Confidential Claim Retracted

Authorized by: SC

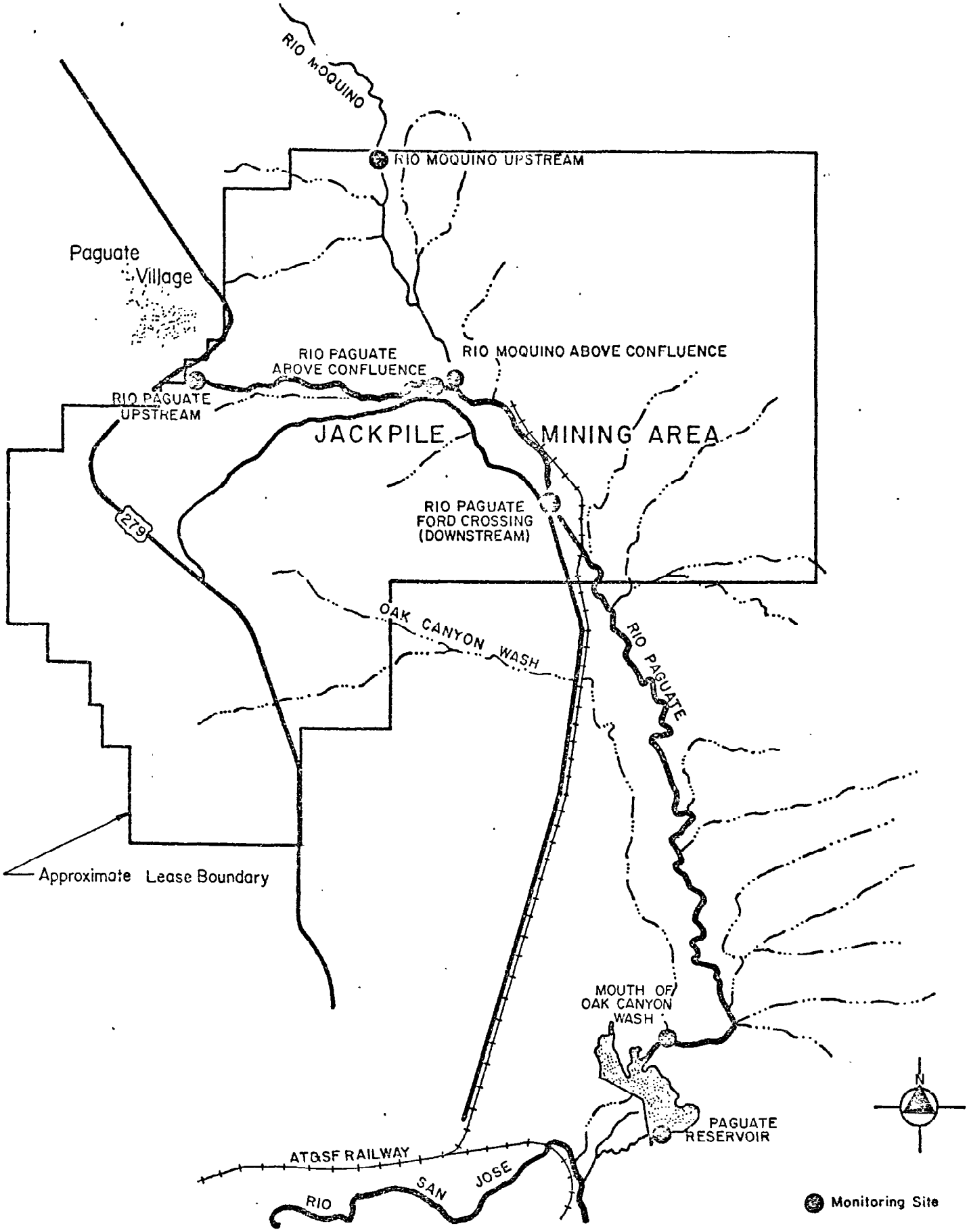
Date: 6/26/13

JACKPILE - WATER RADIOLOGICAL ANALYSIS

(SECOND QUARTER, 1984)

Descriptive Location	Ra-226, pCi/L			Uranium-Natural, ppm		
	Apr	May	Jun	Apr	May	Jun
Rio Paguate Upstream	0.16	0.04	0.15	< 0.003	0.001	0.001
Rio Moquino Upstream	0.23	0.14	0.26	0.006	0.006	0.005
Rio Paguate Above the Confluence	0.94	1.72	1.28	0.015	0.029	0.051
Rio Moquino Above the Confluence	0.74	2.58	0.83	0.015	0.027	0.034
Rio Paguate - Ford Crossing	0.94	3.20	1.64	0.064	0.097	0.130
Paguate Reservoir	0.28	0.38	0.46	0.217	0.265	0.274
Mouth of Oak Canyon Wash	*	*	*	*	*	*

* No Sample because the Mouth of Oak Canyon Wash was dry.



LOCATION OF
SURFACE WATER MONITORING STATIONS

JACKPILE - AMBIENT RADON SURVEY

(SECOND QUARTER, 1984)

	Location	Date	Rn-222 pCi/L
1.	P-10 Area	4/84	0.41
		5/84	0.47
		6/84	< 0.20
2.	Well #4	4/84	0.58
		5/84	< 0.20
		6/84	0.32
3.	Westgate	4/84	< 0.20
		5/84	< 0.20
		6/84	0.21

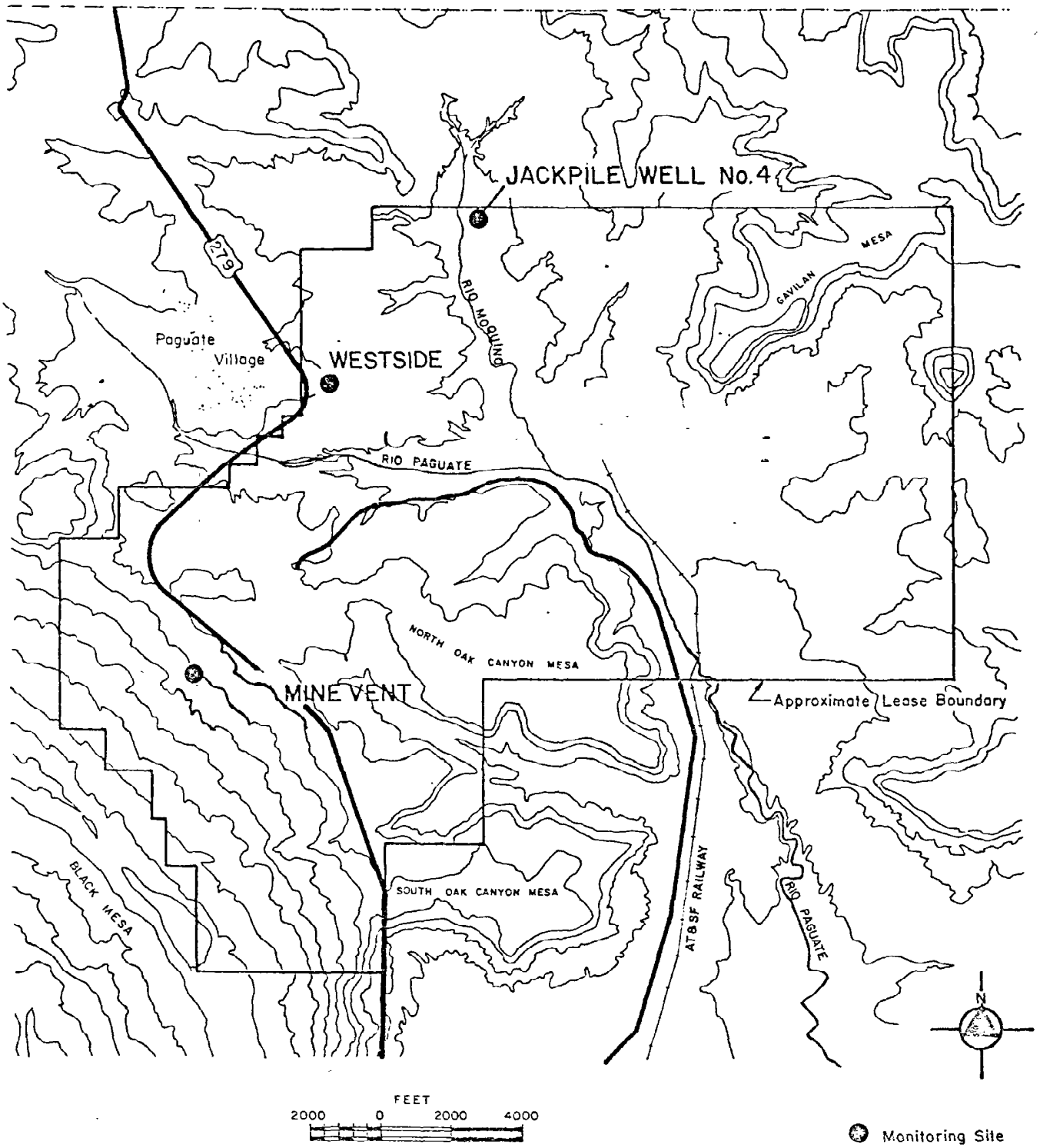
JACKPILE - AIR SAMPLING SURVEY

(SECOND QUARTER, 1984)

	Location	Date	Particulate $\mu gm/m^3$	U-nat. $\mu Ci/ml \times 10^{-15}$	Ra-226 $\mu Ci/ml \times 10^{-15}$	Th-230 $\mu Ci/ml \times 10^{-15}$	Pb-210 $\mu Ci/ml \times 10^{-15}$
1.	P-10 Area	4/84	13.49	< 0.02	<0.06	0.19	28.37
		5/84	29.11	0.58	0.58	2.05	31.99
		6/84	21.42	0.75	0.37	1.36	*
2.	Westgate	4/84	16.03	< 0.02	< 0.08	0.38	19.76
		5/84	30.71	0.23	0.39	1.32	23.98
		6/84	6.21	0.13	0.39	1.05	*
3.	Well #4	4/84	14.99	0.02	0.06	0.32	20.33
		5/84	33.15	0.62	0.44	5.98	35.58
		6/84	27.71	0.21	0.32	0.82	*

*June Pb-210 results will be forwarded to you at a later date.

LOCATION OF
AIR QUALITY MONITORING STATIONS



DESCRIPTION	DATE	pH	TDS ppm	Cond umhos @ Field Temp.	HCO_3^- ppm	Cl^- ppm	$SO_4^=$ ppm	Na^+ ppm	K^+ ppm	Ca^{++} ppm	Mg^{++} ppm	NO_3^- ppm	F^- ppm	SiO_2 ppm	Mn^{++} ppm
Rio Paguate Upstream	4-4-84	8.00	773	730	329	11.5	242	39.4	5.0	101	43	1.7	0.42	77	0.052
Rio Moquino Upstream	4-4-84	8.03	1429	1520	244	12.5	798	133	6.7	148	84	2.0	0.51	45	0.005
Rio Paguate Above the Confluence	4-4-84	8.38	782	760	305	11.5	270	48	5.2	91	49	1.7	0.44	71	0.013
Rio Moquino Above the Confluence	4-4-84	8.36	1685	1680	283	15.0	948	167	7.0	156	106	1.8	0.58	41	0.011
Rio Paguate Ford Crossing	4-4-84	8.41	1496	1500	305	16.8	788	145	6.9	135	97	1.8	0.60	52	0.028
Paguate Reservoir	4-4-84	7.90	1704	1450	268	27.0	951	170	12.5	183	90	2.0	0.57	34	0.011

	DATE	As ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm	Cu ppm	Fe ppm	Zn ppm	Mo ppm	Ni ppm	V ppm
Rio Paguate Upstream	4-4-84	< 0.005	0.06	< 0.001	< 0.005	< 0.01	< 0.0005	< 0.005	0.007	< 0.005	0.003	< 0.01	< 0.005	< 0.05
Rio Moquino Upstream	4-4-84	< 0.005	< 0.05	< 0.001	< 0.005	< 0.01	< 0.0005	< 0.005	0.001	0.008	< 0.001	< 0.01	< 0.005	< 0.05
Rio Paguate Above the Confluence	4-4-84	< 0.005	< 0.05	< 0.001	< 0.005	< 0.01	< 0.0005	< 0.005	< 0.001	0.005	< 0.001	< 0.01	< 0.005	< 0.05
Rio Moquino Above the Confluence	4-4-84	< 0.005	< 0.05	< 0.001	< 0.005	< 0.01	< 0.0005	< 0.005	< 0.001	< 0.005	< 0.001	< 0.01	< 0.005	< 0.05
Rio Paguate Ford Crossing	4-4-84	< 0.005	< 0.05	< 0.001	< 0.005	< 0.01	< 0.0005	< 0.005	0.003	< 0.005	< 0.001	< 0.01	< 0.005	< 0.05
Paguate Reservoir	4-4-84	< 0.005	< 0.05	< 0.001	< 0.005	< 0.01	< 0.0005	< 0.005	0.002	0.015	< 0.001	< 0.01	< 0.005	< 0.05

NEW MEXICO OPERATIONS

FOR THE MONTH OF: _____

DESCRIPTION	DATE	pH	TDS ppm	Cond umhos @ Field Temp.	HCO_3^- ppm	Cl^- ppm	$SO_4^=$ ppm	Na^+ ppm	K^+ ppm	Ca^{++} ppm	Mg^{++} ppm	NO_3^- ppm	F^- ppm	SiO_2 ppm	Mn^{++} ppm
io Paguate pstream	5-1-84	8.23	839	730	315	9.5	291	47.7	5.3	123	45.5	1.3	0.52	56	0.064
io Moquino pstream	5-1-84	8.34	1612	1530	261	11.2	907	171	7.5	152	98	3.1	0.64	36	0.014
io Paguate Above he Confluence	5-1-84	8.36	904	910	285	11.1	370	64	5.9	107	58	2.4	0.57	40	0.037
io Moquino Above he Confluence	5-1-84	8.58	1893	1830	237	12.9	1132	217	8.0	159	124	1.7	0.79	30	0.032
io Paguate ord Crossing	5-1-84	8.48	1735	2610	278	15.0	988	181	7.5	150	113	1.1	0.76	50	0.040
aguate Reservoir	5-1-84	7.95	2155	1840	288	27.0	1258	218	13.8	236	111	1.7	0.74	17	0.029

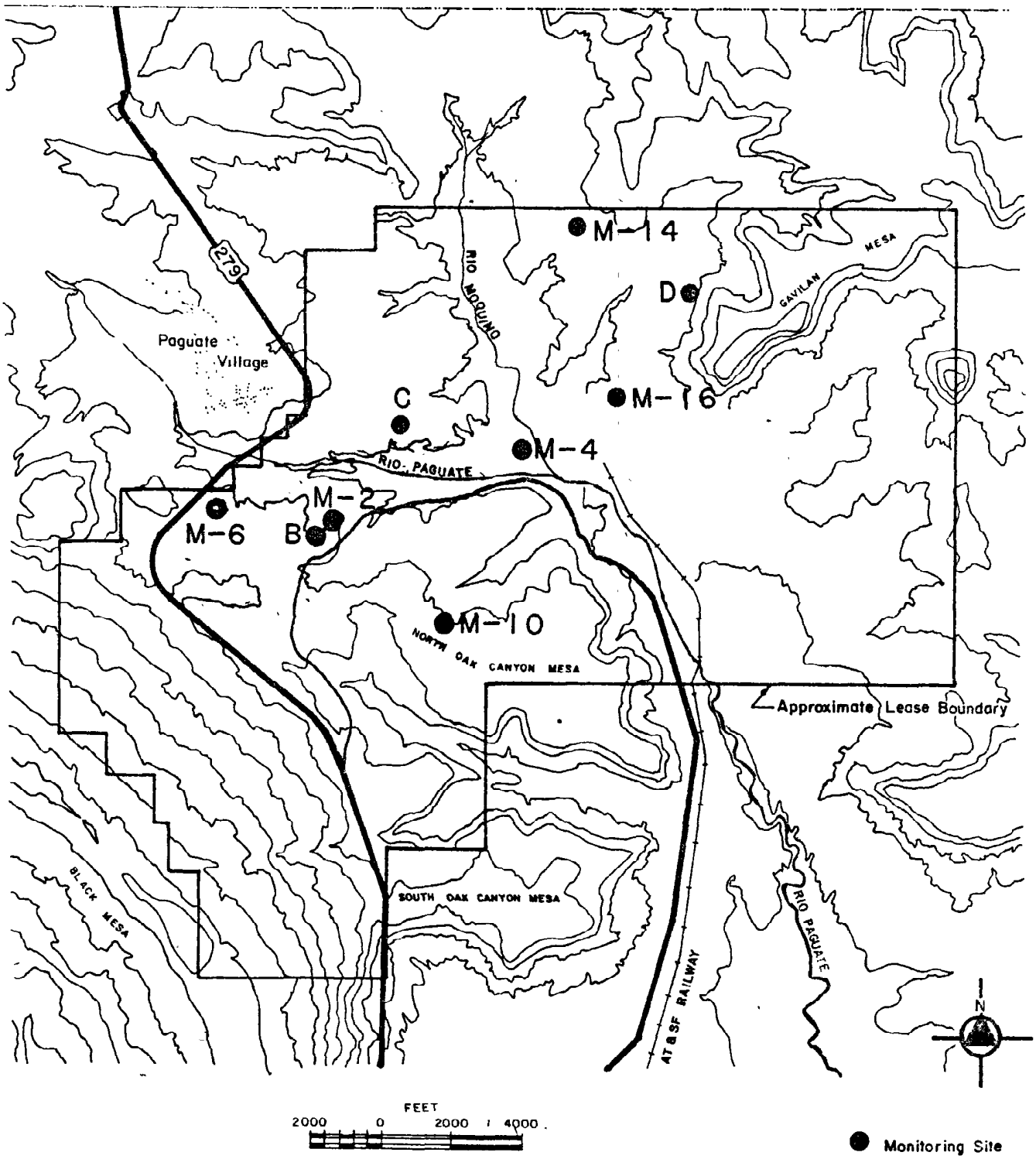
	DATE	As ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm	Cu ppm	Fe ppm	Zn ppm	Mo ppm	Ni ppm	V ppm
io Paguate pstream	5-1-84	< 0.005	0.06	< 0.001	< 0.005	< 0.01	< 0.0005	< 0.005	0.002	0.015	0.005	< 0.01	0.005	< 0.05
io Moquino pstream	5-1-84	< 0.005	< 0.05	< 0.001	< 0.005	< 0.01	< 0.0005	< 0.005	0.002	0.024	0.004	< 0.01	0.008	< 0.05
io Paguate Above he Confluence	5-1-84	< 0.005	< 0.05	< 0.001	< 0.005	< 0.01	< 0.0005	< 0.005	0.002	0.018	0.003	< 0.01	0.005	< 0.05
io Moquino Above he Confluence	5-1-84	< 0.005	< 0.05	< 0.001	< 0.005	< 0.01	< 0.0005	< 0.005	0.007	0.018	0.004	< 0.01	0.008	< 0.05
io Paguate ord Crossing	5-1-84	< 0.005	< 0.05	< 0.001	< 0.005	< 0.01	< 0.0005	< 0.005	0.002	0.015	0.004	< 0.01	0.010	< 0.05
aguate Reservoir	5-1084	< 0.005	< 0.05	< 0.001	< 0.005	< 0.01	< 0.0005	< 0.005	0.018	0.051	0.012	< 0.01	0.008	< 0.05

CONFIDENTIAL

POL-EPA01-0004683

DESCRIPTION	DATE	pH	TDS ppm	Cond umhos @ Field Temp.	HCO_3^- ppm	Cl^- ppm	$SO_4^=$ ppm	Na^+ ppm	K^+ ppm	Ca^{++} ppm	Mg^{++} ppm	NO_3^- ppm	F^- ppm	SiO_2 ppm	Mn^{++} ppm
Rio Paguate Upstream	6-4-84	8.37	777	730	317	9.6	247	47	7.0	112	36	1.2	0.42	37.3	0.035
Rio Moquino Upstream	6-4-84	7.90	1719	1900	244	13.5	989	200	11.4	157	102	1.4	0.58	19.5	0.007
Rio Paguate Above the Confluence	6-4-84	7.85	953	1020	285	13.1	400	80	8.4	107	57	1.8	0.55	30.0	0.027
Rio Moquino Above the Confluence	6-4-84	7.91	2134	2150	276	16.1	1246	253	12.1	197	131	1.8	0.76	18.1	0.027
Rio Paguate Ford Crossing	6-4-84	7.84	1844	2090	283	17.9	1044	217	11.3	150	118	1.6	0.74	21.5	0.042
Paguate Reservoir	6-4-84	7.56	2568	2550	212	31.8	1606	296	22.2	257	140	1.6	0.72	12.9	0.15

	DATE	As ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm	Cu ppm	Fe ppm	Zn ppm	Mo ppm	Ni ppm	V ppm
Rio Paguate Upstream	6-4-84	<0.005	<0.05	<0.001	<0.005	<0.01	<0.0005	<0.005	0.011	0.037	<0.001	<0.01	0.006	<0.05
Rio Moquino Upstream	6-4-84	<0.005	<0.05	<0.001	<0.005	0.01	<0.0005	<0.005	0.007	0.02	<0.001	<0.01	<0.005	<0.05
Rio Paguate Above the Confluence	6-4-84	<0.005	<0.05	<0.001	<0.005	<0.01	<0.0005	<0.005	0.006	0.044	<0.001	<0.01	0.007	<0.05
Rio Moquino Above the Confluence	6-4-84	<0.005	<0.05	<0.001	<0.005	0.01	<0.0005	<0.005	0.008	0.054	<0.001	<0.01	<0.005	<0.05
Rio Paguate Ford Crossing	6-4-84	<0.005	<0.05	<0.001	<0.005	<0.01	<0.0005	<0.005	0.006	0.24	<0.001	<0.01	<0.005	<0.05
Paguate Reservoir	6-4-84	<0.005	<0.05	<0.001	<0.005	0.01	<0.0005	<0.005	0.007	0.26	<0.001	<0.01	<0.005	0.05

CONFIDENTIAL

LOCATION OF GROUND WATER MONITORING STATIONS