Los Alamos Environmental Restoration Records Processing Facility

SEPT 1976

LA-6461-PR
Progress Report

ER Record I.D.# 0005567
UC-11

Issued: September 1976

LIBRARY COPY

6461

Water Supply at Los Alamos During 1975

by

William D. Purtymun

LANL
G/M/TR

los alamos
scientific laboratory
of the University of California
LOS ALAMOS, NEW MEXICO 87545

An Affirmative Action/Equal Opportunity Employer

12117

UNITED STATES
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION
CONTRACT W-7405-ENG. 36

WATER SUPPLY AT LOS ALAMOS DURING 1975

by

William D. Purtymun

ABSTRACT

The Los Alamos water supply for 1975 consisted of production of 1536 x 10^6 gal from 16 wells in 3 fields, with an addition of 42.5 x 10^6 gal from the gallery in Water Canyon. Water-level trends are as anticipated under current production practices. Rehabilitation of wells G-3 and G-4 has increased the production capabilities of the Guaje field. Construction of a new well will begin in 1976 and should be completed in 1977 or 1978. Until the well is operational, an exceedingly dry summer, or outage of a high-yield well during a peak production period, could result in a water shortage. Rehabilitation of older wells should be continued to ensure a dependable supply and efficient use of already established booster stations and transmission lines. Annual production and water-level statistics are presented on hydrographs, for the period of record, for the 16 supply wells, 1 observation well, and the gallery in Water Canyon. Monthly production and water-level statistics are also included for the years 1973, 1974, and 1975.

I. INTRODUCTION

This report summarizes pumpage and aquifer conditions for 16 wells in the Los Alamos, Guaje, and Pajarito well fields (Fig. 1). These wells supply most of the water used for municipal and industrial purposes in Los Alamos; a gallery in Water Canyon which supplies the balance of the water supply is also discussed. This report is prepared as a joint effort between the Los Alamos Scientific Laboratory (LASL), Group H-8, and the Utilities and Engineering Division of Zia Company to ensure a reliable and continuing historical record and to provide guidance for management of water resources and long-range planning for the water-supply system. One summary report and four annual reports have been issued as a result of these studies.[1-5] A sixth report extrapolates water-level trends to 1983.[6]

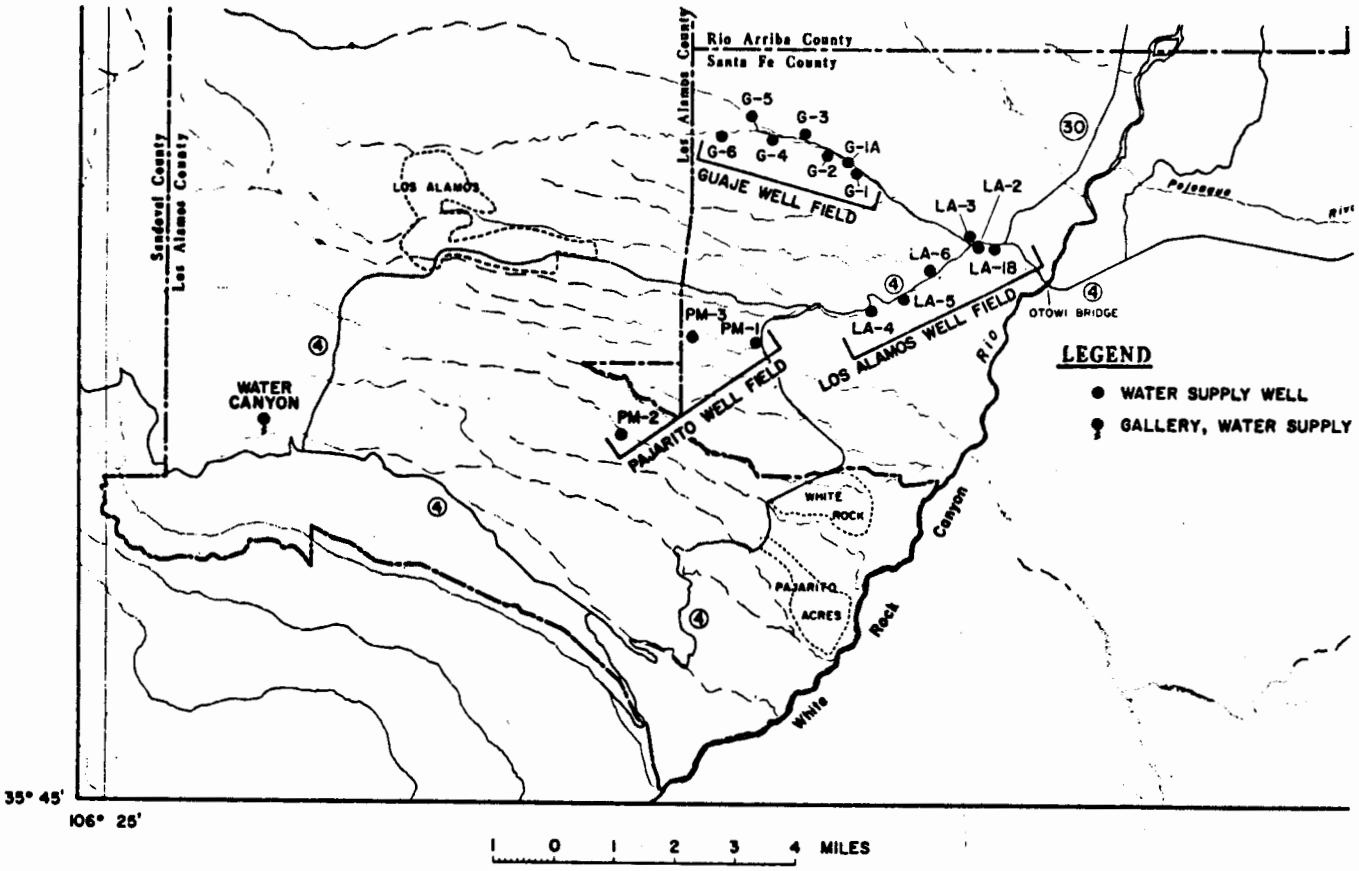

Fig. 1.

Location of well fields, supply wells, and gallery water supply.

The Utilities and Engineering Division of Zia Company, the Energy Research and Development Administration (ERDA)-support contractor at Los Alamos, maintains and operates the water-supply system. Water is pumped from the wells through transmission lines and lifted by booster pumps into reservoirs for storage and distribution in the community and Laboratory areas west of the well fields (Fig. 1). Water from the gallery flows by gravity through a microfilter station and is pumped into one of the system reservoirs for distribution. The Utilities and Engineering Division maintains monthly records of production and hours of operation. Monthly average nonpumping and pumping water levels are computed from airline recorders on each well. These data provide input for a computer program that calculates pumping rates, drawdown (difference between nonpumping and pumping water levels), specific capacity (pump rate per unit drawdown), and other well-field statistics that are included in the report.

Hydrographs have been prepared for 1 observation well, the 16 supply wells in the 3 well fields, and the gallery in Water Canyon. The hydrographs for the wells show annual average nonpumping and pumping water levels, specific capacity, and annual pumpage for the years the wells have been in production. The hydrograph for the gallery presents the annual production and average annual discharge rate. The Appendix contains basic pumping and production statistics for the supply wells, on a monthly basis, for 1973, 1974, and 1975.

II. WELL-FIELD CHARACTERISTICS

Pumpage from the well fields has generally increased since the first wells went into production in 1947 (Fig. 2). The projected demand from 1974 to 1979 is 640 x 10^6 gal (1965 ac-ft) or 128 x 10^6 gal/yr (393 ac-ft/yr).[7]

Production during 1975 was from six wells in the Los Alamos field, seven wells in Guaje field, and three wells in the Pajarito field (Fig. 1). The pumpage from the three fields decreased by 88 x 10^6 gal, from 1624 x 10^6 gal in 1974 to 1536 x 10^6 gal in 1975 (Table I). The total pumpage from the three well fields since 1947 has been 29 909 x 10^6 gal. The annual production for the individual wells is given in Table II. Tables III and IV present the yearly percentages of total pumpage and field pumpage, respectively, for all wells.

The annual average pumping rate for the three well fields increased by 90 gpm, from 8829 gpm in 1974 to 8919 gpm in 1975. The maximum average pumping rate was 9139 in 1968 (Table V). The annual average pumping rate indicates the pumping condition of the wells in the three fields and should not be construed to mean water can be delivered continuously at this rate.

The water levels in the well fluctuate in response to the amount of pumpage. The heaviest demand for water in 1975 occurred in June, July, and August, while January, February, and March were months of least pumpage.

A. Los Alamos Well Field

Pumpage from the Los Alamos well field decreased 13 x 10^6 gal, from 369 x 10^6 gal in 1974 to 356 x 10^6 gal in 1975. The six wells produced 23.2% of the total pumpage (Table I).

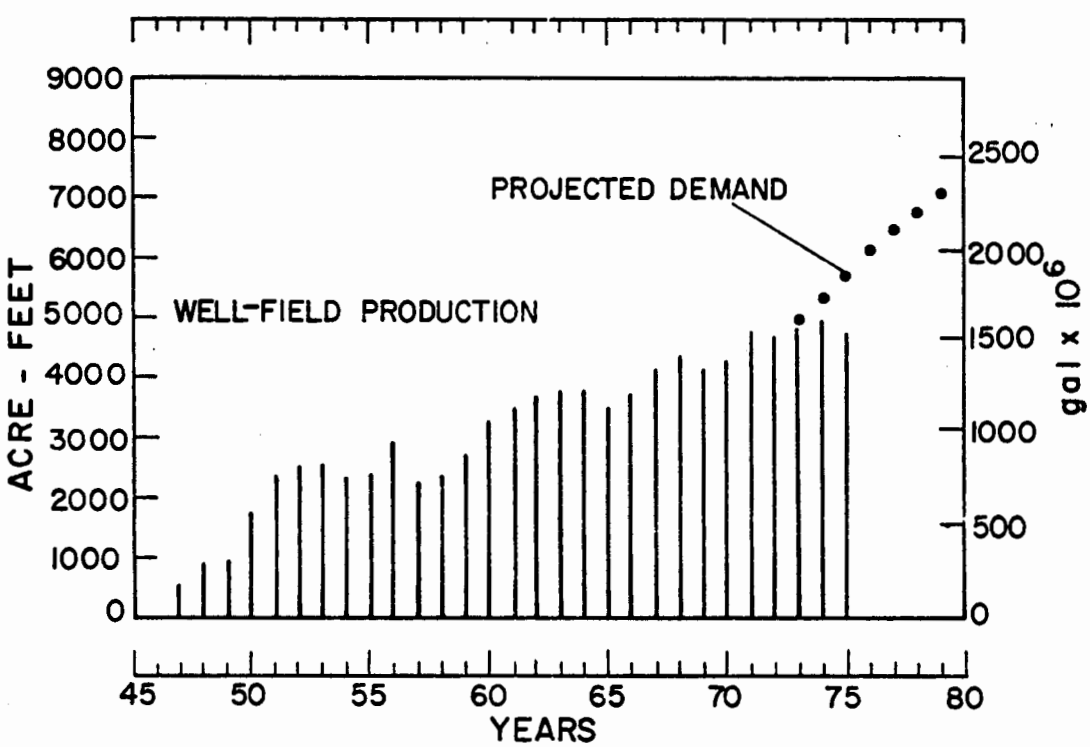

Fig. 2.
Well-field production 1947-75 and projected demand 1973-79.

TABLE I

SUMMARY OF LOS ALAMOS MUNICIPAL WELL FIELD CHARACTERISTICS

ANNUAL PUMPAGE STATISTICS FOR WELL FIELDS

PUMPAGE BY FIELD BY YEAR
IN MILLIONS OF GALLONS

YEAR	LOS ALAMOS CANYON			GUAJE CANYON			PAJARITO MESA			ALL FIELDS	
	PUMPAGE	PERCENT	CUMULATIVE	PUMPAGE	PERCENT	CUMULATIVE	PUMPAGE	PERCENT	CUMULATIVE	PUMPAGE	CUMULATIVE
1947	147	100.0	147	0	0.0	0	0	0.0	0	147	147
1948	264	100.0	411	0	0.0	0	0	0.0	0	264	411
1949	302	100.0	713	0	0.0	0	0	0.0	0	302	713
1950	547	99.5	1260	3	.5	3	0	0.0	0	550	1263
1951	702	91.1	1961	68	8.9	71	0	0.0	0	770	2032
1952	448	56.1	2409	350	43.9	421	0	0.0	0	798	2830
1953	444	54.4	2853	372	45.6	793	0	0.0	0	816	3646
1954	380	50.3	3233	374	49.7	1168	0	0.0	0	754	4400
1955	407	52.1	3640	375	47.9	1542	0	0.0	0	782	5182
1956	437	46.4	4077	506	53.6	2048	0	0.0	0	942	6125
1957	350	48.1	4426	378	51.9	2425	0	0.0	0	727	6852
1958	372	48.5	4798	395	51.5	2821	0	0.0	0	767	7619
1959	391	45.0	5189	478	55.0	3298	0	0.0	0	869	8487
1960	530	49.8	5719	533	50.2	3831	0	0.0	0	1062	9550
1961	546	46.7	6265	624	53.3	4455	0	0.0	0	1170	10720
1962	577	49.1	6842	597	50.9	5052	0	0.0	0	1174	11894
1963	539	45.2	7381	654	54.8	5706	0	0.0	0	1193	13087
1964	627	48.5	8008	665	51.5	6372	0	0.0	0	1292	14380
1965	447	40.0	8455	571	51.1	6943	99	8.9	99	1117	15497
1966	450	37.8	8905	613	51.5	7556	127	10.7	226	1191	16687
1967	373	28.3	9279	464	35.2	8020	481	36.5	707	1319	18006
1968	345	24.6	9623	474	33.8	8494	584	41.6	1291	1402	19408
1969	331	24.8	9954	435	32.6	8929	569	42.6	1860	1335	20743
1970	360	26.1	10314	423	30.7	9352	595	43.2	2454	1377	22120
1971	412	26.5	10726	484	31.1	9835	657	42.3	3111	1553	23673
1972	380	25.2	11107	467	30.9	10302	662	43.9	3774	1510	25183
1973	406	25.9	11512	475	30.3	10778	685	43.7	4459	1566	26748
1974	369	22.7	11881	453	27.9	11231	802	49.4	5261	1624	28373
1975	356	23.2	12237	431	28.0	11662	749	48.8	6010	1536	29909

TABLE II

SUMMARY OF LOS ALAMOS MUNICIPAL WELL FIELD CHARACTERISTICS

ANNUAL PUMPAGE STATISTICS FOR SUPPLY WELLS

TOTAL PUMPAGE BY WELL BY YEAR
IN MILLIONS OF GALLONS

YEAR	LOS ALAMOS CANYON WELL FIELD							GUAJE CANYON WELL FIELD							PAJARITO MESA WELL FIELD			TOTAL
	LA-1	LA-1B	LA-2	LA-3	LA-4	LA-5	LA-6	G-1	G-1A	G-2	G-3	G-4	G-5	G-6	PM-1	PM-2	PM-3	
1947	54	0	28	65	0	0	0	0	0	0	0	0	0	0	0	0	0	147
1948	35	0	59	83	43	40	5	0	0	0	0	0	0	0	0	0	0	264
1949	27	0	42	42	37	58	96	0	0	0	0	0	0	0	0	0	0	302
1950	11	0	16	58	165	130	168	3	0	0	0	0	0	0	0	0	0	550
1951	15	0	58	67	174	187	201	38	0	4	7	13	7	0	0	0	0	770
1952	3	0	46	59	120	110	110	75	0	78	65	57	74	0	0	0	0	798
1953	0	0	47	70	109	104	114	97	0	106	76	55	38	0	0	0	0	816
1954	0	0	57	57	78	80	107	78	5	86	66	59	81	0	0	0	0	754
1955	10	0	49	49	94	97	108	70	53	79	69	23	80	0	0	0	0	782
1956	0	0	44	42	120	105	126	83	108	96	88	34	97	0	0	0	0	942
1957	0	0	30	26	105	86	102	56	87	76	70	24	64	0	0	0	0	727
1958	0	0	31	34	110	90	107	68	93	80	69	36	49	0	0	0	0	767
1959	0	0	41	35	114	93	108	82	103	85	75	32	102	0	0	0	0	869
1960	0	36	52	38	146	119	139	96	123	97	82	37	98	0	0	0	0	1062
1961	0	125	44	35	130	100	113	112	147	105	80	45	134	0	0	0	0	1170
1962	0	129	36	45	129	108	129	94	136	100	84	42	142	0	0	0	0	1174
1963	0	117	41	42	130	105	103	115	150	106	87	46	151	0	0	0	0	1193
1964	0	130	34	50	155	119	138	114	129	105	79	43	150	45	0	0	0	1292
1965	0	98	40	43	111	51	104	91	117	83	66	24	117	75	99	0	0	1117
1966	0	84	21	46	116	79	104	103	133	95	74	34	83	92	108	19	0	1191
1967	0	85	5	47	77	74	85	70	91	68	53	45	80	58	111	370	0	1319
1968	0	74	11	43	82	63	72	79	103	66	56	31	81	56	68	328	187	1402
1969	0	76	4	40	62	68	82	68	91	69	51	17	83	56	34	280	255	1335
1970	0	80	7	44	83	66	79	65	92	63	55	8	89	51	66	301	228	1377
1971	0	89	32	45	89	74	82	68	112	87	64	21	88	43	101	340	216	1553
1972	0	75	39	40	83	64	79	66	94	73	51	33	92	57	85	385	192	1510
1973	0	87	47	20	92	68	91	67	88	72	47	37	97	65	47	381	258	1566
1974	0	74	37	43	82	53	80	62	93	82	49	34	69	64	96	451	255	1624
1975	0	74	40	43	82	64	52	56	85	74	43	41	75	57	95	385	269	1536

TABLE III

SUMMARY OF LOS ALAMOS MUNICIPAL WELL FIELD CHARACTERISTICS

ANNUAL PUMPAGE STATISTICS FOR SUPPLY WELLS

PER CENT OF TOTAL PUMPAGE BY WELL BY YEAR

YEAR	LOS ALAMOS CANYON WELL FIELD							GUAJE CANYON WELL FIELD							PAJARITO MESA WELL FIELD		
	LA-1	LA-1B	LA-2	LA-3	LA-4	LA-5	LA-6	G-1	G-1A	G-2	G-3	G-4	G-5	G-6	PM-1	PM-2	PM-3
1947	36.9	0.0	18.8	44.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1948	13.1	0.0	22.4	31.2	16.2	15.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1949	8.9	0.0	13.8	13.8	12.4	19.4	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1950	1.9	0.0	2.8	10.5	30.0	23.7	30.6	.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1951	1.9	0.0	7.5	8.7	22.6	24.3	26.2	4.9	0.0	.5	.9	1.6	.9	0.0	0.0	0.0	0.0
1952	.4	0.0	5.8	7.3	15.0	13.7	13.8	9.5	0.0	9.8	8.2	7.1	9.2	0.0	0.0	0.0	0.0
1953	0.0	0.0	5.8	8.5	13.4	12.7	14.0	11.9	0.0	12.9	9.4	6.8	4.6	0.0	0.0	0.0	0.0
1954	0.0	0.0	7.5	7.6	10.4	10.6	14.2	10.3	.6	11.4	8.8	7.8	10.7	0.0	0.0	0.0	0.0
1955	1.2	0.0	6.3	6.2	12.1	12.4	13.8	9.0	6.8	10.1	8.9	2.9	10.3	0.0	0.0	0.0	0.0
1956	0.0	0.0	4.7	4.5	12.8	11.1	13.3	8.8	11.4	10.2	9.3	3.6	10.3	0.0	0.0	0.0	0.0
1957	0.0	0.0	4.1	3.6	14.5	11.8	14.1	7.7	12.0	10.5	9.7	3.3	8.8	0.0	0.0	0.0	0.0
1958	0.0	0.0	4.1	4.4	14.4	11.7	13.9	8.9	12.1	10.4	9.1	4.7	6.4	0.0	0.0	0.0	0.0
1959	0.0	0.0	4.7	4.0	13.1	10.8	12.5	9.5	11.8	9.7	8.6	3.6	11.7	0.0	0.0	0.0	0.0
1960	0.0	3.4	4.9	3.6	13.7	11.2	13.0	9.0	11.6	9.1	7.8	3.5	9.2	0.0	0.0	0.0	0.0
1961	0.0	10.7	3.8	3.0	11.1	8.6	9.6	9.6	12.6	9.0	6.8	3.8	11.5	0.0	0.0	0.0	0.0
1962	0.0	11.0	3.0	3.9	11.0	9.2	11.0	8.0	11.6	8.5	7.1	3.6	12.1	0.0	0.0	0.0	0.0
1963	0.0	9.8	3.4	3.6	10.9	8.8	8.6	9.6	12.5	8.9	7.3	3.9	12.7	0.0	0.0	0.0	0.0
1964	0.0	10.1	2.6	3.9	12.0	9.2	10.7	8.8	10.0	8.1	6.1	3.3	11.6	3.5	0.0	0.0	0.0
1965	0.0	8.8	3.6	3.9	10.0	4.5	9.3	8.1	10.4	7.4	5.9	2.1	10.5	6.7	8.9	0.0	0.0
1966	0.0	7.1	1.8	3.9	9.7	6.7	8.7	8.6	11.2	8.0	6.2	2.8	7.0	7.7	9.1	1.6	0.0
1967	0.0	6.4	.4	3.6	5.8	5.6	6.5	5.3	6.9	5.1	4.0	3.4	6.1	4.4	8.4	28.1	0.0
1968	0.0	5.3	.8	3.0	5.8	4.5	5.1	5.6	7.4	4.7	4.0	2.2	5.8	4.0	4.9	23.4	13.4
1969	0.0	5.7	.3	3.0	4.6	5.1	6.1	5.1	6.8	5.1	3.8	1.3	6.2	4.2	2.6	21.0	19.1
1970	0.0	5.6	.5	3.2	6.1	4.8	5.7	4.7	6.7	4.6	4.0	.6	6.5	3.7	4.8	21.8	16.5
1971	0.0	5.7	2.0	2.9	5.7	4.8	5.3	4.4	7.2	5.6	4.1	1.4	5.7	2.8	6.5	21.9	13.9
1972	0.0	5.0	2.6	2.6	5.5	4.3	5.2	4.4	6.2	4.9	3.4	2.2	6.1	3.8	5.6	25.5	12.7
1973	0.0	5.6	3.0	1.3	5.9	4.4	5.8	4.3	5.6	4.6	3.0	2.4	6.2	4.2	3.0	24.3	16.5
1974	0.0	4.5	2.3	2.7	5.1	3.2	4.9	3.8	5.7	5.0	3.0	2.1	4.2	3.9	5.9	27.8	15.7
1975	0.0	4.8	2.6	2.8	5.4	4.2	3.4	3.6	5.6	4.8	2.8	2.7	4.9	3.7	6.2	25.1	17.5

TABLE IV

SUMMARY OF LOS ALAMOS MUNICIPAL WELL FIELD CHARACTERISTICS

ANNUAL PUMPAGE STATISTICS FOR SUPPLY WELLS

PER CENT OF FIELD PUMPAGE BY WELL BY YEAR

YEAR	LOS ALAMOS CANYON WELL FIELD							GUAJE CANYON WELL FIELD							PAJARITO MESA WELL FIELD		
	LA-1	LA-1B	LA-2	LA-3	LA-4	LA-5	LA-6	G-1	G-1A	G-2	G-3	G-4	G-5	G-6	PM-1	PM-2	PM-3
1947	36.9	0.0	18.8	44.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1948	13.1	0.0	22.4	31.2	16.2	15.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1949	8.9	0.0	13.8	13.8	12.4	19.4	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1950	1.9	0.0	2.9	10.6	30.2	23.8	30.7	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1951	2.1	0.0	8.2	9.5	24.7	26.7	28.7	55.3	0.0	5.8	10.7	18.4	9.8	0.0	0.0	0.0	0.0
1952	.8	0.0	10.3	13.1	26.7	24.5	24.6	21.6	0.0	22.4	18.7	16.3	21.1	0.0	0.0	0.0	0.0
1953	0.0	0.0	10.6	15.7	24.6	23.4	25.7	26.1	0.0	28.4	20.5	14.8	10.1	0.0	0.0	0.0	0.0
1954	0.0	0.0	15.0	15.1	20.6	21.1	28.2	20.8	1.2	23.1	17.6	15.7	21.6	0.0	0.0	0.0	0.0
1955	2.4	0.0	12.1	11.9	23.2	23.9	26.5	18.8	14.1	21.0	18.5	6.1	21.4	0.0	0.0	0.0	0.0
1956	0.0	0.0	10.1	9.6	27.5	23.9	28.8	16.5	21.3	18.9	17.4	6.7	19.2	0.0	0.0	0.0	0.0
1957	0.0	0.0	8.5	7.5	30.1	24.6	29.3	14.8	23.0	20.2	18.6	6.4	17.0	0.0	0.0	0.0	0.0
1958	0.0	0.0	8.4	9.0	29.7	24.2	28.7	17.2	23.4	20.3	17.6	9.1	12.4	0.0	0.0	0.0	0.0
1959	0.0	0.0	10.4	8.9	29.0	23.9	27.7	17.3	21.5	17.7	15.6	6.6	21.3	0.0	0.0	0.0	0.0
1960	0.0	6.9	9.7	7.2	27.5	22.5	26.2	18.0	23.0	18.1	15.5	6.9	18.4	0.0	0.0	0.0	0.0
1961	0.0	22.8	8.1	6.4	23.7	18.4	20.6	18.0	23.6	16.9	12.8	7.2	21.5	0.0	0.0	0.0	0.0
1962	0.0	22.4	6.2	7.9	22.4	18.7	22.4	15.7	22.8	16.7	14.0	7.0	23.8	0.0	0.0	0.0	0.0
1963	0.0	21.8	7.6	7.9	24.2	19.5	19.1	17.6	22.9	16.2	13.2	7.1	23.1	0.0	0.0	0.0	0.0
1964	0.0	20.8	5.5	8.0	24.7	18.9	22.1	17.1	19.4	15.8	11.8	6.4	22.6	6.8	0.0	0.0	0.0
1965	0.0	21.9	8.9	9.7	24.9	11.3	23.2	15.9	20.4	14.5	11.5	4.2	20.5	13.1	100.0	0.0	0.0
1966	0.0	18.6	4.7	10.2	25.7	17.6	23.1	16.7	21.7	15.4	12.0	5.5	13.6	15.0	85.1	14.9	0.0
1967	0.0	22.7	1.3	12.7	20.7	19.7	22.9	15.1	19.7	14.6	11.4	9.6	17.2	12.5	23.1	76.9	0.0
1968	0.0	21.5	3.3	12.4	23.7	18.4	20.8	16.6	21.8	14.0	11.9	6.6	17.1	11.9	11.7	56.2	32.1
1969	0.0	22.8	1.1	12.1	18.7	20.7	24.6	15.7	20.9	15.8	11.7	4.0	19.2	12.8	6.0	49.2	44.8
1970	0.0	22.2	2.0	12.2	23.2	18.4	22.0	15.3	21.9	14.8	13.1	1.8	21.0	12.1	11.1	50.6	38.3
1971	0.0	21.6	7.7	11.0	21.6	18.1	20.0	14.0	23.1	18.1	13.3	4.3	18.3	8.9	15.4	51.7	32.9
1972	0.0	19.8	10.3	10.4	21.7	16.9	20.8	14.1	20.1	15.7	10.9	7.1	19.8	12.2	12.8	58.2	29.0
1973	0.0	21.5	11.5	5.0	22.8	16.9	22.3	14.2	18.5	15.2	10.0	7.8	20.5	13.7	6.8	55.6	37.6
1974	0.0	20.0	10.0	11.8	22.3	14.3	21.6	13.7	20.5	18.1	10.9	7.6	15.2	14.1	12.0	56.2	31.8
1975	0.0	20.9	11.3	12.2	23.1	18.0	14.6	12.9	19.8	17.3	10.0	9.5	17.3	13.1	12.6	51.4	35.9

TABLE V

SUMMARY OF LOS ALAMOS MUNICIPAL WELL FIELD CHARACTERISTICS

ANNUAL PUMPAGE STATISTICS FOR SUPPLY WELLS

AVERAGE YEARLY PUMPING RATE BY WELL BY YEAR IN GALLONS PER MINUTE

YEAR	LOS ALAMOS CANYON WELL FIELD							GUAJE CANYON WELL FIELD							PAJARITO MESA WELL FIELD			TOTAL
	LA-1	LA-1B	LA-2	LA-3	LA-4	LA-5	LA-6	G-1	G-1A	G-2	G-3	G-4	G-5	G-6	PM-1	PM-2	PM-3	
1947	260	0	297	373	0	0	0	0	0	0	0	0	0	0	0	0	0	930
1948	193	0	270	377	454	575	698	0	0	0	0	0	0	0	0	0	0	2567
1949	327	0	421	462	665	553	652	0	0	0	0	0	0	0	0	0	0	3079
1950	311	0	424	345	632	535	623	0	0	0	0	0	0	0	0	0	0	2870
1951	200	0	297	314	590	520	571	539	0	533	634	0	0	0	0	0	0	4197
1952	201	0	380	388	581	533	580	508	0	549	458	395	477	0	0	0	0	5051
1953	0	0	357	374	599	528	597	495	0	541	399	340	436	0	0	0	0	4666
1954	0	0	364	368	611	524	617	496	710	536	412	434	515	0	0	0	0	5587
1955	235	0	370	369	595	513	618	498	577	528	489	323	530	0	0	0	0	5635
1956	0	0	408	380	589	501	610	469	574	513	465	314	530	0	0	0	0	5353
1957	0	0	463	402	618	500	602	444	587	516	465	304	448	0	0	0	0	5350
1958	0	0	445	348	619	498	603	461	578	493	452	304	537	0	0	0	0	5337
1959	0	0	425	320	613	505	583	465	577	480	424	290	581	0	0	0	0	5263
1960	0	644	397	294	594	485	566	449	562	455	383	251	578	0	0	0	0	5658
1961	0	558	344	298	586	473	571	442	571	441	369	269	572	0	0	0	0	5495
1962	0	547	326	321	584	481	555	454	571	408	344	254	565	0	0	0	0	5411
1963	0	536	340	333	585	470	581	424	552	386	317	220	556	0	0	0	0	5298
1964	0	520	296	326	574	467	543	434	560	386	292	201	553	392	0	0	0	5545
1965	0	543	347	369	597	484	550	428	554	389	312	189	554	390	600	0	0	6307
1966	0	540	333	344	588	469	546	420	561	395	308	252	543	391	583	1429	0	7701
1967	0	562	346	347	605	485	567	446	559	410	320	277	554	393	645	1422	0	7939
1968	0	565	375	335	598	472	565	439	557	405	305	251	539	361	615	1415	1343	9139
1969	0	562	407	322	608	475	566	429	561	427	317	222	524	344	602	1412	1310	9088
1970	0	561	354	319	596	468	564	398	556	430	337	212	535	307	619	1420	1307	8983
1971	0	564	296	296	589	466	556	389	563	426	321	213	554	243	617	1402	1300	8796
1972	0	566	299	300	593	467	569	384	544	424	299	196	531	378	586	1393	1309	8837
1973	0	553	296	346	589	460	573	375	531	429	278	206	541	364	460	1388	1320	8707
1974	0	540	301	316	594	460	569	375	520	447	273	214	560	360	606	1381	1313	8829
1975	0	537	290	313	591	460	551	377	519	456	273	346	549	348	615	1383	1312	8919

Well LA-1 ceased operations as a supply well in 1956 due to a reduced yield and a sand problem. It is now used as an observation well to monitor water-level trends in the lower part of the Los Alamos well field. The well was replaced by well LA-1B which is located about 150 ft northeast of LA-1. The water-level trends in well LA-1 generally reflect pumpage from nearby LA-1B. In the past 5 yr water levels have not changed significantly (Fig. 3).

Pumpage from well LA-1B remained about the same, at 74 x 10^6 gal in 19' ' and 1975; water levels remained about the same as in 1974 (Fig. 4).

Pumpage from well LA-2 increased 3 x 10^6 gal in 1975, with water level remaining about the same as in 1974 (Fig. 5).

Pumpage from well LA-3 remained at 43 x 10^6 gal, the same as in 1974; water levels were slightly lower than in 1974 (Fig. 6).

Pumpage from well LA-4 remained at 82 x 10^6 gal, the same as in 1974; water levels were slightly higher than in 1974 (Fig. 7).

Pumpage from well LA-5 increased 11 x 10^6 gal; water levels were slightly higher than in 1974 (Fig. 8).

The pumpage from well LA-6 decreased 28 x 10^6 gal in 1975; water level was slightly higher due to the decreased pumpage (Fig. 9). The well was taken off-line in August 1975, due to a water-quality problem. The arsenic concentrations had increased from 130 μg/ℓ to 160 μg/ℓ from late 1974 to early 1975. Analyses of water in the system indicated that the increased arsenic concentration was not mixing sufficiently with the water from the other wells in the field to meet acceptable levels for municipal use. The well has been placed on stand-by, to be used only in emergencies.

The pumpage from the well field declined to its lowest amount since 1970. There was no significant change in the field's water level from the 1974 water

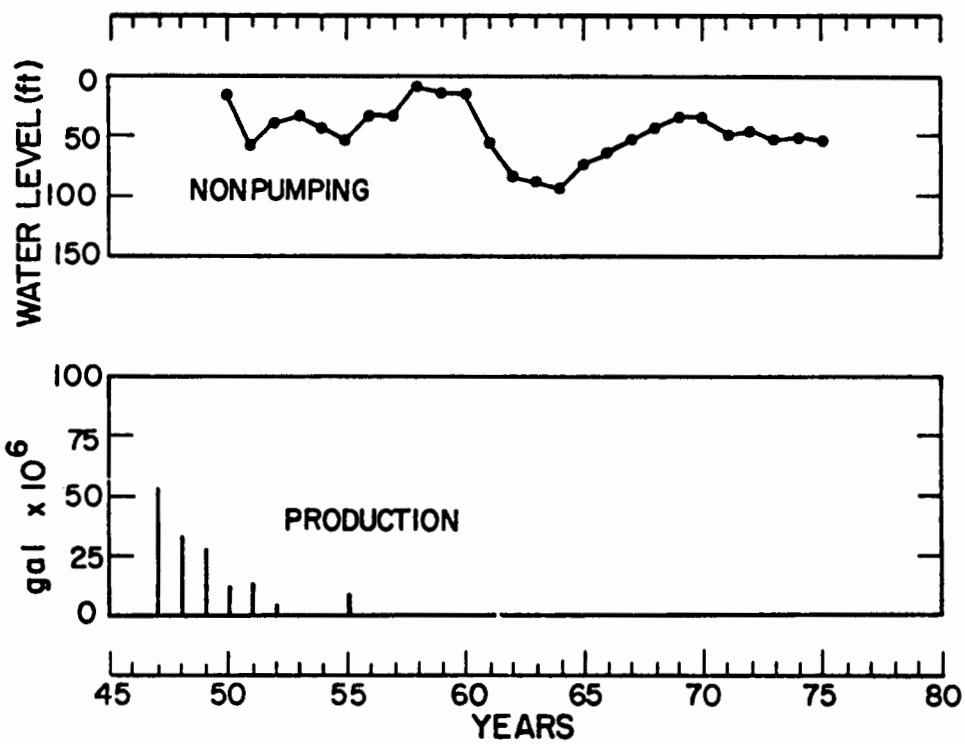

Fig. 3.

Annual average nonpumping water level and annual production, Los Alamos Well LA-1.

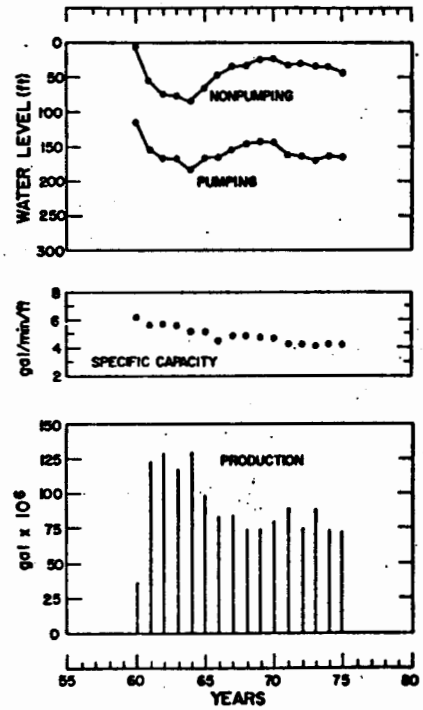

Fig. 4.

Annual average nonpumping and pumping water levels, annual average specific capacity, and annual production, Los Alamos Well LA-1B.

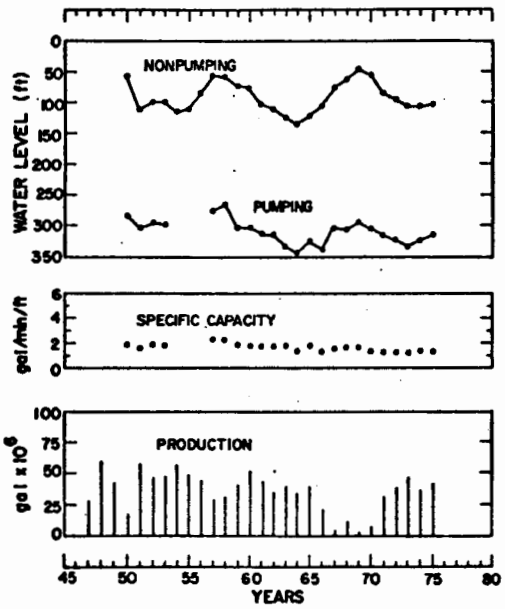

Fig. 5.

Annual average nonpumping and pumping water levels, annual average specific capacity, and annual production, Los Alamos Well LA-2.

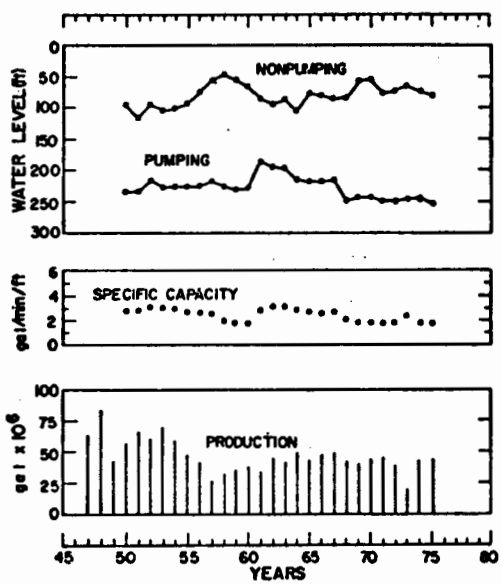

Fig. 6.

Annual average nonpumping and pumping water levels, annual average specific capacity, and annual production Los Alamos Well LA-3.

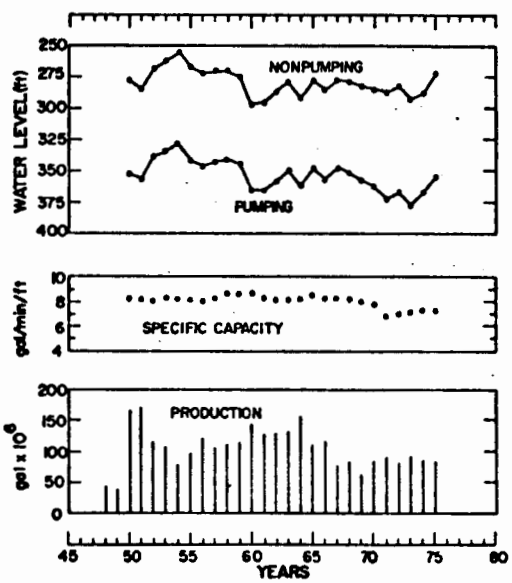

Fig. 7.

Annual average nonpumping and pumping water levels, annual average specific capacity, and annual production, Los Alamos Well, LA-4.

level. The specific capacities of the six wells also remained about the same. Average annual pumping decreased 38 gpm, from 2780 gpm in 1974 to 2742 gpm in 1975.

B. Guaje Well Field

Pumpage from the Guaje well field decreased 22 x 10^6 gal, from 453 x 10^6 gal in 1974 to 431 x 10^6 gal, in 1975. The seven wells in the field produced 28 of the total pumpage (Table I).

The pumpage from well G-1 decreased 6 x 10^6 gal. The water levels in the well continued to decline with the decreased pumpage. The well is located down ground-water gradient from the other six wells in the field, which may in part account for the water-level decline; however, there has been extensive sand accumulation in the well, covering some of the lower screens. There has been a general decline in specific capacity since 1966 (Fig. 10). The well has not been rehabilitated since 1962. The air line became inoperative in September 1975, and since that time no water levels have been recorded.

Pumpage from well G-1A decreased 8 x 10^6 gal from 1974, with slightly higher water levels in 1975 (Fig. 11). The specific capacity of the well continued to improve as the result of a 1973 rehabilitation in which about 104 ft of sediments were removed from the lower part of the well.

Pumpage from well G-2 decreased 8 x 10^6 gal; water levels were slightly higher than in 1974 (Fig. 12).

Pumpage from well G-3 decreased 6 x 10^6 gal. The nonpumping level was slightly higher, while the pumping level declined when compared to 1974 (Fig. 13). The specific capacity continued to decline. The pump was pulled in December 1975 and rehabilitation work was begun. The sand that had accumulated in the well, from depths of 1615 ft to 1790 ft, was cleaned out. The well was

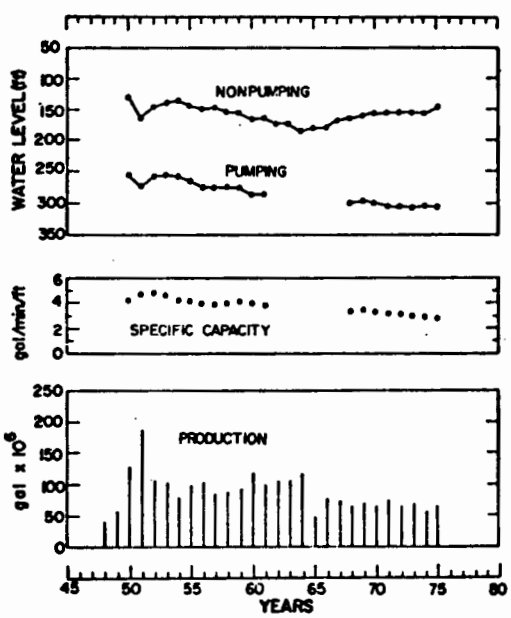

Fig. 8.

Annual average nonpumping and pumping water levels, annual average specific capacity, and annual production, Los Alamos Well LA-5.

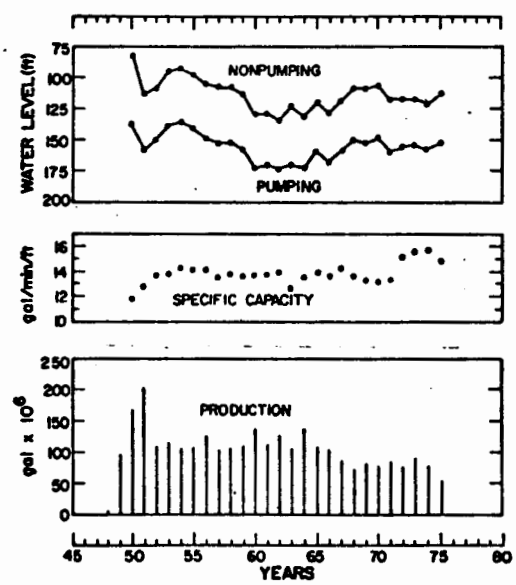

Fig. 9.

Annual average nonpumping and pumping water levels, annual average specific capacity, and annual production, Los Alamos Well LA-6.

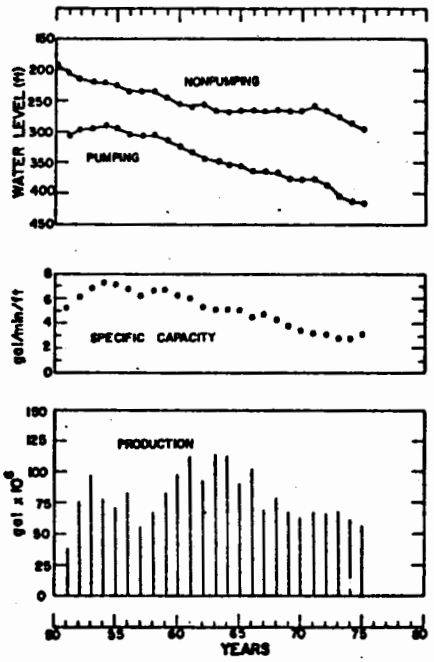

Fig. 10.

Annual average nonpumping and pumping water levels, annual average specific capacity, and annual production, Guaje Well G-1.

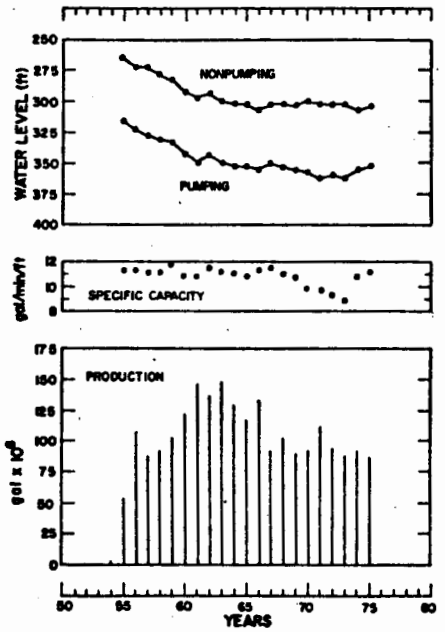

Fig. 11.

Annual average nonpumping and pumping water levels, annual average specific capacity, and annual production, Guaje Well G-1A.

surged with the sand pump to clean scale from the screen and casing. The well was backwashed by pumping water from the field transmission line, at rates of 900 to 1400 gpm, to break up scale in the screen and incrustations in the gravel pack. Total backwash was about 0.5 x 10^6 gal. The well was logged with the bore-hole TV camera prior to, and after, rehabilitation. Logging indicated especially heavy accumulation of scale and incrustations on the well screen below a depth of 850 ft. The rehabilitation, surging, and backwash removed most of the scale and incrustation. The well was placed back in service in February 1976 at a rate of 521 gpm, with a specific capacity of about 5.6 gal/min/ft of drawdown. The December 1975 rate was 275 gpm with a specific capacity of about 3.1 gal/min/ft of drawdown.

Pumpage from well G-4 increased 7 x 10^6 gal; water levels declined significantly when compared to 1974 (Fig. 14), due to increased pumpage and production rate. The pump was pulled from the well in February 1975. The hole was open to a depth of about 750 ft; 1215 ft of sediments had accumulated in the 1965-ft cased portion of the hole. Sediments were cleaned out to a depth of 1185 ft when the sand pump was lost in the hole. Sediments contained some gravel pack, indicating some damage to screen or casing. On February 7 a bore-hole TV camera was run in the well to a depth of 1167 ft. There were a few louvers out of the screen at 765 ft, but no apparent serious damage to the screen or casing. The sand pump was recovered and the sediments were cleaned out to a depth of 1756 ft.

A second run with the camera was made to a depth of 1492 ft (limit of equipment). The resulting video tape indicated that the well screen was damaged from 1270 to 1290 ft, 1312 to 1332 ft, and 1383 to 1393 ft. These sections were so badly damaged that a slotted liner was run into the well. The liner "belled-out"

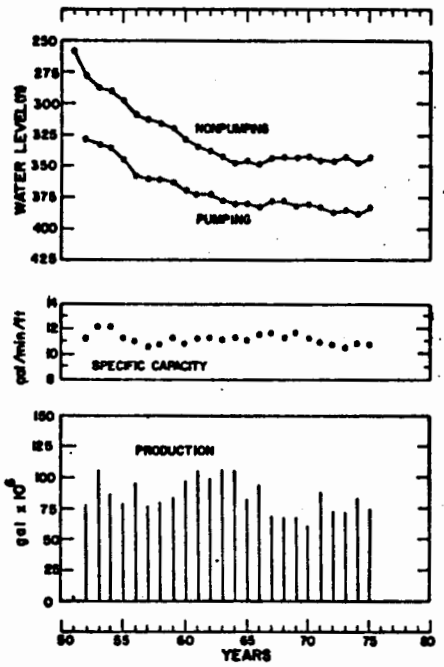

Fig. 12.

Annual average nonpumping and pumping water levels, annual average specific capacity, and annual production, Guaje Well G-2.

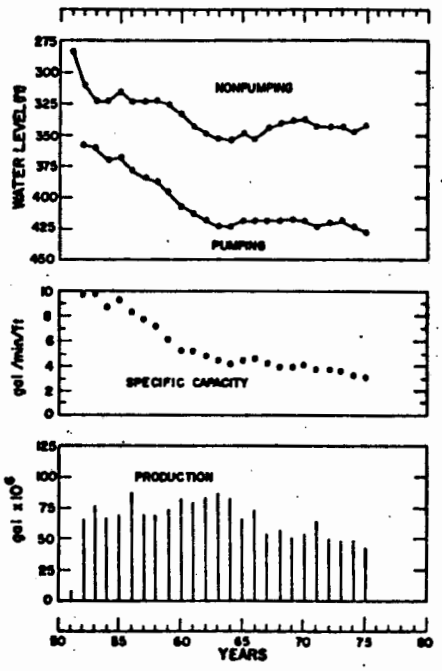

Fig. 13.

Annual average nonpumping and pumping water levels, annual average specific capacity, and annual production, Guaje Well G-3.

at the top, was 7-1/2 in. o.d. mill, and about 536 ft long. The casing was set at 1750 ft with the "bell-out" set in the blank casing (10-3/4 in. o.d.) at a depth of 1214 ft. The pumping rate was increased gradually from June through October to determine the most efficient yield relative to specific capacity and sand produced with pumpage. The average monthly pumping rates during the period ranged from 281 to 404 gpm with specific capacities ranging from 2.1 to 2.4 gal/min/ft of drawdown.

Month	Rate (gpm)	Specific Capacity gal/min/ft
June	281	1.9
July	322	2.1
August	366	2.3
September	379	2.4
October	404	2.4
November	422	2.5
December	408	2.4

Sand produced with pumpage was within acceptable limits and specific capacities indicated pumpage at higher rates would be consistent with aquifer yield and more efficient for production. The pumping rates from October through December ranged from 404 to 422 gpm. Variation in rates is a function of back pressure in the transmission line (number of wells pumping; G-1 through G-3). The decline in the annual water levels in 1975 is consistent with the increased pumping rate (Fig. 14).

Pumpage from well G-5 increased 6 x 10^6 gal; water levels were slightly higher than in 1974 (Fig. 15). The higher water levels were due to rehabilitation work on the well during 1975. Electrical failure of the submersible pump occurred in March, and the pump was removed from the well for repairs. An obstruction in the casing, at a depth of 673 ft, had precluded any rehabilitation of the well below that depth since July 1958. The TV camera was run into the hole, and the obstruction was found to be a sounding weight. Below the weight the well was filled with sediments from 673 to 1840 ft, the cased depth of the well. The sediments removed from the well to a depth of 912 ft consisted of fine sand, gravel pack with clay, sand, gravel pebbles, and cobbles. The formation caved into the well during rehabilitation, with as much as 30 ft of fillup accumulating over night. A second run with the TV camera was made to a depth of 912 ft. Below a depth of 800 ft, water was cloudy and only the outline of the casing and screen could be identified. There were two badly damaged screen sections at depths of 710 to 714 and 738 to 740 ft. Large cobbles, 4 to 6 in. in diameter, could be seen outside the casing with no gravel pack remaining. Due to lack of funds no remedial action was taken to repair the casing. The well was put back in service during the latter part of May. Pumping rates remained about the same, in the range of 550 gpm; however, witn the opening of the well from 673 to 912 ft, the annual average specific capacity increased slightly, as reflected by higher water levels and less drawdown. Sediments from the formation will continue to accumulate in the well from the damaged sections of screen.

Pumpage from well G-6 decreased 7 x 10^6 gal; water levels have risen slightly since 1972 (Fig. 16). The increased drawdown that occurred in 1972 was the result of an increased pumping rate. Specific capacity has remained about the same.

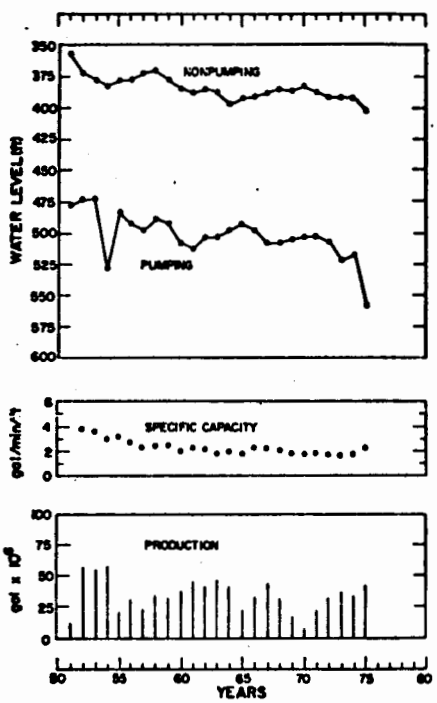

Fig. 14.

Annual average nonpumping and pumping water levels, annual average specific capacity, and annual production, Guaje Well G-4.

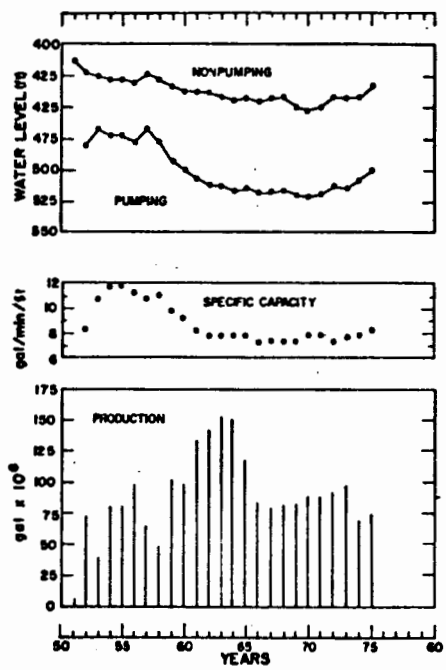

Fig. 15.

Annual average nonpumping and pumping water levels, annual average specific capacity, and annual production, Guaje Well G-5.

Pumpage from the well field declined to its lowest amount since 1970. Water-levels in well G-1 continued to decline. Slight changes in water level in the remaining wells occurred; considering changes in pumping rates and rehabilitation of three of the wells, the variations are not significant. The annual average pumping rate increased 119 gpm, from 2749 gpm in 1974 to 2868 gpm in 1975. Specific capacities in wells where rehabilitation was completed (wells G-4 and G-5) increased slightly. There was no significant change in specific capacity in he remaining five wells.

C. Pajarito Well Field

Pumpage from the Pajarito well field decreased 53 x 10^6 gal, from 802 x 10^6 gal in 1974 to 749 x 10^6 gal in 1975. The three wells in the field produced 48.8% of the total 1975 pumpage (Table I).

Pumpage from well PM-1 decreased 1 x 10^6 gal when compared to 1974; water levels in 1975 declined slightly from the previous year (Fig. 17).

Pumpage from well PM-2 decreased 66 x 10^6 gal in 1975; water levels were slightly lower than in 1974 (Fig. 18).

Pumpage from well PM-3 increased 14 x 10^6 gal in 1975; there were no significant water level changes from 1974 (Fig. 19).

These three wells provide the water supply for White Rock. Total pumpage in 1975 declined slightly from that in 1974. There has been a gentle decline in both pumping and nonpumping water levels since the wells went into production. The annual average pumping rate increased 11 gpm, from 3299 gpm in 1974 to 3310 gpm in 1975. There was no significant change in specific capacity.

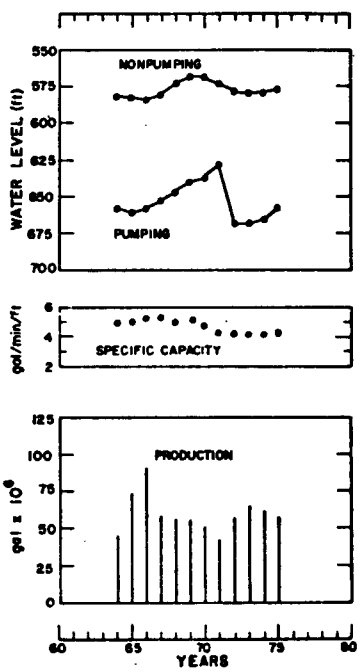

Fig. 16.

Annual average nonpumping and pumping water levels, annual average specific capacity, and annual production, Guaje Well G-6.

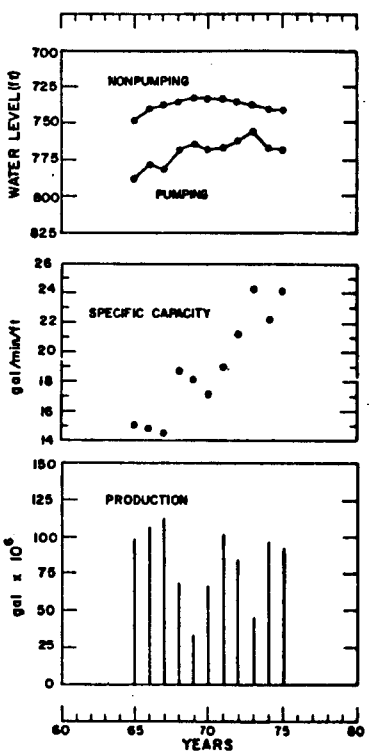

Fig. 17.

Annual average nonpumping and pumping water levels, annual average specific capacity, and annual production, Pajarito Well PM-1.

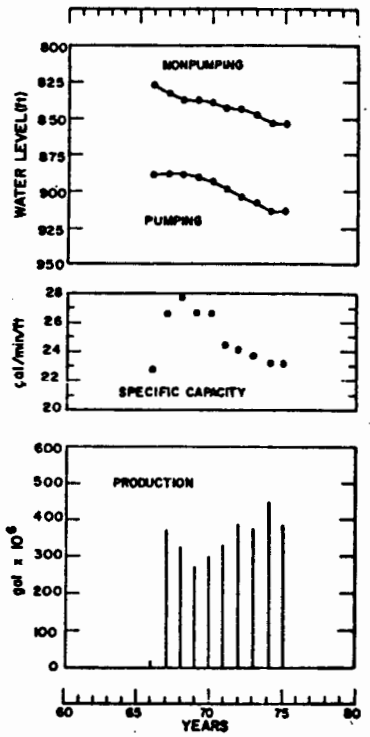

Fig. 18.

Annual average nonpumping and pumping water levels, annual average specific capacity, and annual production Pajarito Well PM-2.

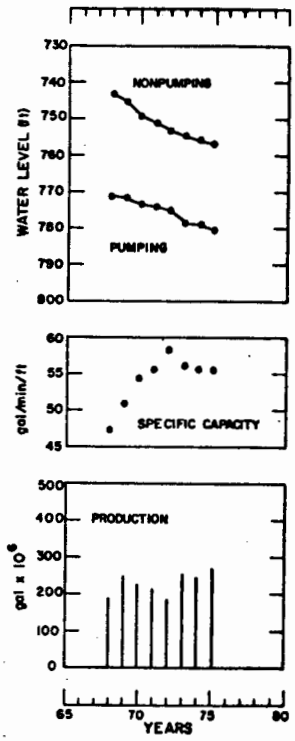

Fig. 19.

Annual average nonpumping and pumping water levels, annual average specific capacity, and annual production, Pajarito Well PM-3.

III. WATER CANYON SUPPLY

Production from the gallery in Water Canyon increased 7 x 10^6 gal, from 35.1 x 10^6 gal in 1974 to 42.5 x 10^6 gal in 1975 (Table VI). Renovation of the gallery to provide total supply should be considered as it is expected that all of the water from the gallery will be used in the near future. In prior years a portion of available water was released into the canyon due to excessive turbidity. An additional water line will be laid to the TA-16 Power Plant where the turbid water can be used.

The gallery has been an excellent source of water, producing as much water from gravity flow as is pumped from some of the weaker wells (Fig. 20).

IV. SUMMARY AND RECOMMENDATIONS

The production from the well fields declined about 88 x 10^6 gal from 1974 to 1975 due to an increased amount of precipitation during the summer, the period of heavy pumpage. This decline should not be construed as a normal trend. The production demand will increase with expansion of Laboratory facilities and as population and housing increase in the County.

Water rights established in 1975 by the State Engineer allow diversion of 1805.5 x 10^6 gal (5541 ac-ft) from Water Canyon Gallery and the three well fields combined. Additional water rights are being sought from the San Juan-Chama Diversion to meet future needs. The projected use by 1980 is about 2410 x 10^6 gal (7395 ac-ft).[7]

TABLE VI

PRODUCTION FROM WATER CANYON GALLERY
IN MILLIONS OF GALLONS

Month	1971	1972	1973	1974	1975
January	3.2	3.3	4.3	3.0	2.9
February	3.0	2.6	2.8	2.6	2.7
March	3.7	2.7	1.9	3.3	0.5
April	3.6	4.1	0.9	4.1	0.0
May	3.3	3.7	4.6	3.9	2.9
June	3.4	3.1	8.9	2.7	9.0
July	2.8	3.1	8.0	0.8	7.2
August	3.1	3.1	5.2	2.8	3.6
September	2.8	3.2	3.4	2.7	3.1
October	2.6	3.5	3.8	3.0	4.0
November	2.5	4.0	2.3	2.9	2.9
December	2.7	3.2	3.1	3.3	3.7
Total	36.7	39.6	49.2	35.1	42.5

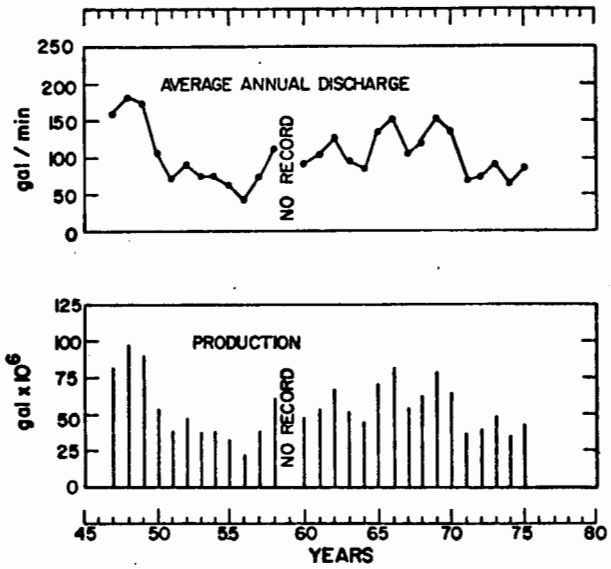

Fig. 20.

Annual average discharge and annual production from the gallery in Water Canyon.

A new well is scheduled for construction in the Pajarito field. It will be 12 to 24 months before it will be in production. Until the well is operational, an exceedingly dry summer, or outage of a high-yield well during a peak demand period, will probably result in a shortage of water.

Future planning should include another well in the Pajarito field and the possible addition of another well in the Guaje field. The present course of development in the County appears to be in this area. The booster station and transmission lines in the Guaje field could easily handle the production from another well.[7]

Well field operations during 1975 were very satisfactory. Water levels in the Los Alamos, Guaje, and Pajarito fields were as expected from trends established in the past ten years. Rehabilitation of wells G-3 and G-4 have increased the production capabilities of the Guaje field. The remedial action taken at well G-4 precludes replacement of the well for the near future. An attempt should be made at well G-5 to clean the sediment from the well and repair the damage to screen sections. This would ensure a more dependable supply.

Rehabilitation of wells by removing sediment accumulations, additional development, and repair of casings and well screens should be continued where possible. Rehabilitation of the older wells is necessary to maintain the already established system and would be less expensive than construction of new wells. Wells to be considered for rehabilitation, based on well deterioration, are LA-3 and G-1, with repair of casing and screen at G-5.

ACKNOWLEDGMENTS

Pumpage statistics were compiled by Hal York (Zia Company), John Purson, Linda Trocki, and Terry Morgan (H-8). Computer output was assembled and run by Robert Fultyn (H-1) and David Dahl (H-8). Group H-8 provided consulting services for rehabilitation of wells G-3, G-4, and G-5 in cooperation with Rudy Velasco, Clint Grant, Joe Daniels, and Jack Moore (Zia Company). Their assistance in data collection and compiling this report is gratefully acknowledged.

REFERENCES

1. W. D. Purtymun and J. E. Herceg, "Summary of Los Alamos Municipal Well-Field Characteristics, 1947-1971," Los Alamos Scientific Laboratory report LA-5040-MS (1972).

2. W. D. Purtymun and J. E. Herceg, "Water Supply at Los Alamos During 1971," Los Alamos Scientific Laboratory report LA-5039-MS (1972).

3. W. D. Purtymun and J. E. Herceg, "Water Supply at Los Alamos During 1972," Los Alamos Scientific Laboratory report LA-5296-MS (1973).

4 W. D. Purtymun and J. E. Herceg, "Water Supply at Los Alamos During 1973," Los Alamos Scientific Laboratory report LA-5636-MS (1974).

5. W. D. Purtymun, "Water Supply at Los Alamos During 1974," Los Alamos Scientific Laboratory report LA-5998-MS (1975).

6. R. L. Cushman and W. D. Purtymun, "An Evaluation of the Yield and Water-Level Relations in the Los Alamos Well Fields for the Period 1974-83 Los Alamos, New Mexico," Los Alamos Scientific Laboratory report, in publication.

7. "Comprehensive Plan for Water System Improvements, Los Alamos, New Mexico," Gordon Herkenhoff and Associates, Inc., Engineers and Planners, 302 Eighth St., Albuquerque, New Mexico 87102, Contract Number AT(29-1)-2201 (1974).

APPENDIX

SUMMARY OF LOS ALAMOS MUNICIPAL WELL-FIELD CHARACTERISTICS

Monthly Pumping and Production Statistics

for Last Three Years

Well LA-1

DATE MO	YR		PUMP TIME HR	PUMP-AGE THSND GAL	RATE GPM	WATER LEVEL NON PUMP FT	WATER LEVEL PUMP FT	DRAW DOWN FT	SPEC CAPACITY GPM/FT	PERCENT OF FIELD PUMP TIME	PERCENT OF FIELD PUMP-AGE	PERCENT OF FIELD RATE	PERCENT OF TOTAL PUMP TIME	PERCENT OF TOTAL PUMP-AGE	PERCENT OF TOTAL RATE	YEARLY AVERAGE PUMP TIME HR	YEARLY AVERAGE PUMP-AGE THSND GAL	YEARLY AVERAGE RATE GPM	CUMULATIVE PUMP TIME THSND HR	CUMULATIVE PUMP-AGE MILLN GAL
JAN	73	1	-0	-0	0	39	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
FEB	73	2	-0	-0	0	39	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
MAR	73	3	-0	-0	0	31	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
APR	73	4	-0	-0	0	37	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
MAY	73	5	-0	-0	0	46	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
JUN	73	6	-0	-0	0	68	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
JUL	73	7	-0	-0	0	89	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
AUG	73	8	-0	-0	0	70	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
SEP	73	9	-0	-0	0	78	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
OCT	73	10	-0	-0	0	62	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
NOV	73	11	-0	-0	0	52	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
DEC	73	12	-0	-0	0	49	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
JAN	74	13	-0	-0	0	47	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
FEB	74	14	-0	-0	0	46	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
MAR	74	15	-0	-0	0	41	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
APR	74	16	-0	-0	0	35	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
MAY	74	17	-0	-0	0	62	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
JUN	74	18	-0	-0	0	84	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
JUL	74	19	-0	-0	0	78	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
AUG	74	20	-0	-0	0	56	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
SEP	74	21	-0	-0	0	64	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
OCT	74	22	-0	-0	0	55	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
NOV	74	23	-0	-0	0	39	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
DEC	74	24	-0	-0	0	31	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
JAN	75	25	-0	-0	0	32	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
FEB	75	26	-0	-0	0	37	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
MAR	75	27	-0	-0	0	35	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
APR	75	28	-0	-0	0	37	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
MAY	75	29	-0	-0	0	58	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
JUN	75	30	-0	-0	0	70	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
JUL	75	31	-0	-0	0	77	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
AUG	75	32	-0	-0	0	72	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
SEP	75	33	-0	-0	0	79	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
OCT	75	34	-0	-0	0	69	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
NOV	75	35	-0	-0	0	67	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7
DEC	75	36	-0	-0	0	87	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	10.6	153.7

Well LA-1B

DATE MO	YR		PUMP TIME HR	PUMP-AGE THSND GAL	RATE GPM	WATER LEVEL NON PUMP FT	WATER LEVEL PUMP FT	DRAW DOWN FT	SPEC CAPACITY GPM/FT	PERCENT OF FIELD PUMP TIME	PERCENT OF FIELD PUMP-AGE	PERCENT OF FIELD RATE	PERCENT OF TOTAL PUMP TIME	PERCENT OF TOTAL PUMP-AGE	PERCENT OF TOTAL RATE	YEARLY AVERAGE PUMP TIME HR	YEARLY AVERAGE PUMP-AGE THSND GAL	YEARLY AVERAGE RATE GPM	CUMULATIVE PUMP TIME THSND HR	CUMULATIVE PUMP-AGE MILLN GAL
JAN	73	1	169	5796	571	20	156	134	4.3	16.7	19.7	19.7	6.6	6.1	6.4	187	6381	566	35.8	1204.2
FEB	73	2	118	4081	574	21	152	131	4.4	14.3	19.7	19.7	5.3	4.9	6.4	186	6329	566	35.9	1208.3
MAR	73	3	158	5199	578	17	150	133	4.3	17.0	20.2	19.9	6.4	5.0	6.4	183	6229	566	36.1	1213.5
APR	73	4	143	6244	569	18	153	135	4.2	17.5	20.8	19.7	6.1	5.7	6.3	179	6097	566	36.3	1219.7
MAY	73	5	225	7599	563	30	166	136	4.1	17.8	20.9	19.8	5.6	5.2	6.4	175	5953	566	36.5	1227.3
JUN	73	6	390	12456	566	50	190	140	3.9	20.0	22.4	19.6	5.6	5.6	6.4	196	6277	562	36.9	1239.8
JUL	73	7	326	10359	530	72	201	129	4.1	20.5	22.8	19.2	6.6	5.9	6.2	194	6196	558	37.2	1250.2
AUG	73	8	317	10207	537	50	188	138	3.9	20.3	22.4	22.6	5.6	5.2	6.6	201	6690	554	37.5	1260.4
SEP	73	9	224	7286	542	58	191	133	4.1	19.3	21.5	22.4	5.5	5.4	6.6	208	6931	554	37.8	1267.6
OCT	73	10	222	7379	554	44	177	133	4.2	19.6	22.1	19.6	6.3	5.6	6.4	213	7061	554	38.0	1275.0
NOV	73	11	156	5272	563	36	166	130	4.3	17.7	20.4	19.6	6.1	5.4	6.8	216	7140	554	38.1	1280.3
DEC	73	12	158	5347	566	29	157	128	4.4	19.8	23.0	19.4	7.0	6.3	7.1	219	7267	553	38.3	1285.6
JAN	74	13	158	5271	556	30	153	123	4.5	20.1	23.0	18.9	7.1	6.2	6.5	218	7223	552	38.4	1290.9
FEB	74	14	130	4334	556	23	147	124	4.5	20.2	23.8	18.8	6.5	5.6	6.6	219	7296	551	38.6	1295.2
MAR	74	15	120	4005	556	22	144	122	4.6	17.9	19.8	18.4	5.7	4.7	6.4	217	7147	550	38.7	1299.3
APR	74	16	170	6400	567	17	145	128	4.4	16.6	19.5	19.6	5.0	4.6	6.7	217	7165	550	38.9	1305.7
MAY	74	17	346	11580	527	48	180	132	4.0	16.9	19.7	19.6	5.1	4.8	6.5	229	7496	546	39.3	1317.3
JUN	74	18	344	10665	517	68	205	137	3.8	17.9	20.4	19.8	5.1	4.6	6.0	226	7367	542	39.6	1328.0
JUL	74	19	244	7600	523	65	190	125	4.2	15.9	18.1	19.5	4.6	3.9	6.0	219	7122	542	39.8	1335.6
AUG	74	20	160	5228	545	35	163	128	4.3	16.8	19.4	19.4	4.9	4.0	6.1	206	6707	543	40.0	1340.8
SEP	74	21	221	7134	538	43	167	124	4.3	17.4	20.3	19.6	5.3	4.6	6.1	206	6695	542	40.2	1348.0
OCT	74	22	143	4602	546	37	157	120	4.5	16.5	19.9	19.3	5.3	4.4	6.1	199	6470	541	40.4	1352.7
NOV	74	23	96	3172	551	21	146	125	4.4	18.2	21.4	19.3	4.6	3.9	6.1	195	6295	540	40.5	1355.8
DEC	74	24	110	3737	562	14	139	126	4.5	16.3	18.8	19.3	4.6	3.9	6.2	190	6158	540	40.6	1359.5
JAN	75	25	98	3300	561	13	131	118	4.8	16.4	18.7	19.0	4.9	4.1	6.2	185	5994	540	40.7	1362.8
FEB	75	26	94	3194	566	22	144	122	4.6	16.8	19.4	19.3	5.1	4.3	6.4	182	5899	540	40.8	1366.0
MAR	75	27	114	3850	563	22	147	125	4.5	17.1	20.1	19.5	5.0	4.3	6.4	182	5886	540	40.9	1369.9
APR	75	28	149	4954	554	23	147	124	4.5	16.9	19.8	19.5	6.4	5.3	6.7	178	5761	539	41.0	1374.8
MAY	75	29	272	8761	537	45	173	128	4.2	16.5	19.5	19.7	5.6	4.9	6.1	170	5526	540	41.3	1383.6
JUN	75	30	348	10838	519	56	186	130	4.0	16.6	19.3	19.4	4.8	4.5	6.0	171	5540	541	41.6	1394.4
JUL	75	31	205	6519	522	59	189	130	4.0	16.3	18.9	19.3	5.2	4.6	6.0	168	5445	541	41.9	1401.0
AUG	75	32	265	8695	547	57	188	131	4.2	18.1	22.1	20.0	6.1	5.4	6.2	176	5734	541	42.1	1409.7
SEP	75	33	236	7435	525	66	191	125	4.2	18.9	23.2	20.7	6.2	5.3	6.1	178	5759	540	42.4	1417.1
OCT	75	34	197	6299	533	51	181	130	4.1	18.9	23.8	21.5	5.9	4.8	6.1	182	5894	539	42.6	1423.4
NOV	75	35	165	5292	535	52	177	125	4.3	20.3	24.9	24.4	6.1	5.4	6.3	188	6070	538	42.7	1428.7
DEC	75	36	162	5288	544	43	162	119	4.6	19.3	22.9	23.9	6.2	4.8	6.3	192	6202	537	42.9	1434.0

Monthly Pumping and Production Statistics

for Last Three Years

Well LA-2

DATE			PUMP TIME	PUMP-AGE	RATE	WATER LEVEL		DRAW DOWN	SPEC CAP-ACITY	PERCENT OF FIELD			PERCENT OF TOTAL			YEARLY AVERAGE			CUMULATIVE	
						NON PUMP	PUMP			PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE
MO	YR		HR	THSND GAL	GPM	FT	FT	FT	GPM/FT							HR	THSND GAL	GPM	THSND HR	MILLN GAL
JAN	73	1	149	3224	318	93	323	230	1.4	16.7	11.8	11.0	6.6	3.4	3.5	185	3345	301	42.4	916.7
FEB	73	2	115	2225	322	97	320	223	1.4	15.8	10.8	11.1	5.2	2.7	3.6	184	3346	303	42.5	918.9
MAR	73	3	150	2893	321	90	322	232	1.4	17.0	11.3	11.1	6.4	3.3	3.6	181	3336	307	42.6	921.8
APR	73	4	143	3330	303	91	329	238	1.3	17.5	11.1	10.5	6.1	3.1	3.4	177	3268	308	42.8	925.1
MAY	73	5	225	4108	304	108	345	237	1.3	17.8	11.8	10.7	5.6	2.8	3.5	173	3249	313	43.0	929.2
JUN	73	6	300	6390	280	119	349	230	1.2	20.0	11.4	10.1	5.6	2.9	3.3	185	3436	309	43.4	935.6
JUL	73	7	326	5419	277	139	354	215	1.3	20.5	11.0	10.0	6.6	3.1	3.2	193	3548	306	43.8	941.0
AUG	73	8	317	5233	275	127	349	222	1.2	20.3	11.4	11.5	5.6	2.6	3.4	200	3630	302	44.1	946.3
SEP	73	9	225	3842	285	117	343	226	1.3	19.4	11.4	11.8	5.5	2.8	3.5	208	3738	299	44.3	950.1
OCT	73	10	222	3922	294	98	330	232	1.3	19.6	11.7	10.4	6.3	3.0	3.4	212	3781	297	44.5	954.0
NOV	73	11	157	3001	319	91	321	230	1.4	17.8	11.4	11.1	6.2	3.1	3.8	216	3847	296	44.7	957.0
DEC	73	12	156	3107	332	107	320	213	1.6	19.6	13.3	11.4	6.9	3.7	4.2	219	3891	296	44.8	960.1
JAN	74	13	157	3121	331	111	326	215	1.5	20.0	13.4	11.3	7.0	3.7	3.9	218	3883	297	45.0	963.2
FEB	74	14	131	2600	331	101	322	221	1.5	20.3	13.8	11.2	6.6	3.3	3.9	219	3914	298	45.1	965.8
MAR	74	15	115	2411	349	104	321	217	1.6	17.2	11.9	11.6	5.4	2.8	4.0	216	3874	299	45.2	968.3
APR	74	16	197	3725	315	96	316	220	1.4	17.2	11.3	10.9	5.1	2.7	3.7	217	3907	300	45.4	972.0
MAY	74	17	365	5897	269	136	361	225	1.2	16.9	10.0	10.0	5.1	2.5	3.3	229	4056	295	45.8	977.9
JUN	74	18	193	3001	264	152	347	195	1.4	10.0	5.9	10.1	2.9	1.3	3.1	213	3778	295	46.0	980.9
JUL	74	19	174	3031	292	129	326	197	1.5	11.4	7.2	10.9	3.3	1.5	3.4	201	3581	297	46.2	984.0
AUG	74	20	140	2933	306	108	320	212	1.4	16.8	11.8	10.9	4.9	2.2	3.4	188	3389	301	46.3	986.9
SEP	74	21	187	3230	286	107	336	229	1.3	14.4	9.2	10.5	4.5	2.1	3.3	184	3338	302	46.5	990.2
OCT	74	22	148	2738	308	101	314	213	1.4	17.1	11.2	10.9	5.5	2.6	3.5	178	3242	303	46.7	992.9
NOV	74	23	96	1811	314	87	310	223	1.4	18.2	12.3	11.0	4.6	2.2	3.5	173	3143	302	46.8	994.7
DEC	74	24	110	2146	331	79	296	217	1.5	16.3	11.1	11.4	4.6	2.3	3.6	169	3064	301	46.9	996.9
JAN	75	25	98	2013	342	82	285	203	1.7	16.4	11.4	11.6	4.9	2.5	3.8	164	2971	301	47.0	998.9
FEB	75	26	94	1910	339	73	285	212	1.6	16.8	11.6	11.5	5.1	2.6	3.8	161	2916	301	47.1	1000.8
MAR	75	27	115	2204	320	73	287	214	1.5	17.3	11.8	11.4	5.0	2.6	3.7	161	2902	300	47.2	1003.1
APR	75	28	152	2892	317	78	299	241	1.4	17.2	11.6	11.2	6.5	3.1	3.9	158	2832	299	47.3	1006.0
MAY	75	29	272	4616	283	100	333	225	1.3	16.5	10.3	10.4	5.6	2.6	3.2	150	2725	303	47.6	1010.6
JUN	75	30	348	5574	267	123	344	221	1.2	16.6	9.9	10.0	4.8	2.3	3.1	163	2935	300	47.9	1016.2
JUL	75	31	278	3432	275	120	341	218	1.3	16.3	9.9	10.2	5.2	2.4	3.1	166	2987	298	48.1	1019.6
AUG	75	32	242	4332	276	110	343	225	1.2	17.9	11.0	10.1	6.0	2.7	3.1	174	3043	295	48.4	1023.9
SEP	75	33	236	3870	273	136	348	210	1.3	18.9	12.1	10.8	6.2	2.8	3.1	178	3136	293	48.6	1027.8
OCT	75	34	198	3390	285	108	332	224	1.3	19.0	12.8	11.5	6.0	2.6	3.3	182	3191	292	48.8	1031.2
NOV	75	35	164	2875	292	115	338	223	1.3	20.2	13.8	13.3	6.1	2.9	3.5	188	3279	291	49.0	1034.1
DEC	75	36	163	3019	309	99	310	211	1.5	19.5	13.1	13.5	6.2	2.8	3.5	192	3349	290	49.2	1037.1

Well LA-3

DATE			PUMP TIME	PUMP-AGE	RATE	WATER LEVEL		DRAW DOWN	SPEC CAP-ACITY	PERCENT OF FIELD			PERCENT OF TOTAL			YEARLY AVERAGE			CUMULATIVE	
						NON PUMP	PUMP			PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE
MO	YR		HR	THSND GAL	GPM	FT	FT	FT	GPM/FT							HR	THSND GAL	GPM	THSND HR	MILLN GAL
JAN	73	1	169	3443	340	71	256	185	1.8	16.7	11.7	11.7	6.6	3.6	3.8	186	3371	301	58.8	1248.4
FEB	73	2	115	2353	341	72	254	182	1.9	15.8	11.1	11.7	5.2	2.9	3.8	185	3300	302	58.9	1250.8
MAR	73	3	147	3069	348	69	254	185	1.9	16.6	12.0	12.8	6.3	3.4	3.8	182	3333	305	59.1	1253.8
APR	73	4	183	3725	339	70	250	180	1.9	17.5	12.4	11.8	6.1	3.4	3.8	178	3246	308	59.3	1257.4
MAY	73	5	90	1798	333	82	257	175	1.9	7.1	4.8	11.7	2.3	1.2	3.8	163	3047	312	59.4	1259.4
JUN	73	6	13	283	363	58	239	181	2.0	.7	.5	13.0	.2	.1	4.2	143	2707	316	59.4	1259.6
JUL	73	7	10	225	375	62	247	185	2.0	.6	.5	13.6	.2	.1	4.4	125	2429	323	59.4	1259.9
AUG	73	8	-0	-0	0	59	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	106	2107	331	59.4	1259.9
SEP	73	9	-0	-0	0	59	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95	1909	336	59.4	1259.9
OCT	73	10	7	154	367	57	240	183	2.0	.6	.5	13.0	.2	.1	4.2	81	1651	340	59.4	1260.0
NOV	73	11	66	1798	348	58	246	188	1.9	9.8	7.6	12.1	3.4	1.9	4.2	79	1622	342	59.5	1261.8
DEC	73	12	157	3458	367	58	237	179	2.1	19.7	14.8	12.6	7.0	4.1	4.6	81	1692	346	59.6	1265.3
JAN	74	13	157	3459	367	63	237	174	2.1	20.0	15.1	12.5	7.0	4.1	4.3	80	1693	351	59.8	1268.7
FEB	74	14	131	2859	364	59	232	173	2.1	20.3	15.2	12.3	6.6	3.7	4.3	82	1736	354	59.9	1271.6
MAR	74	15	115	2664	386	59	233	174	2.2	17.2	13.2	12.8	5.4	3.1	4.5	79	1702	359	60.0	1274.3
APR	74	16	199	4221	354	54	233	179	2.0	17.3	12.8	12.2	5.2	3.0	4.2	80	1743	361	60.2	1278.5
MAY	74	17	367	6307	286	82	247	165	1.7	17.0	10.7	10.6	5.1	2.6	3.5	103	2119	341	60.6	1284.8
JUN	74	18	350	5485	261	97	255	158	1.7	18.2	10.4	10.0	5.2	2.4	3.1	132	2552	323	61.0	1290.3
JUL	74	19	242	4004	248	93	254	161	1.7	15.8	9.4	10.4	4.6	2.1	3.2	151	2872	317	61.2	1294.3
AUG	74	20	168	3156	329	76	250	174	1.9	16.8	11.8	11.7	4.9	2.4	3.7	164	3135	318	61.4	1297.5
SEP	74	21	218	4035	308	87	252	165	1.9	17.2	11.5	11.2	5.2	2.6	3.5	162	3172	317	61.6	1301.5
OCT	74	22	143	2821	329	77	249	172	1.9	16.5	11.5	11.6	5.3	2.7	3.7	174	3349	318	61.7	1304.3
NOV	74	23	99	2038	343	67	249	182	1.9	14.7	10.9	12.0	4.8	2.5	3.8	195	3714	318	61.8	1306.4
DEC	74	24	110	2378	360	68	243	183	2.0	16.3	12.8	12.4	4.6	2.5	4.0	191	3626	316	61.9	1308.8
JAN	75	25	98	2195	373	61	243	182	2.1	16.4	12.4	12.7	4.9	2.7	4.1	180	3519	318	62.0	1311.0
FEB	75	26	94	2086	370	55	241	186	2.0	16.8	12.7	12.6	5.1	2.8	4.2	182	3454	315	62.1	1313.0
MAR	75	27	114	2504	366	60	242	182	2.0	17.1	13.1	12.7	5.0	2.8	4.1	183	3441	314	62.2	1315.5
APR	75	28	169	3152	353	63	248	185	1.9	16.9	12.6	12.4	6.4	3.4	4.3	179	3352	313	62.4	1318.7
MAY	75	29	273	4988	305	85	255	170	1.8	16.4	11.1	11.2	5.6	2.8	3.5	171	3242	316	62.7	1323.7
JUN	75	30	350	6016	286	93	258	165	1.7	16.7	10.7	10.7	4.9	2.5	3.3	171	3246	321	63.0	1329.7
JUL	75	31	246	3644	295	100	259	159	1.9	16.3	10.7	10.9	5.2	2.6	3.4	168	3255	323	63.2	1333.4
AUG	75	32	242	4035	295	91	258	167	1.8	17.9	11.8	10.8	6.0	2.9	3.3	176	3378	319	63.5	1338.8
SEP	75	33	236	3955	279	99	261	162	1.7	18.9	12.3	11.0	6.2	2.8	3.2	178	3371	316	63.7	1342.0
OCT	75	34	197	3586	303	84	258	174	1.7	18.9	13.4	12.3	5.9	2.8	3.5	182	3435	314	63.9	1345.6
NOV	75	35	164	3131	318	91	256	165	1.9	20.2	14.7	14.5	6.1	3.2	3.8	188	3526	313	64.1	1348.7
DEC	75	36	161	3371	349	77	253	176	2.0	19.2	14.6	15.3	6.1	3.1	4.0	192	3609	313	64.2	1352.1

Monthly Pumping and Production Statistics

for Last Three Years

Well LA-4

DATE			PUMP TIME	PUMP-AGE	RATE	WATER LEVEL		DRAW DOWN	SPEC CAP-ACITY	PERCENT OF FIELD			PERCENT OF TOTAL			YEARLY AVERAGE			CUMULATIVE	
						NON PUMP	PUMP		GPM/	PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE
MO	YR		HR	THSND GAL	GPM	FT	FT	FT	FT							HR	THSND GAL	GPM	THSND HR	MILLN GAL
JAN	73	1	169	6136	605	284	368	86	7.2	16.7	20.9	20.9	6.6	6.5	6.8	196	6990	593	74.8	2668.6
FEB	73	2	126	4600	608	285	369	86	7.2	17.4	21.6	20.9	5.7	5.6	6.8	197	7006	593	74.9	2673.2
MAR	73	3	147	5336	605	284	366	82	7.4	16.6	20.8	20.8	6.3	6.0	6.7	193	6890	593	75.1	2678.5
APR	73	4	166	6115	614	281	366	85	7.2	15.9	20.4	21.3	5.5	5.6	6.9	188	6721	594	75.3	2684.7
MAY	73	5	239	8557	597	286	371	83	7.2	18.9	22.9	21.0	6.0	5.9	6.8	177	6378	599	75.5	2693.2
JUN	73	6	376	13111	581	308	383	75	7.7	19.8	23.8	20.9	5.6	5.9	6.8	185	6649	597	75.9	2706.3
JUL	73	7	310	10811	570	311	394	83	6.9	19.5	23.9	20.6	6.2	6.1	6.7	193	6882	595	76.2	2716.9
AUG	73	8	318	10960	574	301	386	85	6.8	20.3	24.3	23.9	5.6	5.5	7.0	201	7127	592	76.5	2727.9
SEP	73	9	236	8108	573	303	387	84	6.8	20.4	24.8	23.7	5.8	6.0	7.0	209	7396	590	76.7	2736.0
OCT	73	10	222	7722	580	300	378	78	7.4	19.6	23.1	20.5	6.3	5.9	6.7	212	7495	588	77.0	2743.7
NOV	73	11	183	5648	615	296	377	83	7.6	17.4	21.9	21.6	6.0	5.8	7.6	216	7638	589	77.1	2749.4
DEC	73	12	154	5471	592	292	374	82	7.2	19.3	23.5	20.4	6.8	6.5	7.5	218	7698	589	77.3	2754.8
JAN	74	13	156	5621	601	292	367	75	8.0	19.9	24.5	20.5	7.0	6.6	7.0	217	7655	588	77.4	2760.5
FEB	74	14	124	4597	618	287	366	79	7.8	19.3	24.4	21.0	6.2	5.9	7.3	217	7665	589	77.5	2765.1
MAR	74	15	112	4203	637	286	368	82	7.8	16.7	21.9	21.1	5.3	5.0	7.4	215	7567	590	77.7	2769.3
APR	74	16	188	6883	610	286	363	77	7.9	16.4	20.8	21.1	4.9	4.9	7.2	216	7631	590	77.8	2776.2
MAY	74	17	395	14057	593	284	366	82	7.2	18.3	23.9	22.0	5.5	5.9	7.3	229	8089	590	78.2	2790.3
JUN	74	18	349	12095	578	302	385	83	7.0	18.2	23.4	22.1	5.2	5.2	6.7	226	8005	589	78.6	2802.4
JUL	74	19	365	10555	577	296	382	86	6.7	19.9	24.9	21.5	5.8	5.4	6.6	226	8000	590	78.9	2812.9
AUG	74	20	159	5585	585	286	365	79	7.4	16.6	20.9	20.9	4.9	4.3	6.6	213	7552	592	79.1	2818.5
SEP	74	21	214	7522	586	287	366	79	7.4	16.9	21.4	21.3	5.1	4.9	6.7	211	7503	593	79.3	2826.0
OCT	74	22	144	5180	600	282	362	80	7.5	16.6	21.9	21.2	5.3	4.9	6.7	204	7291	594	79.4	2831.2
NOV	74	23	41	1488	602	273	352	79	7.6	7.8	10.1	21.0	2.0	1.8	6.7	195	6944	593	79.5	2832.7
DEC	74	24	119	4313	604	272	356	84	7.2	17.6	21.8	20.8	5.0	4.5	6.7	192	6848	594	79.6	2837.0
JAN	75	25	103	3764	609	266	349	83	7.3	17.3	21.3	20.7	5.1	4.7	6.7	188	6693	594	79.7	2840.8
FEB	75	26	93	3368	604	269	347	78	7.7	16.6	20.5	20.6	5.1	4.6	6.8	185	6590	593	79.8	2844.1
MAR	75	27	108	3894	601	267	349	82	7.3	16.2	20.4	20.8	4.7	4.4	6.8	185	6558	591	79.9	2848.0
APR	75	28	144	5172	599	261	344	83	7.2	16.3	20.7	21.1	6.1	5.5	7.3	181	6415	590	80.0	2853.2
MAY	75	29	276	9787	591	270	356	86	6.9	16.8	21.8	21.7	5.6	5.5	6.7	171	6060	590	80.3	2863.0
JUN	75	30	352	12264	581	279	361	82	7.3	16.7	21.8	21.7	4.9	5.1	6.7	171	6076	598	80.6	2875.3
JUL	75	31	217	7593	583	281	363	82	7.[illegible]	17.0	22.0	21.6	5.5	5.4	6.7	164	5827	592	80.9	2882.9
AUG	75	32	259	9112	586	277	360	83	7.1	17.7	23.2	21.5	6.0	5.6	6.6	172	6121	591	81.1	2892.0
SEP	75	33	246	8931	605	280	365	85	7.1	19.7	27.8	23.9	6.5	6.4	7.0	175	6238	594	81.4	2900.9
OCT	75	34	187	6905	589	273	358	85	6.9	17.9	24.9	23.8	5.6	5.1	6.8	179	6357	593	81.6	2907.5
NOV	75	35	158	5468	577	272	356	84	6.9	19.5	25.7	26.3	5.9	5.6	6.8	188	6689	591	81.7	2913.8
DEC	75	36	176	6332	608	269	352	83	7.2	21.8	27.9	26.3	6.7	5.8	6.9	193	6857	591	81.9	2919.3

Well LA-5

DATE			PUMP TIME	PUMP-AGE	RATE	WATER LEVEL		DRAW DOWN	SPEC CAP-ACITY	PERCENT OF FIELD			PERCENT OF TOTAL			YEARLY AVERAGE			CUMULATIVE	
						NON PUMP	PUMP		GPM/	PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE
MO	YR		HR	THSND GAL	GPM	FT	FT	FT	FT							HR	THSND GAL	GPM	THSND HR	MILLN GAL
JAN	73	1	169	4802	474	151	307	156	3.0	16.7	16.4	16.4	6.6	5.1	5.3	195	5454	467	76.4	2277.0
FEB	73	2	126	3612	478	148	302	154	3.1	17.4	17.8	16.4	5.7	4.4	5.3	195	5465	467	76.5	2280.6
MAR	73	3	143	4066	474	147	305	158	3.0	16.2	15.8	16.3	6.1	4.6	5.2	191	5363	467	76.6	2284.7
APR	73	4	166	4710	473	151	301	150	3.2	15.9	15.7	16.4	5.5	4.3	5.3	184	5226	466	76.8	2289.4
MAY	73	5	244	6810	466	158	304	154	3.0	19.3	18.9	16.4	6.1	4.7	5.3	177	4971	469	77.0	2296.2
JUN	73	6	379	10248	451	162	314	152	3.0	19.9	18.6	16.2	5.6	4.6	5.2	185	5186	468	77.4	2306.4
JUL	73	7	316	8354	449	165	317	152	3.0	19.5	18.4	16.2	6.2	4.8	5.3	192	5371	466	77.7	2314.8
AUG	73	8	293	7906	450	162	311	149	3.0	18.7	17.9	18.7	5.2	4.0	5.5	198	5505	464	78.0	2322.7
SEP	73	9	236	6445	457	163	315	152	3.0	20.4	19.9	18.9	5.8	4.7	5.6	206	5721	463	78.3	2329.2
OCT	73	10	230	6333	459	160	309	149	3.1	20.3	19.0	16.2	6.5	4.8	5.3	212	5861	461	78.5	2335.5
NOV	73	11	163	4550	465	157	309	152	3.1	18.5	17.6	16.2	6.4	4.7	5.6	216	5969	461	78.7	2340.1
DEC	73	12	17	476	467	155	307	152	3.1	2.1	2.0	16.1	.8	.6	5.9	206	5695	460	78.7	2340.5
JAN	74	13	1	15	500	-0	-0	0	0.0	.1	.1	17.0	.0	.0	5.8	192	5296	459	78.7	2340.5
FEB	74	14	4	119	496	146	266	120	4.1	.6	.4	16.8	.2	.2	5.9	182	5005	458	78.7	2340.7
MAR	74	15	96	2781	483	132	279	147	3.3	14.3	13.8	16.0	4.5	3.2	5.6	178	4898	458	78.8	2343.4
APR	74	16	187	5274	478	146	304	160	2.9	16.3	15.9	16.2	4.9	3.8	5.6	180	4945	458	79.0	2348.7
MAY	74	17	265	7211	454	159	318	159	2.9	12.3	12.9	16.8	3.7	3.0	5.6	182	4978	457	79.2	2355.9
JUN	74	18	334	8906	444	163	324	161	2.8	17.4	17.9	17.0	4.9	3.8	5.2	178	4865	456	79.6	2364.8
JUL	74	19	293	7943	452	165	323	158	2.9	19.1	18.7	16.8	5.6	4.0	5.2	177	4832	456	79.9	2372.8
AUG	74	20	158	4427	467	159	312	153	3.1	16.5	16.6	16.7	4.9	3.4	5.2	165	4542	458	80.0	2377.2
SEP	74	21	213	5857	458	160	315	155	3.0	16.8	16.7	16.7	5.1	3.8	5.2	163	4491	458	80.2	2383.1
OCT	74	22	143	4030	478	159	312	153	3.1	16.5	16.5	16.6	5.3	3.8	5.3	156	4299	459	80.4	2387.1
NOV	74	23	98	2709	474	157	307	150	3.2	14.6	15.0	16.6	4.7	3.4	5.3	151	4152	459	80.5	2389.9
DEC	74	24	112	3186	474	152	306	154	3.1	16.6	16.7	16.3	4.7	3.3	5.2	159	4378	460	80.6	2393.1
JAN	75	25	96	2749	477	148	300	152	3.1	16.1	15.6	16.2	4.0	3.4	5.2	167	4606	461	80.7	2395.8
FEB	75	26	93	2643	474	146	303	157	3.0	14.6	16.7	16.1	5.1	3.6	5.3	174	4816	461	80.8	2398.5
MAR	75	27	108	2995	462	146	301	155	3.0	16.2	15.7	16.0	4.7	3.4	5.2	175	4836	460	80.9	2401.5
APR	75	28	144	3918	453	146	304	158	2.9	16.3	15.7	16.0	6.1	4.2	5.5	171	4721	459	81.0	2405.4
MAY	75	29	276	7398	446	149	312	163	2.7	16.8	16.5	16.4	5.6	4.2	5.1	172	4736	458	81.3	2412.8
JUN	75	30	352	9510	450	150	315	165	2.7	16.7	16.9	16.8	4.9	4.0	5.2	174	4786	459	81.6	2422.3
JUL	75	31	217	5920	455	156	313	157	2.9	7.0	17.1	16.8	5.5	4.2	5.2	167	4618	459	81.9	2428.2
AUG	75	32	263	7106	455	152	315	163	2.8	17.9	18.3	16.7	6.1	4.4	5.1	176	4848	458	82.1	2435.4
SEP	75	33	246	6808	461	149	314	165	2.8	19.7	21.2	18.2	6.5	4.8	5.3	179	4927	459	82.4	2442.2
OCT	75	34	187	5258	469	151	313	162	2.9	17.9	19.9	18.9	5.6	4.0	5.6	183	5029	459	82.6	2447.4
NOV	75	35	168	4695	468	158	318	160	2.9	19.7	21.1	21.4	5.9	4.0	5.6	188	5171	459	82.7	2451.9
DEC	75	36	176	5057	479	168	305	157	3.1	21.8	21.9	21.8	6.7	4.6	5.5	193	5327	460	82.9	2457.0

Monthly Pumping and Production Statistics

for Last Three Years

Well LA-6

DATE MO	YR		PUMP TIME HR	PUMPAGE THSND GAL	RATE GPM	WATER LEVEL NON PUMP FT	WATER LEVEL PUMP FT	DRAW DOWN FT	SPEC CAPACITY GPM/FT	PERCENT OF FIELD PUMP TIME	PERCENT OF FIELD PUMPAGE	PERCENT OF FIELD RATE	PERCENT OF TOTAL PUMP TIME	PERCENT OF TOTAL PUMPAGE	PERCENT OF TOTAL RATE	YEARLY AVERAGE PUMP TIME HR	YEARLY AVERAGE PUMPAGE THSND GAL	YEARLY AVERAGE RATE GPM	CUMULATIVE PUMP TIME THSND HR	CUMULATIVE PUMPAGE MILLN GAL
JAN	73	1	169	5958	588	102	139	37	15.9	17.7	20.3	20.3	6.6	6.3	6.6	196	6719	571	76.5	2667.4
FEB	73	2	126	4426	585	112	150	38	15.4	17.4	20.8	20.1	5.7	5.4	6.5	196	6749	573	76.6	2671.8
MAR	73	3	147	5113	580	112	149	37	15.7	16.6	19.9	20.0	6.3	5.7	6.4	193	6651	574	76.8	2676.9
APR	73	4	166	5846	587	110	148	38	15.4	15.9	19.5	20.3	5.5	5.4	6.6	188	6515	577	76.9	2682.8
MAY	73	5	243	8549	586	113	150	37	15.8	19.2	22.8	20.6	6.1	5.9	6.6	178	6189	579	77.2	2691.3
JUN	73	6	372	12606	565	120	156	36	15.7	19.6	22.9	20.3	5.5	5.7	6.6	186	6451	578	77.6	2703.9
JUL	73	7	310	10486	564	126	162	36	15.7	19.5	23.1	20.4	6.2	6.0	6.6	193	6695	577	77.9	2714.4
AUG	73	8	318	10765	564	124	162	38	14.8	20.3	23.9	23.5	5.6	5.4	6.9	201	6946	576	78.2	2725.2
SEP	73	9	237	8025	564	128	165	37	15.3	20.5	23.8	23.3	5.8	5.9	6.9	209	7221	575	78.4	2733.2
OCT	73	10	230	7872	570	126	162	36	15.8	20.3	23.4	20.2	6.5	6.0	6.6	213	7352	574	78.6	2741.1
NOV	73	11	165	5549	561	122	159	37	15.1	18.7	21.5	19.5	6.5	5.7	6.8	218	7442	573	78.8	2746.6
DEC	73	12	155	5439	585	119	155	36	16.2	19.4	23.3	20.1	6.9	6.4	7.4	220	7552	573	79.0	2752.1
JAN	74	13	156	5443	582	118	149	34	17.1	19.9	23.7	19.8	7.0	6.4	6.8	219	7509	572	79.1	2757.5
FEB	74	14	129	4348	584	115	149	34	17.2	19.3	23.1	19.8	6.2	5.6	6.9	219	7503	572	79.2	2761.8
MAR	74	15	112	4068	605	111	147	36	16.8	16.7	20.1	20.1	5.3	4.7	7.0	216	7415	573	79.4	2765.9
APR	74	16	187	6523	581	109	144	37	15.7	16.3	19.7	20.1	4.9	4.7	6.9	217	7472	573	79.5	2772.4
MAY	74	17	474	13691	565	116	155	39	14.5	18.7	23.3	21.0	5.6	5.7	7.0	231	7901	570	80.0	2786.1
JUN	74	18	351	11449	544	127	166	39	13.9	18.3	22.2	20.8	5.2	4.9	6.4	229	7805	568	80.3	2797.6
JUL	74	19	273	9136	558	129	165	36	15.5	17.0	21.5	20.8	5.2	4.6	6.4	222	7692	567	80.6	2806.7
AUG	74	20	198	5397	569	124	160	36	15.8	16.5	20.7	20.3	4.9	4.1	6.4	213	7269	568	80.7	2812.1
SEP	74	21	214	7327	571	126	163	37	15.4	16.9	20.9	20.8	5.1	4.7	6.5	211	7187	568	80.9	2819.4
OCT	74	22	145	4997	574	126	162	36	16.0	16.7	20.4	20.3	5.4	4.7	6.5	206	6947	569	81.1	2824.4
NOV	74	23	98	3360	575	125	160	35	16.4	16.6	23.0	20.1	4.7	4.2	6.4	198	6766	569	81.2	2827.8
DEC	74	24	115	4000	580	118	155	37	15.7	17.0	20.2	19.9	4.8	4.2	6.4	195	6647	569	81.3	2831.8
JAN	75	25	103	3623	586	116	152	36	16.3	17.3	20.5	19.9	5.1	4.5	6.4	190	6495	569	81.4	2835.4
FEB	75	26	93	3251	583	115	151	36	16.2	14.6	19.8	19.9	5.1	4.4	6.5	188	6403	568	81.5	2838.7
MAR	75	27	106	3611	566	112	151	39	14.6	15.9	18.9	19.7	4.6	4.1	6.4	187	6305	567	81.6	2842.3
APR	75	28	144	4877	564	108	146	38	14.9	16.3	19.5	19.9	6.1	5.2	6.9	184	6228	565	81.8	2847.2
MAY	75	29	276	9329	563	111	150	39	14.4	16.8	20.8	20.7	5.6	5.3	6.4	173	5805	565	82.0	2858.5
JUN	75	30	352	12030	570	116	154	38	15.0	16.7	21.4	21.3	4.9	5.0	6.5	173	5913	569	82.4	2868.5
JUL	75	31	217	7421	570	110	158	39	14.6	17.0	21.5	21.1	5.5	5.2	6.5	168	5770	571	82.6	2876.0
AUG	75	32	156	5334	570	120	150	39	14.6	16.6	13.6	20.9	3.6	3.3	6.4	166	5765	571	82.8	2881.3
SEP	75	33	48	1114	387	114	143	29	13.3	3.8	3.5	15.3	1.3	.8	4.5	154	5247	566	82.8	2882.4
OCT	75	34	76	1344	295	111	146	35	8.4	7.3	5.1	11.9	2.3	1.0	3.4	149	4943	556	82.9	2883.7
NOV	75	35	-0	-0	0	104	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	140	4661	553	82.9	2883.7
DEC	75	36	-0	-0	0	-0	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	131	4328	551	82.9	2883.7

Well G-1

DATE MO	YR		PUMP TIME HR	PUMPAGE THSND GAL	RATE GPM	WATER LEVEL NON PUMP FT	WATER LEVEL PUMP FT	DRAW DOWN FT	SPEC CAPACITY GPM/FT	PERCENT OF FIELD PUMP TIME	PERCENT OF FIELD PUMPAGE	PERCENT OF FIELD RATE	PERCENT OF TOTAL PUMP TIME	PERCENT OF TOTAL PUMPAGE	PERCENT OF TOTAL RATE	YEARLY AVERAGE PUMP TIME HR	YEARLY AVERAGE PUMPAGE THSND GAL	YEARLY AVERAGE RATE GPM	CUMULATIVE PUMP TIME THSND HR	CUMULATIVE PUMPAGE MILLN GAL
JAN	73	1	138	3261	394	265	389	124	3.2	14.6	14.6	14.3	5.6	5.4	4.4	238	5467	384	67.0	1794.1
FEB	73	2	140	3322	395	265	388	123	3.2	14.2	14.1	14.2	6.3	6.0	4.4	239	5488	383	67.2	1797.5
MAR	73	3	127	3012	395	265	390	125	3.2	14.3	13.8	13.9	5.4	5.4	4.4	239	5396	383	67.3	1800.5
APR	73	4	192	4552	395	265	395	130	3.0	14.5	14.8	13.8	6.4	6.2	4.4	223	5141	384	67.5	1805.0
MAY	73	5	243	6556	386	268	400	132	2.9	15.4	14.4	13.9	7.1	6.5	4.4	205	4738	385	67.8	1811.6
JUN	73	6	519	11010	354	276	409	133	2.7	14.5	13.5	13.3	7.7	6.9	4.1	218	4967	379	68.3	1822.6
JUL	73	7	331	7042	355	278	412	134	2.6	14.3	13.4	13.4	6.7	6.0	4.2	220	4982	377	68.6	1829.6
AUG	73	8	410	8926	363	275	413	138	2.6	14.1	13.6	13.6	7.2	6.5	4.4	228	5135	375	69.0	1838.5
SEP	73	9	296	6515	371	277	416	139	2.7	15.4	15.1	13.9	7.3	6.8	4.5	239	5369	374	69.3	1845.1
OCT	73	10	234	5349	381	275	409	134	2.8	14.5	14.1	13.9	6.6	6.1	4.4	244	5478	373	69.6	1850.5
NOV	73	11	164	3858	392	271	413	142	2.8	15.0	15.5	14.3	6.5	6.0	4.7	246	5522	374	69.7	1854.4
DEC	73	12	163	3990	408	272	404	132	3.1	16.5	17.6	17.6	7.2	6.7	5.1	250	5622	375	69.9	1858.3
JAN	74	13	154	3786	410	269	397	128	3.2	15.7	16.1	14.0	6.9	6.4	4.8	251	5669	376	70.0	1862.1
FEB	74	14	136	3288	397	266	394	128	3.1	15.5	15.7	14.1	6.9	6.2	4.7	251	5663	376	70.2	1865.4
MAR	74	15	127	3051	400	262	390	128	3.1	14.4	17.2	17.5	6.0	5.6	4.6	251	5666	376	70.3	1868.5
APR	74	16	241	6302	379	269	396	127	3.0	16.7	17.1	17.1	7.3	6.6	4.5	258	5819	375	70.6	1874.8
MAY	74	17	505	12784	358	287	421	134	2.7	17.1	17.3	17.0	8.3	7.4	4.4	284	6338	372	71.2	1887.6
JUN	74	18	302	6537	361	303	427	124	2.9	8.9	8.2	13.5	4.5	2.8	4.2	266	5965	373	71.5	1894.2
JUL	74	19	321	7025	365	304	427	123	3.0	13.9	12.3	13.3	6.1	5.6	4.2	265	5964	374	71.8	1901.2
AUG	74	20	169	3896	384	295	424	129	3.0	14.3	13.7	13.6	5.2	5.0	4.3	245	5545	377	72.0	1905.1
SEP	74	21	256	5781	376	289	419	130	2.9	14.3	13.8	13.0	6.1	5.7	4.3	242	5477	377	72.2	1910.9
OCT	74	22	156	3582	383	287	416	129	3.0	14.3	13.8	13.7	5.8	5.4	4.3	235	5329	377	72.4	1914.4
NOV	74	23	128	2943	383	284	416	132	2.9	13.6	13.1	13.7	6.2	5.6	4.3	232	5253	377	72.5	1917.4
DEC	74	24	140	3257	388	282	413	131	3.0	14.3	13.7	13.8	5.9	5.4	4.3	231	5192	375	72.7	1920.6
JAN	75	25	137	3201	397	284	415	131	3.0	16.6	15.9	14.1	6.8	6.0	4.3	229	5148	374	72.8	1923.9
FEB	75	26	121	2851	393	284	413	129	3.0	16.4	14.7	15.0	6.6	5.9	4.4	228	5112	374	72.9	1926.8
MAR	75	27	193	4509	389	283	412	129	3.0	19.2	18.1	14.9	8.4	8.1	4.4	233	5233	374	73.1	1931.3
APR	75	28	155	3586	386	282	408	126	3.1	20.1	19.2	19.1	6.6	5.8	4.7	223	5000	374	73.3	1934.9
MAY	75	29	369	7978	360	302	416	114	3.2	17.9	15.8	13.0	7.5	6.5	4.1	204	4608	376	73.6	1942.8
JUN	75	30	471	10164	360	307	416	109	3.3	13.1	12.1	13.2	6.6	6.2	4.1	218	4904	375	74.1	1953.0
JUL	75	31	254	5508	361	301	405	104	3.5	14.3	13.8	13.0	6.4	5.9	4.1	212	4777	375	74.4	1958.5
AUG	75	32	58	1300	374	300	406	106	3.5	3.3	3.0	13.0	1.3	.8	4.2	203	4561	374	74.4	1959.8
SEP	75	33	211	4780	378	-0	-0	0	0.0	13.3	12.9	13.1	5.6	5.4	4.4	199	4478	376	74.6	1964.6
OCT	75	34	172	4004	388	-0	-0	0	0.0	14.0	13.6	13.2	5.2	5.1	4.5	201	4513	375	74.8	1968.6
NOV	75	35	181	4115	379	-0	-0	0	0.0	14.4	12.9	12.8	6.7	6.2	4.5	205	4611	375	75.0	1972.7
DEC	75	36	145	3666	421	-0	-0	0	0.0	15.6	14.9	14.1	5.8	5.3	4.8	209	4649	377	75.1	1976.4

Monthly Pumping and Production Statistics

for Last Three Years

Well G-1A

DATE MO	TR		PUMP TIME HR	PUMP-AGE THSND GAL	RATE GPM	WATER LEVEL NON PUMP FT	WATER LEVEL PUMP FT	DRAW DOWN FT	SPEC CAP-ACITY GPM/FT	PERCENT OF FIELD PUMP TIME	PERCENT OF FIELD PUMP-AGE	PERCENT OF FIELD RATE	PERCENT OF TOTAL PUMP TIME	PERCENT OF TOTAL PUMP-AGE	PERCENT OF TOTAL RATE	YEARLY AVERAGE PUMP TIME HR	YEARLY AVERAGE PUMP-AGE THSND GAL	YEARLY AVERAGE RATE GPM	CUMULATIVE PUMP TIME THSND HR	CUMULATIVE PUMP-AGE MILLN GAL
JAN	73	1	138	4463	539	300	354	54	10.0	14.6	20.0	19.5	5.4	4.7	6.0	239	7773	543	58.2	1970.7
FEB	73	2	140	4645	553	299	355	56	9.9	14.2	19.8	19.8	6.3	5.6	6.2	240	7816	543	58.4	1975.3
MAR	73	3	127	4177	548	300	356	56	9.8	14.3	19.2	19.2	5.4	4.7	6.1	236	7692	543	58.5	1979.5
APR	73	4	192	6318	548	297	361	64	8.6	14.5	19.5	19.2	6.4	5.8	6.1	225	7337	544	58.7	1985.8
MAY	73	5	242	9372	554	297	357	60	9.2	15.3	20.9	19.9	7.1	6.4	6.3	207	6781	546	59.0	1995.2
JUN	73	6	517	16544	533	300	366	66	8.9	14.4	20.2	20.1	7.7	7.4	6.2	218	7116	544	59.5	2011.7
JUL	73	7	331	10426	525	310	366	56	9.4	14.3	19.8	19.8	6.7	6.0	6.1	220	7149	541	59.8	2022.2
AUG	73	8	410	12448	522	306	373	67	7.8	14.1	19.4	19.6	7.2	6.8	6.4	228	7352	537	60.2	2035.0
SEP	73	9	296	9146	515	306	374	68	7.6	15.4	20.9	19.2	7.3	6.7	6.3	239	7670	534	60.5	2044.2
OCT	73	10	234	7218	514	303	362	59	8.7	14.5	19.8	18.7	6.6	5.5	6.0	244	7798	532	60.8	2051.4
NOV	73	11	93	2788	500	300	355	55	9.1	8.5	11.9	18.3	3.7	2.9	6.0	240	7644	531	60.9	2054.2
DEC	73	12	-0	-0	0	-0	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	230	7329	531	60.9	2054.2
JAN	74	13	36	1140	569	303	349	46	12.4	3.5	4.9	19.5	1.5	1.4	6.6	221	7053	531	60.9	2055.3
FEB	74	14	138	4398	530	302	349	47	11.3	15.5	21.8	18.8	6.9	5.6	6.3	221	7032	530	61.0	2059.7
MAR	74	15	132	4216	532	301	349	48	11.1	17.1	23.8	23.3	6.2	4.9	6.1	222	7035	529	61.2	2063.9
APR	74	16	281	8893	527	303	349	46	11.5	16.7	23.9	23.8	7.3	6.4	6.3	229	7250	528	61.4	2072.8
MAY	74	17	596	18289	511	312	362	50	10.2	17.1	24.7	24.2	8.3	7.7	6.3	255	7993	522	62.0	2091.1
JUN	74	18	548	16625	513	317	361	44	11.7	16.0	20.7	19.1	8.8	7.1	6.0	257	8000	519	62.6	2107.7
JUL	74	19	465	12708	526	314	361	47	11.2	17.6	22.3	19.2	7.7	6.5	6.0	263	8197	519	63.0	2120.5
AUG	74	20	198	5315	527	310	361	51	10.3	14.2	18.7	18.7	5.2	4.1	5.9	243	7566	519	63.2	2125.8
SEP	74	21	256	7838	510	312	364	52	9.8	14.3	18.7	18.7	6.1	5.1	5.8	240	7459	519	63.4	2133.7
OCT	74	22	156	4835	517	306	354	48	10.8	14.3	18.6	18.5	5.8	4.6	5.8	233	7261	519	63.6	2138.5
NOV	74	23	128	3989	519	303	352	49	10.4	13.6	17.7	18.5	6.2	4.9	5.8	236	7361	519	63.7	2142.5
DEC	74	24	146	4389	522	301	349	48	10.9	14.3	18.5	18.5	5.9	4.6	5.8	248	7727	520	63.8	2146.9
JAN	75	25	138	4254	514	301	345	44	11.7	16.7	19.8	18.3	6.9	5.3	5.4	256	7946	519	64.0	2151.1
FEB	75	26	119	3721	521	301	343	42	12.4	14.2	19.9	19.9	6.5	5.1	5.8	255	7920	518	64.1	2154.9
MAR	75	27	193	6056	523	303	350	47	11.1	19.2	24.3	20.0	8.4	6.8	5.9	260	8082	518	64.3	2160.9
APR	75	28	155	4809	526	303	350	47	11.2	20.1	26.1	26.0	6.6	5.2	6.4	269	7768	518	64.4	2165.8
MAY	75	29	370	11599	522	307	356	49	10.7	17.9	22.9	18.8	7.6	6.5	5.9	231	7191	520	64.8	2177.4
JUN	75	30	569	15765	516	312	360	48	10.8	14.2	18.8	18.8	7.1	6.6	5.9	220	7119	520	65.3	2193.2
JUL	75	31	249	7642	512	306	350	52	9.8	14.8	18.7	18.4	6.3	5.4	5.8	215	6690	518	65.6	2200.8
AUG	75	32	261	8021	523	302	352	50	10.5	16.1	20.4	18.2	6.5	5.4	5.9	224	6902	518	65.8	2209.4
SEP	75	33	227	7056	518	309	354	45	11.5	14.3	18.7	18.0	6.0	5.0	6.0	222	6918	519	66.1	2214.7
OCT	75	34	173	5340	518	303	349	46	11.3	14.1	17.4	17.6	5.8	4.1	6.0	223	6963	519	66.2	2222.1
NOV	75	35	181	5580	514	302	348	46	11.2	14.4	17.4	17.3	6.7	5.7	6.1	220	7096	519	66.4	2227.6
DEC	75	36	145	4511	519	301	346	45	11.5	15.6	18.3	17.4	5.5	4.1	6.0	228	7108	519	66.6	2232.2

Well G-2

DATE MO	TR		PUMP TIME HR	PUMP-AGE THSND GAL	RATE GPM	WATER LEVEL NON PUMP FT	WATER LEVEL PUMP FT	DRAW DOWN FT	SPEC CAP-ACITY GPM/FT	PERCENT OF FIELD PUMP TIME	PERCENT OF FIELD PUMP-AGE	PERCENT OF FIELD RATE	PERCENT OF TOTAL PUMP TIME	PERCENT OF TOTAL PUMP-AGE	PERCENT OF TOTAL RATE	YEARLY AVERAGE PUMP TIME HR	YEARLY AVERAGE PUMP-AGE THSND GAL	YEARLY AVERAGE RATE GPM	CUMULATIVE PUMP TIME THSND HR	CUMULATIVE PUMP-AGE MILLN GAL
JAN	73	1	138	3554	429	338	380	42	10.2	14.6	15.9	15.5	5.4	3.7	4.8	239	4077	423	67.4	1809.3
FEB	73	2	141	3547	419	336	378	48	10.5	14.3	15.1	15.0	6.3	4.3	4.7	241	4100	423	67.5	1812.9
MAR	73	3	126	3358	444	337	377	48	11.1	14.2	15.4	15.6	5.4	3.8	4.9	237	4008	423	67.7	1816.2
APR	73	4	191	5148	449	337	381	44	10.2	14.4	15.9	15.7	6.4	4.7	5.0	225	3743	425	67.8	1821.4
MAY	73	5	262	7438	440	341	385	44	10.0	15.3	16.6	15.8	7.1	5.1	5.8	206	5306	428	68.1	1828.8
JUN	73	6	802	12324	409	351	389	38	10.8	14.0	15.1	15.4	7.5	5.5	4.8	217	3541	426	68.6	1841.1
JUL	73	7	330	8027	405	353	392	39	10.4	14.2	15.3	15.3	6.6	4.6	4.7	219	3574	425	69.0	1849.2
AUG	73	8	420	10438	414	352	392	40	10.4	14.4	15.7	15.6	7.4	5.3	5.1	228	3786	424	69.4	1859.6
SEP	73	9	145	3628	417	351	394	43	9.7	7.5	8.1	15.6	3.6	2.7	5.1	226	3748	423	69.5	1863.2
OCT	73	10	215	5891	457	345	384	41	11.1	13.3	15.5	16.6	6.1	4.5	5.3	229	3856	425	69.7	1869.1
NOV	73	11	163	4448	455	344	386	40	11.4	14.9	17.9	16.6	6.4	4.6	5.5	231	3912	426	69.9	1873.6
DEC	73	12	163	4624	473	341	382	41	11.5	16.5	20.2	20.4	7.2	5.5	6.0	235	3936	429	70.1	1878.2
JAN	74	13	154	4426	479	340	383	43	11.1	15.7	18.9	16.4	6.9	5.2	5.6	236	3988	431	70.2	1882.6
FEB	74	14	139	3867	464	340	383	43	10.8	15.6	18.5	16.4	7.0	5.0	5.5	239	4138	434	70.4	1888.5
MAR	74	15	128	3634	473	340	380	40	11.8	16.6	20.5	20.7	6.8	4.2	5.5	236	4150	435	70.5	1890.1
APR	74	16	241	7557	444	341	380	39	11.5	16.7	20.3	20.2	7.3	5.4	5.3	243	4350	435	70.8	1897.7
MAY	74	17	591	14965	422	352	392	40	10.6	17.0	20.2	20.0	8.2	6.3	5.2	269	4900	432	71.4	1912.6
JUN	74	18	540	13911	429	356	399	41	10.5	16.0	17.4	16.0	8.0	6.0	5.0	272	5110	435	71.9	1926.5
JUL	74	19	374	10088	450	357	397	40	11.2	16.2	17.6	16.4	7.1	5.1	5.2	276	5290	440	72.3	1936.6
AUG	74	20	146	4046	470	352	393	41	11.5	14.1	16.5	16.7	5.1	3.6	5.3	255	4810	445	72.4	1941.3
SEP	74	21	246	6904	453	353	394	41	11.1	14.3	16.6	16.6	6.1	4.5	5.2	264	5080	447	72.7	1948.3
OCT	74	22	158	4331	463	347	389	42	11.0	14.3	16.6	16.6	5.8	4.1	5.2	259	4958	447	72.8	1952.6
NOV	74	23	131	3656	465	342	388	46	10.1	13.9	16.2	16.6	6.3	4.5	5.2	257	4892	448	73.0	1956.3
DEC	74	24	140	3926	467	341	384	43	10.9	14.3	16.6	16.6	5.9	4.1	5.2	255	4834	447	73.1	1960.2
JAN	75	25	137	3829	466	341	384	43	10.8	16.6	17.9	16.6	6.8	4.7	5.1	253	4786	446	73.3	1964.0
FEB	75	26	151	3424	472	341	384	43	11.0	15.4	17.7	18.0	6.6	4.6	5.3	252	4748	447	73.4	1967.4
MAR	75	27	193	5418	468	342	382	40	11.7	19.2	21.8	17.9	8.4	6.1	5.3	257	4896	447	73.6	1972.9
APR	75	28	166	4342	444	342	387	45	10.3	20.3	23.9	23.8	6.7	4.6	5.7	247	4628	448	73.7	1977.2
MAY	75	29	362	9812	452	347	389	42	10.8	17.6	19.4	16.2	7.4	5.5	5.1	228	4199	454	74.1	1987.0
JUN	75	30	534	13324	441	351	391	40	11.0	14.0	15.9	16.1	7.0	5.5	5.1	225	4150	456	74.6	2000.3
JUL	75	31	244	6762	444	344	386	42	10.6	14.3	16.8	16.0	6.4	4.8	5.1	215	3873	456	74.8	2007.1
AUG	75	32	279	7741	462	340	384	44	10.5	14.0	17.9	16.1	6.4	4.8	5.2	224	4127	456	75.1	2014.8
SEP	75	33	226	6179	456	342	385	43	10.6	14.3	15.8	15.9	6.0	4.4	5.3	222	4062	456	75.4	2021.0
OCT	75	34	168	4684	465	338	379	41	11.3	13.7	15.7	15.8	5.1	3.6	5.3	223	4091	456	75.5	2025.7
NOV	75	35	183	5043	459	335	377	42	10.9	14.5	15.8	15.5	6.0	5.2	5.4	227	4207	456	75.7	2030.8
DEC	75	36	141	3922	464	334	376	42	11.0	15.2	15.9	15.5	5.4	3.6	5.3	227	4207	456	75.8	2034.7

Monthly Pumping and Production Statistics

for Last Three Years

Well G-3

DATE			PUMP TIME	PUMP-AGE	RATE	WATER LEVEL		DRAW DOWN	SPEC CAP-ACITY	PERCENT OF FIELD			PERCENT OF TOTAL			YEARLY AVERAGE			CUMULATIVE	
						NON PUMP	PUMP			PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE
MO	YR		HR	THSND GAL	GPM	FT	FT	FT	GPM/FT							HR	THSND GAL	GPM	THSND HR	MILLN GAL
JAN	73	1	132	2343	296	332	409	77	3.8	14.0	10.5	10.7	5.2	2.5	3.3	235	4184	297	67.3	1470.4
FEB	73	2	141	2436	288	332	407	75	3.8	14.3	10.4	10.3	6.3	3.0	3.2	236	4179	295	67.5	1472.8
MAR	73	3	126	2297	304	329	409	80	3.8	14.2	10.9	10.7	5.4	2.6	3.4	232	4085	293	67.6	1475.1
APR	73	4	184	3374	306	331	412	81	3.8	13.9	10.4	10.7	6.1	3.1	3.4	220	3853	292	67.8	1478.5
MAY	73	5	128	2288	298	333	413	80	3.7	7.0	5.1	10.7	3.2	1.6	3.4	188	3295	292	67.9	1480.8
JUN	73	6	522	8633	276	347	428	81	3.4	14.5	10.6	10.4	7.8	3.9	3.2	202	3510	290	68.4	1489.4
JUL	73	7	331	5205	262	361	434	73	3.6	14.3	9.9	9.9	6.7	3.0	3.1	204	3500	286	68.7	1494.6
AUG	73	8	428	6669	265	353	425	72	3.7	14.4	10.1	9.9	7.4	3.4	3.2	213	3606	282	69.2	1501.3
SEP	73	9	296	4747	267	356	429	73	3.7	15.4	10.8	10.0	7.3	3.5	3.3	224	3763	279	69.5	1506.1
OCT	73	10	237	3921	276	347	416	69	4.0	14.6	10.3	10.0	6.7	3.0	3.2	232	3881	279	69.7	1510.0
NOV	73	11	164	2740	278	330	419	81	3.4	15.0	11.0	10.2	6.5	2.8	3.4	233	3897	278	69.9	1512.7
DEC	73	12	162	2696	277	337	417	80	3.5	16.4	11.8	11.9	7.2	3.2	3.5	237	3946	278	70.0	1515.4
JAN	74	13	160	2725	284	335	416	81	3.5	16.3	11.4	9.7	7.1	3.2	3.3	239	3978	277	70.2	1518.1
FEB	74	14	137	2325	283	334	417	83	3.4	15.4	11.1	10.0	6.9	3.0	3.3	239	3960	277	70.3	1520.5
MAR	74	15	130	2253	289	328	415	87	3.3	16.8	12.7	12.6	6.1	2.6	3.3	239	3965	276	70.4	1522.7
APR	74	16	280	4452	265	332	417	85	3.1	14.6	11.0	12.0	7.3	3.2	3.1	247	4054	273	70.7	1527.2
MAY	74	17	817	7759	250	352	420	68	3.7	14.8	10.5	11.9	7.2	3.2	3.1	280	4518	269	71.2	1534.9
JUN	74	18	553	9075	274	361	447	86	3.2	16.4	11.3	10.2	8.2	3.9	3.2	282	4547	269	71.8	1544.0
JUL	74	19	368	6108	277	359	433	74	3.7	16.0	10.7	10.1	7.0	3.1	3.2	285	4622	270	72.2	1550.1
AUG	74	20	169	2840	284	350	429	79	3.6	14.3	10.1	10.1	5.2	2.2	3.2	264	4307	271	72.3	1553.0
SEP	74	21	255	4172	273	345	426	81	3.4	14.2	10.0	10.0	6.1	2.7	3.1	261	4259	272	72.6	1557.2
OCT	74	22	157	2678	284	341	427	86	3.3	14.4	10.3	10.2	5.8	2.5	3.2	254	4155	272	72.7	1559.8
NOV	74	23	139	2432	292	337	423	86	3.4	14.8	10.8	10.4	6.7	3.0	3.3	252	4138	273	72.9	1562.3
DEC	74	24	161	2445	289	335	421	86	3.4	14.4	10.3	10.3	5.9	2.6	3.2	250	4109	273	73.1	1564.7
JAN	75	25	132	2358	298	333	424	91	3.3	14.8	11.0	10.6	6.6	2.9	3.3	248	4078	274	73.2	1567.1
FEB	75	26	121	2137	294	331	422	91	3.2	16.4	11.8	11.2	6.6	2.9	3.3	247	4062	274	73.3	1569.2
MAR	75	27	194	3353	288	331	426	95	3.0	19.3	13.5	11.0	8.5	3.8	3.2	252	4155	275	73.5	1572.6
APR	75	28	148	2528	284	329	420	91	3.1	19.2	13.5	14.1	6.3	2.7	3.5	241	3993	276	73.6	1575.1
MAY	75	29	369	6172	279	336	430	94	3.0	17.9	12.9	10.0	7.5	3.5	3.2	229	3861	281	74.0	1581.3
JUN	75	30	437	7833	263	351	439	88	3.0	13.8	9.3	9.4	6.9	3.3	3.0	224	3757	279	74.5	1589.1
JUL	75	31	248	3838	258	360	436	76	3.4	13.9	9.1	9.3	6.3	2.7	2.9	214	3568	278	74.7	1592.9
AUG	75	32	271	4329	266	351	433	82	3.2	15.5	10.0	9.3	6.2	2.7	3.0	223	3689	276	75.0	1597.3
SEP	75	33	227	3556	261	350	428	78	3.3	14.3	9.1	9.1	6.0	2.5	3.0	220	3638	275	75.2	1600.8
OCT	75	34	183	2970	270	341	422	81	3.3	14.9	9.6	9.2	5.5	2.3	3.1	222	3662	274	75.4	1603.8
NOV	75	35	186	3078	276	341	420	87	3.2	14.8	9.6	9.3	6.9	3.1	3.3	226	3716	274	75.6	1606.9
DEC	75	36	56	925	275	337	425	88	3.1	6.0	3.8	9.2	2.1	.8	3.2	219	3589	273	75.7	1607.8

Well G-4

DATE			PUMP TIME	PUMP-AGE	RATE	WATER LEVEL		DRAW DOWN	SPEC CAP-ACITY	PERCENT OF FIELD			PERCENT OF TOTAL			YEARLY AVERAGE			CUMULATIVE	
						NON PUMP	PUMP			PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE
MO	YR		HR	THSND GAL	GPM	FT	FT	FT	GPM/FT							HR	THSND GAL	GPM	THSND HR	MILLN GAL
JAN	73	1	132	1726	218	380	509	129	1.7	14.0	7.7	7.9	5.2	1.8	2.4	235	2753	195	46.1	759.4
FEB	73	2	141	1892	224	380	512	132	1.7	14.3	8.0	8.0	6.3	2.3	2.5	237	2782	196	46.2	761.3
MAR	73	3	126	1670	221	380	517	137	1.6	14.2	7.7	7.8	5.4	1.9	2.4	233	2742	196	46.4	763.0
APR	73	4	184	2504	222	381	515	134	1.7	14.2	7.7	7.8	6.3	2.3	2.5	222	2640	200	46.6	765.5
MAY	73	5	248	3622	210	384	511	127	1.7	15.7	8.1	7.5	7.2	2.5	2.4	203	2494	205	46.8	769.1
JUN	73	6	519	6191	203	400	520	120	1.7	14.2	7.4	7.6	7.6	2.8	2.4	216	2670	206	47.4	775.3
JUL	73	7	331	4055	204	407	530	131	1.6	14.3	7.7	7.7	6.7	2.3	2.4	219	2727	208	47.7	779.3
AUG	73	8	410	4944	201	406	532	126	1.6	14.1	7.6	7.6	7.2	2.5	2.5	226	2827	208	48.1	784.3
SEP	73	9	297	3603	202	405	528	123	1.6	15.5	8.2	7.6	7.3	2.6	2.5	238	2968	208	48.4	787.9
OCT	73	10	234	2801	200	397	518	121	1.6	14.5	7.4	7.3	6.6	2.1	2.3	243	3037	208	48.6	790.7
NOV	73	11	182	1945	178	390	519	129	1.4	16.7	7.8	6.5	7.2	2.0	2.1	246	3043	206	48.8	792.4
DEC	73	12	168	2239	222	390	534	144	1.5	17.0	9.8	9.6	7.5	2.7	2.8	250	3093	206	49.0	794.9
JAN	74	13	155	2171	233	386	516	130	1.8	15.8	9.5	8.0	6.9	2.5	2.7	252	3136	207	49.1	797.0
FEB	74	14	137	1798	219	384	508	124	1.8	15.4	8.6	7.8	6.9	2.3	2.6	252	3129	207	49.3	798.8
MAR	74	15	128	1568	204	380	505	125	1.6	16.6	8.9	8.9	6.0	1.8	2.4	252	3120	206	49.4	800.4
APR	74	16	240	3098	232	381	508	127	1.8	16.6	10.5	10.5	7.3	2.8	2.7	260	3236	208	49.7	804.3
MAY	74	17	593	7642	215	397	523	126	1.7	17.0	10.3	10.2	8.3	3.2	2.7	285	3571	209	50.3	812.0
JUN	74	18	349	4309	206	413	534	121	1.7	16.3	9.4	7.7	5.2	1.9	2.4	272	3414	209	50.6	816.3
JUL	74	19	167	2093	209	411	533	122	1.7	7.2	3.7	7.6	3.2	1.1	2.4	258	3251	210	50.8	818.4
AUG	74	20	169	2212	218	400	518	118	1.8	14.3	7.8	7.7	5.2	1.7	2.4	238	3023	211	51.0	820.4
SEP	74	21	257	3051	198	377	528	151	1.3	14.3	7.9	7.3	6.2	2.0	2.3	235	2977	211	51.2	823.6
OCT	74	22	157	1978	210	394	522	128	1.6	14.4	7.4	7.5	5.8	1.9	2.4	228	2909	212	51.4	825.6
NOV	74	23	139	1759	211	390	516	126	1.7	14.8	7.8	7.5	6.7	2.2	2.4	225	2893	214	51.5	827.4
DEC	74	24	141	1788	210	388	515	127	1.7	14.4	7.8	7.5	5.9	1.9	2.3	223	2855	214	51.6	829.1
JAN	75	25	12	152	211	388	507	119	1.8	1.5	.7	7.5	.6	.2	2.3	211	2687	212	51.7	829.3
FEB	75	26	-0	-0	0	-0	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	199	2537	212	51.7	829.3
MAR	75	27	-0	-0	0	-0	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	189	2406	213	51.7	829.3
APR	75	28	-0	-0	0	-0	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	165	2081	210	51.7	829.3
MAY	75	29	13	210	269	-0	-0	0	0.0	.6	.4	9.7	.3	.1	3.1	117	1462	208	51.7	829.5
JUN	75	30	592	9972	281	411	557	146	1.9	16.5	11.4	10.3	8.2	4.1	3.2	137	1939	235	52.3	839.5
JUL	75	31	274	5206	322	412	567	155	2.1	15.4	12.8	11.6	6.9	3.7	3.7	144	2200	251	52.5	844.8
AUG	75	32	344	7547	364	406	567	161	2.3	19.7	17.4	12.7	7.9	4.7	4.1	161	2645	274	52.9	852.3
SEP	75	33	243	5329	379	406	567	161	2.4	15.3	14.2	13.2	6.4	3.9	4.4	140	2851	298	53.1	857.8
OCT	75	34	177	4291	404	402	569	167	2.4	14.4	13.9	13.7	5.3	3.3	4.7	191	3044	315	53.3	862.1
NOV	75	35	174	4404	422	400	569	169	2.5	13.8	13.8	14.2	6.5	4.5	5.0	184	3264	331	53.5	866.5
DEC	75	36	148	3625	408	397	567	170	2.4	15.9	14.7	13.7	5.7	3.3	4.7	185	3418	346	53.6	870.1

Monthly Pumping and Production Statistics

for Last Three Years

Well G-5

DATE			PUMP TIME	PUMP-AGE	RATE	WATER LEVEL		DRAW DOWN	SPEC CAP-ACITY	PERCENT OF FIELD			PERCENT OF TOTAL			YEARLY AVERAGE			CUMULATIVE	
				THSND		NON PUMP	PUMP		GPM/FT	PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE THSND	RATE	PUMP TIME THSND	PUMP-AGE MILL
MO	YR		HR	GAL	GPM	FT	FT	FT								HR	GAL	GPM	HR	GAL
JAN	73	1	132	4313	545	437	506	69	7.9	14.0	19.3	19.7	5.2	4.5	6.1	240	7646	531	61.1	1985.6
FEB	73	2	141	4614	545	437	504	67	8.1	14.3	19.4	19.6	6.3	5.6	6.1	241	7694	531	61.3	1990.2
MAR	73	3	132	4406	556	437	508	71	7.8	14.8	20.2	19.5	5.6	4.9	6.2	238	7601	532	61.4	1994.6
APR	73	4	188	6204	555	436	509	73	7.6	14.2	19.3	19.5	6.3	5.8	6.2	226	7248	533	61.6	2000.9
MAY	73	5	289	9368	540	439	514	75	7.2	13.7	20.9	19.4	7.2	6.4	6.1	207	6603	538	61.9	2010.3
JUN	73	6	514	16282	528	452	526	74	7.1	14.3	19.9	19.9	7.6	7.3	6.1	218	7052	538	62.4	2026.5
JUL	73	7	331	10617	535	453	530	77	6.9	14.3	20.2	20.2	6.7	6.1	6.3	221	7133	539	62.7	2037.2
AUG	73	8	418	13468	537	451	524	73	7.4	14.4	20.3	20.2	7.4	6.8	6.6	229	7412	539	63.1	2050.6
SEP	73	9	296	9568	539	451	527	76	7.1	15.4	21.0	20.1	7.3	7.0	6.6	240	7771	539	63.4	2060.2
OCT	73	10	233	7627	546	446	517	71	7.7	14.4	20.1	19.9	6.6	5.8	6.3	245	7933	540	63.7	2067.8
NOV	73	11	163	5388	551	444	511	67	8.2	14.9	21.7	20.2	6.4	5.6	6.6	246	7986	540	63.8	2073.2
DEC	73	12	166	5548	557	443	507	64	8.7	16.8	24.9	24.0	7.4	6.6	7.0	250	8121	541	64.0	2078.7
JAN	74	13	167	5592	558	443	506	63	8.9	17.1	23.8	19.1	7.5	6.6	6.5	253	8228	542	64.2	2084.3
FEB	74	14	67	2205	549	446	510	70	7.8	7.5	10.5	19.4	3.4	2.8	6.5	247	8027	542	64.2	2086.5
MAR	74	15	-0	-0	0	-0	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	236	7660	541	64.2	2086.5
APR	74	16	-0	-0	0	-0	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	220	7138	540	64.2	2086.5
MAY	74	17	-0	-0	0	-0	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	196	6357	540	64.2	2086.5
JUN	74	18	561	18456	548	451	523	72	7.6	16.6	23.0	20.5	8.3	7.9	6.4	200	6538	544	64.5	2105.0
JUL	74	19	399	13400	560	446	520	74	7.6	17.3	23.4	20.4	7.6	6.8	6.4	206	6770	548	65.2	2118.4
AUG	74	20	169	5801	572	443	509	66	8.7	14.3	20.4	20.3	5.2	4.4	6.4	189	6132	552	65.4	2124.2
SEP	74	21	255	8612	563	438	520	82	6.9	14.2	20.6	20.6	6.1	5.6	6.4	182	6052	555	65.6	2132.8
OCT	74	22	157	5357	569	436	511	75	7.6	14.4	20.6	20.4	5.8	5.1	6.4	175	5863	557	65.8	2138.2
NOV	74	23	139	4735	568	434	508	74	7.7	14.8	21.0	20.3	6.7	5.8	6.3	173	5809	559	65.9	2142.9
DEC	74	24	140	4819	574	431	506	75	7.6	14.3	20.3	20.4	5.9	5.1	6.3	171	5748	560	66.0	2147.7
JAN	75	25	139	4689	562	430	504	74	7.6	16.8	21.9	20.0	6.9	5.8	6.2	169	5673	560	66.2	2152.4
FEB	75	26	132	4567	577	429	502	73	7.9	17.9	23.6	22.0	7.2	6.2	6.5	174	5870	561	66.3	2157.0
MAR	75	27	38	1322	580	433	511	78	7.4	3.8	5.3	22.2	1.7	1.5	6.5	177	5980	562	66.4	2158.3
APR	75	28	-0	-0	0	-0	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	177	5980	562	66.4	2158.3
MAY	75	29	218	7136	543	427	499	72	7.5	10.6	14.1	19.5	4.4	4.0	6.2	196	6572	560	66.6	2165.4
JUN	75	30	512	16564	539	439	512	73	7.4	14.2	19.7	19.7	7.1	6.9	6.2	191	6414	558	67.1	2182.0
JUL	75	31	254	8292	544	418	484	66	8.2	14.3	19.6	19.6	6.4	5.8	6.2	179	5989	556	67.3	2190.3
AUG	75	32	245	8036	547	435	493	58	9.4	14.0	18.6	19.0	5.6	5.0	6.1	186	6175	554	67.6	2196.3
SEP	75	33	226	7357	543	445	505	60	9.0	14.3	18.9	18.9	6.0	5.2	6.3	183	6070	552	67.8	2205.7
OCT	75	34	176	5838	553	438	498	60	9.2	14.3	18.9	18.8	5.3	4.8	6.6	184	6110	551	68.0	2211.5
NOV	75	35	178	6013	563	439	500	61	9.2	14.1	18.8	19.0	6.6	6.1	6.7	188	6217	551	68.2	2217.5
DEC	75	36	148	4898	551	434	496	62	8.9	13.9	19.9	18.5	5.7	4.8	6.3	189	6223	549	68.3	2222.4

Well G-6

DATE			PUMP TIME	PUMP-AGE	RATE	WATER LEVEL		DRAW DOWN	SPEC CAP-ACITY	PERCENT OF FIELD			PERCENT OF TOTAL			YEARLY AVERAGE			CUMULATIVE	
				THSND		NON PUMP	PUMP		GPM/FT	PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE	RATE	PUMP TIME	PUMP-AGE THSND	RATE	PUMP TIME THSND	PUMP-AGE MILLN
MO	YR		HR	GAL	GPM	FT	FT	FT								HR	GAL	GPM	HR	GAL
JAN	73	1	132	2708	342	567	654	87	3.9	14.0	12.1	12.4	5.2	2.9	3.8	221	4975	376	25.1	538.3
FEB	73	2	141	3056	361	567	649	82	4.4	14.3	13.0	13.0	6.3	3.7	4.0	230	5184	374	25.3	538.3
MAR	73	3	126	2873	380	569	657	88	4.3	14.2	13.9	13.3	5.4	3.2	4.2	231	5147	372	25.4	541.2
APR	73	4	188	4273	379	569	662	93	4.1	14.2	13.9	13.3	6.3	3.9	4.2	222	4919	369	25.6	545.5
MAY	73	5	288	6210	359	573	664	91	3.9	15.7	13.8	12.9	7.2	4.3	4.1	205	4507	366	25.9	551.7
JUN	73	6	508	10720	352	592	681	89	4.0	14.1	13.1	13.3	7.6	4.8	4.1	217	4733	363	26.4	562.4
JUL	73	7	332	7173	360	594	643	85	4.2	14.3	13.7	13.6	6.7	4.1	4.2	220	4780	363	26.7	569.4
AUG	73	8	419	9063	361	592	677	85	4.2	14.4	13.7	13.5	7.4	4.6	4.4	228	4950	362	27.1	578.7
SEP	73	9	246	6447	365	591	681	90	4.1	15.4	14.8	13.6	7.3	4.8	4.5	239	5191	362	27.4	585.1
OCT	73	10	232	5178	372	581	671	90	4.1	14.3	13.6	13.6	6.6	3.9	4.3	244	5301	362	27.7	590.3
NOV	73	11	163	3703	379	577	668	91	4.2	14.9	14.9	13.9	6.4	3.8	4.6	245	5343	363	27.8	594.0
DEC	73	12	166	3844	386	577	660	83	4.6	16.8	16.8	16.6	7.4	4.6	4.9	249	5441	364	28.0	597.9
JAN	74	13	155	3617	389	574	661	87	4.5	15.8	15.4	13.3	6.9	4.2	4.5	251	5516	366	28.2	601.5
FEB	74	14	133	3043	381	571	658	87	4.4	15.0	14.5	13.5	6.7	3.9	4.5	250	5515	367	28.3	604.5
MAR	74	15	128	2967	384	567	657	90	4.3	16.6	16.8	16.9	6.0	3.6	4.5	251	5523	367	28.4	607.5
APR	74	16	200	4047	362	568	657	89	4.1	16.6	16.5	16.4	7.3	4.4	4.3	258	5674	366	28.7	613.6
MAY	74	17	593	12579	354	585	666	81	4.4	17.0	17.6	16.8	8.3	5.3	4.4	284	6205	364	29.3	626.2
JUN	74	18	535	11213	349	600	685	85	4.1	15.8	14.8	13.0	7.9	4.8	4.1	286	6245	364	29.8	637.4
JUL	74	19	273	5813	355	595	680	85	4.2	11.8	10.1	12.9	5.2	2.9	4.1	281	6133	364	30.1	643.2
AUG	74	20	169	3675	362	579	669	90	4.0	14.3	12.9	12.9	5.2	2.8	4.1	290	5684	364	30.3	646.9
SEP	74	21	256	5436	354	584	671	87	4.1	14.3	13.8	13.0	6.1	3.5	4.0	257	5576	363	30.5	652.3
OCT	74	22	150	3257	362	577	665	88	4.1	13.8	12.5	13.0	5.5	3.1	4.1	250	5436	362	30.7	655.5
NOV	74	23	138	3013	364	573	659	86	4.2	14.6	13.6	13.0	6.7	3.7	4.1	248	5379	361	30.8	658.6
DEC	74	24	140	3077	366	571	656	85	4.3	14.3	13.0	13.0	5.9	3.2	4.0	246	5315	360	30.9	661.6
JAN	75	25	132	2896	366	570	652	82	4.5	14.0	13.4	13.0	6.6	3.6	4.0	244	5255	359	31.1	664.5
FEB	75	26	122	2644	361	568	652	84	4.3	14.6	13.7	13.8	6.0	3.6	4.1	243	5221	358	31.2	667.2
MAR	75	27	143	4223	345	569	652	83	4.4	19.2	17.8	14.0	8.4	4.8	4.1	248	5326	357	31.4	671.4
APR	75	28	156	3374	360	567	647	80	4.5	20.3	18.8	17.9	6.7	3.6	4.4	238	5100	357	31.5	674.8
MAY	75	29	361	7678	354	575	660	85	4.2	17.5	15.2	12.8	7.4	4.3	4.0	219	4692	357	31.9	682.5
JUN	75	30	510	10376	339	587	670	83	4.1	14.2	12.5	12.4	7.1	4.3	3.9	217	4622	356	32.4	692.6
JUL	75	31	248	4945	332	588	667	79	4.2	13.9	11.7	12.0	6.3	3.5	3.8	215	4549	353	32.7	697.6
AUG	75	32	266	5402	338	585	669	84	4.0	15.3	12.5	11.8	5.1	3.3	3.8	223	4693	351	32.9	703.2
SEP	75	33	225	4568	338	586	667	82	4.1	14.2	11.7	11.8	5.9	3.2	3.9	220	4621	350	33.2	707.7
OCT	75	34	179	3720	346	576	659	83	4.2	14.0	12.0	11.8	5.4	2.9	4.0	222	4660	349	33.3	711.5
NOV	75	35	178	3771	353	578	661	83	4.3	14.1	11.8	11.9	6.6	3.9	4.2	226	4723	349	33.5	715.2
DEC	75	36	147	3056	346	576	656	82	4.2	13.8	12.4	11.6	5.6	2.8	4.0	226	4721	348	33.7	718.3

Monthly Pumping and Production Statistics

for Last Three Years

Well PM-1

DATE MO	YR		PUMP TIME HR	PUMP-AGE THSND GAL	RATE GPM	WATER LEVEL NON PUMP FT	WATER LEVEL PUMP FT	DRAW DOWN FT	SPEC CAP-ACITY GPM/FT	PERCENT OF FIELD PUMP TIME	PERCENT OF FIELD PUMP-AGE	PERCENT OF FIELD RATE	PERCENT OF TOTAL PUMP TIME	PERCENT OF TOTAL PUMP-AGE	PERCENT OF TOTAL RATE	YEARLY AVERAGE PUMP TIME HR	YEARLY AVERAGE PUMP-AGE THSND GAL	YEARLY AVERAGE RATE GPM	CUMULATIVE PUMP TIME THSND HR	CUMULATIVE PUMP-AGE MILLN GAL
JAN	73	1	123	4273	579	735	758	23	25.2	20.6	9.9	17.5	4.8	4.5	6.5	201	6979	580	18.6	677.1
FEB	73	2	104	3595	576	735	758	23	25.0	20.1	9.6	17.5	4.7	4.4	6.4	198	6812	573	18.7	680.6
MAR	73	3	128	4146	576	735	758	23	25.0	20.9	10.0	17.5	5.1	4.7	6.4	195	6643	566	18.8	684.8
APR	73	4	94	2862	507	735	754	19	26.7	15.8	6.9	15.8	3.1	2.6	5.7	182	6106	503	18.9	687.7
MAY	73	5	164	4526	460	734	749	15	30.7	18.5	7.1	14.5	4.1	3.1	5.2	166	5412	551	19.0	692.2
JUN	73	6	270	7177	443	737	755	18	24.6	21.8	8.4	14.1	4.0	3.2	5.2	158	5041	531	19.3	699.4
JUL	73	7	165	4248	429	737	754	17	26.2	15.5	5.5	13.7	3.3	2.4	5.0	150	4624	515	19.5	703.6
AUG	73	8	198	4922	414	735	753	18	24.8	16.4	5.7	13.3	3.5	2.5	5.1	144	4267	495	19.7	708.5
SEP	73	9	393	9557	405	740	755	15	28.0	39.5	16.3	13.1	9.6	7.0	4.9	166	4733	474	20.1	718.1
OCT	73	10	57	1242	363	739	756	17	21.4	7.3	2.1	11.8	1.6	.9	4.2	159	4470	469	20.1	719.3
NOV	73	11	-0	-0	0	-0	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150	4153	462	20.1	719.3
DEC	73	12	-0	-0	0	-0	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	141	3879	460	20.1	719.3
JAN	74	13	-0	-0	0	-0	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	130	3523	450	20.1	719.3
FEB	74	14	-0	-0	0	-0	-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	122	3223	441	20.1	719.3
MAR	74	15	179	7188	669	736	763	27	24.8	24.4	15.8	19.9	8.4	8.4	7.7	127	3477	457	20.3	726.5
APR	74	16	285	10625	621	736	766	30	20.7	28.3	15.3	18.7	7.4	7.6	7.4	143	4126	482	20.6	737.1
MAY	74	17	435	14395	592	742	771	29	20.4	26.4	13.4	18.0	5.6	6.0	7.3	163	4946	507	21.0	751.5
JUN	74	18	391	13829	589	742	769	27	21.8	26.6	13.7	18.0	5.8	5.9	6.9	173	5500	531	21.4	765.4
JUL	74	19	399	14199	593	745	770	25	23.7	28.0	14.4	18.1	7.6	7.2	6.8	192	6330	549	21.8	779.6
AUG	74	20	320	11446	596	743	769	26	22.9	99.0	15.9	18.1	9.9	8.8	6.7	202	6873	566	22.1	791.0
SEP	74	21	271	9735	599	745	771	26	23.0	24.5	12.4	18.2	6.5	6.3	6.8	192	6868	597	22.4	800.7
OCT	74	22	131	4691	597	740	763	23	25.9	17.4	8.5	18.2	4.8	4.4	6.7	198	7176	603	22.5	805.4
NOV	74	23	114	4173	610	738	764	26	22.5	14.0	9.5	18.5	5.5	5.2	6.8	208	7523	603	22.6	809.6
DEC	74	24	154	6058	656	738	771	33	19.9	21.5	11.7	19.6	6.5	6.4	7.2	221	8028	606	22.8	815.7
JAN	75	25	136	5382	660	739	764	25	26.4	23.4	12.9	19.6	6.8	6.7	7.2	232	8477	609	22.9	821.0
FEB	75	26	142	5574	654	739	765	26	25.2	24.4	14.7	19.5	7.7	7.6	7.3	244	8941	611	23.0	826.4
MAR	75	27	140	5528	656	738	765	27	24.4	22.6	12.4	19.6	6.1	6.2	7.4	241	8803	610	23.2	832.1
APR	75	28	149	5746	643	739	764	25	25.7	21.6	11.5	19.2	6.4	6.1	7.8	229	8396	610	23.3	837.9
MAY	75	29	325	11719	601	743	770	27	22.3	27.3	14.3	18.2	6.6	6.6	6.8	223	8173	612	23.7	849.6
JUN	75	30	448	16116	600	741	769	28	21.4	30.1	16.1	18.2	6.2	6.7	6.9	227	8306	613	24.1	865.7
JUL	75	31	185	6592	594	742	768	26	22.8	20.4	10.1	18.1	4.7	4.6	6.8	210	7730	615	24.3	872.3
AUG	75	32	266	9402	594	742	767	25	23.0	23.5	11.9	18.1	6.1	5.9	6.7	205	7566	615	24.6	881.8
SEP	75	33	187	6656	593	748	763	23	25.8	19.4	9.6	18.1	4.9	4.7	6.8	198	7369	615	24.7	888.5
OCT	75	34	264	9432	595	742	767	25	23.8	25.3	13.8	18.2	8.0	7.3	6.9	209	7764	614	25.0	897.9
NOV	75	35	130	4744	608	741	765	24	25.3	20.9	10.6	18.6	4.8	4.8	7.2	210	7752	614	25.1	902.6
DEC	75	36	195	7063	667	741	767	26	20.7	22.9	12.6	19.4	7.4	7.1	7.7	214	7897	615	25.3	910.4

Well PM-2

DATE MO	YR		PUMP TIME HR	PUMP-AGE THSND GAL	RATE GPM	WATER LEVEL NON PUMP FT	WATER LEVEL PUMP FT	DRAW DOWN FT	SPEC CAP-ACITY GPM/FT	PERCENT OF FIELD PUMP TIME	PERCENT OF FIELD PUMP-AGE	PERCENT OF FIELD RATE	PERCENT OF TOTAL PUMP TIME	PERCENT OF TOTAL PUMP-AGE	PERCENT OF TOTAL RATE	YEARLY AVERAGE PUMP TIME HR	YEARLY AVERAGE PUMP-AGE THSND GAL	YEARLY AVERAGE RATE GPM	CUMULATIVE PUMP TIME THSND HR	CUMULATIVE PUMP-AGE MILLN GAL
JAN	73	1	325	27097	1390	847	904	57	24.4	54.5	42.7	42.1	12.7	28.5	15.5	382	31918	1392	24.2	2049.0
FEB	73	2	277	23178	1394	847	904	57	24.5	53.6	41.7	42.4	12.4	28.1	15.5	378	31527	1391	24.5	2072.8
MAR	73	3	325	27198	1395	848	904	56	24.9	56.6	45.5	42.4	13.8	30.6	15.4	373	31094	1391	24.8	2100.0
APR	73	4	334	27862	1390	847	904	57	24.4	53.4	40.8	43.2	11.1	25.6	15.5	367	30603	1391	25.2	2127.8
MAY	73	5	356	29829	1396	848	905	57	24.5	48.2	47.1	43.9	8.9	20.5	15.8	363	30323	1391	25.5	2157.7
JUN	73	6	476	39602	1387	849	907	58	23.9	58.5	46.2	44.0	7.1	17.8	16.1	369	30818	1391	26.0	2197.3
JUL	73	7	484	40146	1382	850	909	59	23.4	45.6	52.1	44.1	9.7	22.9	16.2	364	30378	1390	26.5	2237.4
AUG	73	8	484	40974	1382	851	910	59	23.4	46.9	47.2	44.4	8.7	20.7	16.9	369	30756	1389	27.0	2278.4
SEP	73	9	345	32012	1384	851	909	58	23.9	38.7	54.4	44.7	9.4	23.5	16.9	371	30918	1389	27.4	2310.4
OCT	73	10	440	36560	1385	850	909	59	23.5	56.3	60.4	45.1	12.5	27.8	16.0	379	31602	1388	27.8	2347.0
NOV	73	11	369	30632	1384	849	909	60	23.1	45.3	46.5	51.3	14.5	31.7	16.7	383	31847	1387	28.2	2377.6
DEC	73	12	336	25469	1387	850	909	59	23.5	45.4	46.6	51.4	13.6	30.2	17.5	381	31713	1388	28.5	2403.1
JAN	74	13	314	26174	1389	851	906	55	25.3	46.1	47.5	51.4	14.0	30.7	16.2	380	31636	1388	28.8	2429.2
FEB	74	14	326	27192	1390	851	907	56	24.8	70.0	71.1	51.4	16.3	34.9	16.4	384	31971	1387	29.1	2456.4
MAR	74	15	348	28972	1388	850	907	57	24.3	51.4	40.4	41.2	16.4	33.7	16.8	386	32119	1387	29.5	2485.4
APR	74	16	413	34454	1390	850	907	57	24.4	41.1	49.7	41.8	10.8	24.7	16.5	393	32668	1387	29.9	2519.9
MAY	74	17	635	52567	1379	854	912	58	24.8	41.3	49.5	42.0	8.8	22.0	17.0	416	34561	1385	30.5	2572.4
JUN	74	18	574	47630	1377	856	916	60	24.8	39.1	47.1	42.1	8.5	20.4	16.1	424	35213	1384	31.1	2619.8
JUL	74	19	607	50149	1377	855	915	60	24.0	42.6	51.5	41.9	11.5	25.4	15.8	434	36047	1383	31.7	2670.0
AUG	74	20	567	41860	1377	853	916	63	21.9	45.9	55.7	41.8	15.7	32.1	15.5	435	36123	1383	32.2	2711.9
SEP	74	21	536	44220	1375	855	917	62	22.2	48.5	47.1	41.8	12.9	28.6	15.7	448	37148	1382	32.7	2756.1
OCT	74	22	446	36822	1376	855	915	60	22.9	59.2	46.5	41.9	16.5	34.8	15.5	448	37102	1381	33.2	2792.9
NOV	74	23	364	30138	1380	854	914	60	23.0	48.8	48.8	41.8	17.6	37.2	15.4	448	37121	1381	33.5	2823.0
DEC	74	24	373	30804	1380	851	912	61	22.6	52.0	59.5	41.2	15.7	32.4	15.2	454	37572	1381	33.9	2853.9
JAN	75	25	273	22758	1389	849	909	60	23.2	47.1	54.7	41.3	13.6	28.2	15.2	450	37267	1380	34.2	2876.7
FEB	75	26	248	19997	1389	849	907	58	23.9	44.6	52.8	41.4	13.1	27.1	15.6	443	36688	1380	34.4	2896.7
MAR	75	27	307	25597	1390	850	907	57	24.4	49.5	57.9	41.4	13.4	28.9	15.7	440	36406	1380	34.7	2922.3
APR	75	28	320	26665	1389	850	908	58	24.0	46.3	53.4	41.5	13.7	28.5	16.9	432	35757	1380	35.1	2948.9
MAY	75	29	427	35516	1386	853	909	56	24.8	35.8	43.4	42.0	8.7	20.0	14.7	414	34330	1381	35.5	2984.5
JUN	75	30	479	39672	1380	850	913	57	24.2	37.1	39.7	42.0	6.7	16.5	15.9	407	33671	1381	36.0	3024.1
JUL	75	31	375	31306	1391	850	916	60	23.2	41.3	48.1	42.3	9.5	22.1	15.9	387	32121	1382	36.3	3055.4
AUG	75	32	418	34116	1387	857	917	60	23.[illegible]	36.2	42.9	42.2	9.4	21.1	15.6	379	31474	1383	36.7	3089.6
SEP	75	33	489	40499	1380	857	917	60	23.0	50.8	58.3	42.2	12.9	28.8	15.9	375	31164	1384	37.2	3130.1
OCT	75	34	514	42441	1376	859	920	61	22.6	49.2	58.5	42.1	15.5	32.7	15.8	381	31632	1384	37.7	3172.5
NOV	75	35	354	29149	1372	858	918	60	22.9	56.9	45.4	41.9	13.1	29.8	16.3	388	31550	1383	38.1	3201.6
DEC	75	36	456	37508	1374	856	917	61	22.5	53.6	48.9	40.0	17.4	34.2	15.8	387	32108	1383	38.6	3239.2

Monthly Pumping and Production Statistics

for Last Three Years

Well PM-3

DATE MO	YR		PUMP TIME HR	PUMPAGE THSND GAL	RATE GPM	WATER LEVEL NON PUMP FT	WATER LEVEL PUMP FT	DRAW DOWN FT	SPEC CAPACITY GPM/FT	PERCENT OF FIELD PUMP TIME	PERCENT OF FIELD PUMPAGE	PERCENT OF FIELD RATE	PERCENT OF TOTAL PUMP TIME	PERCENT OF TOTAL PUMPAGE	PERCENT OF TOTAL RATE	YEARLY AVERAGE PUMP TIME HR	YEARLY AVERAGE PUMPAGE THSND GAL	YEARLY AVERAGE RATE GPM	CUMULATIVE PUMP TIME THSND HR	CUMULATIVE PUMPAGE MILL GAL
JAN	73	1	148	11835	1333	753	776	23	57.6	94.8	97.4	40.4	5.8	12.5	14.9	205	16090	1311	13.8	1090.1
FEB	73	2	136	10766	1319	753	776	23	57.4	96.3	98.7	40.1	6.1	13.1	14.7	204	16085	1311	14.0	1100.9
MAR	73	3	129	10201	1318	753	776	23	57.3	92.5	94.6	40.1	5.5	11.5	14.6	196	15477	1314	14.1	1111.1
APR	73	4	198	15706	1322	753	776	23	57.5	91.6	93.8	41.1	6.6	14.4	14.8	193	15195	1314	14.3	1126.8
MAY	73	5	365	28967	1323	755	778	23	57.5	41.2	45.7	41.6	9.1	19.9	15.0	189	14903	1318	14.7	1155.7
JUN	73	6	491	38901	1320	755	780	25	56.8	99.7	45.4	41.9	7.3	17.5	15.4	205	16248	1320	15.2	1194.6
JUL	73	7	413	32713	1320	756	780	24	55.0	98.9	42.4	42.2	8.3	18.7	15.5	220	17403	1321	15.6	1227.4
AUG	73	8	516	40874	1324	756	781	25	56.8	49.7	47.1	42.4	9.1	20.6	16.1	240	19019	1321	16.1	1268.2
SEP	73	9	217	17087	1312	756	779	23	57.1	91.8	99.1	42.3	5.3	12.5	15.0	248	19644	1321	16.3	1285.3
OCT	73	10	285	22577	1320	755	780	25	56.8	96.4	97.4	43.0	8.1	17.1	15.3	252	20500	1321	16.6	1307.9
NOV	73	11	196	15459	1315	755	778	23	57.2	94.7	93.8	48.7	7.7	16.0	15.8	269	21070	1321	16.8	1323.4
DEC	73	12	162	12758	1313	755	778	23	57.1	94.6	93.4	48.6	7.2	15.1	16.6	271	21487	1320	16.9	1336.1
JAN	74	13	161	12711	1316	755	778	23	57.2	93.9	92.7	48.6	7.2	14.9	15.4	272	21500	1319	17.1	1348.8
FEB	74	14	140	11027	1313	755	778	23	57.1	94.0	98.9	48.6	7.0	14.1	15.5	273	21582	1319	17.2	1359.9
MAR	74	15	150	11805	1312	755	778	23	57.0	92.2	94.4	38.9	7.1	13.7	15.1	274	21715	1318	17.4	1371.7
APR	74	16	308	24305	1315	754	778	24	54.8	90.6	95.0	39.5	8.0	17.4	15.6	284	22432	1318	17.7	1396.0
MAY	74	17	476	39118	1314	756	780	24	54.8	92.3	94.9	40.0	6.9	16.4	16.2	295	23278	1317	18.2	1435.1
JUN	74	18	504	39478	1305	758	783	25	56.2	94.3	99.7	39.9	7.4	17.0	15.3	296	23326	1315	18.7	1474.6
JUL	74	19	420	33110	1314	757	782	25	56.6	99.5	94.0	40.0	8.0	16.8	15.1	296	23359	1314	19.1	1507.7
AUG	74	20	277	21891	1317	756	780	24	54.9	95.1	99.1	40.0	8.6	16.8	14.8	276	21777	1313	19.4	1529.6
SEP	74	21	298	23530	1316	756	780	24	54.8	97.0	90.4	40.0	7.2	15.2	15.0	283	22314	1314	19.7	1553.1
OCT	74	22	176	13852	1312	756	778	22	59.6	93.4	95.0	39.9	6.5	13.1	14.7	274	21597	1313	19.9	1566.9
NOV	74	23	121	9520	1311	755	778	23	57.0	90.2	91.7	39.7	5.8	11.7	14.6	268	21092	1313	20.0	1576.5
DEC	74	24	190	14941	1311	755	778	23	57.0	96.5	98.8	39.2	8.0	15.7	14.4	270	21276	1313	20.2	1591.4
JAN	75	25	171	13406	1312	755	778	23	57.1	99.5	92.4	39.0	8.5	16.7	14.4	271	21337	1313	20.4	1604.9
FEB	75	26	156	12293	1313	755	778	23	57.1	99.0	92.9	39.1	8.5	16.7	14.7	272	21442	1313	20.5	1617.2
MAR	75	27	173	13598	1310	755	778	23	57.0	97.9	90.4	39.0	7.6	15.3	14.8	274	21592	1313	20.7	1630.8
APR	75	28	222	17563	1319	755	779	24	54.9	92.1	95.1	39.4	9.5	18.8	16.1	267	21030	1313	20.9	1648.3
MAY	75	29	440	34667	1313	757	780	23	57.1	94.9	42.9	39.8	9.0	19.5	14.9	262	20659	1313	21.4	1683.0
JUN	75	30	563	44258	1310	759	782	23	57.0	97.8	44.9	39.8	7.8	18.4	15.1	267	21057	1313	21.9	1727.3
JUL	75	31	348	27157	1301	760	783	23	56.5	94.3	41.7	39.6	8.8	19.1	14.8	261	20561	1312	22.3	1754.4
AUG	75	32	458	35859	1305	758	782	24	54.4	40.4	45.1	39.7	10.5	22.1	14.7	276	21725	1310	22.7	1790.3
SEP	75	33	286	22313	1300	758	781	23	56.5	99.7	92.1	39.7	7.5	15.9	15.0	275	21624	1309	23.0	1812.6
OCT	75	34	266	20705	1297	757	783	26	49.9	95.5	98.5	39.7	8.0	15.9	14.9	283	22195	1308	23.3	1833.3
NOV	75	35	138	10702	1293	757	781	24	53.9	92.2	94.0	39.5	5.1	10.9	15.3	284	22293	1307	23.4	1844.0
DEC	75	36	200	16724	1394	757	781	24	58.1	93.5	96.9	40.6	7.4	15.2	16.0	289	22442	1312	23.6	1860.7