P-14

U.S. BUREAU OF RECLAMATION#1 LIBERTY NO
Sec. 19-T1N-2W MARICOPA COUNTY 1-11 PERMIT

(7-11)
9

County Maricopa

Area

Lease No.

Well Name U. S. BUREAU OF RECLAMATION #1 LIBERTY (PARKER DAVIS PROJECT HOLE #(B-1-2)

Location NL-SF Sec 19 Twp 1N Range 2W Footage est. 2500 fsl 950 fel

Elev 952+ Gr _____ KB Spud Date 9-19-67 Completed ~~Abandon~~ 10-4-67 Total Depth 1208'

Contractor

Drilled by Rotary
Cable Tool

Casing Size	Depth	Cement

Production Horizon

Initial Production

REMARKS Ground Water Test Hole;

Elec Logs Borehole Compensated Sonic Log-Gamma Ray; Condensed Graphic Log; Dual Induction-Laterolog;

Applic. to Plug ___ Plugging Record ___ Completion Report ___

Sample Log
Sample Descript.
Sample Set NNA
Core Analysis
DSTs

Water well accepted by

Bond Co. & No.

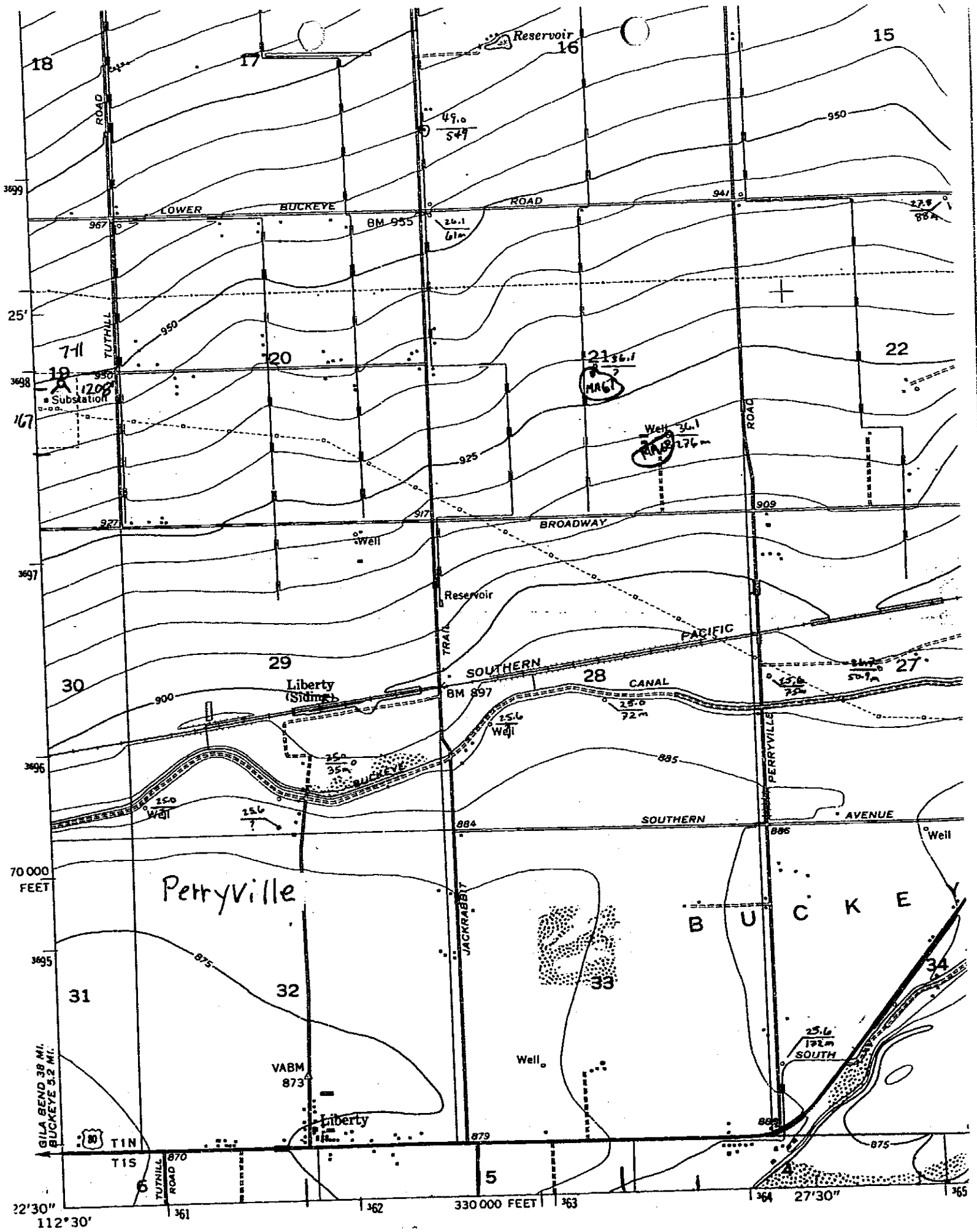
Bond Am't $ Cancelled Date Organization Report

Filing Receipt Dated Well Book ___ Plat Book ___

API No. 02-013-05045 Loc. Plat ___ Dedication

Permit Number None Date Issued

7-11


Reservoir
LOWER BUCKEYE ROAD
BM 955
TUTHILL ROAD
Substation
Well
BROADWAY
Reservoir
TRAIL
PACIFIC
SOUTHERN
CANAL
Liberty (Siding)
BM 897
BUCKEYE
PERRYVILLE ROAD
SOUTHERN AVENUE
Well
Perryville
JACKRABBIT
B U C K E Y
Well
SOUTH
VABM 873
Liberty
GILA BEND 38 MI.
BUCKEYE 5.2 MI.
80
T1N
T1S
TUTHILL ROAD
70 000 FEET
330 000 FEET
22'30"
112°30'
27'30"

19-1N-2W
Maricopa, Az

Form No. PHD-22
July 1963

NP
7-11

OIL & GAS CONSERVATION COMMISSION
STATE OF ARIZONA
4515 N. 7th AVE.
TELEPHONE: 271-5161
PHOENIX, ARIZONA 85013

U.S.B.R. CONDENSED GRAPHIC LOG OF GROUND WATER TEST HOLE

PROJECT PARKER DAVIS PROJECT LIBERTY SUBSTATION PILOT HOLE STATE ARIZONA
HOLE NO. (B-1-2) 19dab GROUND ELEVATION 952' ±
BEGUN September 19, 1967 FINISHED October 4, 1967 TOTAL DEPTH 1208'
DEPTH OR ELEVATION OF WATER TABLE Couldn't measure HOLE LOGGED BY F. W. Carver

TYPE OF SAMPLE	DEPTH	PIEZOMETER DATA	SAMPLES FOR TESTING	LOG	CLASSIFICATION AND PHYSICAL CONDITION
CT&D					0-70': SANDY SILT; reddish brown, admixture of silt with varying amounts of subangular to subrounded, poorly sorted, fine to coarse sand; gives a moderate reaction to acid.
	100				70'-140': GRAVEL; multicolored, loose to weakly cemented, predominantly angular to subrounded, poorly sorted, fine to coarse, up to 2-inches in diameter, mainly volcanic; with minor amounts of very fine to coarse sand, and some clay; gives a weak reaction to acid.
					140'-270': SILTY SAND; grayish to reddish brown, loose to weakly cemented, rounded to subangular, well to poorly sorted, fine to coarse sand; with varying amounts of silt and thin beds of reddish brown clay, contains sporadic angular to subrounded gravel; gives a weak to moderate reaction to acid.
	200				270'-600': CLAY and SANDY SILT; grayish to reddish brown, predominantly silt and fine sand with some well sorted medium to coarse sand; contains thin beds of reddish brown low plasticity clay; gives a weak to moderate reaction to acid.
	300				
	400				
	500				
	600				600'-700': SILTY SAND; grayish brown, loose to weakly cemented, predominantly very fine to fine sand with silt and some clay; below 650' contains well sorted medium to coarse sand; gives a moderate reaction to acid.
	700				700'-1208': CONGLOMERATE; grayish brown, moderately to well indurated, fine to coarse, poorly sorted, sand and gravel, angular to subrounded, gravel up to 1½ inches in diameter mainly of volcanic origin, contains silt and thin beds of reddish brown clay; gives a weak to moderate reaction to acid.
					700'-750': predominantly sand, poorly sorted, fine to coarse, with some reddish brown clayey silt.
	800				750'-1000': silty sand and gravel, poorly sorted fine to coarse sand and silt with fine gravel.
	900				

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

Gravel
Sand
Silt
Clay

OIL & GAS CONSERVATION COMMISSION
STATE OF ARIZONA
4515 N. 7th AVE.
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HOLE NO. (B-1-2) 19dab

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CONDENSED GRAPHIC LOG OF GROUND WATER TEST HOLE

PROJECT PARKER DAVIS PROJECT LIBERTY SUBSTATION PILOT HOLE STATE ARIZONA
HOLE NO. (B-1-2) 19dab GROUND ELEVATION 952'±
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DEPTH OR ELEVATION OF WATER TABLE Couldn't measure HOLE LOGGED BY F. W. Carver

TYPE OF SAMPLE	DEPTH	PIEZOMETER DATA	SAMPLES FOR TESTING	LOG	CLASSIFICATION AND PHYSICAL CONDITION
	1000				1000'-1208': same as above with thin beds of reddish brown clay and gravel up to 1½ inches in diameter.
CT&D	1100				
CR	1200				

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

HOLE NO.(B-1-2)19dab

BUREAU OF RECLAMATION
Sec. 19-T1N-2W MARICOPA CO.