



CENTURY GEOPHYSICAL CORPORATION
Tulsa, Oklahoma

COMPANY

LONGMAN DRILLING

BOREHOLE

S-1

AREA

MARIANO LAKE

ELEVATION

7238

COUNTY

MCKINLEY

STATE

NEW MEXICO

SECTION

29

TOWNSHIP

16N

RANGE

14W

HOLE DATA

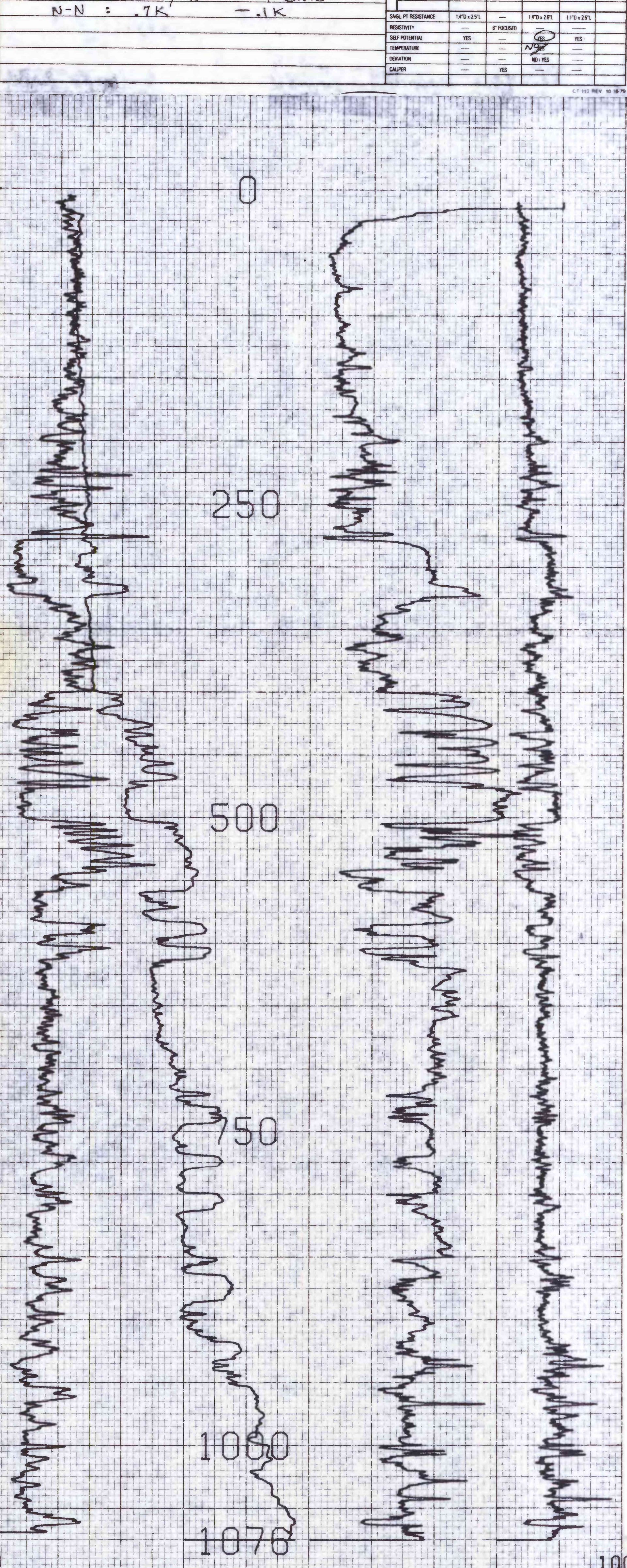
TOTAL DEPTH - DRILLER	1075'	BIT SIZE	6.0"
TOTAL DEPTH - LOGGER	1076'	CASING - TYPE & SIZE	NA
TOTAL FOOTAGE LOGGED	1076'	CASING DEPTH	NA
LOGGING SPEED	60'/MIN	BOREHOLE FLUID	MUD H ₂ O @ 17'
REFERENCE LEVEL	GROUND	FLUID RESISTIVITY	UNK @ 17'
PROBENO A	9055-7	SOFTWARE LEVEL	V3L100A
TIME IN	1800	SCALE SELECTION	10-OPERATOR
TIME OUT	1854	CLIENT	

REMARKS:

4 PARAMETER LOG (GAMMA, SP, RES, N-N)

GAMMA : 100 CPS/IN
SP : 18 MV/IN -26 BIAS
RES : 8 R/IN -9 BIAS
N-N : .7K -1K

BOREHOLE	S-1	DATE	28 OCT 80
UNIT/OPERATOR	7717/BEAL	FIELD OFFICE	GRANTS
EQUIPMENT DATA			
PROBE MODEL	9010	9030	9055
PROBE DIAMETER	1.8"	2.0"	1.8"
DETECTOR TYPE	NaI	NaI	NaI
DETECTOR SIZE	8.75" x 1.25"	1.25" x 4.5"	8.75" x 4.0"
STD. K FACTOR	1.50 x 10 ⁻⁴	—	558 x 10 ⁻⁴
STD. DEATHTIME	1.40mc	—	1.10mc
CALIB. MODEL LOC	—	—	38ANUS
CALIB. DATE	—	—	10-10-80
K FACTOR x 10 ⁻⁴	—	—	5.777
DEATHTIME x 10 ⁻⁴ mc	—	—	.914
TEST READING	—	—	NA
WATER FACTOR	—	—	1.151
CASING FACTOR	—	—	NA
DENSITY			
DETECTOR TYPE	—	NaI	—
DETECTOR SIZE	—	5" x 1.5"	5" x 3.0"
SOURCE TYPE	—	Ca ⁴⁸	Ca ⁴⁸
SOURCE NO.	—	—	—
SOURCE STRENGTH	—	—	—
SOURCE SPACING	—	—	—
NEUTRON			
DETECTOR TYPE	—	—	NaI
DETECTOR SIZE	—	—	1.8" x 8.0"
SOURCE NO.	—	—	AmBe
SOURCE STRENGTH	—	—	28.2
SOURCE SPACING	—	—	16.4
SING. PT. RESISTANCE			
RESISTIVITY	1.47D x 29.1	—	1.47D x 29.1
SELF POTENTIAL	—	YES	YES
TEMPERATURE	—	—	—
DEVIATION	—	—	—
CALIBER	—	YES	—



GAMMA CPS
S.P. MV
N-N KCPS
RESISTANCE OHMS

COMPU-LOG V3L9 PLOT 10-28-80

S-1
U. S. G. S.
MARIANO LAKE
HOLE DIAMETER : 06.0

CAL STD CPS = 0161
PROBE # 9055A -007
TRUCK # 7717
APPL. #5 E
DDUG BEAL

CAL RUN CPS = 0199
PROBE CAL BIAS = +00000
DATA: V3L10

VERTICAL DEVIATION

COMPULOG V3L1 DEVIATION

HOLE ID: S-1

SCALE: 5 FT/IN
MAG DECL: 13.5
TRUE DEPTH: 1075. FT
AZIMUTH: 209.
DISTANCE: 29.4 FT

+ = 50 FOOT INCR
Δ = TOP OF ZONE
◊ = BOTTOM OF ZONE

TRUE NORTH ↑

423

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