The undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by Paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

New Location
Abandonment

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. MARS-656
DRILLING CANCELED

Denotes location of well on United States Topographic Maps, scale 1 to 40,000, latitude and longitude lines being represented by border lines as shown.

Denotes one inch spaces on border line of original tracing.
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

Surface Owner: Arnold E. McCardle
Address: RD #3, Box 156, Elm Grove, W. VA 26003

Mineral Owner: SAME
Address: SAME

Coal Owner: Consolidated Coal
Address: Moundsville, W. VA

Coal Operator: None
Address: THIS PERMIT MUST BE POSTED AT THE WELL SITE

DATE: June 27, 1978

Company: Weirton Steel Co.
Address: Weirton, W.VA

Farm: Arnold E. McCardle
Acres: 79.90

Location (waters): Wheeling Creek
Well No.: #1
Elevation: 1295
District: Sandhill
County: Marshall
Quadrange: Majorsville

INSPECTOR
TO BE NOTIFIED: Phillip Tracy
ADDRESS: Middlebourne, W. Va.
PHONE: 758-4573

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated 

assignment October 13, 1976 by Appalachian Exploration, Inc. made to Weirton Steel Co. and recorded on the 24th day of June 1977 in Marshall County, Book 460 Page 344-350

X NEW WELL DRILL DEEPER REFRILL FRACTURE OR STIMULATE

OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.*

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address or

Very truly yours, Appalachian Exploration, Inc.
William E. Carpenter, Exploration Mgr.
RT #1, Box 26A
Port Washington, OH 43837

*SECTION 3.... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

PLEAS SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

BLANKET BOND

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 6, Section 12-b and will carry out the specified requirements."

Signed by William E. Carpenter

MARS-656 PERMIT NUMBER

47-051

STATE

OHIO
THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO: DRILL FRACTURE-STIMULATE
DEEPEN

DRILLING CONTRACTOR: (If Known)
NAME: Gene Haney (Geological Consultant)
ADDRESS: Kanawha Valley Bldg., Charleston, WVA
TELEPHONE: 344-9864 (Office) 342-5494 (Res)

RESPONSIBLE AGENT:
NAME: Gene Haney (Geological Consultant)
ADDRESS: Kanawha Valley Bldg., Charleston, WVA
TELEPHONE: 344-9864 (Office) 342-5494 (Res)

ESTIMATED DEPTH OF COMPLETED WELL: 3300

ROTARY: X CABLE TOOLS

PROPOSED GEOLOGICAL FORMATION: Devonian Shale

TYPE OF WELL: OIL GAS COMB. X STORAGE DISPOSAL

RECYCLING WATER FLOOD OTHER

TENTATIVE CASING PROGRAM:

<table>
<thead>
<tr>
<th>CASING AND TUBING SIZE</th>
<th>USED FOR DRILLING</th>
<th>LEFT IN WELL</th>
<th>CEMENT FILL UP OR SACKS - CUBIC FT.</th>
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<tbody>
<tr>
<td>20 - 16</td>
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<td>13 - 10</td>
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<td>Liners</td>
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<td>Perf. Bottom</td>
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</table>

APPROXIMATE FRESH WATER DEPTHS: 25'-50' FEET

APPROXIMATE SALT WATER DEPTHS: 775' FEET

APPROXIMATE COAL DEPTHS: 775' FEET

IS COAL BEING MINED IN THE AREA? No

BY WHOM?

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, $100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We, Coal Company, have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

MINE ENGINEER

Official Title