



Well No. 603  
Farm SULLIVAN  
API # 47 - 087 - 3520  
Date November 23, 1981

STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil \_\_\_ / Gas X /  
(If "Gas", Production X / Underground storage \_\_\_ / Deep \_\_\_ / Shallow X /

LOCATION: Elevation: 792.19 Watershed: Slab Fork and Rush Creek  
District: Smithfield County: Roane Quadrangle: Looneyville (Walton)

STERLING DRILLING and PRODUCTION CO., INC.  
WELL OPERATOR DESIGNATED AGENT Charlie E. Moore  
Address 360 Madison Ave., Fifth Floor Address Rt. 1 Box 30  
New York, New York 10017 Duck, West Virginia

OIL AND GAS ROYALTY OWNER Robert Z. Sullivan COAL OPERATOR Unoperated  
Address 571 Slab Fork Rd. Address \_\_\_\_\_  
Spencer, W.V. 25276

ACREAGE 100 COAL OWNER(S) WITH DECLARATION ON RECORD:  
SURFACE OWNER Robert Z. Sullivan NAME Unknown  
Address Same Address \_\_\_\_\_

ACREAGE 100 NAME \_\_\_\_\_  
FIELD SALE (IF MADE) TO: Address \_\_\_\_\_

NAME \_\_\_\_\_ COAL LESSEE WITH DECLARATION ON RECORD:  
Address \_\_\_\_\_ NAME \_\_\_\_\_  
Address \_\_\_\_\_

OIL AND GAS INSPECTOR TO BE NOTIFIED:  
NAME Richard Morris  
Address P.O. Box 372  
Grantsville, W.V. 26147  
Telephone 354 - 7259

RECEIVED  
DEC 4 1981  
OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_ / lease X / other contract \_\_\_ / dated July 10, 1981, to the undersigned well operator from Robert Z. Sullivan.

(If said deed, lease, or other contract has been recorded:) LEASE # 095 - 039

Recorded on Aug. 26, 1981, in the office of the Clerk of County Commission of Roane County, West Virginia, in 159 Book at page 430. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill Deeper \_\_\_ / Redrill \_\_\_ / Fracture or stimulate \_\_\_ / Plug off old formation \_\_\_ / Perforate new formation \_\_\_ / Other physical change in well (specify) \_\_\_\_\_

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

**BLANKET BOND** STERLING DRILLING and PRODUCTION CO., INC.  
Well Operator

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1613 WASHINGTON ST., E.  
CHARLESTON, WV 25311  
Telephone - 304/348-3092

By: Charlie E. Moore  
Its: DESIGNATED AGENT

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) FWA Drilling Co., Inc.

Address Box 448

Elkview, W.V. 25071

GEOLOGICAL TARGET FORMATION DEVONIAN SHALE (Brown)  
Estimated depth of completed well 4500 feet. Rotary  / Cable tools  /  
Approximate water strata depths: Fresh,            feet; salt,            feet.  
Approximate coal seam depths: 0  
Is coal being mined in this area: Yes  / No  /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill-ling	Left in Well		
Conductor									Kinds
Fresh water	8 5/8	LS	20#	X		400'	400'	To Surface	
Coal	8 5/8	LS	20#	X					Sizes
Intermed.									
Production Tubing	4 1/2	CW	10.5#	X			4500'	450 sks	Depths set
Liners									Perforations: Top Bottom

**NOTE:** Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

**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 8-18-82.

J. E. Murray  
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator            / owner            / lessee            / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map 09/15/2023. Undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

Date:           , 19           .

By:           

Its:

PROPOSED WORK ORDER

(12-81)

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) UNKNOWN AT THIS TIME

Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION, BROWN SHALE

Estimated depth of completed well, 4500 feet Rotary X / Cable tools \_\_\_\_\_ /

Approximate water strata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.

Approximate coal seam depths: 0 Is coal being mined in the area? Yes \_\_\_\_\_ / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		Kinds	Sizes
Conductor										
Fresh Water	8 5/8	LS	20#	X		400'	400'	To Surface		
Coal										
Intermediate										
Production	4 1/2	CW	10.5#	X			4500'	450 sks		Depths set
Tubing										
Liners										Perforations:
										Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form Iv-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

**THIS PERMIT MUST BE POSTED AT THE WELL SITE.**  
**ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,**  
**ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY**  
**APPROVED FOR DRILLING. THIS PERMIT SHALL EXPIRE**  
**IF OPERATIONS HAVE NOT COMMENCED BY 7/29/83.**  
 BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

09/15/2023

The undersigned coal operator \_\_\_\_\_ / owner \_\_\_\_\_ / lessee \_\_\_\_\_ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: \_\_\_\_\_, 19 \_\_\_\_\_

By \_\_\_\_\_  
Its \_\_\_\_\_



Date: September 28, 19 82

FORM IV-2 (Obverse) (12-81)

Operator's Well No. Sullivan #603 - Ren.

API Well No. 47 - 087 - 3520 - Ren.

State County Permit

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION OIL AND GAS WELL PERMIT APPLICATION Formerly 47 - 087 - 3520

WELL TYPE: Oil / Gas X / (If "Gas", Production X / Underground storage / Deep / Shallow X /)

LOCATION: Elevation: 792.19' Watershed: Slab Fork and Rush Creek

District: Smithfield County: Roane Quadrangle: 7.5' Looneyville

WELL OPERATOR: STERLING DRILLING and PRODUCTION CO., INC. DESIGNATED AGENT Harry L. Berger, Jr.

Address 360 Madison Ave., Fifth Floor Address 710 Virginia St., E. New York, New York 10017 Charleston, W.V. 25301

OIL & GAS ROYALTY OWNER Robert Z. Sullivan

Address 571 Slab Fork Road Spencer, W.V. 25276

Acreage 100

SURFACE OWNER Robert Z. Sullivan

Address Same

Acreage 100

FIELD SALE (IF MADE) TO:

Address

OIL & GAS INSPECTOR TO BE NOTIFIED

Name Homer H. Dougherty

Address Linden Rt. Box 3 - A Looneyville, W.V. 25259

COAL OPERATOR Unoperated

Address

COAL OWNER(S) WITH DECLARATION ON RECORD:

Name Unknown

Address

Name

Address OIL & GAS DIVISION DEPT. OF MINES

COAL LESSEE WITH DECLARATION ON RECORD:

Name

Address

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X other contract / dated, 19, to the undersigned well operator from Robert Z. Sullivan

(IF said deed, lease, or other contract has been recorded:) LEASE # 095 - 039

Recorded on Aug. 26, 19 81, in the office of the Clerk of the County Commission of Roane County, West Va., in Lease Book 159 at page 430. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate / Plug off old formation / Perforate new formation / Other physical change in well (specify)

—planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

09/15/2023

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 1615 WASHINGTON STREET EAST CHARLESTON, WVA 25311 TELEPHONE: (304) 348-3092

BLANKET BOND

STERLING DRILLING and PRODUCTION CO., INC

By Harry L. Berger, Jr. Well Operator Its DESIGNATED AGENT

STERLING DRILLING AND PRODUCTION CO., INC.

ARCADE BUILDING  
710 VIRGINIA STREET EAST  
CHARLESTON, WEST VIRGINIA 25301  
(304) 842-0121

State of West Virginia  
Department of Mines  
Oil and Gas Division  
Charleston, WV 25305

Date September 28, 1982

Re: Sterling Drilling and  
Production Co., Inc.  
Well No. 603 - Ren.

AFFIDAVIT

I, Harry L. Berger, Jr., an authorized representative, hereby verify that the owner or owners of the mineral estate upon which this proposed well is to be located will receive minimum one-eighth (1/8) royalty payments for any gas or oil extracted therefrom. Copies of the Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above-named coal operator, co-owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Signed: Harry L. Berger, Jr.  
Authorized Representative

Notary: David M. Gillespie (Signed)

My commission expires May 10, 1989.

09/15/2023



1) Date: October 6, 19 83  
 2) Operator's Well No. Sullivan #603 - Ren.  
 3) API Well No. 47 - 087 - 3520-REN  
 State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

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

Formerly 47 - 087 - 3520

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil \_\_\_\_\_ / Gas X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X)
- 5) LOCATION: Elevation: 792.19' Watershed: Slab Fork and Rush Creek  
 District: Smithfield County: Roane Quadrangle: 7.5' Looneyville
- 6) WELL OPERATOR Sterling Drilling & Prod. Co., Inc. DESIGNATED AGENT Harry L. Berger, Jr.  
 Address 360 Madison Ave. Fifth Floor Address 710 Virginia St., E.  
New York, New York 10017 Charleston, W.V 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Homer H. Dougherty  
 Address Linden Rt. Box 3 - A  
Looneyville, W.V. 25259
- 9) DRILLING CONTRACTOR: Name UNKNOWN AT THIS TIME  
 Address \_\_\_\_\_
- 10) PROPOSED WELL WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate \_\_\_\_\_ /  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, BROWN SHALE  
 12) Estimated depth of completed well, 5100 feet  
 13) Approximate trata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.  
 14) Approximate coal seam depths: 0 Is coal being mined in the area? Yes \_\_\_\_\_ / No X /

RECEIVED  
OCT 18 1983  
OIL & GAS DIVISION  
DEPT. OF MINES

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	9 5/8	LS	33#	X		250'	250'	To Surface	By Rule 15-05
Coal									Sizes
Intermediate	7"	J-55	20#	X		2140'	2140'	100 sks	
Production	4 1/2	ERW	10.5#	X			5100'	250 sks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-087-3520-REN Date October 26, 19 83

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires October 26, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
	<u>ls</u>	<u>ls</u>	<u>ls</u>	<u>5663</u>

T. R. ...  
Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.



OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) WELL LOCATION: B (1) Gas, Production  
 2) WELL OPERATOR: [Name]  
 3) PROPOSED WELL WORK: [Description]  
 4) DRILLING CONTRACTOR: [Name]  
 5) OIL & GAS INSPECTOR TO BE NOTIFIED: [Name]  
 6) APPROXIMATE DATE BEING DRILLED: [Date]  
 7) ESTIMATED DEPTH OF COMPLETED WELL: [Depth]  
 8) APPROXIMATE FORTS DEPTH: [Depth]  
 9) APPROXIMATE COAL BEING DRILLED IN THE AREA: [Yes/No]

RECEIVED  
 DEPT. OF MINES  
 OIL & GAS DIVISION  
 OCT 18 1983

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: \_\_\_\_\_  
 Reason: \_\_\_\_\_

Agency	Plan	Case	Fee

09/15/2023

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.





**INSTRUCTIONS TO SURFACE OWNERS  
AND  
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT  
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

**Where to file comments and obtain additional information:**

Administrator of the Office of Oil and Gas  
West Virginia Department of Mines  
1615 Washington Street East  
Charleston, West Virginia 25311  
(304) 348-2057

**Who may file comments?** If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

**Time limits for comments.** The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

**Comments must be in writing.** Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

**Methods for filing comments.** Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

**List of Water Testing Laboratories.** The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

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INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book Page</u>
Robert Z. Sullivan 571 Slab Fork Road Spencer, W.V. 25276	Sterling Drilling and Production Co., Inc.	1/8	159/430

09/15/2023

1) Date: October 6, 1983  
2) Operator's  
Well No. Sullivan #603 - Ren.  
3) API Well No. 47  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OFFICE OF OIL & GAS  
Formerly 47 - 087 - 3520  
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

(i) Name Robert Z. Sullivan  
Address 571 Slab Fork Road  
Spencer, W.V. 25276  
(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

5(i) COAL OPERATOR UNOPERATED  
Address \_\_\_\_\_

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name UNKNOWN  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

RECEIVED  
OCT 18 1983

OIL & GAS DIVISION  
DEPT. OF MINE

6) EXTRACTION RIGHTS

Check and provide one of the following:  
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.  
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by  
Harry L. Berger, Jr.  
this 6 day of October, 1983.  
My commission expires May 10, 1989.  
David M. Gillespie  
Notary Public, Kanawha County,  
State of West Virginia

WELL  
OPERATOR Sterling Drilling & Prod. Co., Inc.  
By Harry L. Berger  
Its Designated Agent  
Address 710 Virginia St., E.  
Charleston, W.V. 25301  
Telephone 342 - 0121

09/15/2023



1) Date: October 6, 19 83  
 2) Operator's Well No. Sullivan #603 - Ren.  
 3) API Well No. 47  
 State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

Formerly 47 - 087 - 3520

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION  
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil \_\_\_\_\_ / Gas X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 792.19' Watershed: Slab Fork and Rush Creek  
 District: Smithfield County: Roane Quadrangle: 7.5' Looneyville
- 6) WELL OPERATOR Sterling Drilling & Prod. Co., Inc. 7) DESIGNATED AGENT Harry L. Berger, Jr.  
 Address 360 Madison Ave. Fifth Floor Address 710 Virginia St., E.  
New York, New York 10017 Charleston, W.V 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Homer H. Dougherty Name UNKNOWN AT THIS TIME  
 Address Linden Rt. Box 3 - A Address \_\_\_\_\_  
Looneyville, W.V. 25259
- 10) PROPOSED WELL WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate \_\_\_\_\_ /  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_ /  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, BROWN SHALE  
 12) Estimated depth of completed well, 5100 feet  
 13) Approximate trata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.  
 14) Approximate coal seam depths: 0 Is coal being mined in the area? Yes \_\_\_\_\_ / No X /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well			
Conductor										Kinds
Fresh water	<u>9 5/8 LS</u>		<u>33#</u>	<u>X</u>		<u>250'</u>	<u>250'</u>	<u>To Surface</u>		<u>By Kelly 10-05</u>
Coal										Sizes
Intermediate	<u>7"</u>	<u>J-55</u>	<u>20#</u>	<u>X</u>		<u>2140'</u>	<u>2140'</u>	<u>100 sks</u>		
Production	<u>4 1/2 ERW</u>		<u>10.5#</u>	<u>X</u>			<u>5100'</u>	<u>250 sks</u>		Depths set
Tubing										
Liners										Perforations: Top Bottom

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of the filing of the Application.

WAIVER

The undersigned coal operator \_\_\_\_\_ / owner \_\_\_\_\_ / lessee \_\_\_\_\_ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: \_\_\_\_\_, 19 \_\_\_\_\_

By \_\_\_\_\_

Its \_\_\_\_\_

09/15/2023  
Coal Owner



1) Date: October 6, 19 83  
 2) Operator's Well No. Sullivan #603 - Ren.  
 3) API Well No. 47  
 State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION  
**APPLICATION FOR A WELL WORK PERMIT**

Formerly 47 - 087 - 3520

- 4) WELL TYPE: A Oil \_\_\_\_\_ / Gas X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 792.19' Watershed: Slab Fork and Rush Creek  
 District: Smithfield County: Roane Quadrangle: 7.5' Looneyville
- 6) WELL OPERATOR Sterling Drilling & Prod. Co., Inc. DESIGNATED AGENT Harry L. Berger, Jr.  
 Address 360 Madison Ave. Fifth Floor Address 710 Virginia St., E.  
New York, New York 10017 Charleston, W.V 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Homer H. Dougherty  
 Address Linden Rt. Box 3 - A  
Looneyville, W.V. 25259
- 9) DRILLING CONTRACTOR: Name UNKNOWN AT THIS TIME  
 Address \_\_\_\_\_
- 10) PROPOSED WELL WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate \_\_\_\_\_  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_ /  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, BROWN SHALE
- 12) Estimated depth of completed well, 5100 feet
- 13) Approximate strata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.
- 14) Approximate coal seam depths: 0 Is coal being mined in the area? Yes \_\_\_\_\_ / No X /

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OIL & GAS DIVISION  
 DEPT. OF MINES

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	9 5/8	LS	33#	X		250'	250'	To Surface	
Coal									Sizes
Intermediate	7"	J-55	20#	X		2140'	2140'	100 sks	
Production	4 1/2	ERW	10.5#	X			5100'	250 sks	Depths set
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number \_\_\_\_\_ Date \_\_\_\_\_ 19 \_\_\_\_\_

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires \_\_\_\_\_ unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
-------	--------	-------	--------	-----

Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location. File \_\_\_\_\_

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

09/15/2023

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforations: 91 holes 2970' - 5072'  
 Treatment: 3500 gal 15% HCl; 4544 MSCF N<sub>2</sub>

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fres and salt water, coal, oil and ga
					all measurements 10' KB
Sandstoen and Shale			0	1520	
Maxon			1520	1752	
Little Lime			1752	1777	
Pencil Cave			1777	1790	
Big Lime			1790	1901	
Big Injun			1901	1932	
Siltstone and Shale			1932	2316	
Sunbury Shale			2316	2334	
Sandy Siltstone and Shale			2334	2650	
Silty Shale			2650	4708	
Grey Siltstone			4708	4740	
Grey and Dark Shale			4740	5131	TD 5131' KB

(Attach separate sheets as necessary)

Sterling Drilling and Production Co. 09/15/2023  
 Well Operator  
 By: Henry J. Berger, Jr.  
 Date: 10-29-84

Note: Regulation 2.02(i) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic  
 detailed geological record of all formations, including

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(Rev 8-81)

OIL & GAS DIVISION

DEPT. OF MINES State of West Virginia

Department of Mines  
Oil and Gas Division

Date Oct. 22, 1984

Operator's

Well No. 603-Ren

Farm Robert Sullivan

API No. 47 - 087 - 3520-Ren

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil \_\_\_ / Gas x / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas," Production x / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow x /)

LOCATION: Elevation: 792.19 Watershed Slab Fork of Rush Creek  
District: Smithfield County Roane Quadrangle 7 1/2' Looneyville

COMPANY Sterling Drilling & Production Co., Inc.

ADDRESS 710 Virginia St., E, Charleston, WV

DESIGNATED AGENT Harry L. Berger, Jr. 25301

ADDRESS 710 Va. St., E. Charleston, WV 25301

SURFACE OWNER Robert Sullivan

ADDRESS 571 Slab Fk Rd., Spencer, WV 25276

MINERAL RIGHTS OWNER Same

ADDRESS Same

OIL AND GAS INSPECTOR FOR THIS WORK Homer

Dougherty ADDRESS Linden Rt, Bx 3-A Looneyvl  
WV 25259

PERMIT ISSUED 10/26/83

DRILLING COMMENCED 7/2/84

DRILLING COMPLETED 7/8/84

IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON \_\_\_\_\_

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8	267'	267'	to surface
8 5/8			
7	2139'	2139'	175 sx
5 1/2			
4 1/2		5102'	280 sx
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5100 feet

Depth of completed well 5131 feet Rotary X / Cable Tools \_\_\_\_\_

Water strata depth: Fresh 179 feet; Salt 1607 feet

Coal seam depths: ---- Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 2970'-5072' feet

Gas: Initial open flow --- Mcf/d Oil: Initial open flow ---- Bbl/d

Final open flow 337 Mcf/d Final open flow --- Bbl/d

Time of open flow between initial and final tests 64 hours

Static rock pressure 1200 psig (surface measurement) after 96 hours shut in

(If applicable due to multiple completion--)

Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet

Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ hours

Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

ROANE  
3520-Ren

09/15/2023

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

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OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 087-3520-Ren.

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

Company <u>Sterling Drilling &amp; Prod.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address <u>Charleston</u>	Size		
Farm <u>Robert Z. Sullivan</u>	16			Kind of Packer _____
Well No. <u>Sullivan 603-Ren.</u>	13			
District <u>Smithfield</u> County <u>Roane</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: 6/21/84 Sterling called going to build location.  
6/26/84 Ray Miller does service building location and road. Location graded crew drilling to shoot pits on upper side of location. Does building road to Loc. Crushed rock on Road entrance and ~~do~~ across creek.

6/26/84  
DATE

Homer H. Doughty  
09/15/2023  
DISTRICT WELL INSPECTOR





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

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INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 087-3520-Ren.

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

		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company	<u>Sterling Drilling &amp; Prod.</u>				
Address	<u>Charleston, W. Va.</u>	Size			
Farm	<u>Robert Sullivan</u>	16			Kind of Packer _____
Well No.	<u>Sullivan 603-Ren.</u>	13			
District	<u>Smithfield</u> County <u>Roane</u>	10			Size of _____
Drilling commenced	<u>7/2/84</u>	<del>8 3/4</del> <u>9 5/8</u>		<u>267</u>	
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 <u>9 5/8</u> SIZE <u>267</u> No. FT. <u>7/3/84</u> Date			
Fresh water	_____ feet _____ feet	NAME OF SERVICE COMPANY <u>Dowell</u>			
Salt water	_____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
		_____ FEET _____ INCHES _____ FEET _____ INCHES			
		_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Rex Cummings Pusher Steve Arbogast

Clint Hurt Rig #7

Remarks: 7/2/84 Rig moved on rigged up & started drilling  
7/3/84 Ran 267 ft of 9 5/8" surface pipe and cemented  
with 100 sacks of neat 3% C.C. 1/4 lb. floccle  
Plug down 8:45 A.M By Dowell. Cement Circulated to Surface.

7/3/84  
DATE

Homer H. Douglas  
DISTRICT WELL INSPECTOR

09/15/2023



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

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OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 087-3520-Rem.

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

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Sterling Drilling + Prod.</u>	Size			
<u>Charleston, W. Va.</u>	16			Kind of Packer _____
<u>Robert Sullivan</u>	13			
<u>Sullivan 603</u>	10			Size of _____
<u>Smithfield County Roane</u>	8 1/4			
<u>7/2/84</u>	<u>7</u>		<u>2139</u>	Depth set _____
<u>7/8/84</u>	5 3/16			
<u>5124</u>	3			Perf. top _____
	2			Perf. bottom _____
	Liners Used			Perf. top _____
				Perf. bottom _____
	CASING CEMENTED <u>7"</u> SIZE <u>2139</u> No. FT <u>7/6/84</u> Date			
	NAME OF SERVICE COMPANY <u>Dowell</u>			
	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Rex Cummings Pusher Steve Arbogast

Clint Hart Rig # 7

Remarks: 7/6/84 Ran 2139 ft of 7" pipe and cemented with 175 of neat 37 cc. + 1/4 lb. of Celefak Plug down 8:00 A.M. by Dowell  
7/8/84 F.D. of Well 5124 ft.

7/9/84 Ran 5102 ft of 4 1/2" pipe and cemented with 280 sacks of 50/50 pozmix 10% salt 12 1/2 lb. Kolate + 1/8 lb. flocele  
7/10/84 Plugdown 3:45 A.M. by Dowell

7/10/84 \_\_\_\_\_  
DATE

Homes H. D. Herty  
DISTRICT WELL INSPECTOR  
09/15/2023



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

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INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES  
Oil or Gas Well \_\_\_\_\_  
(KIND)

Permit No. 087-3520-Rem.

Company Sterling Drilling & Prod.

Address Charleston, W.Va.

Farm Robert Sullivan

Well No. Sullivan #603 Rem.

District Smithfield County Roane

Drilling commenced 7/2/84

Drilling completed 7/8/84 Total depth 5124

Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_

Initial open flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch

Open flow after tubing \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch

Volume \_\_\_\_\_ Cu. Ft.

Rock pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.

Oil \_\_\_\_\_ bbls., 1st 24 hrs.

Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet

Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_

NAME OF SERVICE COMPANY \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Drillers' Names Status Report

Remarks: 10/24/84 Inspected Reclamation on Location + Road. Reclamation done, pit filled location + Road seeded + mulched grass just starting to grow.

10/24/84  
DATE

Homer H. D... ..  
09/15/2023  
DISTRICT WELL INSPECTOR



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
FINAL INSPECTION REQUEST  
INSPECTOR'S COMPLIANCE REPORT

Permit No. 087-3520-REN County Roane/Smithfield  
 Company Sterling Drilling & Production Co. Farm Robert Z. Sullivan  
 Inspector HOMER H. DOUGHERTY Well No. 603  
 Date September 8, 1983

RULE	DESCRIPTION	IN COMPLIANCE	
		Yes	No
23.06	Notification Prior to starting Work	_____	_____
25.04	Prepared before Drilling to prevent waste	_____	_____
25.03	High-Pressure Drilling	_____	_____
16.01	Required Permits at wellsite	_____	_____
15.03	Adequate Fresh Water Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement Strength	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to prevent Waste	_____	_____
23.03	Reclaimed Drilling Site	_____	_____
23.04	Reclaimed Drilling Pits	_____	_____
23.05	No surface or underground Pollution	_____	_____
7.03	Identification Markings	_____	_____

COMMENTS: Release on Cancellation if location is ok  
Permit expired

I have inspected the above well and (HAVE/HAVE NOT) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia.

SIGNED: Homer H. Dougherty  
 DATE: 9/23/83 09/15/2023





State of West Virginia  
 Department of Mines  
 Oil and Gas Division  
 Charleston 25305

WALTER N. MILLER  
 DIRECTOR

THEODORE M. STREIT  
 ADMINISTRATOR

September 28, 1983

Sterling Drilling & Production Co.  
 710 Virginia Street, East - Arcade Bldg.  
 Charleston, West Virginia 25301

In Re: PERMIT NO: 47-087-3520-REN.

FARM: Robert Z. Sullivan

WELL NO: 603

DISTRICT: Smithfield

COUNTY Roane

Gentlemen:

The FINAL INSPECTION REPORT for the above described well has been received in his office. Only the column check below applies:

XXXXXX 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 their 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,

Theodore M. Streit, Administrator  
 Office of Oil & Gas-Dept. Mines

S/r1

09/15/2023



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JUL 16 1985

OIL & GAS DIVISION  
DEPT. OF MINES

State of West Virginia  
Department of Mines  
Oil and Gas Division  
Charleston 25305

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
November 19, 1984

COMPANY Sterling Drilling & Prod. Co.

PERMIT NO 087-3520-REN (10-26-83)

710 Virginia Street, East

FARM & WELL NO Robert Sullivan #603

Charleston, West Virginia 25301

DIST. & COUNTY Smithfield/Roane

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	✓	
25.04	Prepared before Drilling to Prevent Waste	✓	
25.03	High-Pressure Drilling		
16.01	Required Permits at Wellsite	✓	
15.03	Adequate Fresh Water Casing	✓	
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing	✓	
15.04	Adequate Cement Strenght	✓	
15.05	Cement Type	✓	
23.02	Maintained Access Roads	✓	
25.01	Necessary Equipment to Prevent Waste	✓	
23.04	Reclaimed Drilling Pits	✓	
23.05	No Surface or Underground Pollution	✓	
23.07	Requirements for Production & Gathering Pipelines	✓	
16.01	Well Records on Site	✓	
16.02	Well Records Filed		
7.05	Identification Markings	✓	

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

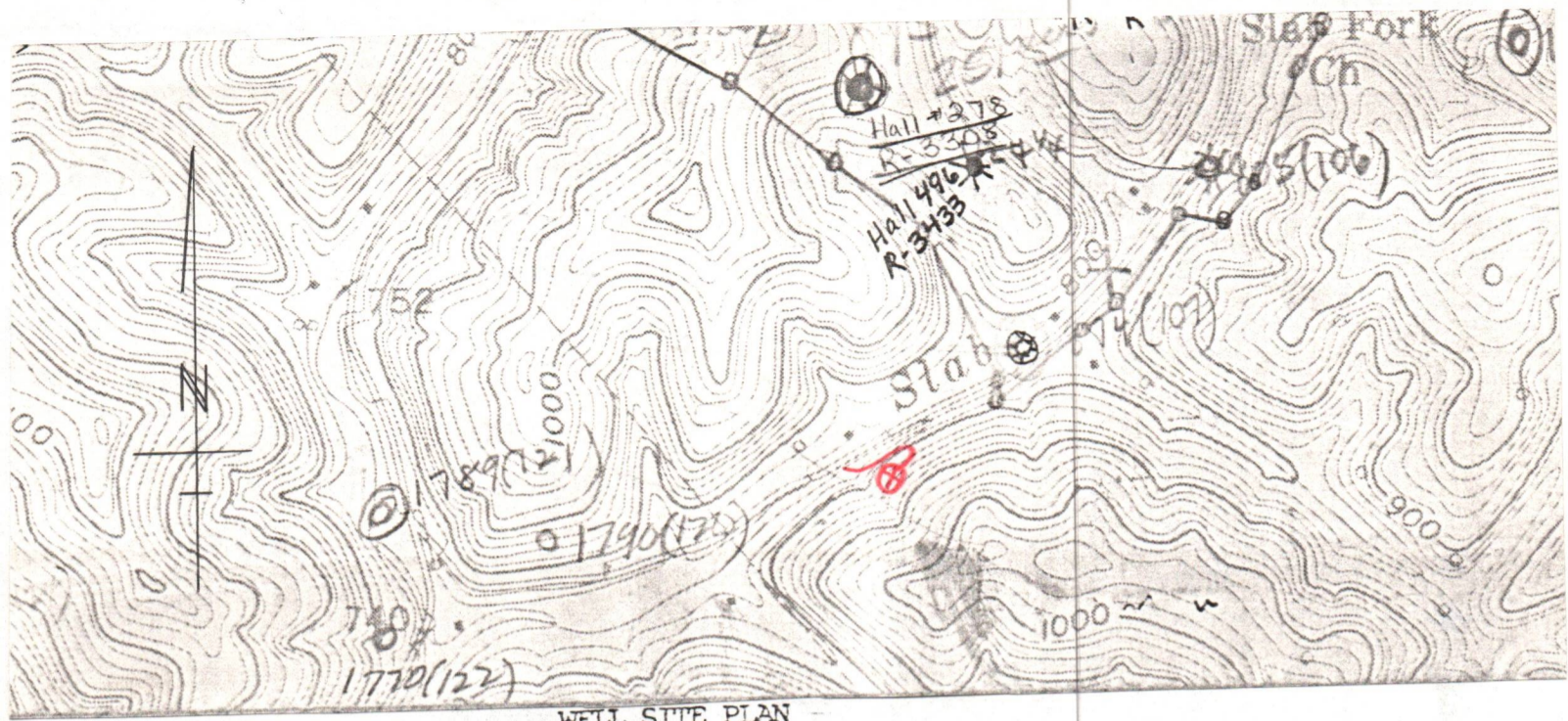
SIGNED Homer H. Dougherty  
DATE 7/11/85

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

J. H. ...  
Administrator-Oil & Gas Division

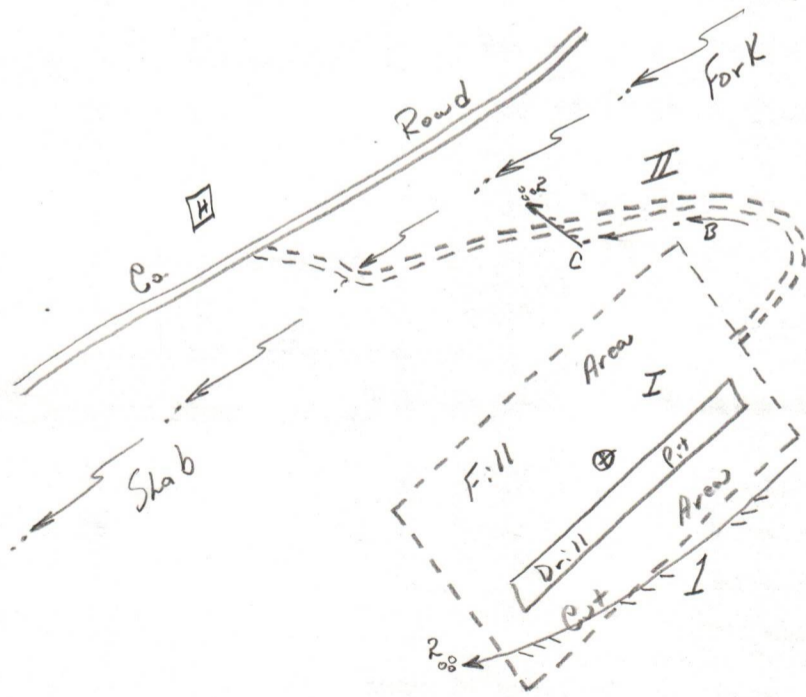
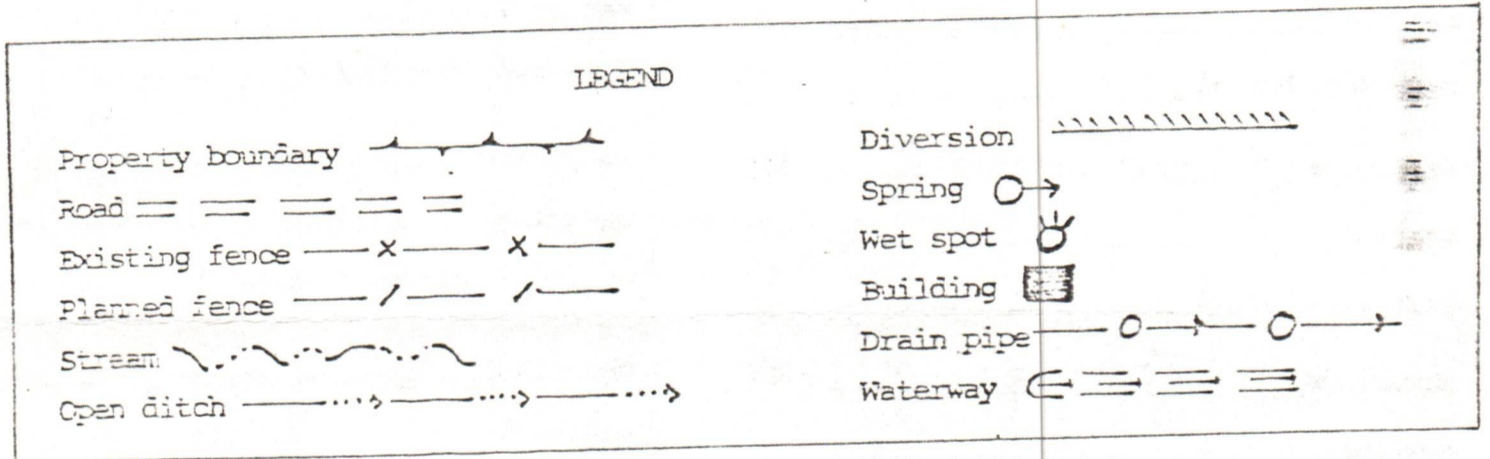
August 1, 1985  
DATE

09/15/2023



WELL SITE PLAN

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



09/15/2023



DATE December 2, 1981  
WELL NO. # 603 Sullivan  
API NO. 47-087-3520

State of West Virginia  
Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Sterling Drilling & Prod. Co WELL OPERATOR Charlie E. Moore  
Address 360 Madison Ave. - NY, NY 10017 Address Rt. 1 Box 30 - Duck, WV 25063  
Telephone (212) 949-9100 Telephone (304) 364-5780

LANDOWNER Robert Z. Sullivan SOIL CONS. DISTRICT Little Kanawha  
Revegetation to be carried out by Moore's Well Services, Inc. - C.E. Moore (Agent)

This plan has been reviewed by Little Kanawha SD. All corrections and additions become a part of this plan: 12-3-81 (Date)

Jarrett Newton  
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>Culverts</u> (A)	Structure <u>Diversion Ditch</u> (1)
Spacing <u>Size 26" Temporary</u>	Material <u>Earthen</u>
Page Ref. Manual <u>1:18</u>	Page Ref. Manual <u>1:9</u>
Structure <u>Drainage Ditches</u> (B)	Structure <u>Rip-Rap</u> (2)
Spacing _____	Material <u>Rock</u>
Page Ref. Manual <u>I-11</u>	Page Ref. Manual <u>N/A</u>
Structure <u>Cross Ditches</u> (C)	Structure _____ (3)
Spacing <u>100'</u>	Material _____
Page Ref. Manual <u>I-6</u>	Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

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REVEGETATION

Location - Treatment Area I

Lime 2 Tons/acre  
or correct to pH 6.5

Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)

Mulch Hay 2 Tons/acre

Seed\* Ky 31 35 lbs/acre

Ladino Clover 5 lbs/acre

\_\_\_\_\_ lbs/acre

Roadway - Treatment Area II

Lime 2 Tons/acre  
or correct to pH 6.5

Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)

Mulch Hay 2 Tons/acre

Seed\* Ky 31 45 lbs/acre

\_\_\_\_\_ lbs/acre

\_\_\_\_\_ lbs/acre

\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount. Moore's Well Services, Inc. 09/15/2023

PLAN PREPARED BY Richard A. Campbell  
ADDRESS Route 1 Box 30  
Duck, WV 25063  
PHONE NO. (304) 364-5780

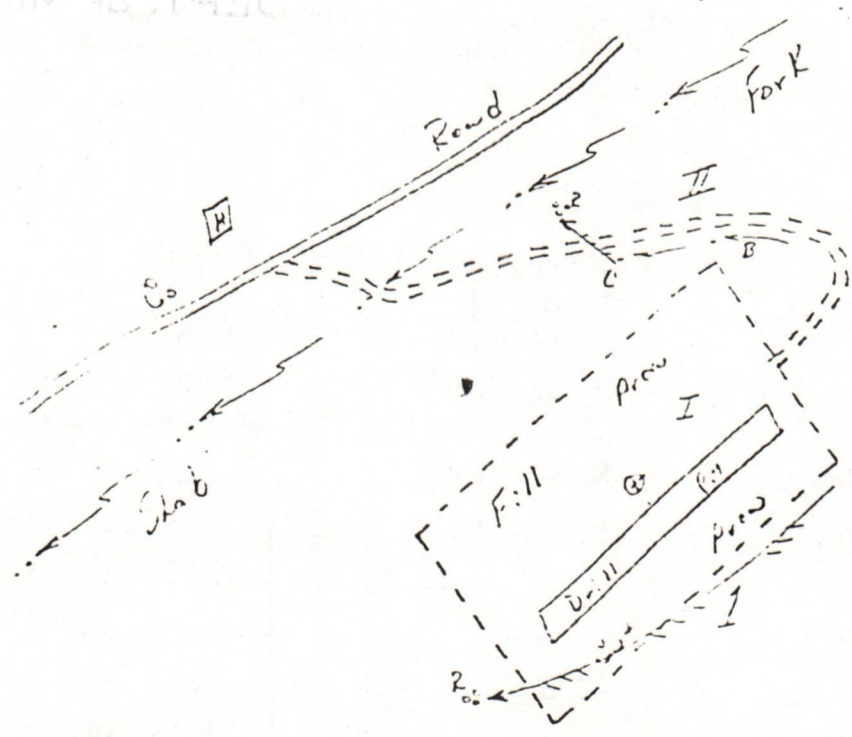
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.



WELL SITE PLAN

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

LEGEND	
Property boundary	
Road	
Existing fence	
Planned fence	
Stream	
Open ditch	
Diversion	
Spring	
Wet spot	
Building	
Drain pipe	
Waterway	



09/15/2023

State of West Virginia

Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Sterline Drilling & Prod. Co WELL OPERATOR Charlie E. Moore  
Address 360 Madison Ave. - NY, NY 10017 Address Rt. 1 Box 30 - Duck, WV 250  
Telephone (212) 949-9100 Telephone (304) 364-5780

ENGINEER Robert Z. Sullivan SOIL CONS. DISTRICT Little Kanawha  
Revegetation to be carried out by Moore's Well Services, Inc. - C.E. Moore (agent)

This plan has been reviewed by Little Kanawha SD. All corrections and additions become a part of this plan: 12-3-81 (Date)

Garrett Newton  
(SD Agent)

ACCESS ROAD

LOCATION

Structure Conduits  
Spacing Size 24" Temporary  
Page Ref. Manual 1-18

(A) Structure Diversion Ditch (1)  
Material Earthen  
Page Ref. Manual 1-9

Structure Drainage Ditches  
Spacing \_\_\_\_\_  
Page Ref. Manual I-11

(B) Structure Rip-Rap (2)  
Material Rock  
Page Ref. Manual N/A

Structure Cross Ditches  
Spacing 100'  
Page Ref. Manual I-6

(C) Structure \_\_\_\_\_  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

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All structures should be inspected regularly and repaired if necessary. commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Location - Treatment Area I  
Line 2 Tons/acre  
or correct to pH 6.5  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch Hay 2 Tons/acre  
Seed Ky 31 35 lbs/acre  
Radio Clover 5 lbs/acre  
\_\_\_\_\_ lbs/acre

Roadway - Treatment Area II  
Line 2 Tons/acre  
or correct to pH 6.5  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch Hay 2 Tons/acre  
Seed Ky 31 45 lbs/acre  
\_\_\_\_\_ lbs/acre  
\_\_\_\_\_ lbs/acre

Revegetate all regions such as wash, gullies and ditches with the proper vegetation. Moore's Well Services, Inc.

PLAN PREPARED BY Richard A. Campbell

ADDRESS Route 1 Box 30

Duck, WV 25063

PHONE NO. (304) 364-5780

09/15/2023

NOTES: Please request Contractors' cooperation to protect new seedling for the growing season. Attach separate sheets as necessary for comments.

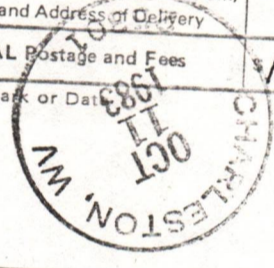
603  
P 522 051 926

NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to ROBERT Z. SULLIVAN	
Street and No. 571 SLAB FORK ROAD	
P.O., State and ZIP Code SPENCER, W. V. 25276	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	1.72
Postmark or Date	

PS Form 3800, Feb. 1982



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DEPT. OF MINES

09/15/2023

65-12-14-81

15' LATITUDE 38°45'

7 1/2' LATITUDE 38°42'30"

MAGNETIC NORTH

7 1/2' LONGITUDE 81°17'30"

15' LONGITUDE 81°15' 6500'

A. J. FERRELL

N57°15'E-1006.5' DEED &  
N63°28'E-944.75' MAG.

FEN. COR. CALL HY.  
N32°E-239.25' DEED

U.S.G.S. B.M.  
EL. 752'  
7 1/2' TOPO  
LOCATION

CALL HY.  
N38°E-  
643.5'

CALL CHES.  
100'

15' TOPO LOCATION  
CALL HY.

S73°09'W-362'

N75°30'W

R. CAMP

3429

3430

Old Well  
HALL

3434

3308

3435

S46°30'E-709.5'  
DEED

CALL BCH.

3433

S50°30'E-594'

CALL STONE

S22°30'E-904.20' DEED

CALL B. WAL.

ROBERT Z. SULLIVAN

M. FERRELL

PROPOSED LOCATION

CALL STONE

2799.39'  
DEED

J. REYNOLDS

BEECH IN P.L. BY CRK.

N. B.H-17, PG. 32

FILE NO. 095-039 NO. 2  
 DRAWING NO. 73-B  
 SCALE 1"=1000'  
 MINIMUM DEGREE OF  
 ACCURACY 1:200  
 PROVEN SOURCE OF  
 ELEVATION U.S.G.S. DATA B.M.  
 SHOWN EL. 752'

I THE UNDERSIGNED, HEREBY CERTIFY THAT  
 THIS PLAT IS CORRECT TO THE BEST OF MY  
 KNOWLEDGE AND BELIEF AND SHOWS ALL THE  
 INFORMATION REQUIRED BY LAW AND THE REGU-  
 LATIONS ISSUED AND PRESCRIBED BY THE DEPART-  
 MENT OF MINES.  
 (SIGNED) Harry L. Berger, Jr.  
 R.P.E. \_\_\_\_\_ L.L.S. 248



(+) DENOTES LOCATION OF  
 WELL ON UNITED STATES  
 TOPOGRAPHIC MAPS  
 FORM IV-6  
 (8-78)



DATE NOV. 7, 1981  
 OPERATOR'S WELL NO. 603  
 API WELL NO. \_\_\_\_\_  
47 - 087 - 3520 - Per  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

~~CANCELLED~~

*Re-Instated*

*10/26/83*

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP X SHALLOW \_\_\_  
 LOCATION: ELEVATION 792.19 WATER SHED SLAB FORK & RUSH CREEK  
 DISTRICT SMITHFIELD COUNTY ROANE  
 QUADRANGLE 7 1/2' LOONEYVILLE (WALTON N.E.)

SURFACE OWNER ROBERT Z. SULLIVAN ACREAGE 100  
 OIL & GAS ROYALTY OWNER ROBERT Z. SULLIVAN LEASE ACREAGE 100  
 LEASE NO. 095-039

09/15/2023

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR  
 STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW  
 FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 4500'  
 WELL OPERATOR STERLING DRUG & PROD. CO., INC. AGENT CHARLIE MOORE  
 ADDRESS 360 MADISON AVE, 5TH FLOOR ADDRESS RT. 1 BOX 30  
NEW YORK, NY 10017 DUCK, WV 26063

*Bannon*