

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 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

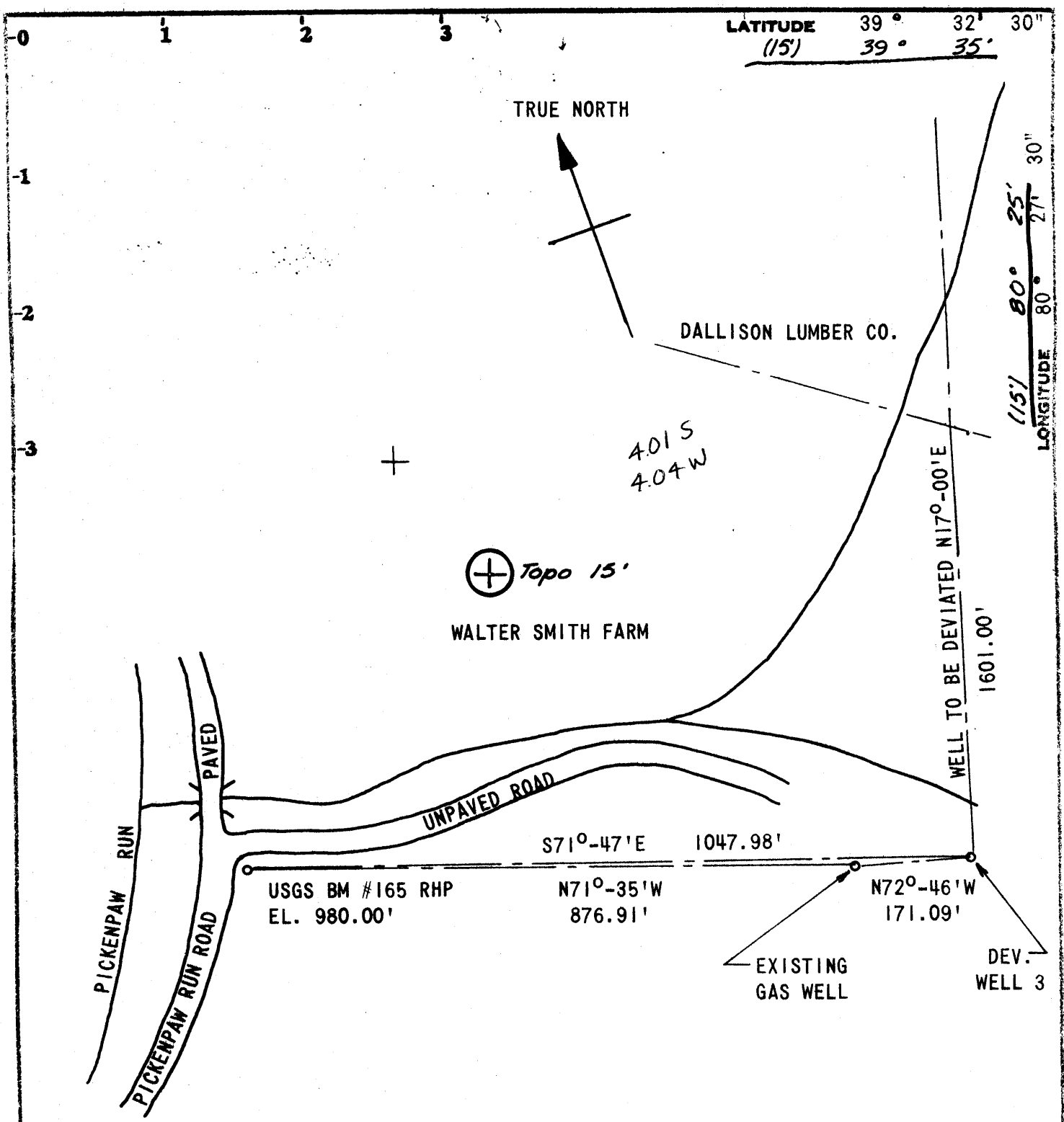
U.S. Energy Research Administration
 Company Development Administration
 Address P.O. Box 880, Morgantown, W.Va. 26505
 Farm Walter P. Smith & Dallison Lumber Co.
 Tract _____ Acres 15 Lease No. _____
Smith Dallison ERDA Dev. 3
 Well (Farm) No. _____ Serial No. _____
 Elevation (Spirit Level) 1915.13 SW
 Quadrangle Glover Gap Mannington 15'
 County Wetzel District Grant
 Surveyor L. Z. SHUCK
 Surveyor's Registration No. 4590
 File No. _____ Drawing No. _____
 Date August 29, 1975 Scale 1" = 200'

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

WELL LOCATION MAP
 FILE NO. WET-602
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 Coal



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

Map No.

U.S. Energy Research and
 Company Development Administration
 Address P.O. Box 980, Morgantown, W.Va. 26505
 Name Dallison Lumber Co.
 Tract 15 Acres 15 Lease No. Smith Dallison ERDA Dev. 3
 Well (Farm) No. Serial No.
 Elevation (Spirit Level) 1015.13 SW
 Quadrangle 7 1/2 Glover Gap; Mannington 15'
 County Wetzel District Grant
 Surveyor J. Z. SHUCK
 Surveyor's Registration No. 4596
 File No. Drawing No.
 Date 7/2, 1977 Scale 1" = 200'

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

WELL LOCATION MAP
 FILE NO. WET-602

+ 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.

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

47-103



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

SEP 2 - 1975

OIL & GAS
DEPARTMENT

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE August 29, 1975

Surface Owner Mr. Walter B. Smith
Address Smithfield, WV 26437
Mineral Owner Mr. & Mrs. Rex Smith
Address Smithfield, WV 26437
Coal Owner Consolidation Coal Co.
Address P.O. Box 1632, Fairmont, WV 26554
Coal Operator _____
Address _____

Company U.S. Energy Research & Dev. Adm.
Address P.O. Box 880, Morgantown, WV 26505
Farm Walter B. Smith Acres 15
Location (waters) Pickenpaw Run
Smith-Dallison-
Well No. ERDA Dev. 3 Elevation 1015.13
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 1-3-76.

Robert Todd
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Donald Connor
PH: 428-8172 ADDRESS Mineral Wells, W.Va. 26150

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for ~~research~~ research purposes under cooperative agreement June 14 1974 by Consol and title thereto, (or as the case may be) ~~xxxxxxx~~ CONOCO or lease dated U.S. Dept. of Interior made to Bureau of Mines (now ERDA) and recorded on the _____ day of _____ 19____, in _____ County, Book _____ Page not yet recorded

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

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

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

Address
of
Well Operator

Morgantown Energy Research Center
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.

Wet-602 PERMIT NUMBER
47403

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, WV _____
 TELEPHONE _____ TELEPHONE 304-599-7103 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 815 _____ ROTARY X _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Pittsburgh coal _____
 TYPE OF WELL: OIL _____ GAS _____ COMB. _____ STORAGE _____ DISPOSAL _____
 Length of well: 1,900 _____ RECYCLING _____ WATER FLOOD _____ OTHER X _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8 20'	20'	20'	100 sacks thermal
8 - 5/8			350 sacks neat
7			
5 1/2 1,550'	1,550'	1,550'	
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 Henderson

 For Coal Company
Engineering Assistant To Vice President

 Official Title