

NOTES
 1. THE CULTURAL DATA PRESENTED ON THIS MAP HAS BEEN FIELD CHECKED AND CORRECTED RELATIVE TO THAT ON THE U.S.G.S. TOPOGRAPHIC BASE MAP.
 2. PROPERTY LINES AND OWNERS ARE BASED UPON CURRENT COUNTY TAX ASSESSMENT MAPS, UNLESS DETERMINED BY FIELD SURVEY.



LEGEND - EXHIBIT 5

- AREA AFFECTED 149 ACRES
- SEDIMENTATION BASIN
- TREATMENT POND
- GROUNDWATER FLOW
- SLOPE MEASUREMENT
- TESTHOLE
- PROPERTY LINES
- MINE WORKINGS
- MINING SEQUENCE
- SPRING, WELL
- BACKGROUND WATER SAMPLE
- MONITORING WATER SAMPLE

DRILL LOGS

HOLE NO.	S.E.	OVERBURDEN	THICKNESS	COAL I.D.
1	1721	9'	2.5'	M.K. (c)
2	1714	55'	2.5'	L.K. (b)
3	1708	46'	0.7'	M.K. (c)
4	1709	50'	2.5'	L.K. (b)
5	1702	50.5'	3.0'	L.K. (b)
6	1718	5'	1.0'	M.K. (c)
8	1837	59'	2.7'	L.K. (b)
9	1828	4'	2.0'	M.K. (c)
8	1837	48'	2.3'	U.K. (c')
9	1828	53'	2.3'	U.K. (c')
10	1799	40'	2.3'	U.K. (c')
11	1774	80'	—	L.K. (b)
12	1794	82'	2.0'	M.K. (b)
13	1738	32'	2.1-5'	M.K. (c)
14	1735	30'	—	L.K. (b)
15	1716	48'	—	L.K. split

REVISED 2/8/82 for MP info. - Hess/Fisher Engineers, Inc.

EXHIBIT 5
 SKY HAVEN COAL INC.
 BOGLE NO.1
 UNION TWP CLEARFIELD, CO.
 MINE DRAINAGE NO. 17800132
 HESS & FISHER ENGINEERS, INC.
 FEBRUARY 1980
 SCALE: 1 inch = 400 feet
 7930 0 1 2 3 4 6 8 M-00536