

# CIMARRON CORPORATION

P.O. BOX 315 • CRESCENT, OK 73028

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December 16, 2003

Mr. Kenneth Kalman  
Low-Level Waste & Decommissioning Projects Branch  
Division of Waste Management  
Office of Nuclear Materials Safety & Safeguards  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Re: Docket No. 70-925; License No. SNM-928  
Monitor Well Abandonment

Dear Mr. Kalman:

As we have discussed in the past, Cimarron Corporation (Cimarron) desires to plug and abandon monitor wells that are no longer needed for groundwater monitoring. Two wells on site (Well 1303 and 1307) are not located near any former operations, and should be plugged and abandoned. The attached figure (from a 1975 map) shows the location of these two wells.

Cimarron has no record of the installation or sampling of Well 1303. It is at least partially filled with dirt, and it is not known what formation or formations are screened by this well. Because it is immediately north of Highway 33, it is far up gradient of the facility. Cimarron does not know which formations are screened. This well should be cleaned out, plugged, and abandoned.

Well 1307 was installed prior to 1970. It was sampled as an environmental monitoring well from 1971 until 1977. The well is approximately 125 feet deep, which indicates that it may screen Sandstones A and B. A spreadsheet showing the analytical data collected from this well is attached to this letter. This well is also immediately north of Highway 33, far up gradient of the facility. The data; not surprisingly, shows no evidence of impact from licensed material. This well should also be properly plugged and abandoned.

Cimarron requests NRC approval to abandon these wells. If you have questions or comments, please call me at 405-282-5680, ext. 120 (Cimarron) or 918-223-2522 (Cushing).

Sincerely,



Jeff Lux  
Manager, Planning and Regulatory Compliance

xc: D. Blair Spitzberg, NRC Region IV

NUMSS01

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**CIMARRON FACILITY**

**WELL 1307**

**ANALYTICAL RESULTS**

## CIMARRON FACILITY - WELL #1307 ANALYTICAL RESULTS

WELL #: 1307      Ground Elevation      1034.2      WELL DEPTH:      125.15

SAMPLE DATE	GROSS ALPHA pCi/L	GROSS BETA pCi/L	FLOURIDE mg/L	NITRATES mg/L	TOTAL U pCi/L	TOTAL RADIUM	TOTAL THORIUM
Mar-71	20.9	15.4	2.9	22.0	10.0		
Jun-71	1.4	3.1	0.3	0.8	4.0		
Sep-71	2.7	4.5	0.3	7.0	14.0		
Dec-71	2.3	<1.0	0.1	4.3	<3.40		
Mar-72	5.7	2.3	0.3	2.8	2.8		
Jun-72	6.4	8.2	0.3	3.2	13.2		
Sep-72	4.3	7.0	0.3	<1	<3.40		
Mar-73	<10.0	<18.0	0.3	16.0	<1.40		
Jun-73	0.4	1.3	0.3	0.1	2.6		
Sep-73	10.4	<10.0	0.5	16.0	8.0		
Dec-73	<7,200	<18.0	0.4	18.0	2.6		
Jun-74	10.8	35.0	0.4	21.0	2.0		
Sep-74	<7.2	<14.4	0.5	22.0	2.6		
Dec-74	8.6	<4.5	0.2	24.0	1.4		
Mar-75	9.5	26.6	0.2	35.0	1.4		
Jun-75	6.8	<17.	0.3	26.0	1.4		
Sep-75	<10.0	<20.0	0.4	270.0	2.6		
Dec-75	13.0	25.0	0.4	0.3	7.2		
Mar-76	522.0	<17.0	0.4	61.0	1.4		
Jun-76	<9.0	<16.0	0.4	13.0	2.0		
Sep-76	<8.1	<16.2	0.3	31.0	<1.4		
Dec-76	<8.6	<17.0	0.4	37.0	<1.40		
Jun-77	<10	<18	0.42	32			
Jun-78	<10	<18	2	15			
Jun-79	12	<18	0.26	104			
Jun-80	<10	1312	0.3	19			
Jun-81	<10	<20	0.34	9			
Jun-82	<10	<20	0.39	3			
Jun-83	<10	<20	0.5	10			
Jun-84	<10	<20	<1	2			
Jun-85	<10	<20	0.3	5			
Jun-86	15	<20	0.2	1.0			
Jun-87	<10	<20	0.2	2.8		0.07	
Jun-88	<10	<20	<1	<10		0.08	
Jun-89	<10	<20	<0.2	5.3		0.20	
Jun-90	<10	<20	0.5	11.0	1.82	0.20	0.07
May-97	9.3	7.0			1.40		
Jun-97	26.1	5.9	0.4	14.6	3.00		

ND - NOT DETECTABLE

N - No Sample Result available for this parameter.

< - Less Than Value

