FORM 925179 Rev. (04/81)

CONFIDENTIAL

DresserAtlas

DRESSER

Caliper Log

FILE NO.

API NO.

5" = 100'

COMPANY GEO OPERATOR CORPORATION

WELL #N-3

FIELD NEWBERRY

COUNTY DESCHUTES **STATE** OREGON

LOCATION: 4100' N. & 500' E. OF
S.W. CORNER OF:

SEC 24 TWP 20S RGE 12E

Other Services
TEMP
CDLC/CN/GR
AC/FRAC
NEUTRON

Permanent Datum GL Elev. 5760'
Log Measured from GL, 0 Ft. Above Permanent Datum
Drilling Measured from GL

Elev.
KB –
DF –
GL 5760'

Date	7-28-86			
Run No.	ONE			
Service Order	111223			
Depth — Driller	4002'			
Depth — Logger	4000'			
Bottom Logged Interval	3999'			
Top Logged Interval	1690'			
Casing — Driller	3.065" @ 1702'	@	@	@
Casing — Logger	–			
Bit Size	2.98"			
Type Fluid in Hole	MUD			
Density and Viscosity	–			
pH and Fluid Loss	– cc	cc	cc	cc
Source of Sample	–			
Rm @ Meas. Temp.	– @ °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	– @ °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	– @ °F	@ °F	@ °F	@ °F
Source of Rmf and Rmc	–			
Rm @ BHT	– @ °F	@ °F	@ °F	@ °F
Time Since Circ.	6 HRS.			
Max. Rec. Temp. Deg. F.	126 °F	°F	°F	°F
Equip. No. and Location	6406 SAC.			
Recorded By:	B. WELCH			
Witnessed By:	MR. SWANBERG			

FOLD HERE

In making interpretations of logs our employees will give Customer the benefit of their best judgment, but since all interpretations are opinions based on inferences from electrical or other measurements, we cannot, and we do not guarantee the accuracy or the 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: BIT SIZE ABOVE 1844' IS 3.78".
BIT SIZE BELOW 1844' IS 2.98".

MAX. RECORDING OF THERMOMETERS: 128°F.
128°F.

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION
1	1	CAL	5449	2110	CENT

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COMPANY:    GEO OPERATOR                                   RUN: 1

WELL NAME:  N-3                                            TRIP: 1

SERVICE:    KC442A          FILE:  5        DATE:  7/28/86    TIME:  23:55:13

REVISION:   FSYSAL REV D007 VER 7                          MODE: PLAYBACK
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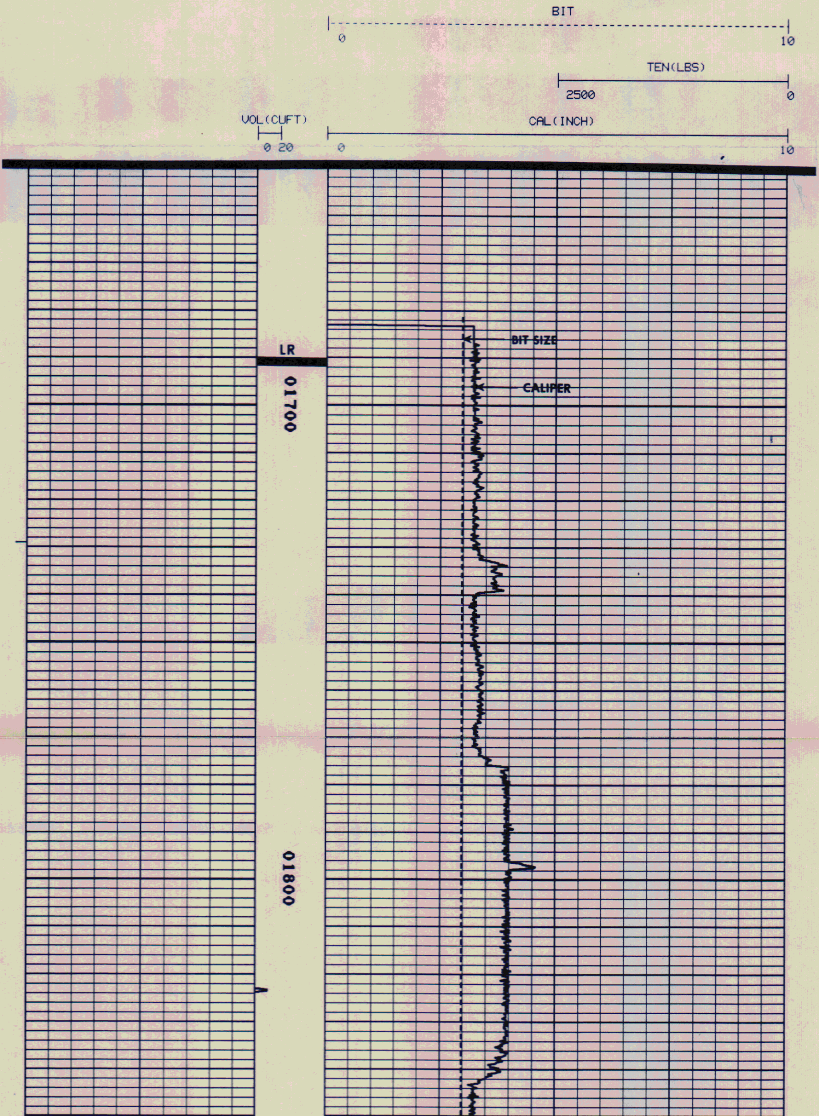
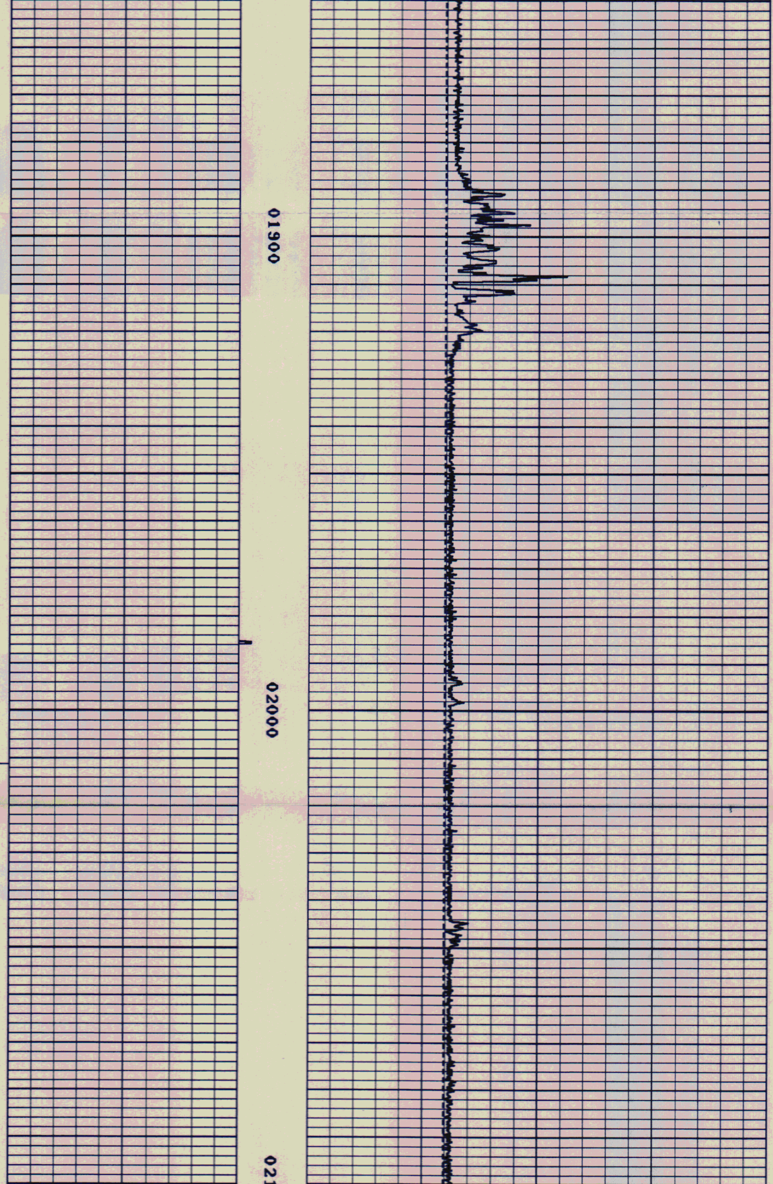
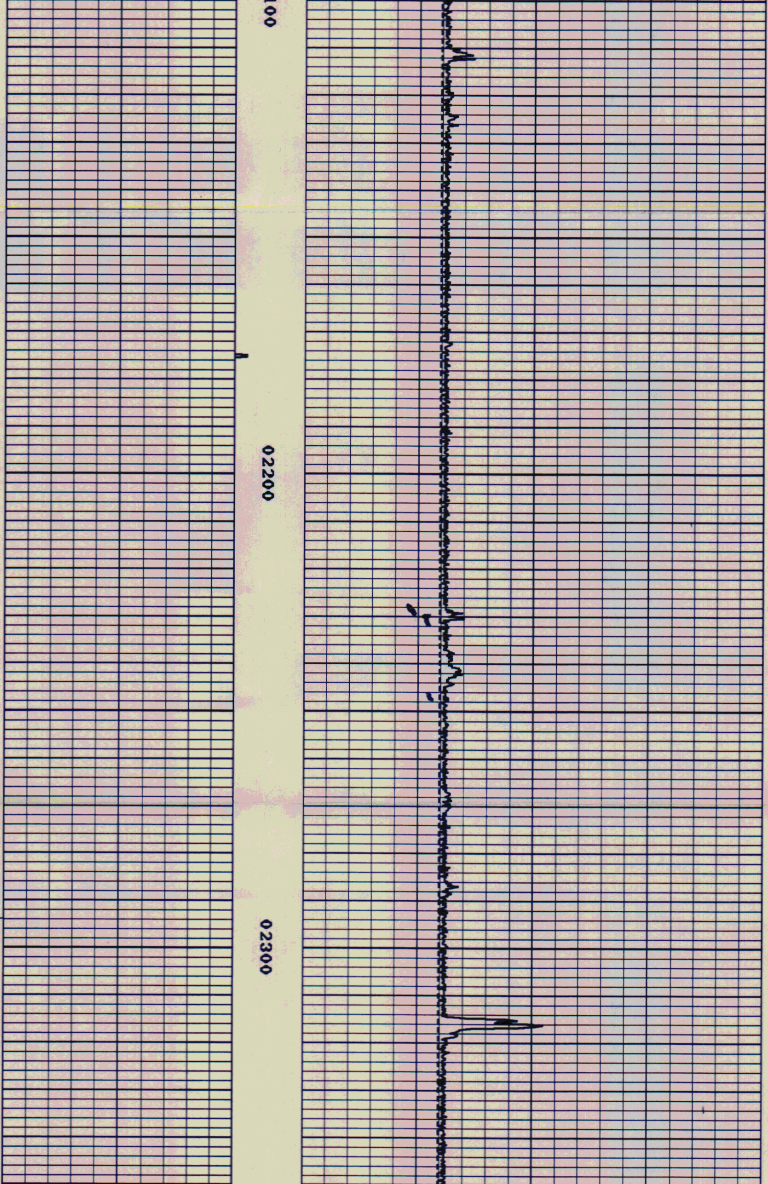
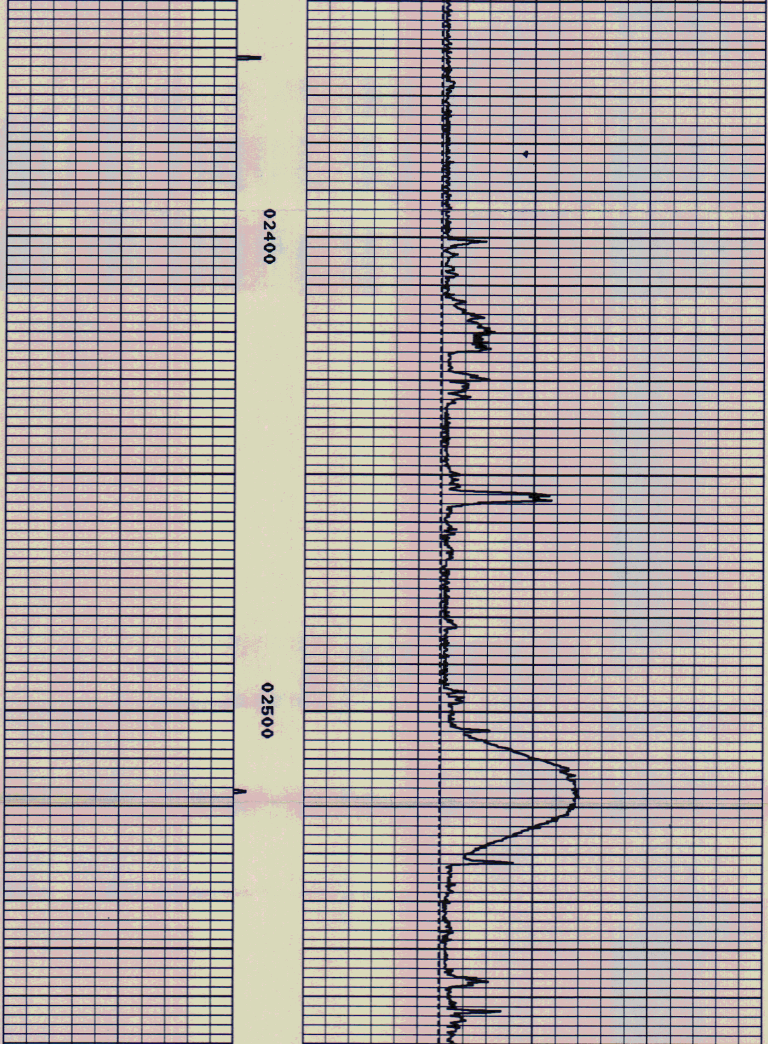
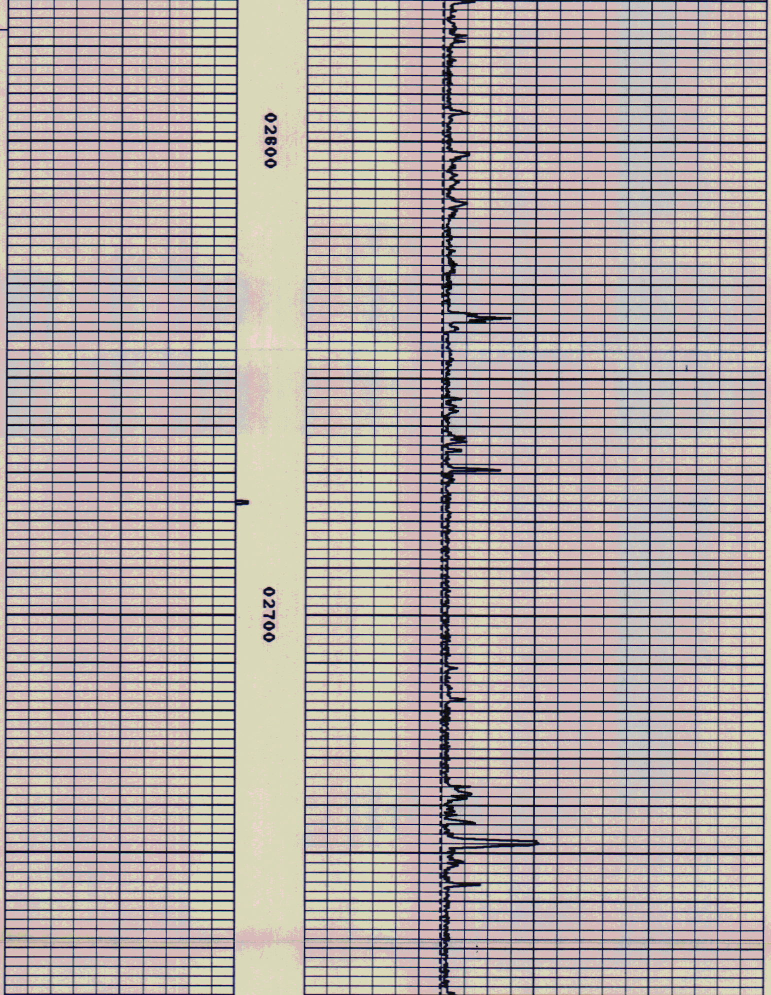
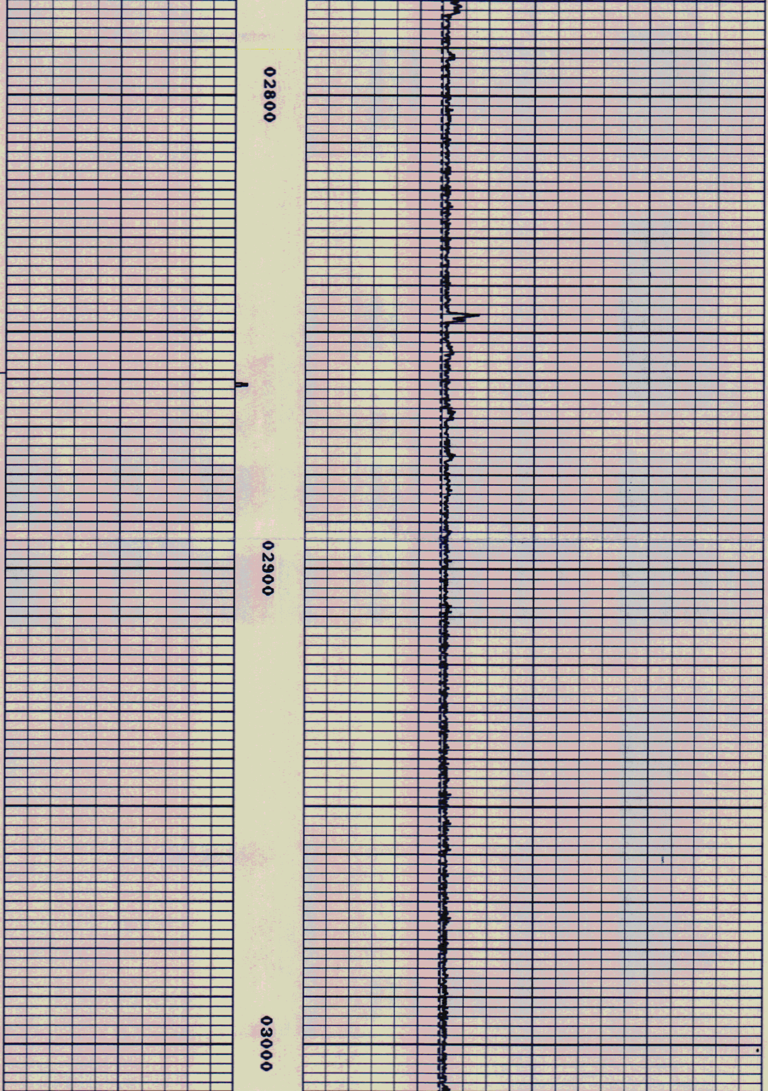


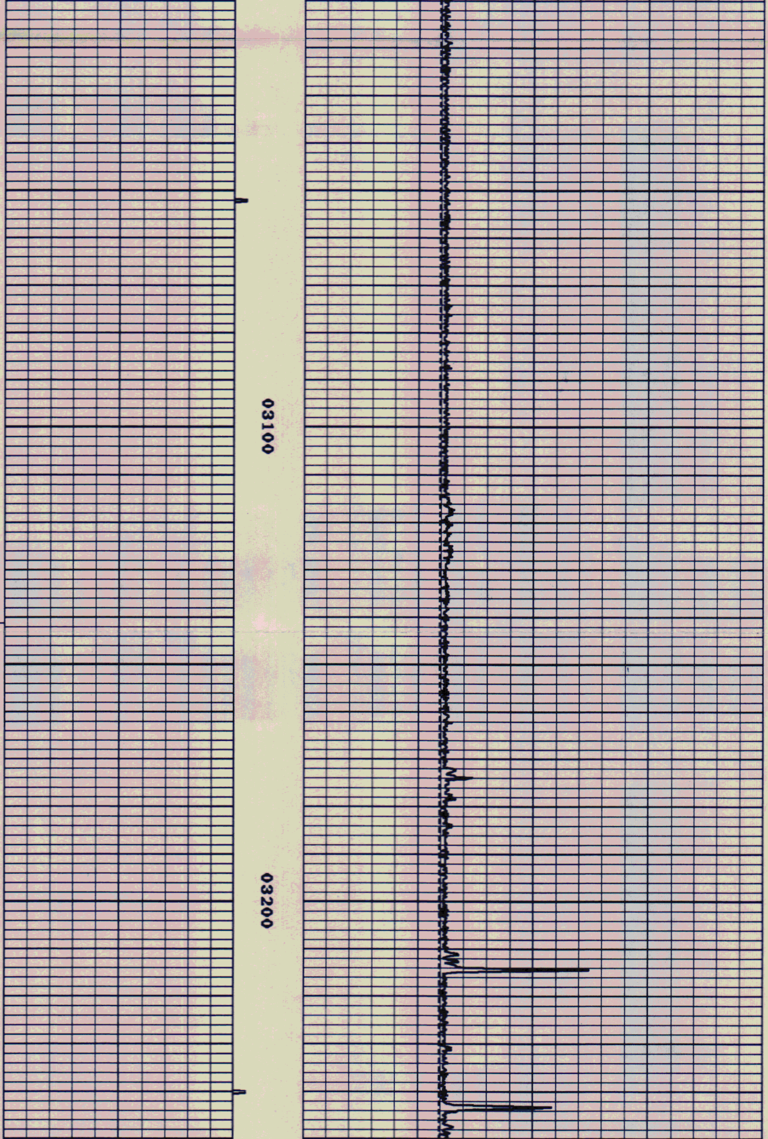


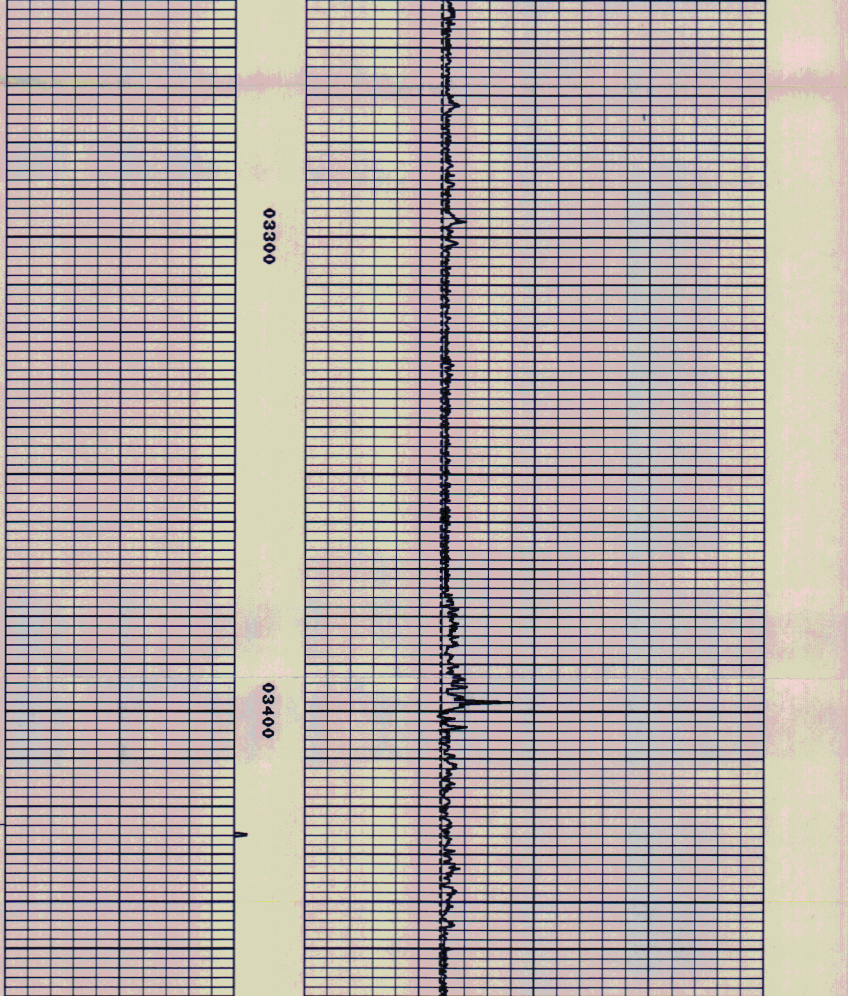


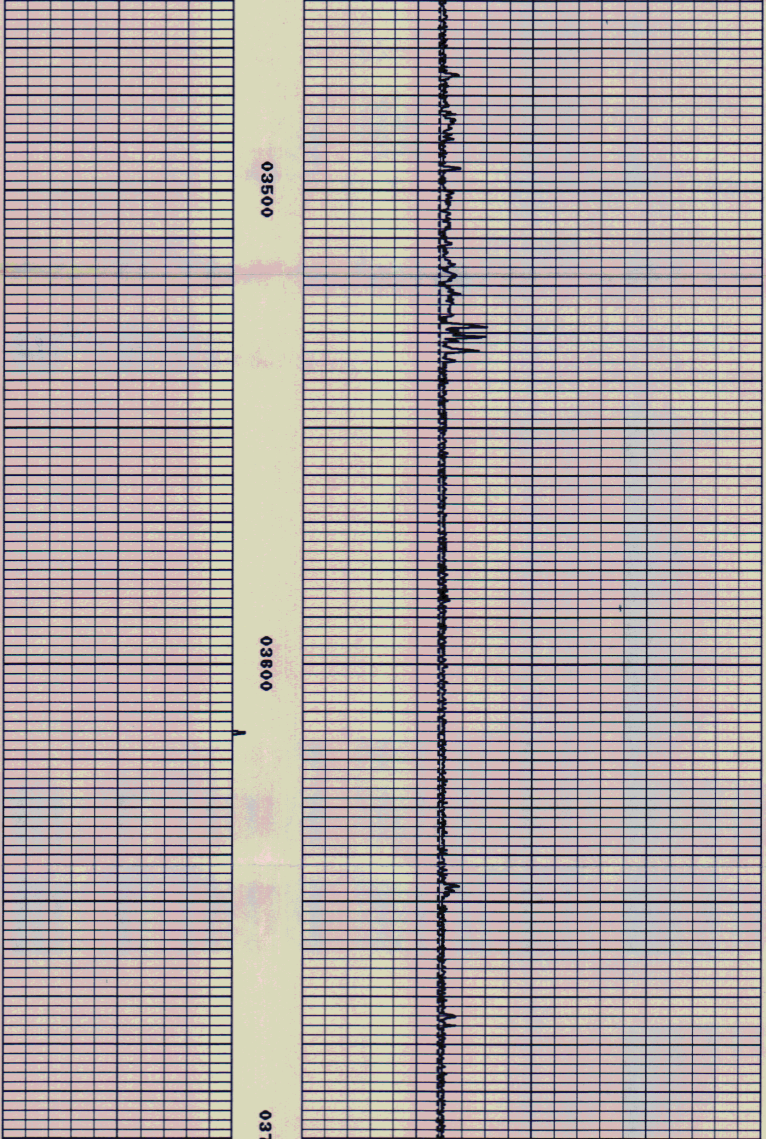


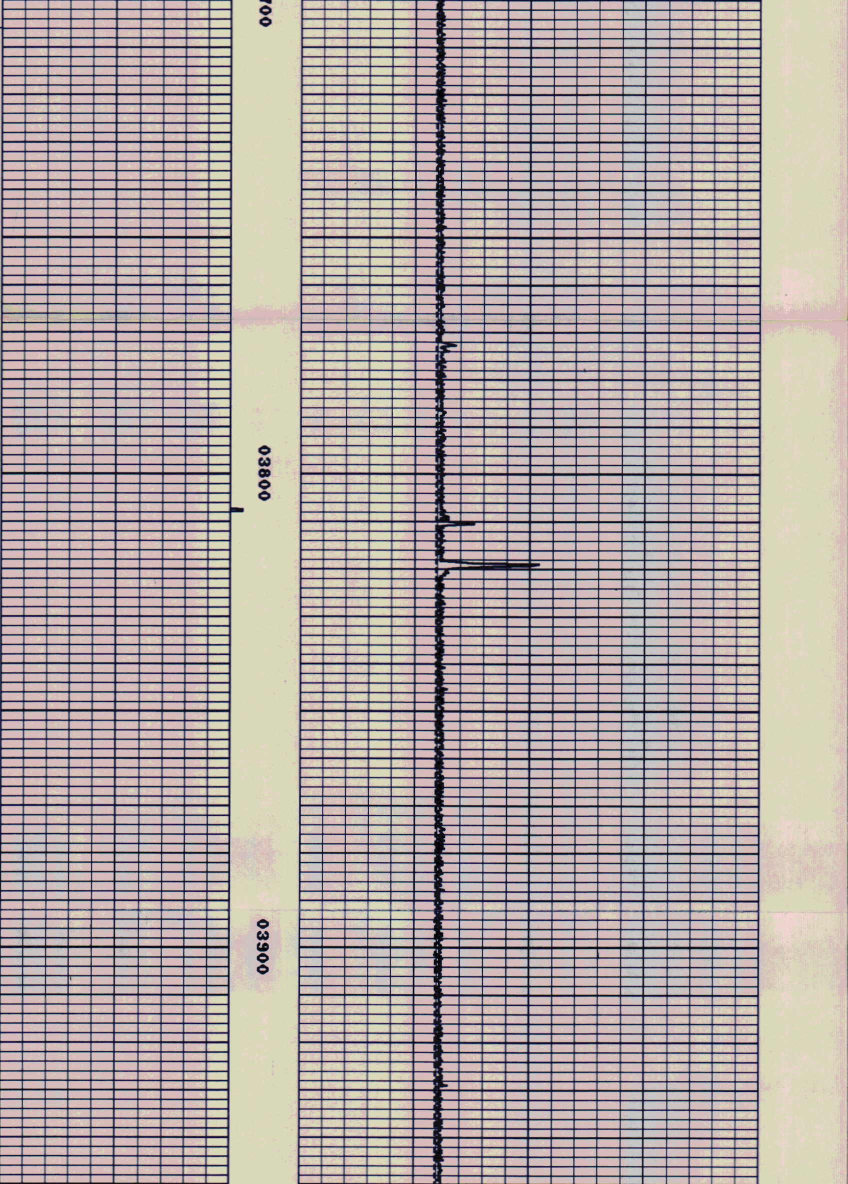


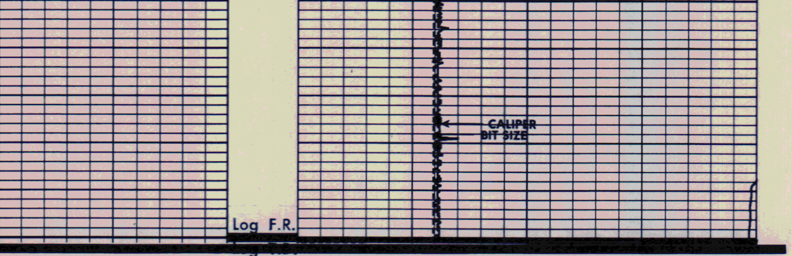












BIT
0 10

TEN(LBS)
2500 0

VOL(CUFT) CAL(INCH)
0 20 0 10

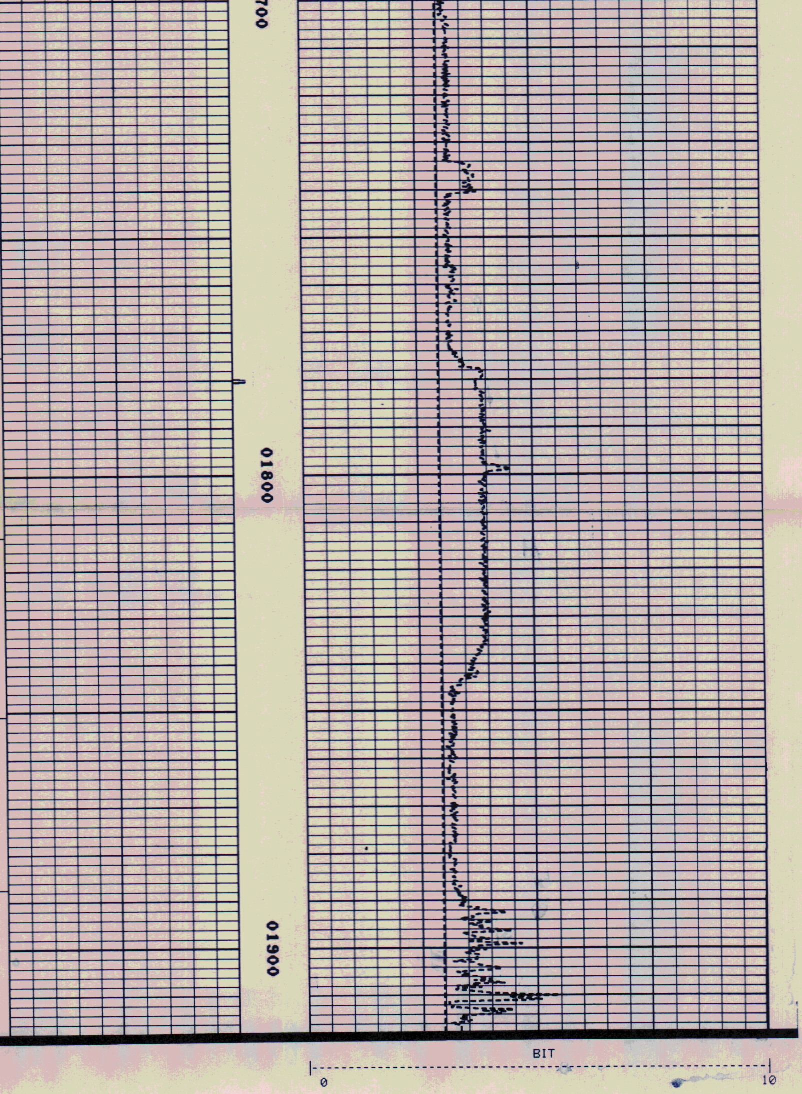
COMPANY: GEO OPERATOR RUN: 1
WELL NAME: N-3 TRIP: 1
SERVICE: KC442A FILE: 3 DATE: 07/28/86 TIME: 23:34:11
REVISION: FSYSAL REV D007 VER 5 MODE: RECORD

REPEAT SECTION

BIT
0 10

TEN(LBS)
5000 0

VOL(CUFT) CAL(INCH)
0 20 0 10



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                                                                        TEN(LBS)
                                                         |---------------------------------|
                                                          5000                              0

                           VOL(CUFT)                                    CAL(INCH)
                           |--|        |-------------------------------------------------------|
                              0 20       0                                                      10

        *                                 *
        *  CALIBRATION/VERIFICATION SUMMARIES  *
        *  DATE 07/29/86          TIME 01:17:16  *
        *  RUN  1                 TRIP 1         *
        *                                        *
        ******************************************


       LOG NAME CAL     ASSET NO. 5449      UNIT NO. HL6406
    CALIBRATION ENTERED ON 07/28/86 AT 23:09:37

  CURVE    COUNTS/SEC.    SCALING FACTORS    ENGINEERING VALUES   UNITS
            LOW    HIGH    ADD.     MULT.       LOW        HIGH
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      DATE 07/24/86          CALIBRATION          TIME 13:36:27

  CAL      414.0   523.0  -13.193    0.0367       2.000        6.000 INCH

                          PRIMARY VERIFICATION               NOT DONE

      DATE 07/28/86    BEFORE LOG VERIFICATION    TIME 23:15:06

  CAL      413.0   522.0  -13.193    0.0367       1.963        5.963 INCH

      DATE 07/29/86     AFTER LOG VERIFICATION    TIME 01:15:57

  CAL      413.0   522.8  -13.193    0.0367       1.963        5.994 INCH
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Dresser Atlas DRESSER