



MT NEBO SCIENTIFIC, INC.
research & consulting

DEC 23 1999

DIVISION OF OIL, GAS & MINING

MEMORANDUM

TO: Paul Baker

FROM: Patrick Collins

DATE: December 20, 1999

SUBJECT: Replacement Pages

CC: Dennis Schwehr

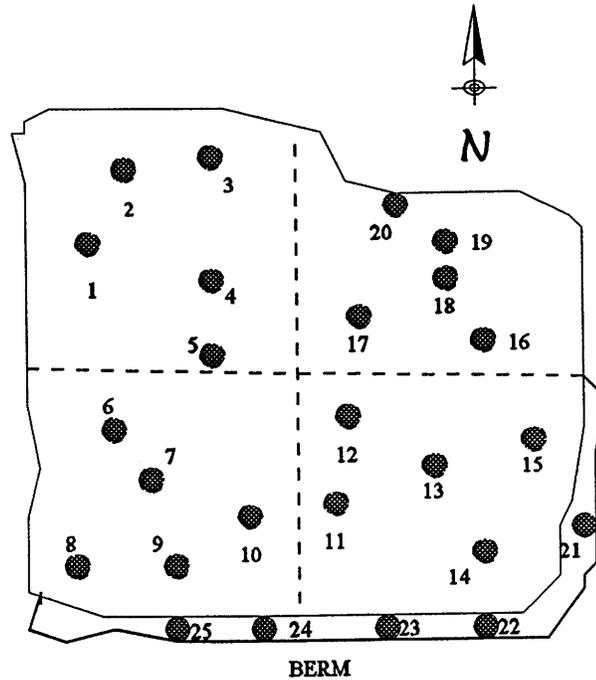
ACT/007/012 #2
copy Pam

Included please find 3 copies of the additional depth and volume data you requested.

Please replace the following pages with the same pages in the last submittal dated December 9, 1999.

Call if you have questions.

A general sample map was made in the field to show the relative position of each sample. Another map is show below to illustrate the sample plan.



General Sample Map of the Coal Storage Area

Depth of material at sample locations are shown below.

1=15"	6=21"	11=25"	16=47"
2=1"	7=25"	12=32"	17=47"
3=11"	8=32"	13=44"	18=29"
4=6"	9=37"	14=30"	19=15"
5=16"	10=20"	15=42"	20=51"

After mixing the soils/coal samples to make composite samples, one sample was taken to Soils Lab at Brigham Young University in Provo, Utah for most of the parameters to be tested. Another sample of each area was sent to Inter-Mountain Lab in Farmington, New Mexico to analyze for selenium.

All parameters requested by the DOGM for this area are shown below. Depth of coal material was also recorded at each sample location.

BRIGHAM YOUNG UNIVERSITY	INTER-MOUNTAIN LAB
EC pH Acid forming potential Boron	Selenium

Results

Estimated volumes based on the average depth of material in each sample area are shown below.

AREA NAME	\bar{x} DEPTH (in.)	\bar{x} DEPTH (ft.)	AREA SIZE (ft ²)*	VOLUME (cys.)
C1	9.80	0.82	50000	1512.35
C2	27.00	2.25	50000	4166.67
C3/C4	33.83	2.82	75000	7831.02
C5	36.00	3.00	1887	209.67
TOTAL				137169.70

* C1-C4 taken from a survey conducted by Andalex

Following are the results for the laboratory analyses shown from the original lab forms.