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James Doyle Sell Mining Collection

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AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

January 2, 1968

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - North El Tiro Hill, West El Tiro Leach Dump, and Mr. Expectation Areas, - Drilling Progress Report - December, 1967.

During the month of December we had one truck mounted and one skid mounted diamond drill rig drilling. Both rigs worked two shifts per day, six days per week.

A total of 2,225.0' of core drilling was done; 843.9' with the skid rig and 1,381.1' with the truck rig. Without taking any delays into account the average advance per shift was 16.9' for the skid rig and 27.6' for the truck rig.

Hole No.	Approx. Elevation	Approx. Coordinates North	Coordinates East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu Total	Avg. % Cu N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
D-281	2,700	36,167	15,190	203.9	35.8	0.43	Nil	214.7	252.1	252.1
D-283	2,809.82	38,666.28	16,142.27	180.7	24.4	0.51	0.21	87.6	268.3	268.3
D-284	2,749.44	38,677.40	16,505.15	No significant thickness				167.6	167.6	167.6
D-285	2,760	36,325	15,282	186.2	27.9	0.52	0.01	397.9	397.9	397.9
D-286	2,770	38,068	16,509	99.7	33.7	0.50	0.16	183.6	183.6	183.6
D-287	2,835	35,342	16,865	129.1 204.2	49.8 58.3	0.47 0.68	0.02 0.00	287.3	287.3	287.3
D-288	2,830	36,640	15,052	No significant thickness				398.5	398.5	398.5
D-289	2,820	36,480	15,192	No significant thickness				231.3	231.3	231.3
D-290	2,867	38,058	16,190	141.4	102.6	0.74	0.06	256.5	256.5	256.5
							TOTAL	2,225.0		

N. R. Nuttycombe

NRN:jca
cc: TASnedden
CPPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

December 4, 1967

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - North El Tiro Hill - Daisy Shaft Area and West El Tiro Leach Dump Area - Drilling Progress Report - November, 1967.

During the month of November we had one truck mounted and one skid mounted diamond drill rig drilling in the North El Tiro Hill-Daisy Shaft and West El Tiro Leach Dump areas. Both rigs worked two shifts per day, six days per week.

A total of 2,506.6' was core drilled; 844.2' with the skid rig and 1,662.4' with the truck rig. Without taking any delays into account the average advance per shift was 16.9' for the skid rig and 33.2' for the truck rig.

Hole No.	Approx. Elevation	Approx. Coordinates North	East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu Total	N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
D-273	2,842.42	37,904.93	15,142.85	116.6	118.7	0.61	0.01	107.1	323.7	323.7
D-274	2,767.30	38,481.07	16,559.40	~~No significant Thickness~~				19.7	172.2	172.2
D-275	2,780.56	38,488.15	16,393.14	114.7	67.3	0.61	0.06	205.7	205.7	205.7
D-276	2,870	38,470	15,910	198.2	34.4	0.56	0.04	254.9	254.9	254.9
D-277	2,814.43	38,029.46	15,043.20	No significant Thickness				317.9	317.9	317.9
D-278	2,810	38,352	15,819	117.4	75.6	0.55	0.04	383.0	383.0	383.0
D-279	2,795	38,199	15,122	No significant Thickness				381.8	381.8	381.8
D-280	2,862	38,514	15,750	62.9 118.1	15.3 78.8	0.61 0.77	0.08 0.08	415.8	415.8	415.8
D-281	2,700	36,167	15,190	Assays not completed				37.4	37.4	
D-282	2,782	38,668	16,324	No significant Thickness				202.6	202.6	202.6
D-283	2,812	38,665	16,141	Assays not completed				180.7	180.7	
						TOTAL		2,506.6		

N. R. Nuttycombe

NRN:jca
cc: TASnedden JHCourtright (2)
CFPollock A/M DRJameson (2)
RBMeen File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

December 4, 1967

MEMORANDUM TO: Mr. D. R. Jamason, Superintendent

Subject: SILVER BELL UNIT - North El Tiro Hill - Daisy Shaft Area and West El Tiro Leach Dump Area - Drilling Progress Report - November, 1967.

During the month of November we had one truck mounted and one skid mounted diamond drill rig drilling in the North El Tiro Hill-Daisy Shaft and West El Tiro Leach Dump areas. Both rigs worked two shifts per day, six days per week.

A total of 2,506.6' was core drilled; 844.2' with the skid rig and 1,662.4' with the truck rig. Without taking any delays into account the average advance per shift was 16.9' for the skid rig and 33.2' for the truck rig.

Hole No.	Approx. Elevation	Approx. Coordinates North	East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu Total	N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
D-273	2,842.42	37,904.93	15,142.85	116.6	118.7	0.61	0.01	107.1	323.7	323.7
D-274	2,767.30	38,481.07	16,559.40	No significant Thickness				19.7	172.2	172.2
D-275	2,780.56	38,488.15	16,393.14	114.7	67.3	0.61	0.06	205.7	205.7	205.7
D-276	2,870	38,470	15,910	198.2	34.4	0.56	0.04	254.9	254.9	254.9
D-277	2,814.43	38,029.46	15,043.20	No significant Thickness				317.9	317.9	317.9
D-278	2,810	38,352	15,819	117.4	75.6	0.55	0.04	383.0	383.0	383.0
D-279	2,795	38,199	15,122	No significant Thickness				381.8	381.8	381.8
D-280	2,862	38,514	15,750	62.9 118.1	15.3 78.8	0.61 0.77	0.08 0.08	415.8	415.8	415.8
D-281	2,700	36,167	15,190	Assays not completed				37.4	37.4	
D-282	2,782	38,668	16,324	No significant Thickness				202.6	202.6	202.6
D-283	2,812	38,665	16,141	Assays not completed				180.7	180.7	
						TOTAL		2,506.6		

N. R. Nuttycombe

NRN:jca
cc: TASnedden JHCourtright (2)
CPPollock A/M DRJamason (2)
RRMeen File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

J. H. C.
NOV 9 1967

November 6, 1967

MEMORANDUM TO: D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - North El Tiro Hill - Daisy Shaft Area and West El Tiro Leach Dump Area - Drilling Progress Report - October, 1967.

During the month of October we had one truck mounted and one skid mounted diamond core drill working in the North El Tiro Hill-Daisy Shaft area and the west El Tiro Leach Dump area. Both rigs ran two shifts per day 6 days per week.

A total of 2,943.7' was core drilled; 757.5' with the skid rig and the remainder with the truck rig. Without taking any delays into account the average advance per shift was 14.6' for the skid rig and 42.0' for the truck rig.

The average direct drilling cost was $6.96 per foot for the truck rig and $8.06 per foot for the skid rig.

Hole No.	Approx. Elevation	Approx. Coordinates North	East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu. Total	N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
D-249	2,667.69	36,186.32	15,332.41	No significant Thickness				63.0	242.3	442.3
D-251	2,750.09	37,111.89	14,816.65	"	"	"		121.0	164.0	164.0
D-252	2,798.03	36,972.00	14,906.47	138.8	55.7	0.59	0.04	139.1	229.7	229.7
D-253	2,798.75	36,999.43	14,733.19	No significant thickness				91.4	196.5	196.5
D-255	2,826.77	36,635.83	14,726.15	170.2	55.8	0.49	0.23	246.0	309.0	309.0
D-258	2,786.20	38,007.77	15,394.33	886.0	18.1	1.39	0.01	197.1	1011.8	1011.8
				992.8	19.1	1.70	0.01			
D-262	2,733.73	36,151.92	15,613.98	No significant thickness				111.0	305.5	305.5
D-266	2,829.78	36,757.80	14,991.44	146.7	62.5	0.56	Nil	227.1	311.0	311.0
				213.6	36.0	0.71	Nil			
D-267	2,780.16	37,763.00	16,334.39	159.9	36.6	0.48	0.13	188.4	254.6	254.6
D-269	2,809	37,888	15,305	105.4	138.2	0.73	0.009	640.9	640.9	640.9
D-270	2,785	38,510	16,234	112.5	36.5	0.52	0.08	199.0	199.0	199.0
D-271	2,760	37,902	16,420	112.6	56.2	0.52	0.03	272.6	272.6	272.6
D-272	2,832	38,510	16,052	124.3	34.4	0.59	0.02	168.0	178.0	178.0
D-273	2,836	37,887	15,125	No significant thickness				116.6	116.6	
D-274	2,758	38,510	16,596	85.3	41.6	0.82	0.12	152.5	152.5	
						TOTAL		2,943.7'		

N. R. Nuttycombe
N. R. Nuttycombe
Geologist

NRN:jca
cc: TASnedden
CPPollock A M
RHMoen
JHCourtright (2)
DRJameson (2)
File

SILVER BELL UNIT
Silver Bell, Arizona

Mr. J. H. Courtright

October 4, 1967

J.H.C
OCT 5- 1967

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - North El Tiro Hill-Daisy Shaft Area and West El Tiro-Leach Dump Area - Drilling Progress Report - September 1967.

During the month of September we had one truck mounted and one skid mounted diamond drill rig and one falling rotary-hammer rig drilling. The diamond drills worked two shifts per day and the falling rig one.

A total of 321.0' of dump material was rotary drilled and 787.0' of bed rock hammer drilled during the month with the Falling rig. The combined footage for the diamond drills was 2,289.2'.

Hole No.	Approx. Elevation	Approx. Coordinates North	East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu Total	Avg. % Cu N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
D-250	2,668.24	36,298.28	15,465.10	170.0	75.8	0.42	0.02	144.2	305.2	305.2
D-254	2,832.19	36,618.61	14,913.14	178.9	23.8	0.70	0.02	378.2	406.2	406.2
				228.5	63.3	0.52	0.01			
D-256	2,821.34	36,791.55	14,636.90	175.5	72.3	0.52	0.08	240.3	380.2	380.2
D-257	2,825.45	38,082.61	16,352.27	142.2	33.2	0.84	0.04			
				191.8	38.4	0.42	Nil	268.5	410.2	410.2
D-258				158.3	426.9	0.76	Nil	814.7	814.7	
				663.9	27.4	0.74	0.01			
D-259	2,728.81	36,126.04	15,472.21	No Significant Thickness				222.0	222.0	222.0
D-260	2,716.73	35,998.42	15,325.58	No Significant Thickness				147.0	147.0	147.0
D-261	2,796.77	37,914.32	16,225.81	No Significant Thickness				209.0	209.0	209.0
D-262	2,733.73	36,151.92	15,613.98	87.0	25.0	0.62	0.01	197.0	197.0	
				172.0	25.0	0.50	0.01			
D-263	2,831.95	38,347.71	16,301.61	120.2	103.1	0.65	0.03	255.3	255.3	255.3
D-264	2,696.00	37,292.00	16,738.00	No Significant Thickness				157.0	157.0	157.0
D-265	2, 750.00	37,117.00	14,462.00	No Significant Thickness				237.0	237.0	237.0
D-266	2,830.00	36,776.00	14,981.00	Dump Material Only				84.0		
D-267	2,797.00	37,750.00	16,325.00	Dump Material Only				67.0		
D-268	2,850.00	38,217.00	16,419.00	133.0	88.8	0.53	0.15	247.2	247.2	247.2
							TOTAL	3,397.2		

N. R. Nuttycombe, Geologist

NRN:dms
cc: TASnedden, CPFollock A/M, RBMeen, JHCourtright, DRJameson, File

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Mr. J. H. Courtright
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AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

September 6, 1967

J.H.C.
SEP 8 1967

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro-Daisy Shaft Area and West El Tiro Leach Dump Area - Drilling Progress Report - August, 1967.

During the month of August two truck mounted diamond core drilling rigs and one Failing rotary-hammer rig worked both the El Tiro-Daisy Shaft area and the west El Tiro leach dump area. The diamond rigs worked two shifts per day and the rotary-hammer rig one.

A total of 626.0' of dump material was rotary drilled and 854.0' of bed rock was hammer drilled with the Failing rig. The two truck mounted core rigs drilled 1,892.9' during the month.

Hole No.	Approx. Elevation	Approx. Coordinates North	East	Depth to Top	Thickness	Avg. % Cu Total	N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
D-236	2,770.25	38,193.75	14,952.41	No significant thickness				149.8	363.8	363.8
D-237	2,774.18	38,206.01	14,767.25	"	"	"		225.0	314.0	314.0
D-238	2,775.60	38,201.70	14,588.70	"	"	"		175.7	212.7	212.7
D-241	2,870.51	38,062.12	15,230.22	601.0 755.3	119.4 134.6	1.37 1.30	0.01 0.01	637.0	975.0	975.0
D-242	2,733.60	38,504.73	14,584.86	No significant thickness				176.2	722.9	722.9
D-246	2,825.54	36,484.93	14,651.37	252.0	35.0	0.68	0.01	337.0	337.0	337.0
D-247	2,695.28	37,289.44	14,891.96	No significant thickness				172.0	172.0	172.0
D-248	2,665.52	35,986.98	15,158.90	"	"	"		144.0	144.0	144.0
D-249	2,667.69	36,186.32	15,332.41	122.0	55.0	0.68	0.02	177.0	177.0	-
D-250	2,668.24	36,298.28	15,465.10	67.0	45.0	0.52	0.01	162.0	162.0	-
D-251	2,750.09	37,111.89	14,816.65	Dump material only				43.0	43.0	-
D-252	2,790	36,956	14,908	"	"	"		89.0	89.0	-
D-253	2,790	36,987	14,710	"	"	"		106.0	106.0	-
D-254	2,830	36,646	14,908	"	"	"		27.0	27.0	-
D-255	2,830	36,640	14,725	"	"	"		63.0	63.0	-
D-256	2,830	36,800	14,637	"	"	"		138.0	138.0	-
D-257	2,840	38,065	16,320	127.2	48.2	0.90	0.06	142.2	142.2	-
D-259	2,750	36,109	15,485	Assays not received yet				22.0	22.0	-
217-E	2,728.71	37,872.96	15,669.16	384.0	43.2	0.48	Nil	276.0	660.0	660.0
203-E	2,785.77	38,236.67	15,725.76	No significant thickness				111.0	410.1	410.1
							TOTAL	3,372.9		

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N. R. Nuttycombe

N. R. Nuttycombe, Geologist

NRN:jca
cc: TASnedden, CPPollock A/M, RBMeen, JHCourtright
DRJameson, File

39 holes - 10,606

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

August 4, 1967

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro-Daisy Shaft Area and West El Tiro Leach Dump area - Drilling Progress Report - July, 1967

During the month of July we had two diamond core drilling rigs and one Failing rotary-hammer rig working in the El Tiro-Daisy Shaft area and in the West El Tiro leach dump area. The diamond rigs worked two shifts per day and the Failing rig only one.

A total of 396.0' of dump material was rotary drilled and 1,226.0' of bedrock was hammer drilled with the Failing rig. The diamond core rigs drilled a total of 2,214.4' of bedrock during the same period.

Hole No.	Approx. Elevation	Approx. Coordinates North	East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu Total	N.S.	Ft. Drill During Mo.	Depth End Mo.	Final Depth
D-231	2,791.54	37,751.74	15,247.39 ✓	799.0	34.0	0.54	Nil	243.8	1,000.2	1,000.2
D-232	2,734.20	38,354.93	14,868.60	No significant thickness				256.4	617.4	617.4
D-234	2,728.04	38,510.99	14,769.14 ✓	502.7	102.8	0.72	Nil	324.5	796.0	796.0
			✓	637.3	42.1	0.67	Nil			
D-235	2,771.68	38,040.56	14,676.77 ✓	132.0	55.0	0.45	Nil	223.0	320.0	320.0
				202.0	25.0	0.44	Nil			
D-236	2,770.25	38,193.75	14,952.41 ✓	100.8	57.3	0.60	Nil	214.0	214.0	
D-237	2,774.18	38,206.01	14,767.25	All dump material				89.0	89.0	
D-238	2,775.60	38,201.70	14,588.70	All dump material				39.0	39.0	
D-239	2,772.73	37,901.83	14,594.12	No significant thickness				252.0	252.0	252.0
D-240	2,755.37	37,740.77	15,053.83	No significant thickness				485.0	520.0	520.0
D-241	2,870	38,042	15,218 ✓	230.0	75.0	0.53	0.05	338.0	338.0	
D-242	2,735	38,510	14,592	No significant thickness				546.7	546.7	
D-243	2,826	36,789	15,258 ✓	127.0	50.0	0.61	0.48	403.0	403.0	403.0
			✓	235.0	87.7	0.69	0.03			
D-244	2,750	37,112	14,639 ✓	92.0	35.0	1.00	0.03	210.0	210.0	
			✓	~~142.0~~	~~25.0~~	~~0.63~~	~~Nil~~			
D-245	2,745	37,107	14,994 ✓	77.0	65.0	0.56	0.09	212.0	212.0	

14

NRN:jca
cc: TASnedden
CPPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)
File

N. R. Nuttycombe
N. R. Nuttycombe
Resident Geologist

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AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

J. H. C.

August 4, 1967

JUL 14 1967

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro-Daisy Shaft Area and West El Tiro Leach Dump area - Drilling Progress Report - July, 1967

During the month of July we had two diamond core drilling rigs and one Failing rotary-hammer rig working in the El Tiro-Daisy Shaft area and in the West El Tiro leach dump area. The diamond rigs worked two shifts per day and the Failing rig only one.

A total of 396.0' of dump material was rotary drilled and 1,226.0' of bedrock was hammer drilled with the Failing rig. The diamond core rigs drilled a total of 2,214.4' of bedrock during the same period.

Hole No.	Approx. Elevation	Approx. Coordinates North	Approx. Coordinates East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu Total	Avg. % Cu N.S.	Ft. Drill During Mo.	Depth End Mo.	Final Depth
D-231	2,791.54	37,751.74	15,247.39	799.0	34.0	0.54	Nil	243.8	1,000.2	1,000.2
D-232	2,734.20	38,354.93	14,868.60	No significant thickness				256.4	617.4	617.4
D-234	2,728.04	38,510.99	14,769.14	502.7	102.8	0.72	Nil	324.5	796.0	796.0
				637.3	42.1	0.67	Nil			
D-235	2,771.68	38,040.56	14,676.77	132.0	55.0	0.45	Nil	223.0	320.0	320.0
				202.0	25.0	0.44	Nil			
D-236	2,770.25	38,193.75	14,952.41	100.8	57.3	0.60	Nil	214.0	214.0	
D-237	2,774.18	38,206.01	14,767.25	All dump material				89.0	89.0	
D-238	2,775.60	38,201.70	14,588.70	All dump material				39.0	39.0	
D-239	2,772.73	37,901.83	14,594.12	No significant thickness				252.0	252.0	252.0
D-240	2,755.37	37,740.77	15,053.83	No significant thickness				485.0	520.0	520.0
D-241	2,870	38,042	15,218	230.0	75.0	0.53	0.05	338.0	338.0	
D-242	2,735	38,510	14,592	No significant thickness				546.7	546.7	
D-243	2,826	36,789	15,258	127.0	50.0	0.61	0.48	403.0	403.0	403.0
				235.0	87.7	0.69	0.03			
D-244	2,750	37,112	14,639	92.0	35.0	1.00	0.03	210.0	210.0	
				142.0	25.0	0.63	Nil			
D-245	2,745	37,107	14,994	77.0	65.0	0.56	0.09	212.0	212.0	

N. R. Nuttycombe
N. R. Nuttycombe
Resident Geologist

NRN:jca
cc: TASnedden
CPPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

(3)

July 3, 1967

J.H.C.
JUL 6 1967

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro-Daisy Shaft Area
Drilling Progress Report - June, 1967.

A total of 2,359.9' of diamond core drilling was done by two truck mounted rigs working in the El Tiro-Daisy Shaft area on a two shift per day basis.

In addition to the core drills we had one Failing Hammer drill rig working in the same area. This rig worked one shift per day doing both hammer drilling of alaskite bed rock and rotary drilling through dump material. This rig drilled 1,268.0 feet. Of this 420.0 feet was dump material. The holes drilled with this rig were D-229, D-230, D-235 and hole D-231 down to the depth 371.0' at which point core drilling began.

A Failing rotary drill also completed cleaning Hole 217E started the previous month. A total of 353.4 feet was cleaned during the month, and 384 feet was cased.

Hole No.	Approx. Elevation	Approx. Coordinates North	East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu Total	N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
D-224	2,717.48	37,589.89	15,491.90	449.2	110.2	0.58	0.01	578.5	972.1	972.1
				911.7	45.7	0.41	Nil.			
D-228	2,767.54	38,043.63	14,863.68	127.7	36.1	0.57	0.01	563.5	646.5	646.5
				191.1	30.1	0.59	0.01			
				230.0	8.6	0.45	0.02			
				274.6	8.4	0.40	0.01			
				291.6	10.4	0.40	0.01			
				354.3	9.1	0.43	Nil			
				415.3	42.9	0.88	Nil			
				603.3	2.9	0.57	Nil			
D-229	2,718.34	37,425.10	15,751.25	64.0	70.0	0.60	0.03	224.0	224.0	224.0
				144.0	2.5	0.47	0.01			
				209.0	5.0	0.73	0.03			
D-230	2,767	37,086	14,938	110.0	20.0	0.48	Nil	297.0	297.0	297.0
				132.5	10.0	0.43	0.01			
				150.0	5.0	0.43	0.01			
				160.0	7.5	0.47	Nil			
				180.0	10.0	0.52	Nil			
				290.0	2.5	0.43	Nil			
D-231	2,791.54	37,751.74	15,247.39	125.0	115.0	1.17	0.05	756.4	756.4	
				295.0	45.0	0.46	0.01			
				350.0	25.0	0.52	0.009			

1201.5
3621.0

Hole No.	Approx. Elevation	Approx. Coordinates North	East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu Total	Avg. % Cu N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
D-232	2,728	38,352	14,866	82.9 226.9	57.9 4.7	0.43 1.46	0.03 Nil	361.0	361.0	361.0
D-233	2,775	37,735	14,685	No +0.4% Cu this interval				279.0	279.0	279.0
D-234	2,730	38,509	14,769	" " " " "				464.5	464.5	
D-235	2,767	38,043	14,680	Dump Material (Not sampled)				97.0	97.0	
217-E	2,749	37,875	15,472	Cleaned and cased to depth 384'						

1201.5

N. R. Nuttycombe
Resident Geologist

NRN:jca
cc: TASnedden
CFPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

July 3, 1967

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro-Daisy Shaft Area
Drilling Progress Report - June, 1967.

A total of 2,359.9' of diamond core drilling was done by two truck mounted rigs working in the El Tiro-Daisy Shaft area on a two-shift per day basis.

In addition to the core drills we had one Failing Hammer drill rig working in the same area. This rig worked one shift per day doing both hammer drilling of alaskite bed rock and rotary drilling through dump material. This rig drilled 1,268.0 feet. Of this 420.0 feet was dump material. The holes drilled with this rig were D-229, D-230, D-235 and hole D-231 down to the depth 371.0' at which point core drilling began.

A Failing rotary drill also completed cleaning Hole 217E started the previous month. A total of 353.4 feet was cleaned during the month, and 384 feet was cased.

Hole No.	Approx. Elevation	Approx. Coordinates North	East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu Total	Avg. % Cu N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
D-224	2,717.48	37,589.89	15,491.90	449.2	110.2	0.58	0.01	578.5	972.1	972.1
				911.7	45.7	0.41	Nil.			
D-228	2,767.54	38,043.63	14,863.68	127.7	36.1	0.57	0.01	563.5	646.5	646.5
				191.1	30.1	0.59	0.01			
				230.0	8.6	0.45	0.02			
				274.6	8.4	0.40	0.01			
				291.6	10.4	0.40	0.01			
				354.3	9.1	0.43	Nil			
				415.3	42.9	0.88	Nil			
				603.3	2.9	0.57	Nil			
D-229	2,718.34	37,425.10	15,751.25	64.0	70.0	0.60	0.03	224.0	224.0	224.0
				144.0	2.5	0.47	0.01			
				209.0	5.0	0.73	0.03			
D-230	2,767	37,086	14,938	110.0	20.0	0.48	Nil	297.0	297.0	297.0
				132.5	10.0	0.43	0.01			
				150.0	5.0	0.43	0.01			
				160.0	7.5	0.47	Nil			
				180.0	10.0	0.52	Nil			
				290.0	2.5	0.43	Nil			
D-231	2,791.54	37,751.74	15,247.39	125.0	115.0	1.17	0.05	756.4	756.4	
				295.0	45.0	0.46	0.01			
				350.0	25.0	0.52	0.009			

Hole No.	Approx. Elevation	Approx. Coordinates North	East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu Total	Avg. % Cu N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
D-232	2,728	38,352	14,866	82.9 226.9	57.9 4.7	0.43 1.46	0.03 Nil	361.0	361.0	361.0
D-233	2,775	37,735	14,685	No +0.4% Cu this interval				279.0	279.0	279.0
D-234	2,730	38,509	14,769	" " " " "				464.5	464.5	
D-235	2,767	38,043	14,680	Dump Material (Not sampled)				97.0	97.0	
217-E	2,749	37,875	15,472	Cleaned and cased to depth 384'						

N. R. Nuttycombe
Resident Geologist

NRN:jcs
cc: TASnedden
CPPollock A/M
REMeen
JNCourtright (2)
DRJameson (2)
File

(2)

S-1.1

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

June 5, 1967

J. H. C.
JUN 9 1967

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro-Daisy Shaft Area
Drilling Program Report - May, 1967

A total of 3,071.5 feet of diamond core drilling was done by two truck mounted rigs working in the El Tiro-Daisy Shaft on a two shift per day basis.

In addition to the two diamond drills starting on the 9th of May we had one truck mounted Failing rotary drill rig which worked one shift per day drilling and casing holes through dump material and cleaning out and casing old churn drill holes. This rig drilled 435 feet of dump material and cleaned and cased 881.6 feet of old churn drill holes.

Hole No.	Approx. Elevation	Approx. Coordinates North	Approx. Coordinates East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu Total	Avg. % Cu N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
D-219	2,736.56	37,704.65	15,382.87	875.1	43.8	1.53	0.02	190.9	1,065.0	1,065.
D-220	2,791.83	35,818.68	18,256.46	-	-	-	-	215.3	215.3	215.
D-221	2,626.03	37,004.57	15,994.48	10.0	162.4	0.67	Nil.	385.6	385.6	385.
D-222	2,762	38,198	15,486	104.2	10.9	0.42	Nil.	700.8	700.8	700.
				176.8	7.7	0.62	Nil.			
				295.6	26.0	0.60	0.006			
				398.0	22.7	0.42	Nil.			
D-223	2,775	38,038	14,500	100.2	46.8	0.53	Nil.	671.3	671.3	671
D-224	2,685	37,578	15,488	159.5	9.8	0.67	0.01	348.6	393.6	
				357.3	8.7	0.41	0.01			
D-225	2,775	37,731	14,501	-	-	-	-	128.1	219.1	219
D-226	2,772	37,887	14,771	123.3	102.7	0.58	0.04	260.7	365.7	365
				262.6	16.8	0.44	0.005			
D-227	2,750	37,731	14,862	111.7	21.0	0.50	0.01	170.2	246.2	246
							TOTAL	3,071.5		

2090.7
3621.0
~~6712~~
8743 - 19 holes.

DATA FOR DRILLING PROGRESS REPORT -

Failing Rotary Drill - May, 1967

Hole No.	Approx. Elevation	Approx. Coordinates North	East	Feet Drilled During Month	Depth End Mo.	Final Depth
P-10(D-228)	2,772	38,038	14,862	83.0	83.0	83.0
P-16(D-224)	2,685	37,578	15,488	45.0	45.0	45.0
P-19(D-225)	2,775	37,731	14,501	91.0	91.0	91.0
P-20(D-227)	2,750	37,731	14,862	76.0	76.0	76.0
P-8	2,765	37,731	15,041	35.0	35.0	-
P-25	7,772	37,888	14,771	105.0	105.0	105.0
			TOTAL	435.0' of dump material drilled.		
202-E	2,850.22	37,949.14	16,085.99	267.0		
203-E	2,785.77	38,236.67	15,725.76	290.0		
201-E	2,842.56	38,202.04	15,875.70	294.0		
217-E	2,728.71	37,872.96	15,669.16	30.6 (cleaned only)		
			TOTAL	881.6' of old churn drill holes, Cleaned and Cased.		

Nicholas R. Nuttycombe

Nicholas R. Nuttycombe
Resident Geologist

NRC:jca
cc: TASnedden
CPPollock A/M
REMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

May 4, 1967

J. H. C.
MAY 5 1967

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro and Battery Incline Areas
Drilling Program Report - April, 1967

A total of 2,050.7 feet of diamond core drilling was done by one truck mounted rig working in the El Tiro area and one truck mounted rig working in the Battery Incline Area, each operating two shifts per day. As of April 29, 1967 the rig working in the Battery Incline area was moved to the El Tiro area. The following results are available:

Hole No.	Approx. Elevation	Approx. Coordinates North	East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu Total	N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
-219	2,735.4	37,704.7	15,382.9	544.2	166.2	1.03	Nil.			
				744.4	82.9	1.25	Nil.			
				827.6	60.1	0.68	Nil.	468.7	874.1	
-24	2,708.18	28,433.7	33,033.6	No +0.4% Cu Lenses				87.4	170.4	170.4
-25	2,716.6	28,432.0	32,323.3	No +0.4% Cu Lenses				93.1	176.1	176.1
-26	2,380	25,416.2	42,738.5	No +0.4% "		"		515.7	515.7	515.7
-27	2,380	25,508.6	43,808.6	" "	"	"		501.5	501.5	501.5
-28	2,600	28,210	36,380	" "	"	"		191.5	191.5	191.5
-29	2,500	26,571	36,448	" "	"	"		192.8	192.8	192.8
						TOTAL		2,050.7		

James A. Briscoe
Exploration Geologist

JAB:jca

cc: TASnedden
CPPollock A/M
REMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

April 5, 1967

J.H.C
APR 13 1967

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro and Battery Incline Areas
Drilling Progress Report - March, 1967.

A total of 2,567.3 feet of diamond core drilling was done by one truck mounted rig working in the El Tiro area and either a skid or truck mounted rig working in the Battery Incline area, each operating two shifts per day. The following results are available:

Hole No.	Approx. Elevation	Approx. Coordinates North	Coordinates East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu Total	Avg. % Cu N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
D-87	3,080.9	36,799.6	19,398.5	2445.4	16.0	0.95	0.01	122.9	2564.4	2564.
D-218	2,715	37,880	20,000	29.0	43.6	0.97	0.67 ✓			
				72.6	27.1	0.55	0.11 ✓			
				138.1	40.1	0.78	0.01 ✓			
				206.7	33.0	0.95	0.01 ✓			
				253.5	14.6	0.65	0.01 ✓			
				285.0	73.9	0.88	Nil. ✓	842.0	842.0	842.
D-219	2,730	37,720	15,410	77.6	19.3	0.46	0.01	405.4	405.4	
G-18	2,550	27,050	35,120	No. +0.40% Cu lenses				139.5	139.5	139.
G-19	2,530	26,880	35,375	" " " "				159.6	159.6	159.
G-20	2,525	26,880	36,445	" " " "				265.8	265.8	265.
G-21	2,505	26,570	36,443	47.0	28.1	.75	0.08	180.0	180.0	180.
G-22	2,640	27,810	34,485	No. +0.40% Cu lenses				200.6	200.6	200.6
G-23	2,695	28,115	32,865	" " " "				168.5	168.5	168.5
G-24	2,705	28,430	33,045	Not yet available				83.0	83.0	
						Total		2567.3		

JAB:jca
cc: TASnedden
CPPollock A/M
REMeen
JHCourtright (2)
DRJameson (2)
File

James A. Briscoe
Geologist

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

March 3, 1967

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro and Battery Incline Area
Drilling Progress Report - February, 1967.

A total of 1611.5 feet of diamond core drilling was done by one truck mounted rig working in the El Tiro area and one skid mounted rig working in the Battery Incline area, each operating two shifts per day. The following results are available.

Hole No.	Approx. Elevation	Approx. Coordinates North	Coordinates East	+0.40% copper lenses Depth to Top	Thickness	Avg. % Cu Total	Avg. % Cu N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
G-15	2,708	28,125	33,580	110.1	24.4	.40	.03	215.7	215.7	215.7
G-16	2,648	28,125	33,225	84.4	9.5	.94	.02			
				142.3	8.2	.54	.01	191.0	191.0	191.0
G-17	2,697	28,270	32,595	54.4	37.2	.67	.04			
				123.3	9.2	.53	.01			
				144.2	7.8	.42	.01			
				177.6	7.7	.44	.01			
				193.8	7.7	.40	.01			
				596.6	9.9	.49	"			
				615.7	9.0	.42	"	654.3	654.3	654.3
D-87	3,080.9	36,799.6	19,398.5	1916.1	2.8	1.33	"			
				1961.0	4.1	.55	"	550.5	2441.5	
				2300.0	9.9	1.05	.01			
				2340.3	13.6	.88	.01			
				2379.3	9.5	.47	"			
			TOTAL					1611.5		

1629.2
2567.3
4198.0

Nicholas R. Nuttycombe
Nicholas R. Nuttycombe
Resident Geologist

NRN:jca

cc: TASnedden
CPPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

February 3, 1967

J.H.C.
FEB 6 1967

MEMORANDUM TO: Mr. D. R. Jamason, Superintendent

Subject: SILVER BELL UNIT - El Tiro and Battery Incline Area
Drilling Progress Report - January, 1967.

A total of 1,629.2 feet of diamond core drilling was done by one truck mounted rig working in the El Tiro area and one skid mounted rig working in the Battery Incline area, each operating two shifts per day. The following results are available:

Hole No.	Approx. Elevation	Approx. Coordinates North	Coordinates East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu Total	Avg. % Cu H.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
G-10	2,609.5	27,182.3	35,606.3	No +0.40% Cu lenses.				147.0	180.3	180.3
G-11	2,603.8	27,185.2	35,940.8	No +0.40% Cu lenses.				223.5	223.5	223.5
G-12	2,540.4	26,869.4	35,735.7	51.5'	51.9'	.84	.03	210.4	210.4	210.4
G-13	2,560.9	27,343.6	34,569.2	No +0.40% Cu lenses.				222.2	222.2	222.2
G-14	2,622	27,812	34,125	90.6'	7.6'	.53	.01	202.7	202.7	202.7
D-87	3,080.9	36,799.6	19,398.5	1401.3'	11.7'	.42	.01	623.4	1891.0	
				1442.4'	21.0'	1.47				
				1580.2'	10.0'	1.77	.01			
						Total		1,629.2		

Nicholas R. Nuttycombe
Nicholas R. Nuttycombe
Resident Geologist

NRN:jca

cc: TASnedden
CPPollock A/M
RMeen
JHCourtright (2)
DRJamason (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

January 3, 1967

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro and Battery Incline Area
Drilling Progress Report - December, 1966.

A total of 1,580.1 feet of diamond core drilling was done by one truck mounted rig working in the El Tiro area and one skid mounted rig working in the Battery Incline area, each operating two shifts per day. The following results are available:

Hole No.	Approx. Elevation	Approx. Coordinates North	Approx. Coordinates East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu Total	Avg. % Cu N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
G-6	2580.4	27321.6	34917.5	75.2	52.4	0.44	0.02	168.7	168.7	168.7
G-7	2564.8	27181.3	35239.7	69.6	59.6	1.26	0.06	223.1	223.1	223.1
G-8	2507.7	26986.7	37519.1	No +0.4% Cu in hole				184.3	184.3	184.3
G-9	2457.3	26237.6	38622.2	No +0.4% Cu in hole				216.4	216.4	216.4
G-10	2590	27189	35556	Assays not available				33.3	33.3	
D-87	3080.9	36799.6	19398.5	No +0.4% Cu lenses this inter.				754.3	1,267.6	
							Total	1,580.1		

James A. Briscoe
Geologist

JAB:jca

cc: TASnedden
CPPollock A/M
REMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

December 5, 1966

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro and Battery Incline Drilling
Progress Report - November, 1966

A total of 1,624.4 feet of diamond core drilling was done by one truck mounted rig working in the El Tiro area and one skid mounted rig working in the Battery Incline area, each operating two shifts per day. The following results are available:

Hole No.	Approx. Elevation	Approx. Coordinates North	East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu Total	N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
D-217	2598.8	40,252.9	14,867.2	No +0.40% Cu this interval				66.1	623.0	623.0
Re-entry D-17	3124.3	36,170.5	19,155.2	1247.6	13.7	1.36	0.04	669.1	1,582.4	1,582.4
				1280.4	25.5	.43	.01			
G-2	2657.9	28,357.4	34,243.5	No 0.40% Cu in hole				256.0	256.0	256.0
G-3	2760	28,200	32,170	" "	" "	"		236.0	236.0	236.0
G-4	2755	28,870	38,020	" "	" "	"		162.7	162.7	162.7
G-5	2590	27,540	34,610	88.0	38.4	0.76	0.03	234.5	234.5	234.5
							Total	1,624.4		

James A. Briscoe
Geologist

JAB:jca

cc: TASnedden
CFPollock A/M
REMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

November 2, 1966

J.H.C. NOV 4 1966

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro, North Butte and Battery Incline Drilling Progress Report - October, 1966

A total of 1,933.4 feet of diamond core drilling was done by one truck-mounted rig working in the El Tiro area and one skid-mounted rig working in the North Butte, and Battery Incline areas, each operating two shifts per day. The following results are available:

Hole No.	Approx. Coordinates North	East	Depth to Top	Thickness	Average % Cu Total	N.S.	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D-216	41,857.3	15,086.0	No +0.40% Cu lenses this inter.				373.6	915.2	915.2
D-217	40,260	14,885	No +0.40% Cu lenses this inter.				556.9	556.9	
D-151	30,250	23,550	No ore runs in hole				169.3	169.3	169.3
D-152	30,850	23,380	158.4	48.3	1.49	0.02	602.0	602.0	602.0
			233.6	27.9	0.44	Tr.			
			287.6	112.3	0.67	0.04	602.0	602.0	602.0
*G-1	26,725	35,010	No ore runs in hole				231.6	231.6	231.6
						Total	1,933.4		

* The G prefix will be used to designate holes drilled in the Battery Incline area east of Oxide Pit.

James A Briscoe

James A. Briscoe
Geologist

JAB:jca

cc: TASnedden
CRPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

November 2, 1966

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro, North Butte and Battery Incline Drilling Progress Report - October, 1966

A total of 1,933.4 feet of diamond core drilling was done by one truck-mounted rig working in the El Tiro area and one skid-mounted rig working in the North Butte, and Battery Incline areas, each operating two shifts per day. The following results are available:

Hole No.	Approx. Coordinates North	East	Depth to Top	Thickness	Average % Cu Total	N.S.	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D-216	41,857.3	15,086.0	No +0.40% Cu lenses this inter.				373.6	915.2	915.2
D-217	40,260	14,885	No +0.40% Cu lenses this inter.				556.9	556.9	
D-151	30,250	23,550	No ore runs in hole				169.3	169.3	169.3
D-152	30,850	23,380	158.4	48.3	1.49	0.02	602.0	602.0	602.0
			233.6	27.9	0.44	Tr.			
			287.6	112.3	0.67	0.04	602.0	602.0	602.0
*G-1	26,725	35,010	No ore runs in hole				231.6	231.6	231.6
						Total	1,933.4		

* The G prefix will be used to designate holes drilled in the Battery Incline area east of Oxide Pit.

James A. Briscoe
Geologist

JAB:jca

cc: TASnedden
CRPollock A/M
REMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

J.H.C.
OCT 10 1966

October 3, 1966

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro and North Butte Diamond Drilling Porgress Report - September, 1966:

A total of 1,441.6 feet of diamond core drilling was done by one truck-mounted rig working in the El Tiro area and one skid-mounted rig working in the North Butte area, each operating two shifts per day. The following results are available:

Hole No.	Approx. Elevation	Approx. Coordinates North	East	Depth to Top	Thickness	Average % Cu Total	N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
D-214	2653.9	40,710.4	16,776.8	413.2	16.8	0.47	0.01	123.0	377.9	377.9
D-215	2516.11	42,687.5	15,964.0	45.1	31.8	0.44	0.36			
				120.3	42.5	0.43	0.11	262.3	262.3	262.3
D-216	2561.28	41,857.3	15,086.0	No 0.40% Cu lenses this interval.				541.6	541.6	
F-149	3074.47	31,000.6	22,718.5	161.7	31.0	5.37	5.28 ✓			
				241.3	36.7	0.42	0.07 ✓	292.7	403.6	403.6
F-150	2850	30,000	23,000	5.0	63.9	1.39	1.16 ✓	222.0	222.0	222.0
						Total		1,441.6		

James A. Briscoe
Geologist

JAB:jca

cc: TASnedden
CPPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

J. H. C.

September 2, 1966

SEP 8 1966

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

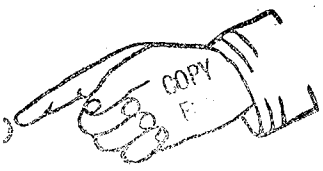
Subject: SILVER BELL UNIT - El Tiro and North Butte Drilling, Progress Report - August, 1966.

A total of 1,727.8 feet of diamond drilling was completed during the month of August by one truck-mounted rig and one skid-mounted rig, each operating two shifts per day. On the twenty-fourth of the month the skid rig was moved from the El Tiro to the North Butte area, west of Oxide Pit. The target in this area will be a chalcocite blanket thought to underlie favorable capping. The truck-mounted rig will remain in the El Tiro area, with its target being deep lying sediments underlying the dacite porphyry. The following results from the drilling are available:

				+0.40% Copper Lenses						
Hole No.	Approx. Elevation	Approx. Coordinates North	East	Depth to Top	Thickness	Avg. % Cu T.Cu	N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
D-207	2607.5	41,758.5	16,183.0	No 0.40% Cu lenses this inter.				51.0	255.7	255.7
D-208	2537.9	42,230.7	16,107.5	134.7	6.3	0.51	0.01	247.5	382.2	382.2
D-209	2645.6	41,456.5	16,380.8	No 0.40% Cu lenses				223.0	223.0	223.0
D-210	2615.1	41,932.7	15,911.4	102.6	14.7	1.12	0.94	331.7	331.7	331.7
D-211	2630	41,250	16,455	No 0.40% Cu lenses this inter.				173.0	173.0	173.0
D-212	2560	41,930	16,455	60.8	17.1	.73	.11	199.1	199.1	199.1
D-213	2590	41,613	16,635	No 0.40% Cu lenses				136.7	136.7	136.7
D-214	2655	40,717	16,750	82.7	52.2	.48	.03	254.9	254.9	
F-149	3060	30,990	22,720	Assays not available				110.9	110.9	
						Total		1,727.8		

James A. Briscoe
James A. Briscoe
Geologist

JAB:jca
cc: TASnedden
CPPollock A/M
REMeen
JHCourtright (2)
DRJameson (2)
File



AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

August 2, 1966

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro Diamond Drilling
Progress Report - July 1966.

A total of 1,888.8 feet of diamond drilling was done during the month of July by one truck-mounted rig and one skid-mounted rig, each operating two shifts per day. The following results are available:

Hole No.	Approx. Elevation	Approx. Coordinates North	East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu T.Cu	N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
D-200	2797.9	40,821.9	17,424.7	133.4	70.3	1.14	0.24	106.3	276.7	276.7
D-201	2742.7	40,044.1	17,145.7	No +0.40% copper lenses				205.0	205.0	205.0
D-202	2653.1	40,678.8	16,990.7	41.2	65.0	0.57	0.11	213.0	213.0	213.0
D-203	2713.8	40,980.7	17,718.8	86.7	18.0	0.78	0.05	223.8	223.8	223.8
D-204	2657.0	41,302.3	17,182.0	67.0	35.8	0.75	0.05	367.0	367.0	367.0
D-205	2642.9	41,305.8	16,813.1	No +0.40% copper lenses				202.3	202.3	202.3
D-206	2610.3	41,269.9	17,510.5	52.8	71.4	0.75	0.02	232.0	232.0	232.0
D-207	2605	41,770	16,189	70.7	67.5	0.78	0.01	204.7	204.7	
D-208	2540	42,242	16,090	44.0	Assays not available			134.7	134.7	
							Total	1,888.8		

James A. Briscoe
Geologist

JAB:jca

cc: TASnedden
CPPollock A/M
REMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

July 5, 1966

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro Diamond Drilling
Progress Report - June, 1966

A total of 2,247.9 feet of diamond drilling was done during the month o of June by one truck-mounted rig and one skid-mounted rig, each operating two shifts per day. The following results are available:

Hole No.	Approx. Elevation	Approx. Coordinates North	Approx. Coordinates East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu T. Cu	Avg. % Cu N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
D-192	2680.2	40,947.2	16,996.9	78	25	0.55	0.05	139.6	190.9	190.9
D-193	2909.7	39,577.19	18,012.0	141	87	0.61	0.01	279.0	305.0	305.0
D-194	2792.5	40,685.6	17,718.7	45	18	0.49	0.04			
				160	32	0.59	0.01	237.6	237.6	237.6
D-195	2868.5	39,434.9	17,374.8	28	19	0.51	0.24	247.4	247.4	247.4
D-196	2895.5	39,583.9	17,622.5	139	44	0.62	0.03	305.0	305.0	305.0
D-197	2742.9	40,682.8	17,363.1	74	58	0.76	0.11	248.9	248.9	249.9
D-198	2907.3	39,577.8	17,845.1	90	68	0.58	0.02			
				185	64	0.58	0.01	326.0	326.0	326.0
D-199	2712	40,210	17,450	69	46	0.65	0.07	294.0	294.0	294.0
D-200	2802	40,820	17,410	133	37	0.95	0.12	170.4	170.4	
							TOTAL	2,247.9		

James A. Briscoe
Geologist

JAB:jca

cc: TASnedden
CPPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

June 1, 1966

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro Diamond Drilling
Progress Report - May, 1966

A total of 2,281.2 feet of diamond drilling was done during the month of May by one truck-mounted rig and one skid-mounted rig, each operating two shifts per day. The following results are available:

Hole No.	Approx. Elevation	Approx. Coordinates North	East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu Total	N.S.	Feet Drill. During Mo.	Depth End Mo.	Final Depth
D-185	2985.7	39,432.6	17,756.3	162	35	0.68	0.02 ←	65.9	318.0	318.0
D-186	2921.4	39,902.5	17,960.3	No consecutive ore runs				320.2	320.2	320.2
D-187	2998.3	39,428.8	18,106.6	115	58	0.70	0.01 ←	305.6	305.6	305.6
D-188	2781.9	40,192.5	17,814.8	No consecutive ore runs				198.4	198.4	198.4
D-189	2802.8	40,338.6	18,074.6	92	33	0.59	0.05 ←	197.3	197.3	197.3
D-190	2736.5	40,975.8	17,358.2	114	63	0.85	0.14 ←	227.6	227.6	227.6
D-191	2749.8	40,026.5	17,547.7	68	52	0.75	0.14 ←	233.2	233.2	233.2
D-192	2675	40,980	17,000	Assays not available				51.3	51.3	
D-193	2900	39,580	18,000	Assays not available				26.0	26.0	
*F-147	2766.9	30,328.5	22,271.3	No ore runs				200.0	200.0	200.0
*F-148	3073.0	31,164.1	24,069.9	199	19	0.69	0.43			
				292	19	1.27	0.38	455.7	455.7	455.7
						TOTAL		2,281.2		

* Holes drilled for claim assesment work.

C. W. Haynes
Resident Geologist

CWH:jca
cc: TASnedden
CPPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

May 2, 1966

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro Diamond Drilling
Progress Report - April, 1966

A total of 2,036.7 feet of diamond drilling was done during the month of April by one truck-mounted rig and one skid-mounted rig, each operating two shifts per day. The following results are available:

Hole No.	Approx. Elevation	Approx. Coordinates North	Approx. Coordinates East	+0.40% Copper Lenses Depth To Top	Thickness	Avg. % Cu Total	Avg. % Cu N.S.	Feet Drill. During Mo.	Depth End Mo.	Final Depth
D-177	2792.6	39,753.6	17,377.4	95	88	0.64	0.05	18.1	213.3	213.3
D-178	2987.6	39,656.7	18,384.6	176	44	0.53	0.02	183.8	267.2	267.2
D-179	2720.1	40,352.8	17,672.8	56	60	0.54	0.03	200.2	200.2	200.2
D-180	2766.8	39,633.3	17,191.2	44	18	0.46	0.14			
				80	28	0.51	0.04			
				126	18	0.87	0.03	208.4	208.4	208.4
D-181	3115	39,020	17,060	344	39	0.75	0.01	382.8	382.8	382.8
D-182	2793.9	39,788.0	17,556.2	No ore runs				236.9	236.9	236.9
D-183	2697.2	40,352.5	17,521.6	56	22	0.73	0.07	274.4	274.4	274.4
D-184	2980	39,720	18,220	*95	67	0.57	0.02			
				*189	16	0.69	0.02			
		*Combined		95	110	0.53	0.01	280.0	280.0	280.0
D-185	2990	39,430	17,740	Assays not available				252.1	252.1	
							TOTAL	2,036.7		

C. W. Haynes
C. W. Haynes
Resident Geologist

CWH:jca
cc: TASnedden
CPPollock A/M
REMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

April 1, 1966

J. H. C.
APR 4 1966

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - March, 1966

A total of 2,170.2 feet of diamond drilling was done during the month of March by one truck-mounted rig and one skid-mounted rig, each operating two shifts per day. Drilling was completed in the West Oxide area with a total of 64 holes and 23,098.0 feet. The drills were then moved back to the El Tiro area for exploration around the northern flanks of Quartzite Peak. These holes will carry the "D" designation as used in the El Tiro-Imperial project and numbering of holes will continue, beginning with D-176. The following results for the month are available:

Hole No.	Approx. Elevation	Approx. Coordinates North	Approx. Coordinates East	+0.40% Cu Lenses Depth To Top	Thickness	Avg. % Cu Total	Avg. % Cu N.S.	Feet Drill. During Mo.	Depth End Mo	Final Depth
F-139	2945.7	29,256.7	24,812.6	No ore runs in hole				35.2	271.0	271.0
F-140	3005.3	29,065.0	25,001.9	146	37	0.43	Nil			
				203	34	0.65	0.02	124.5	411.1	411.1
F-141	2936.7	29,075.2	24,815.8	No ore runs				250.4	250.4	250.4
F-142	2873.0	30,084.0	26,093.1	5	20	0.50	0.14			
				107	68	0.47	0.02			
				202	27	0.50	0.02	265.0	265.0	265.0
F-143	2937.2	30,520.3	25,443.6	60	91	0.59	0.05	221.8	221.8	221.8
F-144	3059.1	28,952.5	24,182.8	No ore runs				302.7	302.7	302.7
F-145	2940.7	30,572.4	25,615.2	No ore runs				215.3	215.3	215.3
F-146	2955	30,625	25,325	90	27	0.64	0.13	209.0	209.0	209.0
D-176	2835	39,740	17,880	64	52	0.75	0.02	267.7	267.7	267.7
D-177	2780	39,780	17,285	Assays not available				195.2	195.2	
D-178	2985	39,660	18,410	Assays not available				83.4	83.4	
						Total		2,170.2		

2,132.7
2,458.9
6,756.2

23 holes

C. W. Haynes
Resident Geologist

CWH:jca
cc: TASnedden
CPPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

March 1, 1966

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - February, 1966.

A total of 2,327.1 feet of diamond drilling was done during the month of February by one truck-mounted rig and one skid-mounted rig, each operating two shifts shifts per day. The following results are available:

Hole No.	Approx. Elevation	Approx. Coordinates North	Approx. Coordinates East	+0.40% Cu Lenses Depth to Top	Thickness	Avg. % Cu T.	Avg. % Cu N.S.	Feet Drill. During Mo.	Depth End Mo.	Final Depth
F-132	2878.5	30,053.5	25,873.1	20	180	0.58	0.04 ✓	65.8	287.9	287.9
F-133	2918.6	30,394.6	25,364.3	54	37	0.48	0.23 ✓			
				122	29	5.06	0.24 ✓			
				176	32	0.57	0.02 ✓			
				235	18	0.73	0.02	93.2	269.6	269.6
F-134	2884.2	28,859.6	25,780.5	205	34	0.69	0.02 ✓	332.7	332.7	332.7
F-135	3001.1	29,377.0	24,929.6	87	164	0.67	0.07 ✓	387.1	387.1	387.1
F-136	2888.2	28,771.8	26,156.7	No ore runs				328.2	328.2	328.2
F-137	3010.7	29,241.1	24,984.7	143	136	0.85	0.03 ✓	350.6	350.6	350.6
F-138	2952.8	29,410.4	24,754.9	62	24	0.47	0.04	247.1	247.1	247.1
F-139	2920	29,250	24,800	Assays not available				235.8	235.8	
F-140	3005	29,065	25,005	Assays not available				286.6	286.6	
							Total	2,327.1		

C. W. Haynes
Resident Geologist

CWH:jca
cc: TASnedden
CPPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

February 2, 1966

J. H. C.

FEB 9 1966

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - January, 1966.

A total of 2,258.9 feet of diamond drilling was done during the month of January by one truck-mounted rig and one skid-mounted rig, each operating two shifts per day. The following results are available:

				+0.40% Cu Lenses						
Hole No.	Approx. Elevation	Approx. Coordinates North	East	Depth to Top	Thick ness	Avg. T.	% Cu N.S.	Feet Drill. During Mo.	Depth End Mo.	Final Depth
F-127	2990.9	29,676.4	25,371.5	99	79	0.67	0.08			
				317	16	0.45	0.01	351.1	356.1	356.1
F-128	2960.3	28,783.4	25,625.7	No ore runs				410.0	410.0	410.0
F-129	2969.5	28,615.9	25,589.3	No ore runs				354.0	354.0	354.0
F-130	3016.5	28,975.3	25,446.5	No ore runs				475.0	475.0	475.0
F-131	2880	30,290	25,680	18	74	0.57	0.21	270.3	270.3	270.3
F-132	2875	30,050	25,885	5	15	0.54	0.38			
				20	69	0.65	0.08	222.1	222.1	
F-133	2915	30,385	25,360	Assays not available				176.4	176.4	
							Total	2,258.9		

Note: A surveying error was found that affected the location of 3 holes reported last month. The following are the corrected coordinates.

	North	East	Elevation
F-122	29,300.6	25,531.8	2915.5
F-124	29,122.0	25,562.4	2927.5
F-126	28,938.1	25,613.0	2945.8

C. W. Haynes
Resident Geologist

CWH;jca

cc: TASnedden
CPPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

January 3, 1966

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - December, 1965

A total of 2,298.4 feet of diamond drilling was done during the month of December by one truck-mounted rig and one skid mounted rig, each operating two shifts per day. The following results are available.

Hole No.	Approx. Elevation	Approx. Coordinates North	Approx. Coordinates East	+0.40% Cu Lenses Depth to Top	Thickness	Avg. % Cu T.	Avg. % Cu N.S.	Feet Drill. During Mo.	Depth End Mo.	Final Depth
F-120	2878.3	29,037.7	25,719.2	No ore runs this interval				48.2	435.4	435.4
F-121	3082.6	29,301.4	25,188.4	142	28	0.47	0.01			
				207	16	0.63	0.01			
				268	19	0.41	0.01	364.8	364.8	364.8
F-122	2911.9	29,297.7	25,540.1	92	66	0.96	0.06	361.3	361.3	361.3
F-123	2986.3	29,347.6	25,363.0	109	18	0.46	0.01	280.0	280.0	280.0
F-124	2924.2	29,120.0	25,575.2	126	19	0.47	0.04			
				173	186	0.80	0.01			
				359	19	0.58	0.19*	377.6	377.6	377.6
F-125	2998.2	29,188.2	25,393.5	No ore column				335.2	335.2	335.2
F-126	2941.8	28,937.5	25,630.6	326	71	0.63	0.02	526.3	526.3	526.3
F-127	2980	29,675	25,375	No ore runs this interval				5.0	5.0	
							TOTAL	2,298.4		

2341
2019
1658

* Native copper in post-mineral andesite dike.

C. W. Haynes
C. W. Haynes
Resident Geologist

CWH:jca
cc: TASnedden
CPPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

J.H.C.
DEC 2 1965

December 1, 1965

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - November, 1965.

A total of 2,341.4 feet of diamond drilling was done during the month of November by one truck-mounted rig and one skid-mounted rig, each operating two shifts per day. The following results are available.

Hole No.	Approx. Elevation	Approx. Coordinates North	Approx. Coordinates East	+0.40% Cu Lenses Depth to Top	Thickness	Avg. % Cu T.	Avg. % Cu N.S.	Feet Drill. During Mo.	Depth End Mo.	Final Depth
F-114	3092.7	29,656.8	25,163.1	188	27	0.51	0.04			
				291	76	0.65	0.01	166.4	420.9	420.9
F-115	2964.9	29,538.6	25,381.3	79	95	1.08	0.05	328.7	328.7	328.7
F-116	2872.3	29,433.3	25,637.6	85	42	0.60	0.02	290.4	290.4	290.4
F-117	3092.3	29,601.3	24,950.3	105	167	0.77	0.03			
				340	74	0.49	0.01	430.1	430.1	430.1
F-118	2858.0	29,236.6	25,690.5	92	82	1.01	0.03			
				222	80	0.42	0.01	317.0	317.0	317.0
F-119	3095.8	29,432.1	25,087.8	161	103	0.91	0.02	421.6	421.6	421.6
F-120	2878.3	29,037.7	25,719.2	104	120	1.09	0.01			
				279	25	0.44	0.01	387.2	387.2	
						Total		2,341.4		

C. W. Haynes
Resident Geologist

CWH:jca
cc: TASnedden
CPPollock A/M
REMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

November 1, 1965

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - October, 1965

A total of 2022.0 feet of diamond drilling was done during the month of October by two rigs operating two shifts per day. The following results are available:

				+0.40% Copper Lenses						
Hole No.	Approx. Elevation	Approx. Coordinates N	E	Depth to Top	Thickness	Avg. %	% Cu Soluble	Feet Drill. During Mo.	Depth End Mo.	Final Depth
F-109	3066.5	29,635.7	24,499.3	No ore column				257.7	308.5	308.5
F-110	3005.6	29,812.3	25,403.7	118	138	0.65	0.02 ✓	354.6	354.6	354.6
F-111	3135.8	30,062.9	24,363.2	No ore runs in hole				381.0	381.0	381.0
F-112	3069.8	29,792.8	25,242.8	119	135	0.68	0.03 ✓			
				282	35	0.76	0.05 ✓	368.2	368.2	368.2
F-113	3107.8	29,717.9	24,320.3	292	22	0.45	0.04			
				333	18	0.46	0.02	406.0	406.0	406.0
F-114	3095	29,660	25,165	Assays not available				254.5	254.5	
							TOTAL	2,022.0		

C. W. Haynes
Resident Geologist

CWH:jca
cc: TASnedden
CPPollock A/M
REMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

October 1, 1965

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - September, 1965.

A total of 2,269.4 feet of diamond drilling was done during the month of September by two rigs operating two shifts per day. The following results are available:

Hole No.	Approx. Elevation	Approx. Coordinates N.	E.	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu T.	N.S.	Feet Drill. During Mo.	Depth End Mo.	Final Depth
F-102	3007.0	30,051.5	25,268.3	79	52	0.41	0.14			
				132	45	0.56	0.10	267.0	300.0	300.0
F-103	3143.9	29,782.8	24,499.2	53	39	0.90	0.05			
				214	73	0.41	0.05			
				342	45	0.42	0.01	344.8	448.4	448.4
F-104	3075	29,985	24,130	115	139	0.44	0.10	379.5	379.5	379.5
F-105	2980	29,930	25,450	104	59	0.86	0.06	319.9	319.9	319.9
F-106	3030	30,150	24,200	No ore runs in hole				268.0	268.0	268.0
F-107	2930	30,100	25,550	5	74	0.95	0.74			
				106	28	0.47	0.04	311.3	311.3	311.3
F-108	3030	29,580	24,755	52	27	0.78	0.05			
				133	18	0.66	0.12	328.1	328.1	328.1
F-109	3040	29,580	24,510	Assays not available				50.8	50.8	
							TOTAL	2,269.4		

C. W. Haynes
Resident Geologist

CWH:jca
cc: TASnedden
CPPollock A/M
REMeen
JHCourtright (2)
DRJameson (2)
File

2269.4
2423.9
2536.4
7230.0
51
7179.0

19 holes

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

J. H. C.
SEP 3 1965

September 1, 1965

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - August, 1965

A total of 2423.9 feet of diamond drilling was done during the month of August by two rigs operating two shifts per day. The following results are available:

Hole No.	Approx. Elevation	Approx. Coordinates N.	E.	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu T	N.S.	Feet Drill. During Mo.	Depth End Mo.	Final Depth
F-96*	3207.4	29,761.5	24,901.7	66	206	0.67	0.46			
				271	164	0.68	0.08	280.8	445.0	445.0
F-97	2741.1	29,660	26,880	148	18	0.44	0.01	388.4	440.0	440.0
F-98**	3207.4	29,761.5	24,901.7	60	101	0.41	0.32			
				161	180	0.85	0.05			
				378	47	1.39	0.27	425.0	425.0	425.0
F-99	3120	29,970	24,710	155	80	0.54	0.06			
				365	27	0.42	0.03	425.6	425.6	425.6
F-100	3025	30,110	25,025	188	66	0.81	0.04	361.5	361.5	361.5
F-101	3130	30,000	24,550	5	83	0.47	0.33			
				88	84	0.89	0.04			
				292	36	0.46	0.03	406.0	406.0	406.0
F-102	3010	30,050	25,280	Assays not available				33.0	33.0	
F-103	3140	29,770	24,465	Assays not available				103.6	103.6	
							TOTAL	2,423.9		

* This is an angle hole. Bearing is due East. Dip is -55 degrees.
** This is an angle hole. Bearing is due West. Dip is -65 degrees.

C. W. Haynes
Resident Geologist

CWH:jca
cc: TASnedden
CPPollock A/M
REMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

August 2, 1965

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - July, 1965

A total of 2,536.4 feet of diamond drilling was done during the month of July by two rigs operating two shifts per day. The following results are available:

Hole No.	Approx. Elevation	Approx. Coordinates N.	E.	+0.40% Cu Lenses Depth to Top	Thickness	Avg. % Cu T	N.S.	Feet Drill. During Mo.	Depth End Mo.	Final Depth
F-90	2935.3	30,795.1	24,885.3	No ore runs in hole				110.9	222.5	222.5
F-91	3144.8	29,879.8	24,895.9	39	— 157	0.78	0.16	476.7	476.7	476.7
F-92	2745.4	30,106.9	27,173.4	No ore runs in hole				346.5	346.5	346.5
F-93*	2700.9	29,605	27,402	38	— 78	0.46	0.01			
				152	28	0.53	Tr.			
				206	27	0.57	0.01			
				427	30	0.45	0.01	457.1	457.1	457.1
F-94	3207.4	29,761.5	24,901.7	32	18	0.68	0.54			
				145	— 164	0.74	0.10			
				367	26	0.60	0.01	476.3	476.3	476.3
F-95*	2700.1	29,520	28,220	5	— 69	1.01	0.02	453.1	453.1	453.1
F-96**	3207.4	29,761.5	24,903.7	Assays not available				164.2	164.2	
F-97*	2741.1	29,660	26,880	Assays not available				51.6	51.6	
							TOTAL	2,536.4		

* F-93 has same coordinates as CDH 11
* F-95 " " " " CDH 30
* F-97 " " " " CDH 46
** This is an angle hole. Bearing is Due East. Dip is -55 degrees.

C. W. Haynes
C. W. Haynes
Resident Geologist

CWH:jca
cc: TASnedden
CPPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

July 7, 1965

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Corrected Progress Report - June, 1965.

The following is the corrected progress report for June. A total of 1,926.3 feet of diamond drilling was done during the month of June by two rigs operating two shifts per day. The following data are available:

Hole No.	Approx. Elevation	Approx. Coordinates N.	E	+0.40% Cu Lenses Depth To Top	Thickness	Avg. % Cu T.	N.S.	Feet Drill. During Mo.	Depth End Mo.	Final Depth
F-84*	3247.8	28,744.6	28,455.0	No ore runs this interval				46.2	651.0	651.0
F-85	2924.3	30,259.1	25,929.7	No ore runs this interval				224.1	500.3	500.3
F-86**	3149.4	28,572.4	27,716.1	60	118	0.65	0.02			
				221	47	0.44	0.01	408.0	408.0	408.0
F-87	2916.8	30,480.3	25,210.5	24	58	0.92	0.65			
				117	37	0.53	0.40			
				153	54	0.50	0.03	500.0	500.0	500.0
F-88	2954.3	30,307.9	25,119.2	No ore runs in hole				294.7	294.7	294.7
F-89	2951.1	30,629.2	24,878.5	20	18	0.49	0.16			
				211	19	0.44	0.05	341.7	341.7	341.7
F-90	2925	30,830	24,880	No ore runs this interval				111.6	111.6	
						TOTAL		1,926.3		

111.6

* This is an inclined hole. Average bearing is Due South. Average dip is -65 degrees
** This is an inclined hole. Average bearing is Due South. Average dip is -60 degrees.

C. W. Haynes
Resident Geologist

CWH:jca
cc: TASnedden
CPPollock A/M
RHMeen
JHCourtright (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

July 7, 1965

J. H. C.
JUL 8 1965

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Corrected Progress Report - June, 1965.

The following is the corrected progress report for June. A total of 1,926.3 feet of diamond drilling was done during the month of June by two rigs operating two shifts per day. The following data are available:

Hole No.	Approx. Elevation	Approx. Coordinates N.	E	+0.40% Cu Lenses Depth To Top	Thickness	Avg. % Cu T.	Avg. % Cu N.S.	Feet Drill. During Mo.	Depth End Mo.	Final Depth
F-84*	3247.8	28,744.6	28,455.0	No ore runs this interval				46.2	651.0	651.0
F-85	2924.3	30,259.1	25,929.7	No ore runs this interval				224.1	500.3	500.3
F-86**	3149.4	28,572.4	27,716.1	60	118	0.65	0.02			
				221	47	0.44	0.01	408.0	408.0	408.0
F-87	2916.8	30,480.3	25,210.5	24	58	0.92	0.65			
				117	37	0.53	0.40			
				153	54	0.50	0.03	500.0	500.0	500.0
F-88	2954.3	30,307.9	25,119.2	No ore runs in hole				294.7	294.7	294.7
F-89	2951.1	30,629.2	24,878.5	20	18	0.49	0.16			
				211	19	0.44	0.05	341.7	341.7	341.7
F-90	2925	30,830	24,880	No ore runs this interval				111.6	111.6	
						TOTAL		1,926.3		

* This is an inclined hole. Average bearing is Due South. Average dip is -65 degrees
** This is an inclined hole. Average bearing is Due South. Average dip is -60 degrees.

C. W. Haynes
Resident Geologist

CWH:jca
cc: TASnedden
CPPollock A/M
REMeen
JHCourtright (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

June 1, 1965

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - May, 1965.

A total of 2,023.6 feet of diamond drilling was done during the month of May by two rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coordinates N.	E.	+0.04% Copper Lenses Depth to Top	Thickness	Avg. % Cu T.	N.S.	Feet Drill. During Mo.	Depth End Mo.	Final Depth
F-81*	3260.2	28,739.0	28,663.9	No ore runs this interval				287.1	597.5	597.5
F-82	2935.0	30,208.7	25,363.9	40	18	0.61	0.42			
				94	31	1.10	0.11			
				171	56	0.59	0.02	357.0	385.2	385.2
F-83	2875	30,150	25,770	44	51	0.48	0.32			
				131	130	0.83	0.03	498.5	498.5	498.5
F-84**	3247.8	28,744.6	28,455.0	324	83	0.66	0.03			
				471	80	0.60	0.02	604.8	604.8	
F-85	2925	30,260	25,945	62	18	0.52	0.06	276.2	276.2	
						TOTAL		2,023.6		

* This is an inclined hole. Average bearing is Due South. Average dip is -50 degrees.
** This is an inclined hole. Average bearing is Due South. Average dip is -65 degrees.

Charles W. Haynes
Resident Geologist

CWH:jca

cc: TASnedden
CPPollock A/M
REMeen
JHCourtright (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

May 3, 1965

J. H. C.
MAY 10 1965

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - April, 1965

A total of 2,335.7 feet of diamond drilling was done during the month of April by two rigs operating two shifts per day. The following assay results are available.

Hole No.	Approx. Elevation	Approx. Coordinates N.	E.	+0.40% Copper Lenses Depth to Top	Thick-ness	Avg. T.	% Cu N.S.	Feet Drill During Mo.	Depth End Mo.	Final Depth
F-75**	3242.0 E	28,714.9	28,855.2	266	18	0.44	0.02	14.1	386.4	386.4
F-76	3130.9 west	29,785.3	24,666.8	67	156	0.86	0.19			
				287	56	0.73	0.04			
				361	27	0.41	0.01			
				486	27	0.54	0.01	259.4	548.3	548.3
F-77**	3260.2 E	28,739.0	28,663.9	133	144	0.62	0.02			
				331	75	0.47	0.02			
				444	16	0.49	0.04	623.5	623.5	623.5
F-78	3082.5 west	29,917.2	25,145.6	9	28	0.83	0.70			
				105	33	0.47	0.03	321.8	321.8	321.8
F-79	3070.7 west	30,183.0	24,550.7	No ore runs in hole				405.8	405.8	405.8
F-80	3005 "	30,285	24,875	16	18	0.56	0.24			
				62	33	0.50	0.26	372.5	372.5	372.5
F-81***	3260.2 E	28,739.0	28,663.9	137	18	0.53	0.04			
				182	18	0.55	0.02	310.4	310.4	
F-82	2940	30,185	25,370	Assays not available				28.2	28.2	
						Total		2,335.7		

14.1
2321.6

2321.6
2023.6
1814.7
6159.9
6160

* This is an inclined hole. Average bearing is Due South. Average dip is -49°
** " " " " " " " " " " " " " -64°
*** " " " " " " " " " " " " " -50°

C. W. Haynes
C. W. Haynes
Resident Geologist

CWH:jca
cc: TASnedden RBMeen
CPPolock A/M JHCourtright (2) DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

MR. W.E.S. April 1, 1965

J. H. C.
APR 5 1965

READ AND RETURN ____
PREPARE ANSWERS ____ HANDLE ✓
FILE ____ INITIALS ____

W.E.S.
APR 5 1965

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - March, 1965

A total of 1,887.0 feet of diamond drilling was done during the month of March by two rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coordinates N.	E.	+0.40% Copper Ingress Depth to Top	Thickness	Avg. T.	% Cu N.S.	Feet Dril. During Mo.	Depth End Mo.	Final Depth
F-71*	3243.0	28,714.9	28,855.3	131	124	0.55	0.02			
				370	26	0.75	0.02			
				508	28	0.55	0.02			
				550	76	0.57	0.02	505.9	704.4	704.4
F-72	3068.8	29,083.2	28,916.6	No ore runs in hole.				116.3	301.0	301.0
F-73	3020.1	30,207.4	29,148.9	" " " " "				190.7	190.7	190.7
F-74	2910	30,315	25,550	135 Sediments	97	1.06	0.04	412.9	412.9	412.9
F-75**	3243.0	28,714.9	28,855.3	Assays not available				372.3	372.3	
F-76	3140	29,780	24,670	67	81	0.68	0.09	288.9	288.9	
		between wild hog & Cu buttes		67	156	.84 / .19		Total	1,887.0	
		west side of wild hog butte		287	56	.73 / .04				
				below 343		.29 to .42	CuFeS2			

* This is an inclined hole. Average bearing is due South. Average dip is -65 degrees.

** This is an inclined hole. Approx bearing is due South. Approx dip is -50 degrees.

exclude F-76

C. W. Haynes
Resident Geologist

CWH:jea

cc: [redacted]

— quarterly rpt
☐ monthly rpt.

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

March 1, 1965

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - February, 1965

A total of 1,511.7 feet of diamond drilling was done during the month of February by the two rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coordinates N.	Approx. Coordinates E	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu. T.	Avg. % Cu. N.S.	Feet Drill. During Mo.	Depth End Mo.	Final Depth
F-68	3191.5	28,573.1	29,070.3	247 316	31 19	0.47 0.59	0.02 0.03	348.9	485.5	485.5
F-69	3140	28,770	29,195	160	109	0.56	0.02	371.1	371.1	371.1
F-70	3130	28,610	29,205	210 317	80 91	0.54 0.48	0.02 0.02	408.5	408.5	408.5
F-71*	3243	28,715	28,855	Assays not available				198.5	198.5	
F-72	3060	29,090	28,920	"	"	"		184.7	184.7	
							Total	1,511.7		

* This is an inclined hole. Approx. bearing us due South; approx. angle is -65°.

Charles W. Haynes
Resident Geologist

CWH:jca

cc: TASnedden
CPPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT

MR. W.E.S.
READ AND RETURN
PREPARE ANSWERS ___ HANDLE ___
FILE ✓ INITIALS ___

Silver Bell, Arizona

February 1, 1965

J. H. C.
FEB - 8 1965

W.E.S.
FEB 12 1965

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - January, 1965

A total of 1,700.6 feet of diamond drilling was done during the month of January by two rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coordinates N.	E.	+0.04% Copper Lenses Depth to Top	Thickness	Avg. T.	% Cu N.S.	Feet Drill. During Mo.	Depth End Mo.	Final Depth
F-64	3243.0	28,717.4	28,852.3	403	216	0.54	0.02 ✓	118.5	618.6	618.6
F-65	3157.1	28,794.7	28,976.9	87	239	0.60	0.02 ✓	543.0	543.0	543.0
F-66	3236.2	28,622.7	28,928.9	134	67	0.83	0.05 ✓			
				242	23	0.62	0.02 ✓			
				308	177	0.58	0.02 ✓			
				522	80	0.62	0.02 ✓	629.5	629.5	629.5
F-67	3095.8	28,878.5	29,093.3	94	17	0.56	0.04 ✓	273.0	273.0	273.0
F-68	3191.5	28,573.1	29,070.3	Assays not available				136.6	126.6	
						Total		1,700.6		

5099

Charles W. Haynes
Resident Geologist

CWH:jca
CH
cc: TASnedden
CPPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

January 4, 1965

J. H. C.
JAN 8 1965

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - December 1964.

A total of 2,116.3 feet of diamond drilling was done during the month of December by two rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coordinates N	E	Depth to Top	Thick-ness	Avg. % Cu T.	N.S.	Feet Drill. During Mo.	Depth End Mo.	Final Depth
F-58	3208.2	28,859.9	28,593.5	No ore runs this interval				29.3	418.3	418.3
F-59		Reported last month.								
F-60	3116.8	29,130.0	28,620.6	81	112	0.61	0.02			
				321	51	0.59	0.02	352.3	414.7	414.7
F-61	3223.1	28,800.6	28,768.3	177	217	0.63	0.02	557.9	557.9	557.9
F-62	3039.5	29,271.1	28,766.2	100	112	0.60	0.03	323.0	323.0	323.0
F-63	3131.6	28,946.6	28,711.0	35	150	0.45	0.02	353.7	353.7	353.7
F-64	3243.0	28,717.4	28,852.3	190	188	0.50	0.01			
				403	97	0.53	0.02	500.1	500.1	
						TOTAL		2,116.3		

C. W. Haynes
Resident Geologist

CWH:jca

cc: TASnedden
CPPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)

2116
980
1878
4,974
16 holes

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

December 1, 1964

J. H. C.
DEC 2 1964

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - November, 1964

A total of 1,542.3 feet of diamond drilling was done during the month by two rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coordinates N.	E.	+0.04% Copper Lenses Depth to Top	Thickness	Avg. T.	% Cu N.S.	Feet Drill. During Mo.	Depth End Mo.	Final Depth
F-53	3260.2	28,737.2	28,663.1	286	135	0.76	0.02	239.6	573.8	573.8
F-54	-	-	Reported last month							
F-55	2979.0	30,009.3	28,793.1	90	64	0.80	0.30	181.3	214.9	214.9
F-56	2980.2	30,004.0	29,357.2	123	19	0.66	0.02	229.0	229.0	229.0
F-57	2944.3	29,929.0	29,020.6	99	61	0.58	0.06	232.0	232.0	232.0
F-58	3208.2	28,860.0	28,593.5	147	125	0.60	0.04	389.0	389.0	
F-59	2914.1	29,778.3	28,951.6	67	92	0.56	0.06	209.0	209.0	209.0
F-60	3120	29,115	28,755	No ore runs this interval				62.4	62.4	
						Total		1,542.3		

562
980

C. W. Haynes
Resident Geologist

CWH:jca

cc: TASnedden
CPPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

November 2, 1964

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - October, 1964

A total of 1,911.5 feet of diamond drilling was done during the month by two rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coordinates N.	E.	+0.40% Copper Lenses Depth to Top	Thickness	Avg. T.	Avg. % Cu N.S.	Feet Drill. During Mo.	Depth End Mo.	Final Depth
F-48	3130.5	28,489.5	27,414.0	171	28	0.43	0.01			
				252	17	0.47	0.01	147.0	370.6	370.6
F-49	3056.3	30,309.0	28,666.0	94	154	1.17	0.14 ✓	242.1	286.1	286.1
F-50	3256.5	28,686.6	28,298.6	142	18	0.51	0.06			
				200	26	0.54	0.02	430.8	430.8	430.8
F-51	2995.0	30,178.8	28,802.2	97	14	0.73	0.03			
				195	18	0.43	0.01	229.6	229.6	229.6
F-52	2992.8	29,999.8	28,643.7	97	101	0.63	0.13 ✓	269.2	269.2	269.2
F-53	3260.2	28,737.2	28,663.1	26	57	0.98	0.05			
				286	Assays not available			334.2	334.2	
F-54	3044.2	30,410.5	28,785.9	No ore runs this interval				225.0	225.0	225.0
F-55	2980	30,010	28,790	No ore runs this interval				33.6	33.6	
							TOTAL	1,911.5		

1878

F-45 3077.4 30,368.1 28,505.8*
F-47 3030.3 30,356.6 28,308.9*
*Corrected coordinates for last month's letter.

Charles W. Haynes
Resident Geologist

CWH:jca
cc: TASnedden
CPPollack A/M
RBMeen
JHCourtright (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

J.H.C.

October 1, 1964

OCT 2 1964

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - September, 1964

A total of 1,646.2 feet of diamond drilling was done during the month by two rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coordinates N.	Approx. Coordinates E.	+ 0.40% Copper Lenses: Depth to Top	Thickness	Avg. % Cu: T.	Avg. % Cu: N.S.	Feet Drill During Mo.	Depth End Mo.	Final Depth
F-43	3063.5	30,210.4	28,559.8	374	21	0.45	Tr	67.2	432.0	432.0
F-44	3155.1	28,688.3	27,898.3	226	133	0.53	0.02	377.4	383.4	383.4
F-45	3030.3	30,356.6	28,308.9	No ore runs this interval				328.7	328.7	328.7
F-46	3149.4	28,572.4	27,716.1	148	104	0.57	0.04			
				278	29	0.40	0.01	386.9	386.9	386.9
F-47	3077.4	30,368.1	28,505.8	No ore runs this interval				218.4	218.4	218.4
F-48	3130.5	28,489.5	27,414.0	Assays not available				223.6	223.6	
F-49	3060	30,300	28,660	No ore runs this interval				44.0	44.0	
						TOTAL		1,646.2		

CWH:dm

cc: TASnedden
CPPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)

Charles W. Haynes
Resident Geologist

AMERICAN [redacted] AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

September 1, 1964

58 71/58 406/418

J.H.C. SEP 16 1964

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - August, 1964

A total of 1,780.9 feet of diamond drilling was done during the month by two rigs operating two shifts per day. The following assay results are available:

(1) Hole No.	Approx. Elevation	Approx. Coordinates N.	Coordinates E	(2) +0.40% Copper Lenses Depth to Top	(3) Thickness	(4) Avg. % T.	(5) % Cu N.S.	Feet Drill. during Mo.	Depth End Mo.	Final Depth
✓ F-39	3159.9	28,976.1	28,518.7	No ore runs this interval				394.5	394.5	394.5
✓ F-40	3012.7	29,550.7	28,762.2	123	189	0.89	0.03	282.8	353.0	353.0
✓ F-41	2980	30,075	28,935	113	15	0.49	0.04	325.4	325.4	325.4
✓ F-42	3160	28,895	28,390	81	27	0.57	0.05			
				153	184	0.69	0.03	407.4	407.4	407.4
✓ F-43	3070	30,210	28,550	95	175	1.15	0.11	364.8	364.8	
F-44	3200	28,650	27,920	No ore runs this interval				6.0	6.0	
							TOTAL	1,780.9		

omit F-44

1646.2
1819.5
3466.6

Charles W. Haynes
Resident Geologist

CWH:jca

cc: TASnedden
CFPolleck A/M
REMeen
JHCourtright (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

file

August 3, 1964

W.E.S.
AUG 10 1964

J.H.C.
SEP 16 1964

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - July, 1964.

A total of 1,819.5 feet of diamond drilling was done during the month by two rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coordinates N.	E	+0.40% Copper Lenses Depth to Top	Thickness	Avg. T.	% Cu N.S.	Feet Drill. during Mo.	Depth End Mo.	Final Depth
F-33	3097.6	28,721.8	27,774.2	192	61	0.96	0.09	60.0	349.6	349.6
F-34	2939.0	29,538.5	28,914.3	91	79	0.98	0.02	275.0	275.0	275.0
F-35	3137.2	28,785.7	28,002.7	176	55	0.45	0.02			
				318	25	1.53	0.04	400.6	400.6	400.6
F-36	2940.5	29,774.5	28,825.3	No ore runs this interval				215.0	215.0	215.0
F-37	3185.0	28,803.6	28,271.5	86	58	0.71	0.04	445.0	445.0	445.0
F-38	3015.5	30,118.6	28,648.2	32	66	1.02	0.42			
				99	105	1.06	0.10	325.0	325.0	325.0
F-39	3170	28,970	28,540	No ore runs this interval				28.7	28.7	
F-40	3012.7	29,550.7	28,762.2	Assays not available				70.2	70.2	
							TOTAL	1,819.5		

Charles W. Haynes
Resident Geologist

CWH:jca

cc: TASnedden
CPPollack A/M
RBMeen
JHCourtright (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

RECEIVED
JUL 6 1964
W.E.S.
JUL 9 1964
J.H.C.
JUL 23 1964

July 1, 1964

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project

Progress Report - June, 1964

A total of 1,887.7 feet of diamond drilling was completed with two rigs operating two shifts per day for the month. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coordinates N.	E	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu T	N.S.	Ft. Drill. during Mo.	Depth End Mo.	Final Depth
F-27	2955.0	28,758.9	27,089.2	No ore runs this interval				324.4	400.0	400.0
F-28	2906.8	29,808.4	29,446.1	No ore runs this interval				193.0	197.0	197.0
F-29	3033.0	28,699.4	27,348.2	70	51	0.47	0.01			
				179	150	0.46	0.01	367.1	367.1	367.1
F-30	2920.4	29,676.5	29,703.3	No ore runs this interval				202.0	202.0	202.0
F-31	3070	28,675	27,540	166	36	0.55	0.04	342.0	342.0	342.0
F-32	2890	29,440	29,720	No ore runs this interval				169.4	169.4	169.4
F-33	3110	28,715	27,785	192	Assay not available			289.8	289.8	
							TOTAL	1,887.7		

Charles W. Haynes
Resident Geologist

CWH:jca

cc: TASnedden
CPPollack A/M
RBMeen
JHCourtright (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

June 1, 1964

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project

Progress Report - May, 1964

A total of 1,445.2 feet of diamond drilling was completed with two rigs operating two shifts per day for the entire month. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coordinates N.	E	+0.40% Copper Lenses Depth to Top	Thickness	Avg. T.	% Cu N.S.	Ft. Drilled during Mo.	Depth End Mo.	Final Depth
F-22	2982.4	29,969.3	29,176.3	74	99	0.59	0.04	229.7	229.7	229.7
F-23	2975.0	28,845.7	27,476.9	66	68	1.29	0.11	346.8	346.8	346.8
F-24	2855.7	29,343.2	29,463.1	23	105	0.52	0.03	234.4	234.4	234.4
F-25	2970.7	28,843.4	27,262.4	125	28	0.48	0.01	326.9	326.9	326.9
F-26	2840	29,210	29,625	44	33	0.46	0.01	227.8	227.8	227.8
F-27	2955	28,755	27,090	No ore runs this interval				75.6	75.6	
F-28	2890	29,785	29,400	No ore runs this interval				4.0	4.0	
							Total	1,445.2		

Charles W. Haynes
Resident Geologist

CWH:jca

cc: TASnedden
CPPollack A/M
RBMeen
JHCourtright (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

May 1, 1964

J. H. C.
MAY 4 .. 1964

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project

Progress Report - April 1964

A total of 1,515.6 feet of diamond drilling was completed with two rigs operating two shifts per day for the entire month. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coordinates N	E	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu T.	N.S.	Ft. Drilled during Mo.	Depth End Mo.	Final Depth
F-17	2917.6	29,774.8	29,232.0	104	48	0.90	0.03	219.9	256.3	256.3
F-18	3034.4	28,827.1	27,638.9	185	78	1.06	0.09			
				333	16	0.69	0.01	373.3	373.3	373.3
F-19	2890.8	29,650.9	29,290.2	85	47	0.42	0.02	276.2	276.2	276.2
F-20	3069.4	28,867.3	27,878.1	170	109	0.53	0.02	373.0	373.0	373.0
F-21	2892.3	29,535.6	29,489.1	85	13	0.64	0.06	273.2	273.2	273.2
							Total	1,515.6		

Charles W. Haynes
Resident Geologist

CWH:jca

cc: TASnedden
CPPollack A/M
RMeen
JHCourtright (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

April 3, 1964

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Pit Drilling Project

Progress Report - March, 1964.

A total of 2,305.1 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coordinates N.	E	+0.40% Cu Lenses Depth to Top	Thickness	Avg. % Cu T.	Avg. % Cu N.S.	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
F-10	2927.1	29,302.8	29,259.5	97	27	0.50	0.01			
				147	16	0.99	0.04	271.4	342.3	342.3
F-11	2924.8	29,876.7	28,916.3	14	17	0.50	0.15			
				66	55	0.45	0.05	163.6	248.4	248.4
F-12	2893.7	29,622.0	29,151.2	57	127	0.88	0.06	385.7	385.7	385.7
F-13	3028.5	29,264.6	28,952.4	No ore runs this interval				380.4	380.4	380.4
F-14	2886.7	29,480.0	29,308.9	82	185	1.19	0.03	359.0	359.0	359.0
F-15	3135.6	28,884.5	28,098.6	139	252	0.81	0.01	426.6	426.6	426.6
F-16	2920.8	29,802.1	29,083.8	134	62	0.81	0.05	282.0	282.0	282.0
F-17	2917.6	29,774.8	29,232.0	No ore runs this interval				36.4	36.4	
							TOTAL	2,305.1		

Charles W. Haynes
Resident Geologist

CWH:jca

cc: TASnedden
CPPollack A/M
RBMeen
JHCourtright (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

March 2, 1964

J.H.C.
MAR 10 1964

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Pit Drilling Project

Progress Report - February, 1964

A total of 1 844.8 feet of core drilling was completed with two rigs operating two-shifts per day for the entire month. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coordinates N.	Approx. Coordinates E.	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu T.	Avg. % Cu N.S.	Feet Drilled During Month	Depth End Mo.	Final Depth
F-5	3084.5	29,097.6	28,724.3	278	28	0.40	0 02	78.4	379.4	379 4
F-6	3221.1	28,690 8	28,120 5	234	68	0.46	0 02	475.0	475.0	475.0
F-7	3024.3	29 407.8	28,784.3	112	133	0.69	0.01			
				290	69	0.46	0.01			
				408	16	0 45	0.01	423.7	423.7	423.7
F-8	3007.3	29 091.3	29,233.4	169	33	0.40	0.01	400.0	400.0	400.0
F-9	2936.5	29 628.9	28,911.0	122	93	0.43	0.04	312.0	312.0	312.0
F-10	2927.1	29,302 8	29,259.5	No ore runs this interval.				70.9	70.9	
F-11	2924.8	29,876.7	28 916.3	No ore runs this interval.				84.8	84.8	
							TOTAL	1,844.8		

Charles W. Haynes
Resident Geologist

CWH:jca

cc: TASnedden
CPPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

February 3, 1964

MEMORANDUM TO: Mr. D. R. Jameson, Superindendent

Subject: SILVER BELL UNIT - Oxide Pit Drilling Project

Progress Report - January 1964

A total of 1,189.4 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coordinates N.	Approx. Coordinates E.	+ 0.40% Cu Lenses Depth to Top	Thickness	Avg. T.	% Cu N.S.	Feet Drilled During Month	Depth End Mo	Final Depth
F-2	3195.7	28,698.8	29,043.8	197	160	0.65	0.03	40.0	425.1	425.1
F-3	3247.8	28,744.6	28,455.0	273	43	0.73	0.02			
				377	45	1.57	0.05			
				435	50	0.46	0.03	484.2	484.2	484.2
F-4	3082.3	29,027.6	28,295.7	67	18	0.43	0.01			
				103	66	0.42	0.01	364.2	364.2	364.2
F-5	3080	29,060	28,730					301.0	301.0	
						Total		1,189.4		

Charles W. Haynes
Charles W. Haynes
Resident Geologist

CWH:jea

cc: TASnedden
CPPollock A/M
RBMeen
JMCourtright (2)
DRJameson (2)

1,189.4 15 comp.
1,844.8
2,305.1 16 holes
5,339.3

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

January 2, 1964

J. H. C.
JAN 10 1964

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro Imperial and Portland Ridge Drilling Projects.

Progress Report - December 1963. (Corrected)

A total of 1,107.3 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. Of this, 407.5 feet were drilled in the Imperial area and 699.8 feet were drilled on Portland Ridge (designated as F-series). Both skid-mounted rigs were moved to Portland Ridge by December 17th.

The El Tiro Imperial drilling program was completed after drilling 175 holes for a total footage of 91,106.5 feet with an average hole depth of 520.6 feet. Of this, total cored footage was 89,136.6 feet with an average core recovery of 86.3%. The remaining 1,969.9 feet was rockbit.

The following assay results are available.

Hole No.	Approx. Elevation	Approx. Coordinates N	Approx. Coordinates E	+0.4% Cu lenses: Depth to Top	Thickness	Avg. % Cu: T.	Avg. % Cu: N.S.	Feet Drilled during Month	Depth End Mo.	Final Depth
D-174	2935.4	35,449.4	16,305.1	97	90	5.95	5.56**			
				301	18	0.64	0.47	124.3	345.3	345.3
D-175	2933.5	35,296.8	18,997.9	No +0.4% lenses				283.2	352.7	352.7
F-1	3154.0	28,894.3	28,904.2	No 0+0.4% lenses				314.7	314.7	314.7
F-2	3195.7	28,698.8	29,043.8	140	28	0.45	0.02			
				197	115	0.64	0.02	385.1	385.1	
						Total		1,107.3		

** Corrected assay

F. T. Graybeal (sig)
F. T. Graybeal,
Geologist

CWH:jca

cc: TASnedden
CFPollock A/M
RRMeen
JHCourtright (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

J. H. C.
JAN 3 1964

January 2, 1964

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro Imperial and Portland Ridge Drilling Projects.

Progress Report - December 1963.

A total of 1,079.9 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. Of this, 407.5 feet were drilled in the Imperial area and 672.4 feet were drilled on Portland Ridge (designated as P-series). Both skid-mounted rigs were moved to Portland Ridge by December 17th.

The El Tiro Imperial drilling program was completed after drilling 175 holes for a total footage of 91,106.5 feet with an average hole depth of 520.6 feet. Of this, total cored footage was 89,136.6 feet with an average core recovery of 86.3%. The remaining 1,969.9 feet was rockbit.

The following assay results are available.

Hole No.	Approx. Elevation	Approx. Coordinates N	Approx. Coordinates E	+0.4% Cu lenses Depth to Top	Thickness	Avg. % Cu T.	Avg. % Cu N.S.	Feet Drilled during Month	Depth End Mo.	Final Depth
D-174	2935.4	35,449.4	18,805.1	97	90	5.95	5.56**			
				301	18	0.64	0.47	124.3	345.3	345.3
D-175	2933.5	35,296.8	18,997.9	No +0.4% lenses				283.3	352.7	352.7
P-1	3154.0	28,894.3	28,904.2	No 0+0.4% lenses				314.7	314.7	314.7
P-2	3195.7	28,698.8	29,043.8	140	28	0.45	0.02			
				197	115	0.64	0.02	357.7	357.7	
						Total		1,079.9		

** Corrected assay

F. T. Graybeal (signed)
F. T. Graybeal,
Geologist

CHH:jca

cc: TASnedden
CPPollock A/M
RBMeen
JHCourtright (2)
DRJameson (2)

1,079.9
1,216.9
1,584.0
3,880.8

MR. L P E

READ AND RETURN

PREPARE ANSWERS HANDLE Silver Bell,

FILE ✓ INITIALS

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Arizona

December 2, 1963

J. H. C.
DEC - 5 1963
L. P. E.

DEC 9 1963

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro Imperial Drilling Project
Progress Report - November 1963.

A total of 1,216.9 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. A Failing 1500 rotary rig (operated by Boyles Bros.) was delivered to the project on November 4th. It drilled 164.0 feet in the Mammouth dumps in seven shifts, and was removed on November 11th. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coords. N.	Coords. E	+0.4% Cu Lenses Depth To Top	Thickness	Avg. % Cu T	Avg. % Cu N.S.	Feet Drilled during Month	Depth End Mo.	Final Depth
D-170	2938.0	35,599.6	18,802.0	117*	16	.56	.35			
				142*	28	1.24	.14	181.6	550.9	550.9
D-172	2866.7	35,455.5	18,598.7	28	37	1.01	.72	346.4	346.4	346.4
D-173	2939.7	35,598.2	18,938.3	93	15	1.44	1.32			
				254	55	.58	.02	398.4	398.4	398.4
D-174	2935.4	35,449.4	18,805.1	97	90	5.95	5.51	221.0	221.0	
D-175	2933.5	35,296.8	18,997.9	Assays not available				69.5	69.5	
							Total	1,216.9		

* Previously reported

F. T. Graybeal
F. T. Graybeal
Geologist

FTG:jca

cc: D. J. Pope
C. P. Pollock A/M
T. A. Snedden
J. H. Courtright (2)
D. R. Jameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

J. H. C.
NOV - 5 1963

November 1, 1963

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro Imperial Drilling Project
Progress Report - October 1963

A total of 1,584.0 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coords. N.	Approx. Coords. E	+0.4% Cu Lenses Depth To Top	Thickness	Avg. % Cu T.	Avg. % Cu N.S.	Feet Drilled during Month	Depth End Mo.	Final Depth
D-168	2971.9	35,568.1	19,168.6	7*	15	.51	.39			
				166	62	2.50	.98			
				353	20	4.56	.03			
				415	28	.77	.03	256.7	467.7	467.7
D-169	2923.0	35,303.0	19,206.7	110	10	.94	.83	468.0	468.0	468.0
D-170	2938.0	35,599.6	18,802.0	117	16	.56	.35			
				142	28	1.24	.14	369.3	369.3	
D-171	2940.0	35,446.9	18,998.8	62	13	.66	.49			
				115	18	.62	.22			
				153	83	2.78	.03			
				330	26	.59	.09	490.0	490.0	490.0
						TOTAL		1,584.0		

* Previously reported.

F. T. Graybeal
Geologist

FTG/jca

cc: D. J. Pope
C. P. Pollock A/M
T. A. Snedden
J. H. Courtright (2)
D. R. Jameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

October 1, 1963

J. H. C.
OCT 15 1963

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro Imperial Drilling Project
Progress Report - September 1963.

A total of 1,531.0 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coords. N.	Coords. E	+0.4% Cu Lenses: Depth To Top	Thickness	Avg. % Cu T.	Avg. % Cu N.S.	Feet Drilled during Month	Depth End Mo.	Final Depth
⊱16[redacted]	3107.0	35,748.1	19,594.3	253	37	.66	.04	65.6	355.6	355.6
⊱165	3175.4	35,610.0	19,805.6	375	27	.42	.02			
				448	28	.56	.04	272.6	520.0	520.0
⊱166	2957.2	35,773.7	19,052.5	No +0.4% Cu lenses				355.6	355.6	355.6
⊱167	3017.8	35,294.6	19,652.2	122	19	.57	.02			
				212	56	.57	.01			
				334	27	.67	.05	626.2	626.2	626.2
⊱168	2971.9	35,568.1	19,168.6	7	15	.51	.39			
				166	20	4.41	2.64	211.0	211.0	
							Total	1,531.0		

F. T. Graybeal
F. T. Graybeal
Geologist

FTG/jca

cc: D. J. Pope
C. P. Pollock A/M
T. A. Snedden
J. H. Courtright (2)
D. R. Jameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

J. H. C.
SEP 4 1963

September 3, 1963

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro-Imperial Drilling Project
Progress Report - August 1963.

A total of 1139.8 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coords. N.	Coords. E	+0.4% Cu Lenses: Depth to Top	Thickness	Avg. % Cu T.	Avg. % Cu N.S.	Feet Drilled during Month	Depth End Mo.	Final Depth
D-161	3079.5	38,062.4*	19,871.6*	No +0.4% Cu Lenses				142.4	650.0	650.0
D-162	3042.7	35,895.6	19,382.6	86	28	.65	.01			
				131	59	.54	.02			
				205	18	.46	.03	258.2	258.2	258.2
D-163	3141.0	37,312.3	18,905.8	8	72	1.80	1.61			
				142	44	1.44	.99	201.8	201.8	201.8
D-164	3107.0	35,748.1	19,594.3	Assays not available				290.0	290.0	
D-165	3175.4	35,610.0	19,805.6	Assays not available				247.4	247.4	
						Total		1,139.8		

* Corrected coordinates

F. T. Graybeal
Geologist

FTG/jca

cc: DJPope
CPPollock A/M
TASnedden
JHCourtright (2)
DRJameson (2)

JHC file S-1.1

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

J. H. C.
AUG 2 1963

August 1, 1963

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro-Imperial Drilling Project
Progress Report - July 1963.

A total of 1521.2 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coords. N.	Approx. Coords. E	+0.4% Cu Lenses: Depth to Top	Thickness	Avg % Cu T.	Avg % Cu N.S.	Feet Drilled during Month	Depth End Mo.	Final Depth
D-158	3110.8	37,973.3	20,078.2	No +0.4% Cu lenses				375.5	855.3	855.3
)-159	3102.8	36,058.9	19,594.3	534	55	.61	.01	383.3	634.4	634.4
)-160	3055.9	36,049.0	19,204.5	5	63	.84	.72			
				95	48	1.07	.94			
				191	33	.63	.05	254.8	254.8	254.8
D-161	3079.6	38,089.8	19,942.6	No +0.4% Cu lenses				507.6	507.6	
						Total		1,521.2		

F. T. Graybeal
F. T. Graybeal
Geologist

FTG/jca

cc: DJPope
CPPollock A/M
TASnedden
JHCourtright (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

MR. VHC
READ AND RETURN ____ HANDLE ____
PREPARE ANSWER ____ INITIALS ____
FILE ____

July 1, 1963

K. R.
JUL 8 - 1963

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: SILVER BELL UNIT - El Tiro-Imperial Area Drilling Project
Progress Report - June 1963

A total of 1418.5 feet of core drilling was completed with one rig operating three shifts per day through June 4th. A second skid mounted rig was delivered to the project on June 5th, and drilling was continued on a two shift schedule. The following assay results are available:

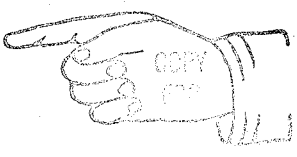
Hole No.	Approx. Elevation	Approx. Coords. N	Coords. E	+0.4% Cu Lenses Depth to Top	Thickness	Avg. % Cu T	Avg. % Cu N.S.	Feet drilled during Month	Depth End Mo.	Final Depth
DH-156	3014.6	37,858.0	19,602.4	232*	11	.41	.03			
				323*	35	1.29	.04			
				377*	10	.49	.05			
				430*	14	.54	.12	302.3	842.3	842.3
DH-157	3061.1	36,063.3	19,413.7	5	15	1.10	1.00			
				111	37	1.05	.85			
				148	20	1.81	.28			
				242	20	.42	.06			
				271	75	1.06	.03	385.3	385.3	385.3
DH-158	3110.8	37,973.3	20,078.2	No +0.4% Cu lenses				479.8	479.8	
DH-159	3102.8	36,058.9	19,594.3	No +0.4% Cu lenses				251.1	251.1	
							Total	1,418.5		

*Previously reported

F. T. Graybeal
F. T. Graybeal V
Geologist

FTG/elr

cc: D. J. Pope
C. P. Pollock A/M
T. A. Snedden
K. E. Richard (2)
D. R. Jameson (2)



AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

June 3, 1963

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: SILVER BELL UNIT - El Tiro-Imperial Drilling Project
Progress Report - May 1963.

A total of 1189.1 feet of core drilling was completed with two rigs operating two shifts per day through May 10th. At this time the truck rig was removed from the project. Drilling continued with one rig operating three shifts per day. The following assay results are available.

Hole No.	Approx. Elevation	Approx. Coords. N.	Coords. E	+0.4% Copper Lenses Depth to top	Thickness	Avg. % Cu T.	Avg. % Cu N.S.	Feet Drilled during Month	Depth End Mo.	Final Depth
D-152	2968.3	37,389.6	20,191.8	148*	18	.91	.04	89.8	667.0	667.0
D-154	2904.1	37,526.9	19,998.8	430	46	.44	.03			
				511	33	.72	.03	297.3	598.4	598.4
**										
D-155	3070	35,185	20,230	No +0.4% Cu lenses				262.0	262.0	262.0
**										
D-156	3000	37,850	19,600	232	11	.41	.03			
				323	35	1.29	.04			
				377	10	.49	.05			
				430	14	.54	.12	540.0	540.0	
						Total		1,189.1		

* Previously reported
** Estimated coordinates and elevation

F. T. Graybeal
Geologist

FTG/jca

cc: DJPope
CPPollock A/M
TASnedden
KERichard (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

MR. JHC
READ AND Keep
PREPARE
FILE

May 1, 1963

K. R.

MAY 3 1963

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: SILVER BELL UNIT - El Tiro-Imperial Drilling Project
Progress Report - April 1963.

A total of 2073.1 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. The following assay results are available.

Hole No.	Approx. Elevation	Approx. Coords. N.	Coords. E.	+0.4% Cu lenses Depth to top	Thickness	Avg. % Cu T.	Avg. % Cu N.S.	Feet Drilled during Month	Depth End Mo.	Final Depth
D-150	2981.2	37,115.7	20,008.0	58*	27	.49	.11			
				332	16	1.15	.14	438.6	704.2	704.2
D-151	3195.3	36,196.3	19,988.8	85	32	.49	.39			
				510	38	1.06	.07			
				708	19	.81	.03	629.4	825.3	825.3
**										
D-152	2960	37,400	20,200	148	18	.91	.04	577.2	577.2	
**										
D-153	3010	37,425	19,132	6	12	1.39	1.27			
				39	19	1.24	1.05			
				95	11	1.32	1.21	126.8	126.8	126.8
**										
D-154	2900	37,550	20,000	Assays not available				301.1	301.1	
						Total		2,073.1		

* Previously reported
** Estimated coordinates and elevation

F. J. Graybeal
F. T. Graybeal
Geologist

FTG/jca

cc: D. J. Pope
C. P. Pollock A/M
T. A. Snedden
K. E. Richard (2)
D. R. Jameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

April 1, 1963

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: SILVER BELL UNIT - El Tiro-Imperial Area Drilling Project
Progress Report - March 1963.

A total of 2,396.6 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. The following assay results are available.

Hole No.	Approx. Elevation	Approx. Coords. N	Coords. E	+0.4% Cu Leases Depth to Top	Thickness	Avg. % Cu T	Avg. % Cu N.S.	Feet drilled during Month	Depth End Mo.	Final Depth
D-144	2965.1	37,393.0	20,003.8	72*	95	.77	.03			
				291*	37	.68	.08			
				501*	26	.79	.05			
				567	46	1.02	.08	15.0	664.0	664.0
D-146	3087.5	36,504.7	20.004.6	23	38	.99	.88			
				553	40	.53	.01	562.4	633.5	633.5
**										
D-147	2950.0	37,250	20,000	67	101	.52	.03			
				520	113	.61	.04	730.3	730.3	730.3
D-148	3033.8	36,348.4	19,003.0	5	30	.69	.54			
				174	19	.63	.11	304.7	304.7	304.7
D-149	3094.2	36,195.4	18,998.3	0	131	1.05	.72			
				238	10	.49	.03	322.7	322.7	322.7
**										
D-150	2940.0	37,100	20,000	58	27	.49	.12	265.6	265.6	
**										
D-151	3190	36,200	20,000	Assays not available				195.9	195.9	
							Total	2,396.6		

* Previously reported
** Estimated coordinates and elevation

FTG/jca

F. T. Graybeal
Geologist

cc: D. J. Pope
C. P. Pollock A/M
T. A. Snedden
K. E. Richard (2)
D. R. Jameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

March 1, 1963

K. R.

MAR 4 1963

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: SILVER BELL UNIT - El Tiro-Imperial Area Drilling Project
Progress Report - February 1963

A total of 2,155.8 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. The following assay results are available.

Hole No.	Approx. Elevation	Approx. N.	Approx. E.	+0.4% Cu Lenses: Depth To Top	Thickness	Avg. % Cu T.	Avg. % Cu N.S.	Feet Drilled During Month	Depth End Mo.	Final Depth
-142	2911.8	37,261.4	19,801.1	226	184	.72	.03 ✓			
				267.7	36	Zn = 9.8% ✓		448.2	642.2	642.2
-143	3086.5	37,155.7	19,132.4	6	117	.69	.54 ✓			
				198	39	1.11	.04 ✓	261.8	340.0	340.0
-144*	2965	37,400	20,000	72	95	.77	.03 ✓			
				291	37	.68	.08 ✓			
				501	26	.79	.05	649.0	649.0	
-145*	3030	36,650	20,000	35	16	.75	.67			
				517	11	.49	..01			
				629	59	.75	.02	725.7	725.7	725.7
-146*	2995	36,500	20,000	Assays not available				71.1	71.1	
							Total	2,155.8		

Estimated coordinates and elevation

F. T. Graybeal
Geologist

FTG/jca

cc: DJPope
CPPollock A/M
TASnedden
KERichard (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

February 1, 1963

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: SILVER BELL UNIT - El Tiro-Imperial Area Drilling Project
Progress Report - January, 1963

A total of 1,785.5 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. The following assay results are available:

Hole No.	Approx. Elevation	Approx. N.	Approx. E.	+0.4% Cu Lenses Depth To Top	Thickness	Avg. % Cu T.	Avg. % Cu N.S.	Feet Drilled During Month	Depth End Mo.	Final Depth
D-137	2888.8	37,701.2	19,212.7	61*	19	.54	.46			
				147*	15	.52	.05			
				193*	46	.52	.07			
				315*	30	.41	.02	35.4	470.0	470.0
**										
D-138	3140	37,550	18,600	30	100	.87	.53			
				259	87	.61	.41	376.5	376.5	376.5
**										
D-139	3020	37,700	18,925	13	24	.61	.54			
				71	68	1.71	1.42			
				191	27	.48	.02			
				247	16	.80	.04	394.8	394.8	394.8
**										
D-140	3040	37,250	19,200	14	23	.83	.73			
				66	48	1.46	1.32			
				194	66	1.00	.08			
				273	19	1.86	.13			
				370	10	.42	.02	429.3	429.3	429.3
**										
D-141	3040	37,850	18,580	24	40	.71	.42			
				105	42	.73	.41			
				162	19	.49	.32	277.3	277.3	277.3
**										
D-142	2935	37,250	19,800	Assays not available				194.0	194.0	
**										
D-143	3085	37,165	19,120	Assays not available				78.2	78.2	
							Total	1,785.5		

* Previously reported
** Estimated coordinates and elevation

F. T. Graybeal

FTG/jca

cc: DJPope
CPPollock A/M
TASnedden
KERichard (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

January 2, 1968

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - North El Tiro Hill, West El Tiro Leach Dump, and Mr. Expectation Areas, - Drilling Progress Report - December, 1967.

During the month of December we had one truck mounted and one skid mounted diamond drill rig drilling. Both rigs worked two shifts per day, six days per week.

A total of 2,225.0' of core drilling was done; 843.9' with the skid rig and 1,381.1' with the truck rig. Without taking any delays into account the average advance per shift was 16.9' for the skid rig and 27.6' for the truck rig.

Hole No.	Approx. Elevation	Approx. Coordinates North	Coordinates East	+0.40% Copper Lenses Depth to Top	Thickness	Avg. % Cu Total	Avg. % Cu N.S.	Ft.Drill. During Mo.	Depth End Mo.	Final Depth
D-281	2,700	36,167	15,190	203.9	35.8	0.43	Nil	214.7	252.1	252.1
D-283	2,809.82	38,666.28	16,142.27	180.7	24.4	0.51	0.21	87.6	268.3	268.3
D-284	2,749.44	38,677.40	16,505.15	No significant thickness				167.6	167.6	167.6
D-285	2,760	36,325	15,282	186.2	27.9	0.52	0.01	397.9	397.9	397.9
D-286	2,770	38,068	16,509	99.7	33.7	0.50	0.16	183.6	183.6	183.6
D-287	2,835	35,342	16,865	129.1 204.2	49.8 58.3	0.47 0.68	0.02 0.00	287.3	287.3	287.3
D-288	2,830	36,640	15,052	No significant thickness				398.5	398.5	398.5
D-289	2,820	36,480	15,192	No significant thickness				231.3	231.3	231.3
D-290	2,867	38,058	16,190	141.4	102.6	0.74	0.06	256.5	256.5	256.5
							TOTAL	2,225.0		

N. R. Nuttycombe

NRN:jca
cc: TASnedden
CPPollock A/M
RRMeen
JHCourtright (2)
DRJameson (2)
File

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

January 2, 1963

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: SILVER BELL UNIT - El Tiro Imperial Area Drilling Project
Progress Report - December, 1962

A total of 1,374.4 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. The following assay results are available:

Hole No.	Approx. Elevation	Approx. N	Approx. E	+0.40 Cu Lenses Depth To Top	Thickness	Avg. T	% Cu N.S.	Feet Drilled During Month	Depth End Mo.	Final Depth
D-134	3112.9	37,554.9	18.786.3	8*	97	1.16	.99			
				132	45	.85	.72			
				195	69	.76	.63			
				333	39	.50	.30	317.3	499.3	499.3
D-135	2898.4	37,554.4	19,388.2	32*	20	.81	.63			
				76*	41	.64	.46			
				140	33	.56	.38			
				222	45	.75	.07	317.3	489.7	489.7
D-136**	3135	37,400	18,800	0	144	1.01	.77			
				265	28	.47	.25	305.2	305.2	305.2
D-137**	2890	37,700	19,200	61	19	.54	.46			
				147	15	.52	.05			
				193	46	.52	.07			
				315	30	.41	.02	434.6	434.6	
					Total			1,374.4		

* Previously reported
** Estimated coordinates and elevation

F. T. Graybeal
Geologist

FTG/jca

cc: DJPope
CPPollock A/M
TASnedden
KERichard (2)
DRJameson (2)

Mr. J. H. Courtright
S-1.1

[illegible] AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

September 6, 1967

J.H.C.
SEP 8 1967

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - El Tiro-Daisy Shaft Area and West El Tiro Leach Dump Area - Drilling Progress Report - August, 1967.

During the month of August two truck mounted diamond core drilling rigs and one Failing rotary-hammer rig worked both the El Tiro-Daisy Shaft area and the west El Tiro leach dump area. The diamond rigs worked two shifts per day and the rotary-hammer rig one.

A total of 626.0' of dump material was rotary drilled and 854.0' of bed rock was hammer drilled with the Failing rig. The two truck mounted core rigs drilled 1,892.9' during the month.

Hole No.	Approx. Elevation	Approx. Coordinates North	East	Depth to Top	Thick-ness	Avg. % Total	Cu N.S.	Ft. Drill. During Mo.	Depth End Mo.	Final Depth
D-236	2,770.25	38,193.75	14,952.41	No significant thickness				149.8	363.8	363.8
D-237	2,774.18	38,206.01	14,767.25	"	"	"		225.0	314.0	314.0
D-238	2,775.60	38,201.70	14,588.70	"	"	"		175.7	212.7	212.7
D-241	2,870.51	38,062.12	15,230.22	601.0 755.3	119.4 134.6	1.37 1.30	0.01 0.01	637.0	975.0	975.0
D-242	2,733.60	38,504.73	14,584.86	No significant thickness				176.2	722.9	722.9
D-246	2,825.54	36,484.93	14,651.37	252.0	35.0	0.68	0.01	337.0	337.0	337.0
D-247	2,695.28	37,289.44	14,891.96	No significant thickness				172.0	172.0	172.0
D-248	2,665.52	35,986.98	15,158.90	"	"	"		144.0	144.0	144.0
D-249	2,667.69	36,186.32	15,332.41	122.0	55.0	0.68	0.02	177.0	177.0	-
D-250	2,668.24	36,298.28	15,465.10	67.0	45.0	0.52	0.01	162.0	162.0	-
D-251	2,750.09	37,111.89	14,816.65	Dump material only				43.0	43.0	-
D-252	2,790	36,956	14,908	"	"	"		89.0	89.0	-
D-253	2,790	36,987	14,710	"	"	"		106.0	106.0	-
D-254	2,830	36,646	14,908	"	"	"		27.0	27.0	-
D-255	2,830	36,640	14,725	"	"	"		63.0	63.0	-
D-256	2,830	36,800	14,637	"	"	"		138.0	138.0	-
D-257	2,840	38,065	16,320	127.2	48.2	0.90	0.06	142.2	142.2	-
D-259	2,750	36,109	15,485	Assays not received yet				22.0	22.0	-
217-E	2,728.71	37,872.96	15,669.16	384.0	43.2	0.48	Nil	276.0	660.0	660.0
203-E	2,785.77	38,236.67	15,725.76	No significant thickness				111.0	410.1	410.1
							TOTAL	3,372.9		

3876
3392
10606

15

N. R. Nuttycombe

N. R. Nuttycombe, Geologist

NRN:jca
cc: TASnedden, CPPollock A/M, RBMeen, JHCourtright
DRJameson, File

39 holes - 10,606

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

J. H. C.

K. R. DEC 4 1962

DEC - 4 1962

MR. [redacted]
READ AND RE[redacted]

December 3, 1962

MEMORANDUM: TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Area Drilling Project
Progress Report - November, 1962

A total of 1,237.6 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. The following assay results are available:

Hole No.	Approx. Elevation	Approx. N	Approx. E	+ 0.40 Cu Lenses Depth To Top	Thickness	Avg. T	% Cu N.S.	Feet Drilled During Month	Depth End Month	Final Depth
D-131	2988.0	36,801.9	20,002.3	44*	32	.52	.31			
				95*	11	.63	.53			
				115*	26	.72	.05			
				620	19	.98	.04			
				768	27	.41	.02	262.0	799.0	799.0
D-132	3075.4	37,400.9	19,001.2	24	88	1.38	1.23 c	166.0	166.0	166.0
D-133	3126.1	36,209.3	19,393.2	6	29	.77	.70 c			
				250	17	.58	.44			
				292	124	1.03	.06 —	455.2	455.2	455.2
D-134	3110.0	37,550.0	18,800.0	8	98	1.16	.99 c	182.0	182.0	
D-135	2895.0	37,550.0	19,400.0	32	20	.81	.63 c			
				76	41	.64	.46 c	172.4	172.4	
						Total		1,237.6		

* Previously reported.
** Estimated Coordinates and Elevation.

S. A. Anzalone

S. A. ANZALONE
Geologist

cc: DJPope
CPPollock A/M
TASnedden
KERichard (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

MR. J H C Keefe
READ AND RETURN ____ HANDLE ____
PREPARE ANSWER ____ HANDLE ____
FILE ____

October 1, 1962

K. R.
OCT 3 1962

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Area Drilling Project
Progress Report - September, 1962

A total of 1,986.7 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. The following assay results are available:

Hole No.	Approx. Elevation	Approx. N	Coords. E	+ 0.4% Cu Lenses: Depth to Top	Thickness	Avg. % Cu: T	Avg. % Cu: NS	Feet Drilled During Month	Depth End Month	Final Depth
D-121	2940.2	37387.5	19585.6	6 *	19	.49	.39			
				96 *	35	.41	.09			
				148 *	36	.87	.35			
				223 *	143	.75	.06			
				376 *	15	.65	.01	58.6	611.1	611.1
D-122	3060.1	36644.1	19204.6	83 *	39	.62	.54	85.6	301.4	301.4
D-123	3011.0	37338.1	19208.0	2	25	.70	.53 X			
				39	141	.86	.67 X			
				180	18	1.05	.06			
				249	23	3.11	.29 O			
				302	16	.66	.04	472.7	472.7	472.7
D-124	3080.1	36804.9	19183.3	18	52	.59	.43 X	320.6	320.6	320.6
D-125	3110.5	36953.0	19204.4	21	28	.93	.56 X	400.0	400.0	400.0
D-126**	2935.0	37550.0	19200.0	8	123	.98	.84 X	468.1	468.1	
D-127**	3070.0	37100.0	19200.0	12	21	.56	.46			
				92	22	.73	.67	181.1	181.1	
					Total			1,986.7		

* Previously reported.
** Estimated Coordinates and Elevation.

S. A. Anzalone

S. A. ANZALONE
Geologist

SAA/mj

cc: DJPope
CPPollock A/M
TASnedden
KERichard (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

September 5, 1962

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Area Drilling Project
Progress Report - August 1962

A total of 1,861.2 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. The following assay results are available:

				+ 0.4% Cu Lenses						
Hole No.	Approx. Elevation	Approx. N	Coords. E	Depth to Top	Thickness	Avg. T	% Cu N.S.	Feet Drilled During Month	Depth End Mo.	Final Depth
D-119	3169.2	36,221.2	19,587.4	79	36	1.34	1.13			
				155	25	1.69	1.54			
				381	233	.53	.02	484.9	622.8	622.8
D-120	2988.0	37,242.1	19,591.5	68	38	.60	.50			
				136	53	.87	.72			
				196	58	.76	.07			
				402	87	.45	.04	608.0	633.0	633.0
D-121	2940.2	37,387.5	19,585.6	6	19	.49	.39			
				96	35	.41	.09			
				148	36	.87	.35			
				223	143	.75	.06			
				376	15	.65	.01	552.5	552.5	
D-122*	3060.0	36,650.0	19,200.0	83	39	.62	.54	215.8	215.8	
						Total		1,861.2		

* Estimated coordinates and elevation.

S. A. Anzalone

S. A. ANZALONE
Geologist

SAA/mj

cc: DJPope
CPPollock A/M
TASnedden
KERichard (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

J. H. C.
AUG 15 1962
K. R.
AUG 2 - 1962

August 1, 1962

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Area Drilling Project
Progress Report - July 1962

A total of 2,517.8 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. The following assay results are available:

				+ 0.4% Cu Lenses						
Hole No.	Approx. Elevation	Approx. N	Coords. E	Depth to Top	Thickness	Avg. T	% Cu N.S.	Feet Drilled During Month	Depth End Mo.	Final Depth
D-114	2,910.4	37,442.9	17,204.2	594	17*	.48	.02	444.8	702.8	702.8
D-115	3,001.0	37,247.4	19,401.3	20	19*	.66	.54			
				59	46*	.62	.46			
				116	56*	.81	.02			
				199	19*	.77	.02			
				238	28*	.75	.01			
				315	82	.63	.02			
				457	10	.78	.02	73.7	509.7	509.7
D-116	3,010.1	37,113.2	19,591.9	70	46	.56	.38			
				116	28	.41	.04			
				347	36	.69	.03			
				407	30	.58	.02			
				451	38	.72	.01			
				598	17	.42	.01	639.2	639.2	639.2
D-117	3,165.0	36,352.8	19,799.8	31	45	.76	.37			
				128	27	1.00	.66			
				463	82	.57	.01			
				579	17	.67	.03	624.8	624.8	624.8
D-118	2,942.5	37,092.7	19,791.6	77	10	.68	.51			
				472	10	.54	.04	572.4	572.4	572.4
D-119**	3,160.0	36,200.0	19,600.0	Assays not available				137.9	137.9	
D-120**	3,000.0	37,250.0	19,600.0	Assays not available				25.0	25.0	
							TOTAL	2,517.8		

*Previously reported
** Estimated coordinates and elevation

S A Anzalone
S. A. Anzalone
Geologist

SAA/jca
cc: DJPope
CPPollock A/M
TASnedden
KERichard (2)
DRJameson (2)

Mr. K. E. Richard

S-1.1

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

July 2, 1962

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Area Drilling Project
Progress Report - June 1962

A total of 3,758.6 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. A third drill, which had also been on a two shift basis, was removed from the project on June 20th. The following assay results are available:

Hole No.	Approx. Elevation	Approx. N	Coords. E	+ 0.4% Cu Lenses Depth to Top	Thickness	Avg. T	% Cu N.S.	Feet Drilled During Month	Depth End Mo.	Final Depth
D-106	2,794.2	36,514.1	15,412.7	104	53*	.56	.03			
				212	41*	.71	.05 ✓			
				285	19	.45	.04			
				329	29	.62	.02	112.7	406.5	406.5
D-107	3,122.1	36,499.7	19,593.3	50	26*	.59	.54			
				93	31	.93	.80 ✓			
				156	135	1.23	.09 ✓			
				373	84	.44	.04	425.6	531.4	531.4
D-108	3,118.5	36,350.7	19,212.6	140	23	.73	.36			
				182	57	.53	.31			
				266	75	.51	.05 ✓			
				377	53	.58	.02 ✓	423.3	436.0	436.0
D-109	2,741.6	36,499.0	15,603.0	50	145	.73	.03 ✓	334.3	334.3	334.3
D-110	2,741.6	36,202.4	15,741.3	98	90	.55	.04 ✓	395.1	395.1	395.1
D-111	3,147.0	36,358.6	19,402.9	24	111	2.11	1.87 ✓			
				242	34	1.87	1.69 ✓			
				276	254	.84	.04 ✓	550.0	550.0	550.0
D-112	3,105.2	36,494.7	19,787.5	10	24	.71	.67			
				51	29	1.00	.95 ✓			
				130	98	.51	.36			
				290	213	.64	.04 ✓	583.6	583.6	583.6
D-113	2,667.4	36,319.5	15,621.4	18	137	.46	.05	240.0	240.0	240.0
D-114**	2,916.0	37,400.0	17,250.0		No Ore			258.0	258.0	

Memorandum to Mr. D. R. Jameson July 2, 1962

Hole No.	Approx. Elevation	Approx. N	Coords. E	+ 0.4% Cu Lenses Depth to Top	Thickness	Avg. % Cu T	Avg. % Cu N.S.	Feet Drilled During Month	Depth End Mo.	Final Depth
D-115**	2,970.0	37,250.0	19,400.0	20	19	.66	.54			
				59	46	.62	.46			
				116	56	.81	.02			
				199	19	.77	.02			
				238	28	.75	.01	436.0	436.0	
						Total		3,758.6		

* Previously reported
** Estimated coordinates and elevation

S. A. ANZALONE
Geologist

SAA/mj

cc: DJPope
CPPollock A/M
TASnedden
KERichard (2)
DRJameson (2)

Mr. K. E. Richard

S-1.1

J. H. C.

K. R.

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

JUN 6 1962

JUN 5 1962

June 4, 1962

MR. JHC
READ AND RE...
PREPARE AN... HANDLE
FILE ... or Keep

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Area Drilling Project
Progress Report -- May 1962

A total of 3,748.4 feet of core drilling was completed with three rigs operating two shifts per day. The following assay results are available:

				+ 0.4% Cu Lenses						
Hole No.	Approx. Elevation	Approx. Coords. N	Coords. E	Depth to Top	Thickness	Avg. T	% Cu N.S.	Feed Drilled During Month	Depth End Mo.	Final Depth
D-96	2,911.0	35,596.1	18,604.1	308	49	1.19	.51 ✓			
				380	19	.70	.05			
				425	22	.42	.06			
				459	31	.86	.01	308.3	564.7	564.7
D-97	3,004.0	36,799.8	19,800.0	13	52*	1.23	1.03 × ✓			
				133	28	.90	.05			
				260	86	1.15	.02 ✓			
				380	55	1.31	.06 ✓			
				576	38	.69	.03	600.7	637.3	637.3
D-98	2,675.5	37,047.4	15,401.6	35	94	.80	.08 ✓	162.9	318.0	318.0
D-99	2,733.8	37,368.2	15,683.4	98	78	.84	.48 ✓	246.5	246.5	246.5
D-100	3,107.1	36,499.0	19,397.1	33	38*	.50	.44			
				103	123*	2.09	1.88 × ✓			
				230	80*	2.03	1.57 × ✓			
				333	101	.70	.03 ✓	433.4	433.4	433.4
D-101	2,727.9	37,238.9	15,517.5	42	19	.76	.57	250.0	250.0	250.0
D-102	3,051.6	36,648.9	19,791.8	34	81*	.71	.63 ✓			
				180	17*	.72	.38			
				231	33*	.96	.31 ✓			
				309	130	1.30	.04 ✓ ✓			
				458	52	.73	.04 ✓ ✓			
				557	28	.54	.04	615.0	615.0	615.0
D-103	2,733.6	36,950.1	15,320.9	84	36	.63	.04	227.9	227.9	227.9
D-104	2,808.4	36,800.5	15,178.6	29	20	.54	.47			
				110	62	.51	.07 ✓	307.4	307.4	307.4
D-105**	3,018.3	36,499.2	18,996.7	5	26*	1.31	1.11 × ✓	184.0	184.0	184.0
D-106**	2,790.0	36,500.0	15,400.0	104	53	.56	.03			
				212	41	.71	.05	293.8	293.8	

Memorandum to Mr. D. R. Jameson June 4, 1962

Hole No.	Approx. Elevation	Approx. Coords. N	Coords. E	+ 0.4% Cu Lenses: Depth to Top	Thickness	Avg. T	% Cu N.S.	Feed Drilled During Month	Depth End Mo.	Final Depth
D-107**	3,125.0	36,500.0	19,600.0	50	26	.59	.54	105.8	105.8	
D-108**	3,110.0	36,350.0	19,200.0	Assays not available.				12.7	12.7	
							Total	3,748.4		

* Primarily as Carbonates
** Estimated Coordinates and Elevation

S. A. Anzalone

S. A. ANZALONE
Geologist

SAA/mj

cc: DJPope
CPPollock A/M
TASnedden
KERichard (2)
DRJameson (2)

Mr. K. E. Richard

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

J.H.C.
MAY 8 1962

May 1, 1962

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Area Drilling Project
Progress Report - April 1962

A total of 3,421.2 feet of core drilling was completed with three rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. N	Coords. E	+ 0.4% Cu Lenses Depth to Top	Thickness	Avg. T	Avg. % Cu NS	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D-86	2,711.5	37,100.5	16,368.2	56	115*	1.87	.89			
				178	56(1)	.75	.07 ✓			
				245	34	.42	.02	41.9	350.0	350.0
D-87	3,080.9	36,799.6	19,398.4	56	73*	.80	.62			
				161	17*	.85	.40			
				178	206	1.45	.04 ✓			
				384	73	.49	.04 ✓	84.8	513.3	513.3
D-88	3,000.3	35,900.0	18,701.9	144	118	.88	.07 ✓			
				262	19	.61	.41	32.1	388.0	388.0
D-89	3,003.9	35,749.9	18,801.4	110	19	.64	.47			
				185	40	1.16	.94 ✓			
				292	24	.46	.23			
				325	29	.56	.08	520.7	520.7	520.7
D-90	2,713.2	37,253.1	16,347.4	17	93	.71	.58 ✓			
				124	38	1.08	.66 ✓			
				172	61	.65	.08 ✓	246.4	246.4	246.4
D-91	3,030.0	37,104.0	19,402.2	73	112	.69	.34 ✓			
				319	157	.64	.04 ✓	515.1	515.1	515.1
D-92	2,711.1	37,290.1	16,065.1	162	58	.50	.02 ✓	268.3	268.3	268.3
D-93	2,988.7	36,951.0	16,851.1	11	147	.73	.62 ✓			
				228	29	1.10	.47 ✓			
				298	29	.58	.36	463.0	463.0	463.0
D-94	3,082.6	36,643.4	19,400.6	30	49	.62	.55			
				116	143	1.41	1.08(2) ✓			
				283	46	1.29	.03 ✓	428.3	428.3	428.3
D-95	2,870.6	35,749.2	18,399.2	40	37	.57	.38			
				256	32	.47	.22	372.5	372.5	372.5

Hole No.	Approx. Elevation	Approx. Coords. N	Coords. E	+ 0.4% Cu Lenses: Depth to Top	Thickness	Avg. % Cu: T	NS	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D-96**	2,920.0	35,600.0	18,600.0	Assays not available				256.4	256.4	
D-97**	2,990.0	36,800.0	19,800.0	Assays not available				36.6	36.6	
D-98**	2,680.0	37,050.0	15,400.0	Assays not available				155.1	155.1	
					Total			3,421.2		

* Previously reported.
** Estimated Coordinates and Elevation
(1) Revised
(2) Primarily as Carbonates

S. A. Anzalone

S. A. ANZALONE
Geologist

SAA/mj

cc: DJPope
CPPollock A/M
TASmedden
KERichard (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

April 2, 1962

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report - March 1962

A total of 4,153.6 feet of core drilling was completed with three rigs operating two shifts per day. The following assay results are available.

Hole No.	Approx. Elevation	Approx. Coords. N	Coords. E.	+ 0.4% Cu lenses: Depth to Top	Thickness	Avg. % Cu: T	NS	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D-77	2,802.8	37,400.1	16,400.4	91	35*	.54	.28			
				216	47*	.53	.06			
				420	14	1.67	.03			
				444	8	1.20	.03			
				471	29	.66	.02			
				518	35	.55	.04			
				562	29	.60	.03	191.4	591.0	591.0
D-80	2,938.9	35,748.8	18,600.3	27	36	.47	.27			
				140	134	.70	.17			
				389	57	1.02	.03			
				538	46	1.38	.06	606.4	612.9	612.9
D-81	3,030.7	36,799.8	19,597.0	5	43	.52	.38			
				123	85	.64	.03			
				272	201	.79	.04	505.2	505.2	505.2
D-82	2,937.2	36,202.1	18,505.4	270	47	1.19	.03	388.0	388.0	388.0
D-83	3,011.2	36,946.5	19,596.6	10	20	1.03	.68			
				59	20	1.07	.89			
				355	69	.99	.04			
				554	36	.43	.03	612.8	612.8	612.8
D-84	2,710.7	36,947.6	16,389.0	3	95	.82	.08			
				270	18	.50	.02	405.2	405.2	405.2
D-85	2,957.5	36,051.7	18,673.8		No ore			352.1	352.1	352.1
D-86	2,711.5	37,100.5	16,368.2	56	115	1.87	.89			
				202	33	.79	.03	308.1	308.1	
D-87	3,080.9	36,799.6	19,398.4	56	73	.80	.62			
				161	17	.85	.40			
				178	110	1.37	.05	428.5	428.5	
D-88	3,000.3	35,900.0	18,701.9	144	93	.98	.07	355.9	355.9	
						Total		4,153.6		

* Previously reported

S. A. Anzalone

S. A. ANZALONE, Geologist

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

March 2, 1962

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report - February 1962

A total of 3,479.2 feet of core drilling was completed with three rigs operating two shifts per day. The following assay results are available:

				+ 0.4% Cu Lenses						
Hole No.	Approx. Elevation	Approx. N.	Coords. E.	Depth to Top	Thick-ness	Avg. T	% Cu NS	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D-70	2,975.4	36,955.3	16,647.6	231	16*	3.83	2.43			
				257	134*	.80	.06			
				391	29*	.49	.03	7.8	600.0	600.0
D-71	2,881.3	36,048.1	18,401.7	20	100*	.50	.31			
				120	187	1.02	.04	87.8	450.3	450.3
D-72	2,881.3	36,499.0	17,800.3	442	15	.43	.02			
				493	17	.49	.03	528.2	558.7	558.7
D-73	2,991.1	37,102.3	16,659.8	190	33	.62	.40			
				237	69	1.24	.73			
				363	23	.49	.05			
				405	52	.93	.08			
				475	17	.65	.02	541.5	541.5	541.5
D-74	2,954.9	36,200.4	18,599.8	76	10	.43	.28	375.8	375.8	375.8
D-75	3,009.0	36,050.9	18,801.4	No ore				412.2	412.2	412.2
D-76	2,902.0	36,349.3	18,000.4	41	26	1.12	.92			
				73	20	.53	.34			
				158	37	2.86	2.04	366.5	366.5	366.5
D-77	2,802.8	37,400.1	16,400.4	91	35	.54	.28			
				216	47	.53	.06	399.6	399.6	
D-78	2,899.0	36,348.9	18,400.4	300	11	.51	.01			
				318	17	.44	.02	403.2	403.2	403.2
D-79	3,006.6	35,900.5	18,769.3	6	27	.58	.48	350.1	350.1	350.1
D-80**	2,940.0	35,750.0	18,600.0	Assays not available				6.5	6.5	
							Total	3,479.2		

* Previously reported
** Estimated coordinates and elevation

S. A. Anzalone
Geologist

SAA/jca
cc: DJPope
CPPollock A/M
TASnedden
KERichard (2)
DRJameson (2)

Mr. K. E. Richard

S-1.1

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

J. H. C.

February 2, 1962

FEB 7 1962

K. R.

FEB 5 1962

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report -- January 1962

A total of 3,927.1 feet of core drilling was completed with three rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coords. N	Coords. E	+ 0.4% Cu Lenses: Depth to Top	Thickness	Avg. % Cu: T	NS	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D-62	2,906.8	36,651.1	17,397.9	220	31 *	.45	.16			
				591	47	.40	.01	33.7	654.5	654.5
D-64	2,910.1	36,048.6	18,203.5	43	16 *	1.21	.92			
				98	19 *	.54	.39			
				150	55 *	.71	.52			
				238	74 *	1.05	.27			
				353	20 *	.80	.05			
				428	40 *	.43	.02			
				489	53 *	.47	.03	26.3	588.4	588.4
D-65	2,909.1	37,249.7	16,600.0	18	20	.81	.57			
				311	18	.44	.09			
				544	23	.63	.05	585.0	600.0	600.0
D-66	2,908.8	36,198.3	18,203.7	18	91	.62	.38			
				129	22	.46	.03			
				160	24	.66	.05 ✓			
				246	47	.70	.18 ✓			
				330	44	.87	.05 ✓	563.6	563.6	563.6
D-67	2,893.6	36,352.4	17,803.5	191	17	.67	.45			
				208	197	.84	.09 ✓			
				436	28	.68	.05 ✓	552.3	552.3	552.3
D-68	2,900.2	36,198.3	18,399.0	196	86	1.78	.05 ✓	581.0	581.0	581.0
D-69	2,847.8	36,500.9	17,600.6	153	11	1.76	.05			
				351	78	1.47	.03 ✓	600.0	600.0	600.0
D-70	2,975.4	36,955.2	16,647.6	231	16	3.83	2.43			
				257	134	.80	.06 ✓			
				391	29	.49	.03 ✓	592.2	592.2	
D-71**	2,880.0	36,050.0	18,400.0	20	99.6	.50	.31			
				120	149.3	.93	.04 ✓	362.5	362.5	
D-72**	2,845.0	36,500.0	17,800.0	Assays not available				30.5	30.5	
							Total	3,927.1		

Memorandum to D. R. Jameson February 2, 1962

* Previously reported
** Estimated coordinates and elevation

S. A. Anzalone

S. A. ANZALONE
Geologist

SAA/mj

cc: DJPope
CPPollock A/M
TASnedden
KERichard (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

January 2, 1962

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report - December 1961

A total of 2,590.2 feet of core drilling was completed with two rigs operating two shifts per day for the entire month. A third drill began operation on December 18th, also on a two shift basis. The following assay results are available:

Hole No.	Approx. Elevation	Approx. N	Coords. E	+ 0.4% Cu Lenses Depth to Top	Thickness	Avg. % Cu T	Avg. % Cu NS	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D-60	2,987.4	36,951.2	16,801.3	— 5	73*	.69	.59			
				— 117	97*	.95	.65			
				— 256	112	1.12	.61			
				— 368	52	.89	.06	143.0	419.7	419.7
D-11-D	2,855.3	36,501.7	17,003.5	— 6	100**	.71	.54			
				— 220	56**	.74	.08			
				418	115*	.98	.04			
				608	20	.41	.04	65.3	650.7	650.7
D-61	2,886.5	36,343.0	17,604.6	302	18	.59	.03			
				— 349	100	1.43	.02	574.9	574.9	574.9
D-62	2,906.8	36,651.1	17,397.9	220	31	.45	.16	620.8	620.8	
D-63	3,023.5	37,092.0	16,814.6	121	52	1.08	.64			
				— 368	78	.86	.15	609.1	609.1	609.1
D-64	2,910.1	36,048.6	18,203.5	43	16	1.21	.92			
				98	19	.54	.39			
				150	55	.71	.52			
				238	74	1.05	.27			
				353	20	.80	.05			
				428	40	.43	.02			
				489	53	.47	.03	562.1	562.1	
D-65	2,905.0	37,250.0	16,600.0	Assays not available.				15.0	15.0	
							Total	2,590.2		

* Previously reported.
** Previously reported with D-11.

S. A. ANZALONE
Geologist

SAA/mj
cc: DJPope, CPPollock A/M, TASnedden, KERichard (2), DRJameson(2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

December 4, 1961

MR. JHC
READ AND RETURN
PREPARE ANSWER/PS HANDLE
FILE INITIAL

K. R.
DEC 5 1961

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report - November 1961

A total of 2,223.9 feet of core drilling was completed with two rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coords. N	Coords. E	Depth to Top	Thickness	Avg. % Cu T	Avg. % Cu NS	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D-56	3,016.0	35,749.6	17,899.5	3	164 *	1.24	.86			
				260	22	.52	.37			
				349	39	.61	.37	238.8	574.6	574.6
D-57	2,956.6	36,806.0	17,199.9	244	19	.61	.35	263.6	560.8	560.8
D-58	2,997.7	35,826.5	17,799.1	3	47	1.18	.84			
				69	28	.40	.27			
				223	18	.42	.24			
				256	28	.51	.17			
				556	19	.74	.20	580.8	580.8	580.8
D-59	2,978.3	36,956.4	16,997.1	25	30	.54	.41			
				243	38	.77	.55			
				316	41	.72	.18			
				583	57	1.07	.04	648.0	648.0	648.0
D-60	2,987.4	36,951.2	16,801.3	5	73	.69	.59			
				117	97	.95	.65	276.7	276.7	
D-11-D	2,855.3	36,501.7	17,003.5	6	100 **	.71	.54			
				220	56 **	.74	.08			
				418	115	.98	.04	216.0	585.4	
								2,223.9		

* Previously reported
** Previously reported with D-11

S. A. Anzalone
S. A. ANZALONE
Geologist

SAA/mj

cc: DJPope
CPPollock A/M
TASmedden KERichard (2) DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

November 1, 1961

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report - October 1961

A total of 2,855.6 feet of core drilling was cpmpleted with two rigs operating two shifts per day. The following assay results are available:

				+0.4% Cu Lenses						
Hole No.	Approx. Elevation	Approx. N.	Coords. E.	Depth to top	Thick-Ness	Avg. T	% Cu NS	Ft. Drilled During Mo.	Depth end Mo.	Final Depth
D-52	2895.9	36,799.8	16,800.3	92	48	.58	.27			
				159	44	.53	.20			
				239	85	.72	.13			
				350	65	.58	.02			
				523	126	.46	.03	518.7	649.0	649.0
D-53	2971.9	36,015.3	17,783.3	127	29	.59	.19			
				316	26	.70	.27	440.9	520.7	520.7
D-54	3026.5	35,754.4	17,707.4	228	16	.47	.41			
				350	132	.86	.05	660.0	660.0	660.0
D-55	2898.6	36,797.9	16,996.5	28	43	1.86	1.52			
				71	47	1.30	.35			
				118	41	1.50	1.17			
				215	26	.60	.22			
				278	124	1.10	.11	603.0	603.0	603.0
D-56	3016.0	35,749.6	17,899.5	3	164	1.24	.86	335.8	335.8	
D-57	2956.6	36,806.0	17,199.9	Assays not available				297.2	297.2	
								2,855.6		

S. A. Anzalone
Geologist

SAA/jca
cc:CPPollock A/M
DJPope
TASnedden
KERichard (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

October 3, 1961

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report -- September 1961

A total of 2,468.1 feet of core drilling was completed with two rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coords. N	Coords. E	+ 0.4% Cu Lenses: Depth to Top	Thickness	Avg. % Cu: T	NS	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D-47	2980.0	35,450.0	18,000.0	426	66	.69	.02			
				588	55	.77	.03			
				662	19	1.09	.02	236.6	712.5	712.5
D-48	2856.2	36,637.1	16,990.9	145	68	.62	.32			
				263	43	.83	.02			
				321	226	.86	.01			
				571	33	1.45	.02	317.4	638.0	638.0
D-49	2909.8	35,597.2	18,205.7	77	6	.45	.35			
				96	4	1.97	1.54			
				151	157	.73	.43			
				317	82	.52	.36			
				479	19	.80	.52			
				602	9	1.44	.10	689.2	689.2	689.2
D-50	2911.0	36,645.5	17,198.1	250	29	.44	.05			
				563	84	1.40	.03	661.1	661.1	661.1
D-51*	2905.0	36,050.0	18,000.0	47	26	.75	.13			
				126	29	.93	.15	353.7	353.7	353.7
D-52*	2895.9	36,800.0	16,800.0	Assays not available.				130.3	130.3	
D-53*	2915.0	36,050.0	17,800.0	Assays not available.				79.8	79.8	
								2,468.1		

* Approximate elevation and coordinates.

S. A. ANZALONE
Geologist

SAA/mj

cc: DJPope
CPPollock A/M
TASmedden
KERichard (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

September 1, 1961

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report -- August 1961

A total of 2,979.2 feet of core drilling was done with two rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. N	Coords. E	+ 0.4% Cu Lenses Depth to Top	Thickness	Avg. T	Avg. % Cu NS	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D-42	2953.0	35,898.5	18,007.0	46	164 *	.51	.32			
				265	27	.46	.24	110.5	506.7	506.7
D-43	2824.6	36,377.2	17,272.3	101	24	.92	.70			
				151	61	.66	.12			
				256	93	.82	.03	505.8	505.8	505.8
D-44	2976.1	35,894.8	18,628.3	6	51	.56	.46 **			
				57	91	2.39	.07			
				239	42	.52	.05			
				315	49	.62	.13	419.4	419.4	419.4
D-45	2861.5	36,645.1	16,785.4	112	38	1.02	.04			
				235	34	.58	.04			
				285	40	.82	.05			
				351	105	.63	.02			
				473	130	.55	.03	618.0	618.0	618.0
D-46	2820.6	35,000.5	18,401.4		No Ore			529.0	529.0	529.0
D-47	2980.0	35,450.0	18,000.0	84	24	.72	.40	475.9	475.9	
D-48	2856.2	36,637.1	16,990.9	10	21	1.54	1.21			
				51	86	1.24	.90			
				145	Assays not available			320.6	320.6	
								2,979.2		

* Previously reported.
** Calculated assay.

STEPHEN VON FAY
Geologist

SVF/z
cc: CPPollock A/M
DJPope
TASnedden
KERichard (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

August 1, 1961

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report -- July 1961

A total of 2,643.2 feet of core drilling was done with two rigs operating two shifts per day. The following assay results are available:

				+ 0.4% Cu Lenses						
Hole No.	Approx. Elevation	Approx. N	Coords. E	Depth to Top	Thick-ness	Avg. T	% Cu NS	Ft.Drilled During Mo.	Depth End Mo.	Final Depth
D-37	2,962.2	36,056.3	17,404.6	95 *	90	1.03	.36 ✓			
				226 *	80	.95	.04 —			
				422 *	45	1.28	.05 —			
				475	114	.78	.25			
				588	16	.51	.32	147.5	709.3	709.3
D-38	2,999.0	35,755.5	17,604.6	336 *	33	.68	.11			
				424	123	.47	.03 —	199.7	638.0	638.0
D-39	2,967.4	35,745.5	18,007.2	5	52	1.01	.89 ✓			
				198	51	.94	.42 ✓			
				312	33	.47	.13	622.8	622.8	622.8
D-40	2,950.0	35,600.0	17,600.0	116	94	.67	.34 ✓			
				496	45	.57	.02			
				657	29	.52	.02	751.0	751.0	751.0
D-41	2,879.4	35,904.9	18,402.8	28	54	.88	.45 ✓	526.0	526.0	526.0
D-42	2,953.0	35,898.5	18,007.0	46	164	.51	.32			
				Assays not completed				396.2	396.2	
								2,643.2		

* Previously reported.

Stephen Von Fay
STEPHEN VON FAY
Geologist

SVF/mj

cc: DJPope
CPPollock A/M
TASnedden
KERichard (2) COPY TO FOLLOW
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

July 5, 1961

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report -- June 1961

A total of 3,112.2 feet of core drilling was done with two rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. N	Coords. E	+ 0.4 % Cu Lenses Depth to Top	Thickness	Assay % Cu T.	OX.	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D-32	2,976.2	35,887.1	17,857.8	219*	25	.47	.10			
				390*	10	2.27	1.16			
				459*	18	.63	.10	136.3	648.3	648.3
D-33	2,940.3	36,200.5	17,795.2	237*	26	.57	.33			
				360*	62	1.78	.36	149.0	665.3	665.3
D-34	2,931.8	35,730.0	17,460.2	No Ore				355.0	355.0	355.0
D-35	3,039.6	35,620.0	17,794.7	188	37	.96	.16			
				248	16	.93	.34			
				313	82	1.64	.58			
				474	102	.35	.04	760.6	760.6	760.6
D-36	2,993.6	35,590.0	17,987.2	76	35	.64	.56			
				256	41	1.40	.06			
				344	98	.47	.10			
				498	28	.55	.03			
				623	59	.45	.07	711.0	711.0	711.0
D-37	2,962.2	36,056.3	17,406.6	95	90	1.09	.36			
				226	80	.95	.04			
				422	45	1.28	.05			
				475	87**	.86	.38	561.8	561.8	
D-38	2,999.0	35,755.5	17,606.6	336	33	.68	.11	438.3	438.3	
								3,112.2		

* Previously reported
** Ore Lens continues

STEPHEN VAN FAY
Geologist

SVF/mj
cc: DJPope
cc: CPPollock A/M
TASnedden
KERichard (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

July 18, 1961

MEMORANDUM TO: Mr. D. R. Jamesson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report -- May 1961

A total of 2,880.9 feet of core drilling was done with two rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. N	Coords. E	+ 0.4 % Cu Interval Depth to Top	Thickness	Avg. % Cu	% MS	Ft.Drilled During Mo.	Depth End Mo.	Final Depth
D-27	2820.4	36,399.9	17,685.6	49 *	90	1.34	.37			
				214 *	126	1.35	.05			
				363 *	72	.88	.04			
				450 *	52	.65	.02			
				517 *	36	.40	.04			
				594 *	97	.58	.04			
				805 *	19	.55	.03	86.8	1076.0	1076.0
D-29	3125.1	35,919.5	19,841.8		No Ore			442.7	674.0	674.0
D-30	3032.4	35,890.1	17,450.7	153	112	.56	.09			
				602	21	.60	.03	623.6	623.6	623.6
D-31	3032.2	35,754.7	17,801.3	12	90	1.13	.97			
				108	60	.47	.48			
				182	33	2.42	.95			
				239	146	.90	.43			
				405	70	1.08	.05			
				475	30	.89	.47			
				505	107	1.36	.06	699.7	699.7	699.7
D-32	2976.2	35,887.1	17,807.8	219	25	.42	.10			
				390	10	2.27	1.16			
				489	18	.61	.10	511.8	511.8	
D-33	2940.3	36,200.5	17,795.8	257	24	.37	.33			
				360	62	1.10	.06	516.3	516.3	
								2,880.9		

* Previously reported.

Stephen Von Fay
STEPHEN VON FAY
Geologist

SVF/mj

cc: CFPollock A/M
TASnedden
KKRichard (2)
DRJamesson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

July 18, 1961

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report -- April 1961

A total of 1,940.5 feet of core drilling was done with two rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. N	Coords. E	+ 0.4 % Cu Lenses: Depth to Top	Thickness	Avg. T	% Cu NS	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D-25	2894.6	36,221.7	17,613.3	8 *	68	.87	.58			
				330 *	118	.90	.05			
				448 *	26	.43	.05			
				567 *	46	.58	.05			
				699 *	38	1.01	.44	18.8	801.6	801.6
D-26	3067.7	35,335.4	19,825.9	301 *	79	.60	.02			
				665 *	21	.55	.03			
				736 *	17	.75	.03	179.4	1065.6	1065.6
D-27**	2820.4	36,399.9	17,086.6	49	90	1.34	.37			
				214	126	1.55	.05			
				363	72	.85	.04			
				450	52	.65	.02			
				517	34	.40	.04			
				594	97	.58	.04			
				805	19	.55	.03	989.2	989.2	
D-28	2909.9	35,895.6	18,189.5	48	61	.63	.54			
				151	33	2.55	.20	521.8	521.8	521.8
D-29	3125.1	35,919.5	19,841.8					231.3	231.3	
								1,940.5		

* Previously reported.
** Interval from 214' to 691' averages 477' @ .79 Cu

Stephen Von Fay
STEPHEN VON FAY
Geologist

SVF/mj

cc: CFPollock A/M
TASneddon
KERichard (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

May 2, 1961

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report - April 1961

A total of 1,895.9 feet of core drilling was done with two rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. N	Coords. E	Depth to Top	Thickness	Avg. T	% Cu NS	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D-25	2894.6	36,221.7	17,613.3	8*	68	.87	.58			
				330*	118	.90	.05			
				448*	26	.43	.05			
				567*	46	.58	.05			
				699*	38	1.01	.44	18.8	801.6	801.6
D-26	3067.7	35,335.4	19,825.9	301*	79	.60	.02			
				665*	21	.55	.03			
				736*	17	.75	.03	179.4	1065.6	1065.6
D-27**	2320.4	36,399.9	17,086.6	60	79	1.15	.40			
				214	126	1.55	.05			
				363	72	.85	.04			
				450	52	.65	.02			
				517	34	.40	.04			
				594	97	.58	.04			
				805	19	.55	.03	944.6	944.6	
D-28	2909.9	35,895.6	18,189.5	48	61	.63	.54			
				151	33	2.55	.20	521.8	521.8	521.8
D-29	3125.1	35,919.5	19,841.8					231.3	231.3	
								1895.9		

* Previously reported
** Interval from 214' to 691' averages 477' @ .79 Cu

Stephen Von Fay
STEPHEN VON FAY
Geologist

SVF/mj

cc: CFPollock A/M
TASnedden
KERichard (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

April 3, 1961

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report -- March 1961

A total of 2287.8 feet of core drilling was done with two rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. N	Coords. E	+ 0.4 % Cu Lenses: Depth to Top	Thickness	Avg. % Cu T	Avg. % Cu HS	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D-22	2987.7	36,031.5	17,603.2	304*	20	.46	.31			
				385*	102	1.16	.11			
				567*	19	.40	.19	12.8	716.6	716.6
D-24	2959.0	36,962.7	19,799.8	327	54	.41	.05			
				381	92	.70	.06			
				544	22	1.16	.03	606.0	606.0	606.0
D-25	2894.6	36,221.7	17,613.3	8	68	.87	.58			
				330	118	.90	.05			
				448	26	.43	.05			
				567	46	.58	.05			
				699	38	1.01	.44	782.8	782.8	
D-26	3067.7	35,335.4	19,825.9	301	79	.60	.02			
				665	21	.55	.03			
				736	17	.75	.03	886.2	886.2	
								2287.8		

* Previously reported

Stephen Von Fay
STEPHEN VON FAY
Geologist

SVF/mj

cc: CPPollock A/M
TASnedden
KEKichard (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

March 3, 1961

MEMORANDUM TO: Mr. D. R. Jamesson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report -- February 1961

A total of 2396.6 feet of core drilling was done with two rigs operating two shifts per day. The following assay results are available:

				+ 0.4 % Cu Leases						
Hole No.	Approx. Elevation	Approx. Coords. E	Coords. N	Depth to Top	Thick-ness	Avg. % Cu T	Avg. % Cu MS	Ft.Drilled During Mo.	Depth End Mo.	Final Depth
D-20	3035.8	35,894.3	17,597.3	246	20	.52	.07			
				267	43	.62	.27			
				309	116	.78	.05			
				470	70	.60	.04	400.9	565.7	565.7
D-21	3204.4	36,193.3	19,615.4	28	119	.83	.71			
				193	72	.54	.40			
				414	55	.73	.07			
				567	66	.54	.04	748.9	748.9	748.9
D-22	2987.7	36,031.5	17,603.2	304	20	.46	.31			
				385	102	1.16	.11			
				567	19	.40	.19	703.8	703.8	
D-23	3085	36,640	19,390	1	9	1.10	1.00			
				63	46	.71	.59			
				164	47	.59	.36			
				211	94	.79	.07			
				322	13	.63	.09			
				372	116	.87	.05	543.0	543.0	543.0
								2,396.6		

Special Assays

Hole No.	Depth to Top	Thickness	Cu %	MS Cu %	Pb %	Zn %
D-22	452	15'	.73	.04	1.28	2.10

Stephen Von Fay
STEPHEN VON FAY
Geologist

SVF/mj

cc: CFPollock A/M
TASnadden
HERichard (2)
DRJamesson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

February 2, 1961

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report - January 1961

A total of 1,883.2 feet of core drilling was done with two rigs operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coords. N	Coords. E	+ 0.4 % Cu Lenses: Depth to Top	Thickness	Avg. %	% Cu OS	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
16	2897.8	36,218.3	17,416.1	* 47	67	.51	.30			
				* 160	74	.43	.15			
				* 373	49	.42	.02			
				* 492	59	2.16	.04			
				575	60	.69	.04			
				678	34	.86	.04	221.4	770.1	770.1
17	3134.3	36,170.5	19,135.2	* 10	12	.55	.47			
				* 44	93	1.89	1.08			
				* 214	51	.65	.27			
				* 284	10	.52	.02	473.9	914.7	914.7
18	2830.8	36,510.7	17,398.8	29	12	.88	.72			
				58	100	.60	.12	416.6	416.6	416.6
19	3178.5	36,350.3	19,612.8	25	74	.53	.41			
				137	39	5.00	4.49			
				203	100	.91	.65			
				363	48	.72	.02			
				433	84	1.08	.03			
				542	19	.54	.03	606.5	606.5	606.9
20	3030	35,900	17,600					164.8	164.8	
								1,883.2		

Special Assays

Hole No.	Depth to Top	Thickness	Cu %	OS Cu %	Ag Oz.	Pb	Zn	MoS_2
* D-16	373	49'	.42	.02	.21	.77	.39	.050

* Previously reported.

STEPHEN VON FAY
Geologist

SVF/mj

cc: CFPollock A/M
THSnedden
KERichard (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

January 4, 1961

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report -- December 1960

A total of 1,994.8 feet of core drilling was done with two rigs operating two shifts per day. The following assay results are available:

Hole No.	Elevation	Approx. Coords. N	Coords. E	+ 0.4 % Cu Leases: Depth to Top	Thickness	Avg. % Cu T	Avg. % Cu MS	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D 13	2847.6	36,498.2	17,203.7	— 8 *	79	.67	.47			
				130 *	74	.55	.30			
				— 240	87	1.03	.06			
				327	123	.52	.06	120.3	461.9	461.9
D 14	2901.4	37,361.8	19,799.6	210	7	.85	.66			
				— 278	65	.69	.10			
				— 430	31	1.77	.05			
				609	12	.55	.04	486.5	722.2	722.2
D 15	2845	36,350	17,400	320	9	.73	.03	398.5	398.5	398.5
D 16	2900	36,190	17,383	47	67	.51	.38			
				160	74	.43	.15			
				373	49	.42	.02			
				— 492	50	2.16	.04	548.7	548.7	
D 17	3124.3	36,170.5	19,155.2	10	12	.55	.47			
				— 44	93	1.29	1.08			
				— 214	51	.65	.27			
				284	10	.52	.02	440.8	440.8	
								1,994.8		

Special Assays

Hole No.	Depth to Top	Thickness	Cu %	MS CU %	Ag Oz.	Pb %	Zn %	MoS_2 %
D 15	253'	85'	.26		.41	.24	2.67	.019
D 16	373'	49'	.42	.02	.21	.77	.39	.050

* Previously reported.

Stephen Von Fay
STEPHEN VON FAY
Geologist

SVF/mj

cc: CFPollock A/M KERichard (2) DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

December 2, 1960

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Area Drilling Project
Progress Report - November 1960

A total of 1,817.6 feet of core drilling was done with two rigs (second rig began drilling 11/7/60) operating two shifts per day. The following assay results are available.

				+ 0.4 % Cu Ionger						
Hole No.	Approx. Elevation	Approx. N	Coords. E	Depth to Top	Thickness	Avg. % Cu T	Avg. % Cu MS	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D-9	2877.9	38,015	18,992	429.7	12.5	.58	.44	5.9	463.2	463.2
D-10	2901.7	37,754	19,084	197.3	154	.47	.23			
				510	18	.59	-	528.1	528.1	528.1
D-11	2853.3	36,502	17,004	6	100	.71	.54			
				220	56	.74	.08	369.4	369.4	369.4
D-12	2990	38,000	18,600	6	38	.80	.78			
				65	39	.57	.05			
				168	14	.92	.06			
				222	12	.31	.24			
				258	10	.45	.03			
				307	9	.47	.04	336.9	336.9	336.9
D-13	2847.6	36,498	17,204	6	79	.67	.47			
				130	74	.35	.30			
				240	Not Assayed			341.6	341.6	
D-14	2895	37,550	19,800	210	Not Assayed			235.7	235.7	
								1,817.6		

STEPHEN VON TAY
Geologist

SVT/mj

cc: CFPollack A/M
KHRichard (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

November 3, 1960

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report - October 1960

A total of 869.2 feet of core drilling was done with one rig operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. N	Coords. E	+ 0.4 % Cu Lenses Depth to Top	Thickness	Avg. % Cu T	Avg. % Cu NS	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D-8	2939.6	37,427	19,367	195	100	1.16	.01	411.9	641.6	641.6
				362	21	.62	.04			
				~~623~~	~~7~~	~~.80~~	~~.09~~			
D-9	2877.9	38,015	18,992	14	43	.76	.72			
				148	11	1.30	.04			
				~~361~~	~~31~~	~~.53~~	~~Nil~~	457.3	457.3	
								869.2		

Stephen Von Fay
STEPHEN VON FAY
Geologist

SVF/mj

cc: CPPollack A/M
KERichard (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

October 3, 1960

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report - September 1960

A total of 1,151.8 feet of core drilling was done with one rig operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coords. N	Coords. E	+ 0.4 % Cu Leases: Depth to Top	Thickness	Avg. % Cu T	Avg. % Cu NR	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D-6	3014.8	37,557	19,001					417.7		770.3
D-7	3068.4	36,954	19,407	— 9.5'	79'	.56	.56			
				—111'	27'	.86	.76			
				—201'	236'	1.12	-	504.4		504.4
D-8	2939.6	37,427	19,367	172' *				229.7	229.7	
								1151.8		

* Assays not available.

STEPHEN VON FAY
Geologist

SVF/mj

cc: CFFollack A/M
HERichard(2)
DRJameson(2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

September 2, 1960

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report - August 1960

A total of 818.4 feet of core drilling was done with one rig operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. Coords. N	Coords. E	+ 0.4 % Cu Leases: Depth to Top	Thick-ness	Avg. % Cu	Avg. % NS	Ft. Drilled During No.	Depth End No.	Final Depth
D-4	2939.9	36,060	18,564	215' *	52'	1.92	.07	123.2		367.9
D-5	3076.3	36,466	19,188	— 31'	62'	.88	.67			
				— 93'	88'	.67	.07			
				— 207'	28'	.82	.03			
				301'	11'	.42	.12	342.6		342.6
D-6	3014.8	37,537	19,001	4'	16'	.96	.84			
				— 137'	34'	1.46	.18	352.6	352.6	
								818.4		

* Previously reported.

Charles W. Haynes
CHARLES W. HAYNES
Geologist

SWH/mj

cc: CFFollack A/M
KERichard (2)
DRJameson (2)

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

August 3, 1960

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

SUBJECT: Silver Bell Unit - El Tiro Imperial Drilling Project
Progress Report - July 1960

A total of 1108.5 feet of core drilling was done with one rig operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. N	Coords. E	+ 0.4 % Cu Lenses: Depth to Top	Thickness	Avg. % Cu T	Avg. % Cu NS	Ft. Drilled During Mo.	Depth End Mo.	Final Depth
D-2	2870.2	36,239	17,298	— 49'	87'	1.96	.57			
				202'	17'	2.05	.34			
				236'	16'	.56	.05			
				— 295'	66'	1.13	-	305.4'		396.3'
D-3	2905.2	36,197	18,002	— 10'	132'	.76	.64	558.4'		558.4'
D-4	2940	36,050	18,580	77'	14'	.45	.35	[illegible]		
				—155'	37'	1.91	.06			
				—215'	52'*	1.92	.07	244.7'	244.7	
								1108.5'		

* Ore lens continues past 244.7

Stephen Von Fay
STEPHEN VON FAY
Geologist

SVF/mj

cc: CPPollack A/M
KERichard (2)
DRJameson (2)

August 3, 1966

[illegible]

[illegible]

[illegible]

IMPERIAL DRILLING PROJECT
PROGRESS REPORT -- JUNE

A total of 625.0 feet of core drilling was done with one rig operating two shifts per day. The following assay results are available:

Hole No.	Approx. Elevation	Approx. N	Coords. E	+ 0.4% Cu Inters. Depth To Top	Thick-ness	Ave. %	% Cu MR	Ft.Drilled During Mo.	Depth End Mo.	Final Depth
D-1	2826.9	36,297	17,165	— 30	40	.90	.80			
				136	15	1.70	.24			
				175	26	.47				
				— 274	173	.65		534.1		534.1
D-2	2870.2	36,239	17,298	49		Not Assayed		90.9	90.9	

Mr. J. H. Courtright

AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL UNIT
Silver Bell, Arizona

May 3, 1965

J. H. C.
MAY 10 1965

MEMORANDUM TO: Mr. D. R. Jameson, Superintendent

Subject: SILVER BELL UNIT - Oxide Drilling Project
Progress Report - April, 1965

A total of 2,335.7 feet of diamond drilling was done during the month of April by two rigs operating two shifts per day. The following assay results are available.

Hole No.	Approx. Elevation	Approx. Coordinates N.	Approx. Coordinates S.	±0.40% Copper Lenses Depth to Top	Thickness	Avg. T.	% Cu N.S.	Feet Drill During Mo.	Depth End Mo.	Final Depth
-75**	3242.0 E	28,714.9	28,855.2	266	18	0.44	0.02	14.1	386.4	386.4
-76	3130.9 west	29,785.3	24,666.8	67	156	0.86	0.19			
				287	56	0.73	0.04			
				361	27	0.41	0.01			
				486	27	0.54	0.01	259.4	548.3	548.3
-77**	3260.2 E	28,739.0	28,663.9	133	144	0.62	0.02			
				331	75	0.47	0.02			
				444	16	0.49	0.04	623.5	623.5	623.5
-78	3082.5 west	29,917.2	25,145.6	9	28	0.83	0.70			
				105	33	0.47	0.03	321.8	321.8	321.8
-79	3070.7 west	30,183.0	24,550.7	No ore runs in hole				405.8	405.8	405.8
-80	3005 "	30,285	24,875	16	18	0.56	0.24			
				62	33	0.50	0.26	372.5	372.5	372.5
-81**	3260.2 E	28,739.0	28,663.9	137	18	0.53	0.04			
				182	18	0.55	0.02	310.4	310.4	
82	2940	30,185	25,370	Assays not available				28.2	28.2	
						Total		2,335.7		
								14.1		
								2321.6		

2321.6
2023.6
1814.7
6159.9
6160 -

* This is an inclined hole. Average bearing is Due South. Average dip is -49°
** " " " " " " " " " " " " " -64°
*** " " " " " " " " " " " " " -50°

C. W. Haynes
C. W. Haynes
Resident Geologist

CWH:jca
cc: TASnedden RBMeen
CPPolock A/M JHCourtright (2) DRJameson (2)