ROSWELL BASIN STUDY, WATER RECORDS PILOT PLANT AREA

NEW MEXICO

R-18

STATE: NEW MEXICO

COUNTY: CHAVES

LATITUDE-LONGITUDE: 33°23'30" - 104°25'30"

WELL NUMBER: 15.19.25.322

DATE COLLECTED: 11-25-69

HOLE DIAM: 7 7/8" to 1660'; 6 1/4" to 1760'

CASING DIAMETER: 5 1/2" to 1760'

(below sea level)

TOTAL DEPTH: 1760'

DRILLER: Layne

CASING(S): 1660'

SCREEN(S): 1660' - 1760'

MISTAKEN

DEPTH (FEET)

SEC. CONDUCTANCE (MICROMHOS)

DRAWN: YAR-AHMAD

CONDUCTANCE (MICROMHOS)

TOP SANTA ROSA (1660')

TOP DEWEY LAKE RED BEDS (1292')

TOP RUSTLER (1320')

TOP SALADO (1460')

TOP CASTILE (1938')

TOP BELL CANYON (4180')

TOP CHERRY CANYON (5180')

TOP BRUSHY CANYON (6110')

TOP BONE SPRING LIME (7810')

TOP WOLFCAMP (9180')

TOP PENNSYLVANIAN (9810')

TOP MISSISSIPPIAN (10,010')

Table 18.--Records of wells in Roswell basin, New Mexico

Well numbers: Consist of 15 digits indicating location to the nearest 10 acres in the township-range system and the sequence in which the well was inventoried. For example, well 15.19.25.322 is the 322d well inventoried in the NW¼SW¼SE¼ sec. 25, T. 15 S., R. 19 E.

Owner: Name of owner at time well was inventoried.

Year completed: Where not known exactly, the approximate year is given.

Type of well: Dr, drilled; Dug, dug; Dr-Dug, drilled and dug.

Depth of well: Reported depth, in feet, below land surface datum.

Diameter of well: Diameter, in inches, of the uppermost part of the well.

Casing: Type and depth, in feet, below land surface datum.

Water level: Depth, in feet, below land surface datum. Measurements by the U. S. Geological Survey are indicated by the letter "m" following the water-level value; all other water levels were reported by the owner or driller.

Method of lift: N, none; Pu, pump; Pu-Wm, pump and windmill; Pu-Sub, pump and submersible motor; Pu-Tur, pump and turbine; Pu-Jet, pump and jet; Pu-Hyd, pump and hydraulic ram; Pu-Gas, pump and gasoline engine; Pu-Elec, pump and electric motor; Wm, windmill; Wm-Elec, windmill and electric generator.

Use of water: D, domestic; I, irrigation; Ind, industrial; P, public supply; Stk, stock; Test, test well; U, unused.

Remarks: Ab, abandoned; Ch, chemical analysis made; Ft, formation tops reported; Log, drillers log available; Obs, observation well; Rec, recorder on well; Rep, reported; Yld, yield reported.

Table 18.--Records of wells in Roswell basin, New Mexico--Continued

Well number	Owner	Year completed	Type of well	Depth of well (feet)	Diameter of well (inches)	Casing	Water level (feet)	Method of lift	Use of water	Remarks
15.19.25.322	Layne	1969	Dr	1760	7 7/8	5½ to 1760'	322.9m	Pu-Sub	Test	Ft, Log
15.19.25.411	Layne	1969	Dr	1760	7 7/8	5½ to 1760'	322.9m	Pu-Sub	Test	Ft, Log
15.19.25.412	Layne	1969	Dr	1760	7 7/8	5½ to 1760'	322.9m	Pu-Sub	Test	Ft, Log
15.19.25.413	Layne	1969	Dr	1760	7 7/8	5½ to 1760'	322.9m	Pu-Sub	Test	Ft, Log
15.19.25.414	Layne	1969	Dr	1760	7 7/8	5½ to 1760'	322.9m	Pu-Sub	Test	Ft, Log
15.19.25.421	Layne	1969	Dr	1760	7 7/8	5½ to 1760'	322.9m	Pu-Sub	Test	Ft, Log
15.19.25.422	Layne	1969	Dr	1760	7 7/8	5½ to 1760'	322.9m	Pu-Sub	Test	Ft, Log
15.19.25.423	Layne	1969	Dr	1760	7 7/8	5½ to 1760'	322.9m	Pu-Sub	Test	Ft, Log
15.19.25.424	Layne	1969	Dr	1760	7 7/8	5½ to 1760'	322.9m	Pu-Sub	Test	Ft, Log
15.19.25.431	Layne	1969	Dr	1760	7 7/8	5½ to 1760'	322.9m	Pu-Sub	Test	Ft, Log
15.19.25.432	Layne	1969	Dr	1760	7 7/8	5½ to 1760'	322.9m	Pu-Sub	Test	Ft, Log
15.19.25.433	Layne	1969	Dr	1760	7 7/8	5½ to 1760'	322.9m	Pu-Sub	Test	Ft, Log
15.19.25.434	Layne	1969	Dr	1760	7 7/8	5½ to 1760'	322.9m	Pu-Sub	Test	Ft, Log
15.19.25.441	Layne	1969	Dr	1760	7 7/8	5½ to 1760'	322.9m	Pu-Sub	Test	Ft, Log
15.19.25.442	Layne	1969	Dr	1760	7 7/8	5½ to 1760'	322.9m	Pu-Sub	Test	Ft, Log
15.19.25.443	Layne	1969	Dr	1760	7 7/8	5½ to 1760'	322.9m	Pu-Sub	Test	Ft, Log
15.19.25.444	Layne	1969	Dr	1760	7 7/8	5½ to 1760'	322.9m	Pu-Sub	Test	Ft, Log