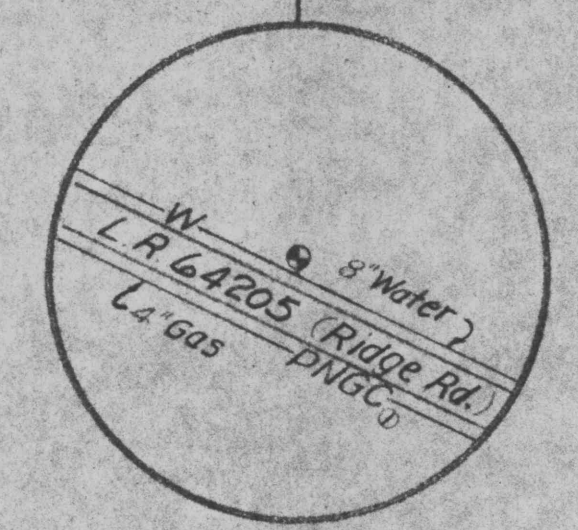
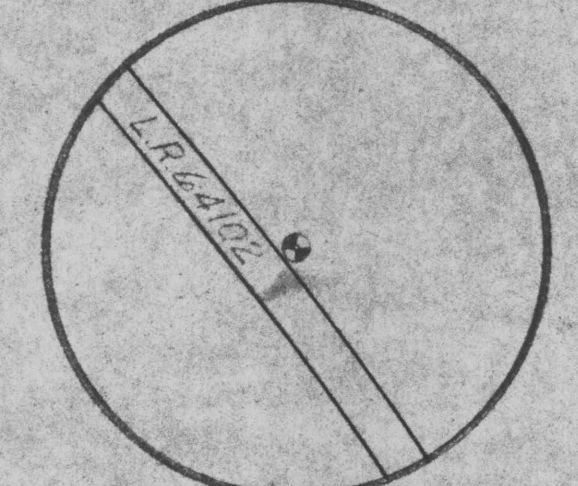


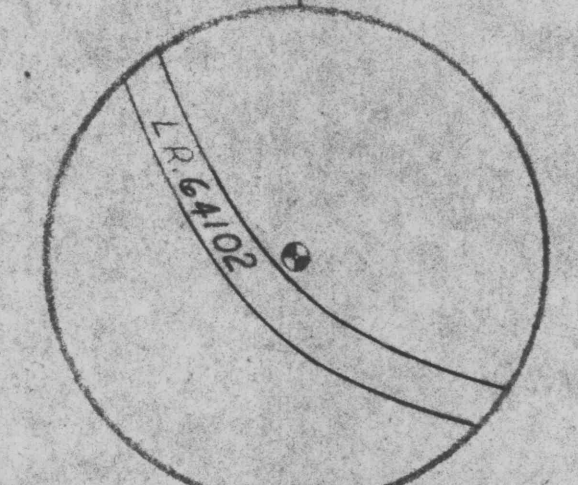
HOLE NO. 8  
APPROX. SURF. EL. 1140  
APPROX. COAL EL. 920  
EST. DEPTH 220'  
L.R. 64205



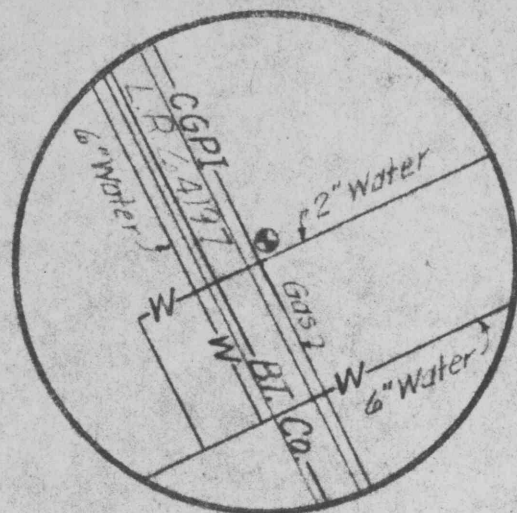
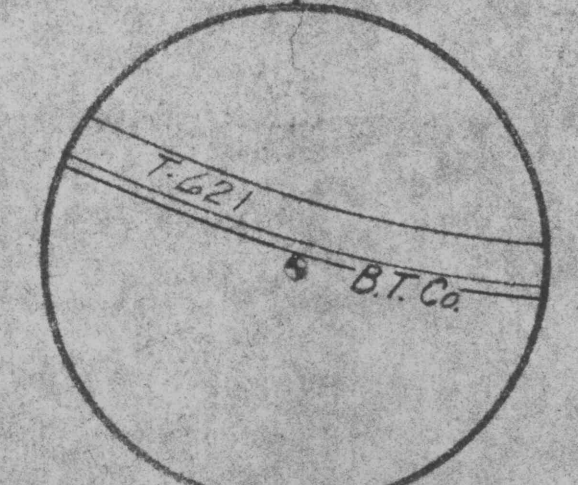
HOLE NO. 8A  
APPROX. SURF. EL. 900  
APPROX. COAL EL. 790  
EST. DEPTH 110'  
L.R. 64102



HOLE NO. 9  
APPROX. SURF. EL. 1000  
APPROX. COAL EL. 765  
EST. DEPTH 235'  
L.R. 64102

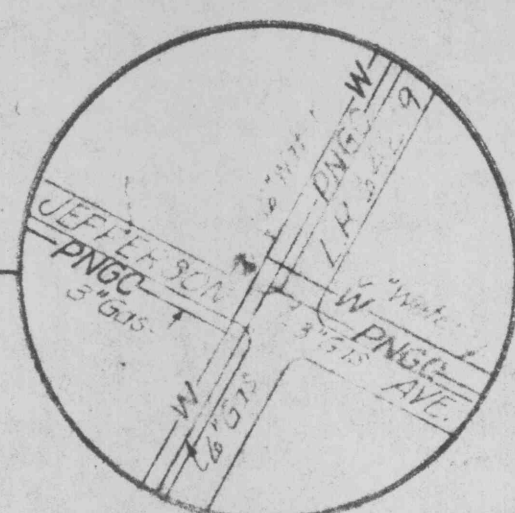


HOLE NO. 9A  
APPROX. SURF. EL. 940  
APPROX. COAL EL. 795  
EST. DEPTH 145'  
T-621

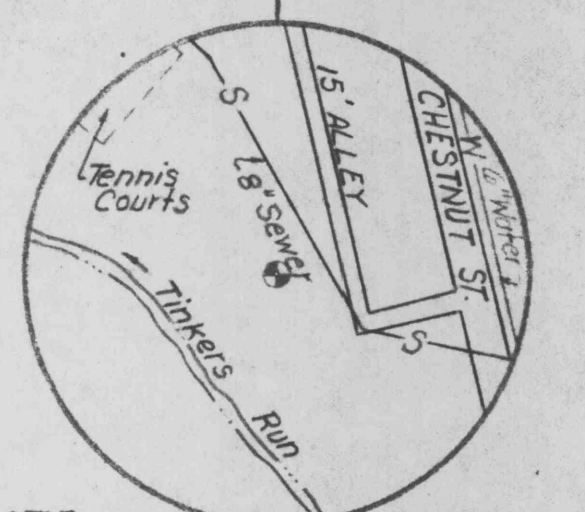


HOLE NO. 7  
APPROX. SURF. EL. 1200  
APPROX. COAL EL. 915  
EST. DEPTH 285'  
L.R. 64197

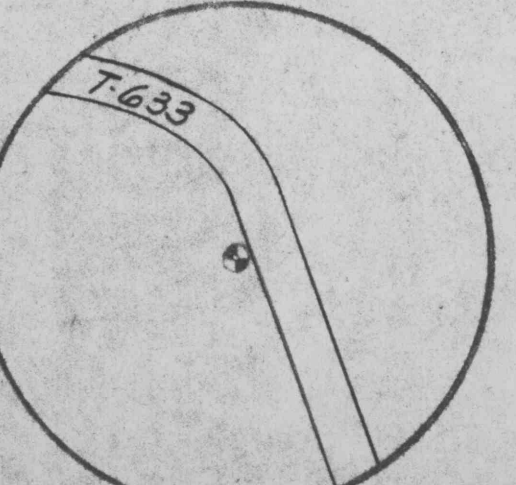
HOLE NO. 6  
APPROX. SURF. EL. 1005  
APPROX. COAL EL. 935  
EST. DEPTH 70'  
L.R. 64209



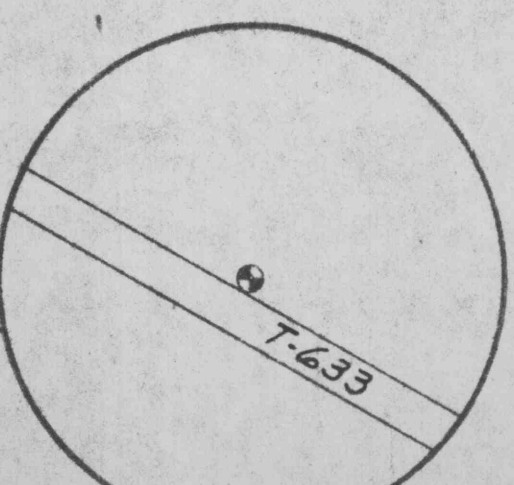
HOLE NO. 7A  
APPROX. SURF. EL. 940  
APPROX. COAL EL. 865  
EST. DEPTH 75'  
IRWIN BOROUGH  
MUNICIPAL PLAYGROUND



HOLE NO. 10  
APPROX. SURF. EL. 960  
APPROX. COAL EL. 660  
EST. DEPTH 300'  
T-633



HOLE NO. 10A  
APPROX. SURF. EL. 1000  
APPROX. COAL EL. 650  
EST. DEPTH 350'  
T-633



LIST OF UTILITIES

- PNGC - PEOPLES NATURAL GAS COMPANY  
Contact: Mr. Ron Myers  
P.O. Box 21-P, R.D. 2  
Greensburg, Pa. 15601  
Phone: (412) 834-9120
- CGPI - COLUMBIA GAS OF PENNSYLVANIA, INC.  
Contact: Plant Foreman  
121 S. Second Street  
Jennette, Pa. 15644  
Phone: (412) 527-1528  
Call At Least 3 Days Prior To Drilling
- W - MUNICIPAL AUTHORITY OF WESTMORELAND COUNTY  
Contact: Mr. Lester C. Thrunder  
Distribution Superintendent  
P.O. Box 730  
Greensburg, Pa. 15601  
Phone: (412) 834-6500 Ext. 30
- S - BOROUGH OF IRWIN  
Contact: Mr. Joseph R. Plies, Manager  
424 Main Street  
Irwin, Pa. 15642  
Phone: (412) 863-0630
- PNGC - PEOPLES NATURAL GAS COMPANY  
Contact: Mr. Charles L. Fields  
1911 Pitt Street  
Pittsburgh, Pa. 15221  
Phone: (412) 371-7717  
Refer Serial #514712
- B.T.Co. - BELL TELEPHONE COMPANY OF PENNSYLVANIA  
Contact: Construction Force Management Center  
131 Seton Hill Drive  
Greensburg, Pa. 15601  
Phone: (412) 636-1116

NOTE:  
Ingress and Egress for Hole No. 7A will be from the 15' alley across the field to the drilling site. All disturbed areas will be fully restored by the Commonwealths Contractor.

NOTE:  
ALL UNDERGROUND FACILITIES SHOWN ARE AT APPROXIMATE LOCATIONS ONLY AND SHOULD BE VERIFIED BY THE DRILLING CONTRACTOR IN THE FIELD PRIOR TO DRILLING OPERATIONS.

\* - SEE NOTE SHEET 2 OF 5

LEGEND

- Proposed Drill Hole
- Outcrop of Pgh. Coal Seam
- Pgh. Coal Contours
- Syncline Axis

NOTE:  
BORING LOCATION BLOW-UPS ARE NOT DRAWN TO SCALE.

- ROAD CLASSIFICATION
- Heavy-duty
  - Medium-duty
  - Light-duty
  - Unimproved dirt
  - Interstate Route
  - U.S. Route
  - State Route

NO.	DATE	REVISION	APPR.
SUBMITTED			
APPROVED			
APPROVED			



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
OFFICE OF RESOURCES MANAGEMENT

SUBSURFACE EXPLORATION FOR  
ABANDONED MINE PROJECTS  
IRWIN SYNCLINE BASIN

WESTMORELAND COUNTY, PENNA.  
PROJECT NO. SL 103-5-101.5

DRILL HOLE  
DETAIL PLAN

Swindell-Dressler Company  
Pittsburgh, Pennsylvania

DRAWN BY B.M.C.	DATE 5-22-75	DRAWING NO. SL 103-5-101.5
CHECKED BY R.C.O.	SCALE 1" = 2000'	4 OF 5