FORM 925317

Dresser Atlas

DRESSER

Dual Induction Focused Log

R

FILE NO.

API NO.

5" = 100'

COMPANY OREGON NATURAL GAS CORPORATION

WELL OM 14 A-3

FIELD MIST

COUNTY COLUMBIA STATE OREGON

LOCATION: 1111.24' E. & 894.45' N. FROM S.W. CORNER OF:

SEC 3 TWP 6N RGE 5W

Other Services
BHC/AL
CDLC/CN/GR
DIP

Permanent Datum GL Elev. 1032.1'
Log Measured from KB, 11.5 Ft. Above Permanent Datum
Drilling Measured from KB

Elev.
KB 1043.6'
DF
GL 1032.1'

Confidential

Date	1-19-87			
Run No.	ONE			
Service Order	22823			
Depth — Driller	3200'			
Depth — Logger	3202'			
Bottom Logged Interval	3200'			
Top Logged Interval	540'			
Casing — Driller	8 5/8 @ 543'	@	@	@
Casing — Logger	540'			
Bit Size	7 7/8"			
Type Fluid in Hole	ORZAN/DRISPAC			
Density and Viscosity	10.0 | 54			
pH and Fluid Loss	9.0 | 4.4 cc	cc	cc	cc
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	2.1 @ 57 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	1.90 @ 47 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	2.52 @ 57 °F	@ °F	@ °F	@ °F
Source of Rmf and Rmc	M | M			
Rm @ BHT	1.15 @ 104 °F	@ °F	@ °F	@ °F
Time Since Circ.	4 HRS.			
Max. Rec. Temp. Deg. F.	104 °F	°F	°F	°F
Equip. No. and Location	6406 | SAC.			
Recorded By	B. WELCH			
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.

REMARKS RUN (1)

SP SHIFT FROM 2002' TO 1076' FROM UNKNOWN
SURFACE SOURCE FROM RIG EQUIP

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION
1	1	DIFL	72831	1503	1.5 SO
1	1	AC	79725	1603	CENT
1	1	GR			
1	1	CAL	57674	4202	VARIABLE

COMPANY: OREGON NATURAL GAS CORP.

WELL NAME: OM 14 A-3

SERVICE: KC214N FILE: 4 DATE: 1/11/87

REVISION: FSYSAL REV D007 VER 7

RUN: 1

TRIP: 1

TIME: 7:29:46

MODE: PLAYBACK

BIT
6 16

RWAA(OHMM)
0 9

CAL(INCH)
6 16

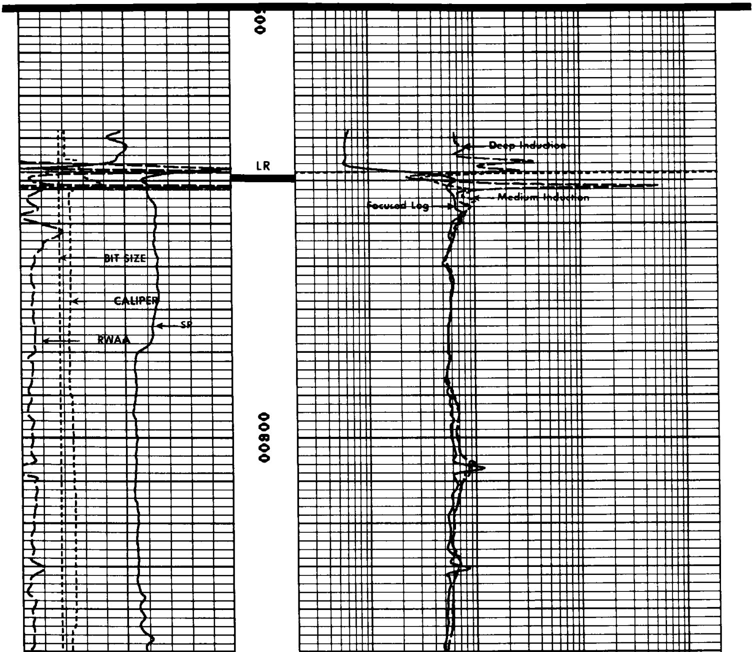
SP(MV)
0 100

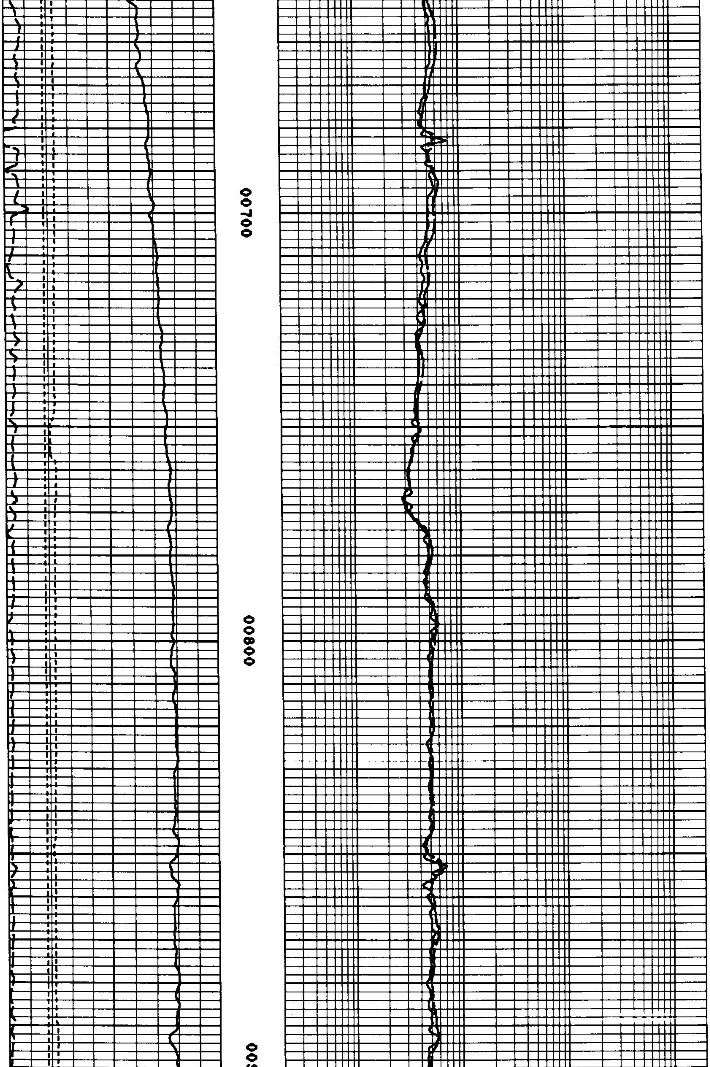
RILD(OHMM)
0.2 2000

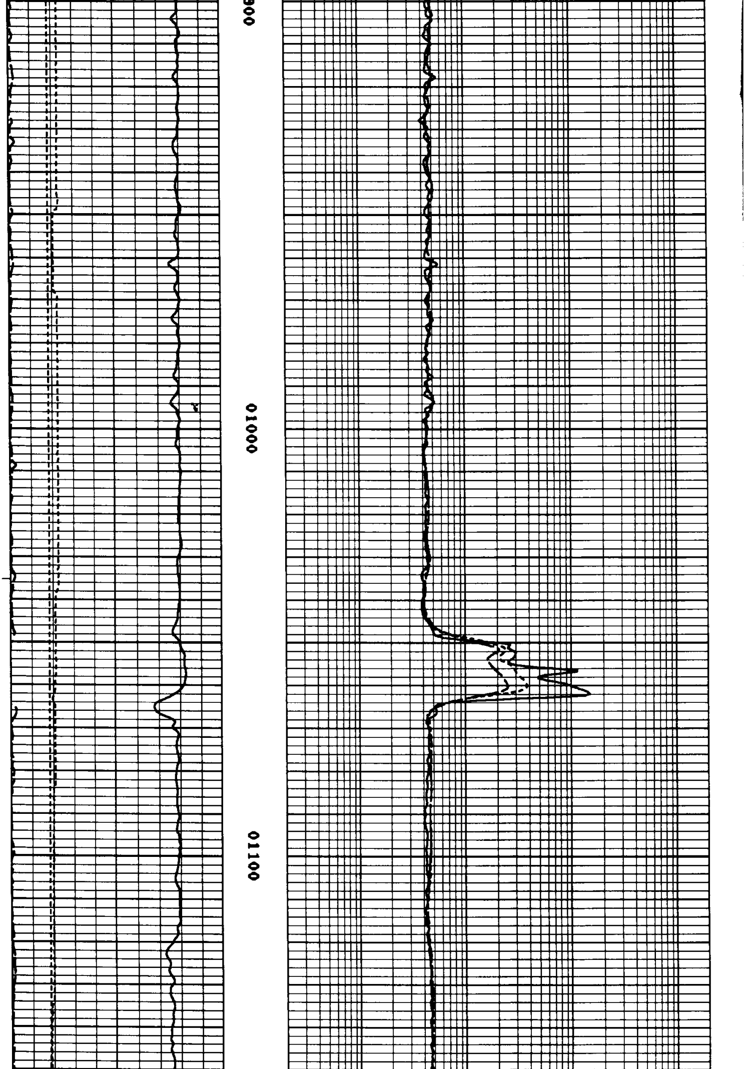
RILM(OHMM)
0.2 2000

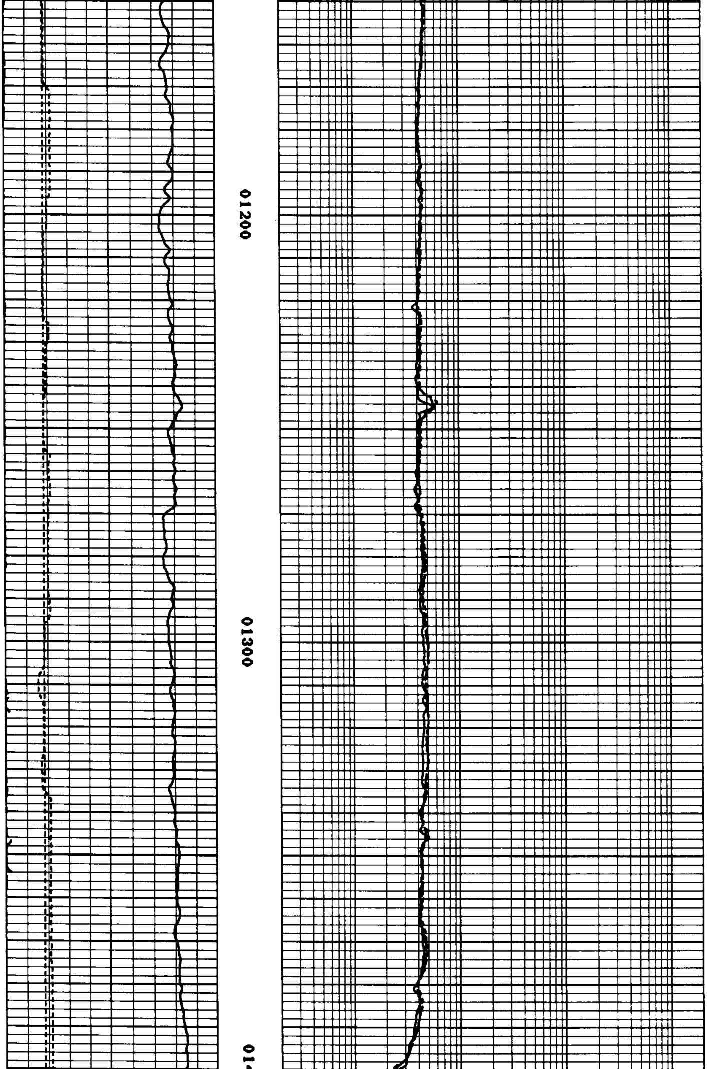
RFOC(OHMM)
0.2 2000

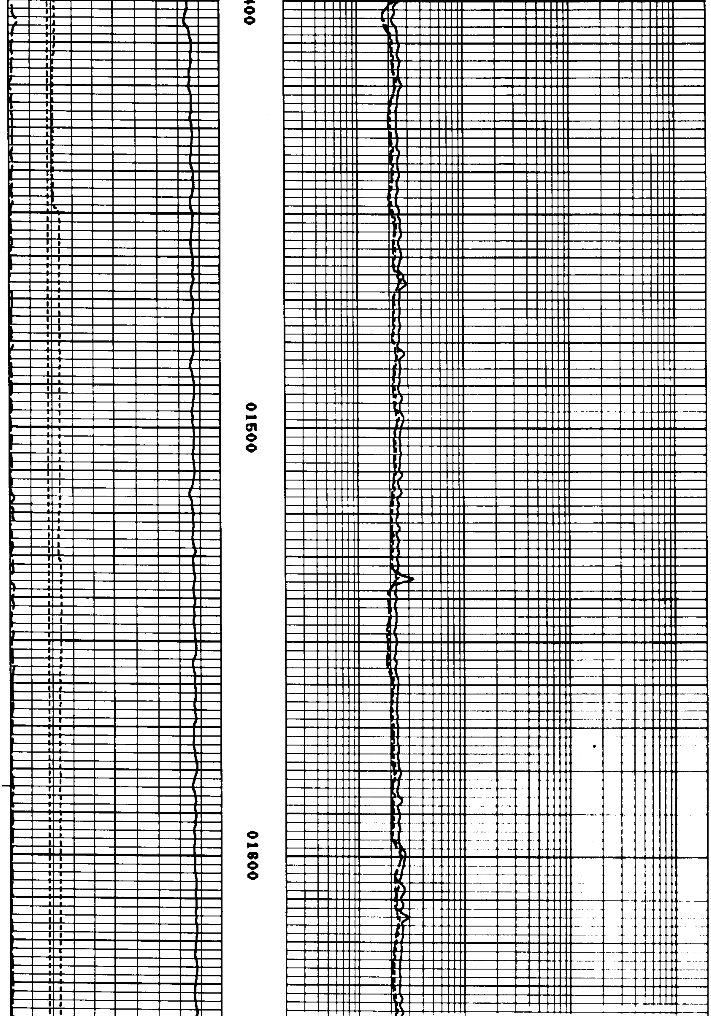
TEN(LBS)
5000 0

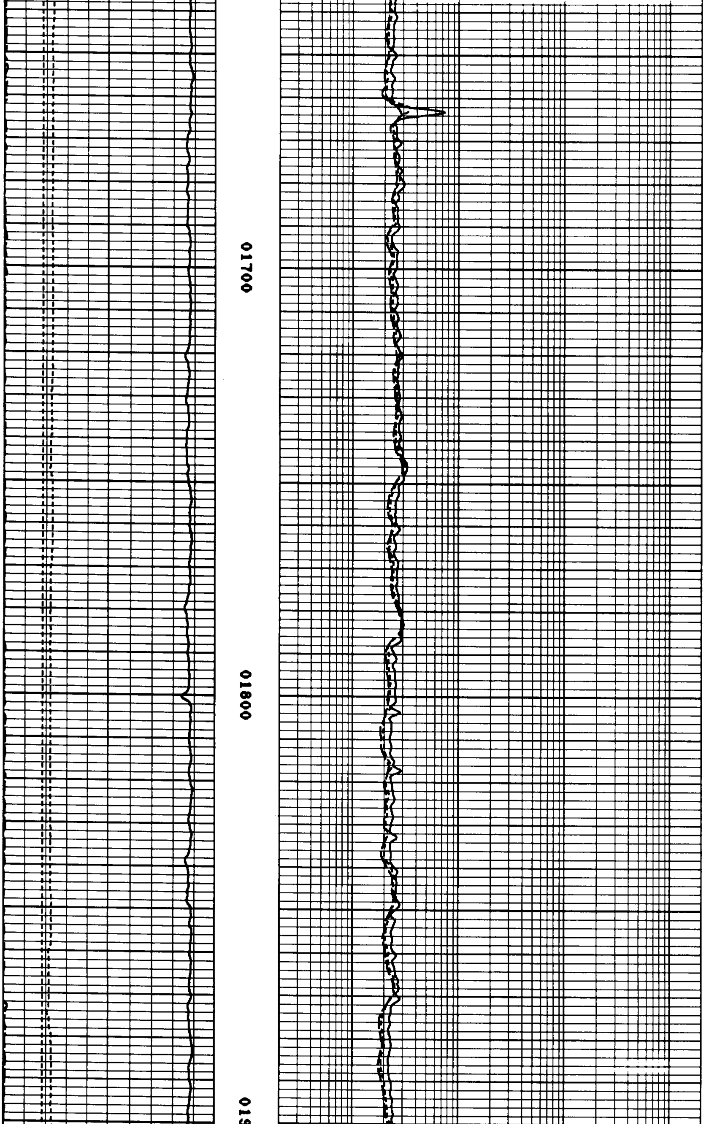


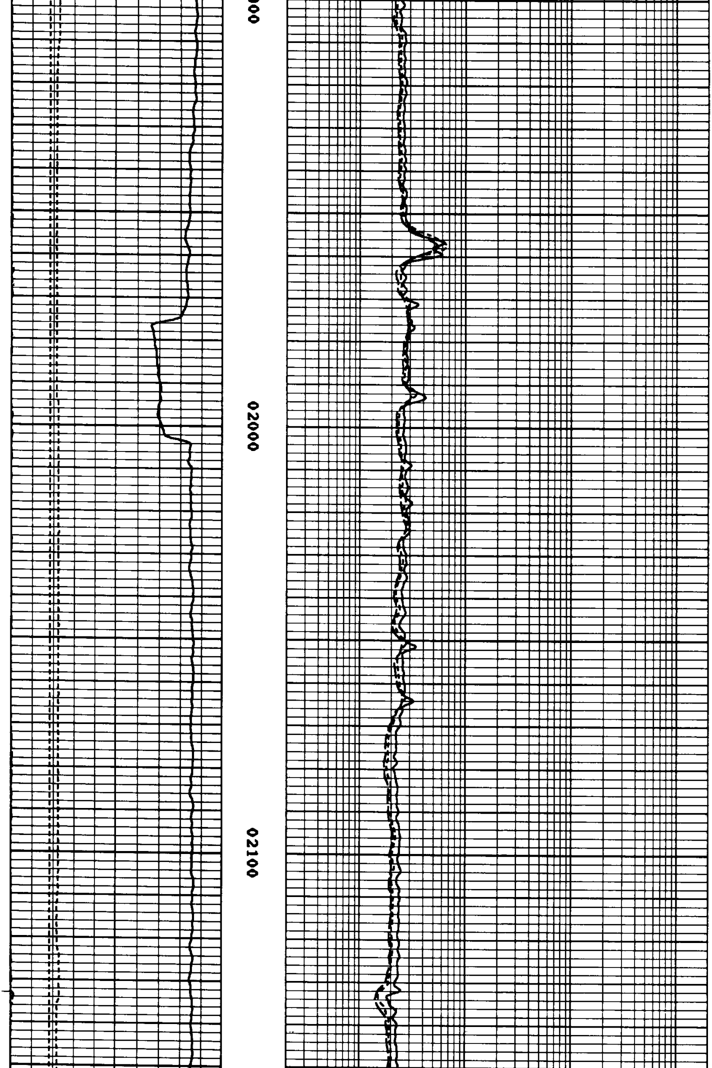


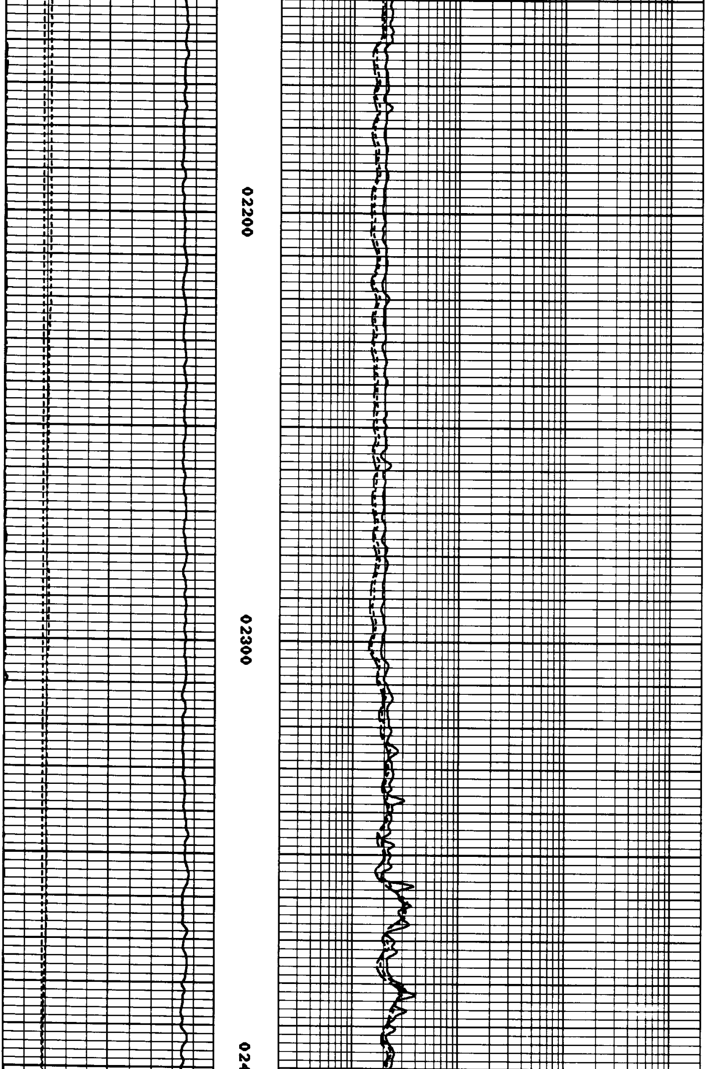


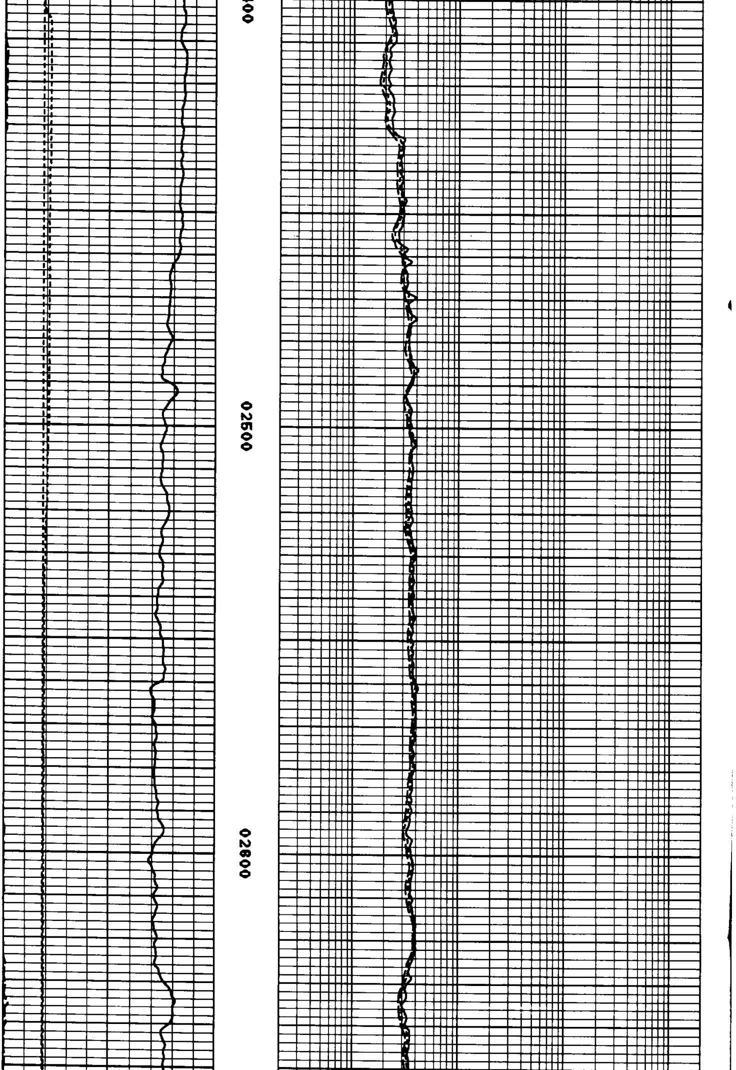


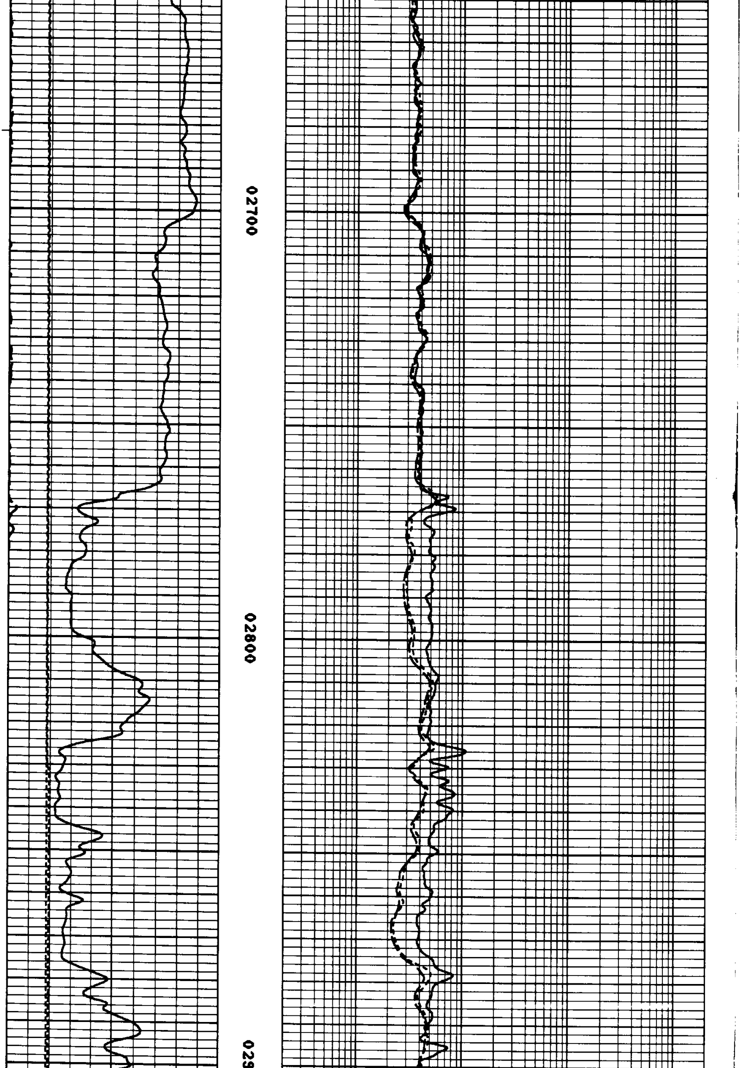


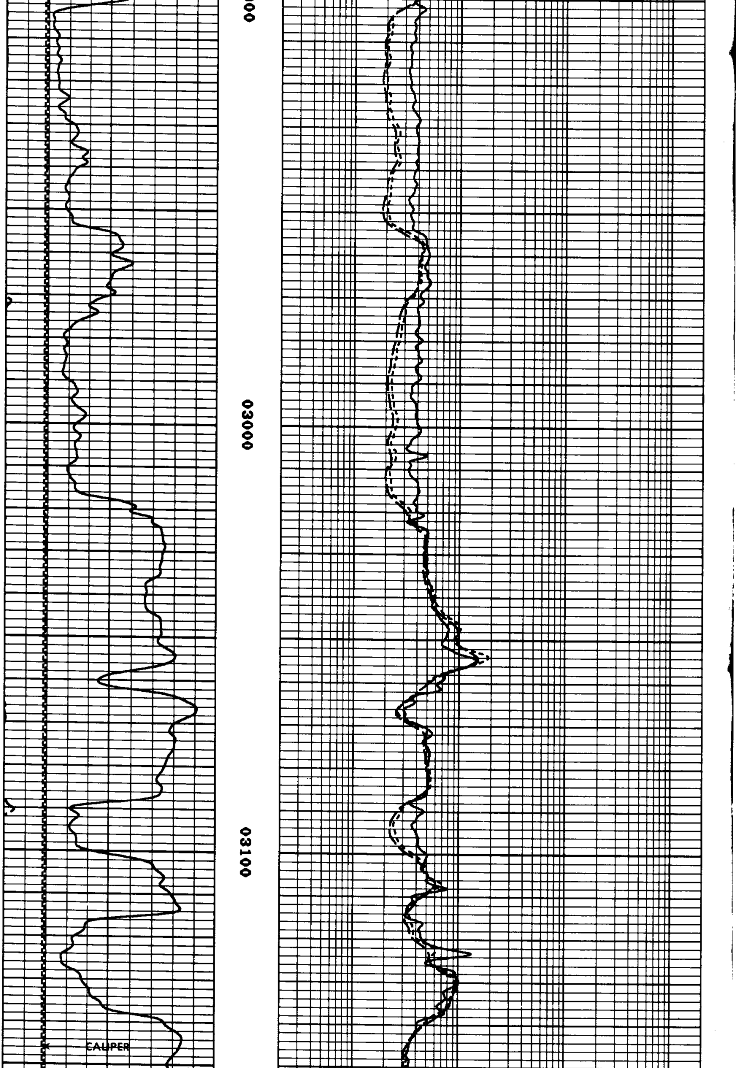


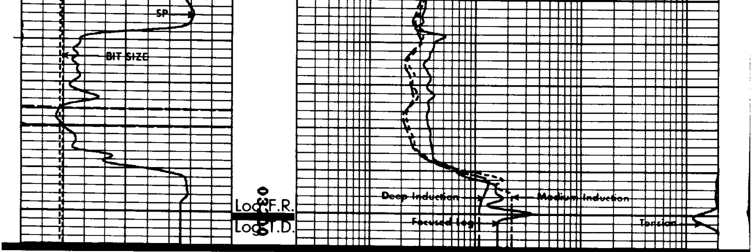












BIT
6 16

RWAA(OHMM)
0 9

CAL(INCH)
6 16

SP(MV)
0 100

RILD(OHMM)
0.2 2000

RILM(OHMM)
0.2 2000

RFOC(OHMM)
0.2 2000

TEN(LBS)
5000 0

COMPANY: OREGON NATURAL GAS CORP.

WELL NAME: OM 14 A-3

SERVICE: [illegible] FILE: 3 DATE: 01 11 87

REVISION: FS:SAL ON3 D007 VER 7

RUN: 1

TRIP: 1

TIME: 07:30:48

MODE: RECORD

REPEAT SECTION

TT(MS)
20 0

BIT
6 16

VOL(CUFT)
0 20

CAL(INCH)
6 16

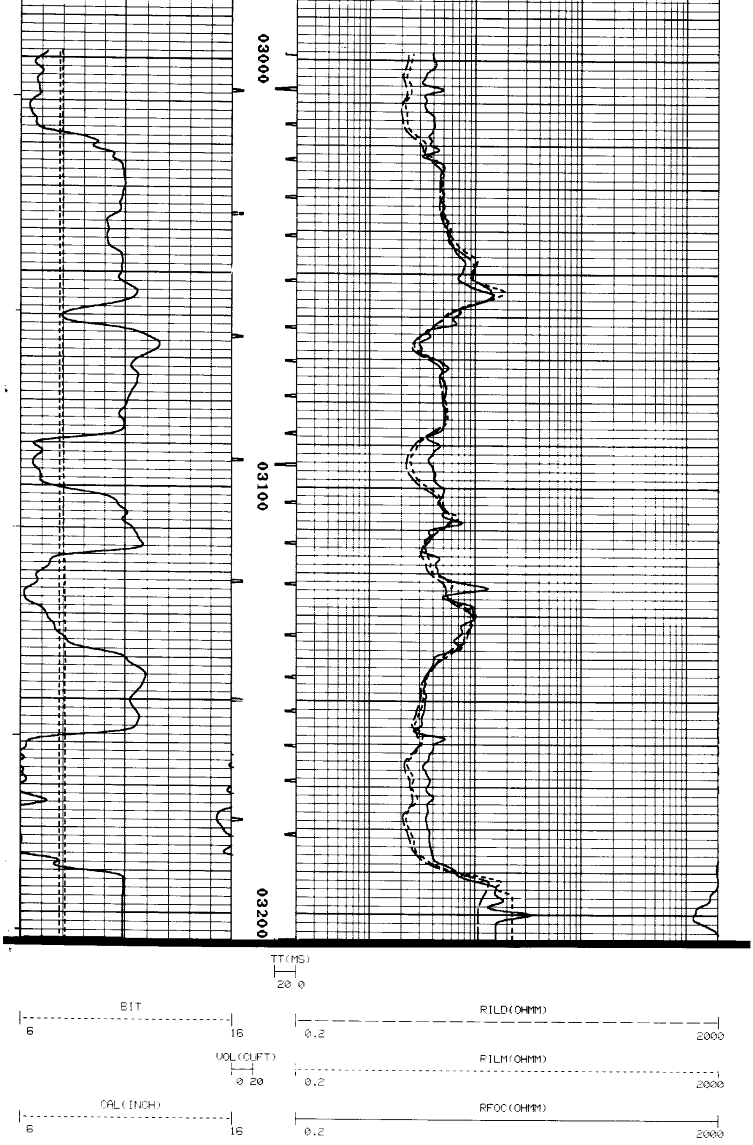
SP(MV)
0 100

RILD(OHMM)
0.2 2000

RILM(OHMM)
0.2 2000

RFOC(OHMM)
0.2 2000

TEN(LBS)
5000 0



SP(MV)
0 100

TEN(LBS)
5000 0

```
******************************************
*                                        *
*  CALIBRATION/VERIFICATION SUMMARIES    *
*  DATE 01/11/87          TIME 08:24:30  *
*  RUN   1                TRIP 1         *
*                                        *
******************************************


     LOG NAME DIFL    ASSET NO. 72831     UNIT NO. HL 6406
   CALIBRATION ENTERED ON 01/11/87 AT 06:52:00

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

       DATE 12/10/86          CALIBRATION           TIME 11:06:36

 CILD       3.5    486.3   -1.873     2.0164       1.000      500.000 MMHO
 CILM      -1.4    536.9    2.167     2.0926       1.000      500.000 MMHO
 CFOC       5.3    517.3   -4.154     2.3781       1.000      500.000 MMHO

       DATE 12/10/86     PRIMARY VERIFICATION       TIME 11:07:38

 CILD      -0.5    489.5   -1.873     2.0164      -2.296      503.190 MMHO
 CILM      -0.7    545.8    2.167     2.0926       1.573      508.934 MMHO
 CFOC       6.0    523.4   -4.154     2.3781       1.669      505.946 MMHO

       DATE 01/11/87    BEFORE LOG VERIFICATION     TIME 07:05:58

 CILD       0.1    491.1   -1.873     2.0164      -1.798      505.238 MMHO
 CILM      -0.3    545.0    2.167     2.0926       1.934      508.144 MMHO
 CFOC       6.3    508.9   -4.154     2.3781       1.981      491.855 MMHO

       DATE 01/11/87     AFTER LOG VERIFICATION     TIME 08:20:09

 CILD       0.2    497.1   -1.873     2.0164      -1.706      512.670 MMHO
 CILM      -0.3    550.7    2.167     2.0926       1.920      513.796 MMHO
 CFOC       6.4    503.2   -4.154     2.3781       2.040      486.267 MMHO

              *** GR    NOT CALIBRATED ***


     LOG NAME CAL     ASSET NO. 57674     UNIT NO. HL 6406
   CALIBRATION ENTERED ON 01/11/87 AT 06:52:50

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

       DATE 10/09/86          CALIBRATION           TIME 02:46:38

 CAL     2608.6   6533.1    2.012     0.0117       6.000       12.000 INCH

                        PRIMARY VERIFICATION             NOT DONE

       DATE 01/11/87    BEFORE LOG VERIFICATION     TIME 07:08:52

 CAL        E     3878.5    2.012     0.0117       E            7.942 INCH

       DATE 01/11/87     AFTER LOG VERIFICATION     TIME 08:17:38

 CAL        E     4022.4    2.012     0.0117       E            8.161 INCH
```

Dresser Atlas DRESSER