



1) Date: November 18, 19 83
 2) Operator's Well No. 868
 3) API Well No. 47 - 013 - 3679
 State County Permit

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: 1024.45' Watershed: Beech Fork
 District: Washington County: Calhoun Quadrangle: 7.5' Tariff
- 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 Deo Mace
 Address Rt. 1 Box 5
Sandridge, W.V. 25274
- 9) DRILLING CONTRACTOR: Name UNKOWN AT THIS TIME
 Address
- 10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate X
 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, 5350 feet
- 13) Approximate trata depths: Fresh, feet; salt, feet.
- 14) Approximate coal seam depths: 0 Is coal being mined in the area? Yes

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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		300'	300'	To Surface	by rule 15.05
Coal									Sizes
Intermediate	7"	J-55	20#	X		1985'	1985'	100 sks	
Production	4 1/2	ERW	10.5#	X			5350'	250 sks	Depths set
Tubing									or as req. by rule
Liners									Perforations: 15.01
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-013-3679 Date December 15, 1983

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 December 15, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

BLANKET BOND

Bond:	Agent: <u>LS</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>5941</u>
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Margaret J. Hass
 Administrator, Office of Oil and Gas

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



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

OFFICE USE ONLY

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

1) WELL LOCATION: B (If "Gas," Production) / Underground storage / Shallow / Deep / Other: _____
 Elevation: _____
 District: _____
 County: _____
 Well No.: _____
 State: _____
 City: _____
 Street: _____
 Zip: _____
 2) WELL OPERATOR: _____
 Address: _____
 City: _____
 State: _____
 Zip: _____
 3) OIL & GAS INSPECTOR TO BE NOTIFIED: _____
 Name: _____
 Address: _____
 City: _____
 State: _____
 Zip: _____
 4) PROPOSED WELL WORK: Drill / Redrill / deeper / Stimulate / Plug old / old formation / Perform new formation / Other physical change in well (specify): _____
 5) GEOLOGICAL TARGET FORMATION: _____
 6) Estimated depth of completed well: _____ feet
 7) Approximate true depth: _____ feet
 8) Approximate coal seam depths: _____ feet
 9) Is coal being mined in the area? Yes / No

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OIL & GAS DIVISION

Casing or Tubing Type	Size	Grade	Specifications		Footage Intervals		Cement Fill OR SACKS (Cubic Feet)	Packers
			Weight per ft.	New / Used	For drilling	Left in well		
Conductor								
Fresh water								
Coal								
Intermediate								
Production								
Tubing								
Liners								

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

Follow-up inspection(s)

Well work started

Completion of the drilling process

Well Record received

Reclamation completed

OTHER INSPECTIONS

Reason: _____

Reason: _____

Agent	Plate	Casing	Fee

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.

05/17/2024

SURFACE OWNER'S COPY



1) Date: November 18, 19 83
 2) Operator's Well No. 868
 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**

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1024.45' Watershed: Beech Fork
 District: Washington County: Calhoun Quadrangle: 7.5' Tariff
- 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 Deo Made Name UNKNOWN AT THIS TIME
 Address Rt. 1 Box 5 Address _____
Sandridge, W.V. 25274
- 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, 5350 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		Kinds	Sizes
Conductor										
Fresh water	<u>9 5/8</u>	<u>LS</u>	<u>33#</u>	<u>X</u>		<u>300'</u>	<u>300'</u>	<u>To Surface</u>		
Coal										
Intermediate	<u>7"</u>	<u>J-55</u>	<u>20#</u>	<u>X</u>		<u>1985'</u>	<u>1985'</u>	<u>100 sks</u>		
Production	<u>4 1/2</u>	<u>ERW</u>	<u>10.5#</u>	<u>X</u>			<u>5350'</u>	<u>250 sks</u>		
Tubing										
Liners										
									Perforations:	
									Top	Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: _____

Dorel Bischoke Date: 12-11-83
 (Signature)

By _____

 (Signature) Date: _____

Its _____ Date _____

05/17/2024
 Surface Owner



**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.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED
(i) Name Sibyl Pishcke
Address 1401 N.E. 35th St.
Ft. Lauderdale, Fla.
(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.

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DEC 2 - 1983
OIL & GAS DIVISION
DEPT. OF MINES

- 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 18 day of November, 1983.
My commission expires May 10, 1989.
David M. Kibbe
Notary Public, Kanawha County,
State of West Virginia

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

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.

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>
Sibyl Pishcke 1401 N.E. 35th St. Ft. Lauderdale, Fla.	Sterling Drilling and Prod. Co., Inc.	1/8	081/281

05/17/2024

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OIL & GAS DIVISION
DEPT. OF MINES

IV-35
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

Date 8/1/84
Operator's _____
Well No. 868
Farm Pischke
API No. 47 - 013 - 3679

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: 1024.45 Watershed Beech Fork
District: Washington County Calhoun Quadrangle Tariff 7 1/2'

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 Sibyl Pischke

ADDRESS 1401 NE 35th St., Ft. Lauderdale, Fl 33334

MINERAL RIGHTS OWNER Sibyl Pischke

ADDRESS same

OIL AND GAS INSPECTOR FOR THIS WORK Deo

Mace ADDRESS Rt 1, Box 5, Sandridge, WV

PERMIT ISSUED December 15, 1983 25274

DRILLING COMMENCED March 16, 1984

DRILLING COMPLETED March 23, 1984

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 I	302'	302'	125 sks
8 5/8			
7 L	1966'	1966'	200' sks
5 1/2			
4 1/2 Q		5330'	290 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Brown Shale Depth 5350 feet

Depth of completed well 5344 feet Rotary X / Cable Tools _____

Water strata depth: Fresh 150 feet; Salt 1548 feet

Coal seam depths: NONE Is coal being mined in the area? _____

OPEN FLOW DATA

Producing formation Devonian Brown Shale Pay zone depth 3062 - 5109 feet

Gas: Initial open flow show Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow 342 Mcf/d Final open flow show Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure 1100 psig (surface measurement) after 72 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

CAL 3679

05/17/2024

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

Perforations:

1st Stage: 25 holes from 4708' to 5109'
 2nd Stage: 25 holes from 3885' to 4412'
 3rd Stage: 25 holes from 3062' to 3737'

Treatment:

1st Stage: 90 Quality Foam Frac - 500 gallons of 15% HCl; 900 MSCF of N₂
 10,000# of 80/100 sand and 22,000# of 20/40 sand.
 2nd Stage: 1000 gallons of 15% HCl; 1.5 MMSCF of N₂
 3rd Stage: 1000 fallons of 15% HCl; 1.5 MMSCF of N₂

(E)

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all and salt water, coal, oil and
Soil			0	4	
Shale			4	148	
Sandstone			148	200	Fresh water @ 150'
Sandstone and Shale			200	1352	
Salt Sand			1352	1443	
Shale			1443	1459	
Salt Sand			1459	1483	
Shale			1483	1516	
Salt Sand			1516	1586	Salt water @ 1548'
Shale			1586	1620	
225 Maxon			1620	1654	
Little Lime			1654	1706	
Pencil Cave			1706	1710	
345 Big Lime			1710	1842	
365 Big Injun			1842	1870	
Siltstone			1870	2190	
Sunbury Shale			2190	2201	
Siltstone and Shale			2201	2713	
Shale			2713	4850	Gas Shows 3062 - 3737'
Siltstone			4850	4955	3885 - 4412'
400 Shale			4955	5344	4708 - 5109'
					TD 5344

(Attach separate sheets as necessary)

Sterling Drilling and Production Co., Inc. 05/17/2024
 Well Operator

By: Henry J Berger
 Date: 8-2-84

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

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OIL & GAS DIVISION
DEPT. OF MINES

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

INSPECTOR'S WELL REPORT

Permit No. 13-3679

Oil or Gas Well _____
(KIND)

Company Sterling
 Address _____
 Farm Pischnke
 Well No. 868
 District Wash County Cal.
 Drilling commenced _____
 Drilling completed _____ Total depth _____
 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 _____

Remarks: Building location.

3-15-84
DATE

Was Made 05/17/2024

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MAR 20 1984

OIL & GAS DIVISION
DEPT. OF MINES

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

INSPECTOR'S WELL REPORT

Permit No. 13-3679

Oil or Gas Well _____
(KIND)

Company	Address	Farm	Well No.	District	County	Drilling commenced	Drilling completed	Date shot	Initial open flow	Open flow after tubing	Volume	Rock pressure	Oil	Fresh water	Salt water	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
																Size			Kind of Packer
<u>Sterling</u>		<u>Pischke</u>	<u>868</u>	<u>Wash</u>	<u>Cal</u>	<u>3-16-84</u>										16			
																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

Drillers' Names C. Moore 2

Remarks: 302' 9 5/8" casing, 1255K5 cement Halibutons 3-17-84
not notified of cementing, posted in 27 6:45 AM.,
shut down rig for 24 HRS.

3-17-84
DATE

Des Maco
DISTRICT

COMPANY _____

ADDRESS _____

WCH NO.

FARM _____

DISTRICT _____

COUNTY _____

05/17/2024

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)

RECEIVED
AUG - 6 1984

1.0 API well number: (If not assigned, leave blank. 14 digits.) 47 - 013 - 3679 -

2.0 Type of determination being sought: (Use the codes found on the front of this form.) 107
Section of NGPA Category Code

3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.) 5344 feet

4.0 Name, address and code number of applicant: (25 letters per line maximum. If code number not available, leave blank.)
Sterling Drilling and Production Co. OIL & GAS DIVISION 018084
710 Virginia St. East, Arcade Building
Charleston, WV 25301
 Name DEPT. OF MINES
 Street City State Zip Code

5.0 Location of this well: [Complete (a) or (b).]
 (a) For onshore wells (25 letters maximum for field name.)
Washington District
 Field Name Calhoun
 Country State WV Zip Code
 (b) For OCS wells:
Area Name Block Number

(c) Name and identification number of this well: (25 letters and digits maximum.)
Pischke #868
 Date of Lease: Mo. Day Yr. OCS Lease Number

(d) If code 4 or 5 in 2.0 above, name of the reservoir: (25 letters maximum.)
UNDEDICATED
 Name Buyer Code

6.0 (a) Name and code number of the purchaser: (25 letters and digits maximum. If code number not available, leave blank.)
 (b) Date of the contract:
Mo. Day Yr.

(c) Estimated total annual production from the well:
10 Million Cubic Feet

	(a) Base Price	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU <u>5 8 3 4</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU <u>5 8 3 4</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>

9.0 Person responsible for this application:
 Agency Use Only
 Date Received by Juris. Agency AUG - 6 1984
 Date Received by FERC
 Name Harry L. Berger, Jr. Designated Agent
 Signature Harry L. Berger, Jr. Title
 Date Application is Completed August 1, 1984
 Phone Number 304-342-0121

05/17/2024

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

AUG 30 1984

Date: _____, 19____

AGENCY USE ONLY

Applicant's Name: Sterling Drilling & Production Co.,

Inc. WELL DETERMINATION FILE NUMBER

Address: 710 Virginia Street, E. Arcade Bldg

Charleston, WV 25301

840806 -107-013 3679

Use Above File Number on all
Communications Relating to This Well

Gas Purchaser Contract No. _____

Date of Contract _____
(Month, day and year)

Designated Agent: Harry L. Berger, Jr.

First Purchaser: UNDEDICATED

Address: Sterling Drilling & Prod. Co.,

Address: _____
(Street or P.O. Box)

710 Virginia St., E. Arcade Bldg
Charleston, WV 25301

(City) (State) (Zip Code)

FERC Seller Code 018084

FERC Buyer Code _____

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL
BE ADDRESSED:

Name: Harry L. Berger, Jr.
(Print)

Agent
(Title)

Signature: *Harry L. Berger Jr*

Address: Sterling Drilling & Prod. Co., Inc.
710 Virginia St., E., Arcade Bldg.

(Street or P.O. Box)
Charleston, WV 25301
(City) (State) (Zip Code)

Telephone: (304) 342-0121
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

102 New Natural Gas

- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir

108 Stripper Well Natural Gas

- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

103 New Onshore Production Well

- 103 New Onshore Production Well

107 High Cost Natural Gas

- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

AGENCY USE ONLY

QUALIFIED

05/17/2024

AUG - 6 1984

AUG 30 1984

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's
Well No. Pischke #868

API Well No.

47 - 013 - 3679
State County Permit

WELL CLASSIFICATION FORM
HIGH COST GAS WELL - DEVONIAN SHALE
NGPA Section 107

DESIGNATED AGENT Harry L. Berger, Jr.

ADDRESS Arcade Building; 710 Virginia St., E.
Charleston, WV 25301

LOCATION Elevation 1024.45

WELL OPERATOR Sterling Drilling and Production Watershed Beech Fork
Co., Inc.
ADDRESS 710 Virginia St., East
Charleston, WV 25301
Dist. Washington County Calhoun Quad. Tariff 7 1/2'

Gas Purchase
Contract No.

GAS PURCHASER UNDEDICATED
ADDRESS

Meter Chart Code

Date of Contract

* * * * *

Date surface drilling began: March 16, 1984

Indicate the bottom hole pressure of the well and explain how this was calculated.

Bottom Hole Pressure. PSIA -- Pf = Pwe XLGS

t = 60 + (0.0075 x 5344) + 459.67 = 560 . X = 1 / 53.34 x 560 = .0000335

Pf = 1100 x 2.7183 x .0000335 x 4086 x .690 x 1.09 = 1219 PSIA

AFFIDAVIT

I, Harry L. Berger, Jr., having been first sworn according to law, state that I have calculated the percentage of footage of the producing interval which is not Devonian Shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log described in subparagraph (3)(1) or (3)(11)(A) has been filed, or as indicated by the report described in subparagraph (3)(11)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high-cost natural gas well.

Harry L. Berger Jr

STATE OF WEST VIRGINIA

COUNTY OF Kanawha, TO-WIT:

I, JoAnn K. Brooks, a Notary Public in and for the state and county aforesaid, do certify that Harry L. Berger, Jr., whose name is signed to the writing above, bearing date the 1st day of August, 1984, has acknowledged the same before me, in my county aforesaid.

05/17/2024

Given under my hand and official seal this 1st day of August, 1984. My term of office expires on the 27th day of October, 1991.

(NOTARIAL SEAL)

JoAnn K. Brooks
Notary Public

DEVONIAN SHALE GAMMA RAY LOG ANALYSIS
APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT

Operator: _____ Agent: _____

Type Determination being sought - 107 (Devonian Shale)

API Well No.: 47-013-3679 Well Name: Pischke # 868

West Virginia Office of Oil and Gas County: Calhoun
 References: SJA File No. _____

Vol. _____ Page _____ Line _____

I. NOTE: A Gamma Ray Log has been marked with the (a) Shale Base Line, (b) a line representing 0.7 x (Shale Base Line), (c) intervals with Gamma Ray units less than 0.7 x (Shale Base Line) and that log is included with this analysis.

II. Gamma Ray elevation indices:

A. Shale Base Line (API Units)

1. GR Value at Base Line = 180 * API Units
 2. Remarks: _____

B. Gamma Ray Log Value at 0.7 x Value at Base Line

1. GR Value = 126 * API Units
 2. Calculation: $\frac{0.7 \text{ (GR Value at Base Line)}}{0.7 \text{ (180 *)}} = \underline{126}$ API Units

III. Intervals with GR index less than 0.7 x (Value at Base Line):

Interval		Thickness of Interval Feet	Feet of less than* 0.7 (Shale Base Line) Feet
From**	To***		
2212	5354	3142	79

Total Devonian Interval 3142

Total Less Than 0.7 (Shale Base) _____

Less Than 0.7 (Shale Base Line) = $\frac{79}{3142} \times 100 = \underline{2.5\%}$

05/17/2024

*Marked on log included with analysis.
 **Top of Devonian Section Recorded on First Interval in this Column.
 ***Lesser of TD or Bottom of Devonian Section Recorded as last Interval in this Column.

IV-27
9-83

RECEIVED

MAR 20 1984



OIL & GAS DIVISION STATE OF WEST VIRGINIA
DEPT. OF MINES DEPARTMENT OF MINES

Date: MARCH 17, 1984
Well No: PISCHKE 868
API NO: 47 - 13 - 3679
State County Permit

Oil and Gas Division
NOTICE OF VIOLATION

WELL TYPE: Oil ___ / Gas ___ Liquid Injection ___ / Waste Disposal ___ /
Of "Gas" - Production ___ / Storage ___ / Deep ___ / Shallow ___ /
LOCATION: Elevation: _____ Watershed: BEECH OF WEST FORK
District: WASH. County: CALHOON Quadrangle: _____
WELL OPERATOR STERLING DESIGNATED AGENT HARRY BERGER
Address _____ Address 710 VIRGINIA ST. E.
CHARLESTON WV 25301

The above well is being posted this 17 day of MARCH, 1984, for a violation of Code 22-4-___ and/or Regulation 23.06, set forth in detail as follows:
(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)

DISTRICT INSPECTOR WAS NOT NOTIFIED OF INSTALLATION OF FRESH WATER CASING.

HAVING ARRIVED AT THE DRILL SITE AT 6:45 AM 3-17-84, THE RIG IS TO WAIT UNTIL 6:45 AM 3-18-84, BEFORE PROCEEDING WITH DRILLING OPERATIONS, AT WHICH TIME I WILL BE THERE.

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

You are hereby granted until _____, 19___, to abate this violation.

Failure to abate the violation may result in action by the Department under Code 22-4-17 or Code 22-4-18.

Drs Mace
Oil and Gas Inspector

Address Sand Ridge WV 25274

Telephone: 635-7798

05/17/2024

RECEIVED

MAR 20 1984

DEPT. OF MINES
OIL & GAS DIVISION

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

NOTICE OF ABATEMENT

Date: MARCA 18, 1984
Operator's: _____
Well Number: PISCANE 848
API Well No.: 47
State: _____ County: _____ Permit: _____

WELL TYPE: Oil / Gas _____
LOCATION: Underground / Shallow / Deep / Storage / Production / Gas
Elevation: _____
District: Washington County: Cabell
WELL OPERATOR: Stevens
DESIGNATED AGENT: Harold
Address: _____

Notice is hereby given that the undersigned authorized oil and gas inspector made a special inspection of the above named well on 3-19-84.
The violation of Code § 20-2-2 heretofore found to exist on MARCA 18, 1984, by Form IV-27, "Notice of Violation", 1 Form IV-28, "Imminent Danger Order", of that date has been totally abated. If the stated violation was found by an Imminent Danger Order requiring operations to cease, such requirement is hereby rescinded, and the well operator is hereby notified that he may resume operations.

COMMENTS

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

Oil and Gas Inspector: _____
Address: _____
Telephone: _____

05/17/2024

15' LATITUDE 38° 45'

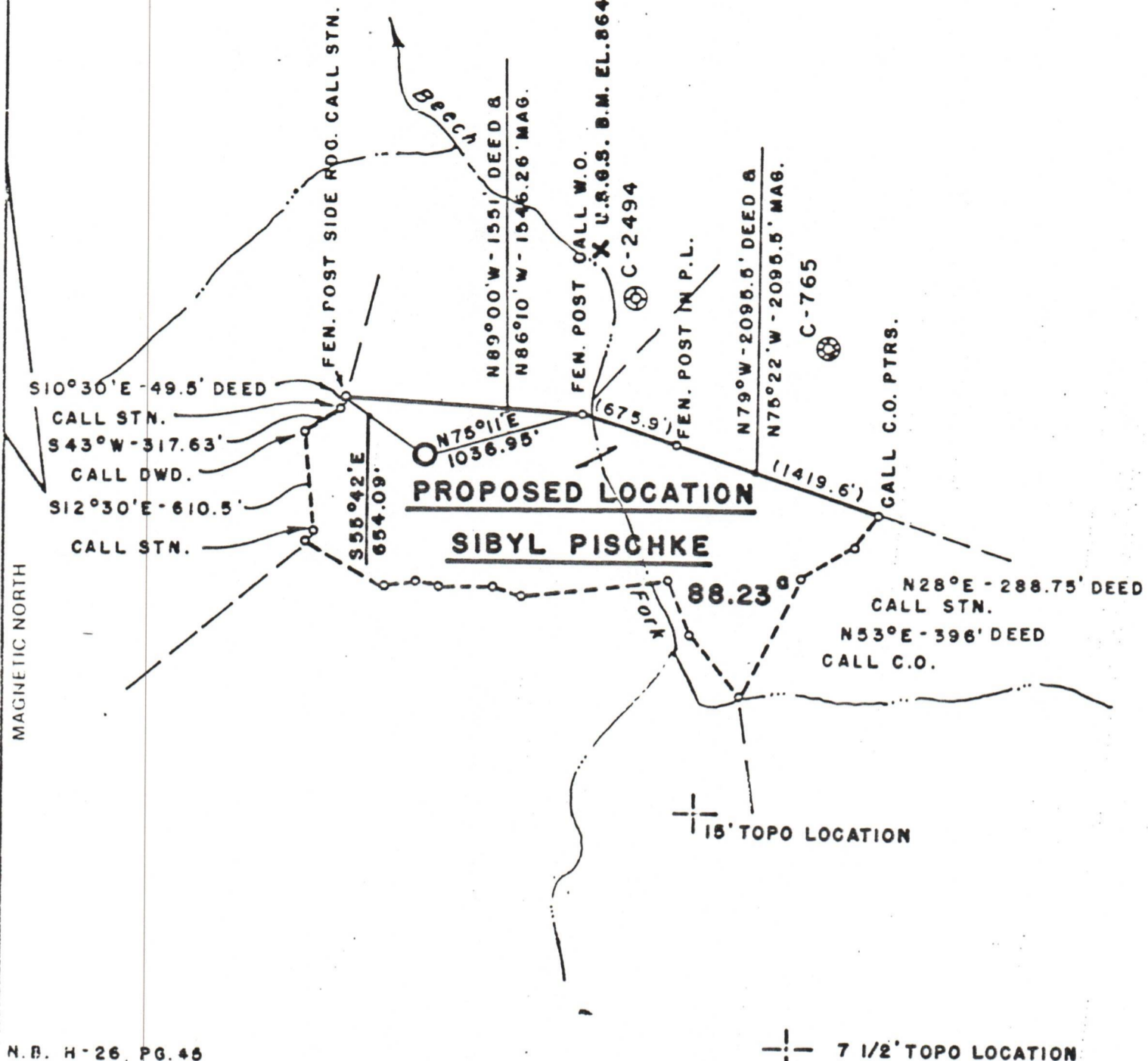
3150

7 1/2' LATITUDE 38° 42' 30"

MAGNETIC NORTH

7 1/2' LONGITUDE 81° 07' 30"

15' LONGITUDE 81° 05'



N.B. H-26, PG. 45

FILE NO 045-045 NO. 1
 MAP NO 74-A
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION U.S.G.S. B.M.
 SHOWN EL. 864'

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) Harry L. Berger, Jr.
 HARRY L. BERGER, JR. L.L.S. 248



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



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE NOV. 15, 19 83
 OPERATOR'S WELL NO. 868
 API WELL NO. 47-013-3679
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS.") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION ELEVATION 1024.45' WATER SHED BEECH FORK
 DISTRICT WASHINGTON COUNTY CALHOUN
 QUADRANGLE 7 1/2' TARIFF (OTTER N.W.)
 SURFACE OWNER SIBYL PISCHKE ACREAGE 88.23
 OIL & GAS ROYALTY OWNER SIBYL PISCHKE LEASE ACREAGE 88.23
 LEASE NO. 045-045

05/17/2024

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 BROWN SHALE ESTIMATED DEPTH 5350'
 OPERATOR STERLING DRILLING & PRODUCTION CO. INC. AGENT HARRY L. BERGER
 ADDRESS 360 MADISON AVE. - 5TH FLOOR ADDRESS 710 VIRGINIA ST. E.



IV-9
(Rev 8-81)

DATE 11-28-83

WELL NO. Pischke # 868

State of West Virginia

API NO. 47-013-3679

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Sterling Drilling & Prod. Co WELL OPERATOR Sterling Drilling & Pr
Address 360 Madison Ave.- NY, NY 10017 Address c/o H.L. Berger - Chars., WV
Telephone (212) 949-9100 Telephone (304) 342-0121

LANDOWNER Sibyl Pischke SOIL CONS. DISTRICT Little Kanawha SCD
Revegetation to be carried out by Sterling Drilling & Prod. Co.-H.L. Berger (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 11-30-83
(Date)

Jarrett Newton
(SCD Agent)

ACCESS ROAD		LOCATION
Structure <u>Culverts</u>	(A)	Structure <u>Diversion Ditch</u> (1)
Spacing <u>Side Rd."</u>		Material <u>Earthen</u>
Page Ref. Manual <u>2-8</u>		Page Ref. Manual <u>2-12</u>
Structure <u>Drainage Ditches</u>	(B)	Structure <u>Rip-Rap</u> (2)
Spacing <u>Road side</u>		Material <u>Rock</u>
Page Ref. Manual <u>2-12</u>		Page Ref. Manual <u>2-9</u>
Structure <u>Cross Ditches</u>	(C)	Structure _____ (3)
Spacing <u>100' spacing .. 6-8% grade</u>		Material _____
Page Ref. Manual <u>2-4</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.

REVEGETATION

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 40 lbs/acre
Ladino Clover 4 lbs/acre
lbs/acre

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 40 lbs/acre
Ladino Clover 4 lbs/acre
lbs/acre

05/17/2024

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

Moore's Well Services, Inc.

PLAN PREPARED BY Richard X. 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.

IV-9 REVERSE
(REV 8-81)

INVOLVED TOPOGRAPHIC MAP
QUADRANGLE 7 1/2' Tariff
Otter NW

Well Site _____
Access Road _____



05/17/2024

) "

RECEIVED
MAR 20 1984

Date: MARCH 18, 1984
Operator's
Well Number PISCHE 868
API Well No.: 47 - 13 - 3679
State County Permit

**OIL & GAS DIVISION
DEPT. OF MINES**

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

NOTICE OF ABATEMENT

WELL TYPE: Oil _____ / Gas _____ / Liquid Injection _____ / Waste disposal _____ /
Underground
If "Gas" - Production _____ / Storage _____ / Deep _____ / Shallow _____ /
LOCATION: Elevation: _____ Watershed: BEDCH
District: WASHINGTON County: CALHOUN Quadrangle: _____
WELL OPERATOR STERLING DESIGNATED AGENT HARRY BERGER
Address _____ Address 710 VIRGINIA ST. C
CHARLESTON WV 25301

Notice is hereby given that the undersigned authorized oil and gas inspector made a special inspection of the above named well on 3-18, 19 84,

The violation of Code § REGULATION 2306 heretofore found to exist on MARCH 17, 19 84, by Form IV-27, "Notice of Violation" ✓ / Form IV-28, "Imminent Danger Order" _____ / of that date has been totally abated. If the abated violation was found by an Imminent Danger Order requiring operations to cease, such requirement is hereby rescinded, and the well operator is hereby notified that he may resume operations.

COMMENTS

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

O. W. Moore
Oil and Gas Inspector
Address Sand Ridge Wv 25274
Telephone 655-7398



RECEIVED

SEP 1 1 1984

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
August 23, 1984

COMPANY Sterling Drilling & Production PERMIT NO 013-3679 (12-15-83)
710 Virginia Street, East FARM & WELL NO Sibyl Pischke #868
Charleston, West Virginia 25301 DIST. & COUNTY Washington/Calhoun

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

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

SIGNED Dw Mace
DATE 9-4-84

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.

T. H. v. B.
Administrator-Oil & Gas Division
October 9, 1984

TMS/chm

DATE

05/17/2024



DATE 11-28-83

WELL NO. Pischke # 868

State of West Virginia
Department of Mines
Oil and Gas Division

API NO. 47-013-3679

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Sterling Drilling & Prod. Co WELL OPERATOR Sterling Drilling & Pr
Address 360 Madison Ave.- NY, NY 10017 Address c/o H.L.Berger - Chars., WV
Telephone (212) 949-9100 Telephone (304) 342-0121

LANDOWNER Sibyl Pischke SOIL CONS. DISTRICT Little Kanawha SCD
Revegetation to be carried out by Sterling Drilling & Prod. Co.-H.L.Berger (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 11-30-83 (Date)

Jarrett Newton
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Converts
Spacing Side Rd.
Page Ref. Manual 2-8

(A)

Structure Diversion Ditch (1)
Material Earthen
Page Ref. Manual 2-12

Structure Drainage Ditches
Spacing Road side
Page Ref. Manual 2-12

(B)

Structure Rip-Rap (2)
Material Rock
Page Ref. Manual 2-9

Structure Cross Ditches
Spacing 100' spacing .. 6-8 1/2 grade
Page Ref. Manual 2-4

(C)

Structure _____ (3)
Material _____
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.

REVEGETATION

Treatment Area I

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 40 lbs/acre
Ladino Clover 4 lbs/acre
lbs/acre

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 40 lbs/acre
Ladino Clover 4 lbs/acre
lbs/acre

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

05/17/2024

Moore's Well Services, Inc.

PLAN PREPARED BY Richard X. Campbell

ADDRESS Route 1 Box 30

Duck, WV 25063

PHONE NO. (304) 364-5780

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