

RANCHERS EXPLORATION AND DEVELOPMENT CORPORATION

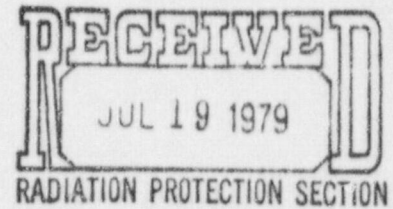
JOHNNY M MINE / P.O. BOX 707 / GRANTS, N.M. 87020 / TELEPHONE (505) 287-8886

7/12/79

To: G. Stewart

From: J. Swendseid

Re: Enclosed Air Sampling Data



Enclosed is all the air sampling data available to
at this time. There are further samples through June
30, 1979, which are not completed at this time.

As soon as further data is returned to us we will forward
the information to you.

Respectfully,

J. Swendseid

JS/glo

9808120243 790712
PDR ADOCK 04008714
C PDR

SAMPLE LOCATION

VH-9

Date

Radon-222 PCI/1

4/21/78

59 $\pm$ 1

6/7/78

200 $\pm$ 10

6/21/78

180 $\pm$ 10

6/26/78

150 $\pm$ 10

7/12/78

190 $\pm$ 10

8/16/78

64 $\pm$ 2

11/10/78

44 $\pm$ 1

11/12/78

50 $\pm$ 1

1/31/79

52 $\pm$ 1

2/21/79

81 $\pm$ 1

3/12/79

52 $\pm$ 1

4/09/79

19 $\pm$ 1

5/07/79

16 $\pm$ 1

6/4/79

52 $\pm$ 1

SAMPLE LOCATION

VH-10

Date

Radon-222 PCI/1

4/14/78

55+1

6/12/78

70+1

7/26/78

140+10

8/23/78

150+10

9/20/78

110+10

11/30/78

72+10

1/17/79

77+10

2/8/79

59+1

3/21/79

67+1

5/14/79

76+1

6/20/79

120+10

SAMPLE LOCATION

VH-11

DATE	W.L.	RADON222	Ra226	Th230	Pb210
		PCi/l	PCi/m ³	PCi/m ³	PCi/m ³
7/13/77	Nil	-	-	-	-
7/14/77	-	Nil	-	-	-
8/23/77	.03	-	-	-	-
8/30/77	-	Nil	-	-	-
9/16/77	.06	-	-	-	-
9/19/77	.01	-	-	-	-
9/26/77	.01	Nil	-	-	-
9/30/77	-	-	.13±.01	.09±.01	.25±.05
10/10/77	Nil	-	-	-	-
10/14/77	-	Nil	-	-	-
10/17/77	.01	-	-	-	-
10/24/77	Nil	Nil	.51±.02	.41±.01	.60±.08
11/11/77	.04	Nil	-	-	-
11/20/77	.01	-	.03±.01	.05±.02	.00±.02
12/7/77	-	-	.04±.00	.05±.03	.13±.04
12/20/77	-	Nil	-	-	-
12/22/77	Nil	-	-	-	-
1/6/78	-	-	.19±.02	.17±.03	2.61±.15
1/25/78	-	-	.02±.01	.02±.01	-

SAMPLE LOCATION

VH-11

RADON222

Ra226

Th230

Pb210

Date	W.L.	PCi/l	PCi/m ³	PCi/m ³	PCi/m ³
2/8/78	.01	Nil	.01±.01	.01±.01	.04±.02
3/9/78	Nil	-	.002±.001	.21±.04	.17±.02
5/4/78	.02	.76±.20	-	-	-
6/14/78	Nil	1.2±.20	-	-	-
7/18/78	Nil	-	1.1±.05	<.5±.1	<1±.5
8/2/78	Nil	3.7±.30	-	-	-
9/19/78	Nil	-	.16±.03	4.7±.8	2+1
9/27/78	Nil	1.1±.10	-	-	-
10/7/78	Nil	13±1.0	-	-	-
10/18/78	Nil	3.2±.50	-	-	-
10/23/78	Nil	100±10	-	-	-
10/25/78	Nil	5.9±.80	-	-	-
12/14/78	Nil	5.7±.60	-	-	-
1/24/79	Nil	2.9±.2	-	-	-
2/15/79	.04	*	.001±	Nil	.001±.003
3/8/79	.03	2.5±0.2			
3/20/79	.02		.05±.1	.254±.12	<1.0±5
3/27/79	Nil	0.81±0.03			
3/30/79	.02		.08±.10	.07±.10	<1±5

*sampler malfunctioned

SAMPLE LOCATIONVH-11

Date	W.L.	Radon222 PCi/l	Ra226 PCi/m ³	Th230 Pci/m ³	Pb210 PCi/m ³
4/24/79	Nil	-	.09±.02	.07±.01	.01±.1
4/30/79	Nil	1.4±0.1	.09±.02	.07±.01	.01±.1
5/21/79	Nil	2.1±0.1	.11±.02	.09±.04	< .02
5/29/79	Nil	2.5±0.1	-	-	-
6/11/79	Nil	0.48±0.03	Particulate Results not Available		

SAMPLE LOCATION
010/012 STOPE

Date	W.L.	Ra226 PCi/m ³	Th230 PCi/m ³	Pb210 PCi/m ³
3/7/99	.25	0.050 $\pm$.009	0.022 $\pm$.004	0.136 $\pm$.031

SAMPLE LOCATION

800#3 STOPE

Date	W.L.	Ra226 PCi/m ³	Th230 PCi/m ³	Pb210 PCi/m ³
5/1/79	.38	.11±.02	.09±.04	<.02

SAMPLE LOCATION

005 STOPE

<u>DATE</u>	<u>W.L.</u>	<u>Ra226</u>	<u>Th230</u>	<u>Pb210</u>
		<u>PCi/m³</u>	<u>PCi/m³</u>	<u>PCi/m³</u>
9/27/77	.62	-	-	-
9/30/77	-	.21 $\pm$.01	.07 $\pm$.01	1.0 $\pm$.07
10/13/77	.33	-	-	-
10/14/77	-	.22 $\pm$.01	.27 $\pm$.01	.04
10/25/77	.25	-	-	-

SAMPLE LOCATION

1400 #1

DATE	W.L.	Ra226	Th230	Pb210
		PCi/m ³	PCi/m ³	PCi/m ³
10/29/77	.39	.27±.02	.24±.01	.0±.02
11/2/77	.39	-	-	-
11/15/77	-	.18±.01	.13±.03	.44±.07
12/7/77	.08	.09±.01	.12±.05	.13±.04
2/8/78				2.24±.08
10/30/78		4.57±.37	1.1±.5	1±.5
2/9/79	.82	.001±	Nil	Nil

SAMPLE LOCATION

1400 #2

<u>DATE</u>	<u>W.L.</u>	<u>Ra226</u>	<u>Th230</u>	<u>Pb210</u>
		<u>PCi/m³</u>	<u>PCi/m³</u>	<u>PCi/m³</u>
2/8/78	.24	.16 $\pm$.01	.10 $\pm$.03	2.24 $\pm$.08
3/9/78	.31	.02 $\pm$.01	.25 $\pm$.03	.87 $\pm$.04
10/30/78	-	3.01 $\pm$.34	.05 $\pm$.01	1 $\pm$.5
6/19/79	.42	Particulate results not yet available		

SAMPLE LOCATION

008 STOPE

Date	W.L.	Ra226 PCi/m ³	Th230 PCi/m ³	Pb210 PCi/m ³
13/78	,40	3.01±.24	5.3±1	2±1

SAMPLE LOCATION

014 STOPE

Date	W.L.	Ra226 PCi/m ³	Th230 PCi/m ³	Pb210 PCi/m ³
20/78	none	120 _± .03	7.0 _± 1	10. _± 7

SAMPLE LOCATION

018 STOPE

Date	W.L.	Ra226 PCi/m ³	Th230 PCi/m ³	Pb210 PCi/m ³
3/22/79	.28	0.12 $\pm$.07	.098 $\pm$ 0.1	<1 $\pm$ 5
5/24/79	.26	1.46 $\pm$.29	1.1	0.25

SAMPLE LOCATION

1200 #1

DATE	W. L.	Ra226	Th230	Pb210
		PCi/m ³	PCi/m ³	PCi/m ³
1/6/78	.27	.19 $\pm$.02	.17 $\pm$.03	2.61 $\pm$.15
1/25/78	.4	.20 $\pm$.01	.10 $\pm$.02	-
3/29/79	.05	.13 $\pm$.10	.11 $\pm$.10	1 $\pm$ 5
6/6/79*	.40	Particulate Results not yet available		

*1200 and 1100 Stopes were filled from the same distribution point