

Table A 5. Record of selected wells in the Rincon Valley area, including adjacent parts of the southern Jornada and Palomas Basins, Doña Ana, Sierra and Luna Counties, NM.

Local Well No.	Owner	7.5 Minute Quadrangle	Ground Elevation	Date Drilled	Well Depth	Water Level	Date Measured	LONG_DD	LAT_DD	Primary Use (footnote 1)	Remarks (footnote 2)	Hydrostratigraphic Units (footnote 3)	Aquifer System	References (footnote 4)
16S.01E.29.1243	Exxon No. 1-Prisor	Prisor Well	~4,580	-	11650	-	-	-106.86194	32.89222	Z	Oil Test; Seager et al. (1987) No. 25	PA/USF1/MSF/250'/Tlvs/1900/Tls	-	10
16S.05W.22.412	W.E. Hanna	Caballo	4,300	-	>100	-	-	-107.33806	32.90167	S	Flowing Well	VA/USF2	USF2	5
16S.05W.23.311	O.B. Dawson	do.	4,282	-	280	1.82	07/10/74	-107.33361	32.90167	I	-	VA/USF2/USFc	USF2/USFc	1, 5
16S.05W.25.143	Earl Riggs	do.	~4,200	-	77	-	-	-107.31222	32.88750	I	DRL: J.A. Tipton	VA/USF2	USF2	4
16S.05W.25.122	U.S. Bureau of Reclamation	do.	4,194	1936	136	24.12	06/05/47	-107.30833	32.89111	I	DRL: George Cook	VA/USF2/USFc	USF2/USFc?	1
16S.05W.25.343	A.J. Osburn	do.	4,194	1947	152	27.20	07/03/47	-107.31222	32.88028	I	DRL: Mickey Plemmons	VA/USF2/128'/MSF2?	USF2/MSF2?	1
16S.05W.26.131	Earl Riggs	do.	4,310	-	300	178.00	05/03/74	-107.33361	32.89083	I	-	VA/USF2	USF2	5
16S.05W.26.313	do.	do.	4,322	-	250	30.30	01/15/76	-107.33361	32.88389	I	-	VA/USF2	USF2	5
16S.05W.36.344	U.S. Government	Garfield	4,145	1975	1200	-	-	-107.30833	32.86556	Z	DRL: Guffey & Sons Drl. Co.; USGS Percha Test Hole	RA/USF2/MSF2	RA/USF2/MSF2	5, 15
17S.01E.30.142	H.R. Hansen	Upham Hills	4,405	-	1035	310.00	04/05/76	-106.87833	32.80500	S	Jornada Draw area, NE of Point of Rocks (Section RE-RE)	PA/USF1/MLS/Tba?	USF1/MLS?	5
17S.01E.36.2222	Dick Hille	Gilmore Draw	4,612	1974	687	408.80	02/20/84	-106.78500	32.79417	I	DRL: Schooler Drl. Co.; LG	PA/USF1/Tmrs or PA/USF1/MSF	Tmrs or MSF1	5
17S.02E.33.443	do.	Fleck Draw	4,770	-	700	596.70	08/02/74	-106.73750	32.77972	S	17S.02E.33.143 (5)	PA/USF1/Tmrs or PA/USF1/MSF	Tmrs or MSF1	5
17S.04W.06.113	Henry Lara	Garfield	4,148	-	81	-	-	-107.28278	32.86222	I	DRL: J.A. Tipton	RA/USF2?	RA	5, 15
17S.04W.30.133	W.B. Cantrell	do.	~4,135	1947	97	13.30	04/17/47	-107.28278	32.80222	I	DRL: J.A. Tipton	VA/RA/61'/MSF	RA/MSF	1, 15

Local Well No.	Owner	7.5 Minute Quadrangle	Ground Elevation	Date Drilled	Well Depth	Water Level	Date Measured	LONG_DD	LAT_DD	Primary Use (footnote 1)	Remarks (footnote 2)	Hydrostratigraphic Units (footnote 3)	Aquifer System	References (footnote 4)
17S.04W.30.141	T.J. Simpson	do.	~4,150	-	105	-	-	-107.29278	32.80556	I	DRL: J.A. Tipton	VA/RA/USF2	RA/USF2	4, 15
17S.04W.30.4413	Mrs. Bob Luchini	do.	4,135	-	99	-	-	-107.28444	32.79833	I	DRL: J.A. Tipton	VA/20/RA/99?	RA	4, 15
17S.04W.31.323	Adrian Ogaz	do.	4,117	-	85	-	-	-107.29278	32.78444	I	DRL: J.A. Tipton	RA/USF2	RA	4, 15
17S.05W.02.224	Langandorf	do.	~4,150	-	92	-	-	-107.31694	32.86194	I	DRL: J.A. Tipton	RA/86/USF2?	RA	4, 15
17S.05W.13.311	Price-Black Dairy	do.	4,145	-	63	-	-	-107.31667	32.82972	I	DRL: J.A. Tipton	VQ/RA/60/MSF2?	RA	4, 15
17S.05W.24.333	E.W. Powers	do.	~4,145	1946	101	28.00	08/01/47	-107.31667	32.80861	I	DRL: George Cook	VA/RA/73/MSF2	RA	1, 15
17S.05W.26.242	Lloyd Welch	do.	~4,145	1947	88	28.00	04/17/47	-107.31694	32.80500	I	DRL: Mickey Plemmons	VA/RA/84/MSF2	RA	1, 15
18S.01E.02.212	Dick Hille	Gilmore Draw	4,516	-	450	364.20	08/02/74	-106.80556	32.77972	S	18.01E.02.231 (5) USGS Quad: "House Pasture Windmill"	USF1/MSF1	MSF1	5
18S.01E.27.432	U.S. Government	Selden Canyon NE	4,320	1/1/47	350	231.99	02/16/84	-106.82250	32.71083	S	OWN: "Red Lake" Well; WL	USF2/MSF2	USF2/MSF2	1, 4, 5
18S.02W.11.4431	Neil Graham	Alivio	~4,325	-	300	281.20	07/31/74	-107.01056	32.75167	S	18.02W.11.441 (5)	USF1	USF1	5
18S.02W.36.3214	Cluff Land & Cattle	Rincon	4,380	-	380	355.00	08/02/74	-107.00194	32.70028	H	CH	USF2/MSF2	MSF2	5, 14
18S.04W.08.431	Lee Mitchell	Garfield	4,102	-	70	-	-	-107.27139	32.75528	I	DRL: J.A. Tipton	RA/MSF2	RA	4, 15
18S.04W.08.442	Ed Berrage	do.	4,100	-	67	-	-	-107.26306	32.75528	I	DRL: J.A. Tipton	RA/MSF2	RA	4, 15
18S.04W.10.114	-	McLeod Tank	4,279	-	170	115.00	06/26/73	-107.24194	32.76278	S	18.04W.10.121 (5)	VA/USF1	USF1	5

Local Well No.	Owner	7.5 Minute Quadrangle	Ground Elevation	Date Drilled	Well Depth	Water Level	Date Measured	LONG_DD	LAT_DD	Primary Use (footnote 1)	Remarks (footnote 2)	Hydrostratigraphic Units (footnote 3)	Aquifer System	References (footnote 4)
18S.04W.25.441	H.W. Greenfield	Hatch	4,130	-	104	-	-	-107.19917	32.71222	I	DRL: J.A. Tipton	VA/USF2	VA/USF2	4
18S.04W.26.443	Leonard Castillo	do.	4,080	-	70	-	-	-107.21611	32.70889	I	DRL: J.A. Tipton	RA	RA	4
18S.04W.27.312	C.W. Parnell	do.	4,083	-	240	10.00	01/14/76	-107.24194	32.71583	I	-	RA/MSF2	RA/MSF2	5
18S.04W.27.433	Red Russell	do.	4,082	-	72	-	-	-107.23750	32.70889	I	DRL: J.A. Tipton	VA/RA/MSF2	RA	4
18S.04W.35.221	Boggs	do.	4,078	-	214	-7.00	-	-107.21611	32.70861	I	DRL: J.A. Tipton?	VA?/RA/MSF2?/111/MSF2	RA	1
18S.05W.10.2124	U.S. Government	Garfield	4,275	1974	475	42.00	11/12/74	-107.33750	32.76583	Z	DRL: Tipton Drl. Co.; USGS Test Well (Berrenda Creek)	VA/USF1/MSF	USF1/MSF	5, 15
18S.05W.18.434	-	Jug Canyon	4,584	-	>248	248.00	00/00/78	-107.38833	32.73750	S	Clemons (1979), Table 2; Well 2	VA/USF1/MSF?	USF1/MSF?	13
18S.05W.30.343	-	do.	4,526	-	>168	162.00	00/00/78	-107.39639	32.70917	S	USGS Quad: "Outlaw" Well; Clemons (1979), Table 2; Well 3	VA/USF1/MSF?	USF1/MSF?	13
18S.06W.15.133	-	do.	4,810	-	>207	205.00	00/00/78	-107.45444	32.74528	S	Clemons (1979), Table 2; Well 4	VA/USF1/MSF?	USF1/MSF?	13
18S.06W.23.433	-	do.	4,700	-	>130	130.00	00/00/78	-107.42889	32.72361	S	Clemons (1979), Table 2; Well 5	VA/USF1/MSF?	USF1/MSF?	13
19S.02W.03.1222	Village of Rincon	Rincon	4,138	-	260	118.00	03/31/76	-107.03222	32.69306	P	-	USF2/MSF2?	USF2/MSF2?	5, 14
19S.02W.17.431	U.S. Government	do.	4,030	1975	500	-	-	-107.06611	32.65278	Z	DRL: Guffey & Sons Drl. Co.; Dry Hole; USGS Testhole	RA/MSF2	-	5, 14
19S.02W.26.223	Billy Halsell	do.	4,090	05/28/05	292	69.10	06/13/75	-107.01056	32.63083	U	DRL: Guffey & Sons Drl. Co.; LG; CH; Testhole	USF2/MSF2	MSF2	5, 14
19S.03W.09.320	Raymond Avelucia	Hatch	4,058	-	69	-	-	-107.15194	32.66806	I	DRL: J.A. Tipton	RA/MSF2	RA	4

Local Well No.	Owner	7.5 Minute Quadrangle	Ground Elevation	Date Drilled	Well Depth	Water Level	Date Measured	LONG_DD	LAT_DD	Primary Use (footnote 1)	Remarks (footnote 2)	Hydrostratigraphic Units (footnote 3)	Aquifer System	References (footnote 4)
19S.03W.09.400	Village of Hatch	do.	~4,055	-	186	-	-	-107.14333	32.66444	Z	DRL.: J.A. Tipton	VA/RA/53/MSF2	-	4
19S.03W.09.411	Hatch Coop. Gin Co.	do.	4,057	-	2000?	-	-	-107.15167	32.67167	Z	Test Well	RA/80/MSF/335/MSF2/LSF?	-	4
19S.03W.16.411	-	do.	4,099	-	160	9.63	11/20/73	-107.15167	32.65694	H	-	VA?/MSF1	-	5
19S.04W.12.421C	M.L. Blankenship	do.	4,068	1974	125	12.70	01/30/76	-107.19861	32.67222	Z	DRL.: Johnson Drl. Co.; USGS Obs. Well Nest: 121-125'	RA/MSF2	MSF2	5
19S.04W.29.131	Hackey Farms	Arroyo Cuervo	4,489	-	180	160.00	04/30/05	-107.27917	32.63167	S	-	USF2	USF2	5
19S.04W.31.1314	-	Hockett	4,475	-	1020	-	-	-107.28167	32.61694	I?	-	USF/150/MSF2/810/Tba/30/Tmrs	-	13
19S.04W.33.244	Village of Hatch	Souse Springs	4,404	1973	330	88.20	01/15/75	-107.24556	32.61361	P	DRL.: Layne Drl. Co.	USE/MSF	USE/MSF	5
19S.05W.05.141	-	Jug Canyon	4,585	-	>216	212.00	00/00/77	-107.37917	32.69083	S	Clemons (1979), 19.05W.05.144, Table 2: Well 6	VA/USF1/MSF2	USF1?/MSF2	13
19S.05W.08.333	-	do.	4,635	-	>273	268.00	00/00/74	-107.38333	32.66556	S	Clemons (1979), 19.05W.07.444, Table 2: Well 7	VA/USF1/MSF2	USF1?/MSF2	13
19S.05W.16.142	-	Arroyo Cuervo	4,536	-	>210	206.00	00/00/76	-107.35833	32.66167	S	Clemons (1979), 19.05W.16.144, Table 2: Well 8	VA/USF1/MSF2	USF1?/MSF2	13
19S.05W.21.341	-	do.	4,567	-	>214	192.00	00/00/74	-107.36222	32.63944	S	Clemons (1979), Table 2: Well 9	USF1/MSF2	USF1?/MSF2	13
19S.05W.25.131	-	do.	4,523	-	1040	150.00	00/00/76	-107.31556	32.63222	I	Clemons (1979), Table 2: Well 11	See 25.3313	-	13
19S.05W.25.3313	-	Hockett	~4,510	-	1040	-	-	-107.31556	32.62500	I	-	PA/30/USF/300/MSF2	-	5, 13
19S.05W.28.3211	-	Arroyo Cuervo	4,545	-	-	135.00	00/00/76	-107.36222	32.62861	I	Clemons (1979), Table 2: Well 12	-	-	13

Local Well No.	Owner	7.5 Minute Quadrangle	Ground Elevation	Date Drilled	Well Depth	Water Level	Date Measured	LONG_DD	LAT_DD	Primary Use (footnote 1)	Remarks (footnote 2)	Hydrostratigraphic Units (footnote 3)	Aquifer System	References (footnote 4)
19S.06W.03.343	-	Jug Canyon	4,750	-	>266	263.00	00/00/78	-107.44972	32.67861	I	USGS Quad; "North Well"; Clemens (1979), 19.06W.03.344, Table 2: Well 13	PA/USFI/MSFI	USFI?/MSFI	13
19S.06W.36.1444	-	Nutt	4,795	-	>342	341.00	00/00/76	-107.41194	32.61333	I	Clemens (1979), 19.06W.36.311, Table 2: Well 14	VA/Tba-Tmrs	Tba-Tmrs	13
20S.04W.06.214	-	Hockett	4,513	-	160	129.00	05/21/76	-107.28361	32.59972	I	Clemens (1979), 20.04W.06.212, Table 2: Well 15	USF	-	5 (6.213), 13
20S.04W.06.4343	-	do.	4,550	-	1100	168.00	00/00/77	-107.28361	32.58889	I	Clemens (1979), 20.04W.07.221, Table 2: Well 18	USFI/50/Tba	Tba	13
20S.04W.07.144	-	do.	4,552	-	-	154.00	00/00/77	-107.28778	32.58167	I	Clemens (1979), Table 2: Well 17	USFI/Tba?	USFI?/Tba	13
20S.04W.08.133	-	do.	4,585	-	1100	161.00	00/00/78	-107.27917	32.58167	I	Clemens (1979), 20.04W.07.244, Table 2: Well 16	USFI/12/Tba	Tba	13
20S.04W.19.1111	-	do.	4,560	-	700	154.00	00/00/78	-107.28194	32.55972	I	-	USFI/533/Tba	USFI/Tba	13
20S.04W.19.1222	-	do.	4,580	-	510	193.00	00/00/77	-107.28778	32.55972	I	Clemens (1979), Table 2: Well 19	USFI/~600/Tba	USFI/Tba	13
20S.04W.19.1311	-	do.	4,558	-	940	171.00	00/00/74	-107.28194	32.55611	I	Clemens (1979), Table 2: Well 20	USFI/528/Tba	Tba	13
20S.04W.19.3122	-	do.	4,587	-	680	186.00	00/00/78	-107.29194	32.55250	I	Clemens (1979), 20.04W.19.324, Table 2: Well 21	USFI/80/Tba	Tba	13
20S.05W.02.1111	-	do.	4,500	-	745	-	-	-107.33250	32.59194	I	-	PA/USF/MSF2/742/Tmrs	MSF2/Tmrs	13
20S.05W.03.1121	-	do.	4,505	-	600	126.00	00/00/74	-107.34556	32.59194	I	Clemens (1979), Table 2: Well 22	PA/USF/MSF2/466/Tba/562/Tmrs	MSF2/Tba/Tmrs	13
20S.05W.04.112	-	do.	4,512	-	500	131.00	00/00/74	-107.36250	32.59194	I	Clemens (1979), 20.05W.04.110, Table 2: Well 23	PA/USF/MSF2/425/Tba/460/Tmrs	MSF2/Tba/Tmrs	13
20S.05W.04.321	-	do.	4,500	-	-	134.00	00/00/78	-107.36222	32.59750	I	Clemens (1979), 20.05W.04.311, Table 2: Well 24	-	-	13

Local Well No.	Owner	7.5 Minute Quadrangle	Ground Elevation	Date Drilled	Well Depth	Water Level	Date Measured	LONG_DD	LAT_DD	Primary Use (footnote 1)	Remarks (footnote 2)	Hydrostratigraphic Units (footnote 3)	Aquifer System	References (footnote 4)
20S.05W.08.2341	-	do.	4,490	-	219	99.00	00/00/74	-107.37083	32.58333	I	Clemons (1979), Table 2: Well 25	LP/USF/MSF2/199/Tmrs	MSF2/Tmrs	13
20S.05W.09.3143	-	do.	4,465	-	520	67.00	00/00/74	-107.36250	32.57972	I	Clemons (1979), 20.05W.09.331, Table 2: Well 26?	LP/USF/MSF2/Tba	MSF2/Tba	13
20S.05W.19.3133	-	Nutt	4,520	-	437	136.00	00/00/74	-107.38639	32.55056	I	Clemons (1979), Table 2: Well 28	PA/USF/MSF2/208/Tba/221'/Tmrs	MSF2/Tba/Tmrs	13
20S.05W.22.122	-	Hockett	4,470	-		90.00	00/00/74	-107.34139	32.56111	I	Clemons (1979), Table 2: Well 29	LP/USF/MSF2/Tba?	MSF2/Tba?	13
20S.05W.22.4133	-	do.	4,485	-	800	106.00	00/00/74	-107.34111	32.55056	I	Clemons (1979), 20.05W.22.322, Table 2: Well 30	LP/USF/MSF2/Tba?	MSF2/Tba?	13
20S.05W.24.1222	-	do.	4,525	-	650	148.00	00/00/74	-107.30750	32.56111	I	Clemons (1979), 20.05W.13.344, Table 2: Well 27	PA/USF/MSF2/Tba?	MSF2/Tba?	13
20S.05W.26.1423	-	do.	4,530	-	540	158.00	00/00/76	-107.32444	32.54306	I	Clemons (1979), Table 2: Well 31	PA/USF1/MSF2/ 175/Tba/Tmrs	MSF2/Tba/Tmrs	13
20S.05W.27.144	-	do.	4,497	-	500	96.00	00/00/76	-107.34139	32.53972	I	Clemons (1979), 20.05W.27.143, Table 2: Well 32	LP/USF1/MSF2/Tba?	MSF2/Tba?	13
20S.05W.29.3444	-	Nutt	4,477	-	575	56.00	00/00/76	-107.37528	32.53250	I	Clemons (1979), Table 2: Well 33	LP/USF1/MSF2/ 470/Tba/508'/Tmrs	MSF2/Tba/Tmrs	13
20S.05W.30.1111	-	do.	4,505	-	415	119.00	00/00/74	-107.38639	32.54667	I	Clemons (1979), Table 2: Well 34	LP/USF1/MSF2/ 275/Tba/285'/Tmrs	MSF2/Tba/Tmrs	13
20S.05W.31.334	-	do.	4,485	-	441	-	-	-107.39639	32.51806	I	-	LP/15'/Tba/40'/Tmrs	Tba/Tmrs	13
20S.05W.32.4444	-	Hockett	4,505	-	500	94.00	00/00/68	-107.36667	32.51806	I	Clemons (1979), Table 2: Well 37	PA/USF1/92'/Tba/115'/Tmrs	Tba/Tmrs	13
20S.05W.33.344	-	do.	4,518	-	525	106.00	00/00/77	-107.35833	32.51806	I	Clemons (1979), Table 2: Well 39	PA/USF1/100'/Tba/130'/Tmrs	Tba/Tmrs	13
20S.05W.33.4431	-	do.	4,535	-	460	-	-	-107.35361	32.51806	I	-	PA/USF1/90'/Tba/140'/Tmrs	Tba/Tmrs	13
20S.05W.34.114	-	do.	4,525	-	350	129.00	00/00/68	-107.34556	32.52889	I	Clemons (1979), 20.05W.34.111, Table 2: Well 40	PA/USF1/MSF1/Tba?	MSF1/Tba?	13

Local Well No.	Owner	7.5 Minute Quadrangle	Ground Elevation	Date Drilled	Well Depth	Water Level	Date Measured	LONG_DD	LAT_DD	Primary Use (footnote 1)	Remarks (footnote 2)	Hydrostratigraphic Units (footnote 3)	Aquifer System	References (footnote 4)
20S.05W.34.1333	-	do.	4,530	-	610	-	-	-107.34944	32.52528	I	-	PA/USFI/MSFI/300'/Tba/475'/Tmrs	MSFI/Tba/Tmrs	13
20S.06W.24.4322	-	Nutt	4,525	-	380	142.00	00/00/74	-107.40778	32.55111	I	Clemons (1979), 20.06W.24.414, Table 2: Well 43	PA/LP/USFI/MSFI/130'Tba/ 170'/Tmrs	MSF2/Tba/Tmrs	13
21S.05W.06.133	-	do.	4,495	-	516	76.00	00/00/68	-107.40056	32.51083	I	Clemons (1979), Table 2: Well 47	LP/25'/Tba/46'/Tmrs	Tmrs	13

<sup>1</sup> Primary Use: H, domestic; I, irrigation; M, manufacturing/industrial; P, public; S, stock; U, unused; Z, other uses (as noted)

<sup>2</sup> Remarks: DRL: Driller; CSGD: Casing diameter; PI: Perforated interval; CH: Chemical analysis (Table 5 in Wilson et al. 1981); LG: Well logs available (Source reference); OWN: Information from owner; Other well nos. and names

<sup>3</sup> Hydrostratigraphic Units: **LP**: Lake and playa sediments; **RA**: River alluvium (Late Quaternary); **VA**: Valley-border alluvium; **PA**: Piedmont alluvium (Quaternary); **USF**: Upper Santa Fe Group HSUs-undivided; **USF1**: Upper Santa Fe piedmont lithofacies assemblage (*L/a*); **USF2**: Upper Santa Fe basin-floor (ancestral-river)*L/a*; **USFc**: Upper Santa Fe basal conglomeratic *L/a*; **MSF**: Middle Santa Fe HSUs-undivided; **MSF1**: Middle Santa Fe basin-floor (fine-grained)*L/a*; **LSF**: Lower Santa Fe HSUs-undivided; **MLS**: Middle and Lower Santa Fe HSUs-undivided; **Ob**: Quaternary basalt; **Tba**: Middle Tertiary basaltic andesite (intrusives and flows); **Tmrs**: Middle-Lower Tertiary silicic volcanic and sedimentary rocks; **Tmrv**: Middle-Lower Tertiary silicic intrusives; **Tmi**: Middle-Lower Tertiary intermediate-intrusive rocks; **Tti**: Lower Tertiary intermediate-intrusive rocks; **Tls**: Lower Tertiary sedimentary rocks; **K**: Cretaceous and Permian sedimentary rocks; **KP**: Cretaceous and Permian sedimentary rocks; **P**: Permian sedimentary rocks; **Pz**: Upper Paleozoic sedimentary rocks

<sup>4</sup> References: 1. Conover (1954); 2. Leggat et al. (1962); 3. Doty (1963); 4. King et al. (1971); 5. Wilson et al. (1981); 6. Wilson and White (1984); 7. Mack (1985); 8. Myers and Orr (1985); 9. Nickerson (1986, 1995); 10. Seager et al. (1987); 11. Hawley and Lozinsky (1992); 12. Nickerson and Myers (1993); 13. Clemons (1979), Clemons and Seager (1973); 14. Seager and Hawley (1973); 15. Seager and Mack (1991); UP Unpublished