



CONTACT INFORMATION  
Mining Records Curator  
Arizona Geological Survey  
3550 N. Central Ave, 2nd floor  
Phoenix, AZ, 85012  
602-771-1601  
<http://www.azgs.az.gov>  
[inquiries@azgs.az.gov](mailto:inquiries@azgs.az.gov)

The following file is part of the Anderson Mine Collection

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MEMO TO: W.C. Goth

DATE: January 30, 1978

FROM: G.C. Dohm, Jr.

SUBJECT: Probe Truck

The following recommendations are the outgrowth of a meeting held on January 27, 1978 which was attended by the Development and Geophysical Groups and Los Angeles Management. It was agreed that appropriate measures would be undertaken to update the computer software.

The following items are deemed essential by the Development Group to facilitate the "turn around" of information to aid in mine planning.

- 1) Increase the logging speed of the downhole probe and record with only one trip in the hole if possible.
- 2) Improve mag tape efficiency by cleaning out extraneous data (only gamma and header information required). Control statements are confusing allowing only one rerun per tape. Increasing telephone transmission speed would be desirable if practical.
- 3) Develop an operator's field trouble shooting manual.

The remaining items are desirable and will be listed in order of importance:

- 1) Ability to printout 1' and 2' outputs in field in addition to the ½'.
- 2) Printout of caliper thru ore zone to improve water factor correction.
- 3) Utilize a standard computer language if possible to enable easier implementation of program modifications.
- 4) Print field output (½', 1' or 2') in top to bottom order.
- 5) Print field output on 8½ x 11 pages.
- 6) Plot of downhole deviation for mine design corrections.
- 7) A summary sheet of actual data output, i.e. raw counts versus corrected counts, software and hardware integration, etc.

GCD/p

c: W.R. Moran  
C.Z. Hill  
R.F. Lucht  
W.G. Zinn  
File ✓

Memo to: Don Bradley - Casper

Date: August 16, 1977

From: G.C. Dohm, Jr. - Tucson

Subject: Probe Truck  
Anderson Mine

I have recently received approval for a 36 hole coring program at the Anderson Mine. The project will start on or about September 6th and last for approximately two months. I am requesting the digital probe truck for the program. It is very important that the truck be calibrated in ERDA's test pit before assignment and also after, as we are trying to determine detailed equilibrium information.

Please advise as to availability, as we will have to contract a digital probe truck if MX's is not available.

As previously discussed, we are still planning a four to five month drilling program at the Anderson Mine commencing shortly after January 1, 1978. We will need the digital truck for that program also.

GCD/pb

c: W.C. Goth

*DIGITAL*

LOGGING UNIT CALIBRATION DATA

BFE-1023

Company: Minerals Exploration				Unit No.: 61		Date: 8-31-77		
Address P.O. Box 2674				Unit Operator:				
Casper, Wyoming 82602								
Probe No.	Deadtime	Air K-Factor	Hole Size	Water Factor	Casing			
					Type	Factor	Type	Factor
3	7.394µsec	5.428x10 <sup>-5</sup>						
4	7.209µsec	2.185x10 <sup>-5</sup>						
Comments:								
-Digital Calculations-								
If you have any questions, please contact me at (303) 242-8621, Ext355								
<i>Larry Knight</i> Larry Knight, Geophysics Engineer								
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*ANALOG*

LOGGING UNIT CALIBRATION DATA

BFE-1023

Company: Minerals Exploration				Unit No.: 61		Date: 8-31-77		
Address P.O. Box 2674				Unit Operator:				
Casper, Wyoming								
Probe No.	Deadtime	Air K-Factor	Hole Size	Water Factor	Casing			
					Type	Factor	Type	Factor
3	9.239µsec	6.006x10 <sup>-5</sup>						
4	7.497µsec	2.479x10 <sup>-5</sup>						
Comments:								
Listed above are calibration factors for your logging unit.								
If you have any questions, please contact me at (303) 242-8621, Ext. 355								
Analog calculations.								
<i>Larry Knight</i> Larry Knight, Geophysics Engineer								
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(DIGITAL)

DEADTIME K-FACTOR  
7.6 μSEC 5.42 x 10<sup>-5</sup>

(ANALOG)

DEADTIME K-FACTOR  
7.5 μSEC 6.00 x 10<sup>-5</sup>

100 = .011  
 200 = .022  
 300 = .033  
 400 = .043  
 500 = .054  
 600 = .065  
 700 = .076  
 800 = .088  
 900 = .098  
 1000 = .114  
 1100 = .122  
 1200 = .130  
 1300 = .141  
 1400 = .152  
 1500 = .162  
 1600 = .173  
 1700 = .184  
 1800 = .195  
 1900 = .210  
 2000 = .220

100 = .012  
 200 = .024  
 300 = .036  
 400 = .048  
 500 = .060  
 600 = .072  
 700 = .084  
 800 = .096  
 900 = .108  
 1000 = .120  
 1100 = .132  
 1200 = .144  
 1300 = .156  
 1400 = .168  
 1500 = .180  
 1600 = .192  
 1700 = .204  
 1800 = .216  
 1900 = .228  
 2000 = .240

m

THESE GRADES ASSUME A DRY HOLE WITH NO WATER FACTOR CORRECTIONS

NO DEADTIME CORRECTION WAS USED.

2000 COUNTS CORRECTED FOR 8 μSEC DEADTIME = 2040 COUNTS.