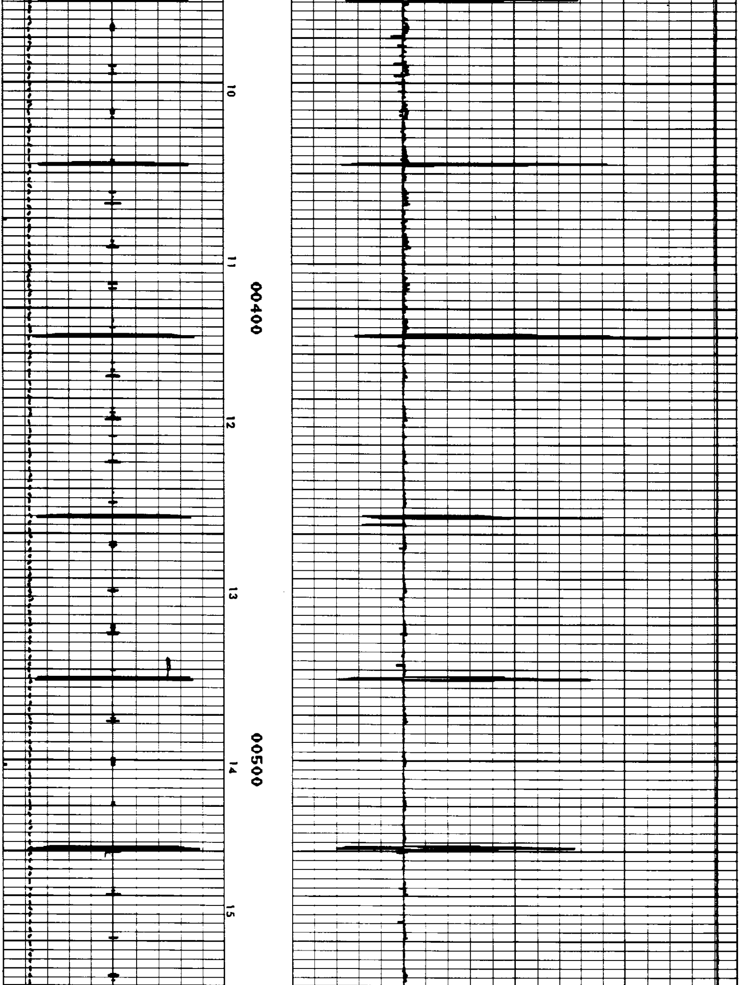
TIME: 11:17:36

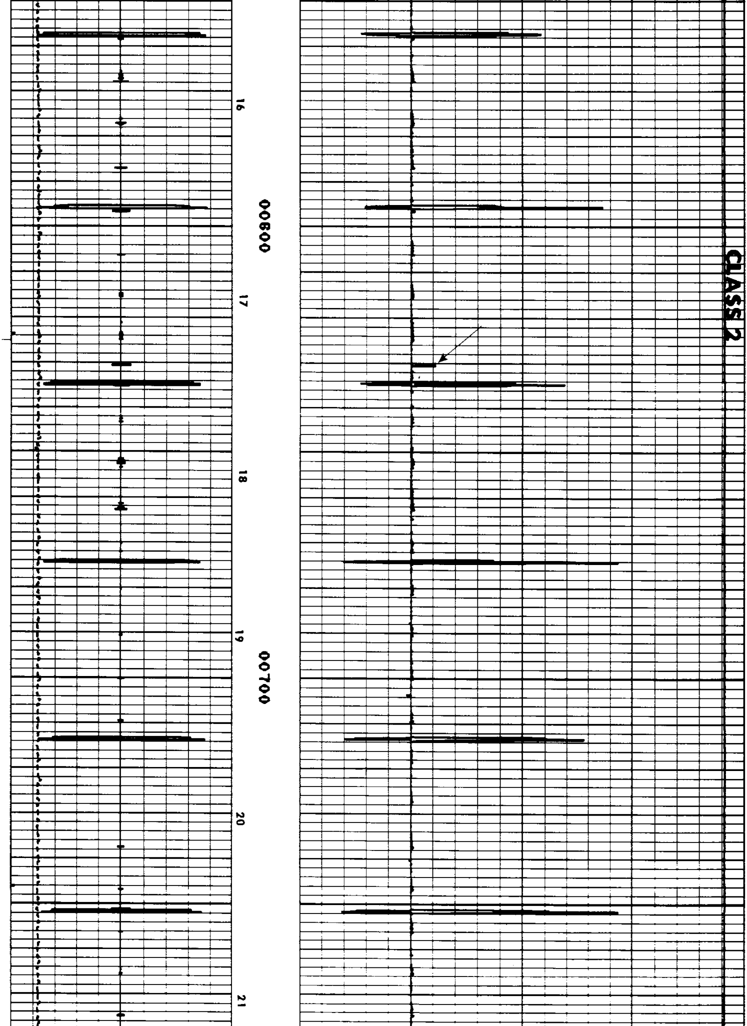
REVISION: FSYSAL REV GS08 VER 2

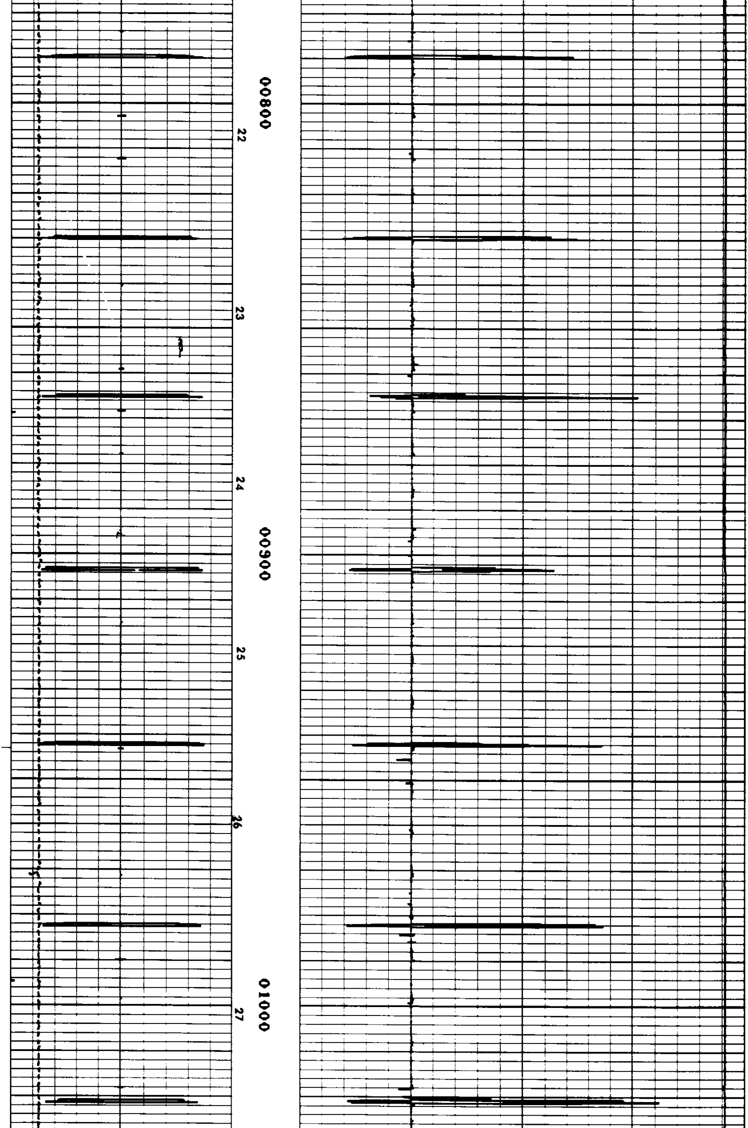
MODE: PLAYBACK

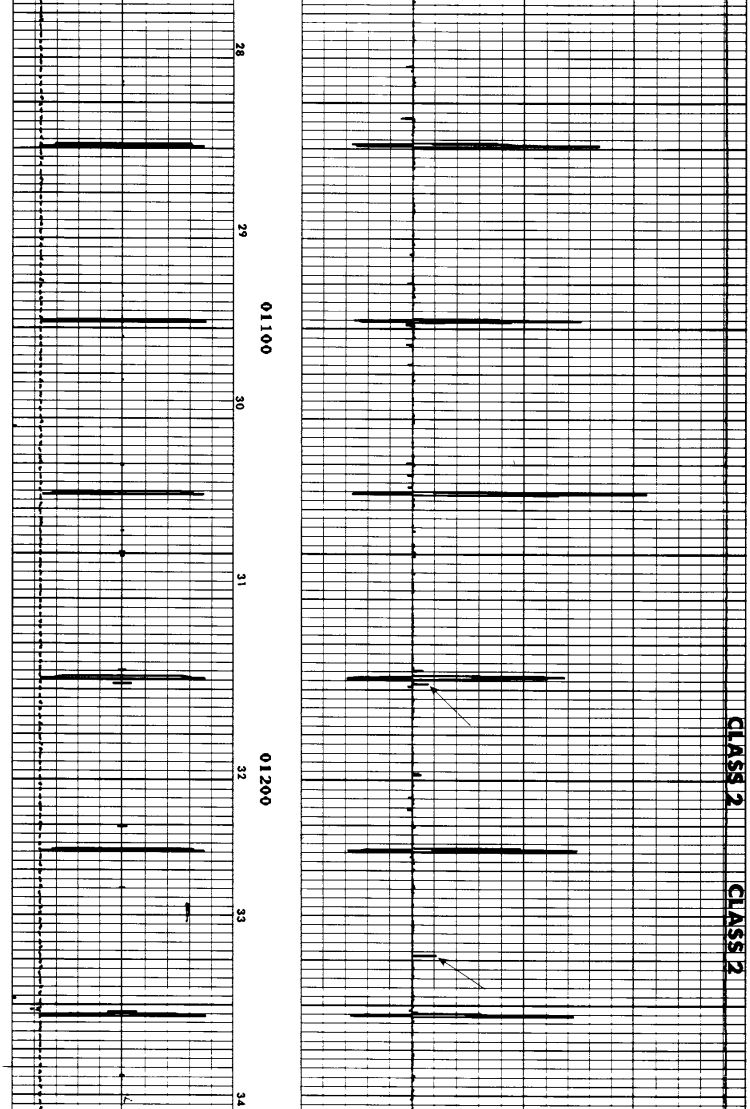


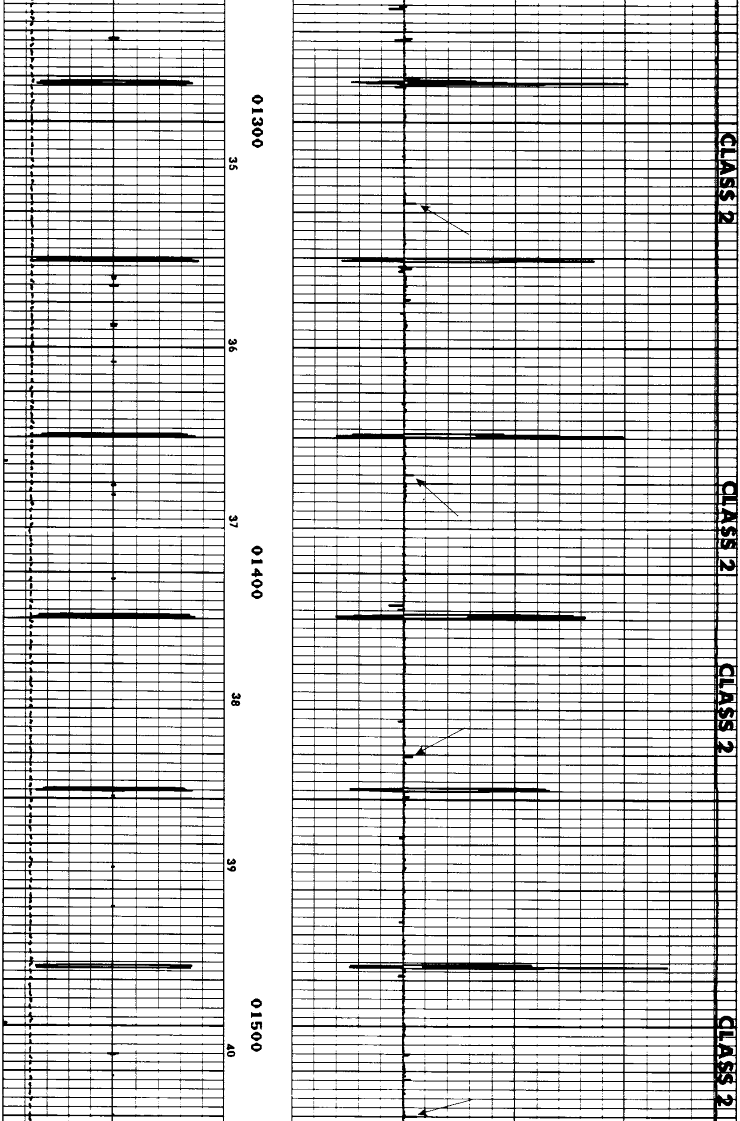


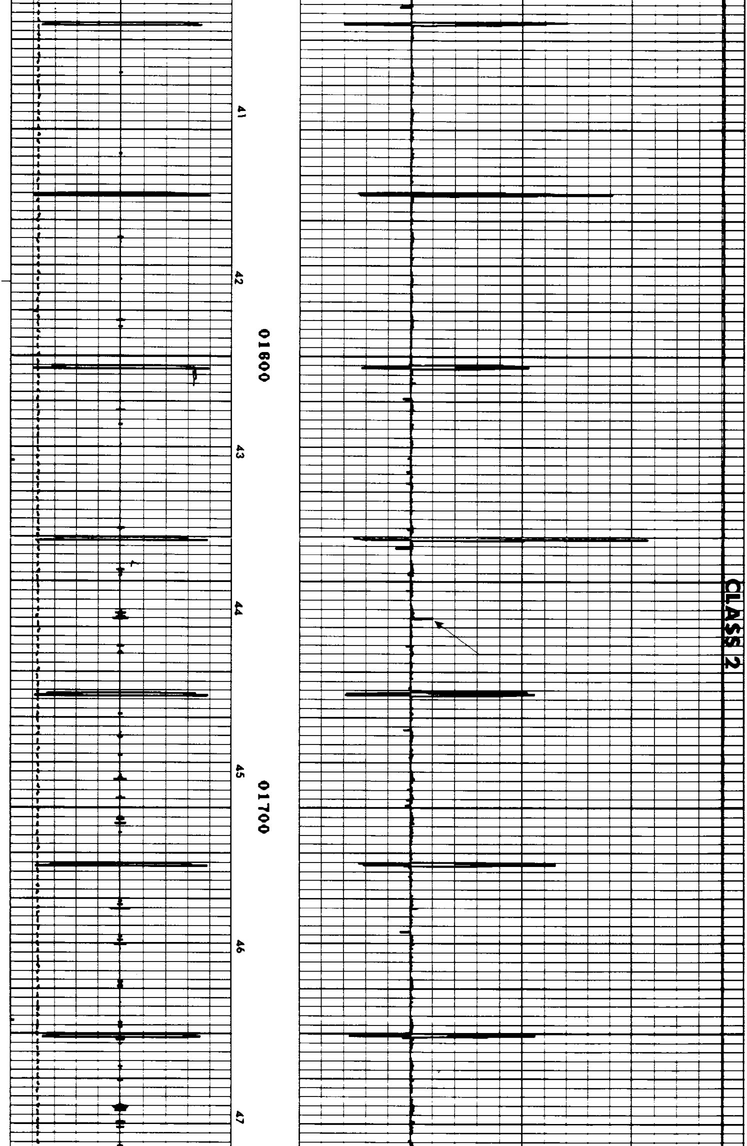


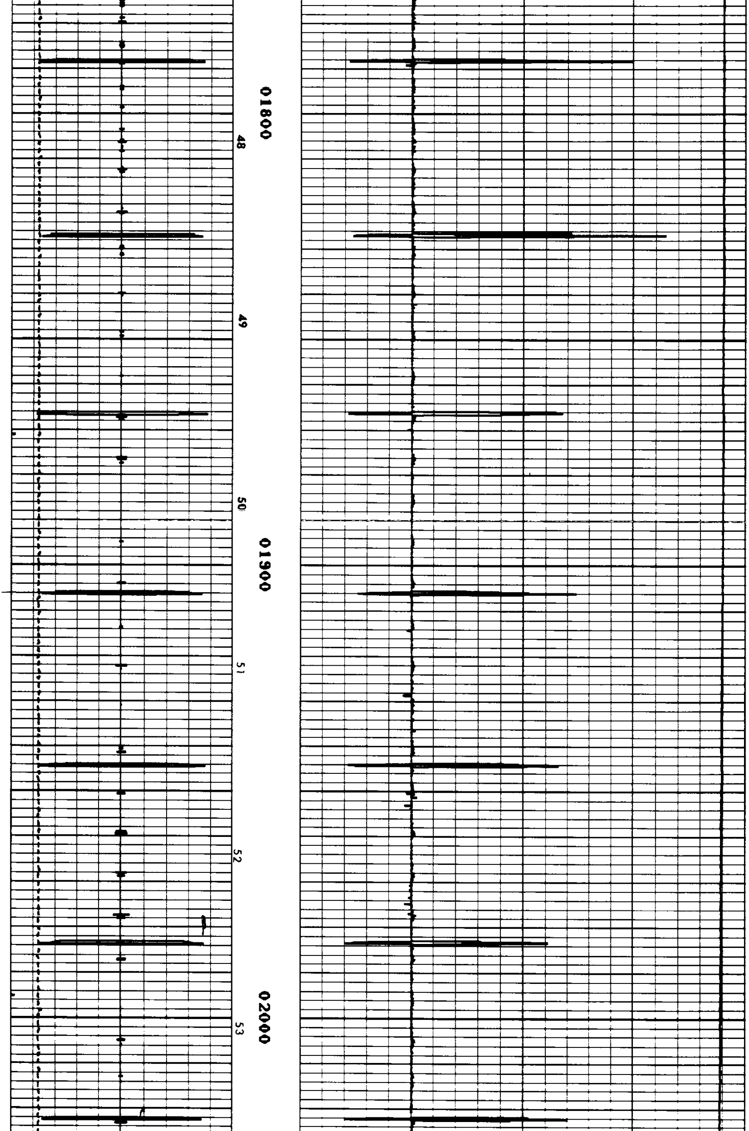


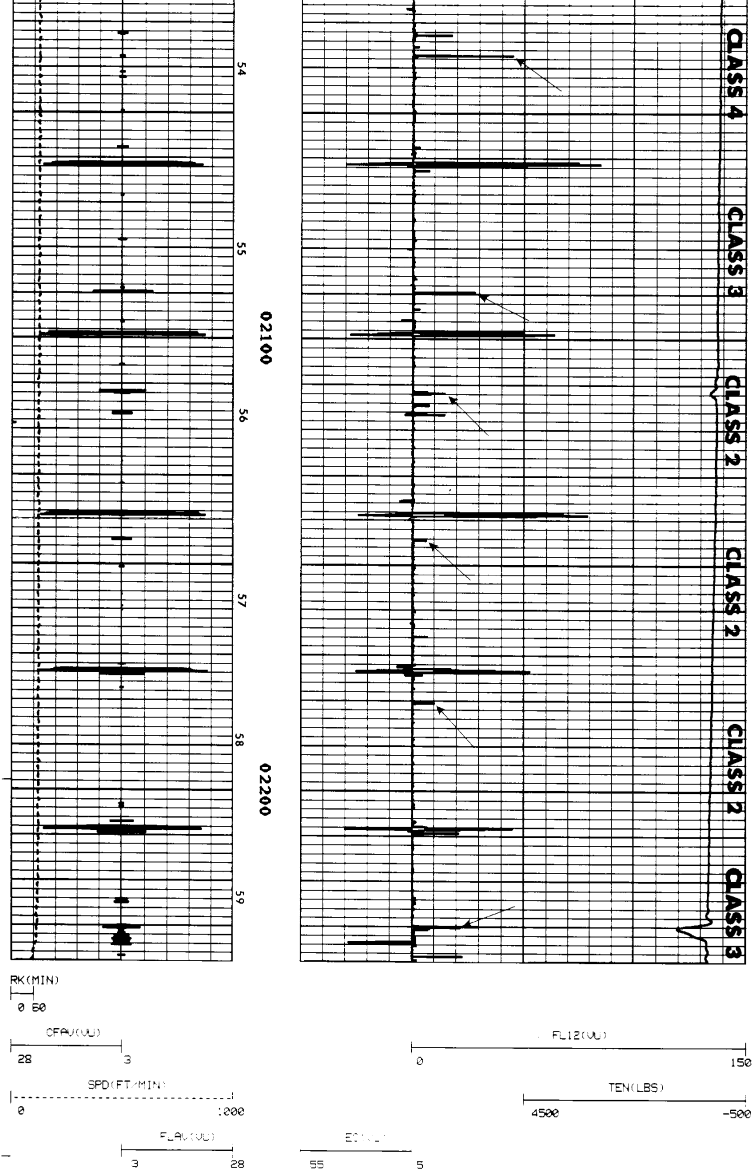












BOTTOM-HOLE LOG TOOL STUCK @ 2282′

PARAMETERS

*** NONE ***

DISPLAY SCALE CHANGES

*** NONE ***

COMPANY: OREGON NATURAL GAS DEVELOPEMENT CORP.

RUN: 1

WELL NAME: COLUMBIA COUNTY NO.6 REDRILL NO.2

TRIP: 1

SERVICE: V VRT1

FILE: 2

DATE: 12/13/88

TIME: 13:16:19

REVISION: FSYSAL REV GS08 VER 2

MODE: PLAYBACK

RK(MIN)
0 60

CFAV(VU)
28 3

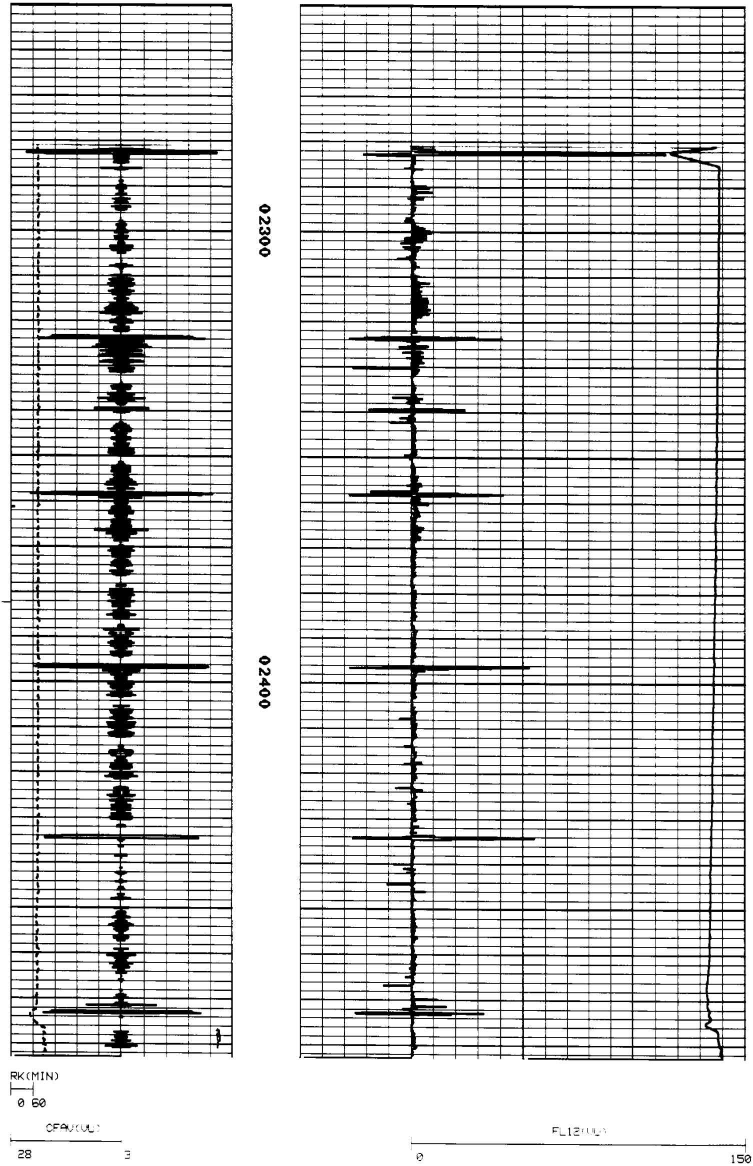
FL12(VU)
0 150

SPD(FT/MIN)
0 1000

TEN(LBS)
4500 -500

FLAV(VU)
3 28

EC(VU)
55 5



SPD(FT/MIN)
0 1000

TEN(LBS)
4500 -500

FLAV(VU)
3 28

EC(VU)
55 5

REPEAT SECTION

PARAMETERS

*** NONE ***

DISPLAY SCALE CHANGES

*** NONE ***

COMPANY: OREGON NATURAL GAS DEVELOPEMENT CORP.

RUN: 1

WELL NAME: COLUMBIA COUNTY NO.6 REDRILL NO.2

TRIP: 1

SERVICE: V VRT1

FILE: 2

DATE: 12/14/88

TIME: 11:42:28

REVISION: FSYSAL REV GS08 VER 2

MODE: PLAYBACK

RK(MIN)
0 60

CFAV(VU)
28 3

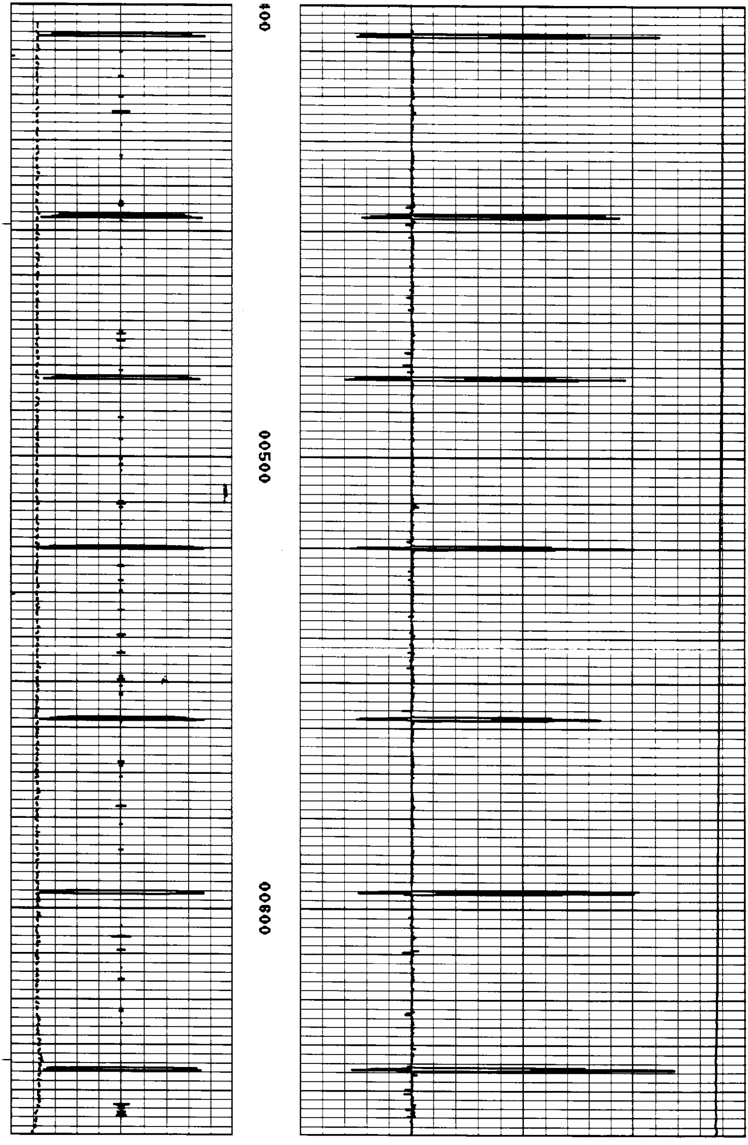
FL12(VU)
0 150

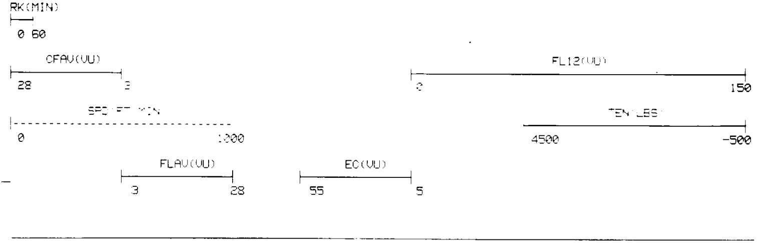
SPD(FT/MIN)
0 1000

TEN(LBS)
4500 -500

FLAV(VU)
3 28

EC(VU)
55 5





CALIBRATION

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*****************************************
*                                       *
*          CALIBRATION SUMMARY          *
*  DATE 12/14/88         TIME 09:09:44  *
*  RUN  1                TRIP 1         *
*                                       *
*****************************************


      LOG NAME VRT     ASSET NO. 4.5E      UNIT NO. HL 6301
  CALIBRATION ENTERED ON  12/14/88 AT 09:07:57           2904
                          PIPE O.D.  =  4.5

 CURVE   MILLIVOLTS     SCALING FACTORS     ENGINEERING VALUES    UNIT
          LOW    HIGH    ADD.     MULT.        LOW         HIGH
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      DATE 12/13/88         CALIBRATION         TIME 11:52:25

 FL1       67.   1032.    0.000    0.0732      0.673      10.316 VU
 FL2     -236.    996.    0.000    0.0732     -2.364       9.960 VU
 EC         0.   1921.    0.000    0.0366      0.000       9.603 VU
 FLAV       4.    147.    0.000    0.0545      0.082       3.279 VU

      DATE 12/13/88         CHANNEL SUMMARY     TIME 11:52:25

CH. NO.          FL1 (MV)       FL2 (MV)       EC (MV)       FLAV (MV)
  1                979.          E              1981.          150.
  2               1067.          E              1944.          154.
  3               1029.          E              1969.          140.
  7               1057.          E              1867.          146.
  8               1041.          E              1305.          146.
  9               1016.          E              1889.          144.
  13              E               997.          1912.          E
  14              E               985.          1925.          E
  15              E              1023.          1872.          E
  19              E               991.          1896.          E
  20              E               937.          1998.          E
  21              E              1042.          1890.          E
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