



# Induction Log

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FILE NO. \_\_\_\_\_ RECEIVED - PTD  
 DATE OF RECORD: MAR 13 1986

COMPANY: GEO OPERATOR CORPORATION  
 WELL: NEWBERRY #1  
 FIELD: NEWBERRY  
 STATE: OREGON  
 COUNTY: DISCHUTES  
 LOCATION: 3600' W. & 2750' N. OF BECAL GR S.E. CORNER OF 1 E 1/4 SEC. 25 TWP. 22S RGE. 12E

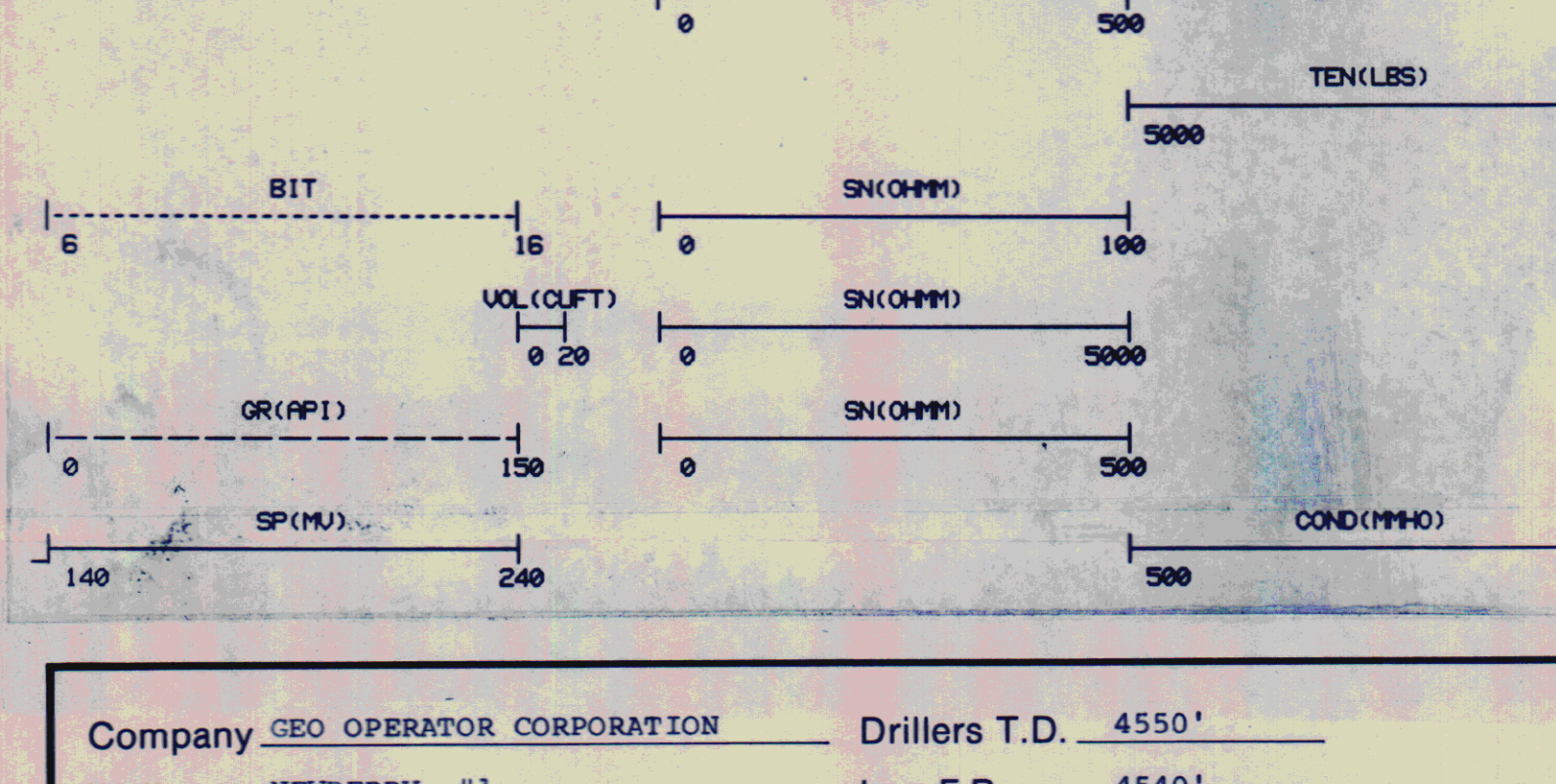
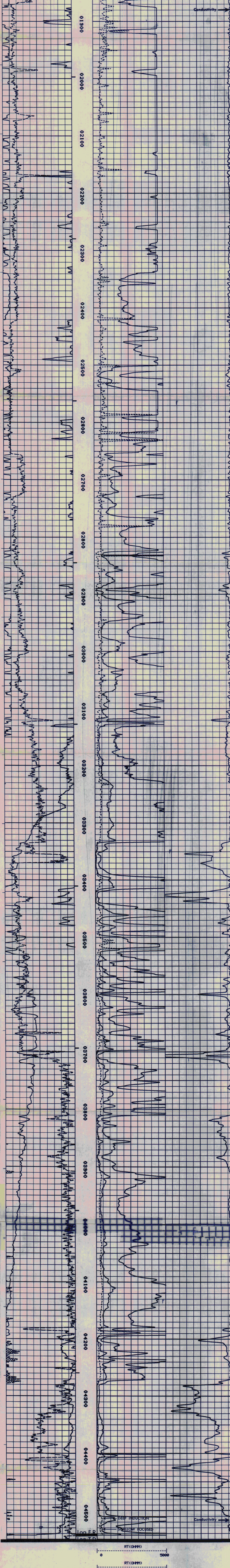
LOG MEASURED FROM: 0' F. Above Permanent Datum  
 PERMANENT DATUM: G.L. 5840'  
 DATE: 11-2-85  
 DRILLING MEASURED FROM: G.L. 5840'  
 RUN NO.: 019  
 SN: 33975  
 DEPTH - OTHER: 4550'  
 DEPTH - LOGGING: 4540'  
 TOTAL LOGGED INTERVAL: 480' @ 4.5" @ 165'

CHILING - LOGGING: 1788'  
 BIT SIZE: 3.782"  
 TYPE FLUID IN LOGGING: WATER  
 SOURCE OF SEALS: NA  
 FIRM @ MASS TEMPS: NA  
 SOURCE OF FIRM END FINE: NA  
 FIRM @ BHT: NA  
 TIME STOP CIRC: 6 HRS.  
 MAX. REC. TEMP. DEPT. F: 64.06 SAC.  
 EQUIP. NO. AND LOCATION: NA  
 LOGGING BY: HANS DREISACK & SWANBERG MRS. JOHNSON

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.

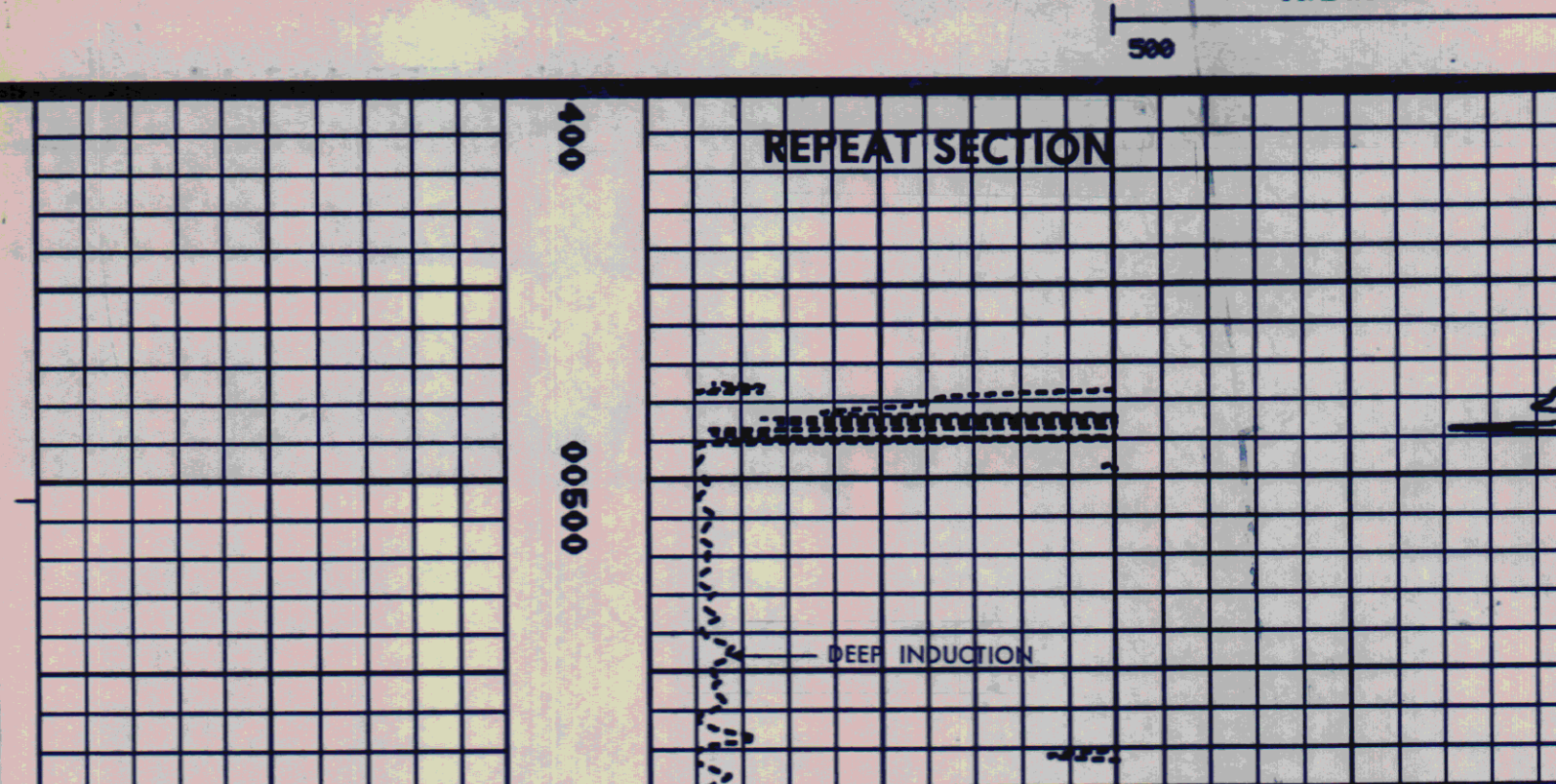
Remarks:  
 1) INTERNAL BETWEEN 1788' & 1250' WAS NOT LOGGED DUE TO WELL CONDITIONS.  
 2) RECORDED AFTER 4" TUBING PULLED ABOVE 4.5" CASING SHOES.

COMPANY: G.E.O. RUN: 1  
 WELL NAME: N NO.1 TRIP: 1  
 SERVICE: K0237A FILE: 4 DATE: 11/1/85 TIME: 11:54:17  
 REVISION: FSYSL REV D007 VER 5 MODE: PLAYBACK



Company	GEO OPERATOR CORPORATION	Drillers T.D.	4550'
Well	NEWBERRY #1	Log F.R.	4540'
Field	NEWBERRY	Log T.D.	4544'
County	DISCHUTES	Elevations:	
State	OREGON	K.B.	- D.F. - G.L. 5840'

COMPANY: G.E.O. RUN: 1  
 WELL NAME: N NO.1 TRIP: 1  
 SERVICE: K0237A FILE: 3 DATE: 11/02/85 TIME: 08:03:54  
 REVISION: FSYSL REV D007 VER 5 MODE: RECORD



LOG NAME	ASSET NO.	UNIT NO.	CALIBRATION ENTERED ON	
LOG NAME TEL	44234	6486	11/01/85 AT 10:27:07	
CURVE	MILLIVOLTS	SCALING FACTORS	ENGINEERING VALUES	UNITS
	LOW	ADD.	LOW	HIGH
DATE	10/17/85	CALIBRATION	TIME	09:01:14
COND	0.3 455.0	0.728 2.0951	1.000	500,000 MMHO
SN	-0.9 215.2	0.043 0.1129	0.000	10,000 OHMM
DATE	10/17/85	PRIMARY VERIFICATION	TIME	09:02:38
COND	-0.1 463.1	0.728 2.0951	0.004	497.145 MMHO
SN	-0.9 215.3	0.043 0.1129	0.001	10,006 OHMM
DATE	11/01/85	BEFORE LOG VERIFICATION	TIME	10:40:10
COND	0.5 480.1	0.713 2.0511	1.154	505.753 MMHO
SN	-0.7 167.3	0.043 0.1129	0.009	7,283 OHMM
DATE	11/01/85	AFTER LOG VERIFICATION	TIME	12:25:33
COND	0.5 478.6	0.713 2.0511	1.104	503.825 MMHO
SN	-1.0 157.4	0.043 0.1129	-0.003	7,325 OHMM

LOG NAME	ASSET NO.	UNIT NO.	CALIBRATION ENTERED ON	
LOG NAME GR	74116	6486	11/01/85 AT 07:06:20	
CURVE	COUNTS-HIGH	SCALING FACTORS	ENGINEERING VALUES	UNITS
	LOW	ADD.	LOW	HIGH
DATE	10/31/85	CALIBRATION	TIME	16:54:36
GR	15.8 108.7	0.000 2.4234	0.000	225,000 API
DATE	11/01/85	PRIMARY VERIFICATION	TIME	07:11:55
GR	14.8 108.4	0.000 2.4234	35.791	262,655 API
DATE	11/01/85	AFTER LOG VERIFICATION	TIME	10:06:17
GR	15.2 107.1	0.000 2.4234	36.723	259,486 API

