ANACONDA MINERALS COMPANY
NEW MEXICO OPERATIONS

1st Quarter 1986

Description	Date	Field pH	Field Cond. umhos	Lab Cond. umhos	HCO4 ppm	Cl ppm	SO4 ppm	Na ppm	K ppm	Ca ppm	Mg ppm	NO3 ppm	F ppm	SiO ppm2	Mn ppm	Fe ppm	TDS ppm	Lab pH
Rio Paguate Upstream	1/2/86	8.20	750	800	275	10	229	30	4	110	41	<1.0		36	<.10	<.10	638	7.98
Rio Moquino Upstream	1/2/86	8.50	1300	1380	248	9	625	99	8	142	71	<1.0		25	<.10	.10	1197	8.22
Rio Paguate Above Confluence	1/2/86	8.30	795	820	272	10	255	34	4.0	107	44	<1.0		32	<.10	<.10	644	8.01
Rio Moquino Above Confluence	1/2/86	8.44	1600	1650	245	12	795	131	10	149	92	<1.0		24	<.10	.10	1330	8.15
io Paguate @ rord Crossing	1/2/86	8.41	1500	1600	257	13	712	118	9	144	88	<1.0		23	<.10	<.10	1336	8.20
Paguate Reser.	1/2/86	7.00	1525	1450	280	28	556	106	18	153	58	<1.0		15	.30	.15	1136	7.80

	Date	Zn ppm	Pb ppm	Ni ppm	Se ppm	Ba ppm	Cu ppm							U-Nat mg/l	Ra-226 pCi/l			
Rio Paguate Upstream	1/2/86													.0028	.21± .10			
Rio Moquino Upstream	1/2/86													.0042	<.20			
Rio Paguate Above Confluence	1/2/86													.0180	.42± .14			
io Moquino Above Confluence	1/2/86													.0219	.41± .19			
Rio Paguate @ Ford Crossing	1/2/86													.0408	.95± .42			
Paguate Reservoir	1/2/86													.0846	.37± .16			

CONFIDENTIAL

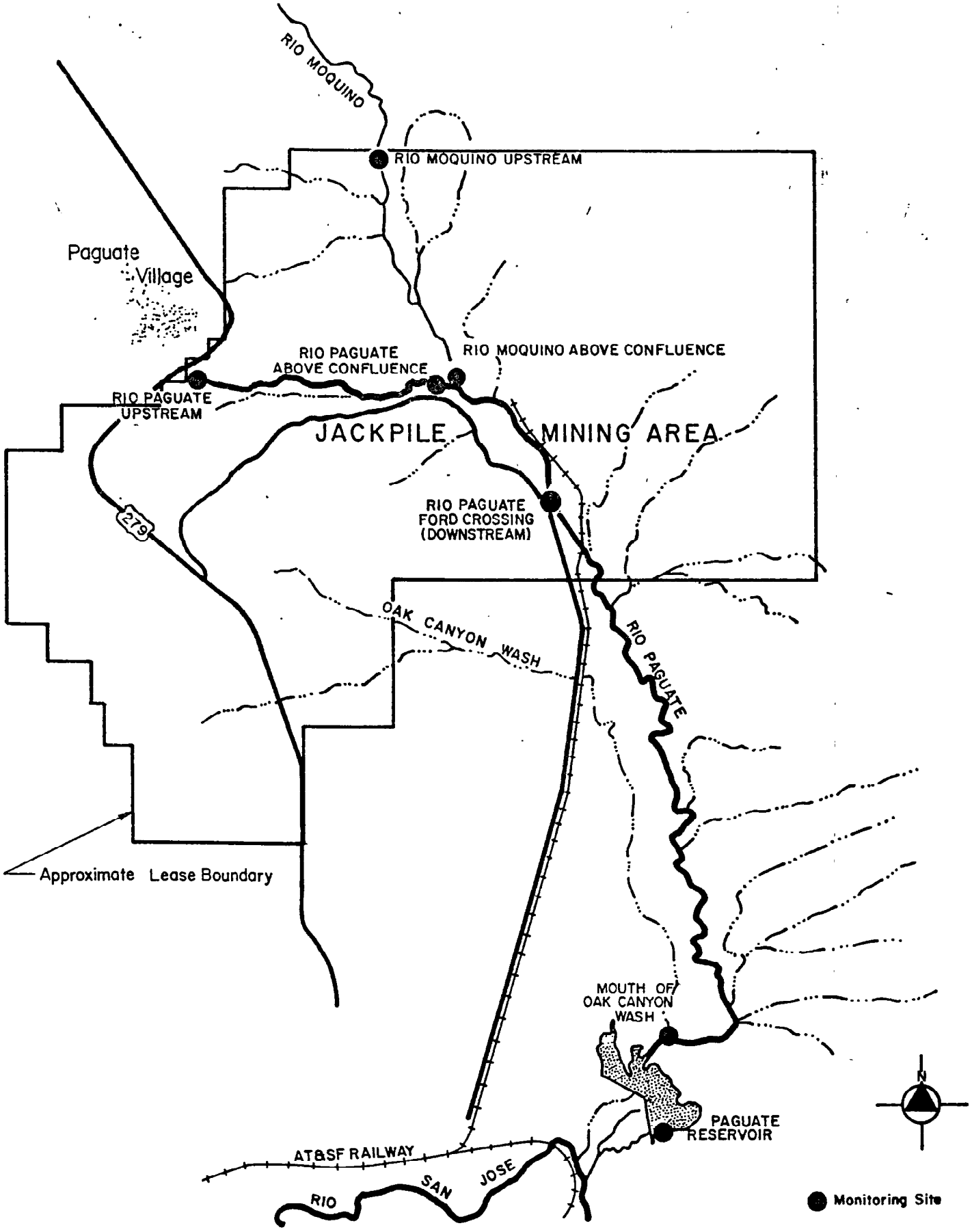
POL-EPA01-0004663

Confidential Claim Retracted

AUTHORIZED BY:

DATE: 5/16/13

9404148



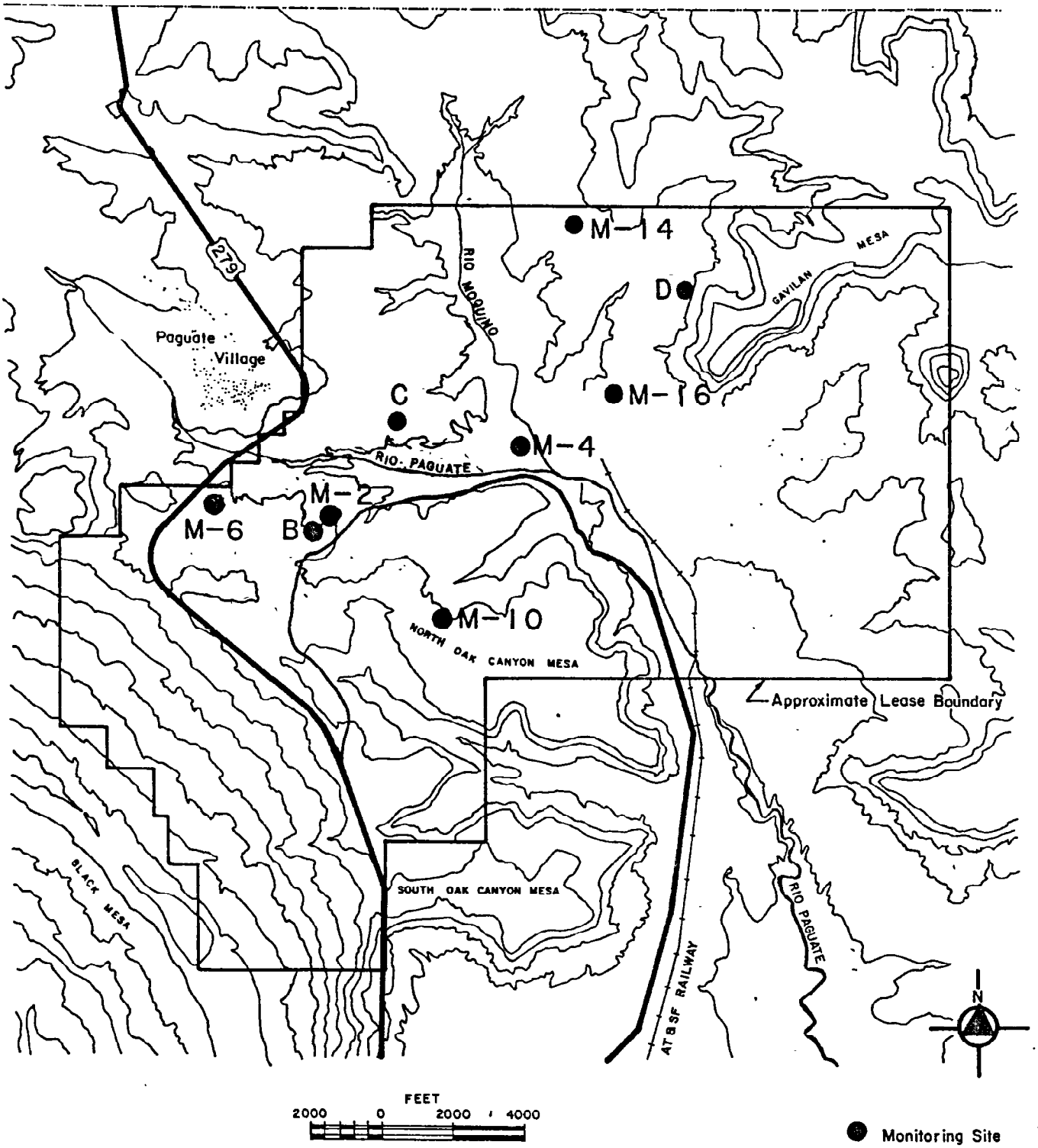
LOCATION OF
SURFACE WATER MONITORING STATIONS

ANACONDA MINERALS COMPANY
NEW MEXICO OPERATIONS

1st Quarter 1986

Description	Date	Water Level	Field pH	Field Temp. °C	Field Elect. Cond.	TDS	SO4	U-Nat mg/l	Ra-226 pCi/L	Field pH	Field EC	
M-2	1-9-86	5971.37	8.27	15.0	1600	1048	441	.0034	.29 ± .14	7.75	1690	
M-4	1-9-86	5896.39	8.17	15.0	1050	720	281	.0012	.75 ± .25	7.64	1010	
M-6	1-9-86	5987.96	8.26	16	1450	963	352	.0021	.42 ± .21	7.99	1450	
M-10	1-9-86	5958.80	7.78	15.5	2000	1306	652	.0708	7.69 ± 1.79	7.64	2000	
M-14	1-9-86	5937.74	8.86	16.5	650	422	37	.0012	.28 ± .13	8.36	620	
M-16	1-9-86	5907.98	7.48	17.0	1000	569	141	.0325	.41 ± .15	7.62	860	
"B"	1-9-86	5977.25	6.16	18.5	7750	7616	5039	.0122	2.06 ± 1.54	6.30	7900	
"C"	1-9-86	5930.54	6.80	14.0	3800	3987	2436	1.577	4.40 ± 1.18	6.84	4000	
"D"	1-9-86	5848.28	8.96	15.0	5800	4606	2467	.1997	0.83 ± .25	9.00	6000	

LOCATION OF GROUND WATER MONITORING STATIONS



JACKPILE - AIR SAMPLING

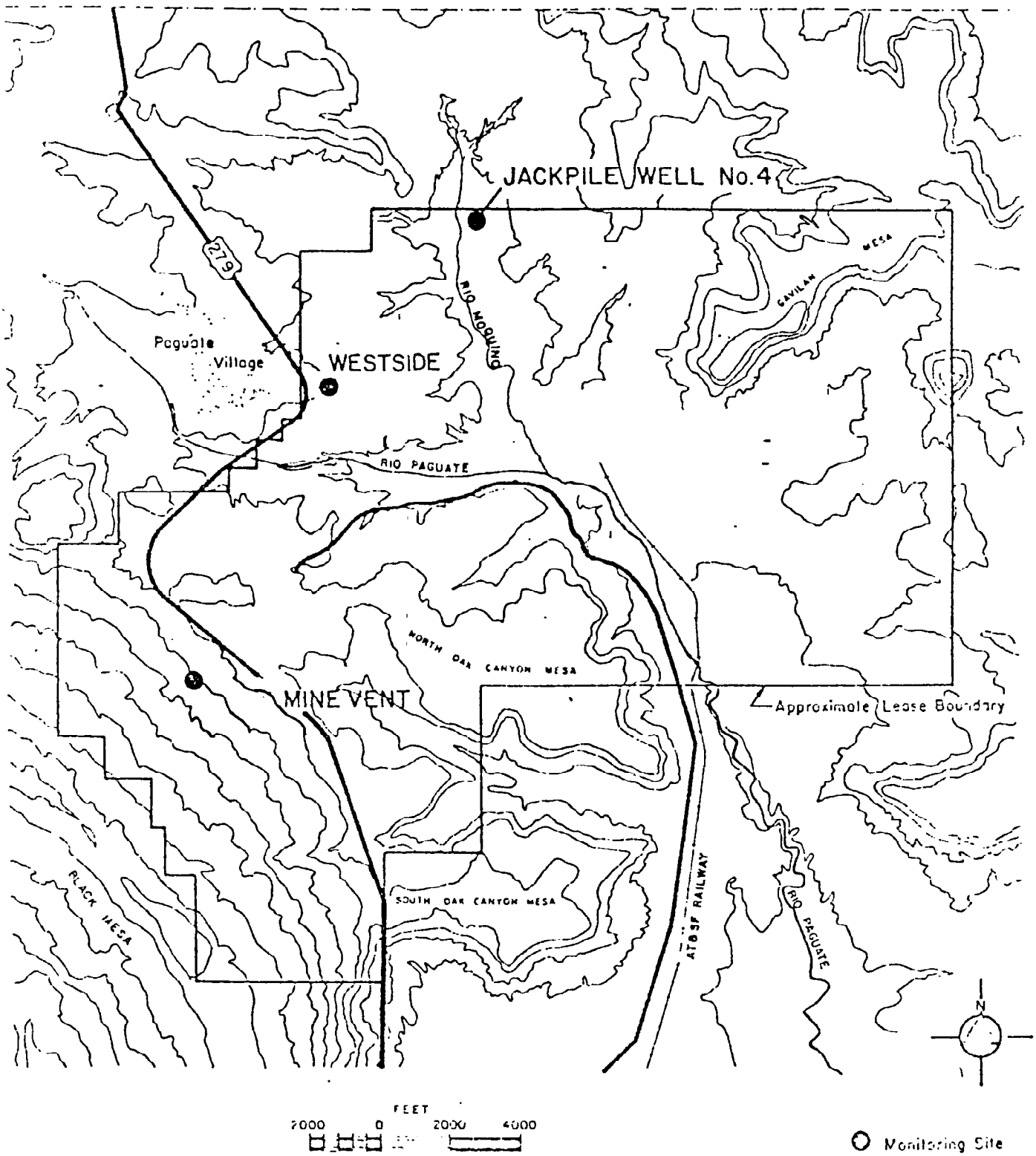
FIRST QUARTER, 1986

LOCATION	DATE	TOTAL PARTICULATE ugm/M^3	U-Nat. uCi/mlx10-15	Ra-226 uCi/mlx10-15	Th-230 uCi/mlx10-15	Pb-210 uCi/mlx10-15
1. P-10 Area	01/86	8.49	.37	.234 ± .129	.922 ± .61	48.59 ± 2.46
2. West Gate	01/86	15.50	.23	.248 ± .130	.868 ± .56	35.96 ± 1.86
3. Well #4	01/86	10.52*	.43	.213 ± .110	1.596 ± .77	31.91 ± 1.77

*This value may include a contribution from a landfill burning adjacent to this station, installed and operated by the Laguna Reservation and Tribe, respectively.

JACKPILE-AMBIENT RADON CONCENTRATION

FIRST QUARTER, 1986

LOCATION	DATE	Rn-222 pCi/L
1. P-10 Area	01/86	2.37
	02/86	1.58
	03/86	2.04
2. Westgate	01/86	0.86
	02/86	0.61
	03/86	0.75
3. Well #4	01/86	1.18
	02/86	0.75
	03/86	0.91

LOCATION OF
AIR QUALITY MONITORING STATIONS