

OFFICE USE ONLY
 Log No. 43123
 Permit No. _____
 Basin. 6-85
 NOTICE OF PATENT NO. 24097

PRINT OR TYPE ONLY
 DO NOT WRITE ON BACK

WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

1. OWNER Washoe County Utility Division ADDRESS AT WELL LOCATION _____
 MAILING ADDRESS P.O. Box 11130 Spanish Springs SSP2
Reno, NV 89520
 2. LOCATION NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12 T. 20 N S R 20 E Washoe County
 PERMIT NO. _____ Issued by Water Resources _____ Parcel No. _____ Subdivision Name _____

3. WORK PERFORMED
 New Well Replace Recondition
 Deepen Abandon Other _____
 4. PROPOSED USE
 Domestic Irrigation Test
 Municipal/Industrial Monitor Stock
 5. WELL TYPE
 Cable Rotary RVC
 Air Other _____

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Coarse sand		0	5	5
Volcanic sand & gravel		5	15	10
Sand w/brown clay		15	20	5
Volcanic/granitic sand		20	33	13
Brown clay w/sand		33	38	5
Granitic/volcanic sand		38	50	12
Brown clay w/sand		50	58	8
Brown silty clay		58	67	9
Tan clay w/sand		67	86	19
Volcanic/granitic sand		86	94	8
Brown clay w/sand		94	100	6
Volcanic sand		100	106	6
Tan/brown clay		106	187	81
Weathered black basalt		187	205	18
Red cinder w/red clay		205	213	8
Gray basalt		213	225	12
Brown clay w/basalt		225	235	10
Gray basalt		235	277	42
Red cinder w/red clay		277	285	8
Gray basalt		285	310	25
Tan clay w/basalt fragments		310	378	68
Red/brown cinder w/clay		378	425	47
Black scoriated basalt		425	550	125

8. WELL CONSTRUCTION
 Depth Drilled 550 Feet Depth Cased 490 Feet
 HOLE DIAMETER (BIT SIZE)
 From 7 7/8 Inches To 0 Feet 350 Feet
 _____ Inches _____ Feet _____ Feet
 _____ Inches _____ Feet _____ Feet
 CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>2</u>		<u>galvanized</u>	<u>+2</u>	<u>252</u>

Perforations:
 Type perforation Slotted
 Size perforation 1/8 X 2 1/2 4 per foot
 From 252 feet to 490 feet
 From _____ feet to _____ feet
 Surface Seal: Yes No Seal Type:
 Depth of Seal 215' Neat Cement
 Placement Method: Pumped Cement Grout
 Poured Concrete Grout
 Gravel Packed: Yes No
 From 215 feet to 490 feet

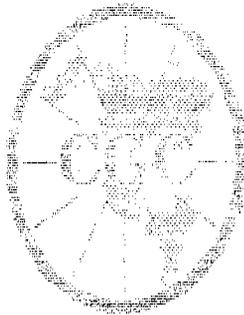
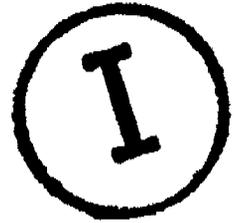
9. WATER LEVEL
 Static water level 124.85' feet below land surface
 Artesian flow _____ G.P.M. _____ P.S.I.
 Water temperature cold °F Quality good

Date started October 25, 1993
 Date completed October 27, 1993

7. WELL TEST DATA

TEST METHOD:	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input type="checkbox"/> Air Lift			
	<u>did not test</u>		<u>AIR ON RIG 2hr.</u>

10. DRILLER'S CERTIFICATION
 This well was drilled under my supervision and the report is true to the best of my knowledge.
 Name Humboldt Drilling & Pump Co., Inc. Contractor
 Address P.O. Box 590 Contractor
Winnemucca, NV 89446
 Nevada contractor's license number issued by the State Contractor's Board 015234
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1914
 Signed C. E. [Signature]
 By driller performing actual drilling on site or contractor
 Date 12-7-93

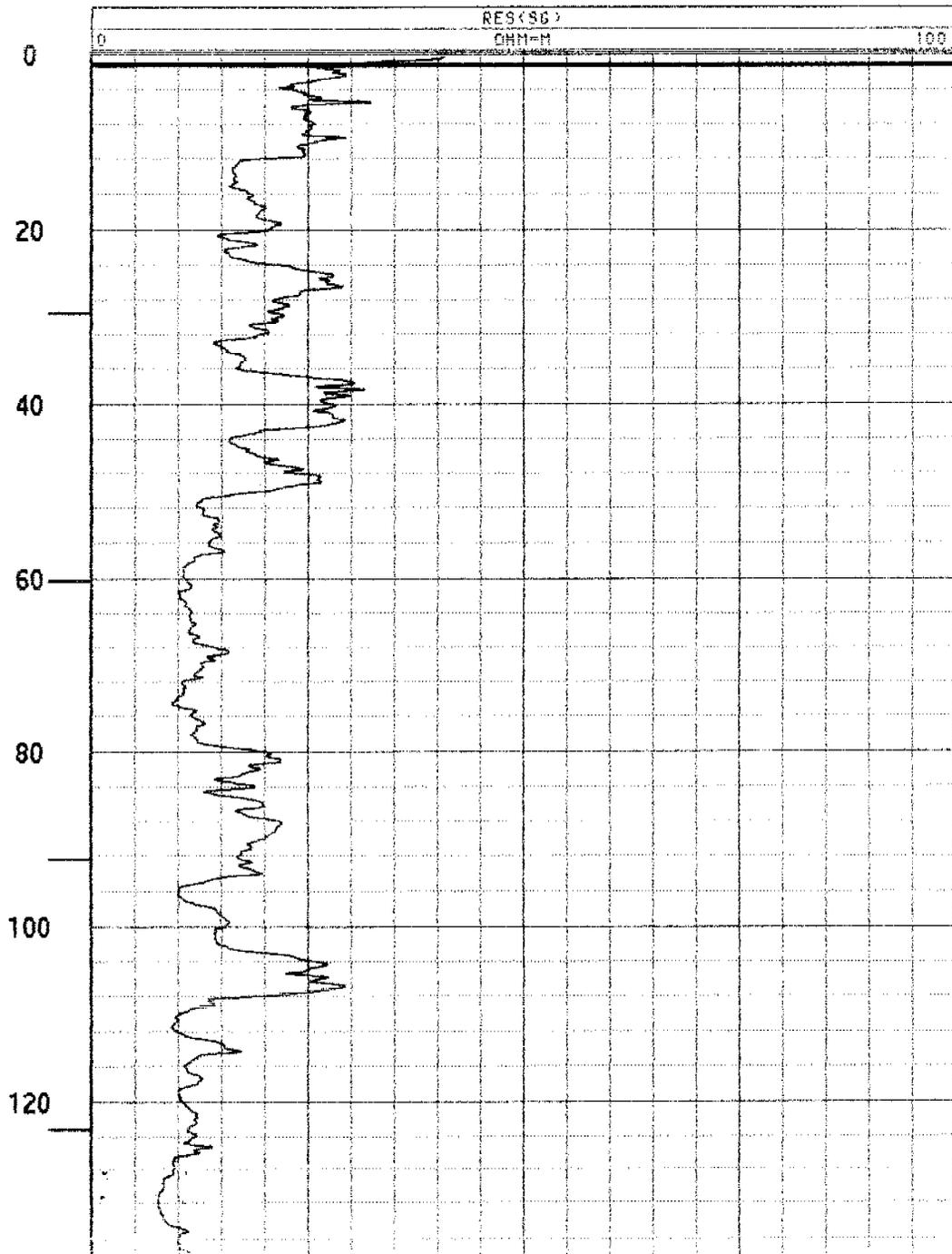
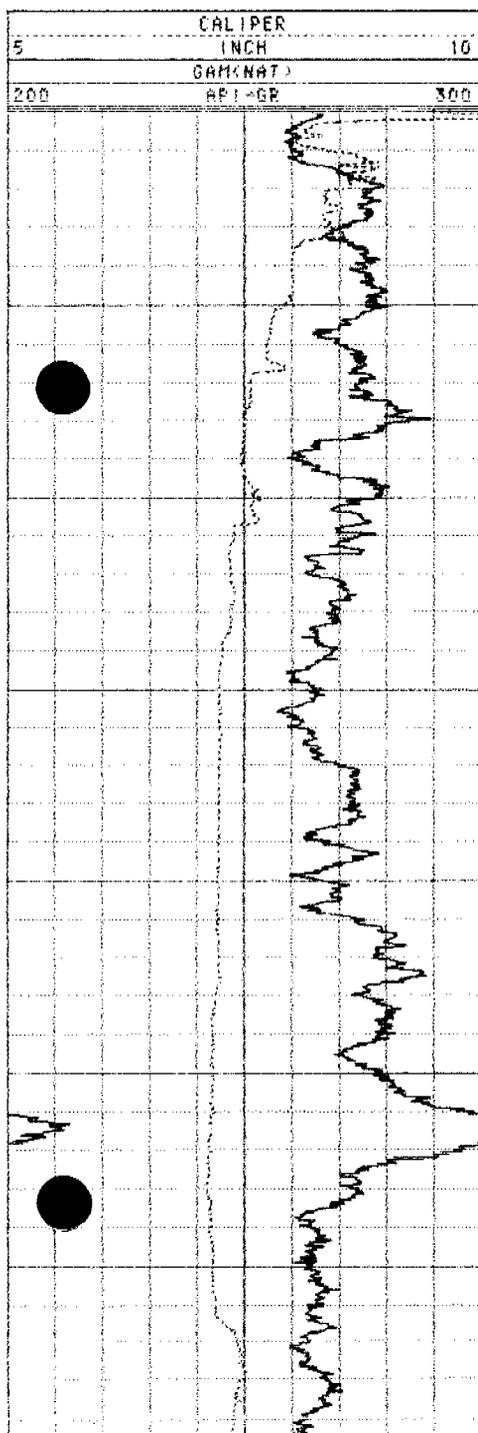


Century

GEOPHYSICAL CORP.

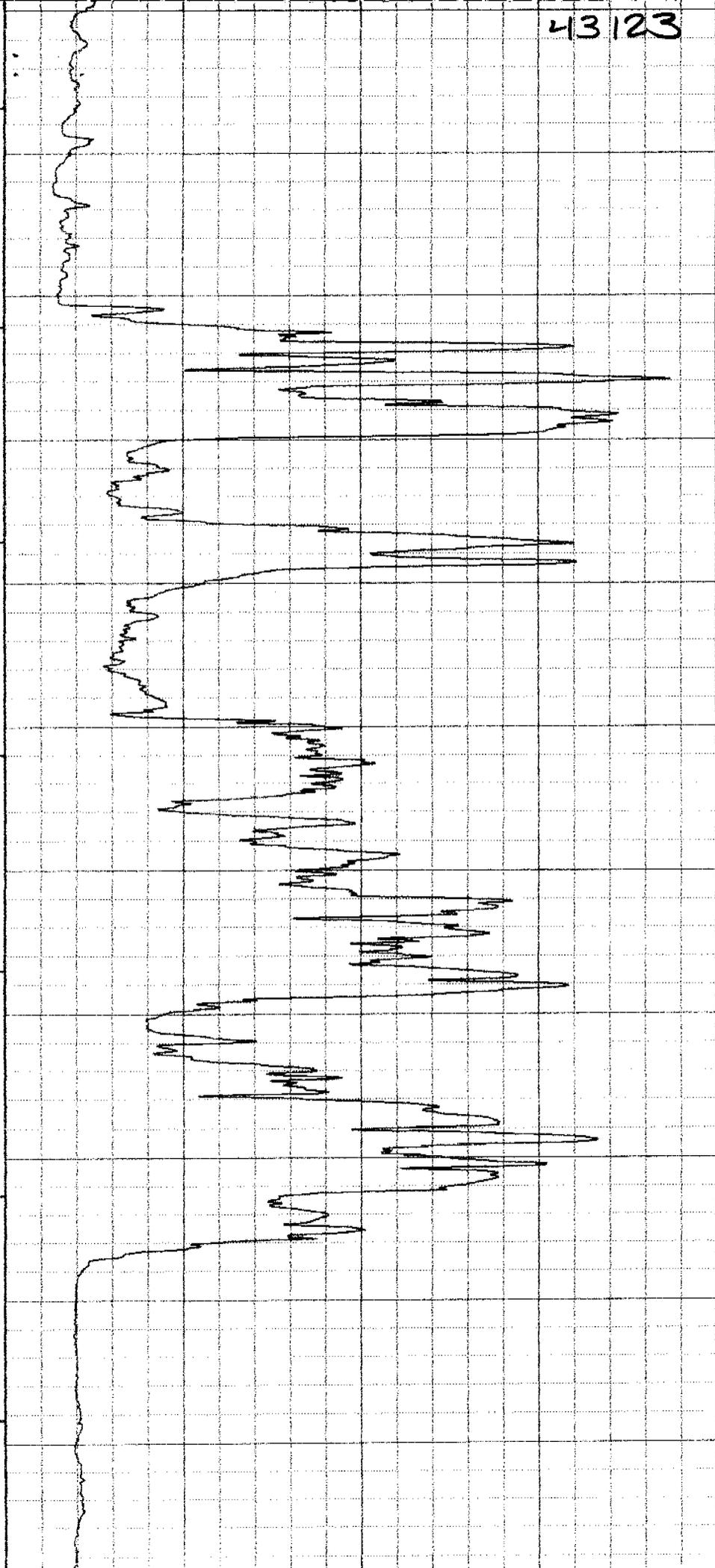
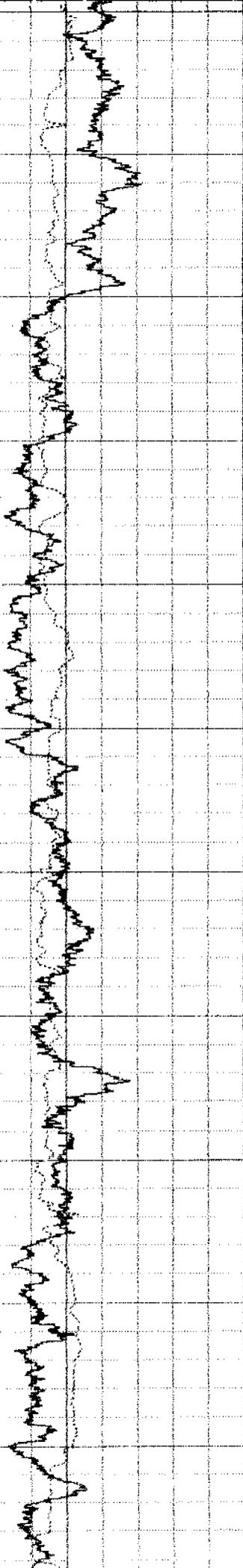
SGP - 2

COMPANY	: NATIONAL DRILLING CO.	OTHER SERVICES:	
WELL	: SGP - 2		
LOCAL HW/FIELD	: SPANISH SPRINGS		
COUNTY	: WASHOE		
STATE	: NEVADA		
SECTION	:	TOWNSHIP	: RANGE
DATE	: 12/08/93	PERMIT DIVISION	: ELEVATIONS
DEPTH DRILLER	: 500	ELEV. PERM. 04000:	ME
LOG BOTTOM	: 354.50	LOG MEASURED FROM: G.L.	WF
LOG TOP	: - 10.00	WEL MEASURED FROM: G.L.	GL
CASING DRILLER	: 1	LOGGING UNIT	: 8005
CASING TYPE	: STEEL	FIELD OFFICE	: LAS VEGAS
CASING THICKNESS	: .25	RECORDED BY	: T. OPPENBORN
WEL DATE	: 7-83	WELLBORE FLUID	: SEMI.
MAGNETIC DEVI.	:	WV	:
MATRIX DENSITY	:	BM TEMPERATURE	:
FLUID DENSITY	:	MATRIX DELTA T	:
RESISTIV MATRIX	:	FLUID DELTA T	:
REMARKS	:		
			FILE : ORIGINAL
			TYPE : 900000
			LOG : 7
			PLOT : REND 2
			WELLEN: 500000

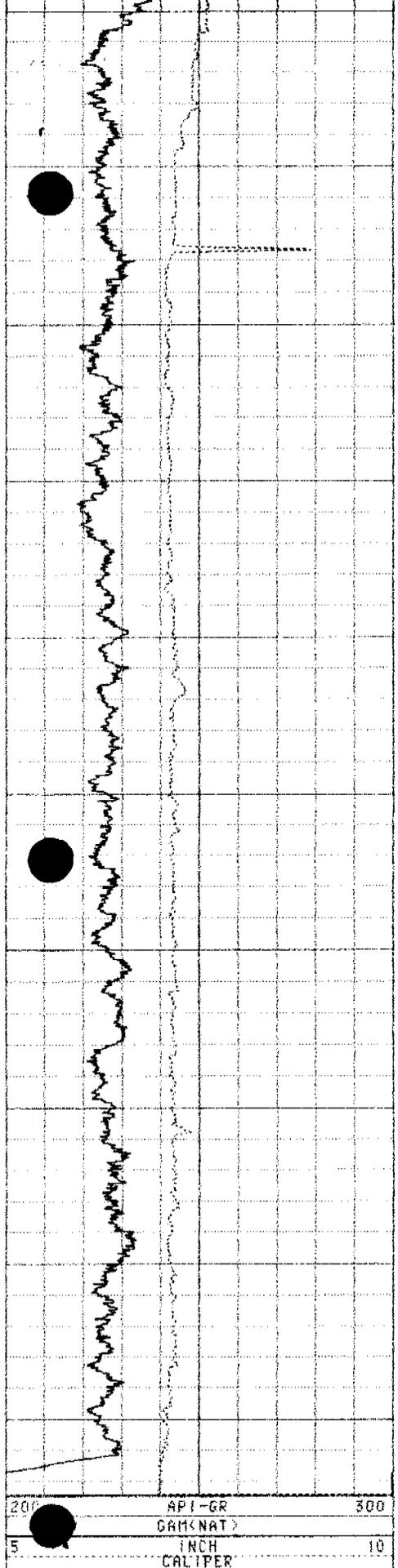
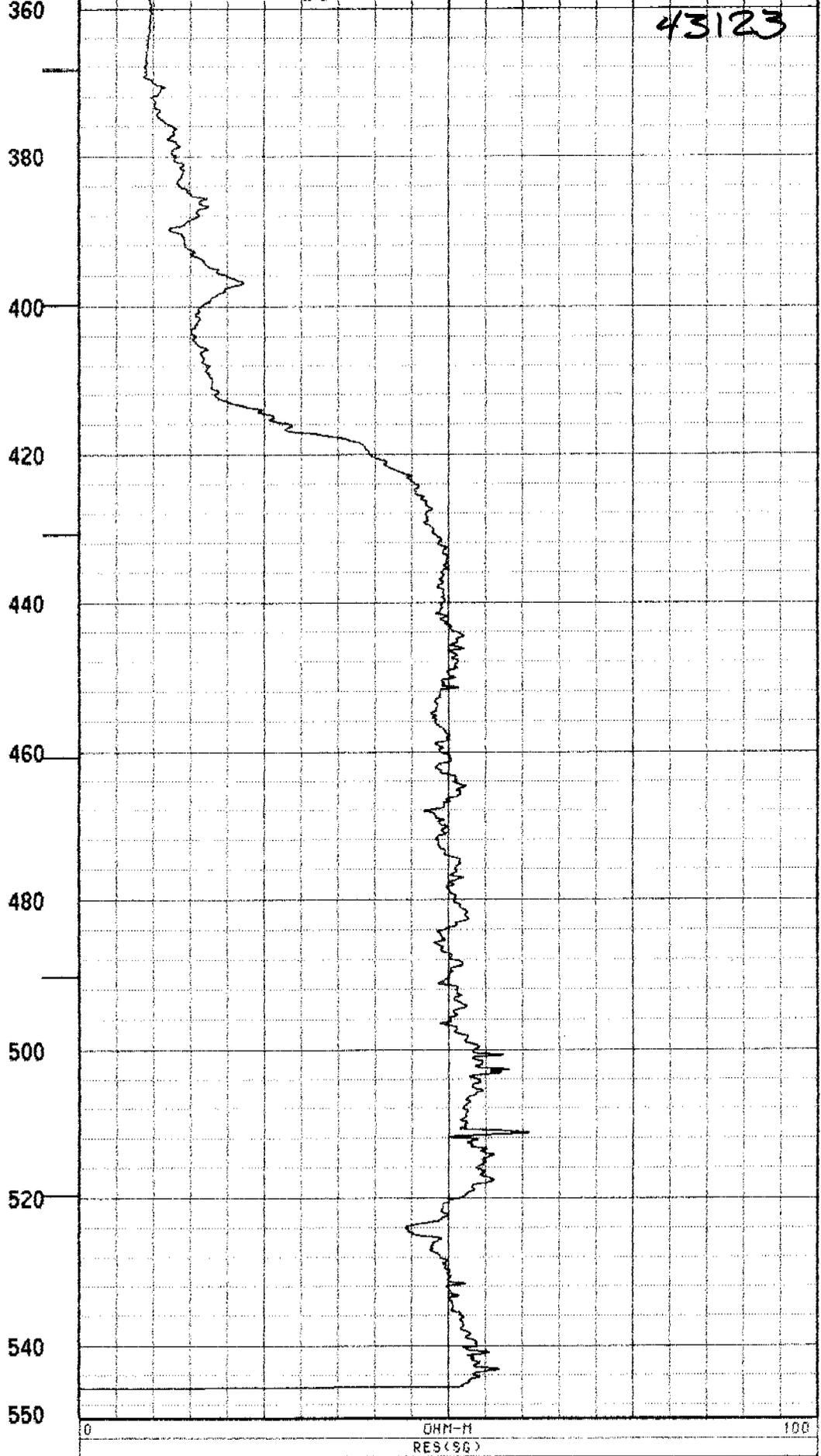


43123

140
160
180
200
220
240
260
280
300
320
340



43123



200 API-GR 300
5 GRM (NAT)
INCH 10
CALIPER

0 OHM-M 100
RES (SG)