Appendix 6-2

Acid-Base Accountability, Report Of Results

REPORT OF RESULTS

OF

ACID-BASE ACCOUNTABILITY

FOR

STANDARD LABORATORIES, INC.

LAB NUMBERS

S-5604 THRU S-5607

STANDARD LABORATORIES, INC.
3322 PENNSYLVANIA AVENUE
CHARLESTON, WEST VIRGINIA 25302

JULY 16, 1981

STANDARD LABORATORIES, INC.
2 Pennsylvania Ave., Charleston, W. Va. 25302 304-343-5173

DESCRIPTION OF TEST

THE FOLLOWING TEST PROGRAM WAS PERFORMED FOR STANDARD LABORATORIES, INC., UTAH IN ACCORDANCE WITH THE VERBAL INSTRUCTIONS FROM W. WALLEN TO STEPHEN STEPTO. THE FOUR SOIL SAMPLES DESCRIBED IN THIS REPORT (LAB NUMBERS S-5604 THRU S-5607) WERE DELIVERED TO STANDARD LABORATORIES, INC. CHARLESTON, ON JUNE 23, 1981.

TESTS PERFORMED ON EACH SAMPLE SEPARATELY WERE AS FOLLOWS:

1. A LOG WAS PREPARED DETAILING THE ROCK TYPE AND COLOR OF THE SAMPLE.

2. THE SAMPLE WAS ANALYZED FOR FIZZ, PERCENT SULFUR, PASTE PH AND NEUTRALIZATION POTENTIAL.

3. THE ANALYSES IN ITEM #2 WERE USED TO COMPUTE A COMPLETE ACID-BASE ACCOUNTABILITY.

4. THE SAMPLE WAS ANALYZED FOR % PYRITE.

5. AN ALKALINITY WAS DETERMINED ON THE WATER SHAKE EXTRACT OF THE SAMPLE.

6. % CLAY WAS DETERMINED ON LAB NUMBERS S-5605 AND S-5607.

RESPECTFULLY SUBMITTED,

STANDARD LABORATORIES, INC.

Marvin C Davis Jr.

MARVIN C. DAVIS, JR.
ASSISTANT MANAGER

STANDARD LABORATORIES, INC.
Pennsylvania Ave., Charleston, W. Va. 25302 304-343-5173

CORE LOG

FOR: STANDARD LABORATORIES, INC.
P.O. BOX 1140
HUNTINGTON, UTAH 84528

LAB NO.	SAMPLE ID.	ROCK TYPE	COLOR
S-5604	19305	VERY FINE GRAIN SANDSTONE WITH COAL STREAKS	10YR 7
		DARK GREY - CALCAREOUS	
S-5605	19306	FINE GRAIN SANDSTONE WITH COAL STREAKS	10YR 4
		DARK GREY	
S-5606	19307	MUDSTONE WITH FINE GRAIN SANDSTONE AND COAL	10YR 6
		STREAKS DARK GREY - CALCAREOUS	
S-5607	19308	MUDSTONE WITH FINE GRAIN SANDSTONE AND COAL	10YR 4
		STREAKS DARK GREY	

STANDARD LABORATORIES, INC.
2 Pennsylvania Ave., Charleston, W. Va. 25302 304-343-5173

ACID-BASE ACCOUNTABILITY

FOR: STANDARD LABORATORIES, INC.
P.O. BOX 1140
HUNTINGTON, UTAH 84528

$CaCO_3$ EQUIV. (TONS/1000 TONS OF MATERIAL)

LAB NO.	SAMPLE ID	FIZZ	% SUL.	MAX FROM % SUL.	AMOUNT PRESENT	MAX NEEDED PH 7	EXCESS	PAST PH
S-5604	19305	4	0.050	1.56	109.54	---	107.98	7.6
S-5605	19306	0	0.251	7.83	0.09	7.74	---	3.9
S-5606	19307	4	0.153	4.79	169.09	---	164.30	7.2
S-5607	19308	0	0.376	11.76	-1.31	13.07	---	3.9
S-5604			*0.03	***0.94	109.54	---	***108.60	
S-5605			*0.06	***1.87	0.09	***1.78	---	
S-5606			*0.09	***2.81	169.09	---	***166.28	
S-5607			*0.07	***2.19	-1.31	***4.50	---	

* % PYRITE

*** CALCULATED USING PYRITIC SULFUR

STANDARD LABORATORIES, INC.
3322 Pennsylvania Ave., Charleston, W. Va. 25302 304-343-5173

FOR: STANDARD LABORATORIES, INC.
P.O. BOX 1140
HUNTINGTON, UTAH 84528

SAMPLED BY: YOURSELVES/W. WALLEN DATE REC'D: 6/23/81

LAB NO.	SAMPLE ID:	% PYRITE	% CLAY	WATER SHAKE EXTRACT ALKALINITY MG/L
S-5604	19305	0.03	---	63.30
S-5605	19306	0.06	9.5	4.00
S-5606	19307	0.09	---	87.40
S-5607	19308	0.07	10.5	0.00

ACIDITY-TOXICITY
COAL SAMPLE
TOP, MIDDLE, BOTTOM
COMPOSITE

ACZ Inc

FACSIMILE REQUEST FORM 5-30-86

Steamboat Springs, Colorado 80477
(303) 879-6260 - Office
(303) 879-3631 - Facsimile Machine

TO: Andy King
Gemval

Fax (Telephone) No.: 1-801-532-7840

FROM: Ralph Poulsen
ACZ INC. Laboratory Division

Telephone No.:

DATE: 6/5/86

NUMBER OF PAGES (including this cover sheet): 3

CHARGE NO.: LAB

COMMENTS/NOTES:

IF YOU DO NOT RECEIVE LEGIBLE COPIES OF ALL PAGES, PLEASE CALL BACK AS SOON AS POSSIBLE.

ACZ INC./LABORATORY DIVISION
COAL ANALYSIS REPORT

Client: Genwal Coal Company
816 Castle Heights Avenue
Price, Utah 84501

Report Date: June 4, 1986
Date Received: May 29, 1986

Attn: Mr. Andy King

LAB NO.	SAMPLE I.D.	SAMPLE DATE	Saturation %	pH 1 (units)	Conductivity mmhos/cm @ 25 C	Calcium meq/l	Magnesium meq/l	Sodium meq/l	SAR	Boron 2 mg/kg	Selenium 2 mg/kg	Combustible Solids %	Neutralization Potential as % CaCO3	Total Sulfur %	Acid Base Potential Tons CaCO3/1000 Tons
B6-0670-Coal	Coal Sample	05//29/86	61	7.4	0.83	4.20	2.97	3.46	1.83	1.30	-0.01	91.0	0.7	0.58	-11

1 Saturated Paste Extraction 2 Hot Water Extraction

Ralph V. Poulsen

Ralph V. Poulsen, Director