

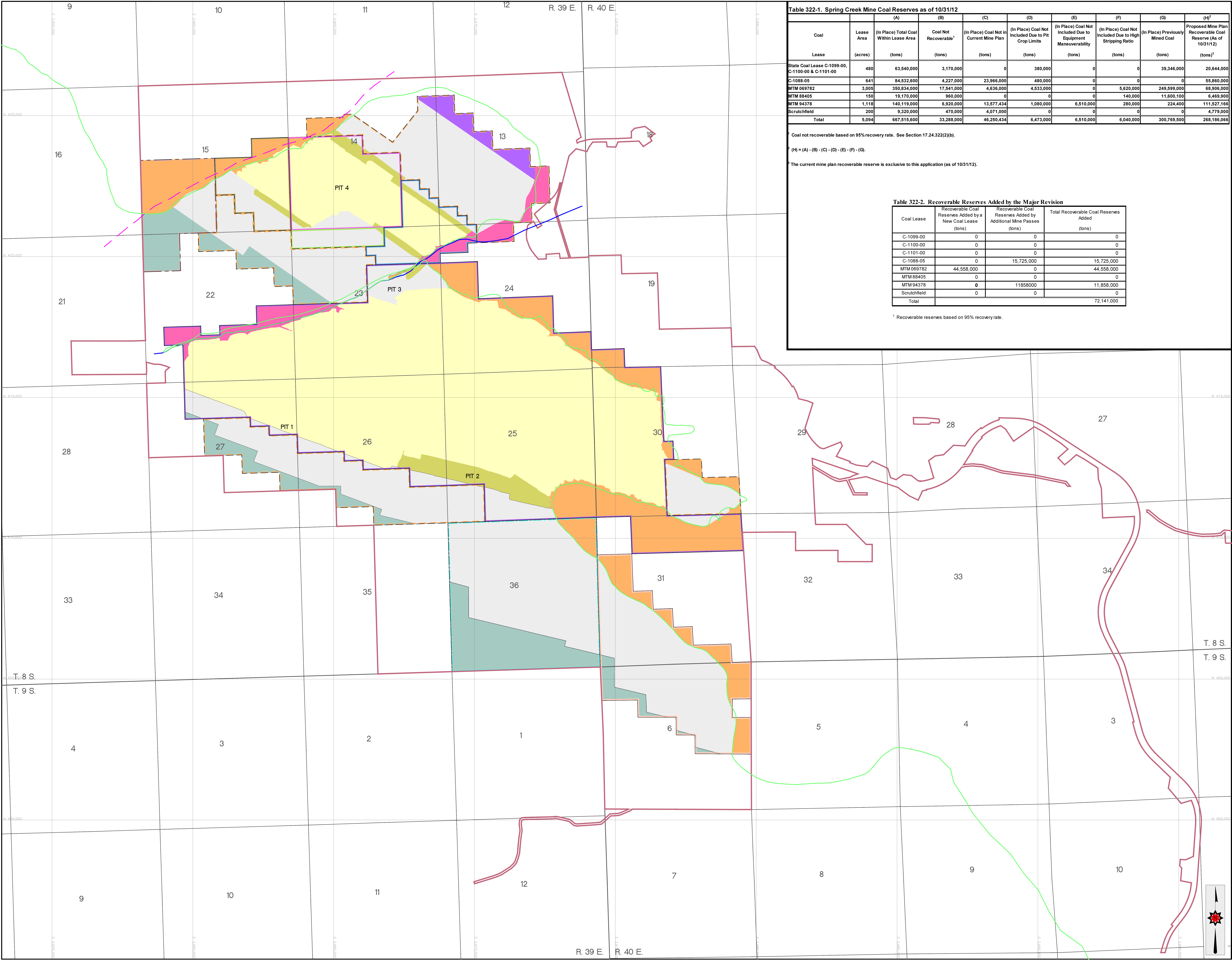


Table 322-1. Spring Creek Mine Coal Reserves as of 10/31/12									
Coal	Lease Area	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H) ²
Lease	(acres)	(In Place) Total Coal Within Lease Area (tons)	Coal Not Recoverable ¹ (tons)	(In Place) Coal Not In Current Mine Plan (tons)	(In Place) Coal Not Included Due to Pit Crop Limits (tons)	(In Place) Coal Not Included Due to Equipment Maneuverability (tons)	(In Place) Coal Not Included Due to High Stripping Ratio (tons)	(In Place) Previously Mined Coal (tons)	Proposed Mine Plan Recoverable Coal Reserve (As of 10/31/12) (tons) ²
State Coal Lease C-1099-00, C-1100-00 & C-1101-00	480	63,540,000	3,170,000	0	380,000	0	0	39,346,000	20,844,000
C-1088-05	641	84,532,600	4,227,000	23,966,000	480,000	0	0	0	55,860,000
MTM 069782	3,005	350,834,000	17,541,000	4,636,000	4,533,000	0	5,620,000	249,599,000	68,906,000
MTM 88405	150	19,170,000	960,000	0	0	0	140,000	11,600,100	6,469,900
MTM 94378	1,118	140,119,000	6,920,000	13,577,434	1,080,000	6,510,000	280,000	224,400	111,527,166
Scrutchfield	200	9,320,000	470,000	4,071,000	0	0	0	0	4,779,000
Total	5,094	667,515,600	33,288,000	46,250,434	6,473,000	6,510,000	6,040,000	300,769,500	268,186,066

¹ Coal not recoverable based on 95% recovery rate. See Section 17.24.322(2)(b).

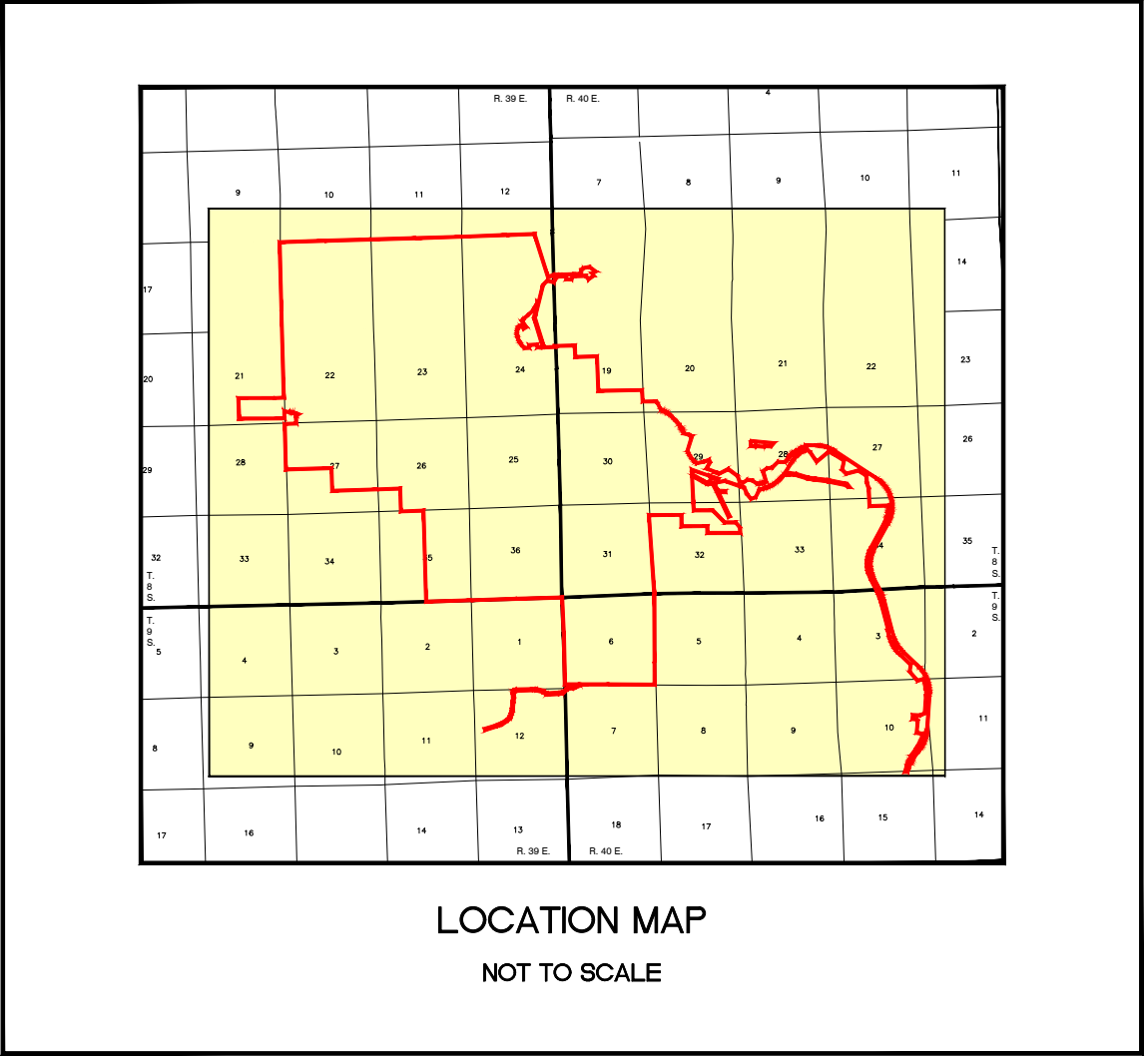
² (H) = (A) - (B) - (C) - (D) - (E) - (F) - (G).

The current mine plan recoverable reserve is exclusive to this application (as of 10/31/12).

Table 322-2. Recoverable Reserves Added by the Major Revision

Coal Lease	Recoverable Coal Reserves Added by a New Coal Lease (tons)	Recoverable Coal Reserves Added by Additional Mine Passes (tons)	Total Recoverable Coal Reserves Added (tons)
C-1099-00	0	0	0
C-1100-00	0	0	0
C-1101-00	0	0	0
C-1088-05	0	15,725,000	15,725,000
MTM 069782	44,558,000	0	44,558,000
MTM 88405	0	0	0
MTM 94378	0	11858000	11,858,000
Scrutchfield	0	0	0
Total			72,141,000

¹ Recoverable reserves based on 95% recovery rate.



- LEGEND
- Spring Creek Mine Permit Boundary
 - Coal Lease Boundary C-1099-00
 - Coal Lease Boundary C-1100-00
 - Coal Lease Boundary C-1101-00
 - Coal Lease Boundary C-1088-05
 - Coal Lease Boundary MTM 069782
 - Coal Lease Boundary MTM 069782-MJR
 - Coal Lease Boundary MTM 088405
 - Coal Lease Boundary MTM 94378
 - Scrutchfield Lease Boundary
 - Spring Creek Fault Line
 - Carbone Fault Line
 - No Coal Line
- Area Mined 1989 - 2011
- Area Mined 2012
- Area Mined 2013 - Life of Mine
- Area not included due to pit crop limits
- Area not included due to equipment maneuverability
- Area not included due to high stripping ratio
- Area not in current mine plan

- NOTES
- MINING HAD NOT COMMENCED PRIOR TO AUGUST 3, 1977.
 - MINING HAD NOT COMMENCED AFTER AUGUST 3, 1977, AND PRIOR TO MAY 3, 1978.
 - MINING HAD NOT COMMENCED AFTER MAY 3, 1978, AND PRIOR TO APRIL 1, 1980.

DATE
BY
1/11
SIC
Application 183

REVISION
2/19
SIC
MR 206 IBC
2/20
SIC
MR232
TR1
Major Permit Rev.

DESIGN
SIC
DRAWN
SIC
DATE
4/11
SHEET
OF
1

CLOUD PEAK ENERGY

SPRING CREEK MINE
P.O. BOX 60 DECKERS MT. 58008
PHONE: (406) 757-2581

PLATE 22
HISTORIC AND
PROPOSED COAL
RECOVERY PROGRESSION

SCALE 4" = 1,000' CONTOUR INTERVAL 30' A FILE NUMBER 22-MINEPROGRES-20200010-TR1MR232.dwg