PERMIT AREA "A"

PERMIT AREA "B"

NORTH LILA CANYON FAULT

MIDDLE LILA CANYON FAULT

SOUTH LILA CANYON FAULT

ENTRY FAULT

CENTRAL GRABEN FAULT

PROJECTED NEW PORTALS

FIRST MINING ONLY

EXISTING EMERY COUNTY ROAD

EXPLORATION ENTRY

FOREST OIL COMPANY

S-19 EL = 7237 13.6'

S-3 EL = 7070 13.5'

IPA #1 EL = 7034 14.4'

S-20 EL = 6957 13.2'

S-18 EL = 7105 13.5'

IPA #2 EL = 6815 11.5'

S-5 EL = 6825 11.5'

IPA #3 EL = 6810 11.0'

S-11 EL = 6782 13.1'

S-16 EL = 6850 10.9'

S-15 EL = 6668 11.2'

S-22 EL = 6720 11.0'

Area Partially Mined

RECEIVED FEB 25 2005 DIV. OF OIL, GAS & MINING

File in Expandable 02242005 (Refer to Record No. 0001 in C0070013, 2005, Incoming)

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:
APRIL 23 1998	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 #152606 R. Jay Marshall 2/2/05 PROFESSIONAL ENGINEER

LILA CANYON MINE

Mine Map

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

QUARTERS LEGEND:

- 1st Quarter 2005 (No Production)
- 2nd Quarter 2005
- 3rd Quarter 2005
- 4th Quarter 2005
- 2006
- 2007
- 2008
- 2009
- 2010-2014
- 2015-2019