

Range 6 West  
Range 5 West

18

17

19

20

30

31

32

Township 39 South

Coal under Robinson Creek Diversion (Not Mined)  
Tons at 95% Recovery = 172,000

Federal Coal Ownership

High Strip Ratio Coal  
Average Coal Thickness 16'  
Average Cover = 240'

No Coal/Burn Area

Coal to be Mined  
Average Strip Ratio = 5.7  
Average Overburden Thickness = 69'  
Average Coal Thickness = 15.8'

High Strip Ratio Coal

Coal Outcrop/Burn

Highwall Coal to be Mined  
Average Coal Thickness 15'  
Average Cover = 80'  
Tons at 45% Recovery = 1,740,000 Tons

**Fee Coal Summary**

<b>Coal Mined:</b>	29	
-*By Strip		= 2,731,000 Ton
-**By Highwall Mining		= 1,740,000 Ton
-Total Coal to be Mined		= 4,471,000 Ton
<b>Coal Not Mined:</b>		
-High Strip Ratio		= 4,268,000 Ton
-Beneath Sloped Highwalls and Misc.		= 900,000 Ton
-Beneath Diversion		= 172,000 Ton
-From Highwall Mining		= 2,281,000 Ton
-Total Coal not Mined		= 7,621,000 Ton
<b>Total Fee Coal</b>		<b>= 12,092,000 Ton</b>
<b>Total Coal to be Mined</b>		<b>= 4,471,000 Ton</b>
<b>Total Coal not Mined</b>		<b>= 7,621,000 Ton</b>

\*All tons are at 95% recovery  
\*\* All Tons are at 45% recovery



**LEGEND:**

	PERMIT BOUNDARY
	PRIVATE COAL OWNERSHIP
	COAL LINE BOUNDARY
	SECTION LINE
	FOUND SECTION CORNER
	FOUND PROPERTY CORNER

DRAWN BY: C. McCOURT	CHECKED BY: LWJ
DRAWING: 5-9A	DATE: 4/20/07
JOB NUMBER: 1400	SCALE: 1" = 500'
	SHEET

REVISIONS	
DATE:	BY:
9/16/08	CRM
1/14/13	KN
10/01/13	LWJ

**COAL EXTRACTION OVERVIEW**  
SURFACE & HIGHWALL MINING

COAL HOLLOW PROJECT  
ALTON, UTAH

**DRAWING: 5-9A**



Alton Coal Development  
**Coal Hollow PROJECT**

463 North 100 West, Suite 1  
Cedar City, Utah 84721  
Phone (435)867-5331  
Fax (435)867-1192

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