PERMIT AREA "A"

PERMIT AREA "B"

NORTH LILA CANYON FAULT

MIDDLE LILA CANYON FAULT

SOUTH LILA CANYON FAULT

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

OC-01

PROJECTED NEW PORTALS

OC-02

OC-03

FIRST MINING ONLY

OC-1a

OC-1b

OC-2

OC-3

OC-3a

OC-4

OC-6

OC-7

OC-8

OC-9

EXISTING EMERY COUNTY ROAD

EXPLORATION ENTRY

S-19 EL = 7237 13.6'

S-3 EL = 7070 13.5'

IPA #1 EL = 7034 14.4'

S-20 EL = 695[illegible]

S-18 EL = 7105 13.[illegible]

S-1 EL = 6956 13.2'

IPA #2 EL = 6805 13.3'

S-2 EL = 6825 11.5'

IPA #3 EL = 6810 11.0'

S-21 EL = 6782 13.1'

S-16 EL = 6850 10.9'

S-15 EL = 6668 11.2'

S-22 EL = 6720 11.0'

FOREST OIL COMPANY

ENTRY FAULT

CENTRAL GRABEN FAULT

Area Partially Mined

D 13'

D 8'

D 17'

D 25'

D 50'

D 205'

D 145'

D 40'

2500

2000

1500

1000

500

3000

7

10

11

12

13

14

15

18

19

22

23

24

26

27

30

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		

T16S R14E

500' 0' 1000' 2000'

UTAH REGISTERED PROFESSIONAL ENGINEER #152606 R. Jay Marshall 4/10/11

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