76782

513 E 54 - 31 D

CORPS OF ENGINEERS, U. S. ARMY

MILITARY CONSTRUCTION

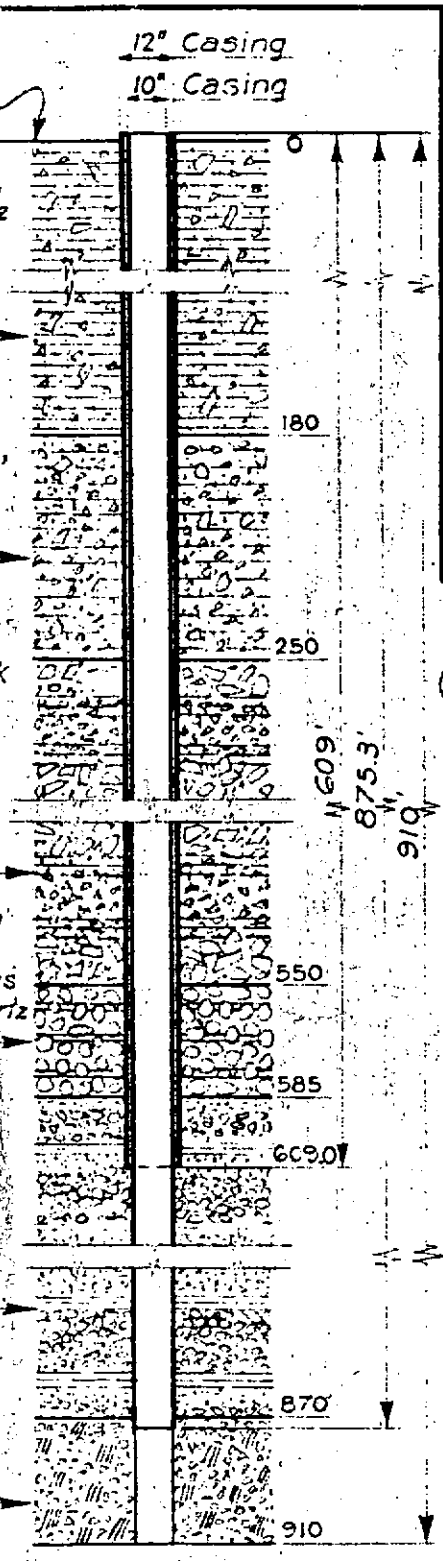
MERCURY

NEAR INDIAN SPRINGS, NEVADA

LOG OF WELL No. 5A

SCALE: 1" = 60'
GRAPHIC SCALE
U. S. ENGINEER OFFICE, LOS ANGELES, CALIF., APRIL 1951

SUBMITTED BY: FILE NO. | DRAWN RES | TRACED RES | CHECKED DWS | APPROVED BY: | TO ACCOMPANY | DATED



Valley fill, coarse gravel, sand, silty & clay. Rock fragments are predominantly limestone with some quartzite. Enough silt & clay present to make a good drilling mix.

Valley fill, limestone & quartzite, gravel & sand, with enough silt & clay for good drilling mix. Materials are coarser.

Valley fill, subangular quartzite & limestone fragments, rock occurring in gravel & sand layers interbedded with increasing thickness of strata of these rocks embedded in a silt & clay matrix. Some gravel layers are well cemented.

Transition zone. Valley alluvium to fanglomerate composed of rounded pebbles in a tuffaceous matrix. Pebbles are largely of quartz & quartzitic origin.

Conglomerate. Interbedded layers of cobbles, pebbles & granules, largely of quartz & quartzitic origin, well rounded & embedded in tuffaceous matrix.

Hard, silicious conglomerate. Cobbles & pebbles, largely of quartz & quartzitic origin, embedded in a silicious matrix.

LOCATION:
(See Dwg. No. 71-12-01)
N. 738,361.00
E. 707,514.00

Encountered water at 715', Static level 700'

CAPACITY:
110 G.P.M. with drawdown of 119'

Pump set at 819' (Submersible)

Test period - 30 hrs. 27 - 28 March 1951

Driller:
S. R. McKinney & Son, Las Vegas, Nevada

Chemical Analysis

Dissolved Solids	650 PPM
Total Hardness ($CaCO_3$)	14 "
Alkalinity ($CaCO_3$) M.O.	320 PPM P = 0
Chlorides	24 PPM

609.0' of 12" I.D. Casing set. Pulled 0.0' - Left 609.0'
875.3' of 10" I.D. Casing set. Pulled 0.0' - Left 875.3'
Hole not cased below 875.3' where 10" casing rests on bedrock. Top of 12" & 10" Casing 1.5' above ground surface. Drilled: Jan. 8, to Mar. 23, 1951

WAR DEPARTMENT

INC. 2
Sheet 5 of 5 sheets.