

**TEST HOLE DATA**

T.H. 1 SUR. ELEV.: 1460' MK-1 ELEV.: 1433' TOTAL COAL THICKNESS 2.6'	T.H. 2 SUR. ELEV.: 1475' MK-1 ELEV.: 1425' TOTAL COAL THICKNESS 2.8'	T.H. 3 SUR. ELEV.: 1445' MK-2 ELEV.: 1432' MK-1 ELEV.: 1396' TOTAL COAL THICKNESS 2.7'
T.H. 4 SUR. ELEV.: 1455' MK-2 ELEV.: 1402' MK-1 ELEV.: 1378' TOTAL COAL THICKNESS 3.8'	T.H. 5 SUR. ELEV.: 1415' MK-1 ELEV.: 1392' TOTAL COAL THICKNESS 1.5'	T.H. 6 SUR. ELEV.: 1420' MK-1 ELEV.: 1382' TOTAL COAL THICKNESS 1.9'
T.H. 7 SUR. ELEV.: 1410' MK-2 ELEV.: 1395' MK-1 ELEV.: 1380' TOTAL COAL THICKNESS 3.2'	T.H. 8 SUR. ELEV.: 1425' MK-2 ELEV.: 1376' MK-1 ELEV.: 1353' TOTAL COAL THICKNESS 2.2'	

**LEGEND**

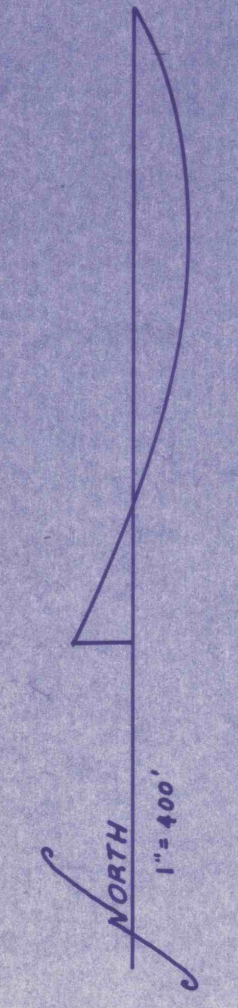
- SEDIMENTATION TRAP  
AREA AFFECTED 160 ACRES
- SEDIMENTATION BASINS
- TREATMENT PONDS
- GROUND WATER FLOW DIRECTION
- SLOPE MEASUREMENTS
- TEST HOLE
- MINE WORKINGS ADDENDUM KEY
- PROPERTY LINE
- STRIKE & DIP
- SAMPLING POINTS  
SPRING, SEEP
- BACKGROUND MONITORING
- STREAM
- COAL SEAMS  
MIDDLE KITTANNING RIDER (MK-2)  
MIDDLE KITTANNING (MK-1)  
PREVIOUSLY MINED AREA

**GROUND WATER DATA**

SAMPLE NO.	SOURCE	ELEV.	FLOW (GPM)	DATE SAMPLED
2	SPRING	1375'	1	2-24-82
4	SPRING	1395'	2	2-24-82
6	SEEP	1260'	<1	2-23-82
7	DRAIN PIPE DISCHARGE	1220'	2	2-15-82
19	SPRING	1420'	1	1-15-82
20	SPRING	1300'	3	11-18-81

**NOTES:**

- 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.
- PROPERTY LINES AND OWNERS ARE BASED UPON CURRENT COUNTY TAX ASSESSMENT MAP UNLESS DETERMINED BY FIELD SURVEY.



DATE	REVISION	BY	DATE	REVISION	BY
2/18/83	REVISE CORRECTIONS	M.R.B.			

APPROVED: _____	DATE: _____
APPROVED: _____	DATE: _____
REG. NO. _____	DATE: _____

**EXHIBIT V**

**AL HAMILTON CONTRACTING CO.**  
**CALEDONIA POINT JOB**  
 M.O.P. 4575 SM 4 UPDATE WITH ADDITIONAL ACREAGE  
 COVINGTON TWP CLEARFIELD CO.

**HESS & FISHER ENGINEERS, INC.**  
**CONSULTING ENGINEERS & GEOLOGISTS**  
 36 NORTH SECOND STREET  
 CLEARFIELD, PA. 16830 814-765-7541

DRAWN BY: <i>RF</i>	DATE: 5-25-82	FILE NO.: 11-163 B
CHECKED BY: _____	SCALE: 1" = 400'	JOB NO.: _____
REG. NO. _____	DATE: _____	F.B. NO.: _____

SHEET 2 OF 2