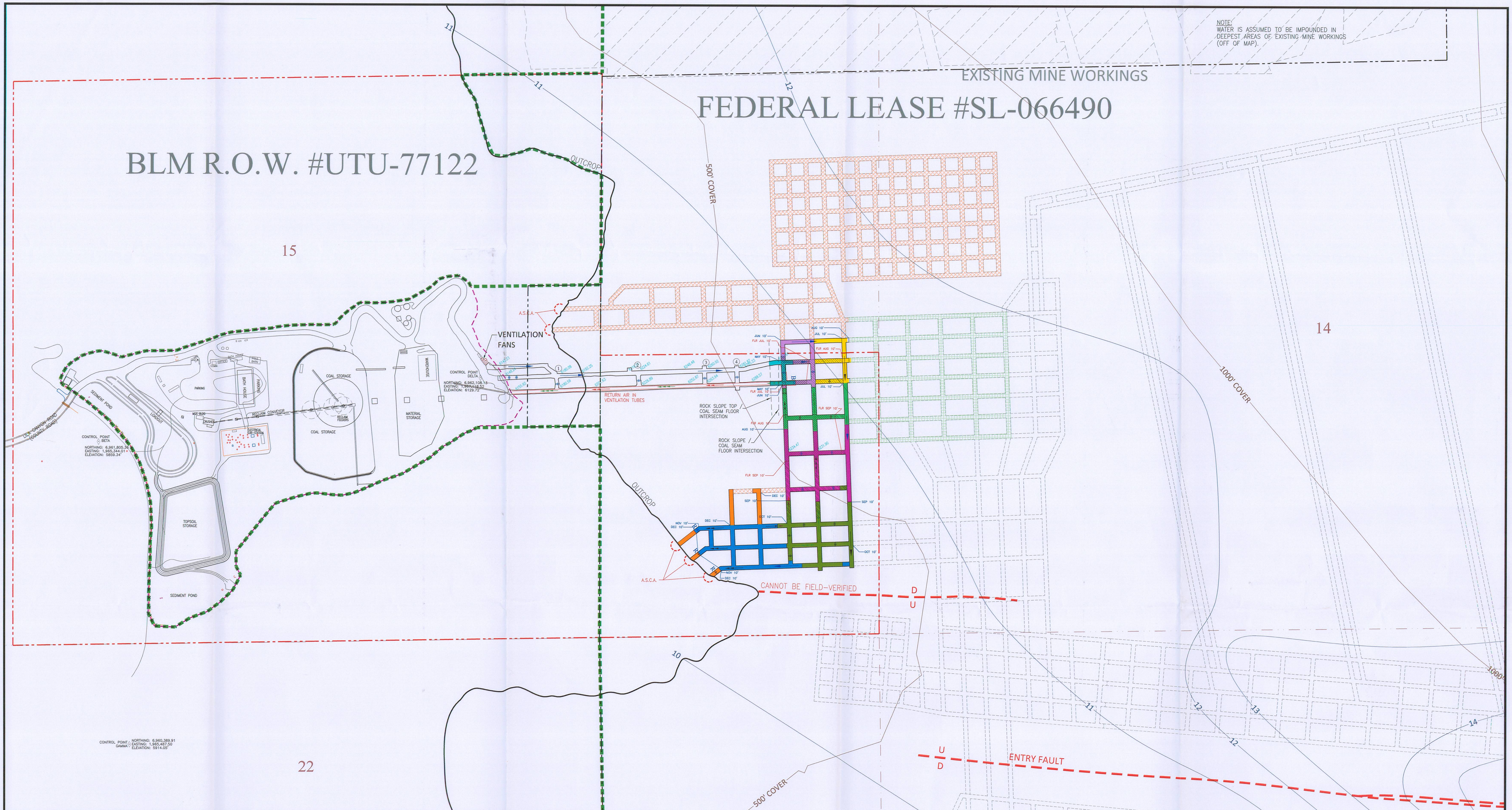
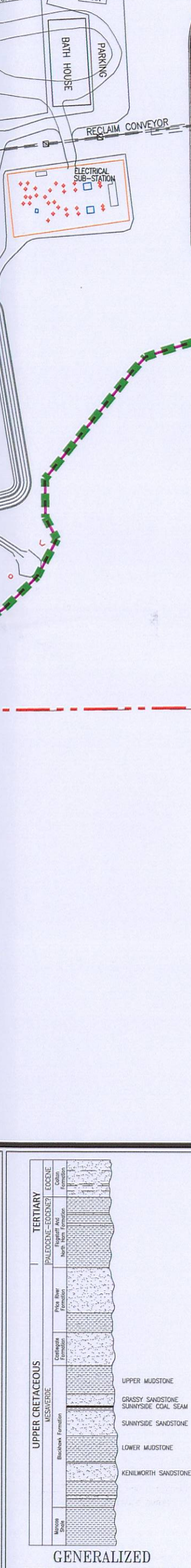


LEGEND

STOPPING
STOPPING WITH DOOR
EQUIPMENT DOOR
BOX CHECK
CURTAIN
TRAVEL CURTAIN
REGULATOR
STOPPING W/AIR LOCK
FIRE DOORS
FUTURE MINING
SEAL
PROPOSED SEAL
CONVEYOR TRANSFER POINT
ROCK STORAGE
INTAKE AIR
RETURN AIR
BLEEDER AIR
BELT AIR
PROPERTY CORNER
X-CUT NUMBER
OVERCAST
OVERCAST W/ MANDOOR
EXTRACTED RESOURCES
BLEEDER MEASUREMENT POINT (DIRECTION AND QUALITY)
BLEEDER MEASURING POINT LOCATION (DIRECTION, QUALITY, & QUANTITY)
CO SENSOR
CORRECTED CO
H2S SENSOR
CH4 SENSOR
PROJECTED OVERCAST
POSTED HOT MANTRAWS
VENTILATION PIPE
STOPPING/CANA
PROJECTED STOPPING
BRATTICE LINE
OVERBURDEN
TOP OF COAL SEAM (STRUCTURE)
SURFACE DRILL HOLE
EVALUATION POINTS
LEASE BOUNDARY
BASELINE POINT
75-3205(g) AIR QUALITY MEAS. POINT
70.1900(c)(3 or 4) CO/NO2 MEAS. POINT
75-3205(d) AIR QUALITY MEAS. POINT
PROJECTED UNDERGROUND FAULT LOCATION
DISTURBED AREA PERIMETER
PROPOSED FUTURE STOPPING
PERMIT BOUNDARY LINE
SECTION LINE
PROJECTED FUTURE MINING
COVER (ISOPACH LINE) — 500' COVER
SEAM THICKNESS (ISOPACH LINE) — 10'



GENERALIZED LITHOLOGIC SECTION

2010 COAL PRODUCTION LEGEND

DEVELOPMENT	FINAL HGT.	MONTHLY TONNAGE	
N/A	N/A	JANUARY	0
N/A	N/A	FEBRUARY	0
N/A	N/A	MARCH	0
N/A	N/A	APRIL	0
	N/A	MAY	2335.62
	N/A	JUNE	4225.73
		JULY	5557.55
		AUGUST	10753.61
		SEPTEMBER	15513.54
		OCTOBER	16742.45
	N/A	NOVEMBER	13191.92
	N/A	DECEMBER	3966.55
		2010 TOTAL:	72,286.97

ESTIMATED FUTURE PRODUCITON THROUGH DILIGENCE

2011 PRODUCTION

2012 PRODUCTION

STRIKE N14°55'W

DIP 12%

2010 COAL PRODUCTION AREAS WITH PROJECTIONS

SEAL INSTALLATION

1. SEALS WILL BE INSTALLED ACCORDING TO CFR 30-75.335
2. BOARD AND BURLAP SEALS WILL BE INSTALLED IMMEDIATELY
3. PIPE SEALS AT THE HIGHEST ELEVATION WILL BE DRAINED WITH A 3/2" PIPE
4. FINAL SEALS AT LOWEST ELEVATION WILL BE EQUIPPED WITH A DRAIN PIPE AND A WATER TRAP

SURVEY INFORMATION:

ENTRY HT
STATION
ROOF ELEVATION

FAN INFORMATION

FAN #1
MANUFACTURER: SPENDRUP Series 1400-70-FTG
75,000 cfm MAX. WATER GAGE 9.2"
250 HORSEPOWER DIAMETER: 58"
460 VOLTS, 3 phase
1,800 R.P.M. BLADE SETTINGS: 10°

FAN #2
MANUFACTURER: SPENDRUP Series 1400-70-FTG
75,000 cfm MAX. WATER GAGE 9.2"
250 HORSEPOWER DIAMETER: 58"
460 VOLTS, 3 phase
1,800 R.P.M. BLADE SETTINGS: 10°

INSTALLATIONS MEET THE REQUIREMENTS OF 75.310

NOTE: FAN #2 IS NORMALLY IDLE AND USED AS A BACKUP FOR FAN #1.

NOTES

1. NO WATER POOLS EXIST ABOVE THE MINE.
2. NO WELLS WITHIN 1,000' ARE THE TOP OF THE SEAM
3. NO OIL OR GAS WELLS
4. NO HIGH PRESSURE
5. MINE ID NUMBER: 42-02241
6. NEAREST RAILROAD TRACKS ARE LOCATED APPROXIMATELY 4.05 MILES TO THE SOUTHWEST.

RECEIVED
APR 05 2011
DIV. OF OIL, GAS & MINING

ROD ANDERSON, SUPERVISOR/FORTMAN
NICK SAVAGE, SUPERVISOR/FORTMAN
MINE SAFETY & SURVEYOR
PHONE: (435) 888-4016
(435) 888-4025

NOTE: CONTROL POINT COORDINATE SYSTEM IS U.S. STATE PLANE 1983 – UTAH CENTRAL (4302) ADJUSTED TO SEA LEVEL.

UtahAmerican Energy, Inc.

I CERTIFY THIS MAP TO BE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

UTAH REGISTERED PROFESSIONAL ENGINEER 152006 Jay Morrhall

PERMIT NUMBER: 007/013
LMU NUMBER: UTU-73516

individual responsible for the information shown on this map
Gordon Mabe
(435) 888-4016

Date: MAR. 31, 2011

Lila Canyon Mine
Lower Sunnyside Seam

23415 North Lila Canyon Road
Green River, Utah 84525
(435) 888-4000

Scale: 1" = 200'

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