Panel 4
Panel 3
Panel 2
Panel 1
DH 6-NACC
EL 7460.0
13.0' Coal
DH 5
EL 7437.0
10.5' Coal
DH 89-1-CP
EL 8306.6
7.0' Coal
0.5' Silt/Coal Stringers
0.3' Coal
8.0' Total
DH MC-191
EL 7282.91
3.7' Coal
3.1' Silt
9.9' Coal
16.7' Total
DH 89-3-AP
EL 7169.1
DH 77-3-CP
EL 7460.1
7.0' Coal
1.2' Bone
1.1' Coal
9.3' Total
DH 2
2.83' Coal
1.42' Rock
1.58' Coal
5.83' Total
DH 89-1-AP
EL 7238.6
8.4' Coal
1.1' Silt
1.0' Coal
10.5' Total
DH 89-2-AP
EL 7282.4
DH 77-2-CP
EL 7309.5
6.3' Coal
0.6' Bone
1.0' Coal
7.9' Total
DH 89-2-PIN
EL 7014.4
4.5' Coal
DH 7-NACC
EL 7192.0
9.0' Coal
DH 77-1-CP
EL 7284.1
7.0' Coal
0.6' Bone
0.2' Coal
7.8' Total
DH 89-3-PIN
EL 7284.7
8.8' Coal
0.6' Clay Stone
1.0' Dirty Coal
8.4' Total
DH 2A
EL 7165.0
5.48' Coal
0.66' Rock
0.75' Coal
6.49' Total
DH MC-193
EL 7191.94
5.13' Coal
0.12' Silt/Coal Stringers
1.85' Coal
7.1' Total
DH 77-4-CP
4.9' Coal
DH 77-5-CP
EL 7085.0
2.0' Coal
1.5' Shale
5.3' Coal
8.8' Total
DH 77-6-CP
4.5' Coal
DH 77-7-CP
4.5' Coal
0.3' Shale/Bone
2.5' Coal
7.3' Total
Blue Flame Mine
7'2" Coal
Federal Lease U-010581
Andalex Resources, Inc. Fee
Federal Lease U-010581
Federal Lease SL-27304
Federal Lease SL-27304
Federal Lease SL-63058
ARP Federal Lease SL-064840-020115
Federal Lease SL-027304 020
Andalex Resources, Inc. Fee
Federal Lease SL-027304 010
Federal Lease SL-063058 010
1600'
1200'
800'
400'
1200'
800'
400'
1200'
2,220,000 E
2,214,000 E
2,500,000 N
2,504,000 N
SUMP
DH 109'
Sump
Apex Fan
Apex Portal EL 7324
Apex New Office
Apex Stockpile
Truck Loadout
Material Storage
Pinnacle Portal
Pinnacle Stockpile
Pinnacle Fan
Pinnacle Mine Office
Warehouse
Substation
Bathhouses
Sediment Pond B
Sediment Pond A
Sediment Pond C
Water Well Color-CL-2268 Total Depth 99'
Intake Air Heading: 46,200 CFM Pinnacle Portal: 39,275 CFM Total Intake: 85,475 CFM
Main Fan Pinnacle Mine
Aberdeen Fan EL 7094.0
Rock Barricade
Outcrop
Burn
Truck Loadout Area
Aberdeen Mine
Tower Division
Aberdeen Mine
P.O. Box 902
Price, Utah 84501
Scale:
100' 0' 200' 400'
I, Bruce T.S. Ware, do hereby certify that I am a registered land surveyor, that I hold certificate no. 4502, as prescribed by the state of Utah; that this survey was made by me and is true and correct as shown hereon.

NOTES:

1. Last Update ----------
2. A N501,439.28 E521,423.81 el 7239
   B N501,693.51 E521,617.76 el 7231
   C N502,108.23 E521,193.44 el 7240
3. Federal Leases U-010581, SL-027304 and SL-063058
   Sections 7, 8, 6 and 5, T13S, R11E, SLB&M
   Carbon County
   Utah
4. Basis of bearing Utah State coordinate system.
5. Average Entrycuts and Crosscuts are 83.3 ft. centers.
6. Fan Spendup Vanaxial 125 HP.
   460 Volts, 60 Hertz, 3 Phase, 1180 rpm
   Volume: 46,200 cfm
   Water Gauge: 52"
   Blade Setting: 35 - 55°
   Diameter: 8'
7. There are no existing oil or gas wells located on property.
8. There are no known water pools located above the mine.
9. The main mine sumps in the Pinnacle Mine (Gilson Seam) are located 200' above the Aberdeen Mine. No second mining is planned under these areas.
10. All electrical transformers vented directly to return via 6' galvanized stove pipe.
11. Aberdeen Mine is approximately 200' below the Pinnacle Mine Gilson Seam, 300' below the Pinnacle Mine Centennial Seam and 400' below the Apex Mine Sunnyside Seam.

LEGEND:

Intake Air
Return Air
Primary Escapeway
Secondary Escapeway
Stopping
Stopping w/ Handoor
Equipment Doors
Seal
Overcast
Box Check
Travel Curtain T
Check Curtain C
Regulator R
Beltdrive and Line
Electric Transformer
7200 Volt 2/0 Cable
Power Disconnect
Check Survey
Water Well
Permanent Baseline
Lease Boundary
Outer Boundary
Water Borehole
Power Borehole
Drill Hole
Proposed Stopping
Proposed Stopping w/ Handoor
Proposed Seal
Proposed Regulator
Burn Line
Overburden Contour
Seam Outcrop
Pillar Extraction
Pillar to be left to maintain bleeder entry