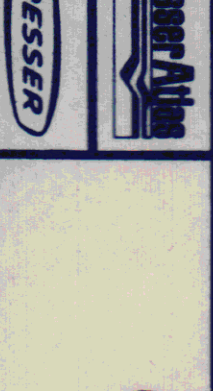


**CONFIDENTIAL**

# Caliper Log



FILE NO.	COMPANY	GEO OPERATOR CORPORATION	RECORDED - PTD
API NO.	WELL	NEWBERRY #1	DATE 11-17-1985
2" = 100'	FIELD	NEWBERRY	DEPT. OF GEOLOGY
	COUNTY	DESCHUTES	STATE OREGON
	LOCATION:	3600' W. & 2758' N. OF S.E. CORNER OF:	Other Services TEL FRAC TEMP GR BHC/AL
	SEC	25	TWP
			RGE
			12E
Permanent Datum	GL	Elev.	5840'
Log Measured from	GL	DF	-
Drilling Measured from	GL	DF	0 Ft. Above Permanent Datum
Date	11-3-85	11-3-85	
Run No.	ONE	TWO	
Service Order	33975	33975	
Depth - Driller	4550'	4550'	
Depth - Logger	3429'	NOT CHECKED	
Top Logged Interval	1786'	1250'	
Bottom Logged Interval	1786'	462'	
Casing - Driller	4" @ 1800'	4.5" @ 465'	
Casing - Logger	1786'	462'	
Bit Size	3.782"	3.782"	
Type Fluid in Hole	WATER	NONE	
Density and Viscosity	-	-	
pH and Fluid Loss	-	-	
Source of Sample	NA	NA	
Rm @ Mass. Temp.	-	-	
Rim @ Mass. Temp.	-	-	
Rmc @ Mass. Temp.	-	-	
Source of Rm and Rmc	-	-	
Rm @ BHT	-	-	
Time Since Circ.	23 HRS.	27 HRS.	
Max. Rec. Temp. Deg. F.	DID NOT RECD	T.D.	
Equip. No. and Location	6406 SAC.	6406 SAC.	
Recorded By:	HINDS	HINDS	
Witnessed By:	MR. DANSART	MR. DANSART	

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.

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 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 )

INTERVAL BETWEEN 3430' & TD AS WELL AS 1788' TO 1250' WERE NOT LOGGED BECAUSE OF HOLE CONDITION.

Remarks: INTERVAL BETWEEN 3430' & TD AS WELL AS 1788' TO 1250' WERE NOT LOGGED BECAUSE OF HOLE CONDITION.

RUN #2 - RECORDED AFTER 4" TUBING PULLED ABOVE 4.5" CASING SHOE.

RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION
2	1	4CA	42342	1965	VARIABLE
	1	GR			
	1	TEMP			

CURVE	DELAY	UNITS
C13	0	FT., IN
C24	0	FT., IN
GR	9.9	FT., IN
CCL	17.0	FT., IN
TEMP	19.6	FT., IN
DTEM	19.6	FT., IN

NAME	DEPTH INTERVAL	VALUE	UNITS
O.D.	1249 TO 454	0.000	INCH

DISPLAY SCALE CHANGES

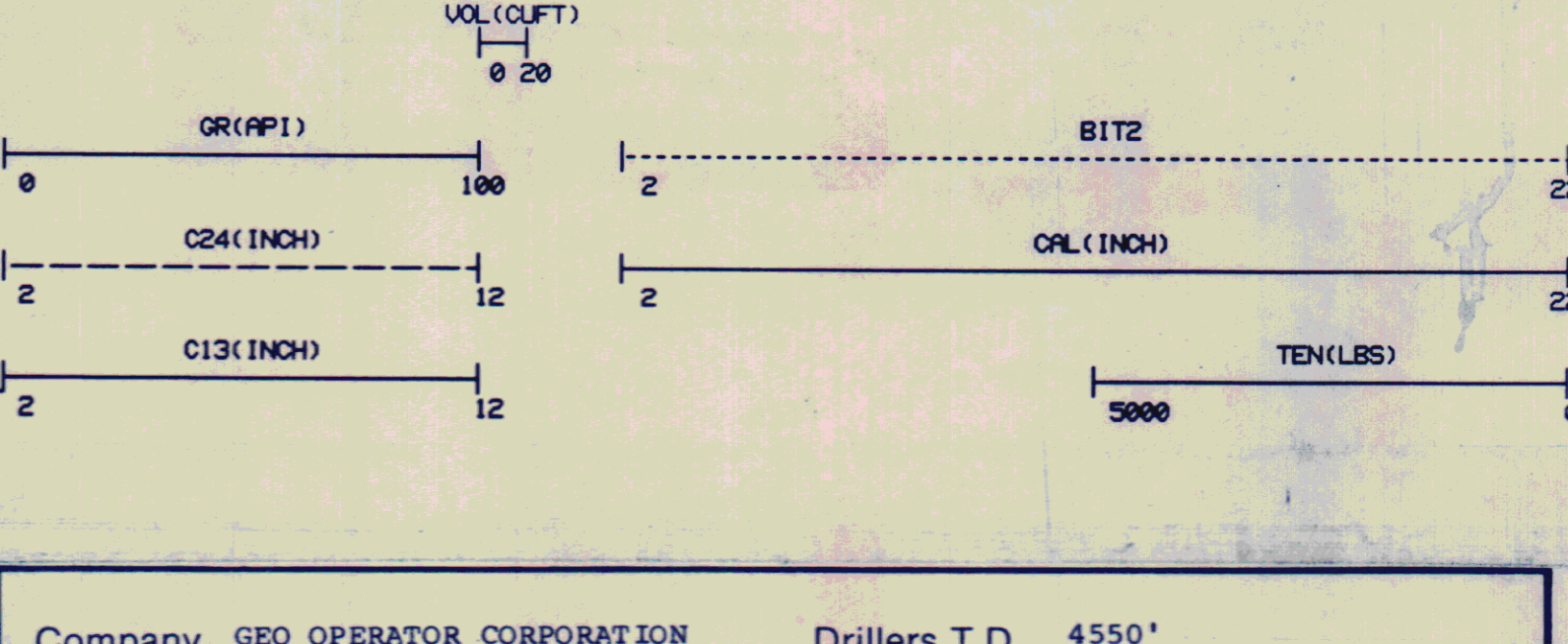
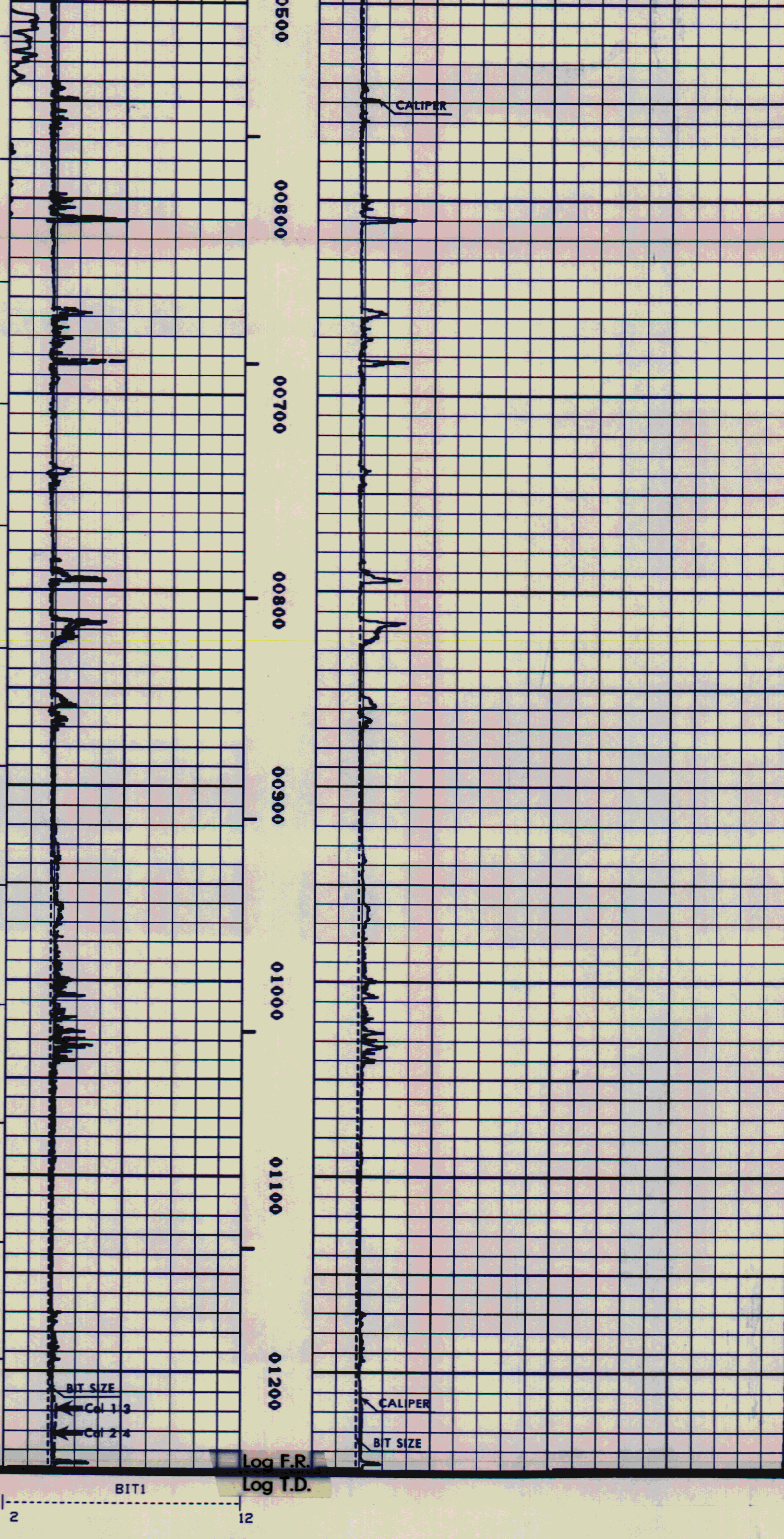
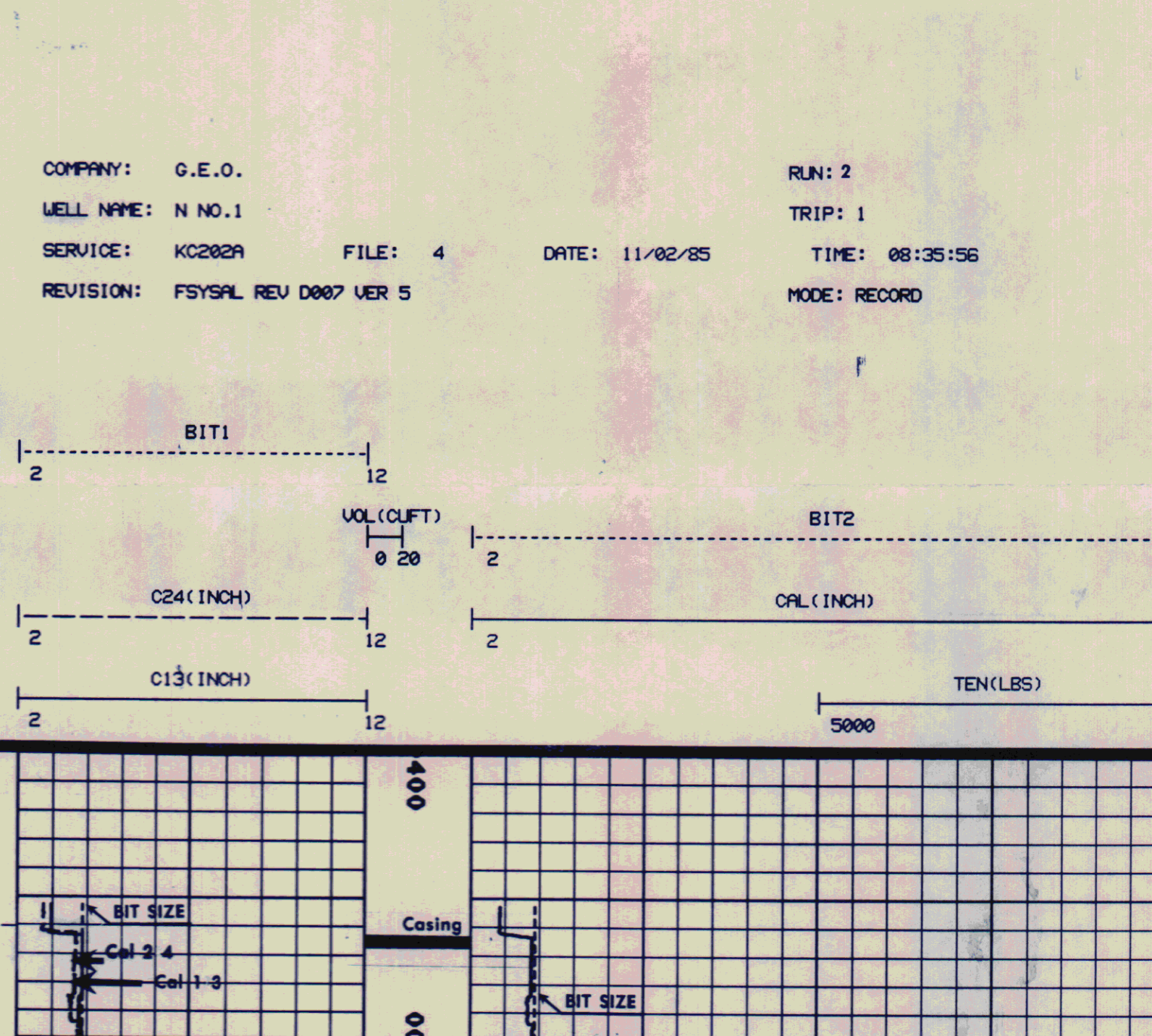
\*\*\* NONE \*\*\*

COMPANY: G.E.O. RUN: 2

WELL NAME: N NO.1 TRIP: 1

SERVICE: KC202A FILE: 4 DATE: 11/02/85 TIME: 08:35:56

REVISION: FSYSAL REV D007 VER 5 MODE: RECORD



Company	GEO OPERATOR CORPORATION	Drillers T.D.	4550'
Well	NEWBERRY #1	Log F.R.	1250'
Field	NEWBERRY	Log T.D.	NOT CHECKED
County	DESCHUTES	Elevations:	
State	OREGON	K.B.	-
		D.F.	-
		G.L.	5840'

COMPANY: G.E.O. RUN: 2

WELL NAME: N NO.1 TRIP: 1

SERVICE: KC202A FILE: 5 DATE: 11/02/85 TIME: 08:54:44

REVISION: FSYSAL REV D007 VER 5 MODE: RECORD

**REPEAT SECTION**

