FORM 925322 REV. (8-80)

Dresser Atlas

DRESSER

Compensated Densilog®
Compensated Neutron
Gamma Ray

FILE NO.

API NO.

5" = 100'

COMPANY OREGON NATURAL GAS CORPORATION

WELL OM 32 B-11

FIELD MIST

COUNTY COLUMBIA STATE ORIGON

LOCATION: 1946.2' W. & 1871.1' S. FROM N.E. CORNER OF:

SEC 11 TWP 6N RGE 5W

Other Services
DIFL
BHC/AL
DIP

Permanent Datum GL Elev. 691.4'
Log Measured from KB 11.5 Ft. Above Permanent Datum
Drilling Measured from KB

Elev. KB 702.9'
DF -
GL 691.4'

TIGHT HOLE
[✓ YES] | NO
P.B.

6 1987

Date	1-30-87			
Run No.	ONE			
Service Order	22880			
Depth—Driller	3205'			
Depth—Logger	3196'			
Bottom Logged Interval	3194'			
Top Logged Interval	458'			
Casing—Driller	8 5/8"@ 465'	@	@	@
Casing—Logger	458'			
Bit Size	7 7/8"			
Type Fluid in Hole	GEL LIGNO			
Density and Viscosity	9.4 52			
pH and Fluid Loss	9.5 5.0 cc	cc	cc	cc
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	2.84 @ 50 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	2.64 @ 50 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	2.33 @ 50 °F	@ °F	@ °F	@ °F
Source of Rmf and Rmc	M M			
Rm @ BHT	1.34 @ 106°F	@ °F	@ °F	@ °F
Time Since Circ.	4 HRS.			
Max. Rec. Temp. Deg. F.	106 °F	°F	°F	°F
Equip. No. and Location	6406 SAC.			
Recorded By	B. WELCH			
Witnessed By	MR. MEYER			

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.

REMARKS RUN (1)

EQUIPMENT DATA

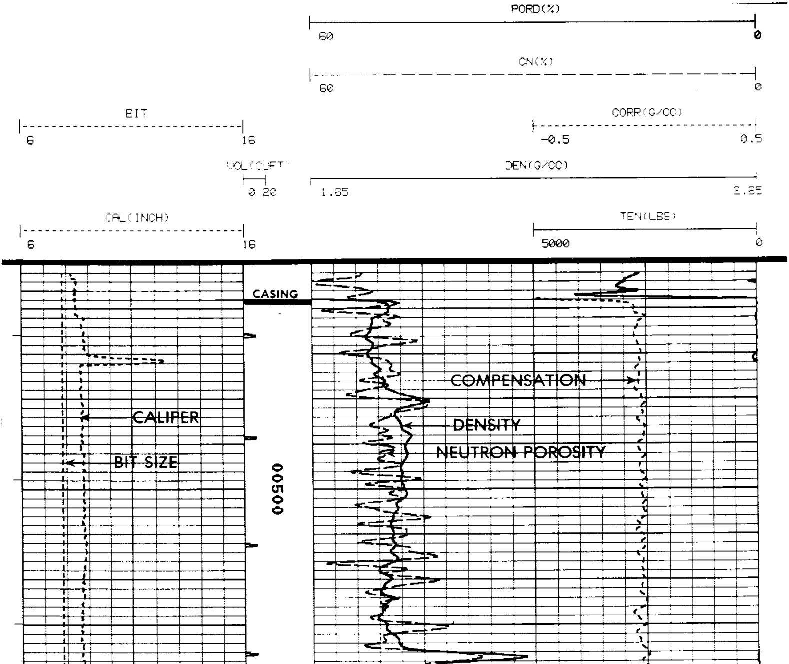
RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION
1	1	CDL	42452	2212	DECENT
1	1	CAL	42452	2212	DECENT
1	1	CN	73525	2420	DECENT
1	1	GR			

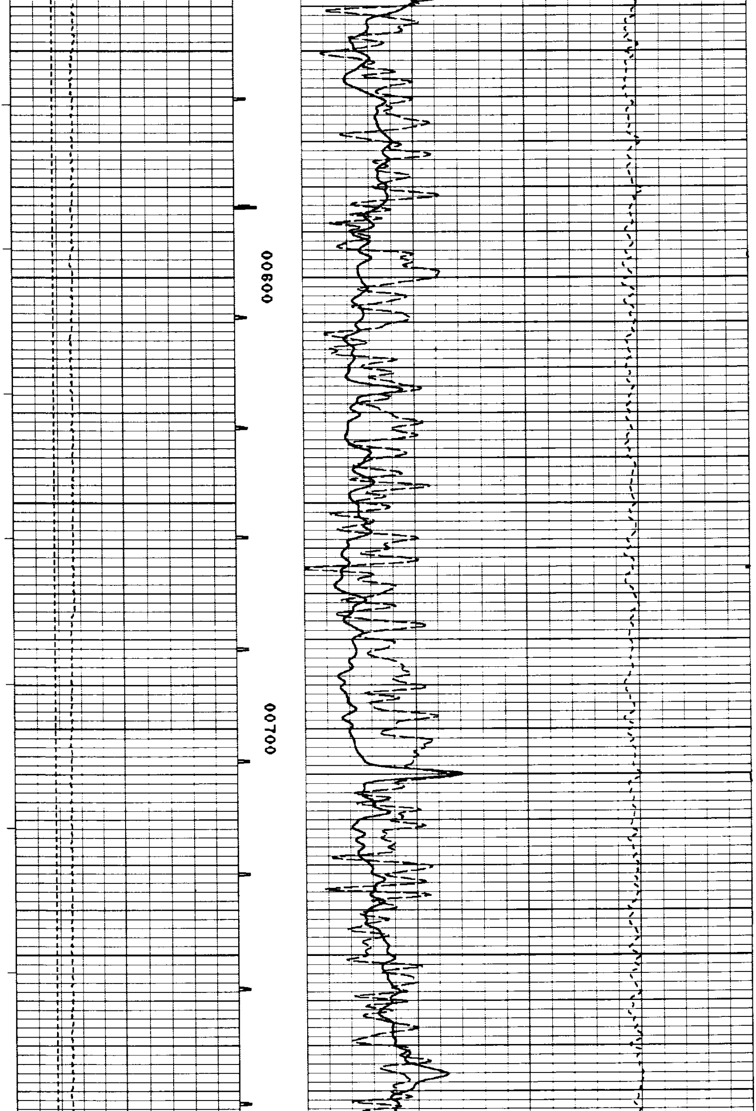
COMPANY: OREGON NATURAL GAS CORP
RUN: 1

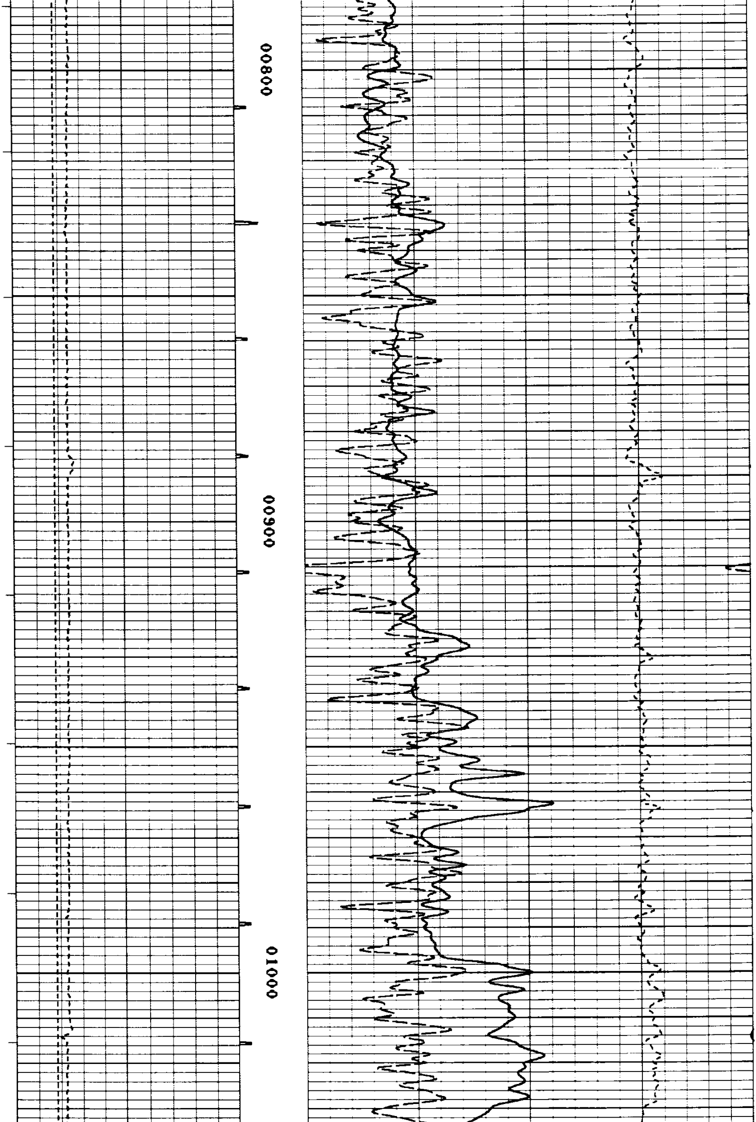
WELL NAME: OM 32 B-11
TRIP: 1

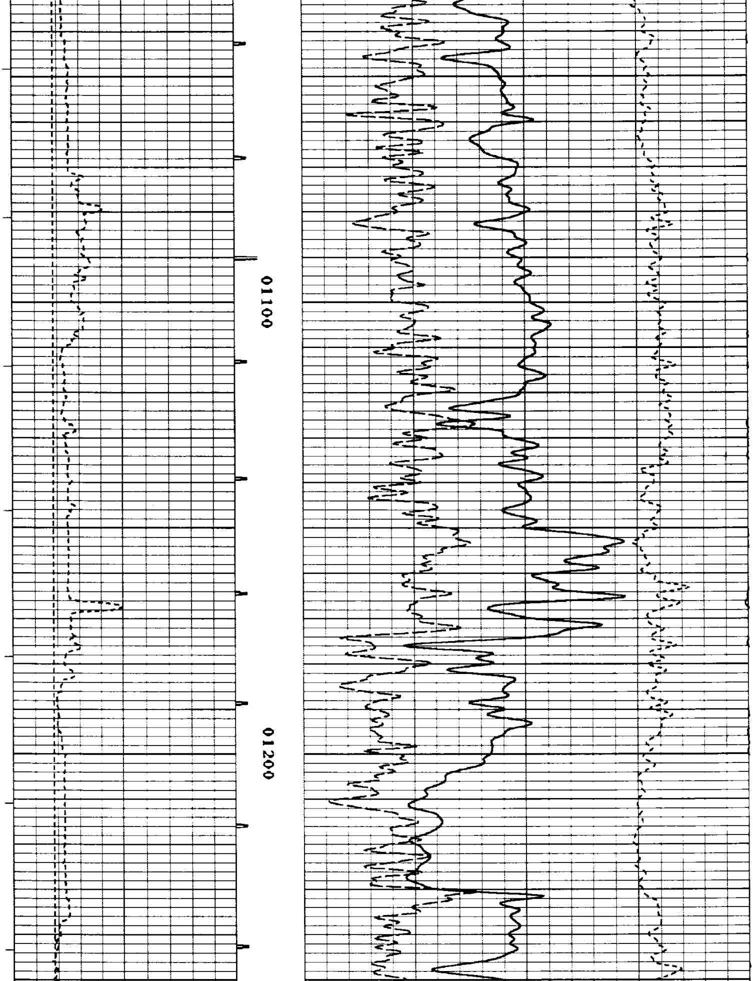
SERVICE: KC227F FILE: 2 DATE: 01/15/87 TIME: 10:20:25

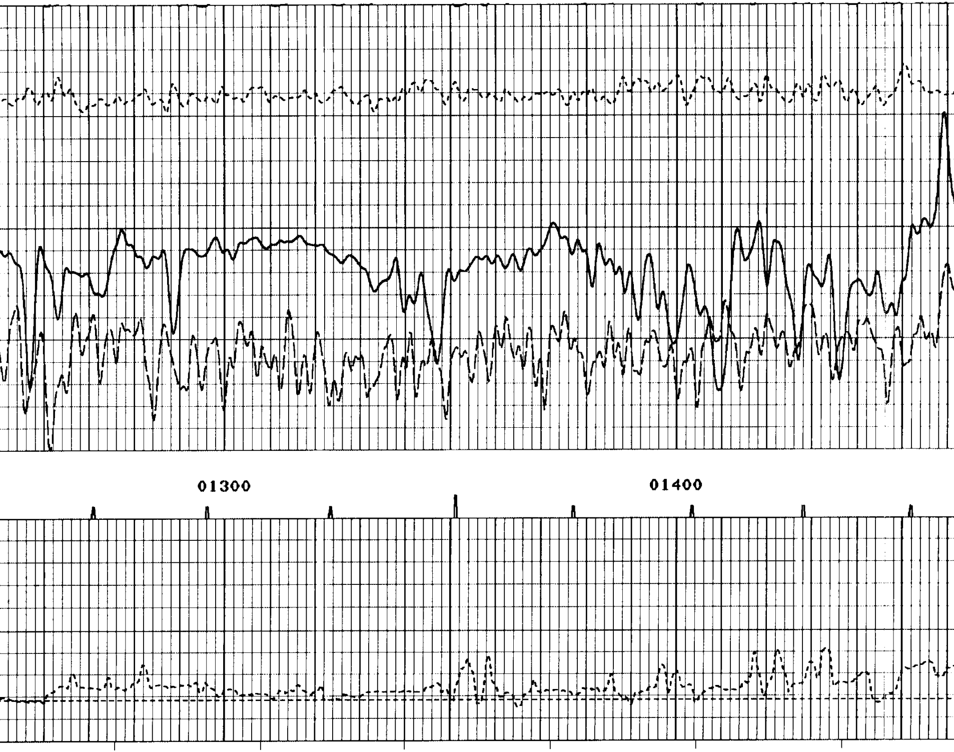
REVISION: FSYSAL REV D007 VER 7
MODE: RECORD

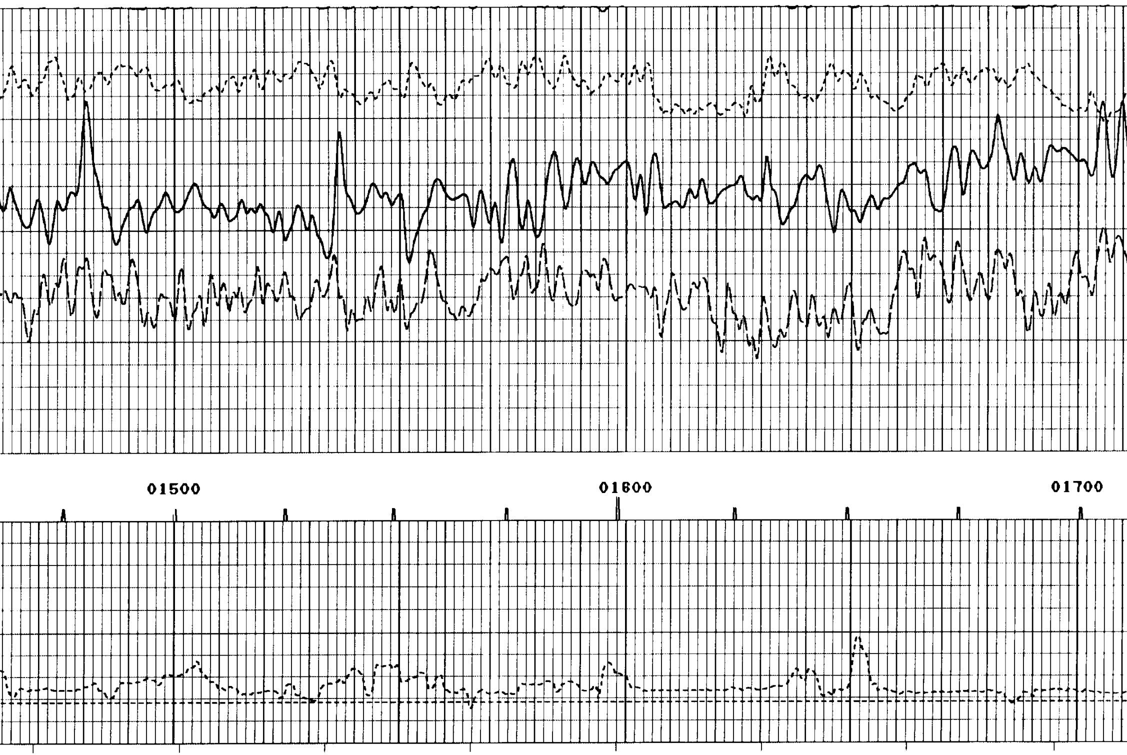


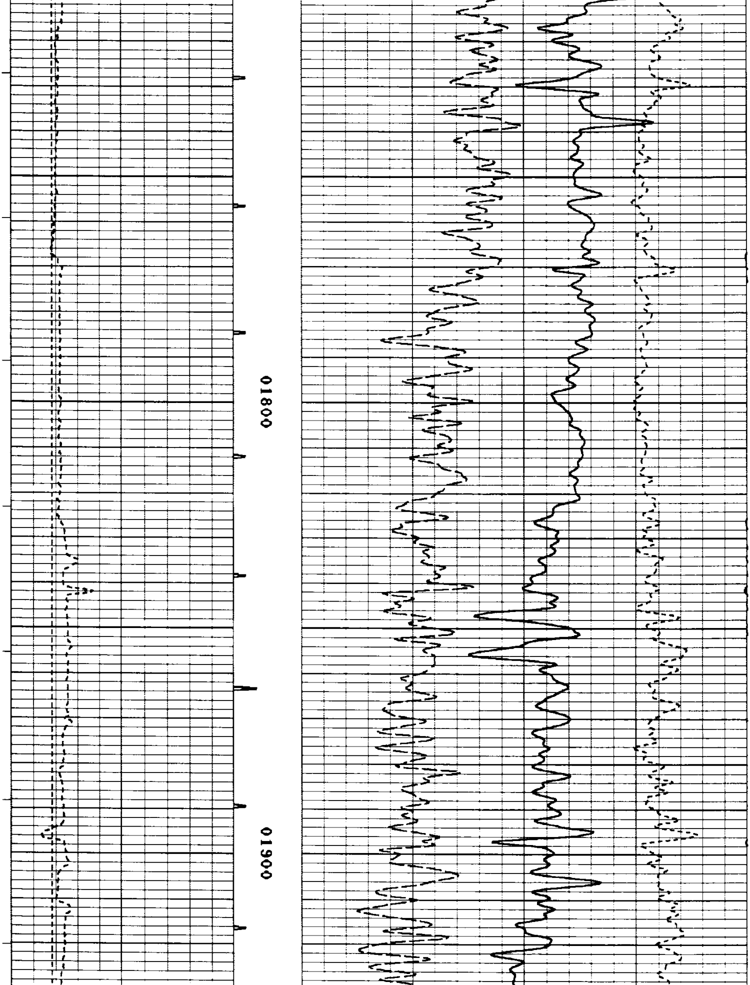


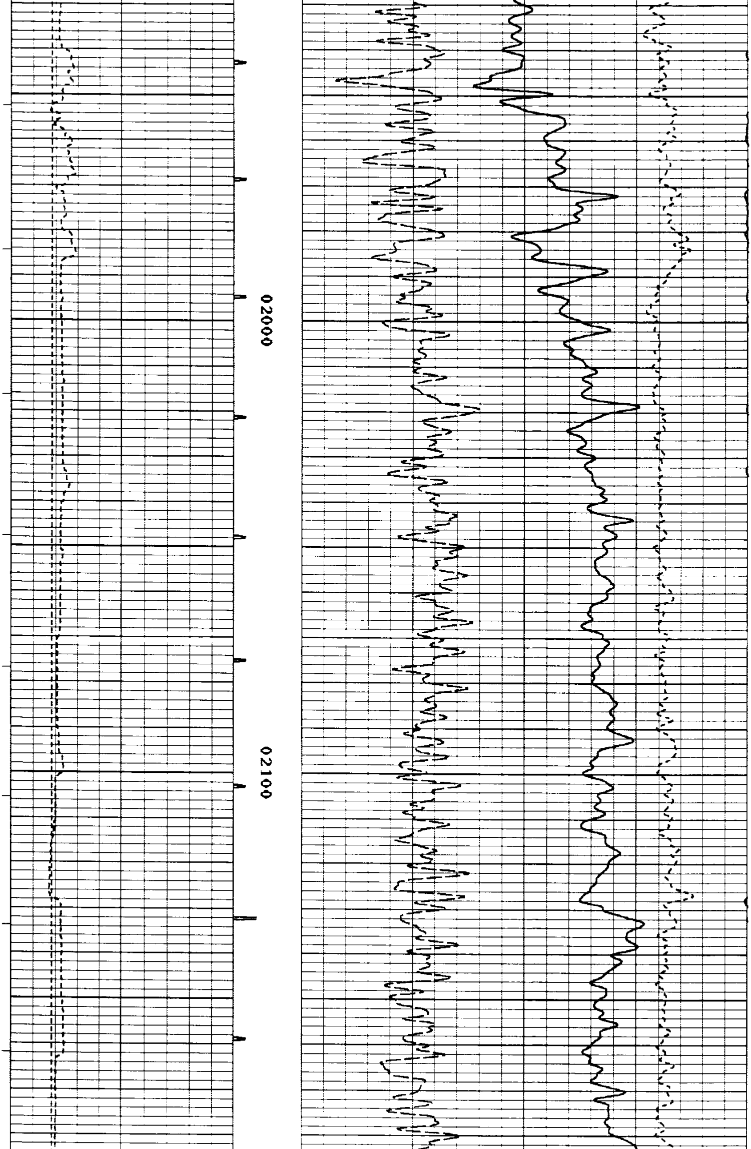


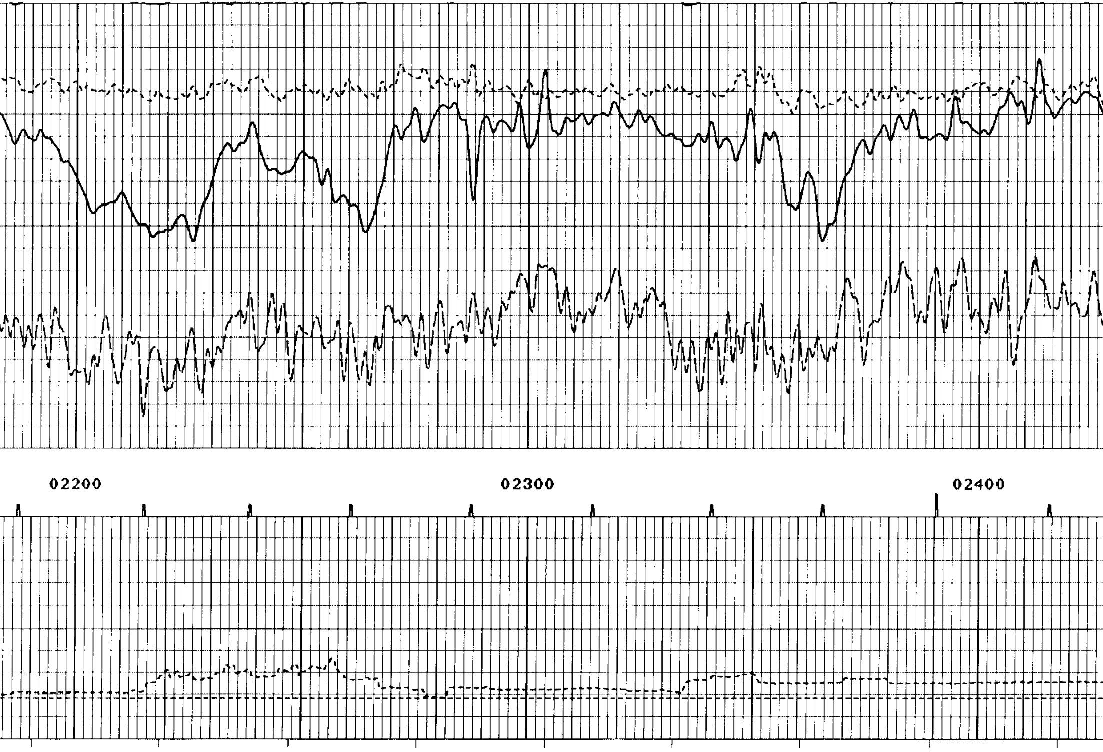


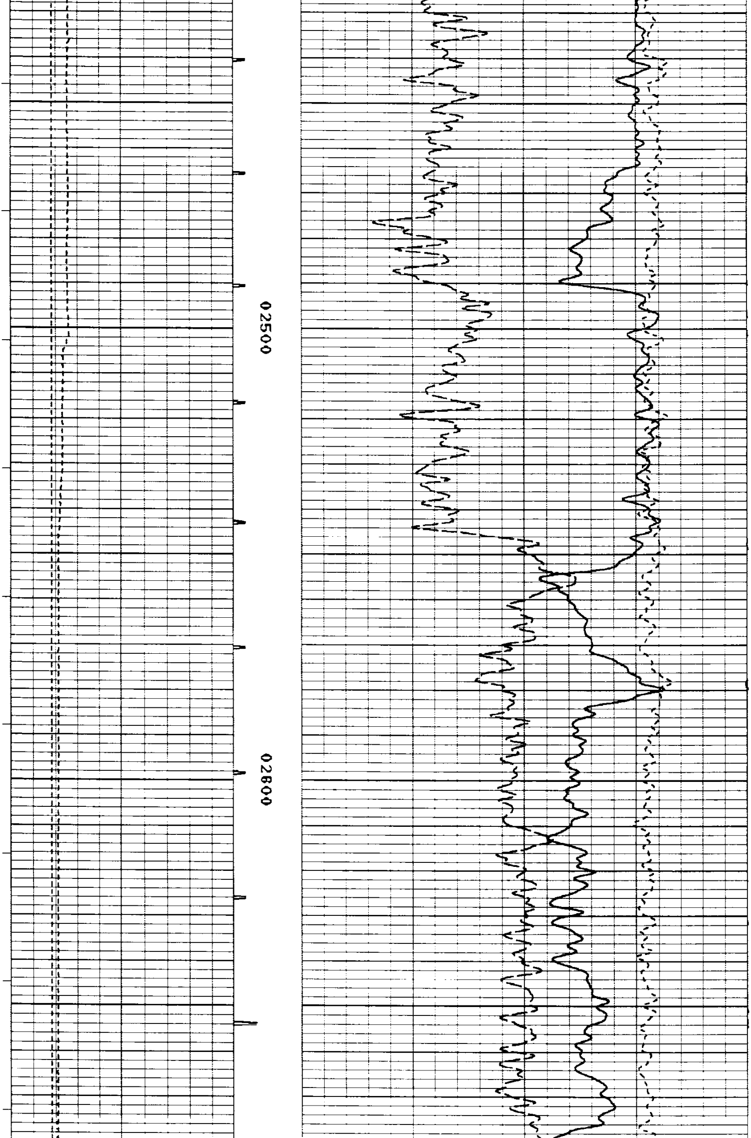


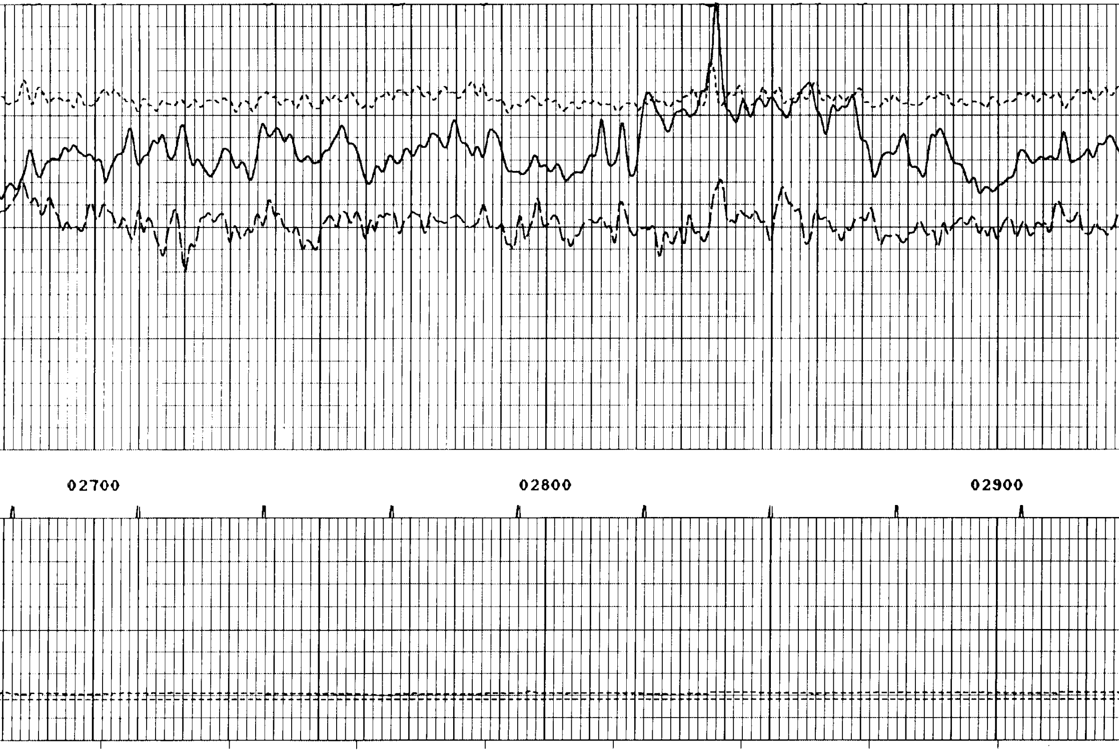


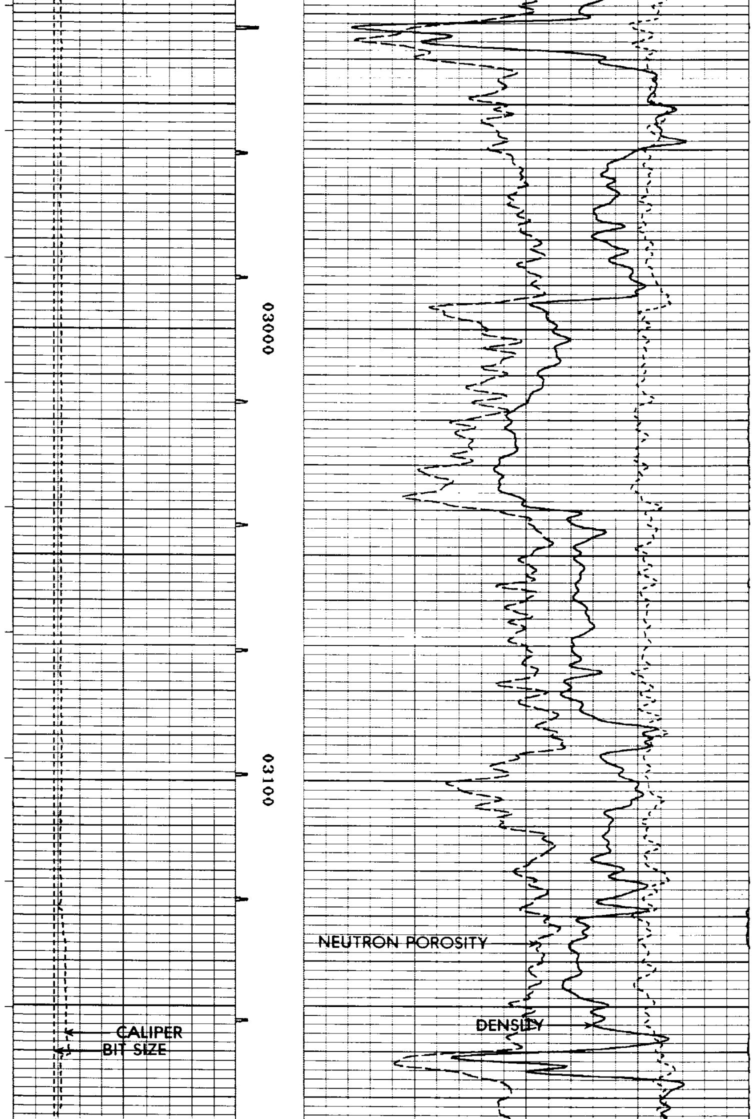


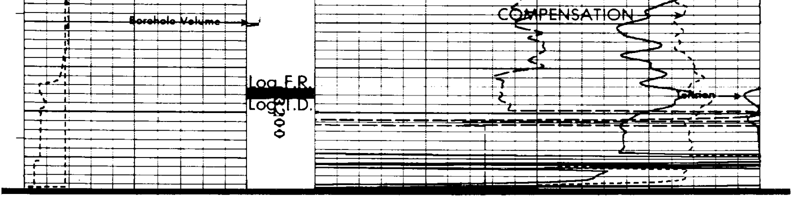












PORD(%)
60 0

CN(%)
60 0

BIT
6 16

CORR(G/CC)
-0.5 0.5

VOL(CUFT)
0 20

DEN(G/CC)
1.65 2.65

CAL(INCH)
6 16

TEN(LBS)
5000 0

CURVE DELAYS

COMPANY: OREGON NATURAL GAS CORP
RUN: 1
WELL NAME: OM 32 B-11
TRIP: 1
SERVICE: KC227F
FILE: 1
DATE: 01/15/87
TIME: 10:05:56
REVISION: FSYSAL REV D007 VER 7
MODE: RECORD

PORD(%)
60 0

CN(%)
60 0

BIT
6 16

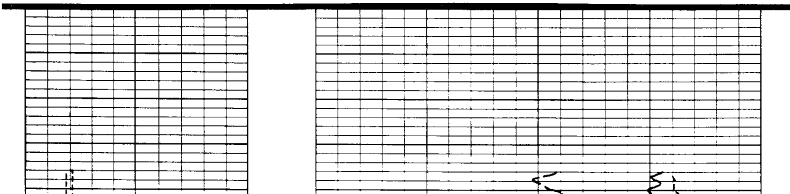
CORR(G/CC)
-0.5 0.5

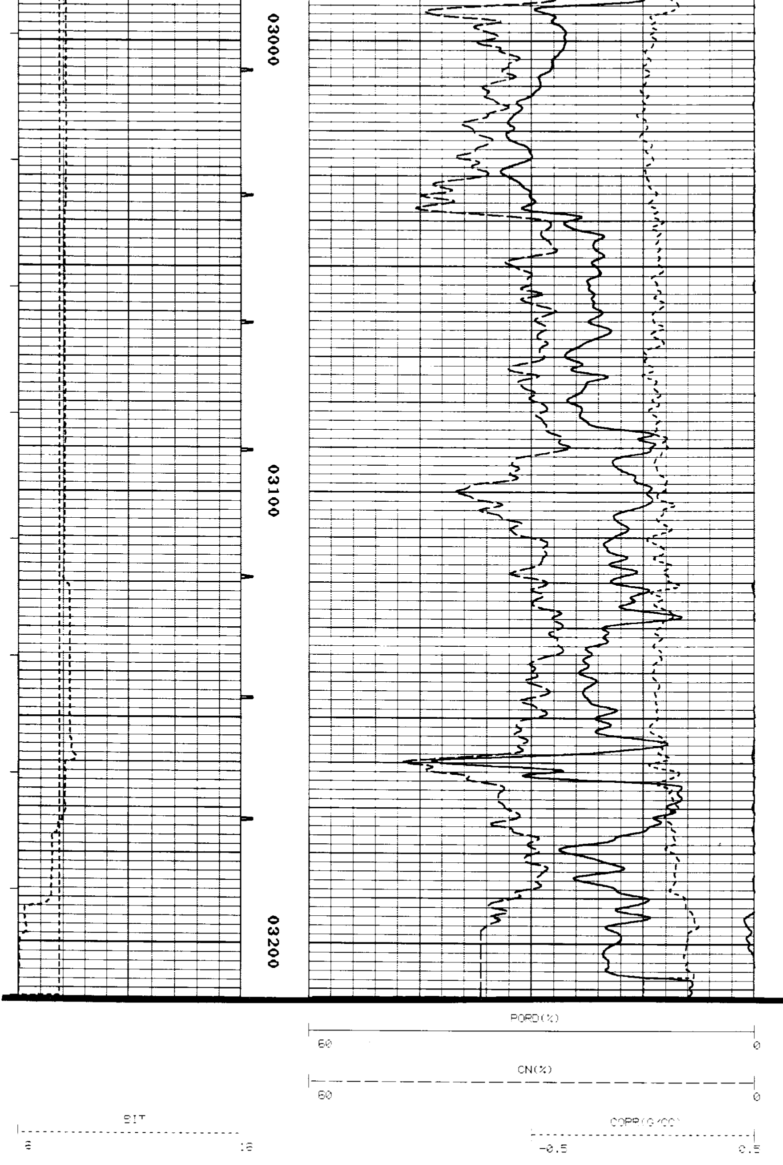
VOL(CUFT)
0 20

DEN(G/CC)
1.65 2.65

CAL(INCH)
6 16

TEN(LBS)
5000 0





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                                VOL(CUFT)                              DEN(G/CC)
                                |--|      |---------------------------------------------------------|
                                0 20       1.65                                                   2.65

          CAL(INCH)                                                          TEN(LBS)
 _|-----------------------------|                                   ------------------------------
   6                            16                                  5000                         0
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                 ****************************************
                 *                                      *
                 *  CALIBRATION/VERIFICATION SUMMARIES  *
                 *  DATE 01/15/87       TIME 12:34:24   *
                 *  RUN  1              TRIP 1          *
                 *                                      *
                 ****************************************


        LOG NAME CDL     ASSET NO. 42452    UNIT NO. 6406
     CALIBRATION ENTERED ON 01/15/87 AT 01:30:22         LARGE TOOL
                            SOURCE NUMBER 767

  CURVE   COUNTS/SEC.     SCALING FACTORS    RATIO     ENG. VALUE  UNITS
           BLOCK  VALUE    ADD.     MULT.     MG/AL
  ----     --------      ----------------- --------   ----------  ----

       DATE 12/06/86          CALIBRATION          TIME 13:09:35

  LSD      MG      268.8
  SSD              563.4
  DEN                                                      2.200   G/CC
  CORR                                                     0.000   G/CC
  LSD      AL       92.4    0.000     1.0000   2.9093
  SSD              383.6    0.000     1.0000   1.4687
  DEN                                                      2.800   G/CC
  CORR                                                     0.000   G/CC
  LSD      MGRV    247.7
  SSD              610.7
  DEN                                                      2.480   G/CC
  CORR                                                     0.234   G/CC

       DATE 12/06/86    PRIMARY VERIFICATION       TIME 13:33:35

  LSD      AL       90.3    0.000     1.0000
  SSD              381.3    0.000     1.0000
  DEN                                                      2.818   G/CC
  CORR                                                     0.005   G/CC

       DATE 01/15/87   BEFORE LOG VERIFICATION    TIME 01:55:35

  LSD      AL       91.0    0.000     1.0000
  SSD              381.0    0.000     1.0000
  DEN                                                      2.806   G/CC
  CORR                                                    -0.002   G/CC

       DATE 01/15/87    AFTER LOG VERIFICATION    TIME 12:01:22

  LSD      AL       91.0    0.000     1.0000
  SSD              381.0    0.000     1.0000
  DEN                                                      2.806   G/CC
  CORR                                                    -0.003   G/CC


        LOG NAME CAL     ASSET NO. 42542    UNIT NO. HL6406
     CALIBRATION ENTERED ON 01/15/87 AT 02:16:23

  CURVE   MILLIVOLTS       SCALING FACTORS    ENGINEERING VALUES   UNITS
           LOW    HIGH     ADD.     MULT.        LOW        HIGH
  ----   --------------  -----------------  ----------------------  ----

       DATE 12/13/86          CALIBRATION          TIME 02:17:45

  CAL    2280.5  5741.3    2.046    0.0133      6.000      12.000 INCH

                        PRIMARY VERIFICATION             NOT DONE

       DATE 01/15/87   BEFORE LOG VERIFICATION    TIME 02:51:10

  CAL       E      3157.9    2.546    0.0133      E           8.231 INCH

       DATE 01/15/87    AFTER LOG VERIFICATION    TIME 11:53:12

  CAL       E      3248.2    2.546    0.0133      E           8.178 INCH
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          LOG NAME CN      ASSET NO. 73525    UNIT NO. 6408
     CALIBRATION ENTERED ON 01/15/87 AT 01:31:30          LARGE TOOL
                             SOURCE NUMBER 517520

CURVE   COUNTS/SEC.    SCALING FACTORS    RATIO     ENG. VALUE  UNITS
                        ADD.     MULT.  LSN/(SSN*8)
----    --------     ------------------ --------   ----------  ----

      DATE 12/06/86         CALIBRATION          TIME 10:47:01

LSN         100.0       0.000    1.0000
SSN         150.5       0.000    1.0000
CN                                       0.0830        15.000  %

      DATE 12/06/86     PRIMARY VERIFICATION     TIME 11:11:53

LSN          91.9       0.000    1.0000
SSN         145.1       0.000    1.0000
CN                                       0.0792        16.749  %

      DATE 01/15/87   BEFORE LOG VERIFICATION    TIME 01:37:35

LSN          91.8       0.000    1.0000
SSN         142.0       0.000    1.0000
CN                                       0.0809        15.853  %

      DATE 01/15/87    AFTER LOG VERIFICATION    TIME 12:38:01

LSN          89.8       0.000    1.0000
SSN         141.1       0.000    1.0000
CN                                       0.0795        16.569  %
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DresserAtlas DRESSER