



1) Date: August 6, 19 84  
 2) Operator's Well No. Stutler #986  
 3) API Well No. 47 - 013 - 3761  
 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  /  
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow  /  
 5) LOCATION: Elevation: 778.25' Watershed: Little Creek (LKWJ)  
 District: Lee 2 County: Calhoun Quadrangle: 7.5' Annamoriah 212  
 6) WELL OPERATOR Sterling Drilling & Prod. Co., Inc. DESIGNATED AGENT Harry L. Berger, Jr.  
 Address 220 E. 42nd St. - 33rd Floor 47550 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 UNKNOWN AT THIS TIME  
 Address \_\_\_\_\_  
 10) PROPOSED WELL WORK: Drill  / 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, 5225 feet  
 13) Approximate strata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.  
 14) Approximate coal seam depths: 0 Is coal being mined in the area? Yes  No

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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	NEAT
Coal									Sizes
Intermediate	7"	J-55	20#	X		1940'	1940'	100 sks	
Production	4 1/2	ERW	10.5#	X			5225'	250 sks	Depths set
Tubing								or as required by rule	
Liners									Perforations: 1 15.01
									Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47 - 013 - 3761 Date August 8 19 84

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 August 8, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: 148 BLANKET	Agent: Is	Plat: MK	Casing: MH	Fee: 7372
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Margaret J. Hassel  
 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

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OIL & GAS DIVISION

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:

12/08/2023



IV-9  
(Rev 8-81)

DATE 7-25-84

WELL NO. Stutler # 986 Rev

State of West Virginia API NO. 47 - 013 - 3761

Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Sterling Drilling & Prod. CODESIGNATED AGENT Sterling Drilling & Prod.

Address 360 Madison Ave.-NY, NY 10017 Address c/o H.L.Berger - Chas., WV

Telephone (212) 682-0204 Telephone (304) 342-0121

LANDOWNER William & Jessie Stutler SOIL CONS. DISTRICT Little Kanawha

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: 7-30-84

(Date)

Garrett Newton  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Culvert (A)

Structure Diversion Ditch (1)

Size 24"

Material Earthen

Page Ref. Manual 2-8 Table 3

Page Ref. Manual 2-12

Structure Drainage Ditches (B)

Structure Rip-Rap (2)

Location Roadside

Material Rock

Page Ref. Manual 2-12

Page Ref. Manual 2-9

Structure Cross Drains .. 1/6" pipe (C)

Structure **RECEIVED**

Spacing 300' for 2-5%

Material \_\_\_\_\_

Page Ref. Manual 2-8 Table 4

Page Ref. Manual \_\_\_\_\_

AUG - 7 1984

OIL & GAS DIVISION

DEPT. OF MINES

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

Lime 2 Tons/acre  
or correct to pH 6.5

Fertilizer 500 lbs/acre  
(10-20-20 or equivalent)

Fertilizer 500 lbs/acre  
(10-20-20 or equivalent)

Mulch Hay or Straw 2 Tons/acre

Mulch Hay or Straw 2 Tons/acre

Seed\* Ky-31 40 lbs/acre

Seed\* Ky-31 40 lbs/acre

Ladino Clover 4 lbs/acre

Ladino Clover 4 lbs/acre

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

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

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

12/08/2023

PLAN PREPARED BY Richard A. Campbell

ADDRESS Route 1, Box 30

Duck, WV 25063

PHONE NO. (304) 364-5780

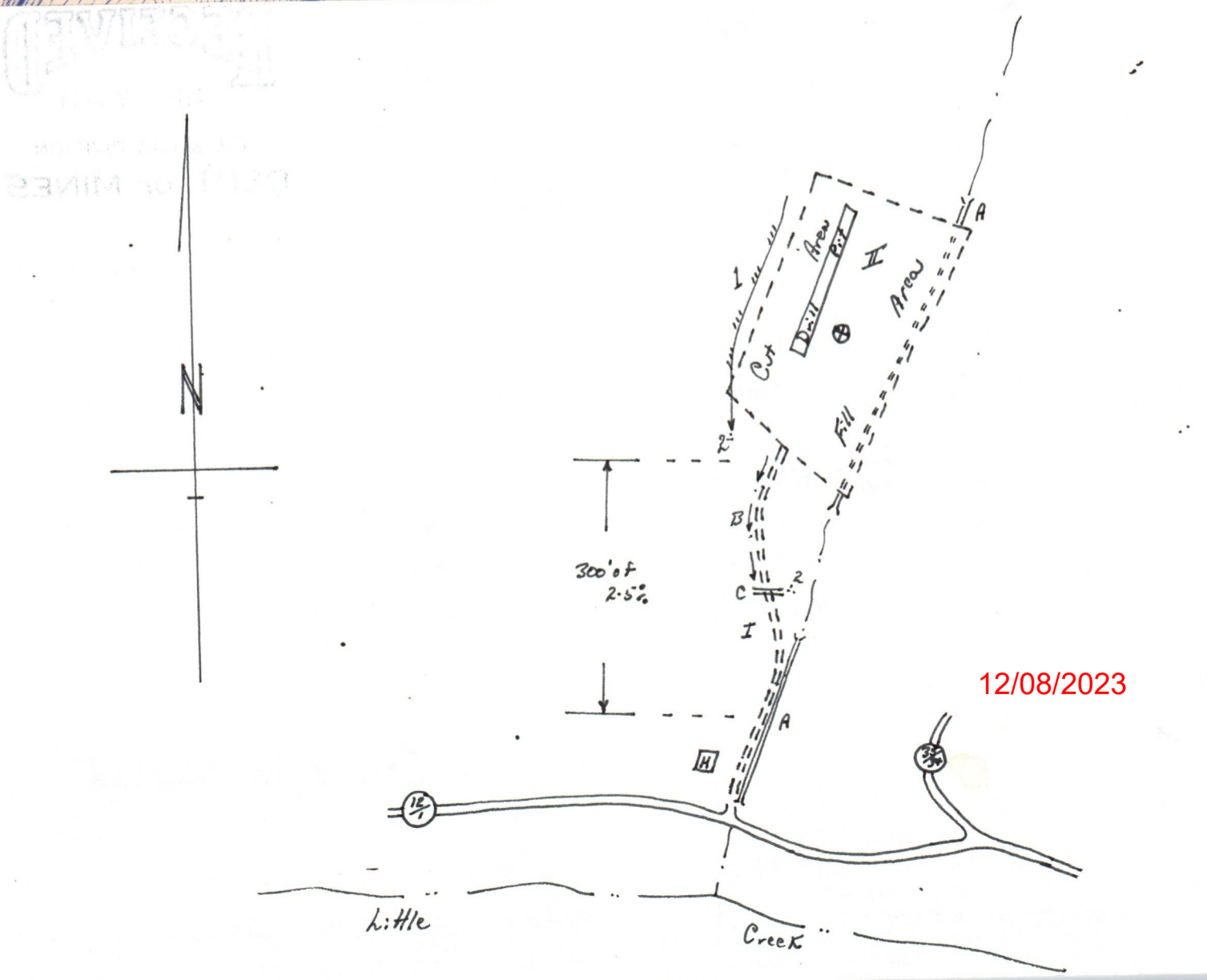
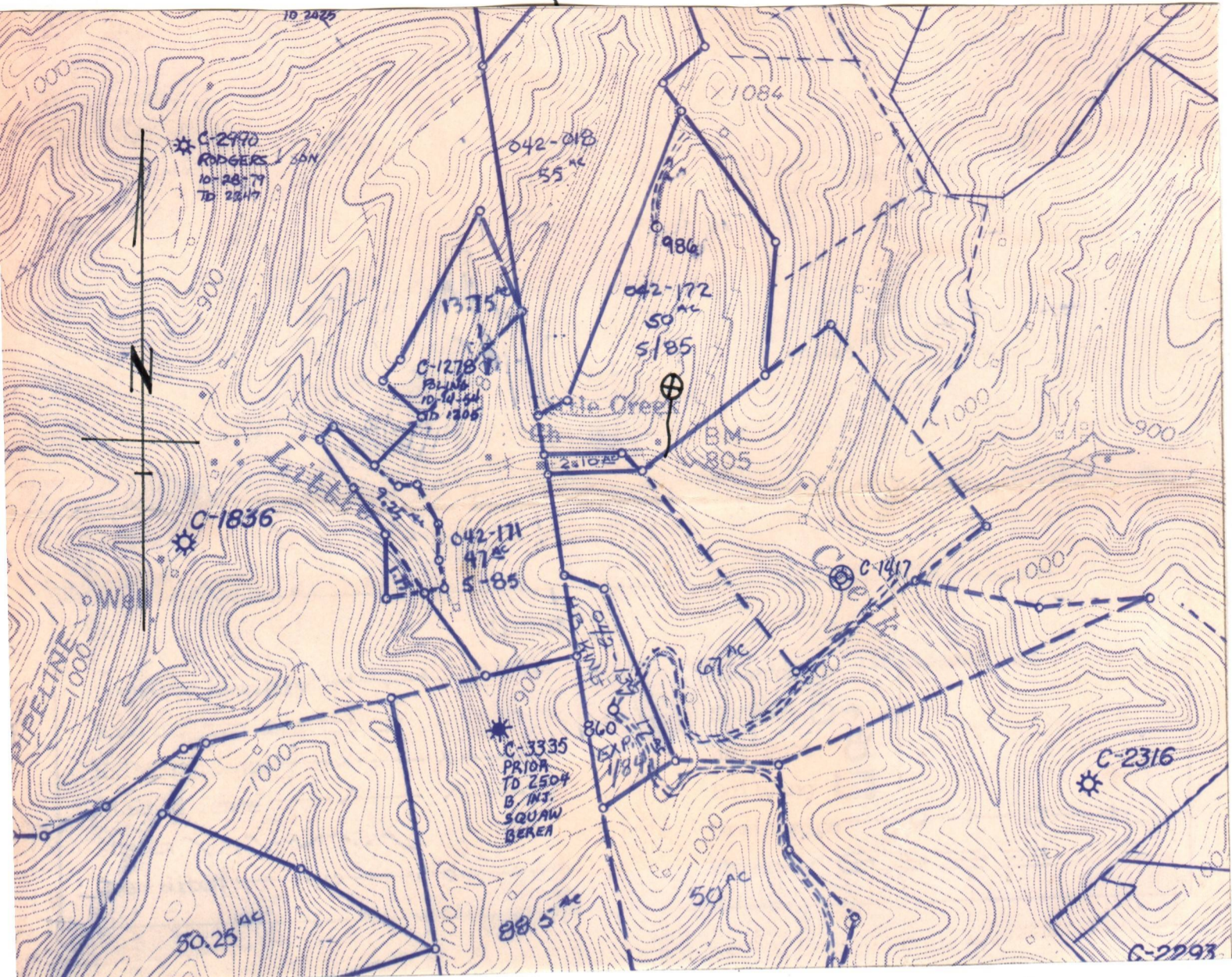
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

IV-9 REVERSE  
(FEV 8-81)

INVOLVED TOPOGRAPHIC MAP  
QUADRANGLE 7 1/2' Annamoriah  
Arnoldsburg NW

LEGEND

Well Site	⊕
Access Road	—



12/08/2023

1) Date: August 6, 19 84  
2) Operator's Well No. 986  
3) API Well No. 47 - 013 - 3761  
State County Permit

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 William Stutler  
Address General Delivery  
Creston, W.V. 26141

(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_

(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

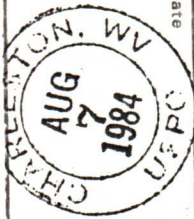
5(i) COAL OPERATOR UNOPERATED  
Address \_\_\_\_\_

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

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

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

PS Form 3800, Feb. 1982

Postmark or Date	TOTAL Postage and Fees	Return Receipt Showing to whom and Date Delivered	Restricted Delivery Fee	Special Delivery Fee	Certified Fee	Postage	P.O., State and ZIP Code	Street and No.	Sent to
	\$					\$	<u>CRESTON, W.V. 26141</u>	<u>GENERAL DELIVERY</u>	<u>WILLIAM STUTLER</u>

NO POSTAGE NECESSARY IF MAILED IN THE UNITED STATES  
RECEIVED FOR CERTIFIED MAIL  
DOCUMENTS:  
well is work, ing and  
only to or  
APPLICATION LICATION NY  
l op- ments inia lication, and the delivered or

**RECEIVED**  
AUG - 7 1984

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 **XX**

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 August, 19 84.  
My commission expires May 10, 19 89.

David M. Gillespie  
Notary Public, Kanawha County,  
State of West Virginia

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

12/08/2023

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>
William Stutler General Delivery Creston, W.V. 26141	Sterling Drilling and Production Co., Inc.	1/8	036/48

Gladys Campbell



1) Date: August 6, 19 84  
 2) Operator's Well No. Stutler #986  
 3) API Well No. 47 013 3761  
 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: 778.25' Watershed: Little Creek  
 District: Lee County: Calhoun Quadrangle: 7.5' Annamoriah
- 6) WELL OPERATOR Sterling Drilling & Prod. Co., Inc. 7) DESIGNATED AGENT Harry L. Berger, Jr.  
 Address 220 E. 42nd St. - 33rd 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 Pt. 1 Box 5  
Sandridge, W.V. 25274
- 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, 5225 feet
- 13) Approximate strata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.
- 14) Approximate coal seam depths: \_\_\_\_\_ 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	Depths set
Conductor										
Fresh water	9 5/8	LS	33#	X		250'	250'	To Surface		
Coal									Sizes	
Intermediate	7"	J-55	20#	X		1940'	1940'	100 sks		
Production	4 1/2	ERV	10.5#	X			5225'	250 sks	Depths set	
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: \_\_\_\_\_  
 By \_\_\_\_\_  
 Its \_\_\_\_\_ Date \_\_\_\_\_

X William Stutler Date: 8-7-84  
 (Signature)  
Jessie Stutler Date: 8-7-84  
 (Signature)

**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.





IV-35  
(Rev 8-81)

RECEIVED  
NOV 28 1984

OIL & GAS DIVISION  
DEPT. OF MINES

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date Nov. 16, 1984  
Operator's  
Well No. 986  
Farm William Stutler  
API No. 47 - 013 - 3761

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 778.25 Watershed Little Creek  
District: Lee County Calhoun Quadrangle 7 1/2' Annamoriah

COMPANY Sterling Drilling & Production Co., Inc.

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

DESIGNATED AGENT Harry L. Berger, Jr.

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

SURFACE OWNER William & Jessie Stutler

ADDRESS Ben. Del., Creston, WV 26141

MINERAL RIGHTS OWNER William Stutler

ADDRESS Same

OIL AND GAS INSPECTOR FOR THIS WORK Deo

Mace ADDRESS Rt 1, Bx 5, Sandridge, WV 25274

PERMIT ISSUED 8/8/84

DRILLING COMMENCED 9/18/84

DRILLING COMPLETED 9/23/84

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	282'	282'	to surface
8 5/8			
7	1927'	1927'	175 sx
5 1/2		4772'	270 sx
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5225 feet

Depth of completed well 4815 feet Rotary  / Cable Tools \_\_\_\_\_

Water strata depth: Fresh 50', 214 feet; Salt 1550 feet

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

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 2218'-4700' feet

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

Final open flow 933 Mcf/d Final open flow 5 Bbl/d

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

Static rock pressure 1000 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

12/08/2023

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

Perforations: 81 holes 2218' - 4700'  
 Treatment: 2250 gal 15% HCL, 4245 MSCF N<sub>2</sub>

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sandstone and Shale			0	1220	all measurements 10' KB
Salt Sand			1220	1279	
Sand and Shale			1279	1525	
Salt Sand			1525	1610	
Shale			1610	1627	
Maxon			1627	1642	
Little Lime and Shale			1642	1675	
Pencil Cave			1675	1680	
Big Lime			1680	1783	
Big Injun			1783	1825	
Siltstone and Shale			1825	2182	
Sunbury Shale			2182	2192	
Berea			2192	2198	
Sandy Siltstone and Shale			2198	2543	
Gordon			2543	2549	
Grey Siltstone and Shale			2549	4815	TD 4815' KB

(Attach separate sheets as necessary)

Sterling Drilling and Production Co., Inc.  
 Well Operator  
 By: Harry J. Berger 12/08/2023  
 Date: 11-20-84

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 coal, encountered in the drilling of a well."

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

RECEIVED

SEP 25 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES  
Oil or Gas Well  
(KIND)

Permit No. 13-3761

Company Sterling  
 Address \_\_\_\_\_  
 Farm Stutler  
 Well No. 986  
 District Lee County Cal  
 Drilling commenced 9-18-84  
 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 3/8			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 Hunt 7

Remarks: 282' of 9 5/8" casing, 130 SKS cement, Dowell, 9-19-84

9.19.84

DATE

W. Co. M. M. 12/08/2023

DISTRICT WELL INSPECTOR



RECEIVED  
DEPT. OF ENERGY  
OIL AND GAS



APR 15 1986

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

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
November 30, 1984

8-8-84

COMPANY Sterling Drilling & Prod. Co.  
710 Virginia Street, East  
Charleston, West Virginia 25301

PERMIT NO 013-3761  
FARM & WELL NO William Stutler #986  
DIST. & COUNTY Lee/Calhoun

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	_____	_____
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 D. Mace  
DATE 4-12-86

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. ...  
Administrator-Oil & Gas Division

April 21, 1986  
DATE

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

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 - 013 - 3761																		
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	<table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">107</td> <td style="text-align: center;">_____</td> </tr> <tr> <td style="text-align: center;">Section of NGPA</td> <td style="text-align: center;">Category Code</td> </tr> </table>	107	_____	Section of NGPA	Category Code														
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.)	4815 feet																		
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<table style="width:100%;"> <tr> <td colspan="2">Sterling Drilling and Production Co. Inc.</td> <td style="text-align: right;">018084</td> </tr> <tr> <td>Name</td> <td colspan="2" style="text-align: right;">Seller Code</td> </tr> <tr> <td colspan="3">710 Virginia St. East, Arcade Building</td> </tr> <tr> <td>Street</td> <td colspan="2"></td> </tr> <tr> <td colspan="3">Charleston,, WV 25301</td> </tr> <tr> <td>City</td> <td style="text-align: center;">State</td> <td style="text-align: center;">Zip Code</td> </tr> </table>	Sterling Drilling and Production Co. Inc.		018084	Name	Seller Code		710 Virginia St. East, Arcade Building			Street			Charleston,, WV 25301			City	State	Zip Code
Sterling Drilling and Production Co. Inc.		018084																	
Name	Seller Code																		
710 Virginia St. East, Arcade Building																			
Street																			
Charleston,, WV 25301																			
City	State	Zip Code																	
5.0 Location of this well: (Complete (a) or (b).)	Lee District																		
(a) For onshore wells (35 letters maximum for field name.)	<table style="width:100%;"> <tr> <td>Field Name</td> <td colspan="2">Calhoun</td> </tr> <tr> <td>County</td> <td style="text-align: center;">State</td> <td style="text-align: center;">WV</td> </tr> </table>	Field Name	Calhoun		County	State	WV												
Field Name	Calhoun																		
County	State	WV																	
(b) For OCS wells:	<table style="width:100%;"> <tr> <td>Area Name</td> <td style="text-align: right;">Block Number</td> </tr> <tr> <td colspan="2" style="text-align: center;">Date of Lease:</td> </tr> <tr> <td style="text-align: center;"> <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> </tr> <tr> <td style="text-align: center; font-size: 8px;">Mo.</td> <td style="text-align: center; font-size: 8px;">Day</td> <td style="text-align: center; font-size: 8px;">Yr.</td> <td colspan="3"></td> </tr> </table> </td> <td style="text-align: center;">OCS Lease Number</td> </tr> </table>	Area Name	Block Number	Date of Lease:		<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> </tr> <tr> <td style="text-align: center; font-size: 8px;">Mo.</td> <td style="text-align: center; font-size: 8px;">Day</td> <td style="text-align: center; font-size: 8px;">Yr.</td> <td colspan="3"></td> </tr> </table>							Mo.	Day	Yr.				OCS Lease Number
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Mo.	Day	Yr.																	
(c) Name and identification number of this well: (35 letters and digits maximum.)	Stutler #986																		
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	_____																		
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	<table style="width:100%;"> <tr> <td style="text-align: center;">UNDEDICATED</td> <td style="text-align: right;">Buyer Code</td> </tr> <tr> <td>Name</td> <td></td> </tr> </table>	UNDEDICATED	Buyer Code	Name															
UNDEDICATED	Buyer Code																		
Name																			
(b) Date of the contract:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> </tr> <tr> <td style="text-align: center; font-size: 8px;">Mo.</td> <td style="text-align: center; font-size: 8px;">Day</td> <td style="text-align: center; font-size: 8px;">Yr.</td> <td colspan="3"></td> </tr> </table>							Mo.	Day	Yr.									
Mo.	Day	Yr.																	
(c) Estimated total annual production from the well:	27.9 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	5 . 8 8 4	- . - . -	- . - . -	- . - . -
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	5 . 8 8 4	- . - . -	- . - . -	- . - . -

9.0 Person responsible for this application:	<table style="width:100%;"> <tr> <td style="text-align: center;">Harry L. Berger, Jr.</td> <td style="text-align: right;">Designated Agent</td> </tr> <tr> <td>Name</td> <td style="text-align: right;">Title</td> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td colspan="2" style="text-align: center;">Signature</td> </tr> <tr> <td colspan="2" style="text-align: center;">Nov. 19, 1984</td> </tr> <tr> <td colspan="2" style="text-align: center;">Date Application is Completed</td> </tr> </table>	Harry L. Berger, Jr.	Designated Agent	Name	Title			Signature		Nov. 19, 1984		Date Application is Completed		<table style="width:100%;"> <tr> <td style="text-align: center;">12/08/2023</td> </tr> <tr> <td style="text-align: center;">304-342-0121</td> </tr> <tr> <td style="text-align: center;">Phone Number</td> </tr> </table>	12/08/2023	304-342-0121	Phone Number
Harry L. Berger, Jr.	Designated Agent																
Name	Title																
Signature																	
Nov. 19, 1984																	
Date Application is Completed																	
12/08/2023																	
304-342-0121																	
Phone Number																	

Agency Use Only
Date Received by Juris. Agency
NOV 28 1984
Date Received by FERC

DEC 14 1984

DEPARTMENT OF MINES, OIL AND GAS DIVISION

47-013-3761

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: Nov. 19, 19 84

AGENCY USE ONLY

Applicant's Name: Sterling Drilling & Production Co., Inc.  
Address: 710 Virginia Street, E. Arcade Bldg  
Charleston, WV 25301

WELL DETERMINATION FILE NUMBER

841128 -107-013-3761

Use Above File Number on all  
Communications Relating to This Well

Gas Purchaser Contract No. \_\_\_\_\_  
Date of Contract \_\_\_\_\_  
(Month, day and year)

SDP# 986

First Purchaser: UNDEDICATED

Designated Agent: Harry L. Berger, Jr.

Address: \_\_\_\_\_  
(Street or P.O. Box)  
(City) (State) (Zip Code)

Address: Sterling Drilling & Prod. Co., I  
710 Virginia St., E. Arcade Bldg  
Charleston, WV 25301

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. Agent  
(Print) \_\_\_\_\_ (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
- 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

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

AGENCY USE ONLY

12/08/2023

QUALIFIED

RECEIVED

NOV 28 1984

OIL & GAS DIV.  
DEPT. OF MINES

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

Operator: Stetson Drilling and Production Co., Inc. Agent: H.L. Berger

Type Determination being sought - 107 (Devonian Shale)

API Well No.: 47-013-3761 Well Name: Stotler # 986

West Virginia Office of Oil and Gas County: Callahan

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 = 175 \* API Units
2. Remarks:

*Gamma Ray Scale = 0 → 200 API Units*

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

1. GR Value = ~~175~~<sup>175</sup> \* API Units
2. Calculation:  $0.7 \text{ (GR Value at Base Line)}$   
 $0.7 \text{ (175*)} = \underline{123} \text{ API Units}$

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***		
2198'	4804'		

Total Devonian Interval 2606'

Total Less Than 0.7 (Shale Base)

76'

% Less Than 0.7 (Shale Base Line) =  $\frac{0.029}{2606} \times 100 = \underline{2.9} \%$  12/08/2023

\*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.



DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's  
Well No. Stutler #986

API Well No.

47 - 013 - 3761  
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 778.25

WELL OPERATOR Sterling Drilling & Production Co Watershed Little Creek

ADDRESS 710 Virginia Street, East Dist. Lee County Calhoun Quad. 7½' Anamorh  
Charleston, WV 25301

Gas Purchase  
Contract No. \_\_\_\_\_

GAS PURCHASER UNDEDICATED

Meter Chart Code \_\_\_\_\_

ADDRESS \_\_\_\_\_

Date of Contract \_\_\_\_\_

\* \* \* \* \*

Date surface drilling began: 9/18/84

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

Bottom Hole Pressure. PSIA -- Pf = Pwe XLGS

$$t = 60 + (0.0075 \times 4815) + 459.67 = 556 \cdot X = \frac{1}{53.34} \times 556 = .0000337$$

$$Pf = 1000 \times 2.7183 \cdot 0.0000337 \times 3459 \times .690 \times 1.07 = 1090 \text{ PSIA}$$

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)(i) or (3)(ii)(A) has been filed, or as indicated by the report described in subparagraph (3)(ii)(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

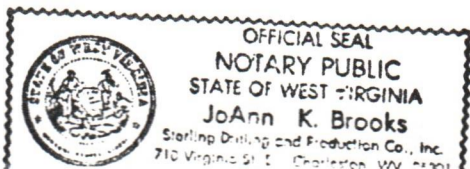
COUNTY OF Kanawha, TO-WIT:

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 19th day of November, 1984, 12/08/2023 acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 19th day of November, 1984.

My term of office expires on the 27 day of October, 1991.

(NOTARIAL SEAL)



JoAnn K. Brooks  
Notary Public

15' LATITUDE 39°00'

7 1/2' LATITUDE 38°57'30"

REFERENCE POINTS

PROPOSED LOCATION TO:

3' STK. SET - N33°40'W - 145.25'  
3' STK. SET - N19°41'E - 211.93'

C-1221 \* C-1573 \*  
C-1263 \*

C-2505 \*  
C-1519 ⊕

C-2990 \*

TOP KNOB EL. 1084'  
\* MACK STUTLER  
S32°E - 1039.5' DEED

N22°00'E - 2062.5' DEED &  
N30°27'E - 2187.6' MAG.

MABLE STUTLER HRS  
C-1278 ⊕

CALL STK.

G.O. (DOWN) CALL G.O.  
N65°E - 198' DEED  
CALL STN.  
N11°W - 305.25' DEED  
CALL W.O.

48  
S87°19'W  
917.43'

WILLIAM STUTLER, ET. AL.

PROPOSED LOCATION

H. C. COOPER HRS.

C-2393 ⊕

C-3335 \*

860  
\* C-3677

C-1417 ⊕

Creek

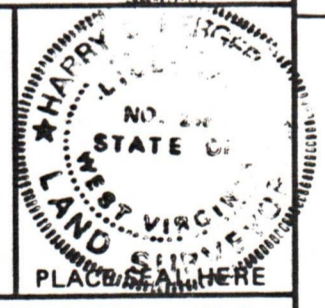
C-2316 \*

7 1/2' TOPO LOCATION

N.B. H-26, PG. 68 & H-29, PG. 33

FILE NO. 042-172 NO.1  
MAP NO. 58-A  
SCALE 1" = 1000'  
MINIMUM DEGREE OF ACCURACY 1:200  
PROVEN SOURCE OF ELEVATION U.S.G.S. DATA TOP KNOB SHOWN EL. 1084'

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)



DATE JULY 25, 1984  
OPERATOR'S WELL NO. 986  
API WELL NO. 47-013-3761  
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
LOCATION: ELEVATION 778.25' WATER SHED LITTLE CREEK  
DISTRICT LEE COUNTY CALHOUN  
QUADRANGLE 7 1/2' ANNAMORIAN (ARNOLDSBURG N.W.)  
SURFACE OWNER WILLIAM & JESSIE STUTLER ACREAGE 47 OF 144  
OIL & GAS ROYALTY OWNER WILLIAM STUTLER, ET. AL. LEASE ACREAGE 48 LEASE NO. 042-172 12/08/2023

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 BROWN SHALE ESTIMATED DEPTH 5225'  
OPERATOR STERLING DRILLING & PRODUCTION CO. INC. AGENT HARRY L. BERGER  
ADDRESS 360 MADISON AVE. - 5TH FLOOR ADDRESS 710 VIRGINIA ST., E.  
NEW YORK, N.Y. 10017 CHARLESTON, WV 25301

7 1/2' LONGITUDE 61°12'30"  
15' LONGITUDE 61°10'  
14,850'