GL04428_18

PETROLEUM INFORMATION

MIDLAND, TEXAS 79701

REFERENCE **D** 9057G

15 API NO. . . . .

REPRODUCTION FOR RESALE IN WHOLE OR PART PROHIBITED

Dresser Atlas

DRESSER

NEUTRON

FILE NO.

API NO.

2" = 100'

COMPANY GEO OPERATOR CORPORATION

WELL #N-3

FIELD NEWBERRY

COUNTY DESCHUTES STATE OREGON

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

SEC. 24 TWP. 20S RGE. 12E

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

Permanent Datum GL Elev. 5760'

Log Measured From GL 0 Ft. Above Permanent Datum

Drilling Measured From GL

Elev. KB — DF — GL 5760'

Date	7-29-86
Run No.	ONE
Service Order	111223
Depth — Driller	4002'
Depth — Logger	4002'
Bottom Logged Interval	4000'
Top Logged Interval	50'
Casing — Driller	3.065" 1702'
Casing — Logger	1702'
Bit Size	2.98"
Type Fluid in Hole	WATER
Density and Viscosity	—
pH and Fluid Loss	—
Source of Sample	—
Rm @ Meas. Temp.	— °F
Rmf @ Meas. Temp.	— °F
Rmc @ Meas. Temp.	— °F
Source of Rmf and Rmc	—
Rm @ BHT	— °F
Time Since Circ.	16 HRS.
Max. Rec. Temp. Deg. F	130 °F
Equip. No. and Location	6406 | SAC.
Recorded By	B. WELCH
Witnessed By	N.L. SWANBERG

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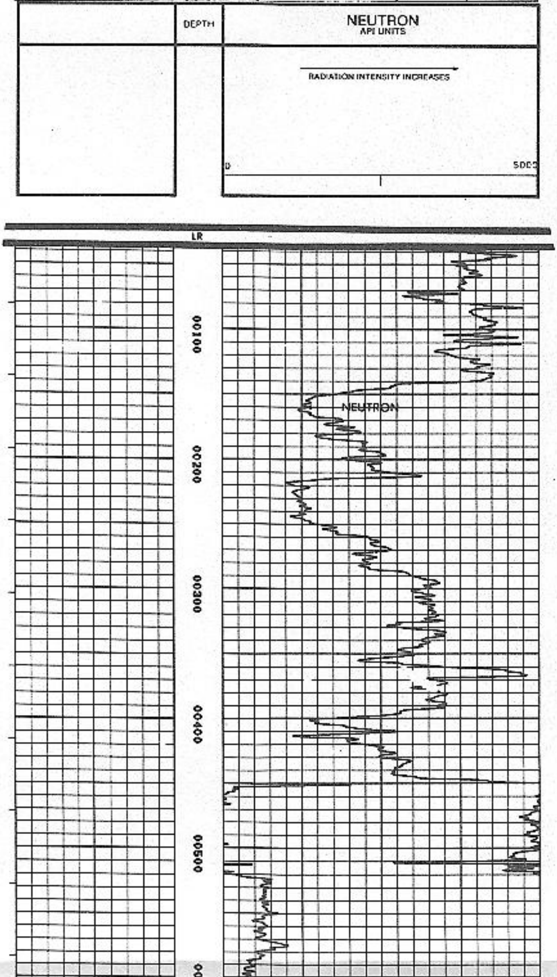
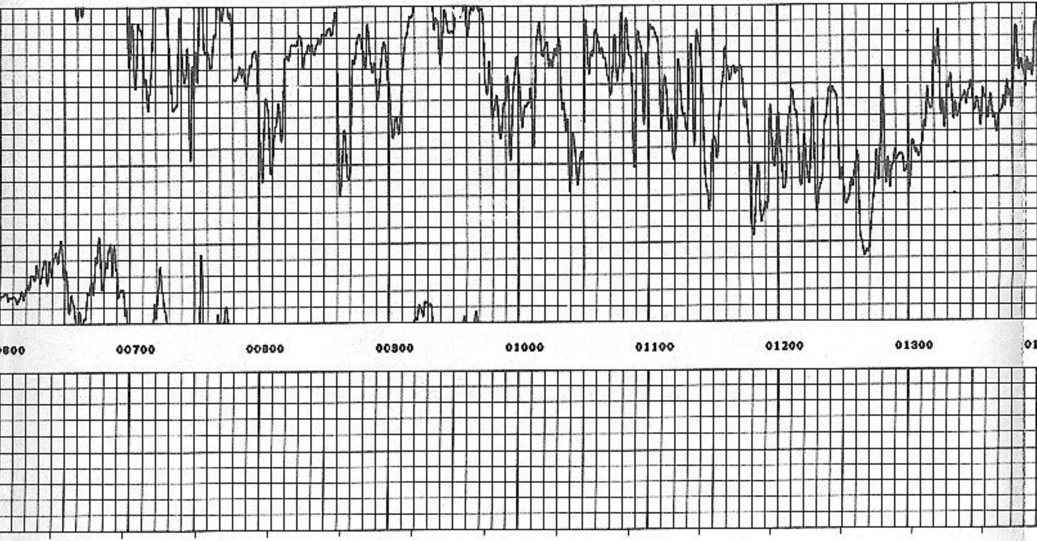
IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL 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.

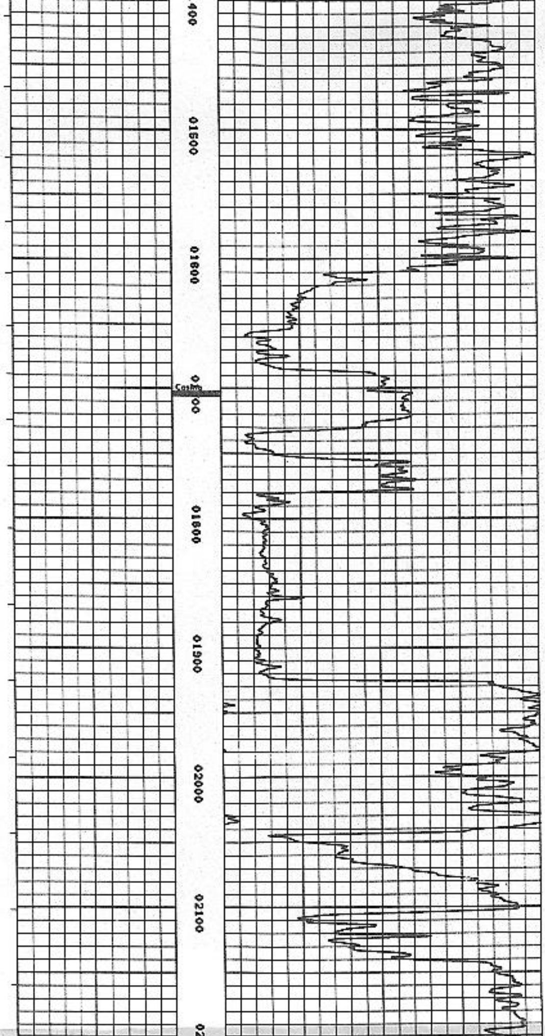
REMARKS RUN (1)

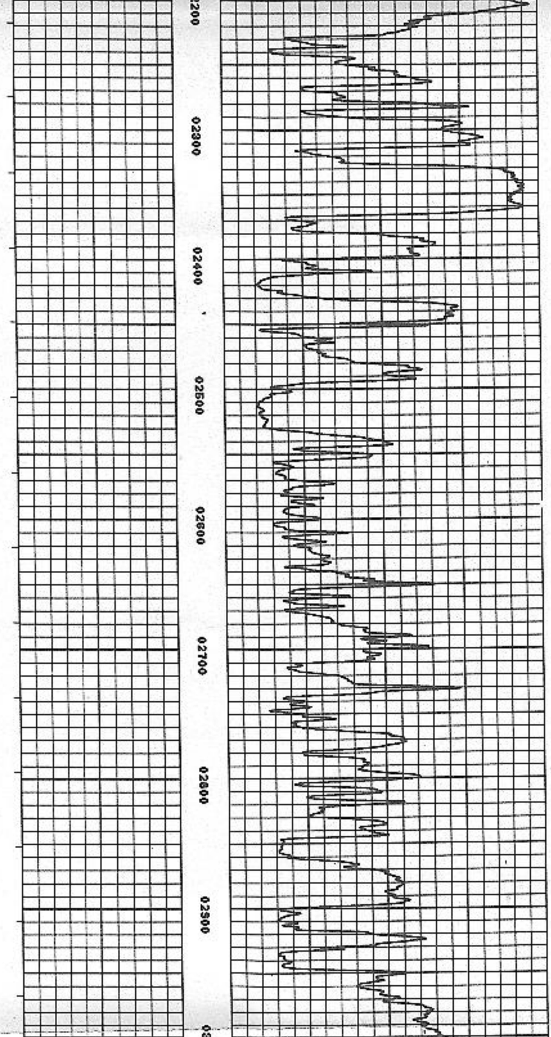
MAXIUM RECORDING THERMOMETERS:
130
130

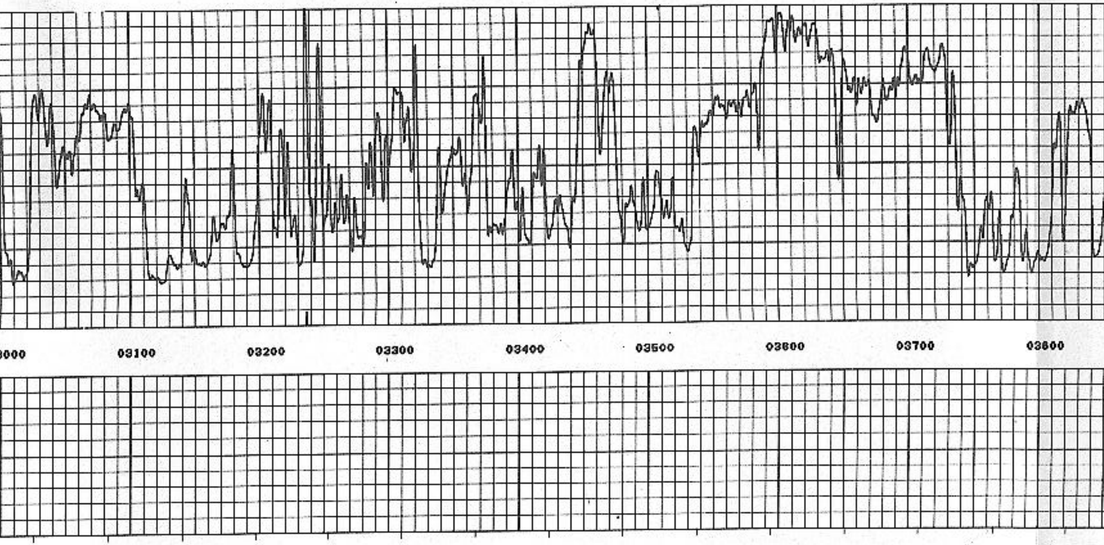
EQUIPMENT DATA			
	RUN NO 1	RUN NO 2	RUN NO 3
	Neutron	Neutron	Neutron
Tool Series No	2404		
Serial No	64037		

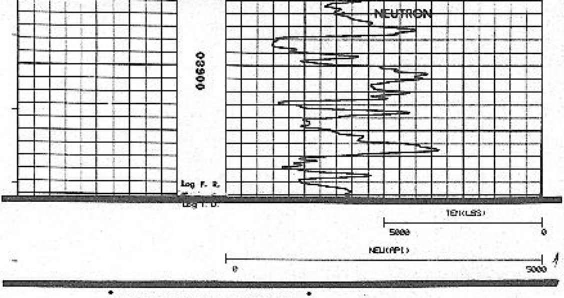












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*                                        *
*  CALIBRATION/VERIFICATION SUMMARIES    *
*  DATE 07/29/86          TIME 09:40:34  *
*  RUN  1                 TRIP 1         *
*                                        *
******************************************


    LOG NAME NEU    ASSET NO. 64037    UNIT NO. HL 6406
  CALIBRATION ENTERED ON 07/29/86 AT 09:20:42

CURVE   COUNTS/SEC.    SCALING FACTORS    ENGINEERING VALUES   UNITS
         LOW    HIGH   ADD.     MULT.        LOW        HIGH
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      DATE 07/24/86        CALIBRATION          TIME 10:08:12

NEU      53.4   255.9   0.000    4.7533   . 0.000    820.000 API
                     PRIMARY VERIFICATION             NOT DONE
      DATE 07/29/86   BEFORE LOG VERIFICATION   TIME 08:30:51

NEU      65.9   68.0    0.000    4.7533   313.228    313.838 API
      DATE 07/29/86   AFTFP LOG VERIFICATION    TIME 09:38:52

NEU      66.0   65.9    0.000    4.7533   313.716    313.472 API
```

Dresser Atlas DRESSER

Dresser Atlas DRESSER

NEUTRON

FILE NO

API NO

5" = 100'

COMPANY GEO OPERATOR CORPORATION

WELL 4N-3

FIELD NEWBERRY

COUNTY DESCHUTES STATE OREGON

LOCATION: 4300' N. & 500' E. OF THE S.W. CORNER OF:

SEC 24 TWP 20S RGE 12E

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

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

Elev.
KB -
DF -
GL 5760'

Date	7-20-86			
Run No.	ONE			
Service Order	111223			
Depth - Driller	4002'			
Depth - Logger	4002'			
Bottom Logged Interval	4000'			
Top Logged Interval	50'			
Casing - Driller	3.065 @ 1702'	@	@	@
Casing - Logger	1702'			
Bit Size	2.98"			
Type Fluid in Hole	WATER			
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.	16 HRS.			
Max. Rec. Temp. Deg. F	130 °F	°F	°F	°F
Equip. No. and Location	6406 SAC.			
Recorded By	B. WELCH			
Witnessed By	MR. SWANBERG			

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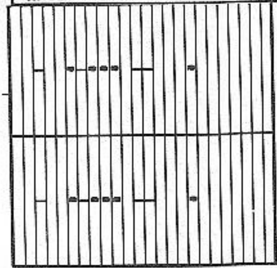

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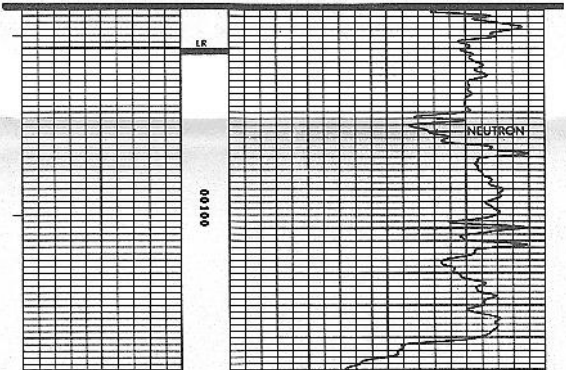
REMARKS RUN (1)

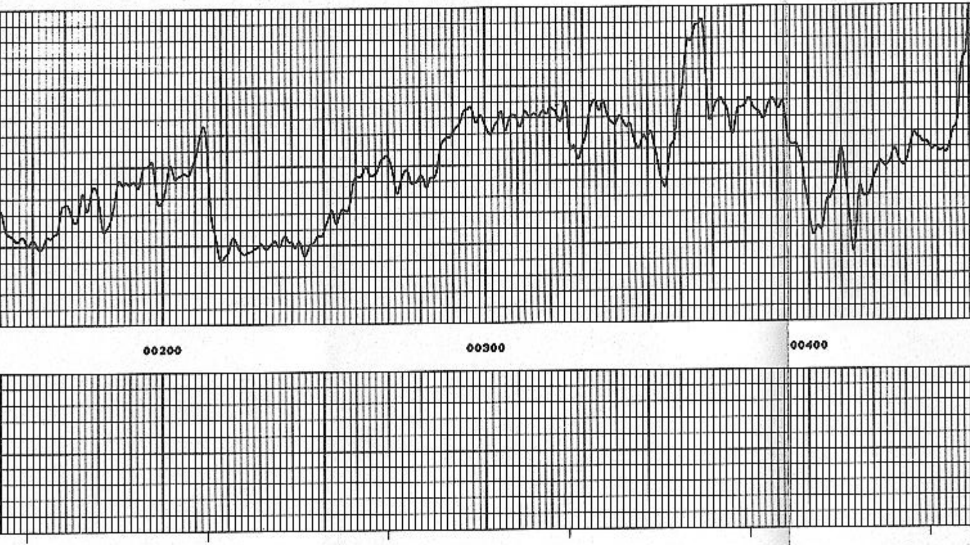
MAXIUM RECORDING THERMOMETERS:
130
130

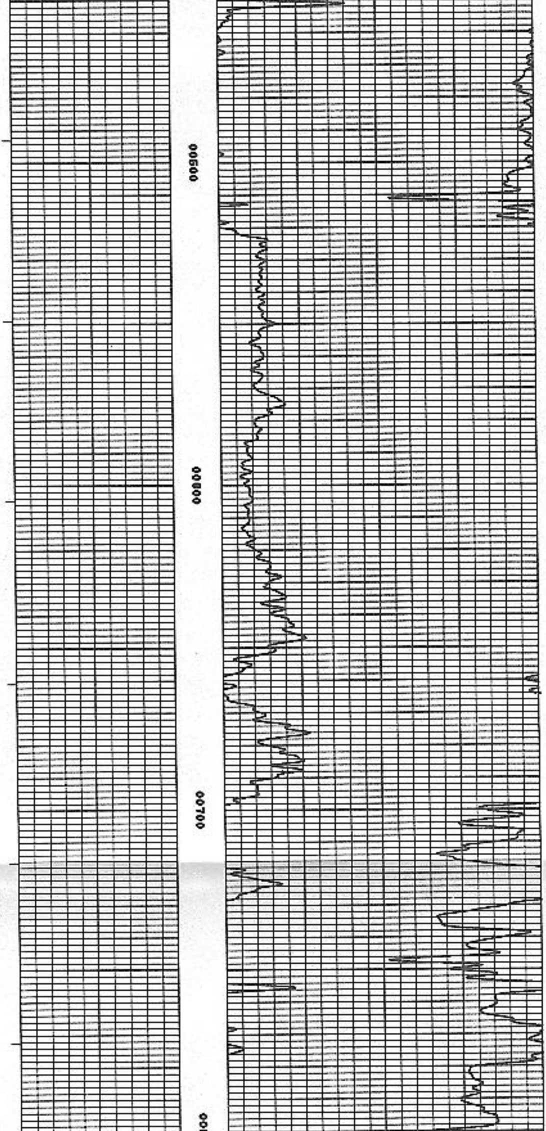
EQUIPMENT DATA

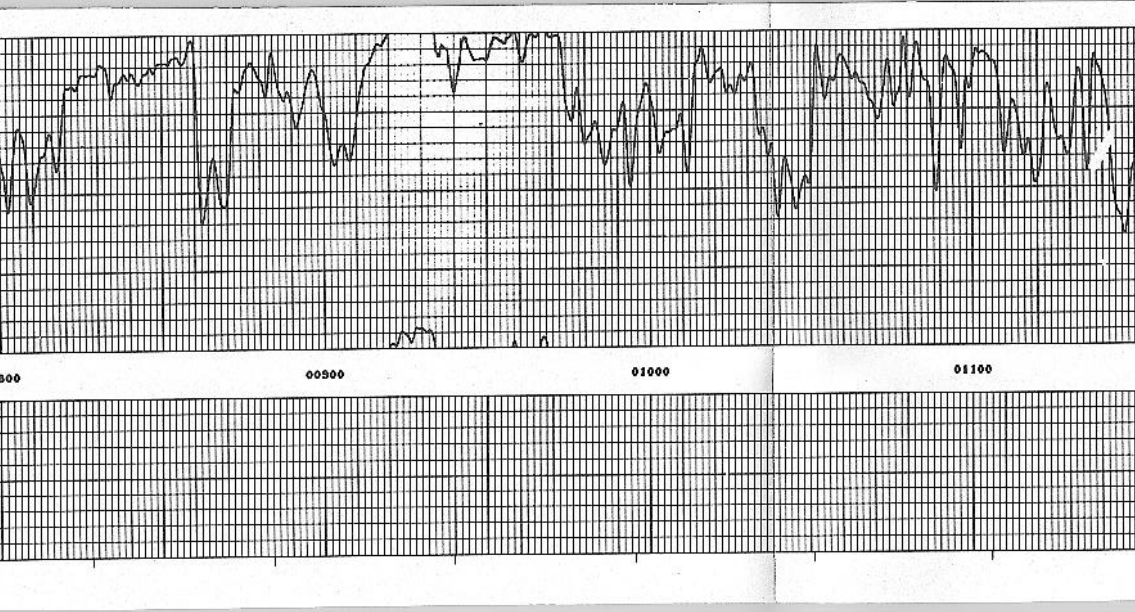
	RUN NO. 1		RUN NO. 2		RUN NO. 3	
		Neutron		Neutron		Neutron
Tool Series No.		2424				
Serial No.		[illegible]				

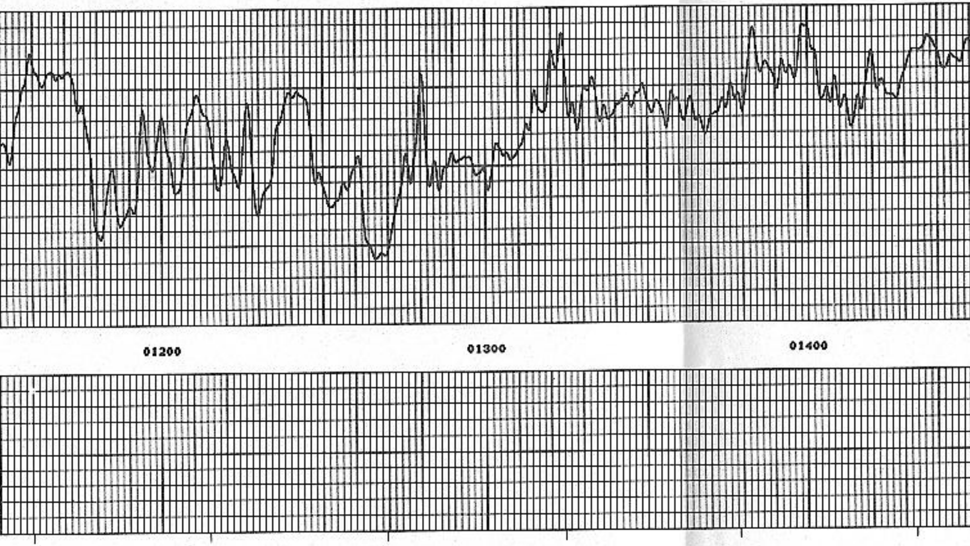
	DEPTH	NEUTRON API UNITS
		RADIATION INTENSITY INCREASES 0 5000

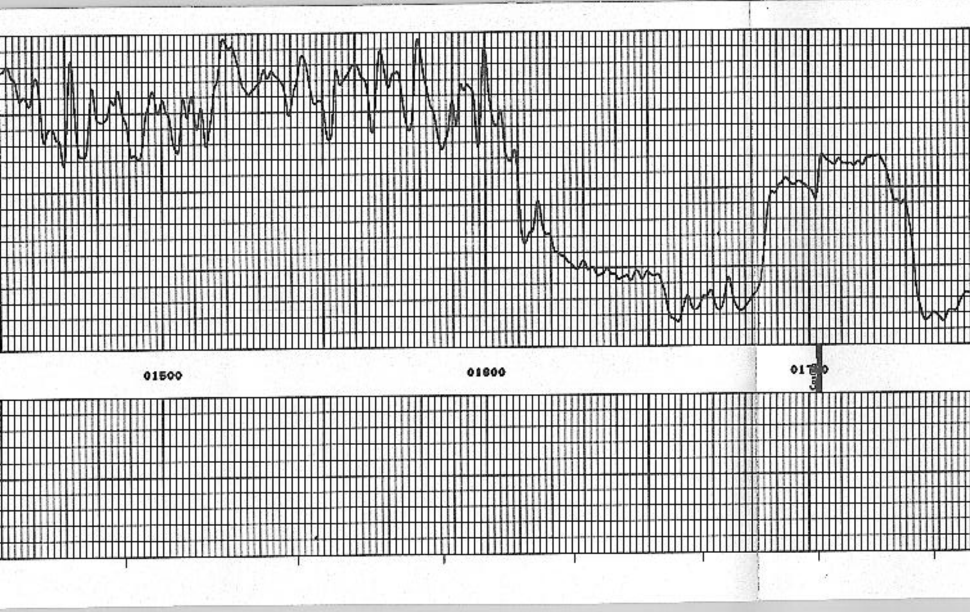


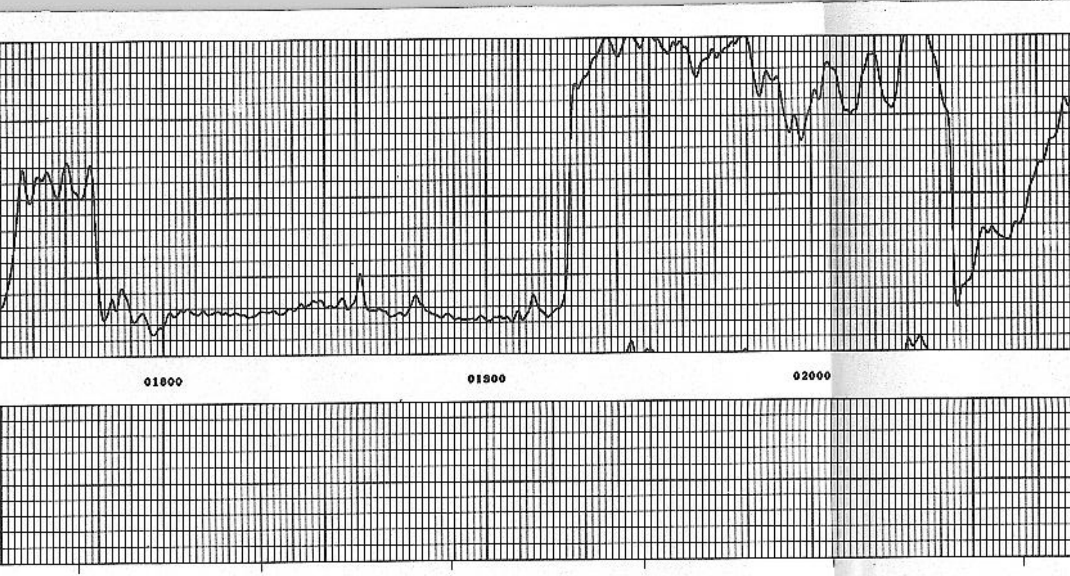


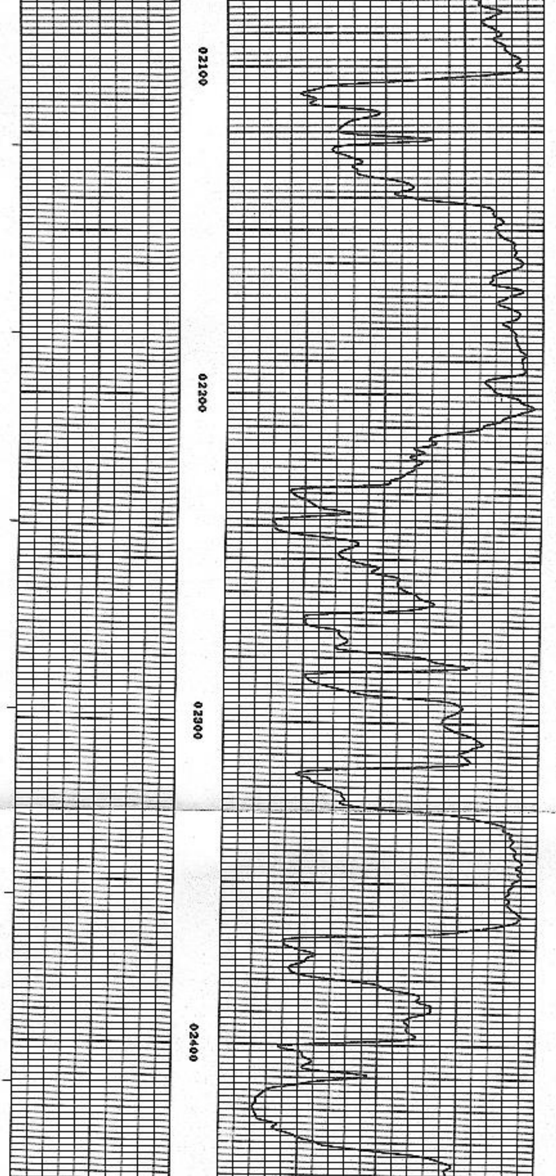


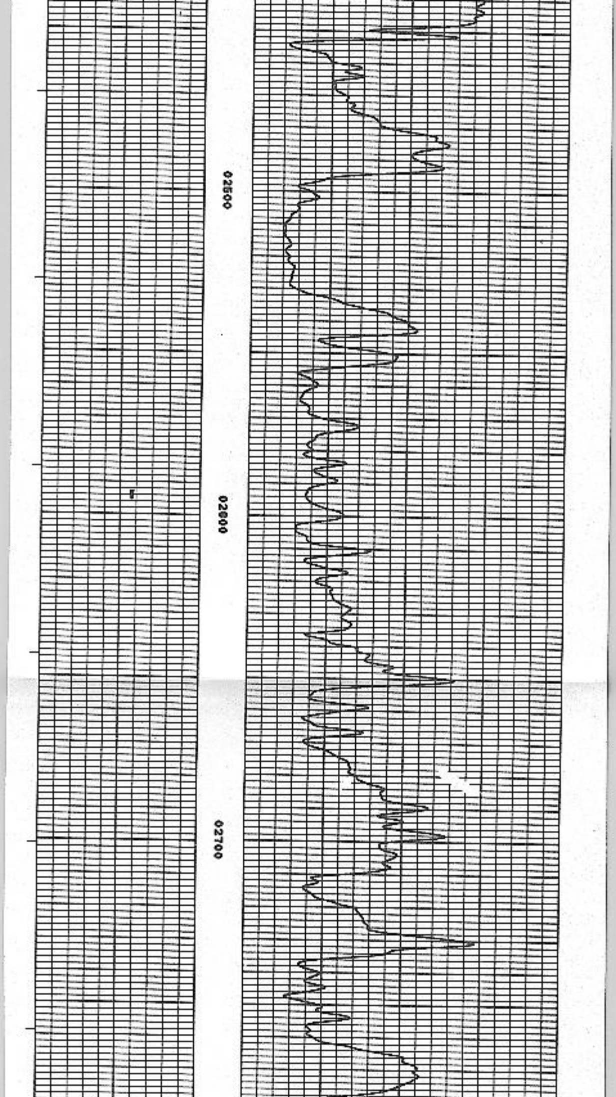


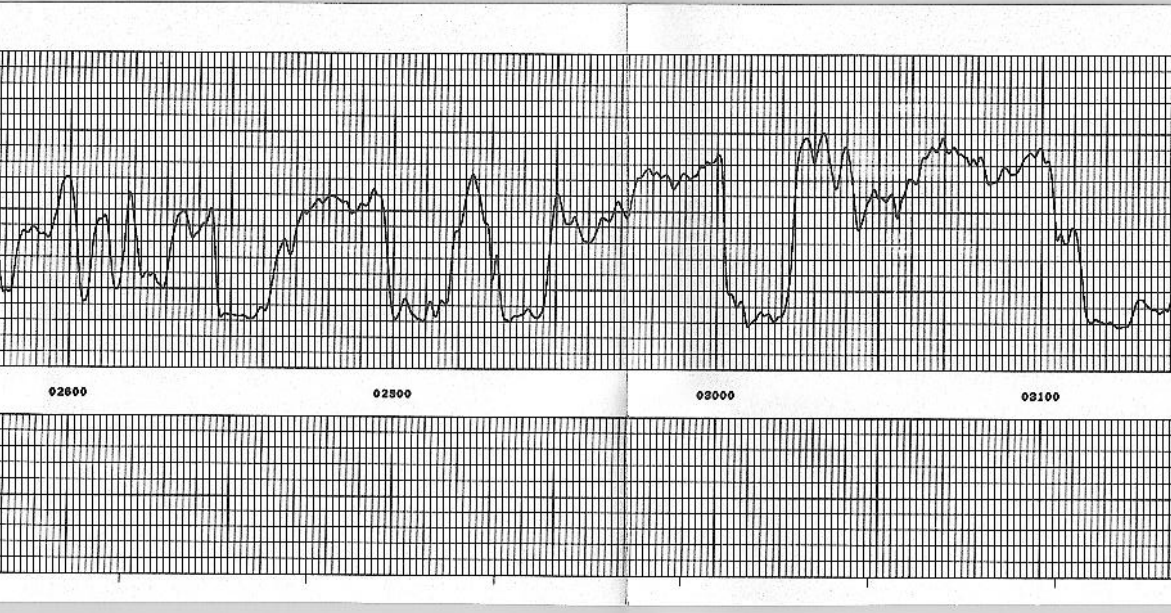


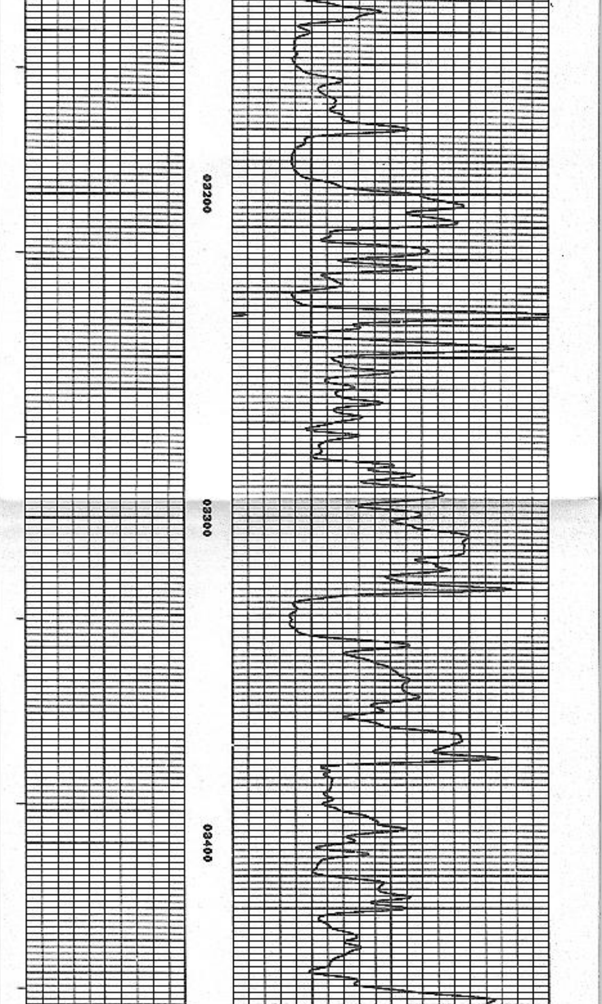


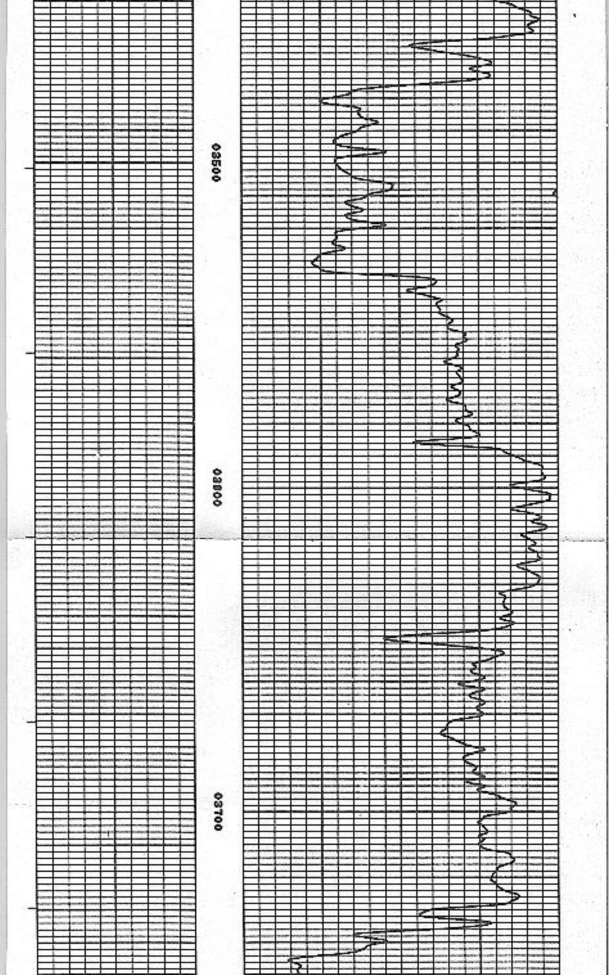


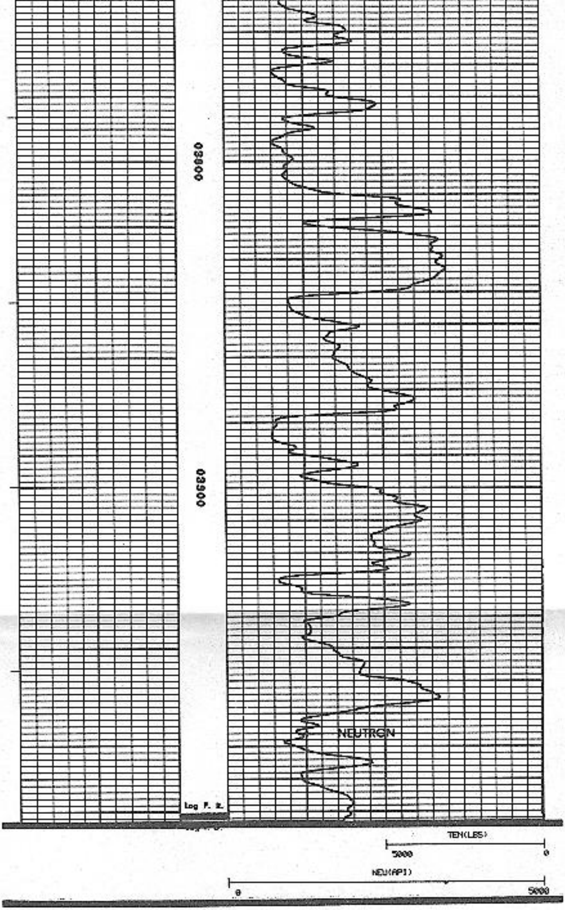










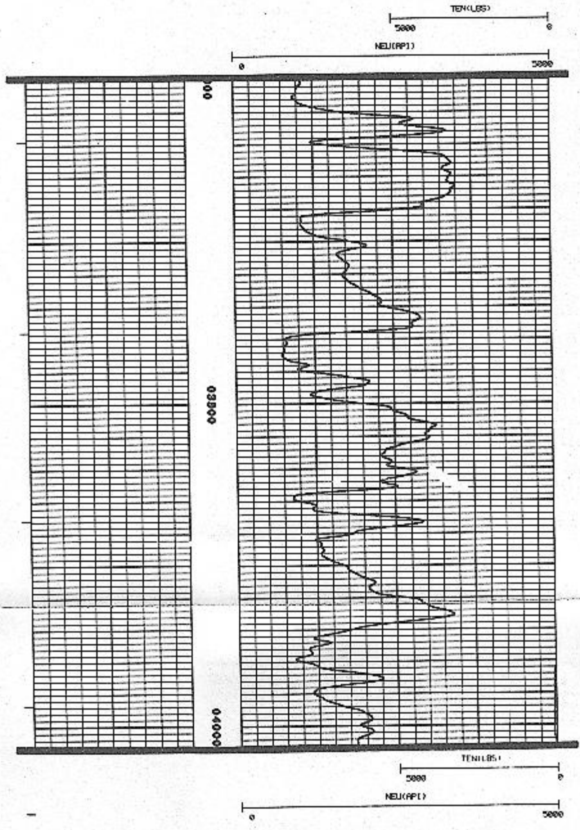


COMPANY: GEC
WELL NAME: N-3
SERVICE: KC374C
FILE: 1

REPEAT SECTION

DATE: 07/29/86
RUN: 1
TRIP: 1
TIME: 07:53:11

REVISION: FSYSAL REV 0007 VER 5 MODE: RECORD



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•                                          •
•  CALIBRATION/VERIFICATION SUMMARIES      •
•  DATE 07/29/86          TIME 09:40:13    •
•  RUN  1                 TRIP 1           •
•                                          •
••••••••••••••••••••••••••••••••••••••••••••


      LOG NAME NEU    ASSET NO. 64037    UNIT NO. HL 6406
   CALIBRATION ENTERED ON 07/29/86 AT 08:20:42

CURVE   COUNTS/SEC.    SCALING FACTORS    ENGINEERING VALUES   UNITS
         LOW    HIGH    ADD.     MULT.       LOW        HIGH
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      DATE 07/24/86          CALIBRATION          TIME 10:08:12

NEU      83.4   255.9   0.000   4.7533      0.000    820.000 API
                       PRIMARY VERIFICATION           NOT DONE

      DATE 07/29/86   BEFORE LOG VERIFICATION     TIME 09:30:51

NEU      65.9    66.0   0.000   4.7533    313.228    313.838 API
      DATE 07/29/86    AFTER LOG VERIFICATION     TIME 09:38:52

NEU      66.0    65.9   0.000   4.7533    313.716    313.472 API
```

Dresser Atlas