

TABLE 2.3-11

## SUITE TWO RESULTS: ACID BASE ACCOUNTING

Sample Borehole	Top Depth	Bottom Depth	Sulfur Forms			Acid Potential	Neutralization Potential	Net Neutralization Potential
			Pyritic	Sulfate	Total			
		(ft bgs)	wt. %	wt. %	wt. %	(tCaCO3/kt)	(tCaCO3/kt)	(tCaCO3/kt)
SHMW-04D	5	10	0.02	0.76	1.2	37.5	12.8	-24.7
SHMW-04D	21	23	0.04	0.03	0.1	3.1	120	117
SHMW-04D	37	38	0.05	0.01	0.08	2.5	111	108
SHMW-04D	39	42	0.11	0.02	0.13	4.1	125	121
SHMW-04D	54	54	0.02	0.04	0.08	2.5	26	23.5
SHMW-04D	61	61	0.04	0.02	0.06	1.9	61.9	60
SHMW-04D	12	14	0.62	0.01	0.68	21.2	29.6	8.4
SHMW-05D	43	48	0.03	0.03	0.08	2.5	16.7	14.2
SHMW-05D	57	63	0.8	<0.01	0.85	26.6	28.4	1.8
SHMW-05D	105	110	0.03	<0.01	0.02	0.6	120	119
SHMW-05D	146	151	<0.01	0.34	0.37	11.6	10.9	-0.7
SHMW-06D	5	8	<0.01	0.37	0.4	12.5	29.1	16.6
SHMW-06D	21.5	25	<0.01	0.02	0.02	0.6	129	128
SHMW-06D	46.5	51.5	0.02	0.35	0.38	11.9	61.4	49.5
SHMW-10D2	10	15	<0.01	0.1	0.1	3.1	91.2	88.1
SHMW-10D2	25	30	0.03	0.03	0.08	2.5	38.9	36.4
SHOB-01R	25	30	0.12	0.01	0.16	5	38.4	33.4
SHOB-03R	15	20	0.03	0.5	0.84	26.2	7.5	-18.7
SHOB-03R	40	45	0.11	0.01	0.17	5.3	69.6	64.3
SHOB-04R	30	35	0.15	0.02	0.2	6.2	88.7	82.5
SHOB-05R	10	15	0.02	0.61	0.73	22.8	26.6	3.8
SHOB-05R	40	45	0.91	0.31	1.33	41.6	52.5	10.9
SHOB-08R	55	60	0.32	<0.01	0.35	10.9	70.8	59.9
SHOB-09R	10	15	0.27	1.31	2.5	78.1	<0.5	-78.1
SHOB-09R	25	30	0.89	0.01	1.4	45.6	26.7	-18.9
SHOB-09R	35	40	0.08	0.06	0.25	7.8	86.1	78.3
SHOB-09R	60	65	0.56	0.07	0.68	21.2	67.6	46.4
SHOB-10R	20	25	<0.01	0.26	0.31	9.7	107	97.3
SHOB-12R	5	10	<0.01	1.03	1.23	38.4	11.9	-26.5
SHOB-12R	45	50	0.69	<0.01	0.74	23.1	66.2	43.1
SHOB-14R	5	10	0.02	0.47	0.61	19.1	11.1	-8
SHOB-14R	35	40	0.03	0.01	0.05	1.6	110	108
SHOB-17R	25	30	0.06	0.34	0.48	15	8.5	-6.5
SHOB-19R	10	15	0.07	0.81	0.89	27.8	36.3	8.5
SHOB-23R	60	65	0.46	<0.01	0.46	14.4	68.7	54.3
SHOB-25C	26	31	<0.01	0.01	0.01	<0.5	145	145
SHOB-32R	15	20	0.01	0.18	0.2	6.2	31	24.8
SHOB-36R	15	20	0.08	0.44	0.69	21.6	48.2	26.6
SHOB-37R	35	40	<0.01	0.08	0.08	2.5	107	104
SHOB-38R	15	20	0.03	0.32	0.35	10.9	63.5	52.6
SHOB-38R	35	40	<0.01	0.14	0.14	4.4	21.6	17.2
SHOB-39R	15	20	0.02	0.29	0.33	10.3	20.5	10.2
SHOB-40R	10	15	<0.01	0.03	0.03	0.9	65.7	64.8
SHOB-40R	20	25	0.13	0.59	1.31	40.9	7.6	-33.3
SHOB-41R	15	20	0.34	0.25	0.63	19.7	88.2	68.5
SHOB-41R	20	25	0.2	0.36	0.94	29.4	63.2	33.8
SHOB-43R	30	35	0.4	0.07	0.51	15.9	18.9	3
SHOB-46R	15	20	0.05	1.03	2.05	64.1	<0.5	-64.1

## NOTES:

- ft bgs = feet below ground surface
- wt. % = weight percent
- tCaCO3/kt = tons of calcium carbonate per kiloton
- Analyses performed by Northern Analytical Laboratories Inc. of Billings, MT
- When sample top depth = sample bottom depth, sample was a discrete sample rather than composite
- Duplicates not shown in data set
- Results in bold were performed on samples from boreholes within the mine pit boundary