

A-1



RECEIVED

NOV 14 1980

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.

DATE October 24, 1980

Surface Owner Mr. Walter B. Smith  
Address Smithfield, WV 26437  
Mineral Owner Mr. and Mrs. Rex Smith  
Address Smithfield, WV 26437  
Coal Owner Consolidation Coal Co., Northern West Virginia Region  
Address P.O. Box 1314, Morgantown, WV 26505  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

Company U.S. Department of Energy  
Address P.O. Box 880, Morgantown, WV 26505  
Farm Walter B. Smith Acres 15  
Location (waters) Pickenpaw Run  
Well No. Smith-DOE-C-2 Elevation 1051.23  
District Grant County Wetzel  
Quadrangle Glover Gap (7.5')

**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 7-24-81.

Phil Tracy (758-4573)

*[Signature]*  
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for research purposes ~~research purposes~~ having fee title thereto, (or as the case may be) under cooperative agreement ~~grant or lease~~ dated 14 June 1974 by Consolidation Coal Co. made to The U.S. of America and recorded on the Fourth day of March 1977, in Wetzel County, Book #45 Page 173 Miscellaneous  
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) \_\_\_\_\_

*[Signature]*  
Well Operator

Address  
of  
Well Operator

Morgantown Energy Technology Center  
Street  
P.O. Box 880, Morgantown  
City or Town  
West Virginia 26505 **09/08/2023**  
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.

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

PROPOSED WORK ORDER TO xxx DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:  
 NAME Henry Y. Hall Drilling and Dozer Services NAME J. W. Martin  
 ADDRESS Glendon, WV 26626 ADDRESS P.O. Box 880, Morgantown, WV 26505  
 TELEPHONE 304/364-5652 TELEPHONE 304/599-7447  
 ESTIMATED DEPTH OF COMPLETED WELL: 915 feet ROTARY x CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Pittsburgh Coal  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 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			
8 - 5/8			
<u>7</u>	200 feet	200 feet	Surface to 200 feet
5 1/2			
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 900 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 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.

09/08/2023

Donald W. Bonn  
For Coal Company  
Senior Mining Engineer  
Official Title

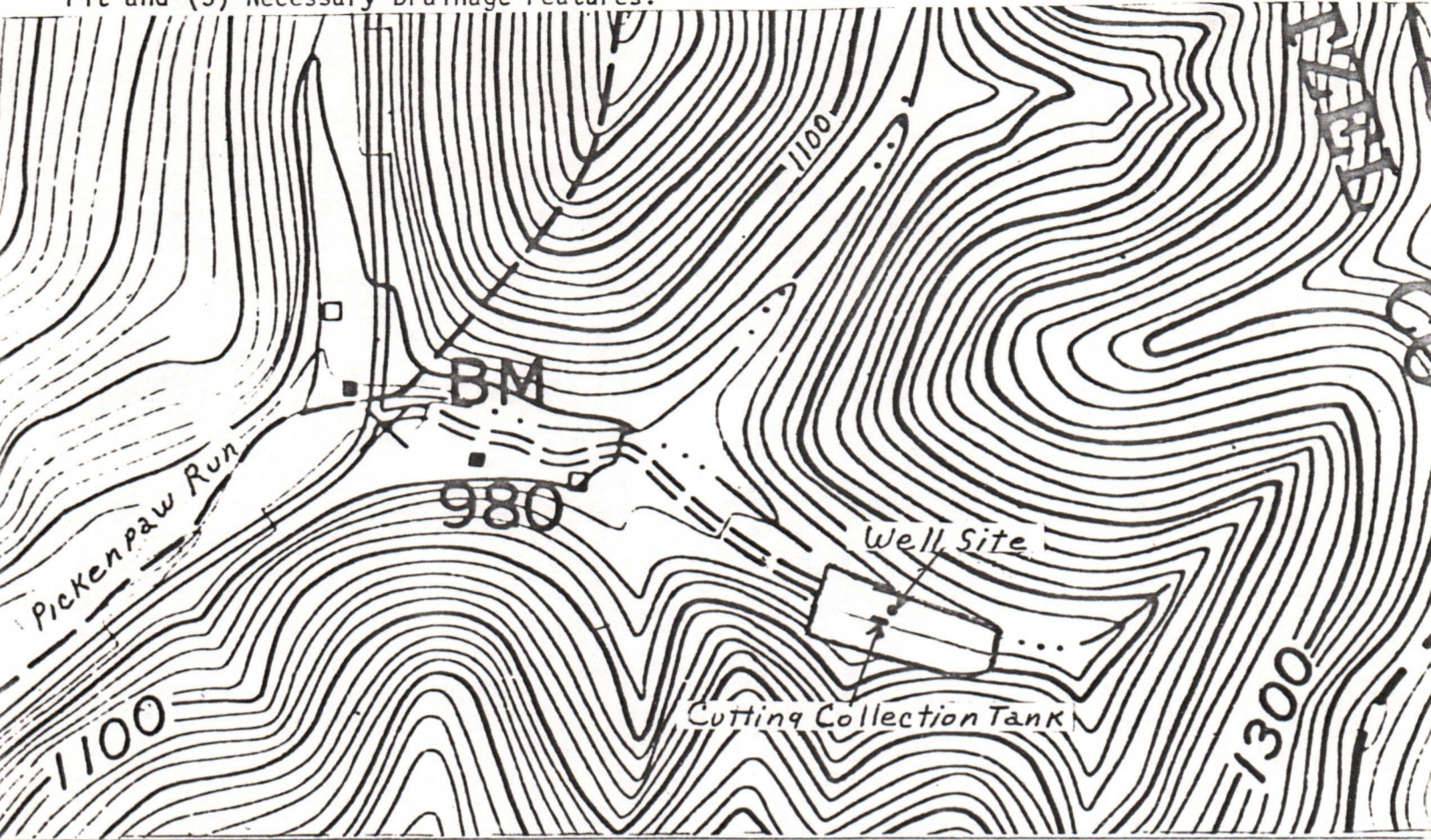
RECLAMATION PLAN

WELL NO. C-2

QUADRANGLE Glover Gap (7.5')

SCALE About 1" 500'

Locate and show (1) Well Location (2) Access Road (3) Well Site (4) Drilling Pit and (5) Necessary Drainage Features.



COMPANY NAME U.S. Department of Energy PERMIT NO. \_\_\_\_\_  
 FARM Walter B. Smith DISTRICT Grant COUNTY Wetzel

STATEMENT OF RECLAMATION PLAN:

Not to scale; drawing of all roads, locations, ditches, drains, pits, silt traps, etc.

The proposed well, C-2, is located in the area designated below:

The area in which the U.S. Government, Continental Oil Co., and Consol Coal Co is conducting underground coal gasification research is outlined on the enlarged section of the Glover Gap Quadrangle. It is located near headwaters of Pickenpaw Run. The area varies from 55 to 75 feet wide and is about 500 feet long. This area is bounded on the north by a small stream and has been ditched for drainage along the south boundary at the base

of a cut bank. The entire area has been covered with limestone. The cut bank and stream banks have been seeded and are now grass covered. The pit for the well will be a portable steel tank. When the well is completed, the tank and cuttings will be removed, and the area reclaimed, and limestone replaced wherever disturbed by the drilling operation. The grass covered banks should not be disturbed, but if so, they will be reseeded.

RECEIVED

NOV 14 1980

OIL & GAS DIVISION  
DEPT. OF MINES

This plan was observed and agreed upon between the well operator, contractor, and the district oil and gas inspector.

Phil Tracy

09/08/2023

Please indicate (XX) "YES" if the district inspector was present. contacted.

Submitted by ABitler Title Director, METC Date October 29, 1980

A-5

Date November 20 1980

# 288

Well No. Smith-DOE-C2

API No. 47 - 103 - 1204  
State County Permit

STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS

Company Name U.S. Department of Energy Designated Agent J. W. Martin  
Address Morgantown, WV 26505 Address Morgantown, WV 26505  
Telephone (304)599-7447 Telephone (304)599-7447  
Landowner Mr. Walter B. Smith Soil Cons. District Upper Ohio

Revegetation to be carried out by U.S. Department of Energy (Agent)

This plan has been reviewed by Upper Ohio SCD. All corrections and additions become a part of this plan. 11/21/80 (Date) Renneth R. Plasse (SCD Agent)

Access Road		Location	
Structure	<u>N/A</u> (A)	Structure	<u>N/A</u> (1)
Spacing	_____	Material	_____
Page Ref. Manual	_____	Page Ref. Manual	_____
Structure	_____ (B)	Structure	_____ (2)
Spacing	_____	Material	_____
Page Ref. Manual	_____	Page Ref. Manual	_____
Structure	_____ (C)	Structure	_____ (3)
Spacing	_____	Material	_____
Page Ref. Manual	_____	Page Ref. Manual	_____

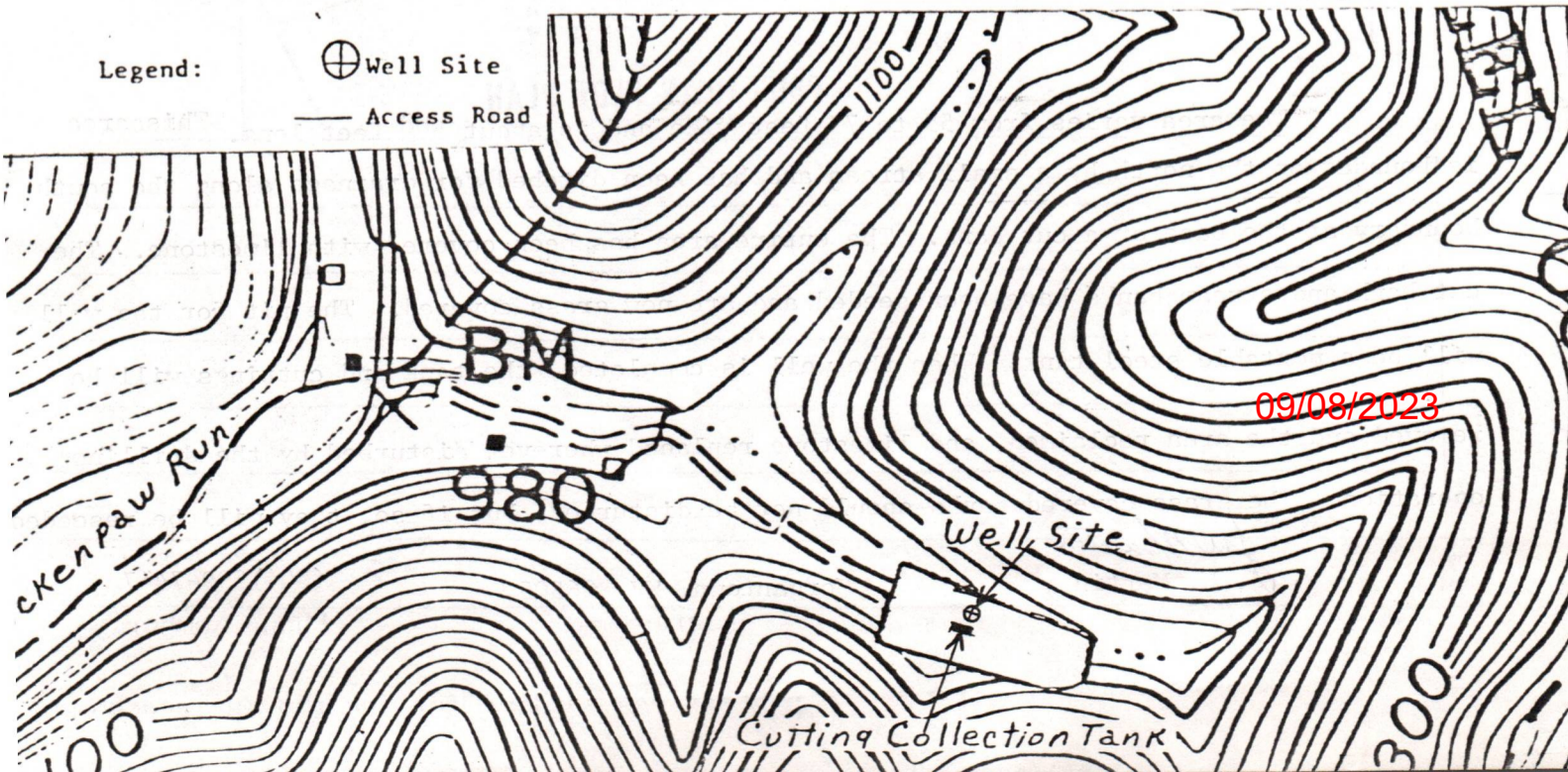
All structures should be inspected regularly and repaired if necessary.

Revegetation

Treatment Area I		Treatment Area II	
Lime	_____ Tons/acre	Lime	<u>N/A</u> Tons/Acre
or correct to pH	<u>6.5</u>	or correct to pH	_____
Fertilizer	<u>500</u> lbs/acre	Fertilizer	_____ lbs/acre
	(10-20-20 or equivalent)		(10-20-20 or equivalent)
Mulch	<u>2 hay</u> Tons/Acre	Mulch	_____ Tons/Acre
Seed*	<u>Ky. 31 fescue 35</u> lbs/acre	Seed*	_____ lbs/acre
	<u>Red Top 5</u> lbs/acre		_____ lbs/acre
	_____ lbs/acre		_____ lbs/acre

\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

Attach or photocopy section of involved Topographic map. Quadrangle Glover Gap

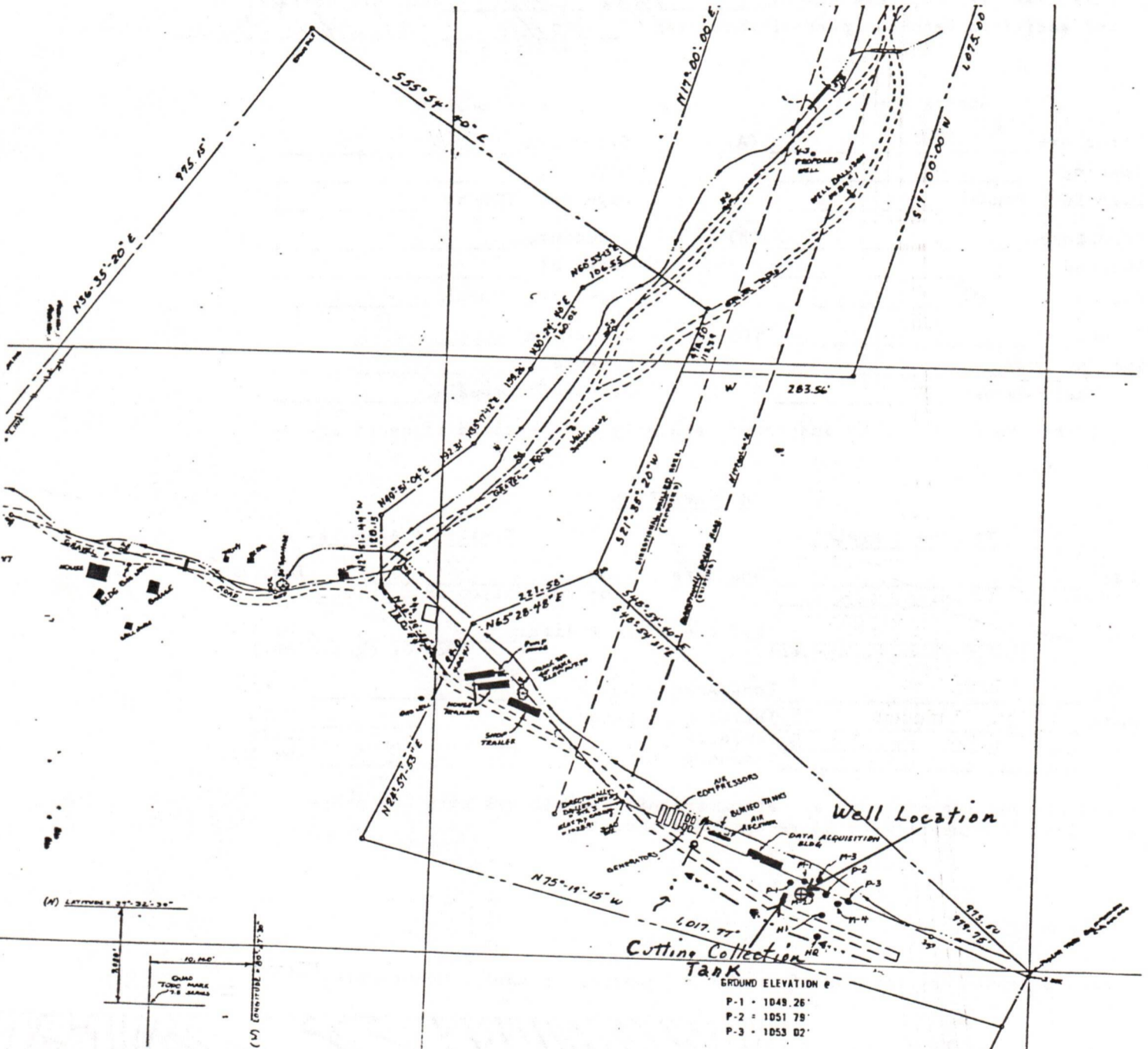


A-6

Well Site Plan

- Legend:
- Property Boundary
  - Road
  - Existing Fence
  - Planned Fence
  - Stream
  - Open Ditch
  - Diversion
  - Spring
  - Wet Spot
  - Building
  - Drain Pipe
  - Waterway

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with first part of this plan. Include all natural drainage.



PRICETOWN PLOT PLAN

Comments: The area varies from 55 to 75 feet wide and is about 500 feet long. This area is bounded on the north by a small stream and has been ditched for drainage along the south boundary at the base of a cut bank. The entire area has been covered with limestone. The cut bank and stream banks have been seeded and are now grass covered. The pit for the well will be a portable steel tank. When the well is completed, the tank and cuttings will be removed and the area reclaimed, and limestone replaced wherever disturbed by the drilling operation. The grass covered banks should not be disturbed, but if so, they will be reseeded

09/08/2023

Signature: *J.W. Martin* J. W. Martin Morgantown, WV 26505 (304) 599-7447  
 Address Phone Number

...landowners cooperation to protect new seeding for one growing season.



A-10

Department of Energy  
Morgantown Energy Technology Center  
P.O. Box 880  
Collins Ferry Road  
Morgantown, West Virginia 26505

May 22, 1981

Mr. Thomas J. Huzzey  
Director, Oil and Gas Division  
West Virginia Department of Mines  
1615 Washington Street East  
Charleston, West Virginia 25311

Dear Mr. Huzzey:

Copies are enclosed of "Well Records" for four core wells (C-1, C-3, C-4, and C-5) drilled at the Underground Coal Gasification (UCG) site at Pricetown, West Virginia. The original intent was to drill a fifth well (C-2), but the well was not drilled due to lack of funds.

Wet-1204

Also enclosed are copies of an "Affidavit of Plugging and Filling Well" for three core wells (C-1, C-3, and C-5) and P/I-2. This well, P/I-2, was drilled several years ago and was plugged due to a collar rupture at a depth of 205 feet. Well C-4 was cased to the coal seam and is being used for monitoring the water quality and migration in the area of the coal seam.

If I can be of any further assistance, please call me at (304) 599-7161.

Wet-1206

Sincerely,

A J Liberatore

A. J. Liberatore  
Project Manager  
Gasification Projects Branch  
Coal Projects Management Division

:AJL:td:416hi13

Enclosures

RECEIVED  
MAY 26 1981

OIL & GAS DIVISION  
DEPT. OF MINES  
09/08/2023

B-8



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

RECEIVED

NOV 14 1980

OIL & GAS DIVISION  
DEPT. OF MINES  
NOTICE OF INTENTION TO PLUG AND ABANDON WELL  
(REQUIRED BY SECTION 9, ARTICLE 4, CHAPTER 22 OF THE CODE)

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

_____	U.S. Department of Energy
Coal Operator	Name of Well Operator
_____	P.O. Box 880, Morgantown, WV 26505
Address	Complete Address
Consolidation Coal Company	October 24, 1980
_____	Date
Coal Owner	WELL TO BE ABANDONED
Northern West Virginia Region	Grant
P.O. Box 1314, Morgantown, WV 26505	District
Address	_____
Mr. Walter B. Smith	Wetzel
Lease or Property Owner	County
_____	Well No. Smith-DOE-C-2
Smithfield, WV 26437	Walter B. Smith
Address	Farm
Phil Tracy	758-4573
Inspector	Telephone

TO BE NOTIFIED 24 HOURS IN ADVANCE OF PLUGGING OPERATIONS

Gentlemen:—

The undersigned well operator is about to abandon the above described well and will commence on or about November 10, 1980

the work of plugging and abandoning said well on the date inspector is notified (which date shall not be less than five days after the day on which this notice so mailed is received, or in due course should be received by the Department of Mines).

This notice is given you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not represented the undersigned will proceed on that date, or shortly thereafter, to plug and fill said well in the manner required by Section 10, Article 4, Chapter 22 of the Code and given in detail on the reverse side of this notice, in "Work Order."

This notice is being mailed by registered mail to each of you at the above addresses on the above date.

Very truly yours,

Well Operator

NOTE: Upon the abandonment of any well drilled prior to June 1, 1929, a plat prepared by a registered engineer, shall be filed with THREE COPIES OF APPLICATION, (OG-9) AND "WORK ORDER" AND TWO COPIES OF THE WELL RECORD, (OG-10). The map must show the district and county in which the tract of land is located, the name and acreage of same, the name or names of the owners and names of adjacent tracts and the location of the well to be abandoned, determined by survey with the courses and distances of such well from two permanent points or landmarks on said tract, in compliance with Rule 5 of the Rules and Regulations.

NOTE: In case plugging is not commenced within four months from the date of permit, same shall expire and be of no further force or effect.

NOTE: PERMIT IS NON TRANSFERABLE.

47-103-1204-P

Permit Number

AFFIDAVIT, FORM OG-8, MANNER WELL PLUGGED MUST BE SUBMITTED TO OBTAIN RELEASE OF WELL UNDER BOND.

09/08/2023

B-9

**PROPOSED MANNER OF PLUGGING AND FILLING WELL**

(REQUIRED BY RULES AND REGULATIONS)

**WEST VIRGINIA DEPARTMENT OF MINES**

**OIL AND GAS DIVISION**

**WORK ORDER**

Well to be plugged and filled as follows:

Neat Cement - 900 feet (Pittsburgh Coal) to surface

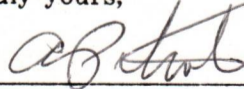
To the Department of Mines  
Coal Owner or Operator,  
Lease or Property Owner.

**IF PARTIAL PLUGGING  
PLEASE SUBMIT REVISED WELL RECORD  
WHEN WORK IS COMPLETED.**

Gentlemen:

This "work order" is submitted for your approval and concurrence and unless notified of your disapproval or non-concurrence, the undersigned will proceed with the plugging and filling of said well in the above described manner on the date inspector is notified after permit is issued.

Very truly yours,



Well Operator

No objections have been filed by the coal owner or coal operator, or any available adjacent lease or property owners or interposed by the Department of Mines to the manner herein described for the plugging and filling of the well above mentioned. Therefore, the same is hereby approved this

24th day of Nov., 1980.

DEPARTMENT OF MINES **09/08/2023**  
Oil and Gas Division

By: 

NOTE: This "work order" shall be filed in triplicate, one copy for the files of the Department of Mines; one to be approved or corrected and returned to the well operator as his authority for plugging said well; and one for the well inspector.



B-11

OG-11

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

RECEIVED

MAR 15 1982

INSPECTOR'S WELL REPORT OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

Permit No. 103-1204

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>U.S. D.O.E.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Morgantown W. Va.</u>	Size			
Farm <u>Walter B Smith</u>	16			Kind of Packer _____
Well No. <u>C-2</u>	13			
District <u>Grant</u> County <u>Wetzel</u>	10			Size of _____
Drilling commenced _____	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 5/8			
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks: on site Insp Did not Reveal that a well had been Drilled on this location

3-12-82  
DATE

R.A. Lowther 512  
09/08/2023  
DISTRICT WELL INSPECTOR



B-12



State of West Virginia

Department of Mines  
Oil and Gas Division

Charleston 25305

WALTER N. MILLER  
DIRECTOR

THOMAS E. HUZZEY  
DEPUTY DIRECTOR

April 2, 1982

U. S. Department of Energy  
P. O. Box 880  
Morgantown, W. V. 26505

IN RE: PERMIT NO. WET-1204  
FARM Walter B. Smith  
WELL NO. DOE-C-2  
DISTRICT Grant  
COUNTY Wetzel

Gentlemen:

The final inspection report for the above described well has been received in this office. Only the column checked below applies.

XXXXX The well designated by the above permit number has been released under your Blanket Bond. (Permit Cancelled - Never Drilled.)

         Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on your records.

         Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above captioned well will remain under bond coverage for life of the well.

Very truly yours,

Thomas E. Huzzey

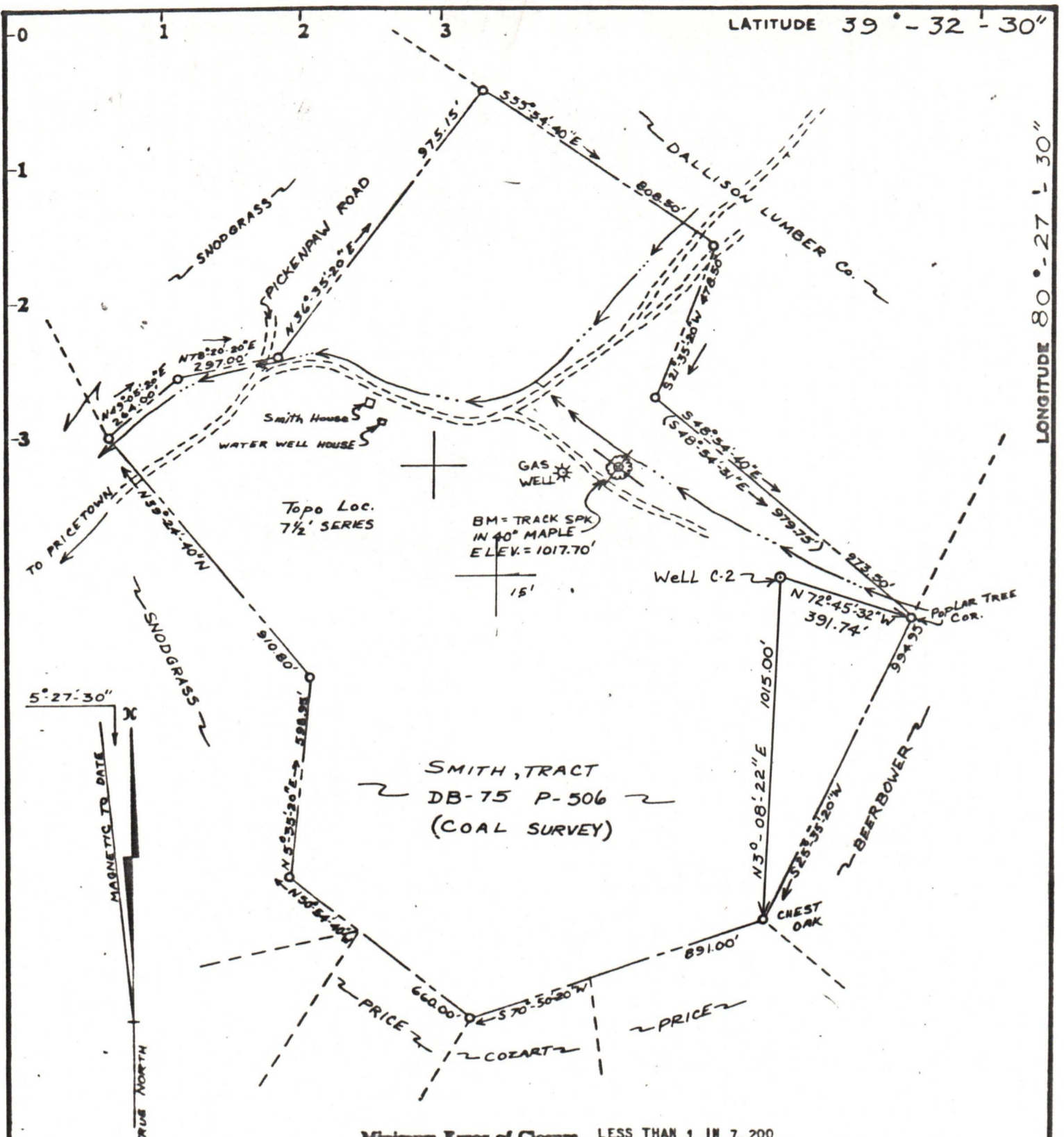
TEH/r1

du 11/17/80

39° 35'

LATITUDE 39° - 32' - 30"

LONGITUDE 80° - 27' - 30"



Minimum Error of Closure LESS THAN 1 IN 7,200

Source of Elevation U.S.G.S. BM #165 RHP ON PICKENPAW RUN ROAD

ELEVATION = 980 (979.89)

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: *C.D. Locke*  
Squares N S E W

- Fracture
- New Location
- Drill Deeper
- Abandonment

Map No.

Company	U.S. DEPARTMENT OF ENERGY
Address	P.O. BOX 880, MORGANTOWN, W.V. 26505
Farm	WALTER B. SMITH
Tract	Acres 15 Lease No.
Well (Farm) No.	C-2 Serial No.
Elevation (Spirit Level)	1051.23
Quadrangle	GLOVER GAP, W.V. (7.5') MA 15'
County	WETZEL District GRANT
Surveyor	C.D. LOCKE
Surveyor's Registration No.	6981 O. & G.E.
File No.	Drawing No.
Date	OCTOBER 24, 1980 Scale 1" = 400'

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

### WELL LOCATION MAP

FILE NO. 103-1209/08/2023

*Cancelled*

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

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