PERMIT AREA "A"

PERMIT AREA "B"

NORTH LILA CANYON FAULT

MIDDLE LILA CANYON FAULT

SOUTH LILA CANYON FAULT

ENTRY FAULT

CENTRAL GRABEN FAULT

Old Lila Canyon Fan Portals Mined from Inside Out NO Surface Disturbance Permananetly Sealed

PROJECTED NEW PORTALS

FIRST MINING ONLY

EXPLORATION ENTRY

EXISTING EMERY COUNTY ROAD

FOREST OIL COMPANY

S-19 EL = 7237 13.6'

S-3 EL = 7070 13.5'

IPA #1 EL = 7034 14.4'

S-20 EL = 695 13.0'

S-18 EL = 7105 13.5'

IPA #2 EL = 6805 13.3'

S-2 EL = 6825 11.5'

IPA #3 EL = 6810 11.0'

S-16 EL = 6850 10.9'

S-21 EL = 6782 13.1'

S-15 EL = 6668 11.2'

S-22 EL = 6720 11.0'

Area Partially Mined

OC-1 OC-1a OC-1b OC-2 OC-3 OC-3a OC-4 OC-6 OC-7 OC-8 OC-9 OC-11 OC-02 OC-03

## LEGEND:

- PERMIT AREA "B" (LILA CANYON):
- PERMIT AREA "A" (HORSE CANYON):
- LMU
- COAL OUTCROP:
- OUTCROP MEASURMENTS: OC-11
- FAULTS: U D
- COVER LINES: 500
- MAXIMUM EXTENT OF SUBSIDENCE:
- Using 21.5° angle draw
- FIRST MINING
- OUTCROP BARRIER (Extent of 2nd Mining)

## REVISION DATE:

| DATE: | BY: | DATE: | BY: |
|---|---|---|---|
| APRIL 23 1998 | RJM | May 18, 2009 | RJM |
| AUG. 28, 2000 | BJ | | |
| DEC 14, 2000 | BJ | | |
| Sep 20, 2002 | RJM | | |
| Oct 15, 2003 | RJM | | |
| Dec 29, 2004 | RJM | | |
| Jan 14, 2005 | RJM | | |

N

T16S R14E

500' 0' 1000' 2000'

UTAH REGISTERED PROFESSIONAL ENGINEER #152606 R. Jay Marshall 7/13/09

LILA CANYON MINE

Mine Map

| DATE: | DESIGNED BY: |
|---|---|
| JANUARY 1999 | UtahAmerican Energy, Inc. |
| SCALE: AS SHOWN | PLATE #: PLATE 5-5 |

QUARTERS LEGEND:

- 1st Quarter 2010 (No Production)
- 2nd Quarter 2010
- 3rd Quarter 2010
- 4th Quarter 2010
- 2011
- 2012
- 2013
- 2014
- 2015-2019
- 2020-2024

File in:
- ☐ Confidential
- ☒ Shelf
- ☐ Expandable

Refer to Record No. 0035 Date 07152009
In C0070013, 2007 Outcrop
For additional information