P-W

[redacted]

U.S. BUREAU OF RECLAMATION D-7-8
SW/SW Sec 25-7S-8E, Pinal 11-12

32 × 11

13

County Pinal

Area

Lease No.

Well Name U. S. BUREAU OF RECLAMATION D-7-8 CAP

Location SW/SW Sec 25 Twp 7S Range 8E Footage ~0050 fsl 150 fwl

Elev 1570± Gr KB Spud Date 7-12-63 Completed Abandon 9-21-63 Total Depth 1944

Contractor

Drilled by Rotary
Cable Tool

Casing Size	Depth	Cement
10"	72'	

Production Horizon

Initial Production Water well observation

REMARKS

Elec Logs Condensed graphic log of ground water test hole
Electrical log-2, Sonic Log-Gamma Ray-2

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

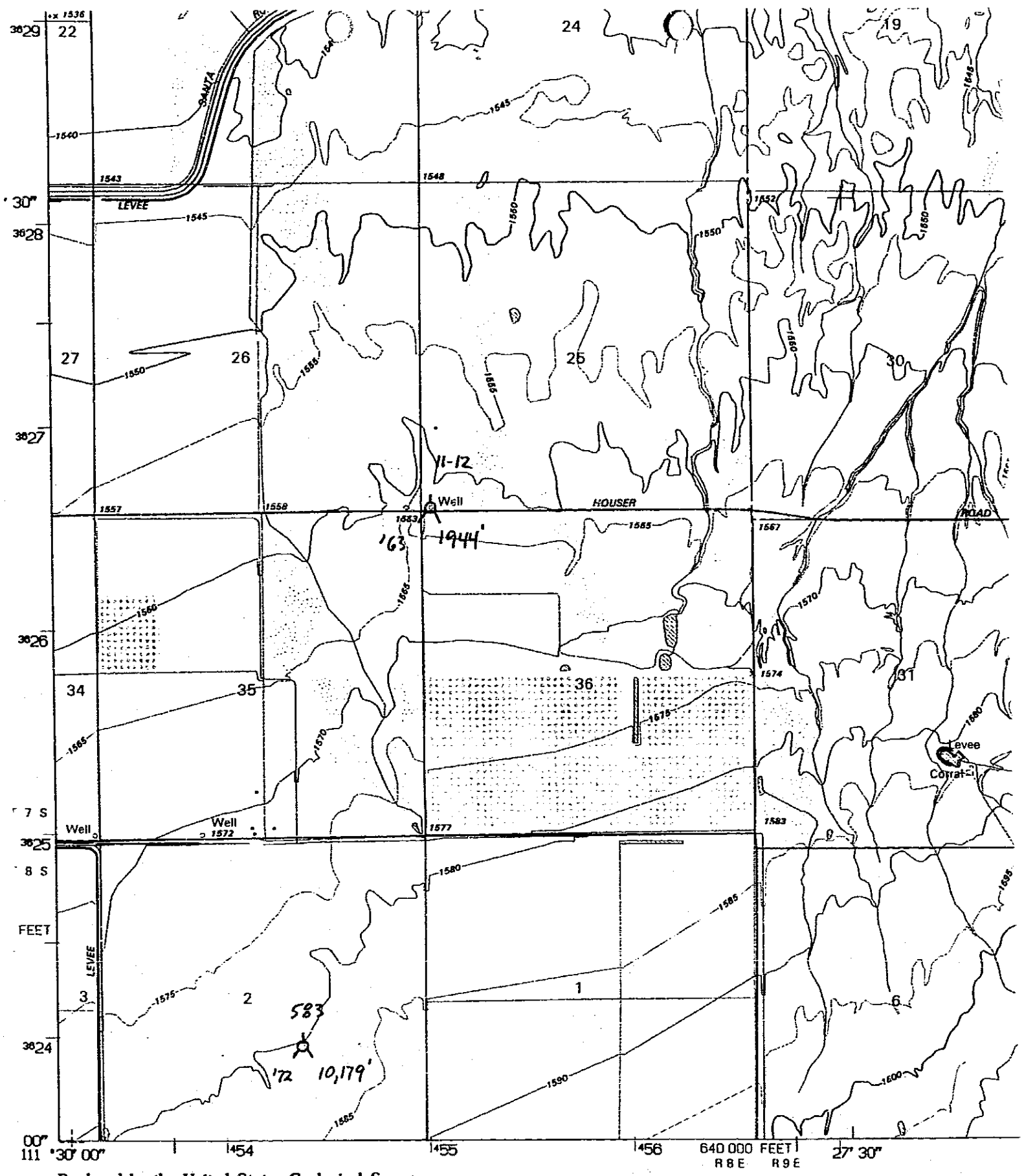
Loc. Plat Dedication

API NO. 02-021-05031

Permit Number Date Issued

11-12

32 ×



Produced by the United States Geological Sur

Control by USGS and NOS/NOAA

Compiled from imagery dated 1963. Revised from imagery dated 1990. PLSS and survey control current as of 1992. Field checked 1992. Map edited 1995. Contours and land elevations have not been revised and may conflict with other content

North American Datum of 1927 (NAD 27). Projection and

Picacho Reservoir

MN
GN
0°14'
12°
213 MILS

1000

32 ×

(D-7-8)25ccc

Form No. PHD-22
July, 1963

- 11-12 2

P-W

Sheet 1 of 2

U.S.B.R.

CONDENSED GRAPHIC LOG OF GROUND WATER TEST HOLE

PROJECT ... CENTRAL ARIZONA PROJECT ... Well No. 1 (?) ... Pinal Co. ... STATE ... ARIZONA

HOLE NO. ... (D-7-8) 25ccc ... 13 ... GROUND ELEVATION ... 1592

BEGUN ... July 12, 1963 ... FINISHED ... September 18, 1963 ... TOTAL DEPTH ... 1944'

DEPTH OR ELEVATION OF WATER TABLE ... D.N. 10/2/63 Pipe #1 - 362', Pipe #2 - 329' HOLE LOGGED BY ... Ford, Burk, and Carver

TYPE OF SAMPLE	DEPTH	PIEZOMETER DATA	LOG	CLASSIFICATION AND PHYSICAL CONDITION
CT		10" casing		0'-4': Topsoil--sandy silt, reddish brown, loose.
				4'-47': Silty sand--reddish brown, loose, fine to coarse grained with occasional subrounded pebbles and boulders, mainly granitic and gneissic.
				47'-56': Sand and gravel--brown, loose, medium to coarse sand, sand and gravel, angular to rounded up to 1", mainly granitic and gneissic.
	100			56'-97': Silty sand to sandy silt--reddish brown, loose, sporadic thin lenses of fine sand, strongly calcareous throughout.
				97'-100': No sample recovered.
CR				100'-175': Sand and gravel--alternating beds of sand and sand and gravel, reddish brown, loose, ill sorted, fine to coarse quartzose sand, gravel to 1", mainly granitic and gneissic, rounded to angular, trace of muscovite, sporadic thin clay lenses below 150'.
CR				
	200			176'-181': No sample recovered.
				181'-186': Silty clay--reddish brown, firm, random sand and gravel fragments, strongly calcareous.
				186'-255': Sand and gravel--reddish brown, loose, fine to coarse quartzose sand, gravel to 1", mainly granitic and gneissic, ill sorted, traces of muscovite and biotite, calcareous zones at 214', 219', and 230'.
	300			255'-287': Clayey to sandy silt--reddish brown with buff streaks, loose to soft to firm, clays are lean, sands are very fine to medium grained, and quartzose, calcareous zones at 256, 258', 260', 262' and 264', very sandy with some pebbles 276'-287'.
				287'-298': Silty clay--brown with buff mottling, very thin lenses of loose fine sand and silt, calcareous zones at 288', 290', 293', 295', and 297'.
	400			298'-378': Silty sand--brown to reddish brown, loose to semiconsolidated, ill sorted, fine to coarse sand with very thin lenses of silt and clay, clays are firm, and commonly exhibit MnO_2 staining, calcareous zones at 305', 307', 310', 316', 319', 327', 339', and 355'. Calcareous cemented sand and gravel 362'-366'. Apparent average specific gravity - 1.71.
	500			378'-391': Sand and gravel--brown, loose, fine to coarse grained sand with gravels up to 1.5", subrounded to subangular, mainly granitic and gneissic.
CR		2		391'-576': Silty to clayey sand--reddish brown to brown to gray, loose to semiconsolidated, fine to coarse grained, numerous thin calcareous zones, very thin lenses of firm silt and clay throughout, silts and clays commonly exhibit MnO_2 staining with mild to strong reaction to acid. Sands are ill sorted, subangular to subrounded, quartzose, strong traces of muscovite, sporadically contains gravel up to 1", numerous calcareous cemented intervals. Apparent average specific gravity - 1.92.
	600			
	700	1		576'-623': Silty to sandy clay--reddish brown to brown, soft to firm, sporadic thin lenses of silt and sand, moderate MnO_2 staining, thin calcareous zones common, mild to strong reaction to acid throughout. Apparent average specific gravity - 2.01.
				623'-687': Silty to clayey sand--reddish brown to brown to gray, loose to semiconsolidated, fine to coarse, subangular to subrounded, quartzose, strong traces of muscovite, numerous thin magnetite layers displaying apparent dips up to 5°, sporadically calcareous cemented, thin interbeds of silt and clay with MnO_2 staining and thin calcareous zones. Apparent average specific gravity - 2.10.
	800			687'-708': Sandy clay--reddish brown, soft to firm, very thin lenses of fine to medium quartzose sand, calcareous zones up to 1" thick, mild to strong reaction to acid throughout. Apparent average specific gravity - 2.06.
				708'-762': Sand--brown to gray, loose to semiconsolidated, ill sorted, fine to coarse, subangular to subrounded, quartzose, strong traces of muscovite, very thin interbeds of magnetite with poor apparent horizontal bedding, very thin streaks of calcareous clay and silt. Apparent average specific gravity - 2.12.
	900			
	1000			

SAMPLES FOR TESTING

CR = CORE
CT = CUTTINGS
D = DRILLERS LOG

CLAY & CEMENT PACKER
BOTTOM OF PIEZOMETER TUBE & SUFFIX NUMBER
D DENSITY SAMPLE
P PERMEABILITY SAMPLE
M MOISTURE SAMPLE
Sand and gravel
Sand
Silt
Clay
Gypsum
Halite
Volcanic Ash

HOLE NO. (D-7-8) 25ccc

32 x 5

Form No. PHD-22
July 1963

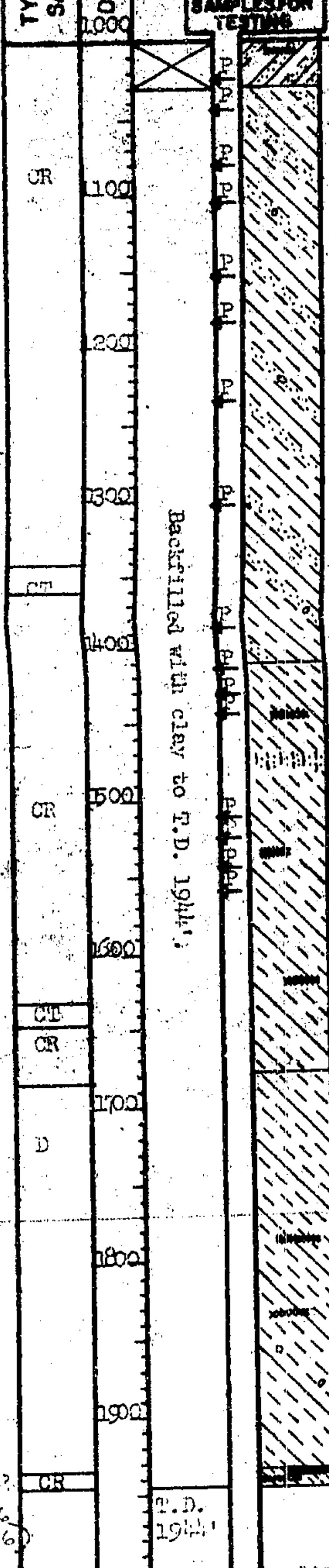
11-12

U.S. Bur. Reclamation 25-7s-8E

CONDENSED GRAPHIC LOG OF GROUND WATER TEST HOLE

PROJECT: CENTRAL ARIZONA PROJECT — Pinal Co. STATE: ARIZONA
HOLE NO.: (D-7-8) 25ccc — GROUND ELEVATION: 1570±
BEGUN: July 12, 1963 — FINISHED: September 18, 1963 — TOTAL DEPTH: 1944'
DEPTH OR ELEVATION OF WATER TABLE: D.W. 10/2/63 Pipe #1 - 362' Pipe #2 - 329' — HOLE LOGGED BY: Ford, Burk, and Carver

TYPE OF SAMPLE | DEPTH | PIEZOMETER DATA | LOG | SAMPLES FOR TESTING



CLASSIFICATION AND PHYSICAL CONDITION

762'-867': Sandy clay--reddish brown to green, mottled, soft to firm, thinly laminated, thin zones of fine to coarse, subangular to subrounded quartzose sand, many thin calcareous zones, mild to strong reaction to acid throughout. Interval 798.4'-800.0' altered volcanic ash. Apparent average specific gravity - 2.03.

867'-890': Sandy silt--reddish to grayish brown, minor mottling, loose to friable, thin lences of fine, subangular to subrounded, quartzose sand, scattered subrounded pebbles and boulders, mild to strong reaction to acid throughout, greenish-gray silt at 888.5'. Apparent average specific gravity - 2.01.

890'-969': Silty to clayey sand--reddish brown to grayish brown to gray, greenish-gray mottling 952'-957' and 938'-941', loose to semiconsolidated, ill sorted, fine to medium, subangular to subrounded, quartzose sand, strong traces of muscovite, poorly to well defined bedding planes, with apparent horizontal dip, interbeds of silt and clay, moderate to no reaction to acid. Apparent average specific gravity - 2.01.

969'-1028': Sandy silt to sandy clay--reddish brown to grayish brown to brown, minor MnO_2 mottling, with a thin green clay lense 1015'±, soft to firm, interbedded silt and fine quartzose sand, micaceous, with scattered calcareous fragments, mild to strong reaction to acid, gypsum plates noted at 1005'. Apparent average specific gravity - 2.05.

1028'-1410': Silty to sandy clay--reddish brown to brown, with grayish brown lenses, and mottling of greenish and bluish gray and black, soft to firm, sporadically laminated, with lenses of grayish brown to gray, ill sorted, fine to coarse, subangular to subrounded, quartzose sand with much mica and scattered granitic pebbles and gravel, variably bedded with irregular, nearly horizontal dip, sporadic calcareous zones and layers, moderate to strong reaction to acid throughout. Salty taste below 1360±. Apparent average specific gravity - 2.07.

1410'-1678': Silty clay--reddish brown to brown, soft to firm to hard, variably defined laminations, contains sporadic lenses of ill sorted, fine to medium, subangular to subrounded micaceous sand that is poorly bedded with variable gentle dip, occasional parting displayed, salty taste, highly gypsiferous throughout, volcanic ash zone noted at 1457±, variable reaction to acid, develops white coating upon drying. Apparent average specific gravity - 2.12.

1678'-1934': Silty clay--reddish brown to brown, with some blue clay below 1900'±, soft to firm, with interbedded ~~evaporites below 1775'±~~, with scattered fine gravel 1860'± to 1900'± (~~hard layers noted at~~ 1855'-1857', 1870'-1874', and 1887'-1892').

Caprock - E.L 1770'

Not cored

1934'-1944': Silty clay--green to blue, soft to firm, thinly laminated, micaceous, apparent horizontal dip, moderate to strong reaction to acid, horizontal parting, with interbeds of dense, greenish gray, cryptocrystalline gypsum 1934'-1936.5', and colorless, transparent, crystalline halite 1936.5'-1944'.

Note: Moisture sample taken with each permeability sample. Densities determined for each 10-foot cored interval.

CR = CORE; CT = CUTTINGS; D = DRILLERS LOG

CLAY & CEMENT PACKER; BOTTOM OF PIEZOMETER TUBE & SUFFIX NUMBER (2)

D DENSITY SAMPLE; P PERMEABILITY SAMPLE; M MOISTURE SAMPLE

Sand and gravel; Sand; Silt; Clay; Gypsum; Halite; Volcanic Ash

HOLE NO. (D-7-8) 25ccc

32 ×

BUREAU OF RECLAMATION D-7-8 11-12

AMOCO

0:1
#11-12

Amoco Production Company
Security Life Building
Denver, Colorado 80202

November 30, 1973

Mr. H. Wesley Peirce
Arizona Bus of Mines
University of Arizona
Tucson, Arizona 85721

Dear Wes:

In reply to your letter of November 16, concerning exchange of faunal lists, this is not possible because of variations in terminology. Our Palynologists identify the taxa and plot them for EDP preservation, frequently using "in house" names for the species identified. Thus, a lot of the data means little to outside workers.

Don Engelhardt, one of our palynologists, commented that the core D-7-8 Sec. 25 appeared to be Pliocene to him, based on the presence of one genus. This is of course, without knowing the state of preservation of the critical pollen, i.e. fresh or reworked.

Sorry we can't be of more help on this.

Sincerely yours,
AMOCO PRODUCTION COMPANY

Glenn

H. G. Richards

HGR:df

Sample was gypsum from about 1900' in a Bur Rec. hole prior to Humble's drilling the Pracho deep hole.

32 x