

GRUM DEPOSIT, Y.T.

MINERAL RESERVE SUMMARY

DRILL INDICATED & POSSIBLE

KERR OPTION

019819 CHAMP ZONE
SECTION 52^W to 62^W (13⁵ to 1⁵)

CATEGORY	SECTION	Tonnes/lin. (longitudinal)			GRADE			TONNES X GRADE			TONNES per 60.69 ^m long. sect.	TONNES CUMULATIVE	REMARKS
		DRILL INDICATED	DRILL POSSIBLE	TOTAL	Pb %	Zn %	Ag g/mt.	Pb % mt.	Zn % mt.	Ag g ^m mt.			
7-12 [%] Pb ₂ S	52 ^W	/	/										
	54 ^W	/	/										
	56 ^W	1537			6.57	9.26	68	10,099	14,234	104,530	93,281		
	58 ^W	/	/										
	60 ^W	/	/										
	62 ^W	1030.4			7.86	7.32	91	8099	7543	93,766	62,535		
	52 ^W -62 ^W	2567.4			7.09	8.48	77	18,198	21,777	198,296	155,816	155,816	
10-12 [%]	52 ^W	/	/										
	54	/	/										
	56	/	/										
	58	1201.6			5.31	5.45	66	6376	6547	79,620	72,925		
	60	3066			4.44	6.75	62	13,626	20,693	191,523	186,076		
	62	/	/										
	52-62 ^W	4267.6			4.69	6.38	64	20,002	27,240	271,143	259,001		
7-10	52 ^W -62 ^W	6835			5.59	7.17	69	33,200	49,017	469,439		414,816	
8-10 [%]	52 ^W	/	/										
	54	/	/										
	56	3218.4			3.78	5.27	44	12,173	16,958	141,660	195,325		
	58	640.5			4.52	5.02	66	2895	3215	42,273	38,872		
	60	577.5			3.68	5.06	48	2125	2922	27,720	35,048		
	62 ^W	/	/										
	52 ^W -62 ^W	4436.4			3.88	5.21	48	17,193	23,095	211,653	269,245		
7-8	52 ^W -62 ^W	11,271.4			4.91	6.4	60	55,393	72,112	621,092		684,061	

Date: 1/24 13, 1977Calc'n. by: J. C. [Signature]

Revised: _____

GRUM DEPOSIT, Y.T.

MINERAL RESERVE SUMMARY

CHAMP ZONE

DRILL INDICATED & POSSIBLE

SECTION 52^W to 62^W (13⁵ to 1⁵)

KERR OPTION

CATEGORY	SECTION	Tonnes / m. (longitudinal)			GRADE			TONNES X GRADE			TONNES PER 60.69 m long. sect.	TONNES CUMULATIVE	REMARKS
		DRILL INDICATED	DRILL POSSIBLE	TOTAL	Pb %	Zn %	Ag g/m.t.	Pb % mt.	Zn % mt.	Ag g mt.			
6-8 [%]	52 ^W	192			3.5	3.1	43	672	525	8256	11,652		
	54	/	(770)		3.3	4.6	34	(2541)	(3542)	(26,180)	(46,731)		
	56	1403.4			2.66	4.27	71	3737	5949	99,564	85,172		
	58	1574.4			3.45	3.67	48	5431	5775	75,526	95,550		
	60	166.6			2.59	4.37	33	431	738	5498	10,111		
	62 ^W	756			3.31	3.9	45	2500	2948	33,642	45,882		
	52-62 ^W	4092.4			3.12	3.91	54	12,771	15,995	222,486	248,368		
	52-62 ^W	/	(770)		3.3	4.6	34	(2541)	(3542)	(26,180)	(46,731)		
7.6	52 ^W -62 ^W	15,363.8			4.44	5.73	59	68,164	88,107	903,578		932,429	
7.6	52-62 ^W	/	(770)		3.3	4.6	34	(2541)	(3542)	(26,180)		46,731	
4-6 [%]	52 ^W	727.5			1.95	2.94	46	1417	2137	33,635	44,152		
	54	/	(1610)		1.9	2.6	22	(3059)	(4186)	(35,420)	(97,711)		
	56	1542.9			2.22	2.19	31	3420	3378	48,143	93,639		
	58	2336.4			2.27	2.82	32	5293	6593	74,627	141,796		
	60	2952.3			2.41	2.48	33	7124	7389	96,815	179,175		
	62 ^W	2948.7			2.59	2.15	34	7623	6343	99,239	178,957		
	52 ^W -62 ^W	10,507.8			2.37	2.45	34	24,877	25,768	352,459	637,718		
	52 ^W -62 ^W	/	(1610)		1.9	2.6	22	(3059)	(4186)	(35,420)	(97,711)		
7.4 [%]	52-62 ^W	25,871.6			3.6	4.40	49	93,041	113,867	1,256,037		1,570,147	
7.4 [%]	52-62 ^W	/	(2390)		2.35	3.25	26	(5600)	(7738)	(61,600)		(144,442)	

Date: May 16, 1977

Calc'n. by: J. L. Hunt

Revised:

MINERAL RESERVE SUMMARY

SECTION - LEGEND

GRUM DEPOSIT

DATE: MARCH 4/77

CALCULATION BY: F.L.

REVISED:

ZONE EGMENT	DIP Length	Thick- ness	AREA m ²	S.G.	TONNE m	GRADE			Pb +	Total Sulph. %	REMARKS
						Pb %	Zn %	Ag gm/m ²			
											7-12% Pb+Zn
											10-12%
											8-10%
											6-8%
											4-6%
											⊗ Mineral adjoining higher grade H.W. or F.W.
											* Mineral not adj. H.W. or F.W. of higher grade.
											T sub-total, Grand total
											K Mineral on KERR ADDISON ground
											V Mineral on VANGORDA ground
											KV Min. on KERR and VANGORDA
<p>SYMBOLS ON SECTIONS 62^w, 64^w, 66^w, & 68^w } (SECTIONS 70^w to 86^w do not show these symbols, as all ore is on Kerr Addison ground.)</p>											

(DRILL INDICATED) MINERAL RESERVE SUMMARY - (FREE OPTION)

SECTION - 56 W (135 to 15) and (55 W to 57 W)

DATE: May 11, 1977

CALCULATION BY: *AL*

GRUM DEPOSIT - CHAMP ZONE

REVISED:

ZONE ELEMENT	DIP Length	Thick- ness	AREA m ²	S.G.	TONNE m	GRADE			TONNE x GRADE			Pb + Zn %	Total Sulph. %	REMARKS
						Pb %	Zn %	Ag gm/m ³	Pb % m.t.	Zn % m.t.	Ag gm m.t.			
⊗ D-1	60	2.2	132	4	528	1.90	2.17	31	100.3	11.46	16,368	1		⊗ H.W. of D-2
⊗ D-2	61	3	183	4	732	4.78	4.33	51	3499	3170	37,332	7		⊗ H.W. of D-3
D-3	61	6.3	384.3	4	1537	6.57	9.26	68	10,099	14,234	104,530	15		
⊗ D-4	52	4.8	249.6	4	998.4	3.31	5.61	40	3305	5,601	39,936	7		⊗ FW of D-3
D-5	70	4.4	308	3	924	3.51	5.63	41	3243	5502	37,884	7		
⊗ D-6	51	2.9	147.9	3	443.7	2.50	4.14	37	1109	1937	67,966	7		⊗ FW of D-5
D-7	45	3.1	139.5	3	418.5	3.19	4.64	38	1335	1942	15,903	7		
⊗ D-8	36	1.3	46.8	3	140.4	2.08	2.88	27	292	404	3791	1		⊗ H.W. of D-9
D-9	41	4.4	180.4	3	541.2	2.39	4.01	29	1293	2170	15,695	7		
D-10	55	5.3	291.5	3	874.5	2.43	2.09	32	2125	1828	27,984	1		
D-11	47	3	141	4	564	3.77	4.76	47	2186	2685	26,508	7		
> 12% ¹¹³⁷	61	6.3	384.3	4	1537	6.57	9.26	68	10,099	14,234	104,530	15.83		
10-12	/	/	/	/	/	/	/	/	/	/	/	/		
T > 10	61	6.3	384.3	4	1537	6.57	9.26	68	10,099	14,234	104,530	15.83		
⊗ B-10	(113)	(3.8)	432.6	4	1730.4	3.93	5.07	45	6804	8771	77,268	9.00		
* B-10	117	3.8	449	3.31	1488	3.61	5.50	43	5369	8167	64,392	9.11		
T B-10	(230)	(3.8)	881.6	3.65	3218.4	3.78	5.27	44	12,173	16,958	141,660	9.05		
⊗ > 8	61	13.4	816.9	4	3267.4	5.17	7.04	56	16,903	23,005	181,798	12.21		
T > 8	178	7.1	1265.9	3.76	4755.4	4.68	6.56	52	22,272	31,192	246,190	11.24		
⊗ 6-8	(151)	(2.9)	147.9	3	443.7	2.50	4.14	37	1109	1837	67,966	6.64		
* 6-8	86	3.7	319.9	3	959.7	2.74	4.28	33	2628	4112	31,598	7.02		
T 6-8	(137)	(3.4)	467.8	3	1403.4	2.66	4.24	71	3737	5949	99,564	6.90		
⊗ > 6	178	7.9	1413.8	3.68	5199.1	4.5	6.35	60	23,381	33,029	314,156	10.85		
T > 6	264	6.6	1733.7	3.55	6158.8	4.22	6.03	56	26,009	37,141	345,754	10.25		
⊗ 4-6	(96)	(1.9)	178.8	3.74	668.4	1.94	2.32	30	1295	1550	20,159	4.26		
* 4-6	55	5.3	291.5	3	874.5	2.43	2.09	32	2125	1828	27,984	4.52		
T 4-6	(151)	(3.1)	470.3	3.28	1542.9	2.22	2.19	31	3420	3378	48,143	4.41		
⊗ > 4	264	7.2	1912.5	3.57	6827.2	4.0	5.67	54	27,304	38,691	365,913	9.67		
T > 4	319	6.9	2204	3.49	7701.7	3.82	5.26	51	29,429	40,519	393,897	9.08		

(DRILL INDICATED) MINERAL RESERVE SUMMARY (KERR OPTION)

SECTION 60 W (13^s to 1^s) & (59^w to 61^w)

DATE: May 10, 1977

CALCULATION BY: *26*

GRUM DEPOSIT - CHAMP ZONE

REVISED:

ZONE SEGMENT	DIP Length	Thick- ness	AREA m ²	S.G.	TONNE m	GRADE			TONNE x GRADE			Pb + Zn %	Total Sulph. %	REMARKS
						Pb %	Zn %	Ag g ^m /m ³	Pb % m.t.	Zn % m.t.	Ag g ^m m.t.			
D-1	49	3	147	3	441	2.42	2.5	33	1067	1103	14,553	1		
D-2	66	5.4	356.4	3	1069.2	4.06	6.15	54	4341	6576	57,737	□		
D-3	64	3	192	4	768	2.5	1.87	35	1920	1436	26,890	1		
⊗ D-4	42	0.7	29.4	3.5	102.9	2.50	3.42	28	257	352	2881	1		⊗ HW of D-5
D-5	64	7.8	499.2	4	1996.8	4.65	7.07	67	9285	14,117	133,786	□		
⊗ D-6	34	1.4	47.6	3.5	166.6	2.59	4.37	33	431	728	5498	Γ		⊗ FW of D-5
D-7	55	3	165	3.5	577.5	3.68	5.06	48	2125	2922	27,720	Γ		
D-8	33	3.7	122.1	4	488.4	2.69	2.85	43	1314	1392	21,001	1		
D-9	44	3	132	3	396	2.49	2.45	28	986	970	11,088	1		
D-10	60	4.2	252	3	756	2.09	2.72	27	1580	2056	20,412	1		
7 12 ^W 13 ^E	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10-12	130	6.6	855.6	3.58	3066	4.44	6.75	62	13,626	20,693	191,523	11.19		
7 10	130	6.6	855.6	3.58	3066	4.44	6.75	62	13,626	20,693	191,523	11.19		
⊗ B-10	(/)	(/)	/	/	/	/	/	/	/	/	/	/	/	
* B-10	55	3	165	3.5	577.5	3.68	5.06	48	2125	2922	27,720	8.74		
† B-10	55	3	165	3.5	577.5	3.68	5.06	48	2125	2922	27,720	8.74		
⊗ 7 8	130	6.6	855.6	3.58	3066	4.44	6.75	62	13,626	20,693	191,523	11.19		
† 7 8	185	5.5	1020.6	3.57	3643.5	4.32	6.48	60	15,751	23,615	219,243	10.50		
⊗ 6-8	(34)	(1.4)	47.6	3.5	166.6	2.59	4.37	33	431	728	5498	6.96		
* 6-8	/	/	/	/	/	/	/	/	/	/	/	/	/	
† 6-8	(34)	(1.4)	47.6	3.5	166.6	2.59	4.37	33	431	728	5498	6.96		
⊗ 7 6	185	5.8	1068.2	3.57	3810.1	4.25	6.39	59	16,182	24,343	224,741	10.64		
† 7 6	185	5.8	1068.2	3.57	3810.1	4.25	6.39	59	16,182	24,343	224,741	10.64		
⊗ 4-6	(42)	(0.7)	29.4	3.5	102.9	2.50	3.42	28	257	352	2881	6.96		
* 4-6	250	3.4	845.1	3.37	2849.4	2.41	2.44	33	6867	6957	93,934	4.55		
† 4-6	()	()	874.5	3.38	2952.3	2.41	2.48	33	7124	7309	96,815	4.59		
⊗ 7 4	185	5.9	1097.6	3.57	3913	4.20	6.31	58	16,439	24,695	227,622	10.51		
† 7 4	435	4.5	1942.7	3.48	6762.4	3.45	4.68	48	23,306	31,652	321,556	8.13		

