

Minimum Error of Closure Less than 1 in 2000

Source of Elevation U.S.G.S. BM#165 RHP on Pickenpaw Run Road  
Elev. 980.00'

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

I, 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 rule and regulations of the oil and gas section of the mining laws of West Virginia

Signed: *L. Z. Shuck*  
Squares: N S E W

U.S. Energy Research and Development Administration  
 Address P.O. Box 880, Morgantown, W.Va. 26505  
 Farm Walter B. Smith  
 Tract \_\_\_\_\_ Acres 15 Lease No. \_\_\_\_\_  
 Smith Dallison ERDA Dev. 2  
 Well (Farm) No. \_\_\_\_\_ Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1019.57 SW  
 Quadrangle Glover Gap Mannington 15'  
 County Wetzel District Grant  
 Surveyor L. Z. SHUCK  
 Surveyor's Registration No. 4596  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date July 7, 1975 Scale 1" = 200'

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

WELL LOCATION MAP

FILE NO. WET-600  
DRILLING CANCELED

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000 latitude and longitude lines being represented by border lines as shown.

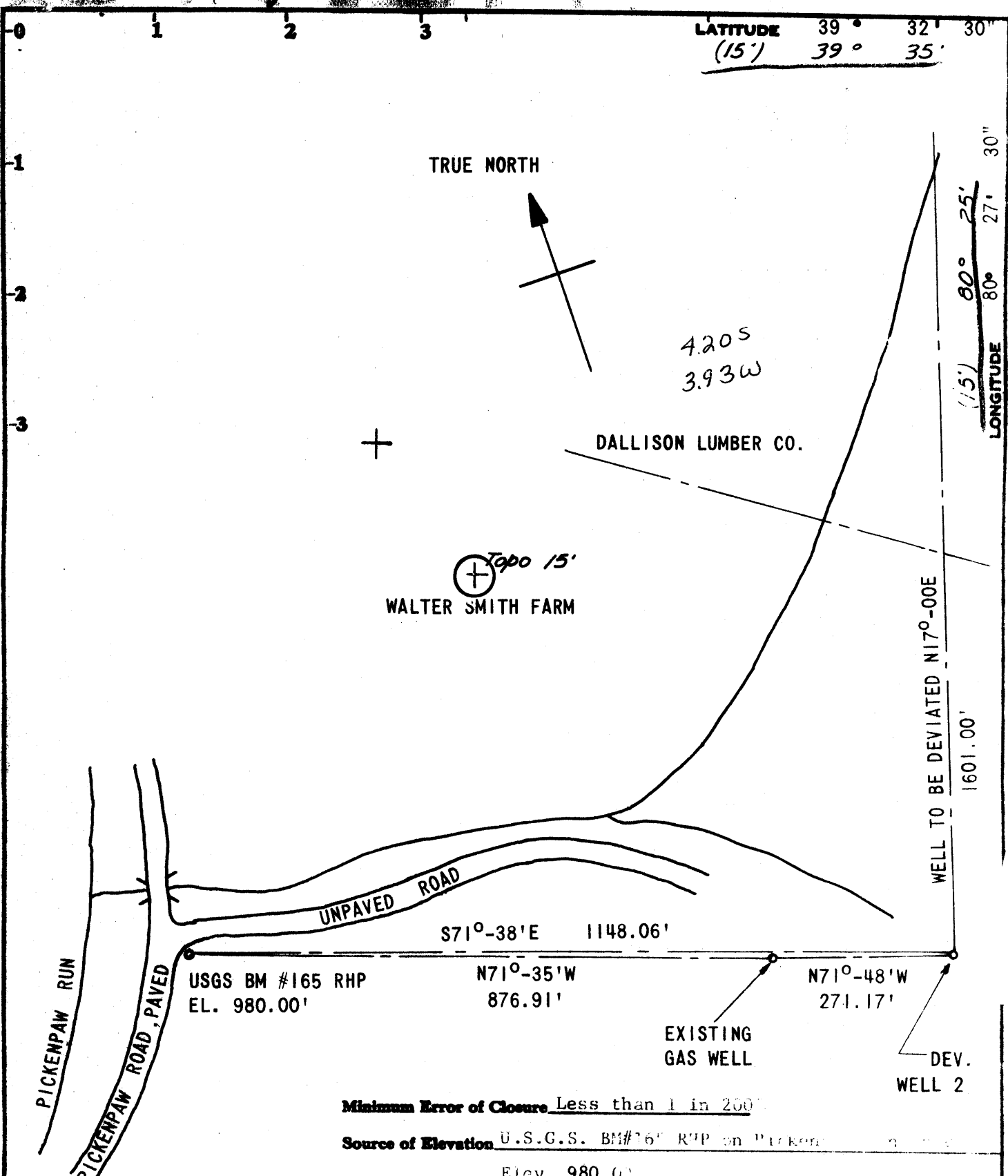
JAN 13 1978

— Denotes one inch spaces on border line of original tracing.

47-103

*Pittsburgh local-815*

LATITUDE 39° 32' 30"  
(15') 39° 35'



Minimum Error of Closure Less than 1 in 200'

Source of Elevation U.S.G.S. BM#165 RHP on Picken  
Elev. 980.00'

I, 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.

Signed: *L. Z. Shuck*  
Squares: N S E W

- Fracture
- New Location
- Drill Deeper
- Abandonment

Map No.

U.S. Energy Research and  
 Company Development Administration  
 Address P.O. Box 880, Morgantown, W. Va. 26505  
 Farm Walter B. Smith  
 Tract \_\_\_\_\_ Acres 15 Lease No. \_\_\_\_\_  
 Smith Dallison ERDA Dev. 2  
 Well (Farm) No. \_\_\_\_\_ Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1019.57 SW  
 Quadrangle 1/2 Glover Gap; Mannington 15'  
 County Wetzel District Grant  
 Surveyor L. Z. SHUCK  
 Surveyor's Registration No. 4596  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date July 17, 1977 Scale 1: = 200'

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

**WELL LOCATION MAP**  
 FILE NO. WET-600

+ Denotes location of well on United States Topographic Maps, scale 1 to 250,000 latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

47-103



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
JUL 8 1975  
OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE July 7, 1975

Surface Owner Mr. Walter B. Smith  
Address Smithfield, W. Va. 26437  
Mineral Owner Mr. & Mrs. Rex Smith  
Address Smithfield, W. Va. 26437  
Coal Owner Consolidation Coal Company  
Address P.O. Box 1632, Fairmont, W. Va. 26554  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

Company U.S. Energy Research & Development Admin  
Address P.O. Box 880, Morgantown, W. Va. 26502  
Farm Walter B. Smith Acres 15  
Location (waters) Pickenpaw Run  
Smith-Dallison-  
ERDA Dev. 2  
Well No. \_\_\_\_\_ Elevation 1019.57  
District Grant County Wetzel  
Quadrangle Mannington

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 11-7-75.

Robert Howard  
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Richard Morris  
PH: 354-1259 ADDRESS Charlottesville, Va. 22901

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for ~~oil and gas~~ research purposes title thereto, (or as the case may be) under cooperative agreement dated June 14, 1974 by Consol and CONOCO made to U.S. Dept. of Interior Bureau of Mines (now ERDA) and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in \_\_\_\_\_ County, Book \_\_\_\_\_ Page not yet recorded  
XXX NEW WELL \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ 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 \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

(Sign Name) J. Pasini III  
Well Operator J. Pasini III  
Morgantown Energy Research Center

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey Address  
P. O. Box 879 of  
Morgantown, W. Va. 26505 Well Operator  
AC 304-296-4461

Street  
Morgantown  
City or Town  
West Virginia 26505  
State

\*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.

No Bond Required

Wet-600 PERMIT NUMBER  
47-103

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

PROPOSED WORK ORDER TO Drill deviated well into Pittsburgh Coal  
DRILL DEEPEN FRACTURE-STIMULATE

DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT \_\_\_\_\_  
 NAME To be determined by bid NAME J. Pasini III  
 ADDRESS \_\_\_\_\_ ADDRESS P.O. Box 880, Morgantown, W. Va.  
 TELEPHONE \_\_\_\_\_ TELEPHONE 599-7103

ESTIMATED DEPTH OF COMPLETED WELL: 815 ROTARY  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Pittsburgh coal  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 Length of Well: 1,900 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER

TENTATIVE CASING PROGRAM: Underground Gasification Coal Research

| CASING AND TUBING SIZE | USED FOR DRILLING | LEFT IN WELL  | CEMENT FILL UP OR SACKS - CUBIC FT. |
|------------------------|-------------------|---------------|-------------------------------------|
| 20 - 16                |                   |               |                                     |
| 13 - 10                |                   |               |                                     |
| 9 - 5/8 <u>20'</u>     | <u>20'</u>        | <u>20'</u>    | <u>100 sacks thermal</u>            |
| 8 - 5/8                |                   |               | <u>350 sacks neat</u>               |
| 7                      |                   |               |                                     |
| 5 1/2 <u>1,550'</u>    | <u>1,550'</u>     | <u>1,550'</u> |                                     |
| 4 1/2                  |                   |               |                                     |
| 3                      |                   |               | Perf. Top                           |
| 2                      |                   |               | Perf. Bottom                        |
| Liners                 |                   |               | Perf. Top                           |
|                        |                   |               | Perf. Bottom                        |

APPROXIMATE FRESH WATER DEPTHS 40 FEET SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS 815  
 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 CONSOLIDATION Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the CONSOLIDATION 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.

Ray M. Hendrix  
 For Coal Company  
Eng. Ass. to Vice Pres.  
 General Mgr.