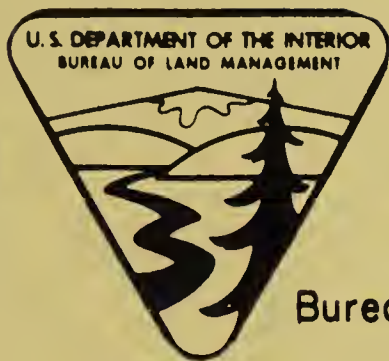


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TECHNICAL NOTE

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Bureau of Land Management U.S. DEPARTMENT OF THE INTERIOR

Subject: Transportation Costs, Coking Coal, Unit Train

Cross Reference: Coal, Transportation Costs, Unit Train

Reference: Atchison, Topeka and Santa Fe Railroad Tariff No. 15641, August 5, 1966.

Data: York Canyon, New Mexico to Kaiser, California.
Applies to bituminous coals suitable for metallurgical or coking purposes.
Minimum tender - 84 cars per shipment
Charges - \$6.00 per ton if annual tonnage is not less than 700,000 tons.

\$7.00 per ton if annual tonnage is from 500,000 to 700,000 tons.

If less than 500,000 tons, regular tariffs apply.

At \$6.00 per ton, the charge per ton mile (about 1,100 miles) was \$0.0055 per ton mile.

(Above information supplied by William Egan, New Mexico State Office.)

Please send any additional references on this subject or other minerals subjects to DSC (D-310). If the complete article or publication is needed, DSC (D-310) will attempt to obtain a copy or a loan for you.

Distribution: State Offices (only)

SUMMARY OF COAL UNIT-TRAIN OPERATIONS

ORIGIN	DESTINATION	CARRIER	RAIL MILES	TONS OF COAL PER RUN	RUN CYCLE TIME	MINIMUM ANNUAL TONS HAULED	TARIFF		TON-MILE COST		REMARKS
							UNIT TRAIN RATE (NUMBER)	NON-UNIT TRAIN RATE	UNIT TRAIN	NON-UNIT TRAIN	
COLUMBIA, UTAH	U.S. STEEL GENEVA WORKS PROVO, UTAH	RIO GRANDE	117	3100-4500T UNWASHED	24 HOURS 5 DAYS/WEEK	1,300,000T	\$1.965/T(7510)	\$2.14	1.695¢	1.829¢	COAL IS UNLOADED, WASHED AND BLENDED AND RELOADED AT EAST WELLINGTON, UTAH
SOMERSET, COLORADO	"	"	355	2600-3600T WASHED	2 TRAINS 48 HRS/TRAIN 5 DAYS/WEEK		\$3.00/T(7510)	\$3.14	0.845¢	0.885¢	
CARBONDALE, COLORADO	"	"	360	3200T MIN. 5200T MAX.	2 WEEK SAT. & SUN.	235,000T. APRIL 18- OCT. 29, 1969	\$2.595/T (7511-A)	\$3.14	0.638¢	0.872¢	
COLSTRIP, MONTANA	MOOREHEAD, MINN.	NORTHERN PACIFIC	832	10,000T MIN.		400,000T	\$3.65/T(6061)	\$4.82	0.439¢	0.571¢	NOT YET OPERATING
MOOREHEAD MINN.	COHASSET MINN.	GREAT NORTHERN									
OLD BEN MINE SESSER, ILL.	VIRDEN, ILL.	CHICAGO, BURLINGTON & QUINCY	112	10,000T	53 HOURS	900,000T IN 1969 1,000,000T THEREAFTER	\$2.09/T(20514)	\$3.70/T	0.473¢	0.648¢	
VIRDEN, ILL.	OAK CREEK, WISC. POWER PLANT	CHICAGO & NORTHWESTERN	324.3								
SUNNYSIDE, UTAH	PROVO, UTAH	DENVER & RIO GRANDE WESTERN	808	8,400T	96 HOURS INCLUDING LOADING & UNLOADING TIME	700,000T	\$4.80(7509)	\$5.83	0.544¢	0.721¢	
PROVO, UTAH	BARSTOW, CALIF.	UNION PACIFIC									
BARSTOW	FONTANA, CALIF. KAISER STEEL	ATCHESON, TOPEKA & SANTA FE									