Exp. 03/01/04

No. 151610

3/1/04

B.G. Saunders P.E.
Utah No. 151610

NOTES

1. PERMANENT CONTROL POINTS

ID	NAME	NORTHING	EASTING	ELEVATION
	CO	93232.262	69732.262	7142.7'
	FRESNETT	93911.202	70930.298	7144.5'
	RETWOOD	93231.074	69595.015	7181.7'
BM-1				
BM-2				
BM-3				

2. BASIS OF BEARING: BOLIDER CREEK LOCAL COORDINATE SYSTEM

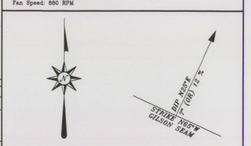
3. THERE ARE NO KNOWN OIL WELLS AND ONLY ONE GAS WELL (DRILL HOLE TD-3) LOCATED WITHIN THE LEASE BOUNDARIES.

4. DUGOUT MINE ROCK CANYON SEAM IS LOCATED APPROXIMATELY 80' ABOVE THE DUGOUT MINE GILSON SEAM.

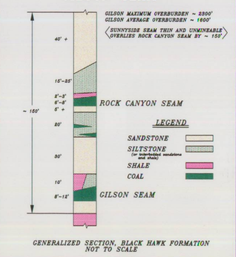
5. THERE ARE EXISTING MINE WORKINGS ON MINE PROPERTY SHOWN ON THIS MAP IN THE ROCK CANYON SEAM, THE GILSON CANYON AND GILSON COLLAPSED THAT ARE WITHIN 100'OF 1st MINING OR PROJECTED WORKINGS.

6. THIS MAP CONTAINS INFORMATION SHOWN TO SATISFY THE REQUIREMENTS OF 30 CFR 75.371 THAT IS SUBJECT TO APPROVAL BY THE DISTRICT MANAGER

7. FAN:
MAIN MINE FAN (active)
Joy Model: 1-HD-1500-4-120-85-880
Electric Motor - Baldor EP-1500
(TEMPORARY SPARE MOTOR
Fan Speed: 1200 RPM
Baldor 600 HP 1800 RPM
Gearbox: 4.0 RPM
Belts: 8 Belts
Blade Setting: 27° (Date of blade change 3/08/04)
Fan Speed: 880 RPM



DUGOUT PROJECT
GILSON SEAM



GENERALIZED SECTION, BLACK HAWK FORMATION
NOT TO SCALE

VENTILATION MEASUREMENT POINTS

WATER SUMPS:

NONPILLARED WORKED-OUT AREAS:

BLEEDER SYSTEMS:

MINE PROGRESS MAP
DUGOUT CANYON MINE
P.O. BOX 1029
WELLINGTON, UT. 84542
M.S.H.A. I.D. No. 42-01890

LEASES = STATE ML-42648 & ML42649
FEDERAL U-07064-02782
U.S.G.S. MAP: PUMPKIN CREEK 7.5' QUADRANGLE

0' 125' 250' 500'

LEGEND

OUTCROP BOUNDARY
COVER LINES
INTAKE AIR DIRECTION
RETURN AIR DIRECTION
BELT AIR DIRECTION
GOBBED ROCK
LEASE BOUNDARY
VERTICAL DRILL HOLE
CO SENSOR
CH4 SENSOR
TEMPERATURE SENSOR
PDS STATION
SWIRE SENSOR
BIS SENSOR
PROJECTED VENTILATION
STOPPING
EXPLOSION DOORS
BURNED COAL
REGULATOR
OVERCAST
STOPPING / DOOR
STOPPING / DOOR THRU DOOR
PROPOSED VENTILATION SEAL
VENTILATION SEAL
BOX CREEK STOPPING
PIPE REGULATOR
TEMPORARY STOPPING
PRIMARY ESCAPEWAY
SECONDARY ESCAPEWAY
TELEPHONE
BELT HAULAGE ENTRY
WATER LEVEL
BELT DRIVE
VENTILATION MEASUREMENT PT.
LINE BRATTICE
ROOF FALL
IN SEAM DRILL HOLES
14-5
HOIST POD
ROCK CANYON SEAM OLD WORKINGS
GILSON SEAM OLD WORKINGS
FIRE VALVE
SHUT OFF VALVE

Canyon Fuel Company, LLC
Dugout Canyon Mine

TITLE:
Gilson Seam Mine Map

REVISIONS:		SCALE:
3/09/04	JKS	1" = 250'
3/10/04	JKS	DRAWN BY:
3/11/04	CAH	JKS

CAD DRAWING: GILMAP.DWG

DRAWING NO.: