NOTES:

1. Last Update: _______________
2. (A) N501,430.28 E2,217,423.81, el 7239
   (B) N500,565.95 E2,217,535.74, el 7152
   (C) N500,435.03 E2,217,165.37, el 7173
3. Federal Lease: U-010581, SL-027304 and SL-063058
   Sections: 7, 8, 6 and 5; T135, R11E, S.L.B&M.
   Carbon County
   Utah
4. Basis of bearing: Utah State coordinate system.
5. Average Entrycuts and Crosscuts are 83.3 ft. centers.
6. Fan: Spendrup vaneaxial 200 hp.: Dia. 8' Model: AMF 2000-8-10
   460 Volts, 1180 rpm
   Volume: 198,940 cfm
   Water Gauge: 0.75"
   Blade Setting: 35°-55°
7. There are no existing oil or gas wells located on property.
8. There are no known water pools located above the mine.
9. All electrical transformers and main mine pumps are vented directly to the return via 6" galvanized stove pipe.
10. Pinnacle Mine Gilson Seam is approximately 190' below the Apex Mine Sunnyside Seam, 80' below the Pinnacle Mine Centennial Seam, and approximately 220' above the Aberdeen Mine Aberdeen Seam.
    Pinnacle Mine Centennial Seam is approximately 80' below the Apex Mine Sunnyside Seam, 110' above the Pinnacle Mine Gilson Seam, and 330' above the Aberdeen Mine Aberdeen Seam.
11. There are existing mine workings on mine property shown on this map that are located in the same coalbeds within 1000 feet of existing or projected workings.
12. Coal seam elevations satisfying 75-372 (Para.17) are contained on file at the district office.

Dip N 25° E 12%
Strike N63°04'E Centennial Seam

Dip N 25° E 12%
Strike N 65° W Gilson Seam

N

LEGEND:

Intake Air
Return Air
Neutral Air
Beltline
Primary Escapeway
Alternate Escapeway
Stopping
Stopping w/ Mandoor
Block Wall w/ Hole
Block Wall w/ Hole & Mandoor
Equipment Doors
Seal
Overcast
Overcast w/ Mandoor — MD
Box Check
Travel Curtain — T
Check Curtain — C
Brattice Line
Regulator — R
Beltdrive
Electric Transformer
7200 Volt 2/0 Cable
Power Disconnect
L-Volt Power Line
Battery Charger
Trickle Duster
Pump
Fan
Power Dist. Panel

Permanent Baseline
Lease Boundary
Outer Boundary
Drill Hole
Burn Line
Overburden Contour
Seam Outcrop
Pillar Extraction
Pillar to be left to maintain bleeder entry
Projected Workings
Projected Intake
Projected Beltline
Projected Return
Proposed Stopping
Proposed Seal — PS
Proposed Regulator — PR
Check Survey
Check Point — CP
Bleeder Measurement — BM
Measuring Point Location — MPL
Water

Sta. No. / Ent. Ht. / Elev.

CENTENNIAL PROJECT
DEADMAN CANYON

CASTLE GATE SANDSTONE
APEX MINE
LOWER SUNNYSIDE COAL SEAM
4' - 5'
LOWER SUNNYSIDE SANDSTONE
PINNACLE MINE
CENTENNIAL COAL SEAM
4' - 7'
PINNACLE MINE
GILSON COAL SEAM
4' - 9'
KENILWORTH SANDSTONE
ABERDEEN MINE
ABERDEEN COAL SEAM
4' - 13'
ABERDEEN SANDSTONE
MANCOS SHALE 3,000 FT

BLACKHAWK FORMATION 720 FT
80'±
110'±
220-270'±

GENERALIZED SECTION, BLACKHAWK FORMATION
NOT TO SCALE

Longwall Gob Areas	
Jan. 2004	Production Area
Feb. 2004	Production Area
Mar. 2004	Production Area
Apr. 2004	Production Area
May 2004	Production Area
Jun. 2004	Production Area
Jul. 2004	Production Area
Aug. 2004	Production Area
Sep. 2004	Production Area
Oct. 2004	Production Area
Nov. 2004	Production Area
Dec. 2004	Production Area

REGISTERED PROFESSIONAL ENGINEER #191488 John Christopher Lewis 3-24-05

I hereby certify that the design and/or map contained herein was prepared by me or under my supervision and is true and correct to the best of my knowledge.

LICENSED PROFESSIONAL GEOLOGIST # 5553419 MICHAEL W. GLASSON STATE OF UTAH 03/31/05

RECEIVED
APR 05 2005
DIV. OF OIL, GAS & MINING

LAST UPDATE: January 20, 2005

MSHA Mine I.D. 42-01474
Individual responsible for the information shown on this map.
James D. Sorensen, Mine Engineer
(435) 888-4000

ANDALEX RESOURCES, INC.
Tower Division
P.O. Box 902
Price UT, 84501

Pinnacle Mine
Gilson Seam
Centennial Seam
2004 Production Areas

Scale: 1"=500' Date: 03/24/05

ACAD REF: 2004 Summary DOGM