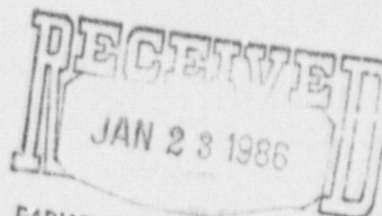


ANACONDA Minerals Company
New Mexico Operations
P.O. Box 638
Grants, New Mexico 87020
Telephone 505 876 2211



January 20, 1986

Ms. Denise Fort, Director
Environmental Improvement Division
P. O. Box 968
Santa Fe, New Mexico 87503



RE: SEMI-ANNUAL REPORT, LAST HALF OF 1985

Dear Ms. Fort:

The Semi-Annual Report, Second Half (July-December) 1985, for Anaconda Minerals Company is attached as required by our amended license (SUA-647, DP-21 and DP-255). The report enclosures are as follow:

1. Average Airborne Concentration of Uranium-Natural, Thorium-230, Radium-226, Lead-210 and Radon-222, as collected from the permanent air sampling stations;
2. Third and Fourth Quarter Chemical and Radiological Analysis of Water Sampled in Anaconda's Monitoring Network;
3. Monthly Chemical and Radiological Analysis of Decant Solution in the Evaporation Ponds;
4. Monthly Chemical and Radiological Analysis of Seepage Detection Wells Having Water in Them, including quarterly sample results of H(C);
5. Monthly Water Levels for Tailings Pond Monitor Wells and Map Showing Their Location; and,
6. Monthly Fluid Production of Tailings Pond Wells and a Map of Their Location.

If you have any questions regarding this data being submitted, please contact me or Carl Woolfolk.

Sincerely,

Natver Patel

mls

cc: Ken Hargis, Radiation Bureau Chief
Maxine Goad, WP CB Groundwater Section
Bobby Lopez, Milan Office, EID
MAS, CDW, File

9712150057 860120
PDR ADOCK 040C8902
C PDR

ANACONDA Minerals Company is a Division of AtlanticRichfield Company

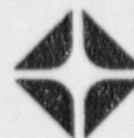
AMCO-6187-A (8-83)

AVERAGE AIRBORNE
CONCENTRATION OF U-NATURAL, THORIUM-230, RADIUM-226, LEAD-210 OR RADON-222
(COLLECTED AT THE PERMANENT AIR SAMPLING STATIONS)
(SECOND HALF 1985)

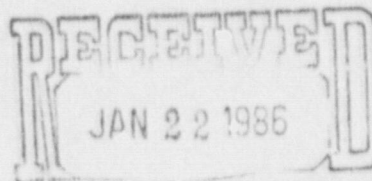
<u>Location</u>	<u>U-Nat</u> <u>(uCi/ml x 10⁻¹⁵)</u>	<u>Th-230</u> <u>(uCi/ml x 10⁻¹⁵)</u>	<u>Ra-226</u> <u>(uCi/ml x 10⁻¹⁵)</u>	<u>Pb-210</u> <u>(uCi/ml x 10⁻¹⁵)</u>	<u>Ra-222</u> <u>(pCi/l)</u>
Weather Station	0.76	3.67 ± .70	3.59 ± .90	35.08 ± 1.71	0.76
North Perimeter	0.45	1.40 ± .17	0.47 ± .17	28.61 ± 1.41	0.34
Community Site	0.1	1.27 ± .36	0.32 ± .12	29.95 ± 1.56	0.76

ANACONDA Minerals Company
New Mexico Operations
P.O. Box 638
Grants, New Mexico 87020
Telephone 505 876 2211

John P.



January 20, 1986



Ms. Denise Fort, Director
Environmental Improvement Division
P. O. Box 968
Santa Fe, New Mexico 87503

RADIATION PROTECTION BUREAU

RE: SEMI-ANNUAL REPORT, LAST HALF OF 1985

Dear Ms. Fort:

The Semi-Annual Report, Second Half (July-December) 1985, for Anaconda Minerals Company is attached as required by our amended license (SUA-647, DP-21 and DP-255). The report enclosures are as follow:

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4. Monthly Chemical and Radiological Analysis of Seepage Detection Wells Having Water in Them, including quarterly sample results of H(C);
5. Monthly Water Levels for Tailings Pond Monitor Wells and Map Showing Their Location; and,
6. Monthly Fluid Production of Tailings Pond Wells and a Map of Their Location.

If you have any questions regarding this data being submitted, please contact me or Carl Woolfolk.

Sincerely,

Natver Patel

Natver Patel

mls

cc: ✓ Ken Hargis, Radiation Bureau Chief
Maxine Goad, WP CB Groundwater Section
Bobby Lopez, Milan Office, EID
MAS, CDW, File

AVERAGE AIRBORNE
CONCENTRATION OF U-NATURAL, THORIUM-230, RADIUM-226, LEAD-210 OR RADON-222
(COLLECTED AT THE PERMANENT AIR SAMPLING STATIONS)
(SECOND HALF 1985)

<u>Location</u>	<u>U-Nat</u> <u>(uCi/ml x 10⁻¹⁵)</u>	<u>Th-230</u> <u>(uCi/ml x 10⁻¹⁵)</u>	<u>Ra-226</u> <u>(uCi/ml x 10⁻¹⁵)</u>	<u>Pb-210</u> <u>(uCi/ml x 10⁻¹⁵)</u>	<u>Ra-222</u> <u>(pCi/l)</u>
Weather Station	0.76	3.67 ± .70	3.59 ± .90	35.08 ± 1.71	0.76
North Perimeter	0.45	1.40 ± .17	0.47 ± .17	28.61 ± 1.41	0.34
Community Site	0.1	1.27 ± .36	0.32 ± .12	29.95 ± 1.56	0.76

3rd QUARTER 1985

[illegible]

SEMI ANNUAL (2nd Half of 1985)

DESCRIPTION	Date	Water Level feet	pH	Elect. Cond.	Temp. °C	SO ₄ ppm	Cl ppm	NO ₃ ppm	TDS ppm	Ra-226 pCi/L	Gross Alpha pCi/L	Gross Beta pCi/L						
L(SG)	10-14-85	6947.45	6.86	2650	17.5	573	215	<1.0	1550	2.32±.86	6±5	23±22						
C(M)	10-14-85	6514.21	6.80	1250	14.5	316	62	15	840	0.34±.18	91±16	72±38						
M(SG)	10-14-85	6485.28	7.00	1800	16.5	466	96	4	1260	0.53±.29	10±8	14±16						
North Well	10-14-85	6482.58	7.02	2200	16.5	573	179	1.0	1310	0.37±.24	11±8	10±12						
T(M)	10-14-85	6494.85	7.04	1500	14.5	339	72	23	1080	0.23±.16	172±24	84±48						
Monitor Well	10-14-85	6476.54	6.81	3200	16.5	911	319	2	2460	2.96±1.02	195±38	148±94						
Obs-3	10-14-85	6479.89	6.84	5420	14.5	1700	836	22	4090	0.64±.38	564±60	360±102						
K(M)	10-14-85	6547.04	6.95	8200	14.0	2320	1770	48	6260	0.54±.31	60±42	44±30						
B(M)	10-14-85	6522.39	6.41	15000	14.0	3890	3060	48	10850	0.45±.31	1448±136	1356±216						
S(SG)	10-14-85	6486.31	6.69	5020	14.5	1660	672	24	4000	0.49±.30	1238±126	819±208						
E(M)	10-21-85	6548.19	7.41	1200	14.0	328	55	9	784	0.20	23±6	13±13						
F(M)	10-21-85	6495.74	7.42	780	14.0	188	30	11	564	0.21±.16	7±5	<10						
ANA #4	10-21-85	6475.46	7.25	1020	14.0	230	32	15	680	0.21±.15	7±5	<10						
ANA #5	10-21-85	6477.67	6.94	2000	14.0	460	169	24	1340	0.95±.37	79±15	59±24						
I(SG)	10-21-85	6471.52	6.73	3750	15.5	1050	450	21	2750	1.03±.34	254±41	172±96						
W(SG)	10-21-85	6473.60	6.99	3500	15.5	992	407	79	2340	0.84±.30	61±23	39±19						
U(M)	10-21-85	6488.25	7.23	3150	14.5	800	365	45	2162	0.38±.20	314±45	246±97						
X(M)	10-21-85	6481.61	7.20	4400	14.5	1209	674	114	3370	0.40±.18	208±38	177±94						

SPMI-ANNUAL (SECOND HALF 1985)

[illegible]

Anaconda Minerals Company
New Mexico Operations

QUARTERLY

DESCRIPTION	DATE	WATER LEVEL	pH	ELECT. COND.	HCO ₃ ppm	CO ₃ ppm	Cl ppm	SO ₄ ppm	Na ppm	K ppm	Ca ppm	Mg ppm	Mn ppm	NO ₃ ppm	SiO ₂ ppm	TDS ppm	U-Nat mg/L	Ra-226 pCi/L	Th-230 pCi/L	Pb-210 pCi/L	Ra-228 pCi/L
Evap Pond IB	7-1-85		1.10	330000	-	-	10500	108000	6900	552	-	3670	4300	74	1439	197500	18.75	155+74			
Evap Pond IIIA	7-1-85		0.88	420000	-	-	13200	146000	9100	990	1390	4250	5800	84	2719	296900	123.9	272+98			
Evap Pond IIIB	7-1-85		1.02	340000	-	-	9500	110000	6700	655	1569	2800	4400	30	1979	210750	126.60	220+76			
TP Mixed Liquor	7-1-85		2.32	540000	-	-	2250	2300	1600	44	400	790	1100	22	140	31900	103.18	91+74			
Evap Pond IA	10-1-85		0.59	335000	0	0	11000	135000	7500	550	1050	3300	4400	79	1278	219000	13.10	144+16			
Evap Pond IB	10-2-85		0.70	318000	-	-	9250	107000	6100	440	1000	2600	3200	79	1204	174200	9.66	103+17			
Evap Pond IIIA	10-2-85		0.73	305000	-	-	8500	110000	5500	470	950	2300	2400	53	731	163350	21.06	82+13			
Evap Pond IIIB	10-2-85		0.46	455000	-	-	14160	185000	9500	820	1300	4400	5300	79	1233	288100	128.10	171+23			
DESCRIPTION	DATE	As ppm	Ba ppm	Cd ppm	Cr ppm	F ppm	Pb ppm	Hg ppm	Se ppm	Ag ppm	Cu ppm	Fe ppm	Zn ppm	Al ppm	B ppm	Co ppm	Mo ppm	Ni ppm	V ppm	PO ₄ ppm	
Evap Pond IB	7-1-85	2.5	<1.0	0.63	3.5	81	1.9	<.002	0.75	<.05	5.0	5480	76	6400	1.8	6.6	3.7	9.1	467	260	
Evap Pond IIIA	7-1-85	2.8	<1.0	0.59	3.8	115	2.0	<.002	0.88	<.05	5.35	9800	113	7500	2.5	6.9	4.4	7.4	680	330	
Evap Pond IIIB	7-1-85	2.1	<1.0	0.67	3.5	95	2.0	<.002	0.73	<.05	5.05	5480	86	5700	1.7	6.4	3.4	7.8	553	230	
T.P. Mixed Liquor	7-1-85	0.4	<1.0	0.34	0.80	50	0.60	<.002	.07	<.05	1.65	1220	29	2100	0.7	2.8	0.40	5.3	174	45	
Evap Pond IA	10-2-85	2.0	<1.0	0.39	3.3	84	1.9	<.002	0.76	<.05	6.04	7320	76	6500	2.6	6.5	4.4	3.6	383	285	
Evap Pond IB	10-2-85	1.6	<1.0	0.27	2.9	76	2.1	<.005	0.40	<.05	5.39	6040	61	5000	2.2	5.9	3.9	2.8	318	280	
Evap Pond IIIA	10-2-85	1.4	<1.0	0.30	2.6	68	1.90	<.002	0.49	<.05	4.93	5550	56	4900	1.7	5.3	4.2	2.8	273	355	
Evap Pond IIIB	10-2-85	2.5	<1.0	0.30	3.2	97	2.0	<.002	0.71	<.05	6.02	9850	100	7800	3.6	6.2	6.5	3.3	505	525	

FOR THE MONTH OF _____

DESCRIPTION	Date	pH	E.C. uOhms/cm	HCO ₃ mg/l	CO ₃ mg/l	Cl mg/l	SO ₄ mg/l	Na mg/l	K mg/l	Ca mg/l	Mg mg/l	Mn mg/l	NO ₃ mg/l	SiO ₂ mg/l	TDS mg/l	U-Nat mg/l	Ra-226 pCi/l
Evap Pond IB	8-1-85	0.88	261000	nil	nil	8700	100000	6200	460	720	2280	3500	53	1314	173750	13.6	166+54
" " IIIA	"	0.78	398000	nil	nil	11200	112000	8100	960	955	2730	4200	62	1041	293575	123.44	237+58
" " IIIB	"	0.68	379000	nil	nil	13000	134000	9200	950	1138	3240	5500	79	2040	272325	141.30	251+41
T.P.Mixed Liquor	"	2.29	52000	nil	nil	2500	24000	1800	30	658	530	1200	26	139	41375	115.89	103+16
Evap Pond IA	9-3-85	0.80	202000	nil	nil	6600	80000	4800	340	650	1830	3000	31	738	129400	5.27	130+21
" " IB	"	0.73	280000	nil	nil	8100	90000	6300	365	773	2210	3600	35	1200	167150	12.28	142+25
" " IIIA	"	0.77	300000	nil	nil	8000	98000	6100	434	914	2120	3400	40	760	208950	21.55	82+13
" " IIIB	"	0.77	402000	nil	nil	12200	156000	11000	969	1120	3500	5600	48	1416	267250	126.18	171+23
Evap Pond IA	11-01-85	0.75	335000	nil	nil	1200	124000	7700	640	930	4400	5600	79	1290	218000	33.97	171+17
" " IB	"	0.92	295000	nil	nil	10500	100000	6100	490	880	3820	4200	66	1198	177000	14.47	148+19
" " IIIA	"	0.97	300000	nil	nil	7800	82000	5500	470	686	2880	3200	62	740	144000	44.32	141+16
" " IIIB	"	0.66	415000	nil	nil	14100	150000	10000	500	762	6080	6600	70	1150	289000	133.76	215+35
Evap Pond IA	12-02-85	0.82	380000	nil	nil	13700	130000	9400	530	625	5000	5500	75	1320	249000	38.46	138+18
" " IB	"	0.95	262000	nil	nil	10630	113000	6600	550	545	4300	3900	75	1213	196000	17.01	133+16
" " IIIA	"	0.93	292000	nil	nil	8850	100000	6000	570	560	3700	3100	79	753	173000	50.56	165+14
" " IIIB	"	0.68	518000	nil	nil	15876	150000	11750	530	545	7000	6300	106	1015	295000	133.93	154+25

ANACONDA MINERALS COMPANY
NEW MEXICO OPERATION

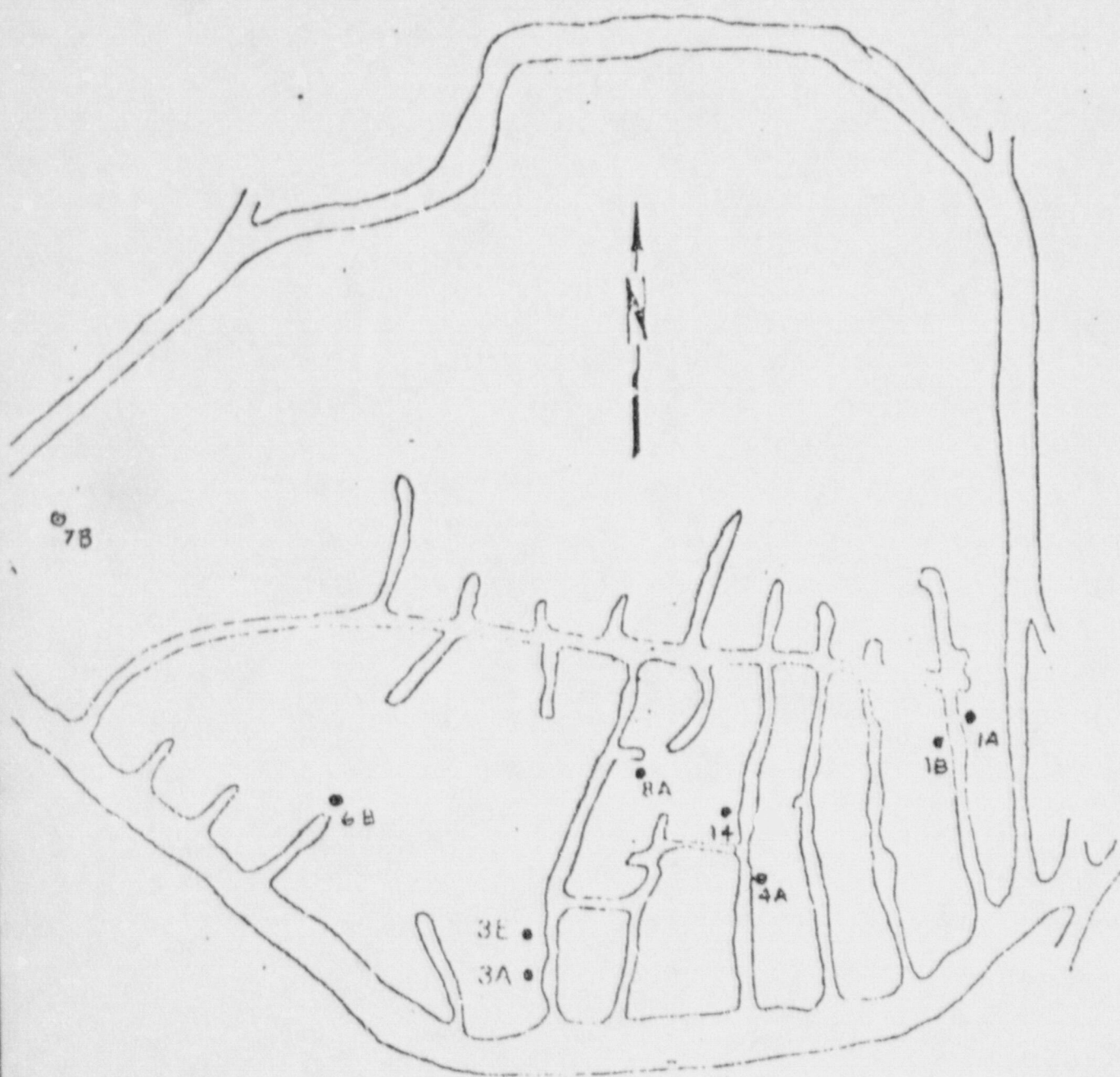
DESCRIPTION	Date	Water Level Feet	pH	Elect. Cond.	Temp. °C	SO ₄ ppm	Cl ppm	NO ₃ ppm	TDS ppm	Ra-226 pCi/L	Gross Alpha pCi/L	Gross Beta pCi/L
SDS #5	7-2-85	6581.88	7.95	1900	14.0	450	50	2	1090	< .20	7+4	5+17
SDS #7	7-2-85	6582.23	6.78	16000	14.0	1950	3920	50	11120	.83+.77	60+42	53+174
SDS #15	7-2-85	6551.33	7.52	1100	16.0	240	52	15	616	.23+.17	12+6	6+18
SDS #19	7-2-85	6545.47	8.13	1700	15.0	400	91	43	1050	.17+.16	7+4	9+18
H(C)	7-2-85	6520.78	9.33	1400	15.0	405	81	< 1.0	760	.16+.13	2+4	8+17
SDS #5	8-5-85	6581.81	8.19	1900	14.0	403	59	4	1080	<.20	9+4	6+18
SDS #7	8-5-85	6582.29	6.80	15500	13.5	1895	4000	50	12632	1.00+.68	52+21	24+90
SDS #15	8-5-85	6551.28	7.90	1050	15.5	228	52	18	654	0.48+.21	4+4	3+17
SDS #19	8-5-85	6545.78	8.06	1700	14.0	403	95	37	1124	<.20	7+4	8+18
SDS #5	9-3-85	6581.93	8.16	1800	14.0	410	49	2	1200	<.20	10+4	7+15
SDS #7	9-3-85	6582.33	6.76	15500	14.0	1900	3900	37	10900	0.59+.42	51+38	82+89
SDS #15	9-3-85	6551.27	7.92	1000	16.0	237	50	12	612	0.36+.17	10+6	8+9
SDS #19	9-3-85	6545.77	8.15	1620	15.0	375	88	48	1020	<.20	8+4	< 5
SDS #5	10-2-85	6582.05	8.02	1900	13.5	392	50	4	1202	0.20+.16	10+5	8+12
SDS #7	10-2-85	6582.31	6.72	15800	13.0	1820	3940	55	10500	0.74+.45	99+46	58+51
SDS #15	10-2-85	6551.27	7.97	1050	15.0	211	51	18	654	0.34+.18	11+5	4+10
SDS #19	10-2-85	6545.72	7.92	1700	14.0	386	93	49	1090	0.46+.21	12+5	7+12
H(c)	10-2-85	6521.26	9.79	1980	14.5	598	105	< 1.0	1072	0.43+.20	5+4	5+11

ANACONDA MINERALS COMPANY
NEW MEXICO OPERATIONS

[illegible]

ANACONDA MINERALS COMPANY
NEW MEXICO OPERATIONS
STATIC LEVEL MEASUREMENTS

<u>WELL</u>	<u>CASING DEPTH (FT)</u>	<u>07/85</u>	<u>08/85</u>
TP-1A	52.00	39.44	39.50
TP-1B	52.00	38.73	39.06
TP-3E	100.67	91.53	91.88
TP-4A	84.00	72.10	71.70
TP-6B	54.00	50.30	49.95
TP-7A	33.50	29.31	29.39
TP-8A	74.50	57.36	56.69
TP-14	80.00	68.03	63.89
TP-36	61.63	43.05	43.01



WELL STATUS

● ACTIVE

○ INACTIVE

TAILINGS POND - WELL LOCATIONS

ANACONDA MINERALS COMPANY
NEW MEXICO OPERATIONS

(AVERAGE PUMPING RATES)
TAILING POND WELLS

Well No.	Jul. 85 gpm	Aug. 85* gpm
1	0	0
4	0	0
5	0	0
9	0	0
10	0.60	0
11	0.50	0.40
12	0.40	0
13	0.40	0
15	0.20	0
16	0.20	0
17	0.70	0
19	0.30	0
20	0	0
21	0.30	0
22	0.50	0
23	0.20	0.20
24	0.70	0
25	0.40	0
26	0.40	0
28	0.20	0
29	0.20	0.20
30	0.35	0.20
31	1.34	1.00
33	0.70	0.70
34	0	0
35	0.20	0
38	0.60	0
39	0.51	0
40	0.30	0.30
41	0.50	0
42	0.50	0.50
43	0.90	0
44	1.05	1.03
46	1.10	0
47	0.90	0
49	1.00	0
50	2.00	1.20
51	0.40	0.40
52	0.20	0
53	0.40	0
54	0.50	0
55	0.50	0
56	0.50	0

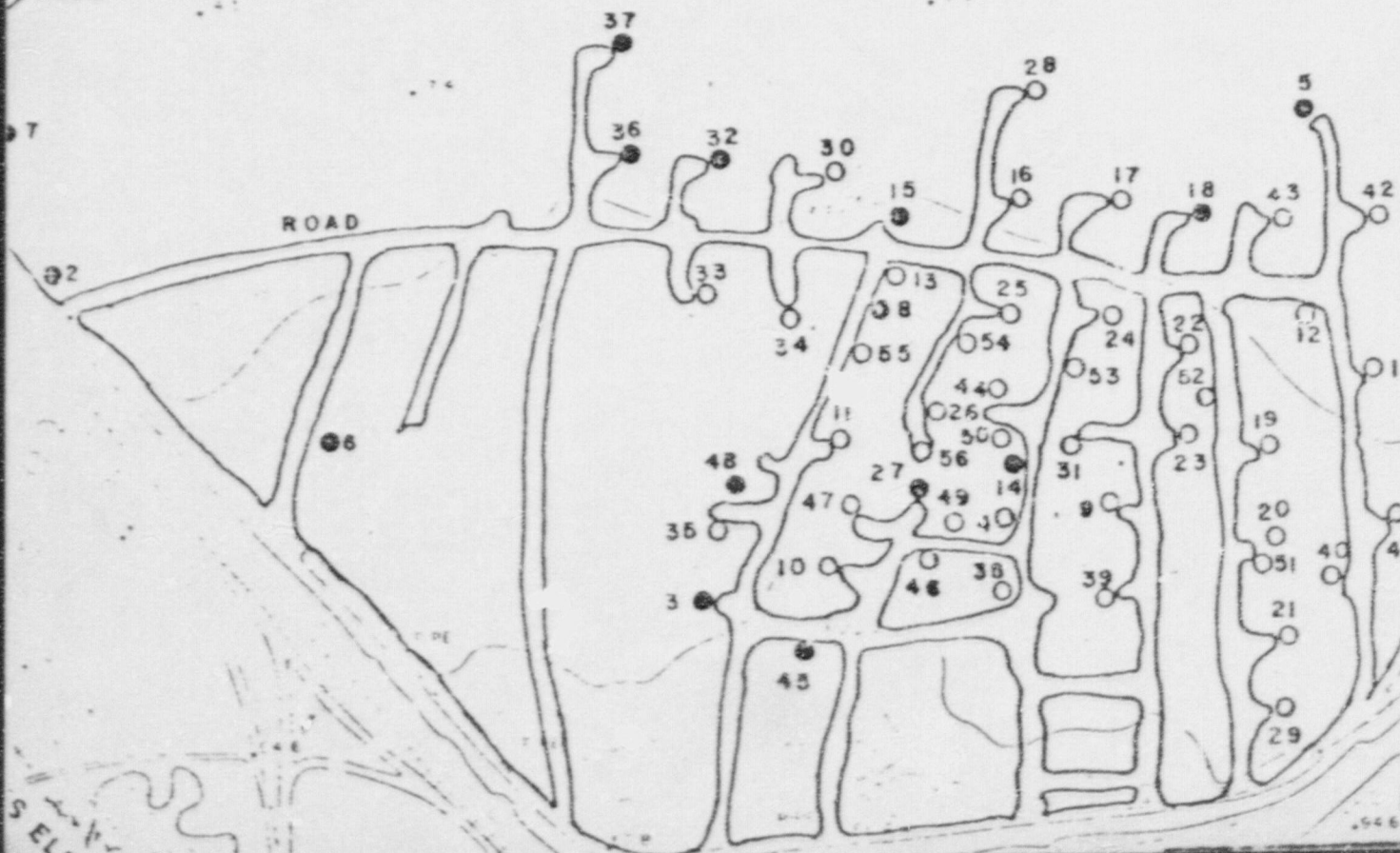
* All pumps were down from 8th of August 1985

TAILINGS POND - Well Locations

- - Production Wells
- - Non-productive Wells

ROAD

EL PASO NATURAL GAS UNDERGROUND GAS LI



3rd QUARTER 1985

[illegible]

ANACONDA MINERALS COMPANY
NEW MEXICO OPERATIONS

SEMI ANNUAL (2nd Half of 1985)

DESCRIPTION	Date	Water Level feet	pH	Elect. Cond.	Temp. °C	SO ₄ ppm	Cl ppm	NO ₃ ppm	TDS ppm	Ra-226 pCi/L	Gross Alpha pCi/L	Gross Beta pCi/L					
L(SG)	10-14-85	6947.45	6.86	2650	17.5	573	215	<1.0	1550	2.32±.86	6±5	23±22					
C(M)	10-14-85	6544.21	6.80	1250	14.5	316	62	15	840	0.34±.18	91±16	72±38					
H(SG)	10-14-85	6485.28	7.00	1800	16.5	466	96	4	1260	0.53±.29	19±8	14±16					
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Monitor Well	10-14-85	6476.54	6.81	3200	16.5	911	319	2	2460	2.96±1.02	195±38	148±94					
Obs-3	10-14-85	6479.89	6.84	5420	14.5	1700	836	22	4090	0.64±.38	564±60	360±102					
K(M)	10-14-85	6547.04	6.95	8200	14.0	2320	1770	48	6260	0.54±.31	60±42	44±30					
B(M)	10-14-85	6522.39	6.41	15000	14.0	3890	3000	48	10850	0.45±.31	1448±136	1356±216					
S(SG)	10-14-85	6480.31	6.69	5020	14.5	1660	672	24	4000	0.49±.30	1238±126	819±208					
E(M)	10-21-85	6548.19	7.41	1200	14.0	328	55	9	784	0.20±.16	23±6	13±13					
F(M)	10-21-85	6495.74	7.42	780	14.0	188	30	11	564	0.21±.16	7±5	<10					
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U(M)	10-21-85	6488.25	7.23	3150	14.5	800	365	45	2162	0.38±.20	314±45	246±97					
X(M)	10-21-85	6481.61	7.20	4400	14.5	1209	674	114	3370	0.40±.18	208±38	177±94					

SPM1-ANNUAL, SECOND HALF 1985)

[illegible]

Anaconda Minerals Company New Mexico Operations

QUARTERLY

DESCRIPTION	DATE	WATER LEVEL	pH	ELECT. COND.	HCO ₃ ppm	CO ₃ ppm	Cl ppm	SO ₄ ppm	Na ppm	K ppm	Ca ppm	Mg ppm	Mn ppm	NO ₃ ppm	SiO ₂ ppm	TDS ppm	U-Nat mg/L	Ra-226 pCi/L	Th-230 pCi/L	Pb-210 pCi/L	Ra-226 pCi/L
Evap Pond IB	7-1-85		1.10	330000	-	-	10500	108000	6900	552	-	3670	4300	74	1439	197500	18.75	155+74			
Evap Pond IIIA	7-1-85		0.88	420000	-	-	13200	146000	9100	990	1390	4250	5800	84	2719	296900	123.97	272+98			
Evap Pond IIIB	7-1-85		1.02	340000	-	-	9500	110000	6700	655	1569	2800	4400	30	1979	210750	126.60	220+70			
T.P. Mixed Liquor	7-1-85		2.32	540000	-	-	2250	2300	1600	44	400	790	1100	22	140	31900	103.18	91+74			
Evap Pond IA	10-2-85		0.59	335000	0	0	11000	135000	7500	550	1050	3300	4400	79	1278	219000	13.10	144+16			
Evap Pond IB	10-2-85		0.70	318000	-	-	9250	107000	6100	440	1000	2600	3200	79	204	174200	9.66	103+17			
Evap Pond IIIA	10-2-85		0.73	305000	-	-	3500	110000	5500	470	950	2100	2400	53	731	163350	21.06	82+13			
Evap Pond IIIB	10-2-85		0.46	455000	-	-	14100	185000	9500	820	1300	4400	5300	79	1233	286100	128.10	171+23			
DESCRIPTION	DATE	As ppm	Be ppm	Cd ppm	Cr ppm	F ppm	Pb ppm	Hg ppm	Se ppm	Ag ppm	Cu ppm	Fe ppm	Zn ppm	Al ppm	B ppm	Co ppm	Mo ppm	Ni ppm	V ppm	PO ₄ ppm	
Evap Pond IB	7-1-85	2.5	<1.0	0.63	3.5	81	1.9	<.002	0.75	<.05	5.0	5480	74	6400	1.8	6.6	3.7	9.1	467	260	
Evap Pond IIIA	7-1-85	2.8	<1.0	0.59	3.8	115	2.0	<.002	0.88	<.05	5.35	9800	113	7500	2.5	6.9	4.4	7.4	680	330	
Evap Pond IIIB	7-1-85	2.1	<1.0	0.67	3.5	95	2.0	<.002	0.73	<.05	5.05	5480	86	5700	1.7	6.4	3.4	7.8	553	230	
T.P. Mixed Liquor	7-1-85	0.4	<1.0	0.34	0.80	50	0.60	<.002	.07	<.05	1.65	1220	29	2100	0.7	2.8	0.40	5.3	174	45	
Evap Pond IA	10-2-85	2.0	<1.0	0.39	3.3	84	1.9	<.002	0.76	<.05	6.04	7320	76	6500	2.6	6.5	4.4	3.6	383	285	
Evap Pond IB	10-2-85	1.6	<1.0	0.27	2.9	76	2.1	<.005	0.40	<.05	5.39	6040	61	5000	2.2	5.9	3.9	2.8	318	280	
Evap Pond IIIA	10-2-85	1.4	<1.0	0.30	2.6	68	1.90	<.002	0.49	<.05	4.93	5550	56	4900	1.7	5.3	4.2	2.8	273	355	
Evap Pond IIIB	10-2-85	2.5	<1.0	0.30	3.2	97	2.0	<.002	0.71	<.05	6.02	9850	100	7800	3.6	6.2	6.5	3.3	505	225	

ANACONDA MINERALS COMPANY
NEW MEXICO OPERATION

FOR THE MONTH OF

DESCRIPTION	Date	pH	E.C. uohms/cm	HCO ₃ mg/l	CO ₃ mg/l	Cl mg/l	SO ₄ mg/l	Na mg/l	K mg/l	Ca mg/l	Mg mg/l	Mn mg/l	NO ₃ mg/l	SiO ₂ mg/l	TDS mg/l	U-Nat mg/l	Ra-226 pCi/l
Evap Pond 1B	8-1-85	0.88	261000	n11	n11	8700	100000	6200	460	720	2280	3500	53	1314	173750	13.67	166+54
" " 111A	"	0.78	398000	n11	n11	11200	112000	8100	960	955	2730	4200	62	1041	293575	123.44	237+58
" " 111B	"	0.68	379000	n11	n11	13000	134000	9200	950	1138	3240	5500	79	2040	272375	141.30	251+41
T.P. Mixed L liquor	"	2.29	52000	n11	n11	2500	24000	1800	30	658	530	1200	26	139	41375	115.89	163+16
Evap Pond 1A	9-3-85	0.80	202000	n11	n11	6600	80000	4800	340	650	1830	3000	31	738	129400	5.27	130+21
" " 111	"	0.73	280000	n11	n11	8100	90000	6300	365	773	2210	3600	35	1200	167150	12.28	142+25
" " 111A	"	0.77	300000	n11	n11	8000	98000	6100	434	914	2120	3400	40	760	208950	21.55	82+13
" " 111E	"	0.77	402000	n11	n11	12200	156000	11000	969	1120	3500	5600	48	1416	267250	126.18	171+23
Evap Pond 1A	11-01-85	0.75	335000	n11	n11	1200	124000	7700	640	930	4400	5600	79	1290	218000	33.97	171+17
" " 111B	"	0.92	295000	n11	n11	10500	100000	6100	490	880	3820	4200	60	1198	177000	14.47	148+19
" " 111A	"	0.97	300000	n11	n11	7800	82000	5500	470	686	2880	3200	62	740	144000	44.32	141+16
" " 111B	"	0.66	415000	n11	n11	14100	150000	10000	500	762	6080	6600	70	1150	289000	1.3.76	215+35
Evap Pond 1A	12-02-85	0.82	380000	n11	n11	13700	130000	9400	530	625	5000	5500	75	1320	249000	38.46	138+18
" " 111B	"	0.95	262000	n11	n11	1063	113000	6600	550	545	4300	3900	75	1213	196000	17.01	133+16
" " 111A	"	0.93	292000	n11	n11	8850	170000	6000	570	560	3700	3100	79	753	173000	50.56	165+14
" " 111B	"	0.68	518000	n11	n11	15876	150000	11750	530	545	7100	6300	106	1015	293000	133.93	154+25

NACONDA MINERALS COMPANY
NEW MEXICO OPERATION

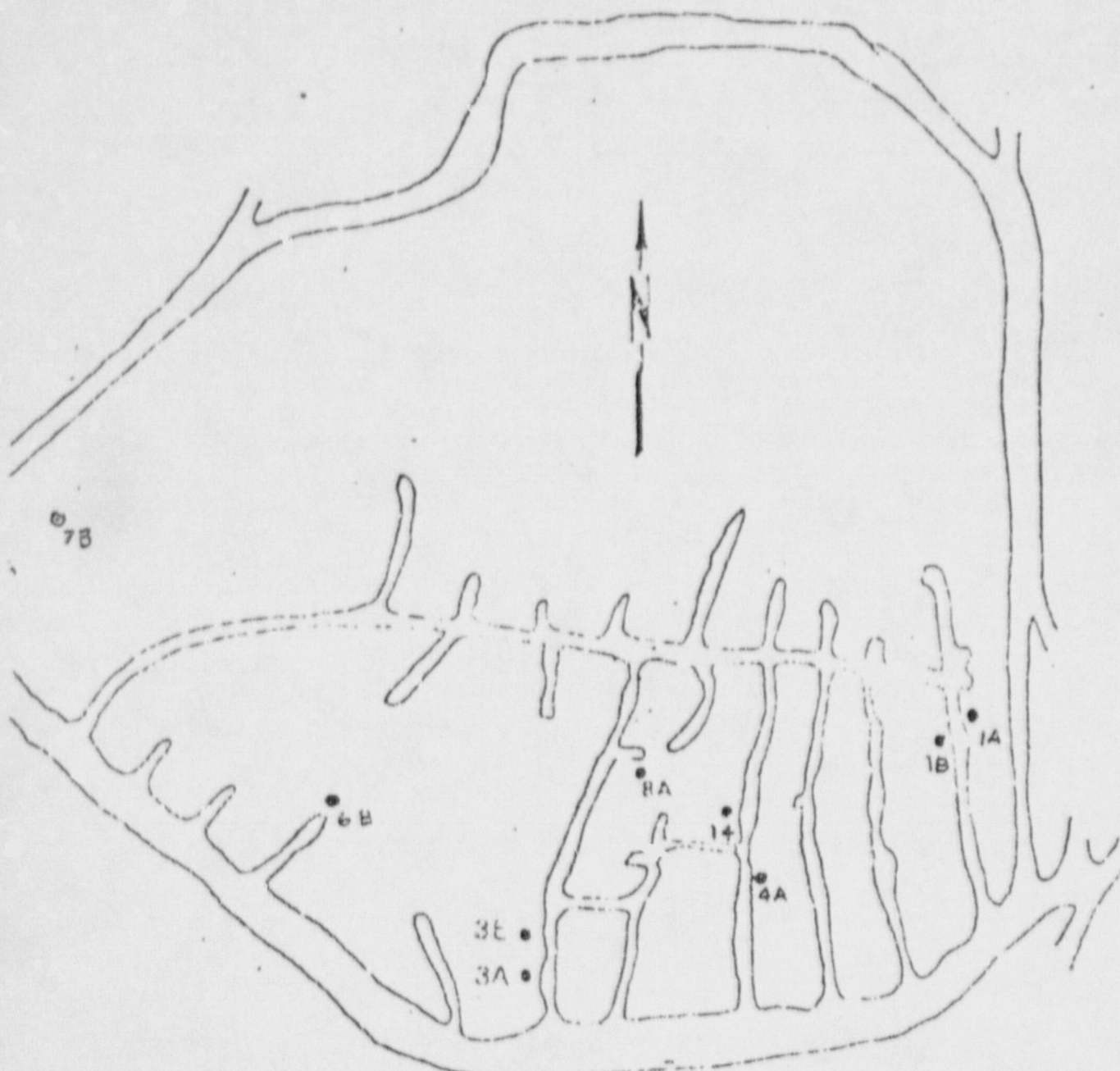
DESCRIPTION	Date	Water Level Feet	pH	Elect. Cond.	Temp. °C	SO ₄ ppm	Cl ppm	NO ₃ ppm	TDS ppm	Ra-226 pCi/L	Gross Alpha pCi/L	Gross Beta pCi/L
SDS #5	7-2-85	6581.88	7.95	1900	14.0	450	50	2	1090	< .20	7+4	5+17
SDS #7	7-2-85	6582.23	6.78	16600	14.0	1950	3920	50	11120	.83+.77	60+42	53+174
SDS #15	7-2-85	6551.33	7.52	1100	16.0	240	52	15	616	.23+.17	12+6	6+18
SDS #19	7-2-85	6545.47	8.13	1700	15.0	400	91	43	1050	.17+.16	7+4	9+18
H(C)	7-2-85	6520.78	9.33	1400	15.0	405	81	< 1.0	760	.16+.13	2+4	8+17
SDS #5	8-5-85	6581.81	8.19	1900	14.0	403	59	4	1080	<.20	9+4	6+18
SDS #7	8-5-85	6582.29	6.80	15500	13.5	1895	4000	50	12632	1.00+.68	52+21	24+90
SDS #15	8-5-85	6551.28	7.90	1050	15.5	228	52	18	654	0.48+.21	10+4	3+17
SDS #19	8-5-85	6545.78	8.06	1700	14.0	403	95	37	1124	<.20	7+4	8+18
SDS #5	9-3-85	6581.93	8.16	1800	14.0	410	49	2	1200	<.20	10+4	7+15
SDS #7	9-3-85	6582.33	6.76	15500	14.0	1900	3900	37	10900	0.59+.42	51+38	82+89
SDS #15	9-3-85	6551.27	7.92	1000	16.0	237	50	12	612	0.36+.17	10+6	8+9
SDS #19	9-3-85	6545.77	8.15	1620	15.0	375	88	48	1020	<.20	8+4	< 5
SDS #5	10-2-85	6582.05	8.02	1900	13.5	392	50	4	1202	0.20+.16	10+5	8+12
SDS #7	10-2-85	6582.31	6.72	15800	13.0	1820	3940	55	10500	0.74+.45	99+46	58+51
SDS #15	10-2-85	6551.27	7.97	1050	15.0	211	51	18	654	0.34+.18	11+5	4+10
SDS #19	10-2-85	6545.72	7.92	1700	14.0	386	93	49	1090	0.46+.23	12+5	7+12
H(c)	10-2-85	6521.26	9.79	1980	14.5	598	105	< 1.0	1072	0.43+.20	5+4	5+11

ANACONDA MINERALS COMPANY
NEW MEXICO OPERATIONS

[illegible]

ANACONDA MINERALS COMPANY
NEW MEXICO OPERATIONS
STATIC LEVEL MEASUREMENTS

<u>WELL</u>	<u>CASING DEPTH (FT)</u>	<u>07/85</u>	<u>08/85</u>
TP-1A	52.00	39.44	39.50
TP-1B	52.00	38.73	39.06
TP-3E	100.67	91.53	91.88
TP-4A	84.00	72.10	71.70
TP-6B	54.00	50.30	49.95
TP-7A	33.50	29.31	29.39
TP-8A	74.50	57.36	56.69
TP-14	80.00	68.03	63.89
TP-36	61.63	43.05	43.01



WELL STATUS

- ACTIVE
- INACTIVE

TAILINGS POND - WELL LOCATIONS

ANACONDA MINERALS COMPANY
NEW MEXICO OPERATIONS

(AVERAGE PUMPING RATES)
TAILING POND WELLS

Well No.	Jul. 85 gpm	Aug. 85* gpm
1	0	0
4	0	0
5	0	0
9	0	0
10	0.60	0
11	0.50	0.40
12	0.40	0
13	0.40	0
15	0.20	0
16	0.20	0
17	0.70	0
19	0.30	0
20	0	0
21	0.30	0
22	0.50	0
23	0.20	0.20
24	0.70	0
25	0.40	0
26	0.40	0
28	0.20	0
29	0.20	0.20
30	0.35	0.20
31	1.34	1.00
33	0.70	0.70
34	0	0
35	0.20	0
38	0.60	0
39	0.51	0
40	0.30	0.30
41	0.50	0
42	0.50	0.50
43	0.90	0
44	1.05	1.03
46	1.10	0
47	0.90	0
49	1.00	0
50	2.00	1.20
51	0.40	0.40
52	0.20	0
53	0.40	0
54	0.50	0
55	0.50	0
56	0.50	0

* All pumps were down from 8th of August 1985

TAILINGS POND - Well Locations

- - Production Wells
- - Non-productive Wells

