

CENTURY GEOPHYSICAL CORPORATION
Tulsa, Oklahoma

DATE: 03-05-81
HOLE NO: 16701 OWEN GRANTS

COMPANY: U.S.G.S.
HOLE NO: S-8
AREA: MARIANO LAKE
COUNTY: MCKINLEY
SECTION: 5 TOWNSHIP: 19N RANGE: 12W

ELEVATION: 6195'
STATE: N.M.

EQUIPMENT DATA

PROBE MODEL	9010	9000	9005	9060
PROBE DIAMETER	1.8"	2.0"	1.8"	1.4"
DETECTOR TYPE	Nal	Nal	Nal	Nal
DETECTOR SIZE	875" x 125"	125" x 45"	875" x 40"	5" x 30"
STD. K FACTOR	150 x 10 ⁻⁴	—	550 x 10 ⁻⁴	102 x 10 ⁻⁴
STD. DEADTIME	30071	—	30071	172000
CALIB. MODEL LOC.	—	—	58	—
CALIB. DATE	—	—	8-24	—
K FACTOR x 10 ⁻⁴	—	—	5670	—
DEADTIME μ sec	—	—	829	—
TEST READING	—	—	—	—
WATER FACTOR	—	—	—	—
CASING FACTOR	—	—	—	—
DETECTOR TYPE	—	Nal	—	Nal
DETECTOR SIZE	—	5" x 15"	—	5" x 30"
SOURCE TYPE	—	Ca ¹³³	—	Ca ¹³³
SOURCE NO.	—	—	—	—
SOURCE STRENGTH	—	—	—	—
SOURCE SPACING	—	—	—	—
DETECTOR TYPE	—	—	He ³	—
DETECTOR SIZE	—	—	1.0" x 8.0"	—
SOURCE TYPE	—	—	AmBe	—
SOURCE NO.	—	—	—	—
SOURCE STRENGTH	—	—	—	—
SOURCE SPACING	—	—	—	—

NATURAL GAMMA

SWL PT RESISTANCE	14'0" x 25'	—	14'0" x 25'	11'0" x 25'
RESISTIVITY	—	8" FOCUSED	—	—
SELF POTENTIAL	YES	—	YES	YES
TEMPERATURE	—	—	YES	—
DEVIATION	—	—	NO/YES	—
CAUTION	—	YES	—	—

HOLE DATA

TOTAL DEPTH - DRILLER	3520'	BIT SIZE	6.0
TOTAL DEPTH - LOGGER	778'	CASING - TYPE & SIZE	STEEL
TOTAL FOOTAGE LOGGED	778'	CASING DEPTH	65'
LOGGING SPEED	50'/MIN	BOREHOLE FLUID	H ₂ O FLOWING
REFERENCE LEVEL	GRD. LVL.	FLUID RESISTIVITY	UNK. *F
PROBE NO	9055B-58	SOFTWARE LEVEL	V3L10*A
N.G.	100 CPS/IN	SCALE SELECTION	OPERATOR
S.P.	271-24	RES.	2.67-11

REMARKS: TIME IN : 1942
TIME OUT : 2124

THREE PARAMETER LOG - NATURAL
GAMMA, S.P., RESISTANCE

BRIDGED @ 778' WT. SEC.

SWL PT RESISTANCE	14'0" x 25'	—	14'0" x 25'	11'0" x 25'
RESISTIVITY	—	8" FOCUSED	—	—
SELF POTENTIAL	YES	—	YES	YES
TEMPERATURE	—	—	YES	—
DEVIATION	—	—	NO/YES	—
CAUTION	—	YES	—	—

