

Umetco Minerals Corporation

INTERNAL
CORRESPONDENCE



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RETURN ORIGINAL TO PDR, HQ.

40-8681

To (Name)

Mr. W. W. Brice

Date

October 8, 1992

Division

Originating Dept

Frank L. Webber

Location

Area

Area

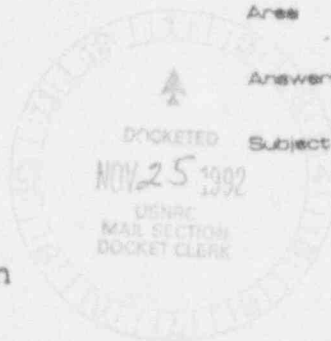
Answering Letter Date

Copy to

Subject

1992 Movement Monuments

J. S. Hamrick
G. G. Ray
S. L. Schierman
C. O. Sealy
R. A. Van Horn



Attached is the 1992 movement monument survey data that was completed in September and a procedure for conducting future movement monument surveys. I also tabulated the last 3 years movement data to aid movement comparisons.

The maximum movement detected during 1992 was 0.08 feet. Some of the points may have been disturbed by road maintenance and are noted on the summary. Based on the survey, the movement does not appear to be excessive. This letter should be appended to the 1992 annual inspection report and forwarded to the NRC.

If you have any questions, please call me.

Sincerely,

Frank L. Webber P.E.

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Mary C. Hood

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PDR ADOCK. 04008681
C PDR

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93-0088

WHITE MESA ILL MOVEMENT MONITOR SUMMARY

MM NO.	1989			1990			1991			1992			REMARKS
	D/S	U/S	ELEV	D/S	U/S	ELEV	D/S	U/S	ELEV	D/S	U/S	ELEV	
302	0.00	0.00	5607.89			5607.83			5607.81			5607.82	
303	0.00	0.13	5607.96		0.08	5607.9		0.09	5607.87		0.10	5607.89	
304	0.00	0.00	5607.97	0.01		5607.92		0.02	5607.90			5607.90	
305	0.00	0.00	5608.10		0.05	5608.04		0.02	5608.00		0.04	5607.98	
306	0.00	0.11	5608.21		0.07	5608.13		0.02			0.03	5607.98	RESET 1992
307	0.00	0.08	5608.00		0.07	5607.93		0.02			0.02	5607.62	RESET 1992
308	0.00	0.00	5607.72		0.02	5607.64			5607.64		0.03	5607.63	
309	0.00	0.00	5607.72		0.02	5607.64			5607.63		0.03	5607.64	
310	0.00	0.00	5607.75	0.03		5607.68	0.05		5607.65	0.06		5607.67	
311	0.00	0.00	5607.96	0.04		5607.89	0.13		5607.86	0.05		5607.88	
312	0.00	0.00	5607.95		0.03	5607.89	0.01		5607.87		0.09	5607.86	
313	0.00	0.00	5608.01		0.05	5607.94	0.01		5607.93		0.06	5607.93	
314	0.00	0.00	5608.16		0.08	5608.08		0.04	5608.07		0.06	5608.06	
315	0.00	0.00	5608.19		0.10	5608.11		0.09	5608.10		0.10	5608.09	
316	0.00	0.09	5608.04		0.06	5607.96		0.02	5607.97		0.09	5607.97	
317	0.00	0.16	5607.72		0.05	5607.66			5607.67		0.05	5607.66	
318	0.00	0.00	5607.74	0.01		5607.68	0.13		5607.68	0.06		5607.68	
319	0.00	0.12	5607.71		0.12	5607.60		0.02	5607.66		0.09	5607.66	
320	0.00	0.00	5608.13		0.08	5608.06		0.06	5608.04		0.05	5608.05	
321	0.00	0.00	5608.11		0.10	5608.04			5608.03			5608.04	
322	0.00	0.00	5608.19			5608.11	0.13		5608.10			5608.11	
323	0.00	0.07	5608.06		0.08	5607.98			5607.99		0.08	5607.97	
324	0.00	0.05	5608.05		0.07	5607.97		0.02	5607.98		0.10	5607.97	
325	0.00	0.09	5607.57		0.08	5607.52		0.08	5607.51		0.08	5607.51	
326	0.00	0.00	5607.78		0.08	5607.73			5607.73		0.09	5607.72	
327	0.00	0.00	5608.21		0.02	5607.96			5607.96		0.04	5607.96	
328	0.00	0.00	5608.14			5608.09			5608.09		0.05	5608.08	
329	0.00	0.09	5608.07		0.05	5608.01			5608.00		0.06	5607.99	
330	0.00	0.00	5607.78			5607.71	0.05		5607.70	0.07		5607.70	
331	0.00	0.00	5607.56			5607.51			5607.48			5607.50	
332	0.00	0.03	5608.09		0.03	5608.02		0.03	5607.98		0.07	5608.02	
333	0.00	0.00	5608.05			5607.98			5607.99			5607.98	

WHITE MESA MILL MOVEMENT MONITOR SUMMARY

1990			1991			1992			1993			REMARKS	
MM NO.	D/S	U/S	ELEV	D/S	U/S	ELEV	D/S	U/S	ELEV	D/S	U/S		ELEV
400			5584.85			5584.87			5584.87				
401		0.02	5596.90			5596.90	0.05		5596.91				
402		0.02	5598.20	0.03		5598.19	0.04		5598.20				
403		0.03	5598.25	0.05		5598.25	0.05		5598.26				
404		0.03	5598.21	0.04		5598.21	0.06		5598.21				
405		0.02	5598.17	0.02		5598.17	0.04		5598.17				
406		0.01	5598.12			5598.14	0.02		5598.14				
407		0.01	5598.25	0.02		5598.26	0.05		5598.25				
408		0.03	5598.14	0.04		5598.14	0.05		5598.12				
409		0.01	5598.15	0.02		5598.14			5598.12				
410		0.04	5598.16	0.01		5598.14	0.04		5598.15				
411			5597.86		0.01	5597.85			5597.85				
412		0.02	5597.82	0.01		5597.82	0.03		5597.82				
413		0.01	5597.87			5597.88	0.06		5597.88				
414		0.04	5597.87			5597.88	0.04		5597.87				
415		0.02	5598.05			5598.04	0.05		5598.04				
416		0.01	5598.09		0.03	5598.08			5598.08				
417			5598.18		0.04	5598.14			5598.16				
418			5598.02		0.05	5598.00			5598.01				
419			5597.74		0.03	5597.73		0.03	5597.75				
420			5598.07		0.03	5598.08			5598.08				
421			5598.15		0.04	5598.15			5598.17				
422			5598.08		0.05	5598.09			5598.05				
423			5598.05		0.03	5598.04			5598.06				
424		0.02	5598.20			5598.18			5598.20				
425		0.01	5598.33			5598.31			5598.31				
426			5598.56			5598.54	0.06		5598.56				
427			5598.84		0.04	5598.82	0.05		5598.86				
428			5596.30			5596.30			5596.30				
429			5562.11			5562.11			5562.11				
430			5566.54			5566.54			5566.54				

WHITE MESA MILL MOVEMENT MONITOR SUMMARY

MM NO.	1990		1991		1992		REMARKS
	D/S	U/S	ELEV	D/S	U/S	ELEV	
431			5596.93			5596.92	**
432			5597.42	0.04		5597.41	0.04
433	0.02		5597.99	0.03		5597.96	0.03
434			5598.60	0.02		5598.56	
435			5598.53			5598.53	
436	0.04		5598.80	0.13		5598.79	0.11
437			5599.90	0.17		5599.88	0.13
438	0.02		5600.62	0.17		5600.58	0.15
439			5601.05	0.12		5601.00	0.19
440			5601.45			5601.42	
441	0.02		5601.94	0.15		5601.93	0.15
442			5602.52			5602.46	0.07
443			5603.04			5603.00	
444			5603.45		0.04	5603.43	
445			5604.20		0.05	5604.17	
446			5604.55			5604.52	
447	0.01		5604.57			5604.54	0.09
448			5604.99	0.02		5604.99	0.03
449	0.01		5605.62	0.10		5605.63	0.15
450			5606.12		0.02	5606.11	0.06
451	0.01		5606.94			5606.93	
452			5607.52			5607.51	
453			5583.79			5583.79	
454	0.07		5587.76	0.17		5587.67	
455	0.05		5589.69	0.14		5589.67	
456	0.10		5590.13	0.23		5590.04	
457			5591.63			5591.61	
458			5595.33			5595.33	
459			5584.70			5584.70	
460			5574.50			5574.51	
461			5574.33	0.09		5574.33	
462			5573.73			5573.73	
463			5572.98			5572.97	
464			5569.78			5569.74	

* POINTS MAY HAVE BEEN DISTURBED (1992).

**THE CELL 4 DIKES WERE RESHAPED IN MAY, 1991 AND THE POINTS NOTED MAY HAVE BEEN DISTURBED.

WHITE MESA MILL MOVEMENT MONITOR RESULTS
AUG. 31, 1992 CELL 3 BLANDING UTAH

MM NO.	D/S	U/S	ELEV.
302	CONTROL		5607.82
303		0.10	5607.87
304	0.00	0.00	5607.90
305		0.04	5607.98
306		0.03	5607.98
307		0.02	5607.62
308		0.03	5607.63
309		0.03	5607.64
310	0.06		5607.67
311	0.05		5607.88
312		0.09	5607.86
313		0.06	5607.93
314		0.06	5608.06
315		0.10	5608.09
316		0.09	5607.97
317		0.05	5607.66
318	0.06		5607.65
319		0.09	5607.66
320		0.05	5608.05
321	0.00	0.00	5608.04
322	0.00	0.00	5608.11
323		0.08	5607.97
324		0.10	5607.97
325		0.08	5607.51
326		0.09	5607.72
327		0.04	5607.96
328		0.05	5608.08
329		0.06	5607.99
330	0.00	0.00	5607.70
331	0.07		5607.50
332		0.07	5608.02
333	CONTROL		5607.98

NOTES: R.L. JOHNSON PT.#102=WEI PT.#302 etc.
POINTS 306,307 REESTABLISHED AFTER BEING DESTROYED

WHITE MESA MILL MOVEMENT MONITOR RESULTS
JUNE 26, 1991 CELL 4 S. DIKE BLANDING UTAH

MM NO.	D/S	U/S	ELEV.
400	CONTROL		5584.87
401	0.05		5596.91
402	0.04		5598.20
403	0.05		5598.26
404	0.06		5598.21
405	0.04	0.00	5598.17
406	0.02		5598.14
407	0.05		5598.25
408	0.05		5598.12
409	0.00	0.00	5598.12
410	0.04		5598.15
411	0.00	0.00	5597.85
412	0.03		5597.82
413	0.06		5597.88
414	0.04		5597.87
415	0.05		5598.04
416	0.00	0.00	5598.08
417	0.00	0.00	5598.16
418	0.00	0.00	5598.01
419		0.03	5597.75
420	0.00	0.00	5598.08
421	0.00	0.00	5598.17
422	0.00	0.00	5598.05
423	0.00	0.00	5598.06
424	0.00	0.00	5598.20
425	0.00	0.00	5598.31
426	0.06		5598.56
427	0.05		5598.86
428	CONTROL		5596.30

WHITE MESA MILL MOVEMENT MONITOR RESULTS
JUNE 26, 1991 CELL4 WEST DIKE BLANDING UTAH

MM NO.	WEST	EAST	ELEV.
429	CONTROL		5562.11
430	CONTROL		5566.54
431	CONTROL		5596.92
432	0.04		5597.40
433	0.03		5597.94
434	0.00	0.00	5598.54
435	0.00	0.00	5598.52
436	0.11		5598.79
437	0.13		5599.85
438	0.15		5600.55
439	0.19		5600.98
440	0.00	0.00	5601.42
441	0.15		5601.89
442	0.07		5602.44
443	0.00	0.00	5602.99
444	0.00	0.00	5604.43
445	0.00	0.00	5604.16
446	0.00	0.00	5604.52
447		0.09	5604.54
448	0.03		5604.99
449	0.15		5605.61
450		0.06	5606.11
451	0.00	0.00	5606.93
452	CONTROL		5607.51

NOTE: POINTS 434, 438, 441, 450 MAY HAVE BEEN DISTURBED

WHITE MESA MILL MOVEMENT MONITOR RESULTS
JUNE 26, 1991 CELL 4 S. DIKE BLANDING UTAH

MM NO.	D/S	U/S	ELEV.
453	CONTROL		5583.79
454	0.15		5587.71
455	0.12		5589.70
456	0.18		5590.06
457	0.04		5591.63
458	CONTROL		5595.33
459	CONTROL		5584.70
460	0.00	0.00	5574.52
461		0.04	5574.35
462		0.07	5573.76
463		0.08	5573.00
464	CONTROL		5569.74

NOTE: POINTS 454, 456 REESTABLISHED, POINT 461 DISTURBED