

UTILITIES

COLUMBIA GAS OF PENNA., INC.
 CANNONSBURG SERVICE CENTER
 ED FISCUS
 ROUTE 980 BOX 561
 CANNONSBURG, PA. 15317
 PH (412) 746-2600

NATIONAL FUEL GAS SUPPLY CORP.
 H.N. SILVIS, FOREMAN
 RD #1 P.O. BOX 52A
 HADLEY, PA. 16130
 PH (412) 253-4205

BELL TELEPHONE CO. OF PENNA.
 JOHN RICE, DISTRICT MANAGER
 41 E. BEAU ST.
 WASHINGTON, PA. 15301
 PH (412) 222-0002

SMITH TOWNSHIP MUNICIPAL AUTHORITY
 JOHN C. MCKEE, JR. MANAGER
 SMITH TOWNSHIP, BOX 387
 BURGETTSTOWN, PA. 15021
 PH (412) 947-9147

MIDWAY MUTUAL TELEPHONE CO.
 JOHN D. PISER, DIVISION ENGINEER
 P.O. BOX 1971
 EXPORT, PA 15632
 PH (412) 327-3131 EXT 298

WEST PENN POWER CO.
 ROBERT RULLI
 365 WASHINGTON ROAD
 WASHINGTON, PA. 15301
 PH (412) 225-3000 EXT. 207

PROPERTY
 ② RAYMOND & MARGARET ZALAZNIK

NO.	DATE	REVISION	APPR.

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL RESOURCES
 OFFICE OF RESOURCES MANAGEMENT

SUBSURFACE EXPLORATION
 JOFFRE MINE COMPLEX
 WASHINGTON COUNTY

PROJECT NO. 130-7-2-1015

ROTARY BORING
 DRILL HOLE DETAIL PLAN
 AND DRILLING SUMMARY
 JOFFRE AND BULGER AREA

ACKENHEIL & ASSOCIATES
 GEO SYSTEMS, INC.
 PITTSBURGH, PA.

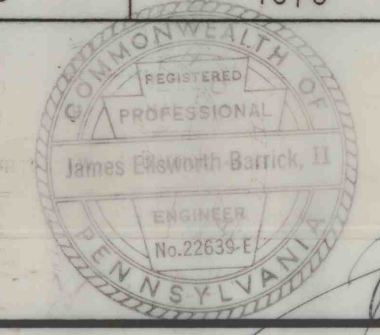
DRAWN BY E P	DATE APRIL 6, 1981	5 OF 6
CHECKED BY JEB	SCALE 1" = 500'	

- LEGEND**
- ▲ A-2 PRIMARY ROTARY HOLE LOCATION
 - ▬ EXISTING ACCESS ROUTE
 - ▬ PROPOSED ACCESS ROUTE TO BE CONSTRUCTED *
 - - - PROPERTY BOUNDARY *
 - UNDERGROUND UTILITIES *
 - OVERHEAD UTILITIES * (WEST PENN POWER CO.)

SCHEDULE OF BORINGS AND ITEMS

Hole Number	Approximate Surface Elevation	Estimated Bottom Coal Elevation	Estimated Depth of Hole	Additional Items Required
A-2	1100	1070	30	Monitor Wells to be Installed at the Direction of the Department Representative
A-3	1200	1100	100	
A-4	1190	1090	100	
A-5	1210	1110	100	
A-6	1165	1110	55	
A-7	1220	1120	100	
A-9	1270	1070	200	
A-11	1160	1080	80	
A-26	1090	1020	70	
A-29	1270	1070	200	

* LOCATIONS SHOWN ARE APPROXIMATE ONLY. WHERE CLEARANCE OR ENCROACHMENT PROBLEMS ARE POSSIBLE, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE APPROPRIATE OWNERS AND OBTAIN ACCURATE LOCATIONS OF PROPERTY LINES AND UTILITIES.



James E. Brunk III