ANACONDA MINERALS COMPANY
NEW MEXICO OPERATIONS — Third Quarter, 1985

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	SiO2 ppm	Mn ppm	Fe ppm	TDS ppm	Lab pH
Rio Paguate Upstream	7-1-85	8.17	1000	984	254	12	254	48	8	126	46	<1.0	0.56	31	.02	<.01	678	8.23
Rio Moquino Upstream	7-1-85	8.49	2300	2290	234	19	1090	250	14	166	126	<1.0	1.00	18	<.01	<.01	1930	8.29
Rio Paguate Above Confluence	7-1-85	7.96	1750	1716	302	19	570	130	12	152	108	<1.0	0.90	21	0.20	<.01	1330	8.29
Rio Moquino Above Confluence	7-1-85	8.00	2900	2860	242	21	1650	340	14	211	173	<1.0	1.40	18	<.01	<.01	2580	8.19
Rio Paguate @ Ford Crossing	7-1-85	8.20	2700	2860	257	28	1310	300	17	188	164	<1.0	1.30	16	.01	<.01	2370	8.16
Paguate Res.	7-1-85	7.27	1750	1650	300	13	661	170	15	145	77	<1.0	0.98	2	1.0	.14	1270	7.93

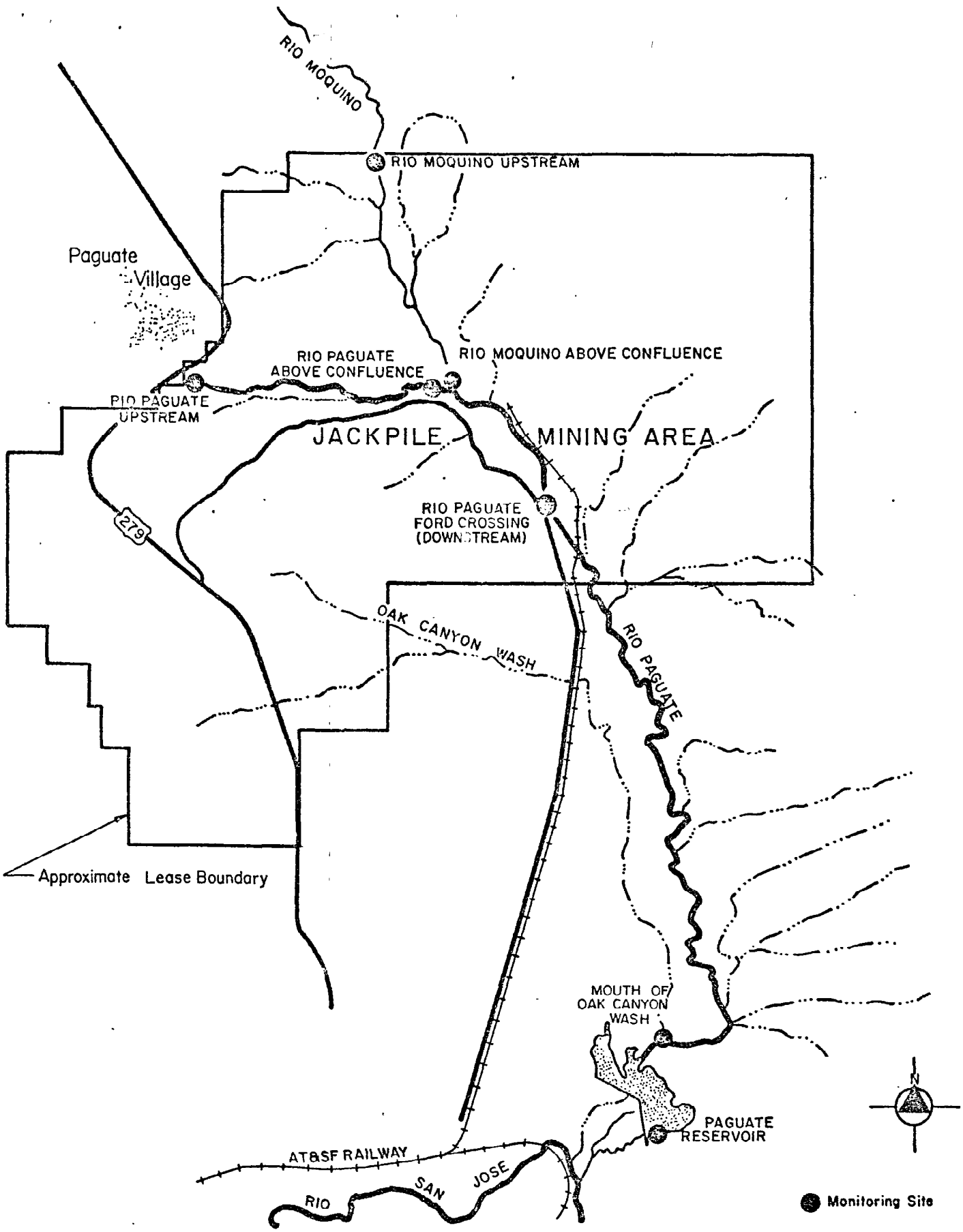
	Date	U-Nat mg/l	Ra-226 pCi/l
Rio Paguate Upstream	7-1-85	.0020	.26± .16
Rio Moquino Upstream	7-1-85	.0039	.16± .12
Rio Paguate Above Confluence	7-1-85	.1099	2.29± .61
Rio Moquino Above Confluence	7-1-85	.0500	1.51± .47
Rio Paguate @ Ford Crossing	7-1-85	.2650	2.11± .66
Paguate Reservoir	7-1-85	.0236	1.13± .36

CONFIDENTIAL

POL-EPA01-0004609

Confidential Claim Retracted
AUTHORIZED BY: SL
DATE: 5/16/13

9404135



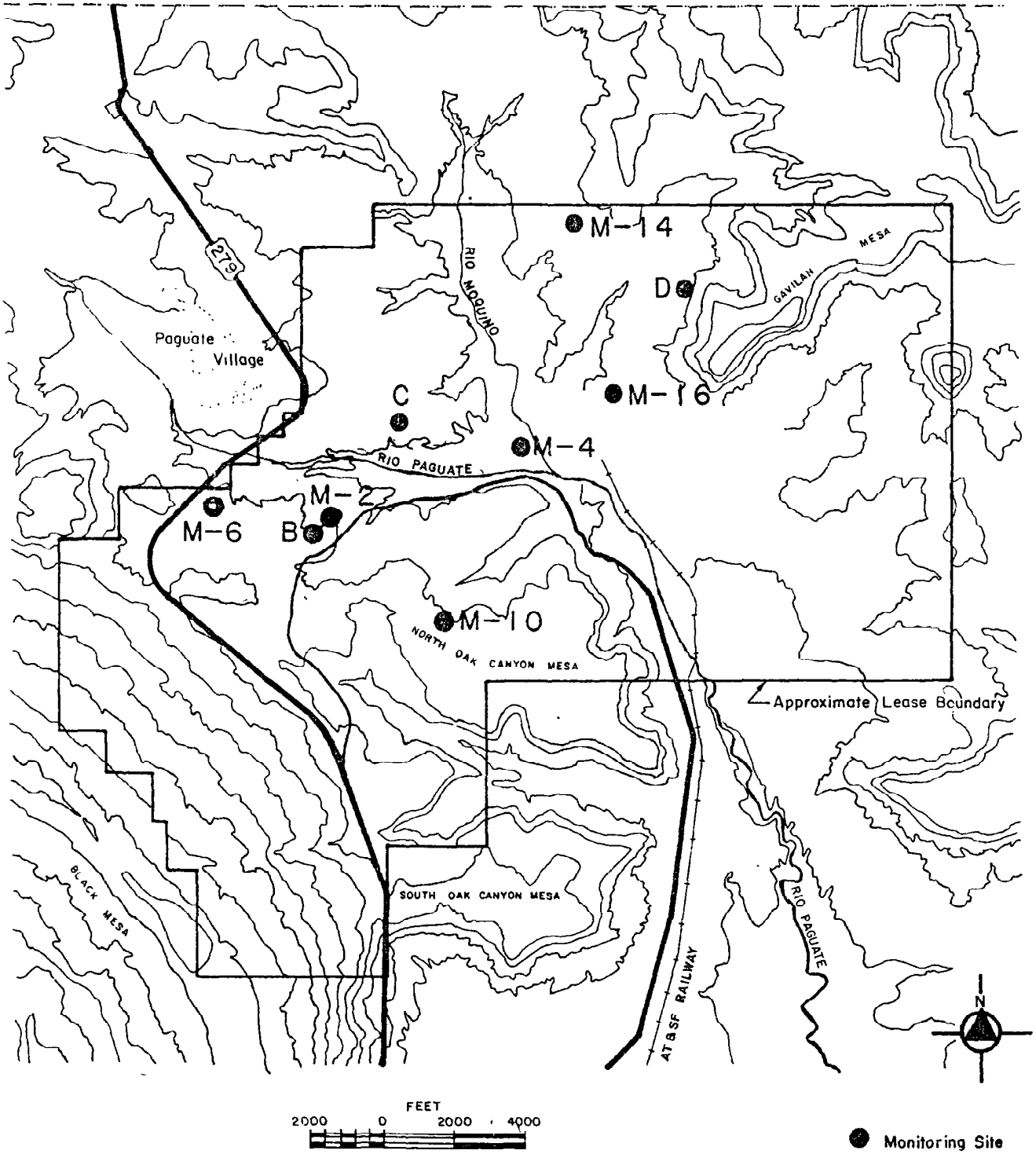
LOCATION OF
SURFACE WATER MONITORING STATIONS

ANACONDA MINERALS COMPANY
NEW MEXICO OPERATIONS

Third Quarter, 1985

Description	Date	Water Level	Field pH	Field Temp. °C	Field Elect. Cond.	TDS	S04	U-Nat mg/l	Ra-226 pCi/L	Lab pH	Lab EC	
M-2	7-8-85	5970.55	8.26	16.5	1600	958	468	.0016	0.19 ± .23	8.20	1980	
M-4	7-8-85	5896.14	7.96	16.0	1150	712	289	.0010	0.68 ± .24	7.95	1050	
M-6	7-8-85	5986.99	8.44	17.0	1550	922	370	.0022	0.33 ± .20	8.11	1500	
M-10	7-8-85	5858.78	7.77	16.5	2000	1220	727	.0718	5.58 ± 1.5	7.89	1950	
M-14	7-8-85	5939.02	8.85	17.0	645	417	33	.0004	0.31 ± .17	8.46	690	
M-16	7-8-85	5907.91	7.61	18.0	915	564	157	.0445	0.50 ± .21	7.93	932	
"B"	7-8-85	5975.95	6.16	18.5	7850	7550	4600	.0100	1.27 ± .64	6.59	7920	
"C"	7-8-85	5929.72	6.76	15.0	3800	4260	2540	1.024	3.09 ± .90	7.19	3840	
"D"	7-8-85	5845.69	8.87	15.0	5800	4250	2540	.0829	1.10 ± .29	8.84	6060	

LOCATION OF GROUND WATER MONITORING STATIONS



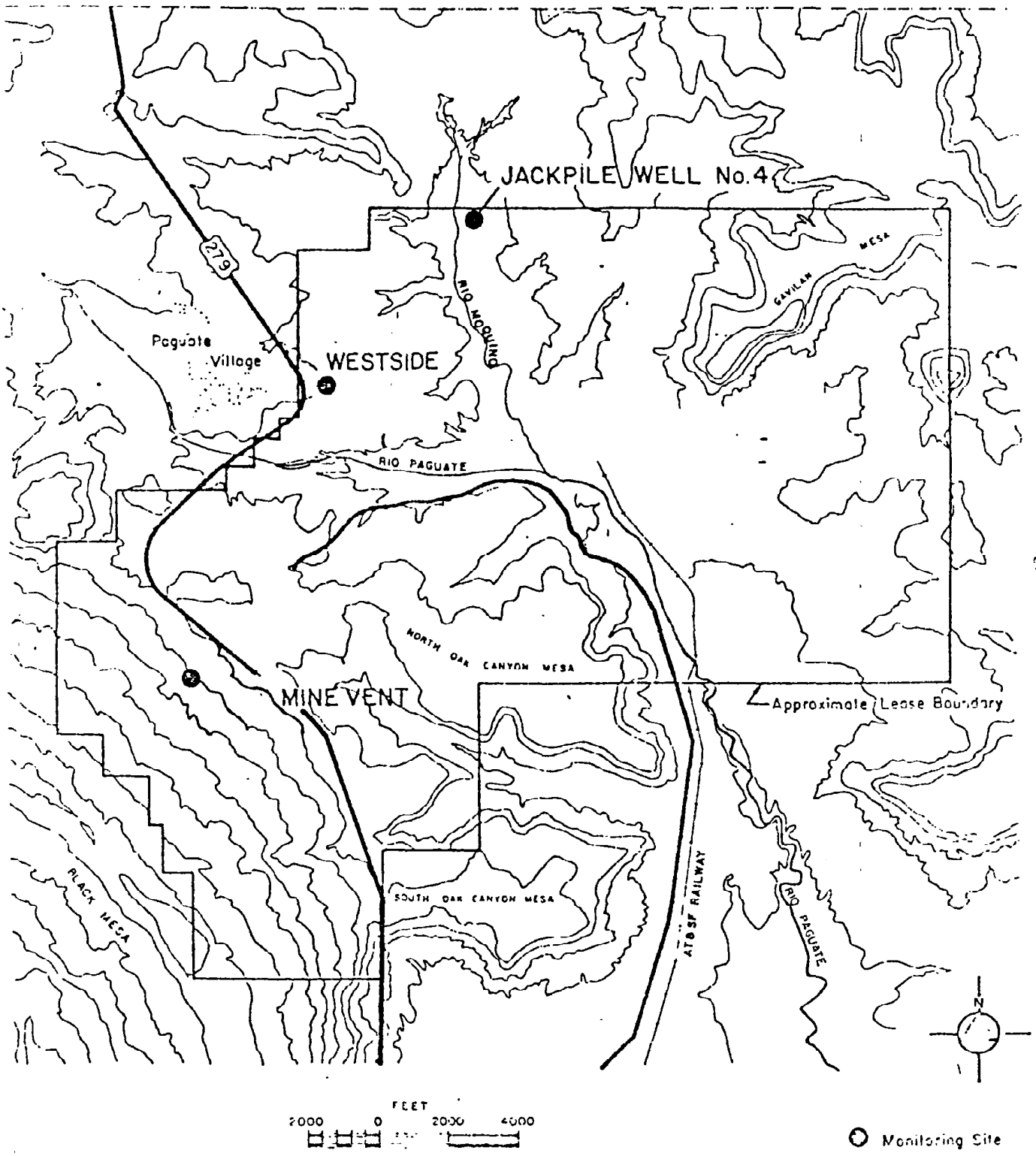
JACKPILE - AIR SAMPLING

THIRD QUARTER, 1985

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	07/85	31.78	0.44	.510 ± .179	1.297 ± .360	37.72 ± 1.99
2. West Gate	07/85	33.59	0.59	.469 ± .210	0.740 ± .330	30.09 ± 1.40
3. Well #4	07/85	33.20	0.44	0.247 ± .130	0.960 ± .330	30.60 ± 1.30

JACKPILE-AMBIENT RADON CONCENTRATION

THIRD QUARTER, 1985

LOCATION	DATE	Rn-222 pCi/L
1. P-10 Area	7/85	0.225
	8/85	0.49
	9/85	1.57
2. Westgate	7/85	<0.20
	8/85	0.42
	9/85	0.20
3. Well #4	7/85	0.78
	8/85	1.02
	9/85	1.07

LOCATION OF
AIR QUALITY MONITORING STATIONS