



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

NOV 14 1980

Oil and Gas Division
OIL & GAS DIVISION
DEPT. OF MINES
OIL AND GAS WELL PERMIT APPLICATION

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

DATE October 24, 1980
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-1 Elevation 1049.60
District Grant County Wetzel
Quadrangle Glover Gap (7.5')

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, P.O. Box 1314
Address Morgantown, WV 26505
Coal Operator _____
Address _____

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.

Phillip L. Tracy
Rt. 23 - Alma, W.Va. 26320
PH: 758-4573

Phillip L. Tracy
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land ~~for coal and gas~~ ^{research purposes} having fee title thereto, (or as the case may be) under ~~grant or lease~~ ^{cooperative agreement} dated 14 June 19 74 by Consolidation Coal and Gas Co. made to The U.S. of America and recorded on the fourth day of March 19 77, in Wetzel County, Book Miscellaneous #45 Page 173

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) *Phillip L. Tracy*
Well Operator

Address
of
Well Operator

Morgantown Energy Technology Center
Street
P.O. Box 880, Morgantown
City or Town
West Virginia 26505
State

09/08/2023

*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.

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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 ft. 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
4 1/2" casing with a formation packer collar to be set at about 885 feet with a 25 foot slotted tail pipe run below F.P. collar.			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 D. Bourn
 For Coal Company
Senior Mining Engineer
 Official Title

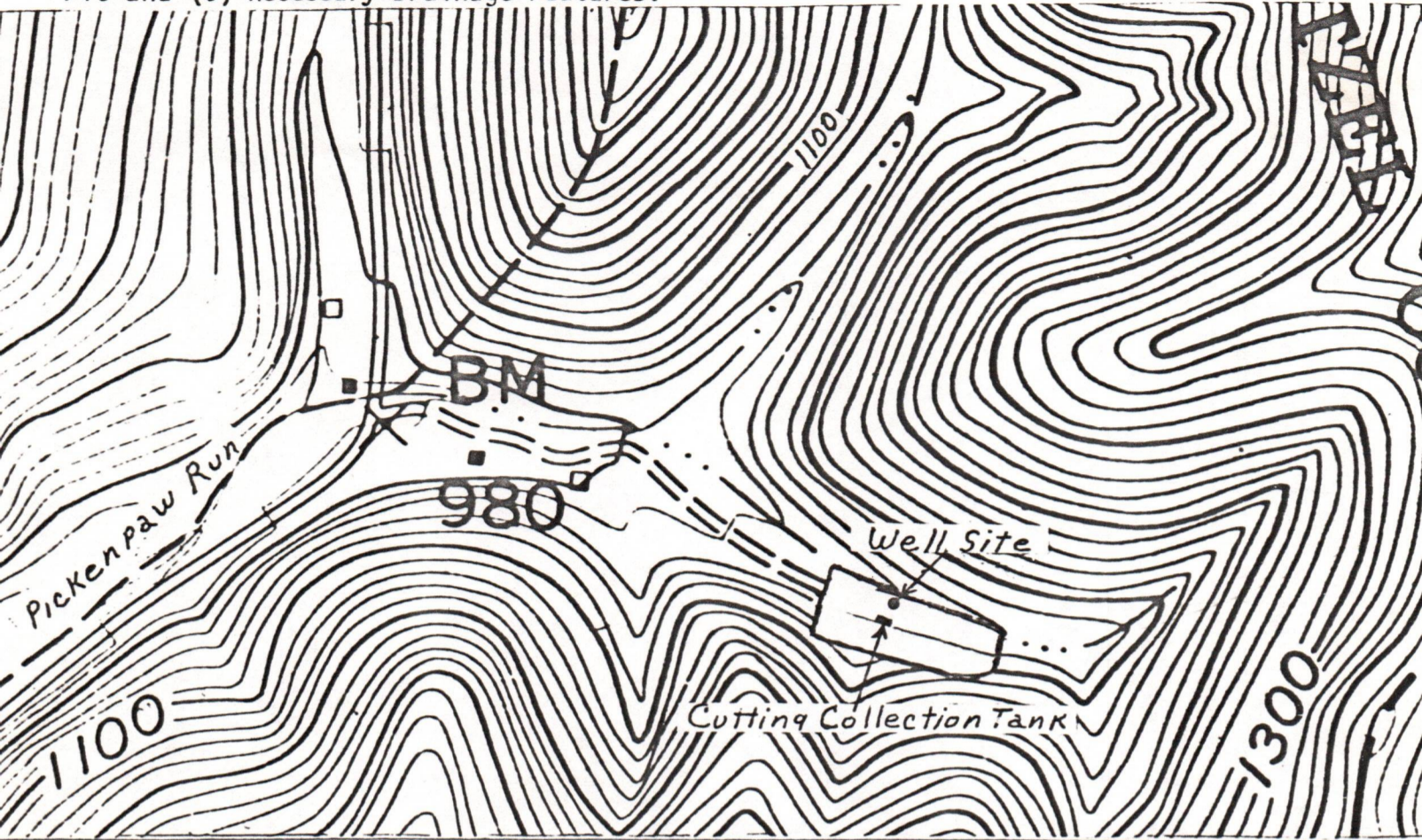
RECLAMATION PLAN

WELL NO. C-1

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-1, 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.

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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 (X) "YES" if the district inspector was present. contacted.

Submitted by ABitroh

Title Director, METC

Date October 29, 1980

Ar 5

Date November 20 1980
 Well No. Smith-DOE-C1
 API No. 47 - 103 - 1203
 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 Kenneth J. Mason
 (Date) (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

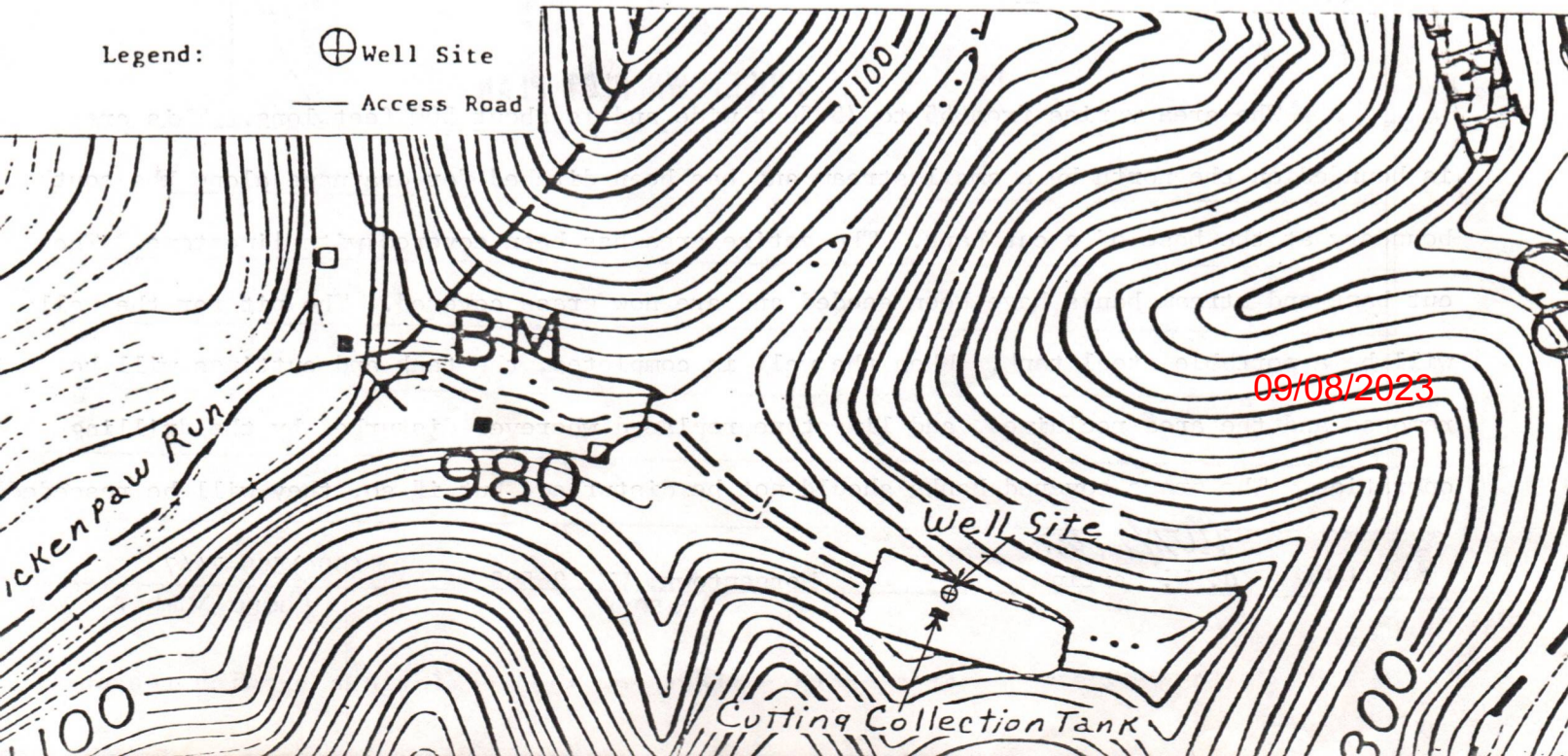
Treatment Area I		Treatment Area II	
Lime	_____ Tons/acre	Lime	<u>N/A</u> Tons/Acre
or correct to pH	<u>6.5</u>	or correct to pH	_____
Fertilizer	<u>500</u> lbs/acre	Fertilizer	_____ lbs/acre
	(10-20-20 or equivalent)		(10-20-20 or equivalent)
Mulch	<u>2 hay</u> Tons/Acre	Mulch	_____ Tons/Acre
Seed*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

Legend:

- ⊕ Well Site
- Access Road

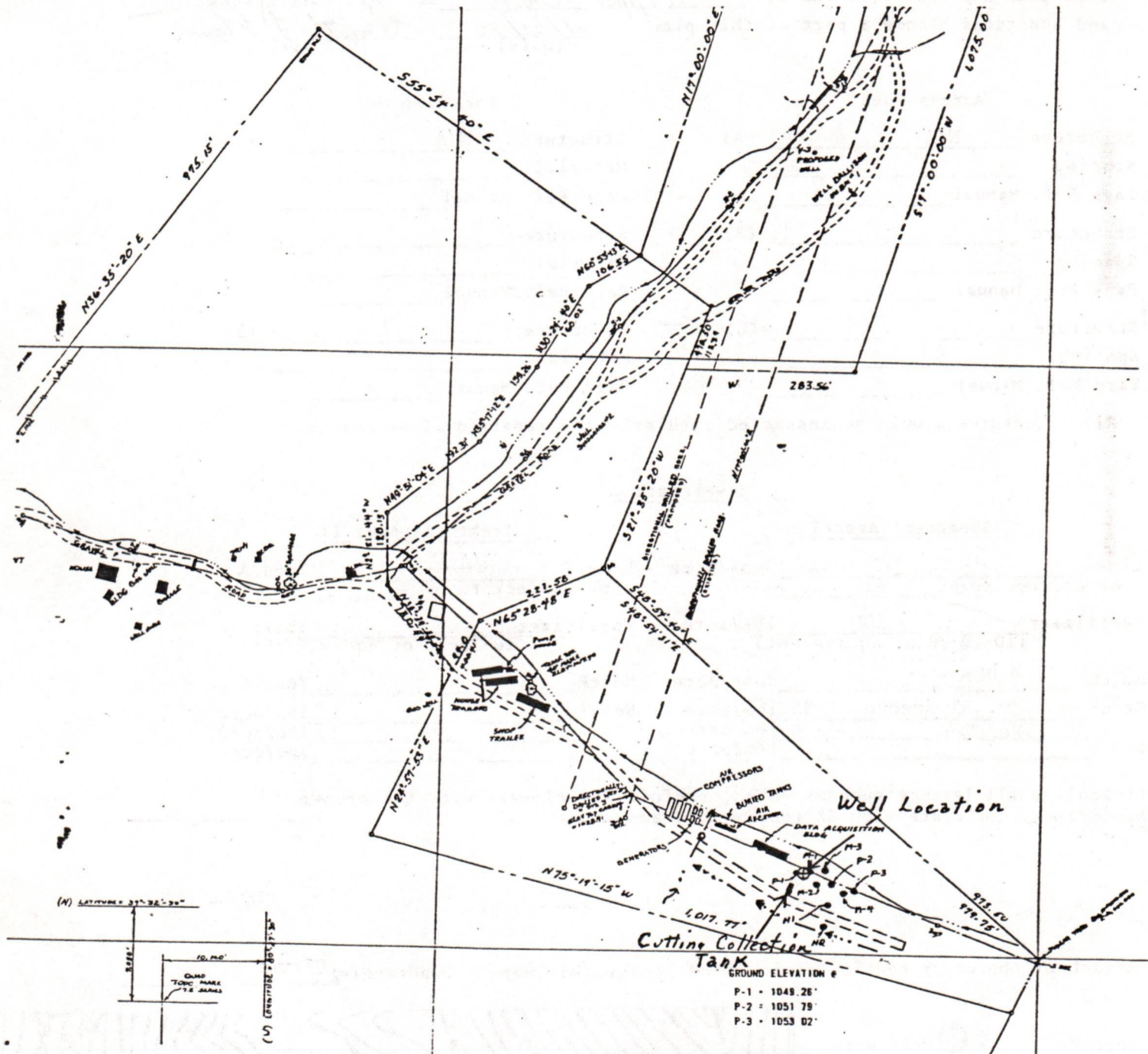


Well Site Plan

A 6

- Legend:
- Property Boundry
 - 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
Address

(304) 599-7447
Phone Number

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

A-10

Monsanto

MOUND FACILITY
Operated for the United States
Department of Energy

November 10, 1980

Mr. Henry Y. Hall
Drilling & Dozer Service
Glendon, West Virginia 26626

Dear Henry,

Enclosed are the Oil and Gas Well Permit Applications for the core well drilling at the Pricetown, West Virginia, UCG Test Site. The originals, four copies of each, and a check for \$500.00 must be submitted to the State of West Virginia, Department of Mines, Oil and Gas Division at 1615 Washington Street East in Charleston, West Virginia. - Mr. Fred Burdette, Supervisor of Oil and Gas Inspectors, has been apprised that the permit applications are forthcoming and, therefore, the permits should be submitted through him.

You have our appreciation for facilitating this effort.

Very truly yours,



R. E. Zielinski
Fossil Energy Programs Manager

REZ:tjl

Enclosures

Dept
348-2057

1615 Washington St. East

A-11



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

RECEIVED
JEM
NOV 24 1980
W. VA. OIL & GAS
CONSERVATION COMMISSION

November 20, 1980

Wet-1203

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:

The information concerning the five well permit applications for our Pricetown, Wetzel County, West Virginia Underground Coal Gasification Test Site that you provided me during our November 18, 1980 telephone conversation was very appreciated. The proper reclamation forms have been filled out and forwarded to Mr. K. Mason of the Upper Ohio Soil Conservation District. Mr. Mason has informed me that our reclamation plans will be given priority consideration since our drilling crew is waiting to move on site and that he will forward the signed copies to your office as rapidly as possible.

It is my understanding from our earlier conversation that your office is in receipt of our previously submitted well permit applications and the appropriate well permit fees. It is also my understanding that no bond will be required for the wells since the federal government has no mechanism to provide funds for such bonds and since the requirement for bonding was waived for the 12 wells drilled previously at the test site.

We request your early consideration of our well permit applications with notification to my office as soon as possible. Should you require additional information, please contact me at (304)599-7447.

Sincerely,

J. W. Martin
Gasification Projects Branch
CPM Division

JWM:nm

09/08/2023

B-1



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

- Rotary
- Spudder
- Cable Tools
- Storage

103-1203

WELL RECORD

Oil or Gas Well Core
(KIND)

Permit No. 471031203

Company U.S. DOE, Morgantown Energy Technology Ctr
 Address Morgantown, West Virginia 26505
 Farm Walter Smith Acres _____
 Location (waters) _____
 Well No. C-1 Elev. _____
 District Grant County Wetzel
 The surface of tract is owned in fee by Walter Smith
 Address Pricetown, WV
 Mineral rights are owned by Consolidated Coal
 Address _____
 Drilling commenced 12-8-80
 Drilling completed 12-11-80
 Date Shot _____ From _____ To _____
 With _____
 Open Flow _____ /10ths Water in _____ Inch
 _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED (DETAILS) _____
 WELL FRACTURED (DETAILS) _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	20'		Size of
8 1/4 7"	200'	200'	Depth set
6 3/4			
5 3/16			
4 1/2			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.
 CASING CEMENTED 7" SIZE 200 No. Ft. 12-8-80 Date
 Amount of cement used (bags) 50
 Name of Service Co. Halliburton
 COAL WAS ENCOUNTERED AT 395 FEET 48 INCHES
472 FEET 24 INCHES 525 FEET 36 INCHES
793 FEET 36 INCHES 901 FEET 84 INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____
 ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
 Fresh Water _____ Feet _____ Salt Water _____ Feet _____
 Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
soil			0	10			
shale			10	65			
sandstone			65	70			
shale			70	105			
sandstone			105	109			
shale			109	147			
sandstone			147	154			
siltstone-shale			154	200			
siltstone, calcareous			200	212			
siltstone			212	218			
shale			218	224			
siltstone-shale			224	250			
shale & limestone			250	360			
silty sandstone			360	366			
shale			366	395			
coal			395	399			
shale-siltstone			399	472			
coal			472	474			
shale			474	513			
sandstone			513	525			
coal			525	528			
shale-limestone			528	793			
coal			793	796			
shale-limestone			796	901			
coal			901	908			
shale			908	926			

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 MAY 26 1981
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 DEPT. OF MINES

09/08/2023

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks

Date 5-18 ~~09/08/2023~~

APPROVED A. J. Liberatore Owner

By Project Manager (UGG)
(Title)

B-10

FORM 06-8

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER
ADDRESS
Consolidation Coal Company
COAL OPERATOR OR OWNER
Northern West Virginia Region
P. O. Box 1314, Morgantown, W.V.
ADDRESS
Mr. Walter B. Smith
LEASE OR PROPERTY OWNER
Smithfield, W. V. 26437
ADDRESS

U. S. Dept. of Energy
NAME OF WELL OPERATOR
P. O. Box 880, Morgantown, W.V.
COMPLETE ADDRESS
January 30 19 81
WELL AND LOCATION
Grant District
Wetzel County
Well No. 3-1
Walter B. Smith Farm

STATE INSPECTOR SUPERVISING PLUGGING..... Phil Tracy

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wetzel } ss:

Monsanto Research Corp. and Henry Y. Hall Drilling
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by U. S. Dept. of Energy, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 30 th day of January, 1981, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSG PULLED	CSG LEFT IN
0-792	Portland cement (Class A)	Mechanical bridge plug set at 792'		200'
<i>No application to plug</i>				
RECEIVED MAY 26 1981				
OIL & GAS DIVISION DEPT. OF MINES				
COAL SEAMS (NAME)	DESCRIPTION OF MONUMENT			
(NAME)				
(NAME)				
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 30 th day of January, 19 81.

And further deponents saith not.

Henry Y. Hall

Sworn to and subscribed before me this _____ day of _____, 1981.

09/08/2023

My commission expires: _____

Notary Public.
Permit No. WET-026 P

103-1203-P

STATE OF TEXAS
COUNTY OF DALLAS

DEED

THIS DEED WAS PREPARED BY THE SIGNED PARTIES AND IS NOT SUBJECT TO THE REVIEW OF THE COUNTY CLERK.

THE PARTIES HEREBY AGREE TO WAIVE THE REVIEW OF THE COUNTY CLERK AND TO ACCEPT THE DEED AS PREPARED BY THEM.

IN WITNESS WHEREOF, THE PARTIES HAVE HEREIN SET THEIR HANDS AND AFFIXED THEIR SIGNS AND SEALS.

DEED

09/08/2023

10-1003-6

B-11

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

RECEIVED

MAR 15 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 103-1203 -P

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>Walton Smith</u>	16			Kind of Packer
Well No. <u>C one</u>	13			
District <u>Grant</u> County <u>Wetzel</u>	10			Size of
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set
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:

Final Inspection accepted

3-12-82

DATE

R.A. Lowther 09/08/2023 312

DISTRICT WELL INSPECTOR

B-12



State of West Virginia

Department of Mines
Oil and Gas Division

Charleston 25305

THOMAS E. HUZZEY
DEPUTY DIRECTOR

WALTER N. MILLER
DIRECTOR

April 1, 1982

U. S. Dept. of Energy
P. O. Box 880
Morgantown, W. Va. 26505

IN RE: PERMIT NO. WET-1203-P
FARM Walter B. Smith
WELL NO. C-1
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.

XXXXXX The well designated by the above permit number has been released under your Blanket Bond.

 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