K. FLATHEAD MELATCHIE (\$8) 73(6) A

RESERVES ESTIMATE CHARTS

AREA: FLATHEAD RIDGE (MOLATCHIE CREEK)

TABLE Nº: 78

RESERVE ESTIMATE - (0 -/500' COVER)

		PI	гсн с) - 15°					PITCH	H 15°-	- 30°)			· · · · · · · · · · · · · · · · · · ·	PITO	CH 30	°-90)•			CUMULA	TIVE T	OTALS-	- RECOV	ERABLE	RESER	VES	<u> </u>	
SEAM AVG. NAME THICK.	TONS IN PLACE	RESERVE MINING CLASS. METHOD	TONS	CALC.	AT	TONS WASHED	TONS IN	RESERVE	MINING	TONS	CALC.	AT	TONS	TONS IN	RESERVE	1		· , 	•	TONS	OPE				VENTIONAL				, <u>, , , , , , , , , , , , , , , , , , </u>	
NAME THICK.	(000's)	CLASS. METHOD	RECOVERED (000's)	YIELD	SP. GR.	WASHED (000's)	PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	WASHED (000's)	PROVEN	PARTIALLY PROJECTED EXPLORED	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	TOTALS	NAME
4 24.5				_			3,5 50	8	H	1,775				18,087	ප	14	9,044					•					TAT EURED		TOO O TO TO GLEAT	†
/ 36.7						- <u></u>								35,079	B	H	17,540													+
41 21.8	, ,		•											21,321	В	н	10,661				•				-				<u> </u>	
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							,																	-						
					7-4-10° W									<u> </u>	1					<u> </u>									***	
			,												 													•		
PROVEN										<u> </u>								1						 						
PART. EXPL'D					•	-		-	-			-	Mark Control of the C		1			-						 	-	<u></u>	<u> </u>			.
PROJECTED .		<u> </u>					3,550		ļ	1,775	-			74,487	1		37,245	1	:		-		_						· ·	
TOTALS			<u> </u>			:	3,550			4775				74,487			37,245	ļ					<u> </u>							

NOTE: (1) Average thickness computed from observations. (ie. drill holes, adit and outcrop measurements.)

(2)(i) Tons in place (cu. yds.) determined from (a) Area of unmined coal.

- (b) Average thickness as determined from (1) (ii) I cutyd, of coal in place = 1-15 net tons raw
- (iii) Slope correction applied to (2)(i)(a). (Area of unmined coal.) as follows:
- (a) For 0°-15° pitch -correction of 71/2° applied to area.
- (b) For 15°-30° pitch -correction of 22 1/2 applied to area.
- (c) For 30°-90° pitch correction of 45° appred to orea.

- (3) Reserve Classification Definitions for KRL property.
- A Proven Reserves (in Place) -

Tons of coal (1·15 nt/cu.yd.) in the ground computed from observations (ie. drill holes, adits, outcrops, mine workings) spaced at intervals of 0.5 miles or less in areas of good geological continuity, with seam thickness greater than 5 feet and under less than 2500 feet of overburden.

B - Partially Explored Reserves - (In Place) -

Tons of coal (1·15 nt/cu.yd.) in the ground computed partially from observations generally spaced at intervals from 0.5 to 1.5 miles apart and partially from reasonable geological projections. Minimum seam thickness is 5 feet, and maximum overburden 2500 feet. Generally equivalent to "Probable" or "Indicated" in other systems of nomenclature.

C - Projected Reserves - (In Place) -

Tons of coal (1:15 nt/cu.yd.) in the ground where little direct evidence is available but where geological studies have indicated the continuity of the coal bearing measures. Coal seam thickness projected from adjacent areas.

(4) Mining Method -

- H Probably better suited to hydraulic mining method. Used 50% recovery.
- C Probably suited to conventional room and pillar method. Used 15% recovery.
- R Probably suited to selective mining because of splits or proximity to other seams. Used 15% recovery.
- O Open Pit reserve. Assumed 85% recovery.
- (5) Reserves Recoverable -

Proven Reserves (Recoverable) -

Proven Reserves (In Place) adjusted by well substantiated factors for mining and washing recovery.

Partially Explored Reserves (Recoverable) —

Partially Explored Reserves (In Place) adjusted by generalized factors for mining and washing recovery.

- (6) Calculated yield (laboratory) at defined specific gravity arrived at
- by (a) bulk sample wash tests from adits and/or test pits.
- or (b) micro sample wash tests from adits and/or test pits.

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AREA:

AREA: FLATHERD RIDGE (MCLATCHIE CREEK)
TABLE Nº: 79

RESERVE ESTIMATE - (1500: 2500' COVER)

			PI	TCH C	0 - 15	0			F	PITCH	- 15°-	- 30°	•	:			PIT	CH 3	0°-9	>				CUMULA	TIVE T	OTALS-	- RECOV	ERABLE	RESER	√ES	
				····		- T					<u> </u>	1		7010	7010 11	DECEDA	- NAME OF THE PERSON OF THE PE	TONG	CALC	AT	TONS	OPE	EN PIT MI	NING	1	DUND CON		4	OUND HY	DRAULIC	SEAM
SEAM NAME	AVG. THICK.	TONS IN PLACE (000's)	RESERVE MINING CLASS. METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS. M	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS	METHO	TONS D RECOVERI	ED YIELD	SP. GR.	WASHED (000's)	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	TOTALS SEAM NAME
4	24.5	•						3,303	8	Н	1,652				11,127	В	Н	5,564												, 	
	36.7							5,399	B	н	2,699				13,994	В	14	6.997						· ·	•						
41								3./77	8	щ	1,589				9,284	В	H	4,642						· .					•		
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PART.	-			***	~			11.879		Ī	5,940				34,405			17,203						·	:						
PROJE	-	 -			_			· · · · · · · · · · · · · · · · · · ·	7		-,,,,-	7				7							•								
тот								11.879			5,940				34,405			17,20	3				-								

NOTE: (1) Average thickness computed from observations. (ie. drill holes, adit and outcrop measurements.)

(2)(i) Tons in place (cu. yds.) determined from : (a) Area of unmined coal.

(b) Average thickness as determined from (1)

- (ii) I cu, yd. of coal in place = 1·15 net tons raw.
- (iii) Slope correction applied to (2)(i)(a). (Area of unmined coal.) as follows:
- (a) For 0°-15° pitch -correction of 71/2° applied to area.
- (b) For 15°-30° pitch -correction of 221/2° applied to area.
- (c) For 30°-90° pitch correction of 45° applied to area.

- (3) Reserve Classification Definitions for KRL property.
- A Proven Reserves (In Place) -

Tons of coal (I-15nt/cu.yd.) in the ground computed from observations (ie. drill holes, adits, outcrops, mine workings) spaced at intervals of 0-5 miles or less in areas of good geological continuity, with seam thickness greater than 5 feet and under less than 2500 feet of overburden.

B - Partially Explored Reserves - (In Place) -

Tons of coal (1·15 nt/cu.yd.) in the ground computed partially from observations generally spaced at intervals from 0·5 to 1·5 miles apart and partially from reasonable geological projections. Minimum seam thickness is 5 feet, and maximum overburden 2500 feet. Generally equivalent to "Probable" or "Indicated" in other systems of nomenclature.

C - Projected Reserves - (In Place) -

Tons of coal (1-15 nt/cu.yd.) in the ground where little direct evidence is available but where geological studies have indicated the continuity of the coal bearing measures. Coal seam thickness projected from adjacent areas:

- (4) Mining Method -
- H Probably better suited to hydraulic mining method. Used 50% recovery.
- C Probably suited to conventional room and pillar method. Used 15% recovery.
- R Probably suited to selective mining because of splits or proximity to other seams.

 Used 15% recovery.
- O Open Pit reserve. Assumed 85% recovery.
- (5) Reserves Recoverable -

Proven Reserves (Recoverable) -

Proven Reserves (In Place) adjusted by well substantiated factors for mining and washing recovery.

Partially Explored Reserves (Recoverable) —

Partially Explored Reserves (In Place) adjusted by generalized factors for mining and washing recovery.

- (6) Calculated yield (laboratory) at defined specific gravity arrived at
- by (a) bulk sample wash tests from adits and/or test pits,
- or (b) micro sample wash tests from adits and/or test pits.

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AREA: TABLE Nº: AREA: FLATHEAD RIDGE [McLATCHIE CREEK]

TABLE Nº: 80

RESERVE ESTIMATE - (+2500' COVER

				PI	ТСН	0-15	5°		·		PITC	H 15°-	- 30°	•				PITO	CH 30	°-90	•				CUMULA	TIVE T	OTALS-	- RECOV	ERABLE	RESER	/ES		
SEAM	AVG	TONS IN	RESER	VE MINING	TONS	CALC	. ΔT	TONS	TONS IN	DESERVE	MINING	TONS	CALC	ΔТ	TONS	TONS IN	DESERVE	MINING	TONS	CALC	ΔТ	TONS	OPE	EN PIT MI	DING	UNDERGR	OUND CON	VENTIONAL	UNDERG	ROUND HY	DRAULIC		CEAN
NAME	AVG. THICK.	TONS IN PLACE (000's)	CLAS	S. METHOD	TONS RECOVER (000's)	ED YIEL	SP. GR	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP, GR.	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	TOTALS	NAME
_4	24.5									C												·		<u> </u>									
	36.7			· · ·					6,350	c	Н					166	c	H							•	•							
21	21.8								13,404	c	14					382	c	H										-					
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PROJ	ECTED -								19.754				1			548	7			1			1	L		† ·	<u> </u>		†				†
ТОТ	rals								19,754							548						· • · · · · · · · · · · · · · · · · · ·				•		•	·				

NOTE: (1) Average thickness computed from observations. (ie. drill holes, adit and outcrop measurements.)

(2)(i) Tons in place (cu. yds.) determined from : (a) Area of unmined coal.

(b) Average thickness as determined from (1)

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- (b) For 15°-30° pitch -correction of 221/2° applied to area.
- (c) For 30°-90° pitch exprection of 45° applied to area.

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- H Probably better suited to hydraulic mining method. Used 50% recovery.
- C Probably suited to conventional room and pillar method. Used 15% recovery.
- R Probably suited to selective mining because of splits or proximity to other seams.

 Used 15% recovery.
- O Open Pit reserve. Assumed 85% recovery.
- (5) Reserves Recoverable -

Proven Reserves (Recoverable) -

Proven Reserves (In Place) adjusted by well substantiated factors for mining and washing recovery.

Partially Explored Reserves (Recoverable) —

Partially Explored Reserves (In Place) adjusted by generalized factors for mining and washing recovery.

- (6) Calculated yield (laboratory) at defined specific gravity arrived at
- by (a) bulk sample wash tests from adits and/or test pits,
- or (b) micro sample wash tests from adits and/or test pits.

301 1/2

AREA:

AREA: FLATHEAD RIDGE (NORTH LODGEPOLE)

TABLE Nº: 8/

RESERVE ESTIMATE - (0-1500 COVER)

	-			PI.	тсн с) - 15°	•				PITCH	1 15°-	- 30°					PITO	CH 30°	-9 0	,•			(CUMULA	TIVE T	OTALS-	- RECOVE	ERABLE	RESER	/ES		
SEAN	M AVG.	TONS IN	RESERV	EMINING	TONS	CALC.	AT	TONS	TONS IN	RESERVE	MINING	TONS	CALC	Δτ	TONS	TONS IN	RESERVE	MINING	TONS	CALC.	AT	TONS	OPI	EN PIT MI	NING	1		/ENTIONAL				SE/	АМ
NAMI	M AVG. E THICK.	TONS IN PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	WASHED (000's)	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	TOTALS SEA	ME
5	21.0	3 906	<u>8</u>	Н.	1,953	91.9	1.70	1,795	5,421.	В		2,7//	91.9	1.70	2,491	·		·			ļ		·						•	4,286		4,286 5	5
4	19.0	1,109	B	H_	55 5	80.7	1.55	448	2,116	B		1,058	80.7	1.55	854										•					1,302		1.302 4	2
3	26.0	13,449	В	H	6,725	70.0	1.60	4,707	11,116	В	Н.	5,558	70.0	1.60	3,89/	12,823	B	H	6,411	70.0	1.60	4,488						-		13.086		13.086	3
1	40.0	11,454		l i			1	3.179	20,634	1 1	Ι.		1	1.50	5,726	1,839	1	1		55.5									· -	9,415		9,415	
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PART	. EXPL'D	29,9/8			14,960			10,129	39 287	7		19,644			12 962	14.662]		7,330] .		4,998				=======================================		1 1		28,089		28 029	
PRO	JECTED .									7]			1] .			7							
то	TALS	<u></u>					-															•						<u> </u>					************

NOTE: (1) Average thickness computed from observations. (ie. drill holes, adit and outcrop measurements.)

- (2)(i) Tons in place (cu. yds.) determined from : (a) Area of unmined coal.
 - (b) Average thickness as determined from (1)
- (ii) I cu, yd. of coal in place = 1-15 net tons raw.
- (iii) Slope correction applied to (2)(i)(a). (Area of unmined coal.) as follows:
- (a) For 0°-15° pitch -correction of 7½° applied to area.
- (b) For 15°-30° pitch -correction of 221/2° applied to area.
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- (3) Reserve Classification Definitions for KRL property.
- A Proven Reserves (In Place) -

Tons of coal (I-15nt/cu.yd.) in the ground computed from observations (ie. drill holes, adits, outcrops, mine workings) spaced at intervals of 0.5 miles or less in areas of good geological continuity, with seam thickness greater than 5 feet and under less than 2500 feet of overburden.

B - Partially Explored Reserves - (In Place) -

Tons of coal (1-15 nt/cu.yd.) in the ground computed partially from observations generally spaced at intervals from 0.5 to 1.5 miles apart and partially from reasonable geological projections. Minimum seam thickness is 5 feet, and maximum overburden 2500 feet. Generally equivalent to "Probable" or "Indicated" in other systems of nomenclature.

C - Projected Reserves - (In Place) -

Tons of coal (1-15 nt/cu.yd.) in the ground where little direct evidence is available but where geological studies have indicated the continuity of the coal bearing measures. Coal seam thickness projected from adjacent areas.

- (4) Mining Method -
- H Probably better suited to hydraulic mining method. Used 50% recovery.
- C Probably suited to conventional room and piller method. Used 15% recovery.
- R Probably suited to selective mining because of solits or proximity to other seams. Used 15% recovery.
- 0 Open Pit reserve. Assumed 85% recovery.
- (5) Reserves Recoverable -

Proven Reserves (Recoverable) -

Proven Reserves (In Place) adjusted by well substantiated factors for mining and washing recovery. Partially Explored Reserves (Recoverable) —

Partially Explored Reserves (In Place) adjusted by generalized factors for mining and washing recovery.

- (6) Calculated yield (laboratory) at defined specific gravity arrived at
 - by (a) bulk sample wash tests from adits and/or test pits,
 - or (b) micro sample wash tests from adits and/or test pits.

AREA:

FLATHEAD RIDGE (NORTH LODGEPOLE) AREA:

TABLE Nº: 82

RESERVE ESTIMATE - (1500'-2500' COVER)

			P	ITCH	0-15	5•	•			PITC	H 15°-	- 30°	•			:	PITC	H 30°	, –90)•				CUMULA	TIVE T	OTALS-	- RECOV	ERABLE	RESER	/ES		
0504	TONS	IN DESI					TONE	TONGIN	DECEDVE	MINING	TONG	CALC	1 47	TONE	TONGIN	DECEDVE	MINING	TONS	CALC	ΔT	TONS	OP	EN PIT MI	NING		OUND CON						SFAM
SEAM AVE NAME THIC	K. PLACE (000's)	E CL	RVE MINING SS. METHOL	RECOVER	ED YIELD	SP. G	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD.	SP. GR.	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR	. WASHED (000's)	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	TOTALS (000's TONS CLEAN)	NAME
5 21.0			<i>H</i>		91.9	1.7	0		В	Н		91.9	1.70						91.9	1.70			.,									5
4 19.0			3 4	.	80.	7 1.5.	5	6	8	H	3	80.7	1.55	2					80.7	1.55		· .		•	•				2		2	4
1	7.161		3 4	3, 58/	. 70.	0 1.6	0 2,506	7,413	В	Н	3,706	70.0	1.60	2,595		ļ <u>-</u> .			70.0	1.60					<u> </u>				5,101		5,101	3
	23 2 44		3 H	11,62	55.	5 1.5	0 6,450	/3,050	8	• н	6,525	55.5	1.50	3,622	807	8	H_	404	55.5	1.50	224						-	. "	10,296	•	10,296	
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PROVEN									_					-	<u></u>	_	-		_			<u> </u>		_			_		<u> </u>			_
PART. EXPL	D 30, 40;	5		15,203			8,956	20, 469	_		10,234	_		6,219	807	_	-	404	1		224	_			_				15,399		15,399	1
PROJECTED						<u> </u>							. in	-		<u> </u>						<u> </u>					1		· · · · · · · · · · · · · · · · · · ·			
TOTALS	30,405	5	•	15,203	,		8,956	20,469			10,234			6,219	807			404			224							· .				

NOTE: (1) Average thickness computed from observations. (ie. drill holes, adit and outcrop measurements.)

(2)(i) Tons in place (cu. yds.) determined from (a) Area of unmined coal. (b) Average thickness as determined from (1)

- (ii) I cu, yd. of coal in place = 1·15 net tons raw.
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- (a) For 0°-15° pitch -correction of 71/2° applied to area.
- (b) For 15°-30° pitch -correction of 221/2° applied to area.
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Tons of coal (I-15nt/cu.yd.) in the ground computed from observations (ie. drill holes, adits, outcrops, mine workings) spaced at intervals of 0.5 miles or less in areas of good geological continuity, with seam thickness greater than 5 feet and under less than 2500 feet of overburden.

B - Partially Explored Reserves - (In Place) -

Tons of coal (1·15 nt/cu.yd.) in the ground computed partially from observations generally spaced at intervals from 0.5 to 1.5 miles apart and partially from reasonable geological projections. Minimum seam thickness is 5 feet, and maximum overburden 2500 feet. Generally equivalent to "Probable" or "Indicated" in other systems of nomenclature.

C - Projected Reserves - (In Place) -

Tons of coal (1-15 nt/cu.yd.) in the ground where little direct evidence is available but where geological studies have indicated the continuity of the coal bearing measures. Coal seam thickness projected from adjacent areas.

- (4) Mining Method -
- H Probably better suited to hydraulic mining method. Used 50% recovery.
- C Probably suited to conventional room and pillar method. Used 15% recovery.
- R Probably suited to selective mining because of splits or proximity to other seams.
- Used 15% recovery.
- 0 Open Pit reserve. Assumed 85% recovery.

(5) Reserves Recoverable -

Proven Reserves (Recoverable) -

Proven Reserves (In Place) adjusted by well substantiated factors for mining and washing recovery. Partially Explored Reserves (Recoverable) -

Partially Explored Reserves (In Place) adjusted by generalized factors for mining and washing recovery.

(6) Calculated yield (laboratory) at defined specific gravity arrived at

- by (a) bulk sample wash tests from adits and/or test pits,
- or (b) micro sample wash tests from adits and/or test pits.

AREA: TABLE Nº

FLATHEAD RIDGE (NORTH LODGEPOLE) AREA: TABLE Nº: 83

RESERVE ESTIMATE - (+2500' COVER)

		PI.	TCH C	0 - 15°				PITC	H 15°-	- 30°	•	<u> </u>		PI	TCH 3)°-90) °				CUMULA	TIVE TO	OTALS—	RECOVI	ERABLE	RESER	/ES		
SEAM AVG	TONS IN	DECEDIE MINING	TONS	T CALC AT	TONS	TONS IN	DESERVE	MINING	TONS	CALC	АТ	TONS	TONS IN	RESERVE MINI	IG TONS	CALC	ΔΤ	TONS		EN PIT MI			OUND CONV					1	SEAM
SEAM AVG. NAME THICK.	TONS IN PLACE (000's)	RESERVE MINING CLASS. METHOD	RECOVERED (000's)	YIELD SP. 0	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP, GR.	TONS WASHED (000's)	TONS IN PLACE (000's)	RESERVE MINI CLASS. METH	IG TONS OD RECOVERS (000's)	D YIELD	SP. GR.	WASHED (000's)	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED (TOTALS	NAME
5 21.0	·																			,									
4 19.0	<u>-</u>														=-							<u> </u>		<u> </u>					
3 26.0									·															-					
1 40.0		C H		55.5 1.5	·o												<u> </u>							• •	<u> </u>	·			
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PROVEN							_												<u> </u>								↓		_
PART. EXPL'D							_												_			_						·	
PROJECTED .	/, 368				·												· · · · ·				,					:			
TOTALS	1, 368																					-						<u> </u>	

NOTE: (1) Average thickness computed from observations. (ie. drill holes, adit and outcrop measurements.) (2)(i) Tons in place (cu.yds.) determined from : (a) Area of unmined coal.

(b) Average thickness as determined from (1)

- (ii) I cu, yd. of coal in place = 1·15 net tons raw.
- (iii) Slope correction applied to (2)(i)(a). (Area of unmined coal.) as follows:
- (a) For 0°-15° pitch -correction of 7½° applied to area.
- (b) For 15°-30° pitch -correction of 22 1/2° applied to area.
- (c) For 30°-90° pitch correction of 45° applied to area.

- (3) Reserve Classification Definitions for KRL property.
- A Proven Reserves (In Place) -

Tons of coal (I-15nt/cu.yd.) in the ground computed from observations (ie. drill holes, adits, outcrops, mine workings) spaced at intervals of 0.5 miles or less in areas of good geological continuity, with seam thickness greater than 5 feet and under less than 2500 feet of overburden.

B - Partially Explored Reserves - (In Place) -

Tons of coal (1-15 nt/cu.yd.) in the ground computed partially from observations generally spaced at intervals from 0.5 to 1.5 miles apart and partially from reasonable geological projections. Minimum seam thickness is 5 feet, and maximum overburden 2500 feet. Generally equivalent to "Probable" or "Indicated" in other systems of nomenclature.

C - Projected Reserves - (In Place) -

Tons of coal (1-15 nt/cu.yd.) in the ground where little direct evidence is available but where geological studies have indicated the continuity of the coal bearing measures. Coal seam thickness projected from adjacent areas.

(4) Mining Method -

- H Probably better suited to hydraulic mining method. Used 50 % recovery.
- C Probably suited to conventional room and pillar method. Used 15% recovery.
- R Probably suited to selective mining because of splits or proximity to other seams. Used 15% recovery.
- 0 Open Pit reserve. Assumed 85% recovery.

(5) Reserves Recoverable -

Proven Reserves (Recoverable) -

Proven Reserves (In Place) adjusted by well substantiated factors for mining and washing recovery. Partially Explored Reserves (Recoverable) —

Partially Explored Reserves (In Place) adjusted by generalized factors for mining and washing recovery.

(6) Calculated yield (laboratory) at defined specific gravity arrived at

- by (a) bulk sample wash tests from adits and/or test pits,
- or (b) micro sample wash tests from adits and/or test pits.

AREA:

AREA: FLATHEAD RIDGE (WEST LODGEPOLE)

TABLE Nº: 84

RESERVE ESTIMATE - (2:/500' COVER)

			·····	PI'	TCH C) - 15°	•				PITCH	1 15°-	- 30°					PITC	H 30'	°-90	•				CUMULA	TIVE T	OTALS-	- RECOV	ERABLE	RESER	√ES	
0544	A./O	TONG IN	DECEDVE					TONG	TONG IN	T				AT	TONG	TONC IN	BECERVE			 -		TONS	OPE	EN PIT MI	NING	1	OUND CON			ROUND HY	DRAULIC	SEAM
NAME	AVG, THICK.	PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	WASHED (000's)	PROVEN	PARTIALLY EXPLORED		PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	TOTALS SEAM NAME
7	18.0	455	B	R	68	97.2	1.70	66	11,423	В	R	1,713	97.2	1.70	1.665									· ·			1,731			†		1,731 7
5 ¢ 6	34.0	/82	8		27	89.6	1.70	24	21,544	В	R	3, 232	89.6	1.70	2,896			ļ							•	• .	2,920			_		2,920 516
- F	ŀ		8	R	1,619	80.7	1.55	1,307	20,501				i I				<u> </u>										3,789					3,789 4
		22.660	ŀ					. 2931	1			13,932	1												·	<u> </u>				17,683		17,683 3
1		18,837	1	H	9,419			5,228				12,927	1		9,977	592	8	14	296	55,5	1.50	164								15, 369		15,369 /
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PROV			···	•								····			•.																	
PART. PROJ	EXPL'D	52,927	-		22,463			14.556	117,286		-	39, 929		4	26,772	592			296			164					8,440			33,05 2		41,492
ТОТ	ALS	52,927			22,463			14,556	117, 286			39 , 9 <i>2</i> 9		. 2	26,772	592			296			/64										

NOTE: (1) Average thickness computed from observations. (ie. drill holes, adit and outcrop measurements.) (2)(i) Tons in place (cu. yds.) determined from (a) Area of unmined coal.

(b) Average thickness as determined from (1)

- (ii) I cu.yd. of coal in place = 1·15 net tons raw.
- (iii) Slope correction applied to (2)(i)(a). (Area of unmined coal.) as follows:
- (a) For 0°-15° pitch -correction of 7½° applied to area.
- (b) For 15°-30° pitch -correction of 221/2° applied to area.
- (c) For 30°-90° pitch correction of 45° applied to area.

- (3) Reserve Classification Definitions for KRL property.
- A Proven Reserves (In Place) -

Tons of coal (1·15 nt/cu.yd.) in the ground computed from observations (ie. drill holes, adits, outcrops, mine workings) spaced at intervals of 0.5 miles or less in areas of good geological continuity, with seam thickness greater than 5 feet and under less than 2500 feet of overburden.

B - Partially Explored Reserves - (In Place) -

Tons of coal (1-15 nt/cu.yd.) in the ground computed partially from observations generally spaced at intervals from 0.5 to 1.5 miles apart and partially from reasonable geological projections. Minimum seam thickness is 5 feet, and maximum overburden 2500 feet. Generally equivalent to "Probable" or "Indicated" in other systems of nomenclature.

C - Projected Reserves - (In Place) -

Tons of coal (1·15 nt/cu.yd.) in the ground where little direct evidence is available but where geological studies have indicated the continuity of the coal bearing measures. Coal seam thickness projected from adjacent areas,

- (4) Mining Method -
- H Probably better suited to hydraulic mining method. Used 50% recovery.
- C Probably suited to conventional room and pillar method. Used 15% recovery.
- R Probably suited to selective mining because of splits or proximity to other seams. Used 15% recovery.
- 0 Open Pit reserve. Assumed 85% recovery.
- (5) Reserves Recoverable -

Proven Reserves (Recoverable) -

Proven Reserves (In Place) adjusted by well substantiated factors for mining and washing recovery.

Partially Explored Reserves (Recoverable) —

Partially Explored Reserves (in Place) adjusted by generalized factors for mining and washing recovery.

(6) Calculated yield (laboratory) at defined specific gravity arrived at

- by (a) bulk sample wash tests from adits and/or test pits,
- or (b) micro sample wash tests from adits and/or test pits.

TABLE Nº

AREA:

RESERVE ESTIMATE - (/500'-2500' COVER)

				PIT	TCH C						PITO	CH 15°	- 30	•				PIT	CH 30	0°-9	O°					TIVE T	OTALS-	- RECOVE	ERABLE	RESER	√ES	· · · · · · · · · · · · · · · · · · ·	
SEAM	AVG. THICK.	TONS IN PLACE	RESERVE	MINING	TONS	CALC.	AT	TONS	TONS IN	RESERV	E MINING	TONS	CALC.	AT	TONS	TONS IN	RESERV	E MINING	TONS	CALC	AT	TONS	1	N PIT MI				VENTIONAL	UNDERGR	OUND HY	DRAULIC	-	SEAM
NAME	THICK.	PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS	. METHOD	TONS RECOVERED (000's)	YIELD	SP. GR	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS	METHOD	TONS RECOVERE (000's)	ED YIELD	SP. GR.	WASHED (000's)	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	TOTALS	NAME
7	18.0		B	R		97.2	1.70			8	R		97.2	1.70		,			<u> </u>														
516	34.0	479	В	R	72	89.6	1.70	65	954		R	143	_ 89.6	1.70	128										•		193					193	
4	19.0	1,815	ì	R				219	1,721					1.55													428					428	
3	30.0	3,167	8	Н	1,584	70.0	1.60	1,109	14,488	8					5,071															6,180		6,180	
		•						4,086		1	Ì	16,758			9,301															13,387		13,387	
																																	
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PART.	EXPL'D	20, 184			9,290			5, 479	53,679			24,403			14,709												621	7		19,567	†	20,188	1
PROJ	ECTED .]]			· ·				
ТО	rals	20, 184			9,290			5,479	53,679			24,403			14,709															-			-

NOTE: (1) Average thickness computed from observations. (ie. drill holes, adit and outcrop measurements.) (2)(i) Tons in place (cu. yds.) determined from (a) Area of unmined coal.

(b) Average thickness as determined from (1)

- (ii) I cu.yd. of coal in place = 1·15 net tons raw.
- (iii) Slope correction applied to (2)(i)(a). (Area of unmined coal.) as follows:
- (a) For 0°-15° pitch -correction of 7½° applied to area.
- (b) For 15°-30° pitch -correction of 22½° applied to area.
- (c) For 30°-90° pitch correction of 45° applied to area.

(3) Reserve Classification – Definitions for KRL property.

A - Proven Reserves - (In Place) -

Tons of coal (I·15nt/cu.yd.) in the ground computed from observations (ie. drill holes, adits, outcrops, mine workings) spaced at intervals of 0.5 miles or less in areas of good geological continuity, with seam thickness greater than 5 feet and under less than 2500 feet of overburden.

B - Partially Explored Reserves - (In Place) -

Tons of coal (1·15 nt/cu.yd.) in the ground computed partially from observations generally spaced at intervals from 0.5 to 1.5 miles apart and partially from reasonable geological projections. Minimum seam thickness is 5 feet, and maximum overburden 2500 feet. Generally equivalent to "Probable" or "Indicated" in other systems of nomenclature.

C - Projected Reserves - (in Place) -

Tons of coal (1.15 nt/cu.yd.) in the ground where little direct evidence is available but where geological studies have indicated the continuity of the coal bearing measures. Coal seam thickness projected from adjacent areas.

(4) Mining Method -

- H Probably better suited to hydraulic mining method. Used 50% recovery.
- C Probably suited to conventional room and pillar method. Used 15% recovery.
- R Probably suited to selective mining because of splits or proximity to other segms. Used 15% recovery.
- 0 Open Pit reserve. Assumed 85% recovery.

(5) Reserves Recoverable -

Proven Reserves (Recoverable) -

Proven Reserves (In Place) adjusted by well substantiated factors for mining and washing recovery. Partially Explored Reserves (Recoverable) —

Partially Explored Reserves (In Place) adjusted by generalized factors for mining and washing recovery.

(6) Calculated yield (laboratory) at defined specific gravity arrived at

by (a) bulk sample wash tests from adits and/or test pits,

or (b) micro sample wash tests from adits and/or test pits.

AREA: TABLE Nº

RESERVE ESTIMATE - (+2500' COVER)

				PI	TCH (0 - 15	0				PITCI	1 15°-	- 30°				· · · · · · · · · · · · · · · · · · ·	PITO	CH 30	°-90)•				CUMULA	TIVE T	OTALS-	- RECOV	ERABLE	RESER'	VES	,	
	 	70.10 1.1	1					7010	TO110 111	 	· · ·			 	70110	TONGIN	DECEBVE	MINING	TONE	CALC	AT	TONE		EN PIT MI			DUND CON	VENTIONAL	UNDERGR	SOUND HY	DRAULIC		SEAM
SEAM NAME	AVG, THICK.	TONS IN PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	TONS IN PLACE (000's)	RESERVE CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	TOTALS (000's TONS CLEAN	NAME
7	18.0	·																											<u> </u>			·	
5 \$ 6	34.0	•																ļ							•		<u> </u>						
4	19.0	,														<u> </u>		<u> </u>										-	<u> </u>				
3	30.0	. ,											ļ														 						
//	42.0	666	C						1.072	c								-					<u> </u>				 						
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PROJEC	CTED ·	666							1.072				<u> </u>										·	· · · · · · · · · · · · · · · · · · ·	1	1	·						+
TOTA	ALS	666							1,072													<u> </u>											

NOTE: (1) Average thickness computed from observations. (ie. drill holes, adit and outcrop measurements.)

(2)(i) Tons in place (cu. yds.) determined from : (a) Area of unmined coal.

(b) Average thickness as determined from (1)

- (ii) I cu.yd. of coal in place = 1·15 net tons raw.
- (iii) Slope correction applied to (2)(i)(a). (Area of unmined coal.) as follows:
- (a) For 0°-15° pitch -correction of 7½° applied to area.
- (b) For 15°-30° pitch -correction of 221/2° applied to area.
- (c) For 30°-90° pitch correction of 45° applied to area.

(3) Reserve Classification – Definitions for KRL property.

A - Proven Reserves - (In Place) -

Tons of coal (I-15nt/cu.yd.) in the ground computed from observations (ie. drill holes, adits, outcrops, mine workings) spaced at intervals of 0-5 miles or less in areas of good geological continuity, with seam thickness greater than 5 feet and under less than 2500 feet of overburden.

B - Partially Explored Reserves - (In Place) -

Tons of coal (1-15 nt/cu.yd.) in the ground computed partially from observations generally spaced at intervals from 0-5 to 1-5 miles apart and partially from reasonable geological projections. Minimum seam thickness is 5 feet, and maximum overburden 2500 feet. Generally equivalent to "Probable" or "Indicated" in other systems of nomenclature.

C - Projected Reserves - (In Place) -

Tons of coal (1-15 nt/cu.yd.) in the ground where little direct evidence is available but where geological studies have indicated the continuity of the coal bearing measures. Coal seam thickness projected from adjacent areas.

(4) Mining Method -

- H Probably better suited to hydraulic mining method. Used 50% recovery.
- C Probably suited to conventional room and pillar method. Used 15% recovery.
- R Probably suited to selective mining because of splits or proximity to other seams.

 Used 15% recovery.
- 0 Open Pit reserve. Assumed 85% recovery.
- (5) Reserves Recoverable -

Proven Reserves (Recoverable) -

Proven Reserves (In Place) adjusted by well substantiated factors for mining and washing recovery.

Partially Explored Reserves (Recoverable) —

Partially Explored Reserves (In Place) adjusted by generalized factors for mining and washing recovery.

(6) Calculated yield (laboratory) at defined specific gravity arrived at

by (a) bulk sample wash tests from adits and/or test pits,

or (b) micro sample wash tests from adits and/or test pits.

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AREA: TABLE Nº: AREA: FLATHEAD LICENCES (NORTH LODGEPOLE)

TABLE Nº: 93

RESERVE ESTIMATE - (0-1500' COVER)

			PIT	CH C	-15°	•				PITC	H 15°-	- 30°)			PIT	ГСН	30°-90	O°			CUMULA	ATIVE T	OTALS-	- RECOV	ERABLE	RESER	VES		
SEAM AVO	/G.	TONS IN RESER	RVE MINING S. METHOD	TONS RECOVERED	CALC.	AT TO	ONS	TONS IN	RESERVE	MINING	TONS	CALC.	AT	TONS	TONS IN	RESERVE MININ	IG TON	NS CALC	AT TOI	ıs	OPE	N PIT MINING		OUND CON		UNDERGR	ROUND HY	DRAULIC		CEAN
NAME THIC	CK.	PLACE CLAS	S. METHOD	RECOVERED (000's)	YIELD S	SP. GR. WA	ONS ASHED DOO's)	TONS IN PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP, GR	TONS WASHED (000's)	TONS IN PLACE (000's)	RESERVE MININ CLASS, METH	OD RECOV	VS CALC. VERED YIELD ('s)	SP. GR. WASH	ED DE	ROVEN	PARTIALLY PROJECTED EXPLORED	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	TOTALS	S NAME
5 21	<u> </u>							/439	B	Н	7/8	86	ļ	617													617		617	5
4 19	?							6,883	B	н	3,442	79		2,719													2,719		2.719	4
3 26	6	,		•				4,377	8_	H	2,/88	74		1.619											-		1,619		1.619	3
/ 40						•		1,026	B	- H	513	58		298									· · · · · · · · · · · · · · · · · · ·				298		298	1
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PART. EXPL	L'D							13,725			6,861			5,25 3					i]		5,253	 	5,253	7
PROJECTED	D·															7					-		7						2,272	1
TOTALS	s							13,725			6,861			5,253									<u>.</u>					<u>L</u>	5,253	1

NOTE: (1) Average thickness computed from observations. (ie. drill holes, adit and outcrop measurements.) (2)(i) Tons in place (cu. yds.) determined from (a) Area of unmined coal.

- (b) Average thickness as determined from (1)
- (ii) I cu, yd. of coal in place = 1·15 net tons raw.
- (iii) Slope correction applied to (2)(i)(a). (Area of unmined coal.) as follows:
- (a) For 0°-15° pitch -correction of 7½° applied to area.
- (b) For 15°-30° pitch -correction of 221/2° applied to area.
- (c) For 30°-90° pitch correction of 45° applied to area.

- (3) Reserve Classification Definitions for KRL property.
- A Proven Reserves (In Place) -

Tons of coal (I-15nt/cu.yd.) in the ground computed from observations (ie. drill holes, adits, outcrops, mine workings) spaced at intervals of 0-5 miles or less in areas of good geological continuity, with seam thickness greater than 5 feet and under less than 2500 feet of overburden.

B - Partially Explored Reserves - (In Place) -

Tons of coal (1·15 nt/cu.yd.) in the ground computed partially from observations generally spaced at intervals from 0·5 to 1·5 miles apart and partially from reasonable geological projections. Minimum seam thickness is 5 feet, and maximum overburden 2500 feet. Generally equivalent to "Probable" or "Indicated" in other systems of nomenclature.

C - Projected Reserves - (In Place) -

Tons of coal (1-15 nt/cu.yd.) in the ground where little direct evidence is available but where geological studies have indicated the continuity of the coal bearing measures. Coal seam thickness projected from adjacent areas.

(4) Mining Method -

- H Probably better suited to hydraulic mining method. Used 50% recovery.
- C Probably suited to conventional room and pillar method. Used 15% recovery.
- R Probably suited to selective mining because of splits or proximity to other seams.

 Used 15% recovery.
- 0 Open Pit reserve. Assumed 85% recovery.
- (5) Reserves Recoverable -
 - Proven Reserves (Recoverable) -

Proven Reserves (In Place) adjusted by well substantiated factors for mining and washing recovery.

Partially Explored Reserves (Recoverable)—

Partially Explored Reserves (In Place) adjusted by generalized factors for mining and washing recovery.

(6) Calculated yield (laboratory) at defined specific gravity arrived at

by (a) bulk sample wash tests from adits and/or test pits.

or (b) micro sample wash tests from adits and/or test pits.

301 1/2

AREA:

RESERVE ESTIMATE - (1500'- 2500' COVER)

		TO SEE A COMMENT OF SECULOR OF SE			гсн с) - 15		ake			PITCH	H 15°-	- 30°					PITC	H 30'	-90	9		_:		CUMULA	TIVE T	OTALS-	- RECOV	ERABLE	RESER	VES	
SEAN	AVG.	TONS IN	DECEDVE N	UNING	TONE	TCALC		TONS	TONS IN	DECEDVE	ALNUNG	TONE	CALC	AT	TONG	TONS IN	DECEDA	MINING	TONS	CALC	АТ	TONS	OPE	EN PIT MI	NING	UNDERGRO	DUND CONV	ENTIONAL				SEAM
NAME	THICK.	TONS IN PLACE (000's)	RESERVE M CLASS. M	ETHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP, GR	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	WASHED (000's)	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	TOTALS SEAM NAME
5	21	and design to the company of the com			. <u></u>				2,578	B	H	1,289	86		1,109		<u>.</u>													1,109		1,109 5
4	.19		-			.			8,406	. B	Н	4,203	79		3,320										,					3,320		3,320 4
	26				•	<u> </u>			37,593	B		18,797	74		13,910				·											13,910		13,910 3
	40								30,304	B	ļ		58		8,788				,										-	8,788		8,788 /
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PROV	L		_	-		_				_			_	-	•		4			_					-			1		_	 	
	ECTED .		· -						78,881			39,441			27./27								<u> </u>						<u> </u>	27,127		27.127
ТО	TALS								78,881			39, 441			27,127																	27,127

NOTE: (1) Average thickness computed from observations. (ie. drill holes, adit and outcrop measurements.)

(2)(i) Tons in place (cu. yds.) determined from: (a) Area of unmined coal.

(b) Average thickness as determined from (1)

- (ii) I cu.yd. of coal in place = I·15 net tons raw.
- (iii) Slope correction applied to (2)(i)(a). (Area of unmined coal.) as follows:
- (a) For 0°-15° pitch -correction of 7½° applied to area.
- (b) For 15°-30° pitch -correction of 221/2° applied to area.
- (c) For 30°-90° pitch correction of 45° applied to area.

- (3) Reserve Classification Definitions for KRL property.
- A Proven Reserves (In Place) -

Tons of coal (I·15nt/cu.yd.) in the ground computed from observations (ie. drill holes, adits, outcrops, mine workings) spaced at intervals of 0.5 miles or less in areas of good geological continuity, with seam thickness greater than 5 feet and under less than 2500 feet of overburden.

B - Partially Explored Reserves - (In Place) -

Tons of coal (1-15 nt/cu.yd.) in the ground computed partially from observations generally spaced at intervals from 0.5 to 1.5 miles apart and partially from reasonable geological projections. Minimum seam thickness is 5 feet, and maximum overburden 2500 feet. Generally equivalent to "Probable" or "Indicated" in other systems of nomenclature.

C - Projected Reserves - (In Place) -

Tons of coal (1·15 nt/cu.yd.) in the ground where little direct evidence is available but where geological studies have indicated the continuity of the coal bearing measures. Coal seam thickness projected from adjacent areas.

(4) Mining Method -

- H Probably better suited to hydraulic mining method. Used 50% recovery.
- C Probably suited to conventional room and pillar method. Used 15% recovery.
- R Probably suited to selective mining because of splits or proximity to other seams. Used 15% recovery.
- 0 Open Pit reserve. Assumed 85% recovery.

(5) Reserves Recoverable -

Proven Reserves (Recoverable) -

Proven Reserves (In Place) adjusted by well substantiated factors for mining and washing recovery. Partially Explored Reserves (Recoverable) —

Partially Explored Reserves (In Place) adjusted by generalized factors for mining and washing recovery.

(6) Calculated yield (laboratory) at defined specific gravity arrived at

by (a) bulk sample wash tests from adits and/or test pits,

or (b) micro sample wash tests from adits and/or test pits.

AREA:

AREA! FLATHERD LICENSE (NORTH LODGEPOLE) TABLE Na: 95

RESERVE ESTIMATE - (+2500' COVER)

1			PITCH	0-1	5°		•		PITCH	H 15°-	- 30°	•				PITO	CH 30)°-90	0				CUMUL	ATIVE T	OTALS-	- RECOV	ERABLE	RESERV	/ES	
SEAM AVG	TONS IN	RESERVE MIN	ING TONS	CAL	C. AT	TONS	TONS IN	RESERVE	MINING	TONS	CALC	Ат	TONS	TONS IN	RESERVE	MINING	TONS	CALC	AT	TONS	OPE	N PIT M	INING	UNDERGRO	DUND CON	VENTIONAL	•	ROUND HYD		SFAM
SEAM AVG	TONS IN PLACE (000's)	CLASS. MET	HOD RECOVER	RED YIEL	D SP. GR	TONS WASHED (000's)	TONS IN PLACE (000's)	RESERVE CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	PROVEN	PARTIALLY EXPLORED		PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	TOTALS SEAM
5 21	•						3,679	В	14	1,840	86		<u> 1,582</u>	ļ														1,582		1.582 5
4 19							2,395	B	Н	1,198	79		946									, , , , , , , , , , , , , , , , , , , ,						946		946 4
3 26				•			19,083	8	Н	9, 542	74		7,061															7.061		7,061 3
1 40							60,609	B	- H	30,304	58		17,576														İ	17,576		17,576
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PROVEN					<u></u>							<u>.l. </u>				1	·								 			-		
PART. EXPL	D						85:766	1		42,884	- 		27115	. 			*					<u> </u>	7			†		27,165		27.165
PROJECTED							00,700		<u> </u>	7.4, 88 4	1		27.165				<u> </u>		-		1							2/1/03		
TOTALS							85,766			12,884			27,165										:							27,165

NOTE: (1) Average thickness computed from observations. (ie. drill holes, adit and outcrop measurements.)

(2)(i) Tons in place (cu. yds.) determined from : (a) Area of unmined coal. (b) Average thickness as determined from (1)

- (ii) I cu, yd. of coal in place = 1.15 net tons raw,
- (iii) Slope correction applied to (2)(i)(a). (Area of unmined coal.) as follows:
- (a) For 0°-15° pitch -correction of 71/2° applied to area.
- (b) For 15°-30° pitch -correction of 221/2° applied to area.
- (c) For 30°-90° pitch correction of 45° applied to area.

- (3) Reserve Classification Definitions for KRL property.
- A Proven Reserves (In Place) -

Tons of coal (1·15 nt/cu.yd.) in the ground computed from observations (ie. drill holes, adits, outcrops, mine workings) spaced at intervals of 0.5 miles or less in areas of good geological continuity, with seam thickness greater than 5 feet and under less than 2500 feet of overburden.

B - Partially Explored Reserves - (In Place) -

Tons of coal (1-15 nt/cu.yd.) in the ground computed partially from observations generally spaced at intervals from 0.5 to 1.5 miles apart and partially from reasonable geological projections. Minimum seam thickness is 5 feet, and maximum overburden 2500 feet. Generally equivalent to "Probable" or "Indicated" in other systems of nomenclature.

C - Projected Reserves - (In Place) -

Tons of coal (1·15 nt/cu.yd.) in the ground where little direct evidence is available but where geological studies have indicated the continuity of the coal bearing measures. Coal seam thickness projected from adjacent areas.

- (4) Mining Method -
- H Probably better suited to hydraulic mining method. Used 50% recovery.
- C Probably suited to conventional room and pillar method. Used 15% recovery.
- R Probably suited to selective mining because of splits or proximity to other seams. Used 15% recovery.
- 0 Open Pit reserve. Assumed 85% recovery.
- (5) Reserves Recoverable -
 - Proven Reserves (Recoverable) -

Proven Reserves (In Place) adjusted by well substantiated factors for mining and washing recovery.

Partially Explored Reserves (Recoverable) -

Partially Explored Reserves (in Place) adjusted by generalized factors for mining and washing recovery.

- (6) Calculated yield (laboratory) at defined specific gravity arrived at by (a) bulk sample wash tests from adits and/or test pits,
 - or (b) micro sample wash tests from adits and/or test pits.

AREA:

AREA: FLATHEAD LICENCES (WEST LODGEPOLE) TABLE Na: %

RESERVE ESTIMATE - (0-1500' COVER)

		PITCH 0-15° PITCH 15°-30°											PITO	CH 30	•-9C)•	1-11-1111	CUMULATIVE TOTALS - RECOVERABLE RESERVES														
SFAM	AVG -	TONS IN	RESERVE	MINING	TONS	CALC	ΔΤ	TONS	TONS IN	RESERV	SERVE MINING	TONS	CALC	TONS	TONS IN	RESERV	FMINING	TONS	CALC	ΔΤ	TONS	OP	EN PIT MI	NING	UNDERGRO	UNDERGROUND CONVENTIONAL						SFAM
NAME	AVG. THICK.	TONS IN PLACE (000's)	CLASS.	MINING METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS	METHOD	RECOVERED (000's)	CALC. AT	TONS GR. WASHED (000's)	TONS IN PLACE (000's)	CLASS	E MINING METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	TOTALS	NAME
7	18	· · · · · · · · · · · · · · · · · · ·					<u> </u>		19.932	В	R_	2,890	95	2,746					ļ							2,746					2,746	7
6	34								18,476	8	R	2,77/	86	2,383					<u> </u>		·			·		2,383					2,383	6
5		•			•										- 						· · · · · · · · · · · · · · · · · · ·							<u> </u>	· · · · · · · · · · · · · · · · · · ·			5_
4	19	· · · · · · · · · · · · · · · · · · ·					·	-	21.561	8	R	3,234	79	2,555												2 555					2,5 55	4
3	30								16,136	В	H	8,068	74	5,970															5,970		5,970	3
/_	42								3,608	B	Н	1,804	58	1,046				11.				= =							1,046		1,046	1
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PROVE	N									`					<u> </u>]		_			1
PART.	EXPL'D								79,713			18,767		14,700												7 684			7.016		14,700	1
PROJE	CTED ·																			<u></u>					.]							L
ТОТ	ALS								79, 7/3		-	18,767		14,700																	14.700	

NOTE: (1) Average thickness computed from observations. (ie. drill holes, adit and outcrop measurements.)

(2)(i) Tons in place (cu. yds.) determined from: (a) Area of unmined coal.

(b) Average thickness as determined from (1)

- (ii) I cu.yd. of coal in place = 1.15 net tons raw.
- (iii) Slope correction applied to (2)(i)(a). (Area of unmined coal.) as follows:
- (a) For 0°-15° pitch -correction of 7½° applied to area.
- (b) For 15°-30° pitch -correction of 221/2° applied to area.
- (c) For 30°-90° pitch correction of 45° applied to area.

(3) Reserve Classification – Definitions for KRL property.

A - Proven Reserves - (In Place) -

Tons of coal (1-15nt/cu.yd.) in the ground computed from observations (ie. drill holes, adits, outcrops, mine workings) spaced at intervals of 0.5 miles or less in areas of good geological continuity, with seam thickness greater than 5 feet and under less than 2500 feet of overburden.

B - Partially Explored Reserves - (In Place) -

Tons of coal (1·15 nt/cu.yd.) in the ground computed partially from observations generally spaced at intervals from 0.5 to 1.5 miles apart and partially from reasonable geological projections. Minimum seam thickness is 5 feet, and maximum overburden 2500 feet. Generally equivalent to "Probable" or "Indicated" in other systems of nomenclature.

C - Projected Reserves - (In Place) -

Tons of coal (1-15 nt/cu.yd.) in the ground where little direct evidence is available but where geological studies have indicated the continuity of the coal bearing measures. Coal seam thickness projected from adjacent areas.

(4) Mining Method -

- H Probably better suited to hydraulic mining method. Used 50% recovery.
- C Probably suited to conventional room and pillar method. Used 15% recovery.
- R Probably suited to selective mining because of splits or proximity to other seams. Used 15% recovery.
- 0 Open Pit reserve. Assumed 85% recovery.

(5) Reserves Recoverable -

Proven Reserves (Recoverable) -

Proven Reserves (In Place) adjusted by well substantiated factors for mining and washing recovery. Partially Explored Reserves (Recoverable) —

Partially Explored Reserves (In Place) adjusted by generalized factors for mining and washing recovery.

- (6) Calculated yield (laboratory) at defined specific gravity arrived at
- by (a) bulk sample wash tests from adits and/or test pits,
- or (b) micro sample wash tests from adits and/or test pits.

TABLE Nº

AREA:

AREA: FLATHERD LICENCES (WEST LODGEPOLE) TABLE Na: 97

RESERVE ESTIMATE - (1500'- 2500' COVER)

		, , , , , , , , , , , , , , , , , , , ,	F	PITCH	0-1	15°	C. C			PITC	CH 15°	- 30°	D		PITCH 30°-90°							CUMULATIVE TOTALS - RECOVERABLE RESERVES										
SEAM	AVG.	TONS IN	RESERVE MININ	IG TO	NS CA	LC. A1	TONS	TONS IN	RESERV	VE MINING	TONS	CALC	T AT	TONS	TONS IN	RESERVE MII	VING TONS	CALC	ΔΤ	TONS	L .	EN PIT MI		UNDERGROUND CONVENTIONAL			UNDERGROUND HYDRAULIC			I I SEAM		
NAME	AVG, THICK.	PLACE (000's)	RESERVE MININ CLASS. METHO	OD RECO	NS CA VERED YIE	LD SP.	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS	S. METHOD	TONS RECOVERED (000's)	YIELD	SP, GR	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS. ME	TONS THOD RECOVER (000's)	TO YIELD	SP. GR.	WASHED (000's)	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	TOTALS SE	IAME	
7	18							23,664	B	R	3,550	95		3,372		···			ļ						3 372					3,372	7	
_6	>34		•		·) 63, 493	-B-	- R -	9,524	86		8/9/						····			· ·		8 191					> 8,/9/	6	
4	19				-		•	39, 454	_8_	- R	5,918	79_		4,675											4 675					4.675	4	
3	30							70,857	8	#	35,428	74		26,217	ļ										-			26,217		26,2/7	3	
_/	42		•					59,568	В	H	29, 784	58		17,275						· · · · · · · · · · · · · · · · · · ·								17,275		17.275		
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PART. PROJE			1					257, 036			84,204			59,730											/6 238			43,492		59,730		
тот	ALS							257,036		•	84,204			59,730							-					<u> </u>				59,730		

NOTE: (1) Average thickness computed from observations (i.e. drill holes, adit and outcrop measurements.)

(2)(i) Tons in place (cu. yds.) determined from (a) Area of unmined coal. (b) Average thickness as determined from (1)

(ii) I cutyd, of coal in place = 1.15 net tons raw.

(iii) Slope correction applied to (2)(i)(a). (Area of unmined coal.) as follows:

(a) For 0°-15° pitch - correction of 7½° applied to area.

(b) For 15°-30° pitch -correction of 221/2° applied to area.

(c) For 30°-90° pitch - correction of 45° applied to area.

(3) Reserve Classification – Definitions for KRL property.

A - Proven Reserves - (In Place) -

Tons of coal (I-15nt/cu.yd.) in the ground computed from observations (ie. drill holes, adits, outcrops, mine workings) spaced at intervals of 0.5 miles or less in areas of good geological continuity, with seam thickness greater than 5 feet and under less than 2500 feet of overburden.

B - Partially Explored Reserves - (In Place) -

C - Projected Reserves - (In Place) -

Tons of coal (1·15 nt/cu.yd.) in the ground computed partially from observations generally spaced at intervals from 0.5 to 1.5 miles apart and partially from reasonable geological projections. Minimum seam thickness is 5 feet, and maximum overburden 2500 feet. Generally equivalent to "Probable" or "Indicated" in other systems of nomenclature.

Tons of coal (1.15 nt/cu.yd.) in the ground where little direct evidence is available but where geological studies have indicated the continuity of the coal bearing measures. Coal seam thickness projected from adjacent areas.

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- 0 Open Pit reserve. Assumed 85% recovery.

(5) Reserves Recoverable -

Proven Reserves (Recoverable) -

Proven Reserves (In Place) adjusted by well substantiated factors for mining and washing recovery.

Partially Explored Reserves (Recoverable) -

Partially Explored Reserves (In Place) adjusted by generalized factors for mining and washing recovery.

(6) Calculated yield (laboratory) at defined specific gravity arrived at

by (a) bulk sample wash tests from adits and/or test pits,

or (b) micro sample wash tests from adits and/or test pits.

AREA:

RESERVE ESTIMATE - (+2500' COVER)

			F	PITCH	0 – 1	5°		PITCH 15°-30°								PITCH 30°-90°							CUMULATIVE TOTALS — RECOVERABLE RESERVES										
SEAM	,,,,	TONS IN	DESERVE MININ	IG TON	IS CAL	С АТ	TONS	TONS IN	DESERVE	MINING	TONS	CALC	ΔΤ	TONS	TONS IN	RESERVE MI	NING T	ONS C	CALC	AT	TONS	OPE	N PIT MI	NING	UNDERGRO		VENTIONAL				SEAM		
NAME	THICK.	TONS IN PLACE (000's)	S IN RESERVE MININ ACE CLASS. METHO	OD RECOV	S CAL ERED YIEL	D SP. GR.	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	TONS IN PLACE (000's)	RESERVE MI CLASS. ME	THOD REC	ONS COVERED Y	IELD :	SP. GR.	WASHED (000's)	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED		PROVEN	PARTIALLY EXPLORED	PROJECTED	TOTALS SEAM NAME		
7	/8							2,399	B	R	360	95		342											-	342					342 7		
6) 34	····			,			8,37/	8	R	1,256	86		/, 0 8 <i>0</i>								<u> </u>				1080					> 1,080 6		
4	19	·						6,260	В	R	939	79		742												742		-			742 4		
3	30					,		20, 574	В	Н	10,287	74		7,612															7,612		7,612 3		
	42							87, 221	B	н	43,610	58		25,294								1.24.		<u></u>					25,294		25,294 /		
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PROVE	<u> </u>	<u> </u>								-		_			<u> </u>					-		· · · · · · · · · · · · · · · · · · ·		.]						<u> </u>			
PART.	ļ-							124,825			56,452			35,010						-		-			-	2,164			32,906		35,070		
PROJE	CTED ·										4	 												<u> </u>		 							
тот	ALS							124.825	. L		56,452			35,070								<u></u>							·		35,070		

NOTE: (1) Average thickness computed from observations. (ie. drill holes, adit and outcrop measurements.)

(2)(i) Tons in place (cu. yds.) determined from (a) Area of unmined coal.

(b) Average thickness as determined from

- (b) Average thickness as determined from (1)
- (ii) | cu.yd. of coal in place = 1-15 net tons raw.
- (iii) Slope correction applied to (2)(i)(a). (Area of unmined coal.) as follows:
- (a) For 0°-15° pitch -correction of 7½° applied to area.
- (b) For 15°-30° pitch -correction of 22½° applied to area.
- (c) For 30°-90° pitch -correction of 45° applied to area.

- (3) Reserve Classification Definitions for KRL property.
- A Proven Reserves (In Place) -

Tons of coal (I-15nt/cu.yd.) in the ground computed from observations (ie. drill holes, adits, outcrops, mine workings) spaced at intervals of 0-5 miles or less in areas of good geological continuity, with seam thickness greater than 5 feet and under less than 2500 feet of overburden.

B - Partially Explored Reserves - (In Place) -

Tons of coal (1·15 nt/cu.yd.) in the ground computed partially from observations generally spaced at intervals from 0·5 to 1·5 miles apart and partially from reasonable geological projections. Minimum seam thickness is 5 feet, and maximum overburden 2500 feet. Generally equivalent to "Probable" or "Indicated" in other systems of nomenclature.

C - Projected Reserves - (In Place) -

Tons of coal (1-15 nt/cu.yd.) in the ground where little direct evidence is available but where geological studies have indicated the continuity of the coal bearing measures. Coal seam thickness projected from adjacent areas.

(4) Mining Method -

- H Probably better suited to hydraulic mining method. Used 50 % recovery.
- C Probably suited to conventional room and pillar method. Used 15% recovery.
- R Probably suited to selective mining because of splits or proximity to other seams.

 Used 15% recovery.
- 0 Open Pit reserve. Assumed 85% recovery.

(5) Reserves Recoverable -

Proven Reserves (Recoverable) -

Proven Reserves (In Place) adjusted by well substantiated factors for mining and washing recovery.

Partially Explored Reserves (Recoverable) —

Partially Explored Reserves (in Place) adjusted by generalized factors for mining and washing recovery.

(6) Calculated yield (laboratory) at defined specific gravity arrived at

by (a) bulk sample wash tests from adits and/or test pits,

or (b) micro sample wash tests from adits and/or test pits.

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