



ANGLE OF BEAM DETERMINATION

THE MONITORING OF THE SET OF POINTS ESTABLISHED FOR THE ANGLE OF BEAM IS TO BE MADE AT THE END OF EACH YEAR AND AFTER EACH CONSECUTIVE YEAR OF MINING. THE ANGLE OF BEAM IS TO BE MEASURED AT THE END OF EACH YEAR AND THE RESULTS REPORTED TO THE RESUBMITTER REPORTS.

MINE PLAN PROJECTIONS

ROCK CANYON SCAM (CONTAINED IN BLACK)

02/17/17

02/17/17

02/17/17

02/17/17

02/17/17

SELECTED LEASE IDENTIFICATION

ML - 42648 (STATE)

ML - 42649 (STATE)

U - 07064 - 027821 (USA)

ML - 50582 - 094 (STATE)

LEGEND

--- PERMIT AREA BOUNDARY

--- PERMIT AREA BOUNDARY

--- PERMIT AREA BOUNDARY

--- PERMIT AREA BOUNDARY

PROJECTED MINING BY YEARS

Previous Mining

Remaining 2011

1st Quarter 2012

2nd Quarter 2012

3rd Quarter 2012

4th Quarter 2012

2013

2014

2015

2016

LAND OWNERSHIP

MILTON AND ABBOTH THAVAN TRUST

UNITED STATES OF AMERICA

STATE OF UTAH

CANYON FUEL COMPANY, LLC

CONDOR, ET AL

KFJ RAND PARTNERSHIP

NOTE

1. EXACT LOCATIONS OF FUTURE MONITORING STATIONS MAY VARY DEPENDING UPON ACCESSIBILITY, LINE OF SIGHT OBSTRUCTION, TERRAIN, ETC.

2. REFER TO ANNUAL REPORTS FOR ADDITIONAL SUBSIDENCE INFORMATION.

3. THE PROJECTED MINING ILLUSTRATED BEYOND THE PERMITTED MONITORING AREA IS FOR INFORMATION ONLY. THE ACTUAL MONITORING AREA WILL BE DETERMINED AT THE TIME OF PERMITTING AND WILL BE ILLUSTRATED IN THE PERMITTING REPORTS.

REVISION	DATE	BY	DESCRIPTION
1	07/27/07	AC	INITIAL DESIGN
2	07/27/07	AC	REVISION
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99	07/27/07	AC	REVISION
100	07/27/07	AC	REVISION

PROPOSED MINE SEQUENCE AND PLANNED SUBSIDENCE BOUNDARY

Dugout Canyon Mine

Canyon Fuel Company, LLC
Soldier Canyon & Dugout Canyon Mines

REGISTERED PROFESSIONAL ENGINEER
DAVID G. SUTCLIFF
STATE OF UTAH
LICENSE NO. 1488

DATE: 05/15/2008
SCALE: AS SHOWN
SHEET NO. 5
TOTAL SHEETS: 7
PROJECT: DUGOUT CANYON MINE
DRAWN BY: [Name]
CHECKED BY: [Name]
DATE: 05/15/2008