[redacted]

P-11

U. S. BUREAU OF REC. D-9-7 11-18
SE/NE Sec 34-9S-7E, Pinal Co.

32 × 10

County Pinal

Area

Lease No.

Well Name U. S. BUREAU OF RECLAMATION D-9-7

Location NE/SE/NE Sec 34 Twp 9S Range 7E Footage ~1820 fnl 450 fel

Elev approx. 1637 Gr KB Spud Date 10-10-63 Completed Abandon 11-25-63 Total Depth 2007

Contractor

Drilled by Rotary X
Cable Tool

Casing Size	Depth	Cement
10"	72'	

Production Horizon

Initial Production

REMARKS

Elec Logs graphic log-2, Sonic Log-2, Electrical Log-2

Applic. to Plug Plugging Record Completion Report

Sample Log
Sample Descript.
Sample Set
Core Analysis
DSTs

Water well accepted by

Bond Co. & No.

Bond Am't $ Cancelled Date Organization Report

Filing Receipt Dated Well Book Plat Book

Loc. Plat Dedication

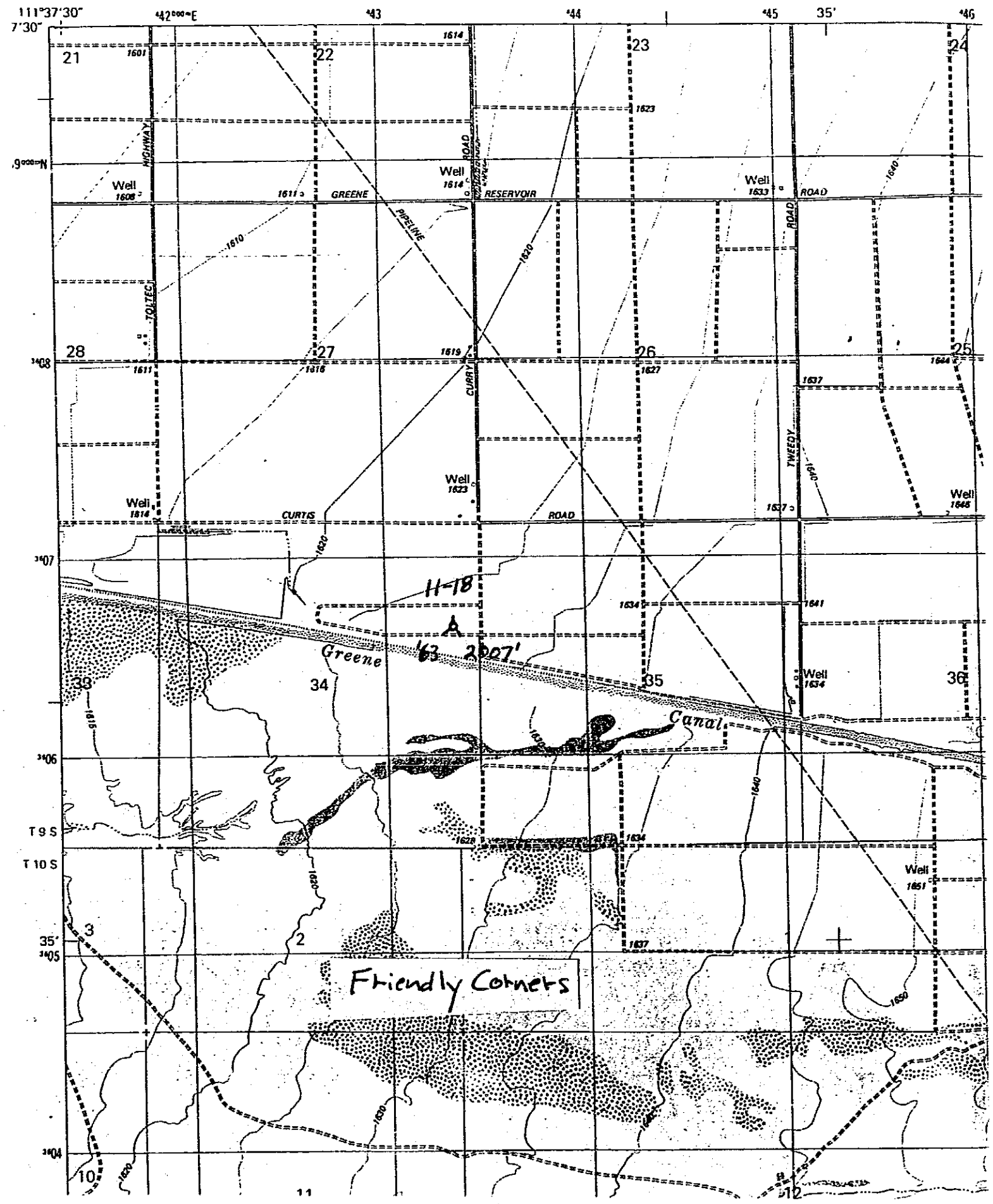
API NO. 02-021-05033

Permit Number Date Issued

11-18

32 ×

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



32×

Form No. PHD-22
July 1963

(D-9-7) 34ada

11-18

34-9s-7E
SE NE

8

Sheet 1 of 2 #11-18

CONDENSED GRAPHIC LOG OF GROUND WATER TEST HOLE

PROJECT ... CENTRAL ARIZONA PROJECT ... STATE ARIZONA

HOLE NO. (D-9-7) 34ada ... GROUND ELEVATION 1,637±

BEGUN October 10, 1963 FINISHED November 25, 1963 Pipe #1 - 301' TOTAL DEPTH 2,007'

DEPTH OR ELEVATION OF WATER TABLE D.W. 12/30/63 Pipe #2 - 219' HOLE LOGGED BY Burk and Carver

TYPE OF SAMPLE	DEPTH	PIEZOMETER DATA	SAMPLES FOR TESTING	LOG	CLASSIFICATION AND PHYSICAL CONDITION
CT & D	0	10" casing			0'-7': Sandy silt--reddish brown, loose, with ill sorted, fine to medium quartzose sand and thin clay lenses, thinly but poorly bedded, no reaction to acid.
					7'-14': Silty clay--reddish brown, soft to firm, with silt and some fine sand. No reaction to acid.
	100				14'-27': Sand--gray to brown, loose, fine to medium, subangular to subrounded, quartzose sand containing some basaltic sand and gravel, occasional silt lenses indicated by driller, minor muscovite.
					27'-67': Sand and gravel--gray, loose, medium to very coarse, subangular to subrounded sand. Cuttings indicate gravel of basaltic, quartzitic, granitic and gneissic origin. Sand predominantly quartz with traces of feldspar, epidote, and muscovite.
	200				67'-400': Sandy clay--brown, soft to firm as indicated by drilling; gravelly 67'-95', with scattered granitic, basaltic and quartzitic gravels 95'-200'; medium to very coarse, angular to subrounded, quartzose sand throughout and in lenses at 190'-200', 250'-270', and 355'-375'. Calcareous fragments 160'-200'. Apparent specific gravity 350' - 2.03.
	300				400'-450': Silty to clayey sand--grayish brown to brown, with dark brown spotting in clay lense 400'-412'; loose, ill sorted, fine to very coarse, angular to subrounded quartzose sand lense 412'-416' with silt throughout scattered granitic and gneissic fine gravel and calcareous fragments, locally strong reaction to acid. Apparent average specific gravity - 1.99.
CR, CT&D			D		450'-500': Clayey silt--reddish brown to brown, with dark brown spotting in clay zones, and minor grayish zones, loose to firm with ill sorted, predominantly fine, subangular to subrounded, quartzose sand, scattered fine gravel, calcareous zones at 458' and 459'. Contains coarse sand lenses 458'-458.5', and 475'-480', variable reaction to acid. Apparent average specific gravity - 1.96.
CR, CT&D	400		D		
CR, CT&D			D		
CR, CT&D			D, P, M		500'-506': Silty sand--brown, loose, poorly bedded, ill sorted, very fine to medium, subangular to subrounded, quartzose; with little silt, 5° dip, magnetite and muscovite common, mild reaction to acid. Apparent average specific gravity - 1.91.
CR, CT&D	500		D		
CR, CT&D			D		506'-705': Silty to sandy clay--reddish brown to brown with black mottling 598'-599.5' black speckling in clay zones, gray caliche zones, greenish gray clay lense 600', soft to firm to friable, with silt lenses and fine to coarse, quartzose sand in lenses, 521'-526', 545'-550', and 665'-675' magnetite and muscovite common, secondary calcite below 556', bentonitic zones 594.3', 594.4', and 598.8'; calcareous zones at 593.3' and 600.4', mild to strong reaction to acid. Apparent average specific gravity - 1.97.
CR, CT&D	600		D		
CR, CT&D			P, M		
CR, CT&D			D		705'-1050': Silty clay--reddish brown, with black speckling, and a thin greenish gray lense at 708', firm to friable, with thin silt interbeds, occasional lenses of ill sorted, fine to coarse, quartzose sand, strong reaction to acid, minor amounts of secondary calcite noted. Apparent average specific gravity - 2.07.
CR, CT&D	700	2	D		
CR, CT&D			D		808' Greenish clay lense.
CR, CT&D	800		D		
CR, CT&D			D		870' Slight salty taste.
CR, CT&D	900		D		900'-904' Sand lenses dip gently about 10°. 904'-908' Black mottling in clay.
CR, CT&D			P, M		
	1000				

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

Gravel
Sand
Silt
Clay

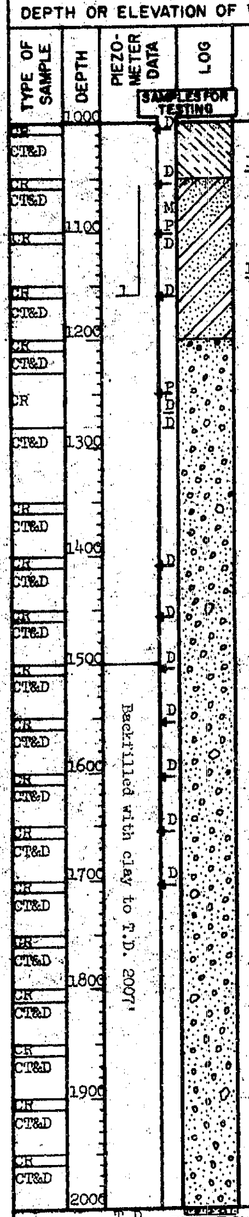
HOLE NO. (D-9-7) 34ada

32 × 8

Form No. PHD-22
July 1963

CONDENSED GRAPHIC LOG OF GROUND WATER TEST HOLE

PROJECT CENTRAL ARIZONA PROJECT STATE ARIZONA
HOLE NO. (D-9-7) 34ada GROUND ELEVATION 1,637±
BEGUN October 10, 1963 FINISHED November 25, 1963 TOTAL DEPTH 2,007'
DEPTH OR ELEVATION OF WATER TABLE D.W. 12/30/63 Pipe #1 - 301' Pipe #2 - 219' HOLE LOGGED BY Burk and Carver



CLASSIFICATION AND PHYSICAL CONDITION

1000'-1010' Sandy to clayey silt.

1050'-1200': Sandy silt to silty sand--reddish to grayish brown, loose to firm, poorly to moderately well sorted, predominantly fine grained quartzose sand, variably bedded. Cross bedding 1/8" to 1/4" thick with apparent dip 35°-40° noted at 1050'-1054', delineated by thin dark mineral and clay layers. Variable reaction to acid. Apparent average specific gravity - 1.94.

1200'-2007': Conglomerate-----reddish brown, with variably colored pebbles and cobbles, variably cemented, sporadic interstitial crystalline calcite. Gravels are predominantly volcanics, ill sorted, fine to coarse, angular to rounded, generally hard and fresh but with sporadic surface staining and carbonate coatings, contains scattered cobbles to 4" diameter. Sands are quartzose, ill sorted, fine to coarse, angular to subrounded, with silt throughout. Variable reaction to acid. Apparent average specific gravity - 2.32.

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

Gravel
Sand
Silt
Clay

32 x 18

PROPERTY OF BRC D-9-7 11-18
Burk, Lynn & Co.