P-W

U. S. BUREAU OF RECLAMATION D-6-3 11-7
NW/NW Sec 21-6S-3E, Pinal Co.

32 x

4

County Pinal

Area

Lease No.

Well Name U. S. BUREAU OF RECLAMATION D-6-3

Location NE/NW/NW Sec 21 Twp 6S Range 3E Footage

Elev 1335 Gr KB Spud Date Completed ~~Abandon~~ x 1-10-64 Total Depth 1803

Contractor

Drilled by Rotary X
Cable Tool

Casing Size	Depth	Cement

Production Horizon

Initial Production

REMARKS

Elec Logs Survey potential Log-2, Graphic log

Sample Log
Sample Descript.
Sample Set
Core Analysis
DSTs

Applic. to Plug Plugging Record Completion Report

Water well accepted by

Bond Co. & No.

Bond Am't $ Cancelled Date Organization Report

Filing Receipt Dated Well Book Plat Book

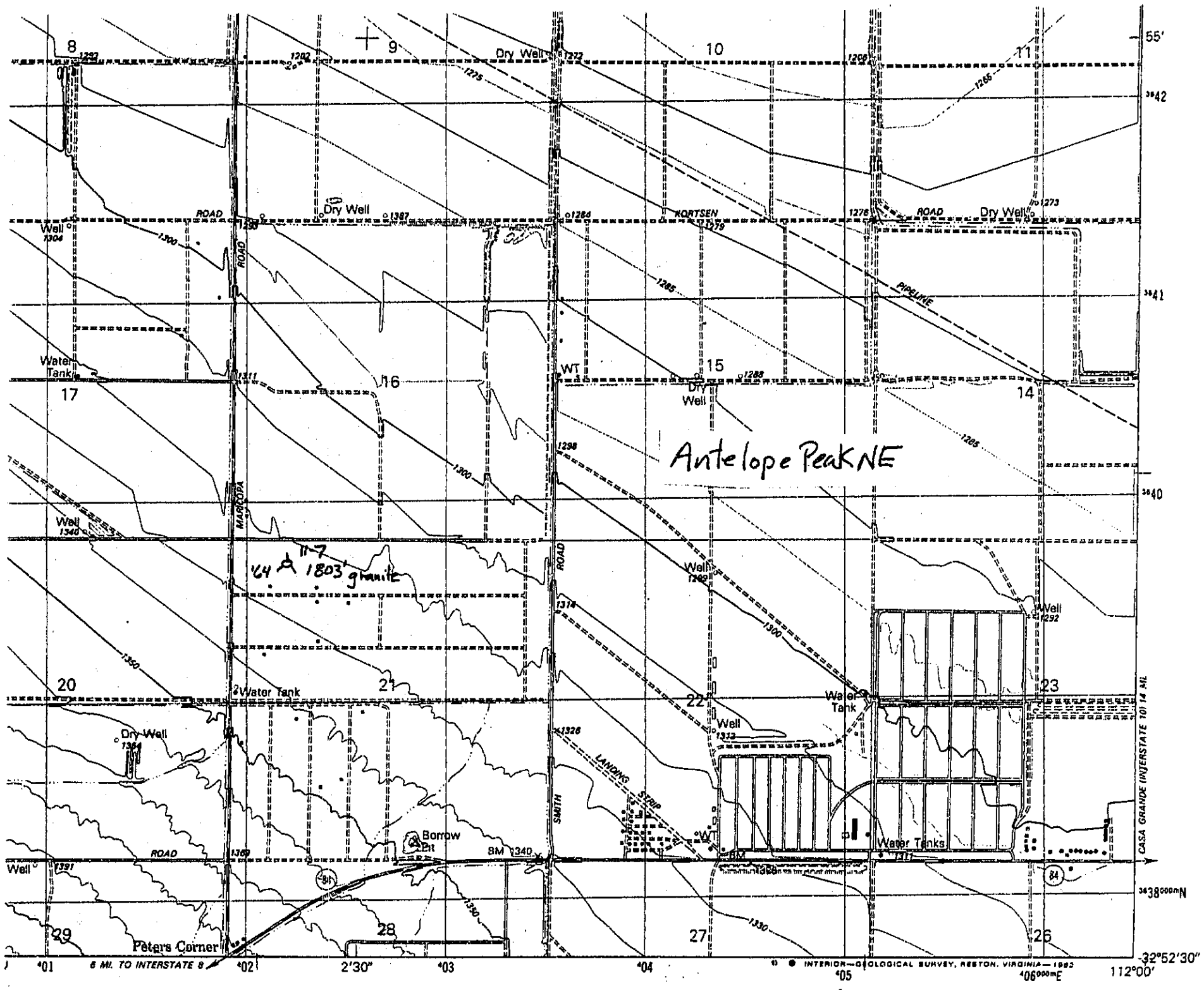
Loc. Plat Dedication

API NO. 02-021-05029

Permit Number Date Issued

#11-7

32 × 1


Antelope Peak NE
Dry Well
Water Tank
Water Tanks
Borrow Pit
Peter's Corner
6 MI. TO INTERSTATE 8
ROAD
KORTSEN
PIPELINE
MARICOPA
SMITH
LANDING STRIP
CASA GRANDE (INTERSTATE 10) 14 MI.
INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1962
112°00'
32°52'30"

Form No. PHD-22
July 1963

11-7

21-6E-3E
Pinal Co

& GAS CONSERVATION COMMISSION
STATE OF ARIZONA
4515 N. 7th AVE.
TELEPHONE: 271-5161
PHOENIX, ARIZONA 85015

#11-7

Sheet 1 of 2

CONDENSED GRAPHIC LOG OF GROUND WATER TEST HOLE

PROJECT CENTRAL ARIZONA PROJECT — STATE ARIZONA

HOLE NO. (D-6-3) 21bba — GROUND ELEVATION 1335±

BEGUN December 10, 1963 — FINISHED January 9, 1964 — TOTAL DEPTH 1803'

DEPTH OR ELEVATION OF WATER TABLE D.W. 3/24/64 Pipe #2 - 474' HOLE LOGGED BY Carver and Hampton

TYPE OF SAMPLE	DEPTH	PIEZOMETER DATA	SAMPLES FOR TESTING	LOG	CLASSIFICATION AND PHYSICAL CONDITION
CT&D		1.0" casing			0'-2': Sandy silt--reddish brown; loose; ill sorted; with fine, subangular to subrounded, quartzose sand; small plant roots; strong reaction to acid.
					2'-16': Silty sand--reddish brown; loose; ill sorted; quartzose sand with silt and few scattered granitic gravels up to 1".
	100				16'-37': Sand--reddish brown; loose; ill sorted; fine to coarse, subrounded to subangular, quartz sand and minor silt with lenses of predominantly granitic gravel. The finer zones are calcareous and give a strong reaction to acid.
CR, CT&D		Backfilled with clay 0'-252'			37'-42': Clay--reddish brown; plastic; with minor silt and fine to medium, subrounded to subangular, quartz sand; strong reaction to acid.
CR, CT&D	200				42'-120': Silty sand--reddish brown; firm to loose; ill sorted; fine to coarse, angular to subrounded, silty quartzose sand and minor clay with lenses of subangular to subrounded, granitic and volcanic gravel up to 2½". Some silty zones are calcareous and give a strong reaction to acid. Apparent average specific gravity - 2.00.
CR, CT&D					120'-190': Silty sand and gravel--reddish brown; firm to loose; ill sorted; fine to coarse, silty, predominantly quartz sand and fine granitic gravel with lenses of angular to subrounded, fine to coarse, mostly granitic, some volcanic, gravel up to 2". Scattered calcareous zones, some have dull black streaks and spots. Strong to no reaction to acid. Apparent average specific gravity - 2.00.
CR, CT&D	300				190'-266': Sandy silt--reddish brown; friable to loose; ill sorted; with fine to medium, angular to subrounded, quartzose sand; occasionally plastic clay; few dull black streaks and spots. The core has calcareous cemented zones at 202'-203.5', 205'-206', 259'-260.3' that show strong acid reaction, no reaction elsewhere. Apparent average specific gravity - 2.20
CR, CT&D	400				266'-310': Silty sand--reddish brown; loose to firm; ill sorted; fine, angular to subrounded, silty quartzose sand with lenses of fine to coarse, subangular to subrounded, quartzose sand and granitic rounded to subangular, fine to coarse gravel up to 1½". Contains calcareous cemented zones giving a strong reaction to acid. Apparent average specific gravity - 2.00.
CR, CT&D	500	2			310'-370': Sandy silt--reddish brown; loose; ill sorted; silt with fine sand and lenses of medium to coarse, subrounded to subangular quartzose sand and fine granitic gravel. The finer zones give a strong reaction to acid. Apparent average specific gravity - 2.04.
CR, CT&D	600				370'-500': Silty sand--reddish brown; firm to loose; ill sorted; fine to coarse, subrounded to subangular, silty, predominantly quartzose sand and fine, granitic gravel, with lenses of fine to coarse, subrounded to subangular, granitic gravel up to 2". Contains calcareous cemented zones that give a strong reaction to acid. Apparent average specific gravity - 1.85.
CR, CT&D	700				500'-588': Silty sand and gravel--reddish brown; loose; ill sorted; fine to coarse, angular to subrounded, silty, predominantly quartzose sand and fine, angular to subrounded, granitic gravel, up to 1". Slight to no reaction to acid. Apparent average specific gravity - 2.10.
CR, CT&D					588'-618': Silty sand--reddish brown; firm to loose; ill sorted; fine to coarse, angular to subrounded, silty, predominantly quartzose sand and fine, angular to subrounded, granitic gravel, with lenses of calcareous, sandy, silt from about 4" to 18" thick, spaced from about 2' to 4'. The lenses give a strong reaction to acid, little or no reaction elsewhere. Apparent average specific gravity - 1.88.
CR	800				618'-1716': Silty sand and gravel--reddish brown; generally loose; ill sorted; fine to coarse, angular to subrounded, silty, arkosic sand and fine gravel; with gravel lenses about 5" to 24" thick and spaced about 1' to 4' apart, gravels are fine to coarse, few cobbles to 4", subrounded to subangular, generally granitic but with some volcanics at 1160'-1300'; gypsiferous 760'-790'; minor iron oxide generally as spots less than 2-mm. 794'-803'; 811'-861', 1200'-1206', 1400'-1408'; some of the feldspar surfaces have a chalky appearance in zones 760'-794', 811'-816', 1150'-1153', 1300'-1307'; at 1253' are alternating, nearly horizontal, 0.1" to 0.2" beds of silty,
CR	900				
CT&D					
CT&D	1000				

CR = CORE
CT = CUTTINGS
D = DRILLERS LOG

CLAY & CEMENT PACKER

2 BOTTOM OF PIEZOMETER TUBE & SUFFIX NUMBER

D DENSITY SAMPLE
P PERMEABILITY SAMPLE
M MOISTURE SAMPLE

Gravel
Sand
Silt
Clay
Granodiorite

HOLE NO. (D-6-3) 21bba

32 × 8

TYPE OF SAMPLE
DEPTH
PROJECT
HOLE NO.
BEGUN
DEPTH OR

Form No. PHD-22
July 1963

11-7

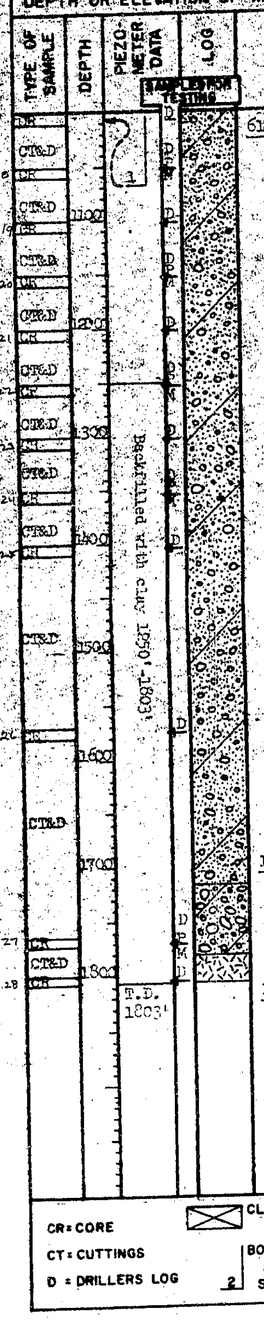
CONDENSED GRAPHIC LOG OF GROUND WATER TEST HOLE

PROJECT CENTRAL ARIZONA PROJECT STATE ARIZONA

HOLE NO. (D-6-3) 21bba GROUND ELEVATION 1335±

BEGUN December 10, 1963 FINISHED January 9, 1964 TOTAL DEPTH 1803'

DEPTH OR ELEVATION OF WATER TABLE D.W. 3/24/64 Pipe #2 - 474'. HOLE LOGGED BY Carver and Hampton



CLASSIFICATION AND PHYSICAL CONDITION

618'-1716': Silty sand and gravel (cont'd.)--fine to medium sand and relatively clean, coarse sand; 1354.3' one horizontal, 0.1", brown, silt bed; 1574' two 1/16" brown silt layers 6" apart one is horizontal the other is somewhat irregular with an apparent dip of 8° to 10°. Mild to no acid reaction. Apparent average specific gravity - 2.20.

1716'-1780': Silty and sandy gravel--reddish brown and gray; generally loose; ill sorted; subangular to subrounded, granitic, coarse gravel and cobbles up to 11" with medium to coarse, angular to subrounded, silty, arkosic sand; many of the feldspars and iron bearing minerals are badly decomposed and oxidized; at 1768.5' is a 6" zone of about 1" gravels with a brownish red, clayey matrix. Mild to no reaction to acid. Apparent average specific gravity - 2.18.

1780'-1803': Granodiorite--gray; fresh; hard; about 50% gray, subhedral, 1-3mm. feldspar, about 40% clear, 1-3mm. quartz, about 10% 1-mm. muscovite and a few euhedral, brown, 1-mm. garnets; the core has two unhealed intersecting joint systems; one has about 50° dip, the other about 50° dip, the joints are spaced 2" to 12". Apparent average specific gravity - 2.65.

CR = CORE
CT = CUTTINGS
D = DRILLERS LOG
CLAY & CEMENT PACKER
2 BOTTOM OF PIEZO-METER TUBE & SUFFIX NUMBER
D DENSITY SAMPLE
P PERME-ABILITY SAMPLE
M MOISTURE SAMPLE
Gravel
Sand
Silt
Clay
Bedrock

HOLE NO. (D-6-3) 21bba