

Mobil Oil Corporation

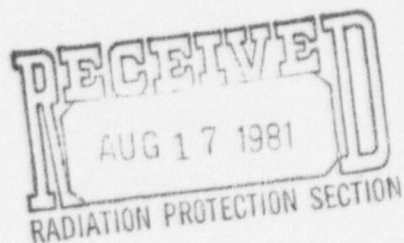
P.O. BOX 5044
DENVER, COLORADO 80217

URANIUM/MINERALS DIVISION

August 13, 1981

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Gerald W. Stewart
Environmental Program Manager
Uranium Licensing Section
Radiation Protection Bureau
Environmental Improvement Division
P. O. Box 968
Santa Fe, New Mexico 87503



CROWNPOINT IN SITU PILOT TEST
SECTION 9, T17N, R13W
RADON DATA

Dear Mr. Stewart:

Since September 1979, Mobil Oil Corporation, Uranium/Minerals Division has been taking continuous radon-222 measurements at the Crownpoint Project. These measurements have been taken on the SW/4 of Section 9, T17N, R13W in conjunction with the pilot uranium in situ test being performed in that same quarter section. The measurements have been taken using an Eberline RGM-1. Attached for your records are listings of the average daily and monthly radon concentrations measured by the RGM-1 at this location.

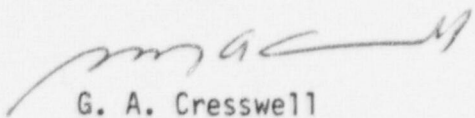
These data are for the period January 1, 1981 through March 31, 1981. As samples continue to be taken, additional data will be submitted as they become available. The raw data tapes and listings of hourly averages are kept on file at our office.

These data indicate slightly higher radon concentrations for this 1981 period as compared to the same period in 1980. The values are within an expected range when climatic conditions for the two periods are considered. The environmental scientist at the Milan EID office confirmed similar concurrent findings in the area.

If you have any questions concerning these data or would like to discuss them more fully, please contact me at (303) 572-2585.

Sincerely,

9807200319 810813
PDR ADOCK 04008911
C PDR


G. A. Cresswell
Manager - Hydrological &
Environmental Affairs

MLSkvitz:dp
Attachments
cc: R. D. Peirce
P.F. 1.A.1.3.5 (d)

9807200319 app

MOBIL OIL CORPORATION
SECTION 9 PILOT IN-SITU
URANIUM PRODUCTION LEACH
CONTINUOUS RADON DATA (PCI/1)

DAILY AVERAGES

DAY	MON.	YR	AVG. (ERR)	DAY	MON.	YR	AVG. (ERR)	DAY	MON.	YR	AVG. (ERR)
1	JAN.	81	0.6 (.5)	2	JAN.	81	0.6 (.3)	3	JAN.	81	0.6 (.4)
4	JAN.	81	0.6 (.3)	5	JAN.	81	0.5 (.3)	6	JAN.	81	0.6 (.4)
7	JAN.	81	0.8 (.5)	8	JAN.	81	0.8 (.5)	9	JAN.	81	0.7 (.5)
10	JAN.	81	0.8 (.4)	11	JAN.	81	0.6 (.4)	12	JAN.	81	0.6 (.4)
13	JAN.	81	0.8 (.5)	14	JAN.	81	0.6 (.3)	15	JAN.	81	0.7 (.5)
16	JAN.	81	0.7 (.4)	17	JAN.	81	0.6 (.3)	18	JAN.	81	0.7 (.5)
19	JAN.	81	0.6 (.3)	20	JAN.	81	0.5 (.3)	21	JAN.	81	0.6 (.4)
22	JAN.	81	0.6 (.4)	23	JAN.	81	0.6 (.4)	24	JAN.	81	0.4 (.3)
25	JAN.	81	0.5 (.4)	26	JAN.	81	0.5 (.3)	27	JAN.	81	0.4 (.5)
28	JAN.	81	0.4 (.3)	29	JAN.	81	0.3 (.3)	30	JAN.	81	0.4 (.4)
31	JAN.	81	**** (***)	1	FEB.	81	0.3 (.2)	2	FEB.	81	0.4 (.3)
3	FEB.	81	0.5 (.4)	4	FEB.	81	0.5 (.4)	5	FEB.	81	0.5 (.4)
6	FEB.	81	0.4 (.3)	7	FEB.	81	0.4 (.2)	8	FEB.	81	0.3 (.2)
9	FEB.	81	0.3 (.3)	10	FEB.	81	0.3 (.2)	11	FEB.	81	0.4 (.4)
12	FEB.	81	0.6 (.4)	13	FEB.	81	0.6 (.5)	14	FEB.	81	0.5 (.4)
15	FEB.	81	0.6 (.4)	16	FEB.	81	0.5 (.5)	17	FEB.	81	0.6 (.4)
18	FEB.	81	0.6 (.4)	19	FEB.	81	0.4 (.3)	20	FEB.	81	0.3 (.2)
21	FEB.	81	0.4 (.3)	22	FEB.	81	0.5 (.4)	23	FEB.	81	0.4 (.5)
24	FEB.	81	0.3 (.5)	25	FEB.	81	0.2 (.4)	26	FEB.	81	**** (***)
27	FEB.	81	0.4 (.4)	28	FEB.	81	0.6 (.4)	1	MAR.	81	0.4 (.3)
2	MAR.	81	0.4 (.4)	3	MAR.	81	0.3 (.3)	4	MAR.	81	0.2 (.1)
5	MAR.	81	0.3 (.1)	6	MAR.	81	0.3 (.2)	7	MAR.	81	0.3 (.2)

MOBIL OIL CORPORATION
SECTION 9 PILOT IN-SITU
URANIUM PRODUCTION LEACH
CONTINUOUS RADON DATA (PCI/1)

DAILY AVERAGES

DAY	MON.	YR	AVG. (ERR)	DAY	MON.	YR	AVG. (ERR)	DAY	MON.	YR	AVG. (ERR)
8	MAR.	81	0.4 (.3)	9	MAR.	81	0.6 (.3)	10	MAR.	81	0.4 (.2)
11	MAR.	81	0.4 (.4)	12	MAR.	81	**** (***)	13	MAR.	81	**** (***)
14	MAR.	81	**** (***)	15	MAR.	81	**** (***)	16	MAR.	81	**** (***)
17	MAR.	81	0.3 (.2)	18	MAR.	81	0.5 (.4)	19	MAR.	81	0.5 (.4)
20	MAR.	81	0.3 (.3)	21	MAR.	81	0.4 (.3)	22	MAR.	81	0.5 (.4)
23	MAR.	81	0.4 (.3)	24	MAR.	81	0.4 (.2)	25	MAR.	81	0.3 (.4)
26	MAR.	81	0.3 (.3)	27	MAR.	81	0.2 (.2)	28	MAR.	81	0.3 (.1)
29	MAR.	81	0.3 (.2)	30	MAR.	81	**** (***)	31	MAR.	81	0.4 (.4)

MOBIL OIL CORPORATION
SECTION 9 PILOT IN-SITU
URANIUM PRODUCTION LEACH
CONTINUOUS RADON DATA (FC1/1)

MONTHLY AVERAGES

MONTH YEAR	AVERAGE	ERROR	CAPTURE
JANUARY 1981	0.5	0.5	96.6%
FEBURARY 1981	0.4	0.4	94.3%
MARCH 1981	0.3	0.4	83.7%