

FILE COPY



1) Date: August 29, 1984
 2) Operator's Well No. STUTLER #999
 3) API Well No. 47 - 013 - 3808
 State County Permit

3808

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: 743.28' Watershed: Little Creek LKWI
 District: Lee County: Calhoun Quadrangle: 7.5' Annamoraich
 6) WELL OPERATOR Sterling Drilling & Prod. Co., Inc 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 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, 5150 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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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	<u>NEAT</u>
Coal									Sizes
Intermediate	7"	J-55	20#	X		1900'	1900'	100 sks	
Production	4 1/2	ERW	10.5#	X			5150'	250 sks	Depths set
Tubing									<u>or as required by rule</u>
Liners									Perforations: <u>15.0'</u>
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-013-3808

October 22, 19 84
Date

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 22, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>148</u>	Agent: <u>[Signature]</u>	Plat: <u>MW</u>	Casing: <u>MW</u>	Fee: <u>7744</u>
BLANKET				

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 (1) "Gas", Production, Underground storage, Shallow, Deep, _____
 Elevation: _____
 District: _____
 County: _____
 Watershed: _____
 2) WELL OPERATOR: _____
 Address: _____
 Designated Agent: _____
 Address: _____
 3) OIL & GAS INSPECTOR TO BE NOTIFIED: _____
 Name: _____
 Address: _____
 4) PROPOSED WELL WORK: Drill, deeper, Redrill, Stimulate, Plug off old formation, Formate 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
 Is coal being mined in the area? Yes _____

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 OIL & GAS DIVISION

CASING OR TUBING TYPE	Size	Grade	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
			Weight per ft.	Use	For drilling	Left in well		
Conductor	9 5/8	LS	35	X	250'	250'		Kind
Fresh water	9 5/8	LS	35	X	250'	250'		NEAT
Coal	7 7/8	LS	28	X	1000'	1000'		Size
Intermediate	7 7/8	LS	28	X	1000'	1000'		Depth
Production	7 7/8	LS	28	X	1000'	1000'		Depth

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: _____	Plat: _____	Casing: _____	Fee: _____
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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.

10/06/2023

1) Date: August 29, 1984
2) Operator's Well No. 999
3) API Well No. 47-013-3808
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 C. Stutler
Address General Delivery
Creston, W.V. 26141
(ii) Name _____
Address _____
(iii) Name _____
Address _____

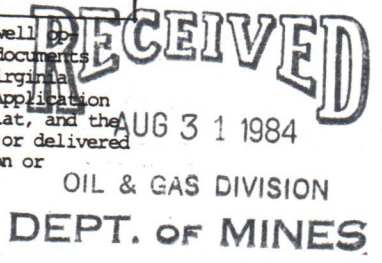
5(i) COAL OPERATOR UNOPERATED
Address _____
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name UNKNOWN
Address _____
Name _____
Address _____
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

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.



- 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 29 day of August, 1984.
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

10/06/2023

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.

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 C. Stutler General Delivery Creston, W.V. 26141	Sterling Drilling and Production Co., Inc.	1/8	085/415
Rosetta Thompson Ralph Stutler Arlie Stutler Earl Stutler Madalyn Lynch			

10/06/2023



IV-9
(Rev 8-81)

DATE 7-30-84

WELL NO. Stutler # 999

State of West Virginia API NO. 47 - 013 - 3808

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 Mabel Stutler Mrs. 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: 7-30-84

(Date)

Garrett Newton
(SCD Agent)

ACCESS ROAD

LOCATION

Structure _____ (A)

Size _____

Page Ref. Manual _____

Structure Drainage Ditches (B)

Location Roadside

Page Ref. Manual 2-12

Structure Cross Drains -- 16" pipe (C)

Spacing 400' for 2-5'

Page Ref. Manual R-P Table 4

Structure _____

Material _____

Page Ref. Manual _____

Structure Rip-Rap (2)

Material Rock

Page Ref. Manual 2-9

Structure _____ (3)

Material _____

Page Ref. Manual _____

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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

Lime 2 Tons/acre
or correct to pH 6.5

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

Mulch Hay or Straw 2 Tons/acre

Seed* Orchard grass 15 lbs/acre

Red Clover 8 lbs/acre

Alsike Clover 4 lbs/acre

Treatment Area II

Lime 2 Tons/acre
or correct to pH 6.5

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

Mulch Hay or Straw 2 Tons/acre

Seed* Orchard grass 15 lbs/acre

Red Clover 8 lbs/acre

Alsike Clover 4 lbs/acre

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

PLAN PREPARED BY Richard H. 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.

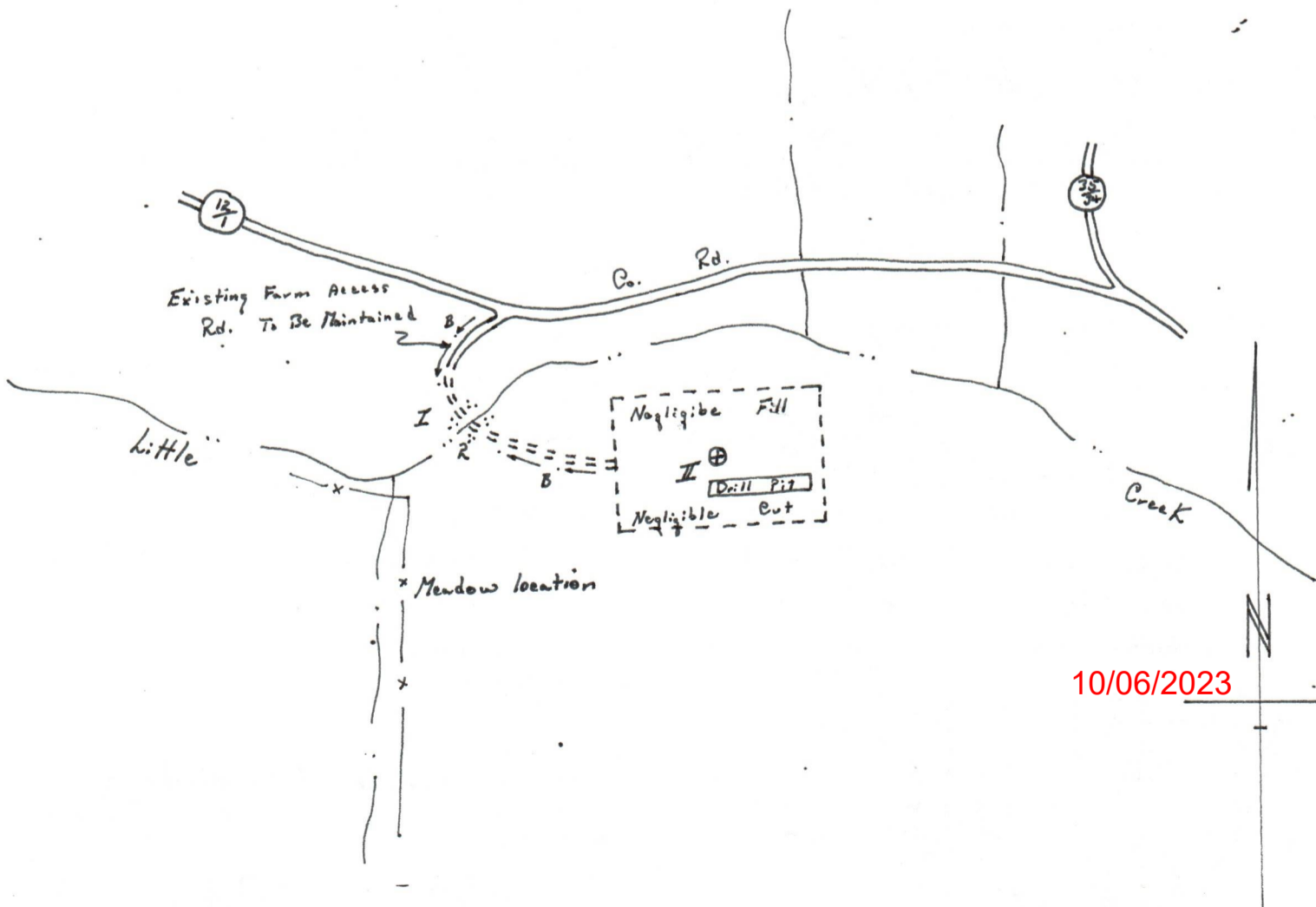
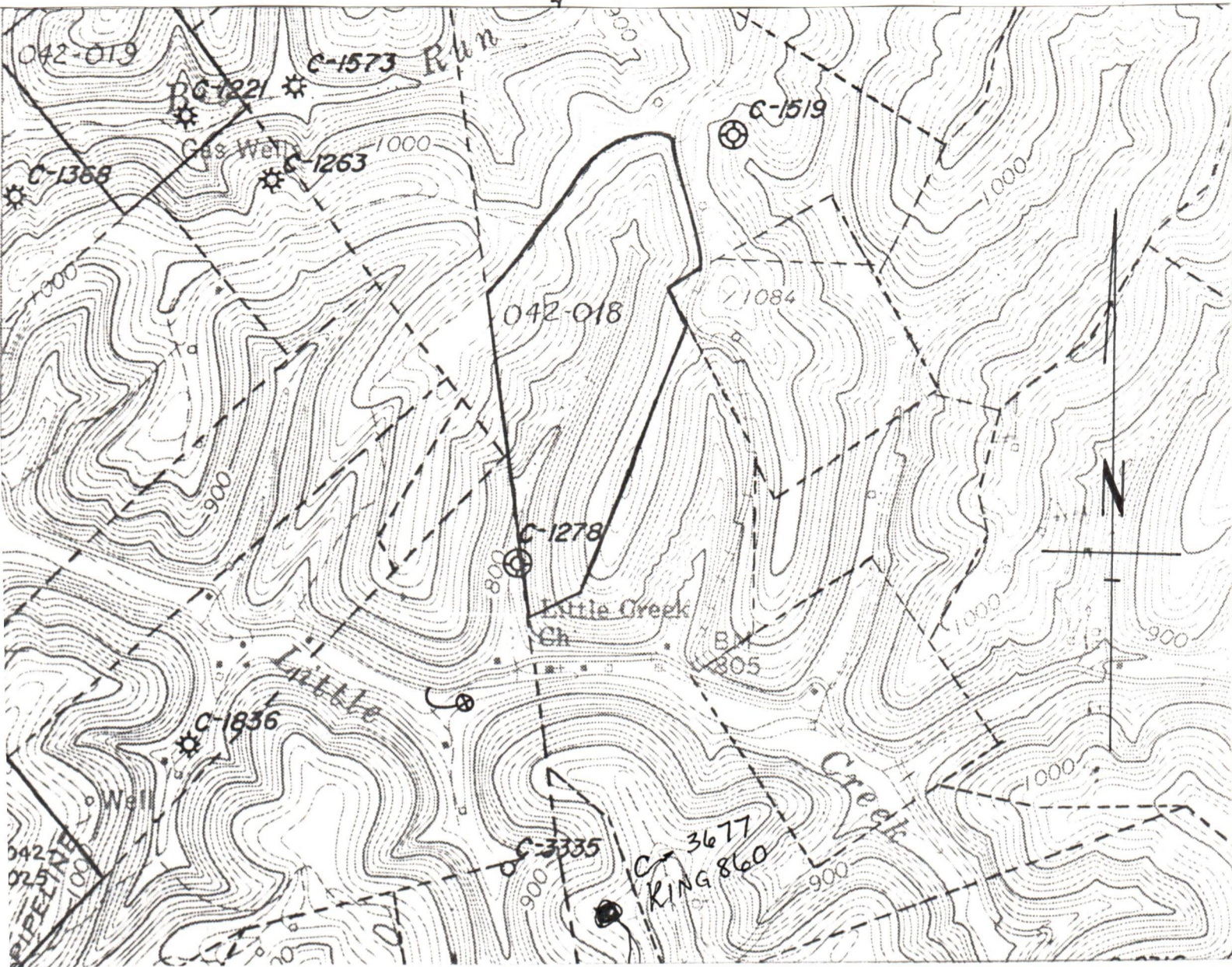
10/06/2023

IN-9 REVERSE
(REV 6-81)

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

LEGEND

Well Site 
Access Road 



10/06/2023

999

P 377 647 989

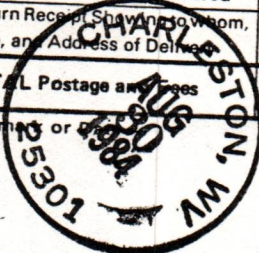
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
WILLIAM C. STUTLER	
Street and No.	
GENERAL DELIVERY	
P.O., State and ZIP Code	
CRESTON, W.V. 26141	
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	\$
Postage or Fees	

PS Form 3800, Feb. 1982



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OIL & GAS DIVISION
DEPT. OF MINES

RECEIVED

JUL 5 - 1985



IV-35 (Rev 8-81)

OIL & GAS DIVISION State of West Virginia DEPT. OF MINES Department of Mines Oil and Gas Division

Date July 2, 1985 Operator's Well No. 999 Farm Stutler API No. 47 - 013 - 3808

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: 743.28' Watershed Little Creek District: Lee County Calhoun Quadrangle 7.5' 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 C. Stutler

ADDRESS General Delivery, Creston, W. V. 26141

MINERAL RIGHTS OWNER William Stutler, et al

ADDRESS General Delivery, Creston, W. V. 26141

OIL AND GAS INSPECTOR FOR THIS WORK Deo

Mace ADDRESS Rt. 1 Box 5 Sandridge, W.V. 25274

PERMIT ISSUED October 22, 1984

DRILLING COMMENCED November 17, 1984

DRILLING COMPLETED November 28, 1984

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

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cond., 13-10", 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5150 feet

Depth of completed well 5200'KB feet Rotary x / Cable Tools

Water strata depth: Fresh not reported feet; Salt not reported feet

Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 3269'-4955' feet

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

Final open flow 492 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 32 hours

Static rock pressure 820 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 3808

10/06/2023

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

Perforations

1st Stage- 21 holes 4479'-4955'
 2nd Stage- 27 holes 3832'-4345'
 3rd Stage- 25 holes 3269'-3726'

Treatment

1st Stage- 750 gals. 15% HCl; 1,380 MSCF N₂
 2nd Stage- 750 gals. 15% HCl; 1,316 MSCF N₂
 3rd Stage- 650 gals. 15% HCl; 1,321 MSCF N₂

WELL LOG

Stutler #999

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	875	All Depths from 10'KB
Sandstone			875	946	
Shale			946	995	
Sandstone			995	1151	
Silty Shale			1151	1195	
Sandstone			1195	1228	
Sandstone and Shale			1228	1490	
Salt Sand			1490	1541	
Silty Shale			1541	1601	
Little Lime			1601	1631	
Pencil Cave			1631	1635	
Big Lime			1635	1774	
Big Injun			1774	1799	
Silty Shale			1799	2141	
Sunbury Shale			2141	2152	
Siltstone and Shale			2152	2590	
Shale			2590	4561	Top of Java formation @ 4331'
Siltstone			4561	4589	
Shale			4589	5200	Top of Rhinestreet Shale @ 4825'
Total Depth				5200	

(Attach separate sheets as necessary)

Sterling Drilling and Production Co., Inc. 10/06/2023
 Well Operator

By: Harry S. Berger Jr

Date: 7-12-85

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

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION
CHARLESTON 25305
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

Company: STERLING DRILLING PROD. CO., INC.
Farm: STUTLER, WILLIAM C. Well: 999

Permit No. 47- 13-3808 (10-22-84)
County: CALHOUN

JAN 14 1986

Rule	Description	In Compliance	
		Yes	No
23.06	Notification prior to starting work	-----	-----
25.04	Prepped before drilling to prevent waste	-----	-----
25.03	High pressure drilling	-----	-----
16.01	Required permits at wellsite	-----	-----
15.03	Adequate Fresh Water Casings	-----	-----
15.02	Adequate Coal Casings	-----	-----
15.01	Adequate Production Casings	-----	-----
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	-----	-----
17.05	Identification Markings	-----	-----

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

SIGNED D. W. Moore
DATE 1-10-86

Your well record was received and reclamation requirements approved. In accordance with Chapter 22B, Article 1, Section 26, the above well will remain under bond coverage for the life of the well.

T. H. v. B.
Director-Oil and Gas Division

January 27, 1986
Date

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION
CHARLESTON 25305
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

Permit No. 42-13-2808
County: CALHOUN

Company: STERLING DRILLING PROD. CO., INC.
Well: 999
Inspector: WILLIAM C. STUTLER

In Compliance
Yes No

Description

Page

In Compliance	Description	Page
Yes	25.02 Identification markings	1
Yes	25.01 Well records on site	1
Yes	25.03 Well records filed	1
Yes	25.04 Required markings at well site	1
Yes	25.05 High pressure drilling	1
Yes	25.06 Prepared before drilling to prevent waste	1
Yes	25.04 Notified prior to starting work	1
Yes	25.02 Adequate Cement Strength	1
Yes	25.01 Adequate Production casing	1
Yes	25.01 Adequate Coal casing	1
Yes	25.02 No surface or underground pollution	1
Yes	25.04 Recycled drilling pits	1
Yes	25.01 Necessary equipment to prevent waste	1
Yes	25.02 Maintained Access Roads	1
Yes	25.02 Cement Type	1
Yes	25.04 Adequate Cement Strength	1
Yes	25.01 Adequate Production casing	1
Yes	25.01 Adequate Coal casing	1

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

SIGNED: *Wm. C. Stutler*
DATE: 1-10-82

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

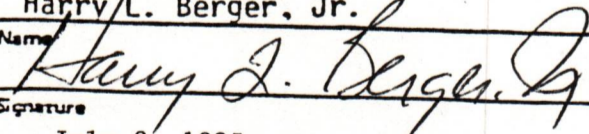
Wm. C. Stutler
Director-Oil and Gas Division

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 - 3808
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.)	5200 feet
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Sterling Drilling and Production Co. Inc. 018084 Name 710 Virginia St. East, Arcade Building Street Charleston, WV 25301 City State Zip Code
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Lee District Field Name Calhoun County State WV
(b) For OCS wells:	Area Name Block Number Date of Lease: Mo. Day Yr. OCS Lease Number
(c) Name and identification number of this well: (35 letters and digits maximum.)	Stutifer #999
(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.)	Undedicated Name Buyer Code
(b) Date of the contract:	Mo. Day Yr.
(c) Estimated total annual production from the well:	14.7 Million Cubic Feet

	(a) Base Price	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total of (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU 6 . 0 3 4	-----	-----	-----
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU 6 . 0 3 4	-----	-----	-----

Agency Use Only Date Received by Juris. Agency JUL - 5 1985 Date Received by FERC	Harry L. Berger, Jr. Name  Signature July 2, 1985 Date Application is Completed	Designated Agent Title 304-342-0121 Phone Number
--------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------

10/06/2023

JUL 30 1985

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION 47-013-3808

Date: July 2, 1985

47550

AGENCY USE ONLY

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

WELL DETERMINATION FILE NUMBER

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

850705 -1073-013 - 3808

Gas Purchaser Contract No. _____

Use Above File Number on all
Communications Relating to This Well

Date of Contract _____
(Month, day and year)

SDP #999

First Purchaser: Undedicated P629

Designated Agent: Harry L. Berger, Jr.

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

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

FERC Seller Code _____

FERC Buyer Code _____

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

Name: Harry L. Berger, Jr. Vice President and Land Manager
(Print) (Title)

Signature: Harry L. Berger, Jr.

Address: 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
- X 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

AGENCY USE ONLY

10/06/2023

RECEIVED

JUL 5 1985

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: Sterling Drilling & Production Co. Agent: Harry L. Berger, Jr.

Type Determination being sought - 107 (Devonian Shale)

API Well No.: 47-013-3808 Well Name: #999 Stutler

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 = 170 * API Units
2. Remarks: .

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

1. GR Value = 119 * API Units
2. Calculation: $\frac{0.7 \text{ (GR Value at Base Line)}}{0.7 \text{ (170 *)}} = \underline{119}$ 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***		
<u>2152</u>	<u>5173</u>	<u>3021'</u>	<u>139</u>

Total Devonian Interval 3021'

Total Less Than 0.7 (Shale Base) 139

% Less Than 0.7 (Shale Base Line) = $\frac{0.0460}{1} \times 100 = \underline{\underline{4.6\%}}$

10/06/2023

*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 #999

API Well No.

47 - 013 - 3808
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 743.28'

WELL OPERATOR Sterling Drilling & Production Co Watershed Little Creek

ADDRESS 710 Virginia Street, East
Charleston, WV 25301

Dist. Lee County Calhoun Quad. 7.5' Annam

Gas Purchase
Contract No. _____

GAS PURCHASER Undedicated

Meter Chart Code _____

ADDRESS _____

Date of Contract _____

* * * * *

Date surface drilling began: November 17, 1984

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

Bottom Hole Pressure. PSIA -- Pf = Pwe XLGS

$$t = 60 + (0.0075 \times 5200) + 459.67 = 559. \quad X = \frac{1}{53.34} \times 559 = .0000335$$

$$Pf = 870 \times 2.7183 \times .0000335 \times 412 \times .690 \times 1.08 = 909 \text{ PSIA}$$

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

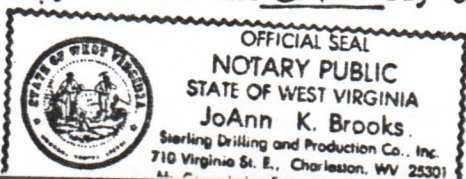
COUNTY OF Kanawha, TO-WIT:

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 2nd day of July, 1985, has acknowledged the same before me, in my county aforesaid.

10/06/2023

Given under my hand and official seal this 2nd day of July, 1985.
My term of office expires on the 27th day of October, 1991.

(NOTARIAL SEAL)



JoAnn K Brooks
Notary Public

MW 10/17/84

15' LATITUDE

8850'

C-1263

7 1/2' LATITUDE 38°55'

7 1/2' TOPO LOCATION

C-2990

EL. 1084' X TOP KNOB

HELEN B. KING ET. AL.

PERMELLIA E. HEADLY ET. AL.

N58°W - DEED CALL STN.

S81°W - 66' DEED

WAL. COR. CALL POP. STP.

C-1836

N28°00'W - 288.75' DEED &

N23°32'W - 284.29' MAG.

SYC. COR. MKD. CALL STN.

N19°E - 119.63' DEED

N3°30'W - 148.5' DEED

PROPOSED LOCATION

X BM. EL. 805'

WM. C. STUTLER, ET. AL.

47°

C-1417

H. C. COOPER HRS.

C-3335

C-3677

R. B. NEWMAN HRS.

7 1/2' LONGITUDE 81°12'30"

15' LONGITUDE

MAGNETIC NORTH

REFERENCE POINTS

PROPOSED LOCATION TO:

WAL. COR. - S76°25'W - 190.67' 3' STK. - N64°39'E - 263.7'

N-28, PG. 52

C-2285

FILE NO. 042-171
MAP NO. 58-A
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION U.S.G.S. B.M. SHOWN EL. 805'

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 AUG. 16, 19 84
OPERATOR'S WELL NO. 999
API WELL NO. 47-013-3808
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 743.28 WATER SHED LITTLE CREEK
DISTRICT LEE COUNTY CALHOUN
QUADRANGLE 7 1/2' ANNAMORIAH (ARNOLDSBURG N.W.)

SURFACE OWNER WM. C. STUTLER, ET. AL. ACREAGE 47
OIL & GAS ROYALTY OWNER WM. C. STUTLER, ET. AL. LEASE ACREAGE 47
LEASE NO. 042-171

10/06/2023

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 5150
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