



1) Date: January 3, 1983  
 2) Operator's Well No. MONROE # 771  
 3) API Well No. 47 105 1045  
 State County Permit

DRILLING CONTRACTOR:

UNKNOWN

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

AT THIS TIME

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil      / Gas X /  
 B (If "Gas", Production X / Underground storage      / Deep      / Shallow X /)
- 5) LOCATION: Elevation: 898.63' Watershed: Little Kanawha River  
 District: Burning Springs County: Wirt Quadrangle: 7 1/2' Annamoriah
- 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
- 7) OIL & GAS ROYALTY OWNER Dan Earl Monroe 12) COAL OPERATOR UNOPERATED  
 Address 6289 Lear Drive #403 Address       
Lantana, Florida 33462
- 8) SURFACE OWNER Dan Earl Monroe 13) COAL OWNER(S) WITH DECLARATION ON RECORD:  
 Address Same Name UNKNOWN  
 Address
- 9) FIELD SALE (IF MADE) TO: Name       
 Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED Name Deo Mace  
 Address Rt. 1 Box 5  
Sandridge, WV 25274
- 14) COAL LESSEE WITH DECLARATION ON RECORD:  
 Name       
 Address
- 15) PROPOSED WORK: Drill X / Drill deeper      / Redrill      / Fracture or stimulate       
 Plug off old formation      / Perforate new formation       
 Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION, Devonian Shale
- 17) Estimated depth of completed well,      feet  
 18) Approximate water strata depths: Fresh,      feet; salt,      feet.  
 19) Approximate coal seam depths:      Is coal being mined in the area? Yes      / No

20) 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	
Coal									Sizes
Intermediate	7"	J-55	20#	X		2025'	2025'	200 SK	OR AS REG.
Production	4 1/2	ERW	10.5	X			5050'	300 SK	Depths set OR AS REG.
Tubing								by	Rule 15.01
Liners									Perforations:
									Top Bottom

21) 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.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing 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.

23) Required Copies (See reverse side.)

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

Notary: John K. Brooks  
 My Commission Expires 10/27/91

Signed: Harry L. Berger, Jr.  
 Its:     

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-1051045 Date January 7 1983  
01/12/2024

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. 10) 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.)

Permit expires September 7, 1983

unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>Blanket</u>	Agent: <u>OK</u>	Plat: <u>    </u>	Casing: <u>    </u>	Fee: <u>3423</u>
----------------------	------------------	-------------------	---------------------	------------------

      
 Administrator, Office of Oil and Gas

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

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.  
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
  - (1) A brief description of the tract of land including the district and county wherein the tract is located;
  - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
  - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
  - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
- 24) **The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.**

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

WAIVER

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

01/12/2024

Date: \_\_\_\_\_, 19\_\_\_\_ By \_\_\_\_\_  
Its \_\_\_\_\_

STERLING DRILLING AND PRODUCTION CO., INC.

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

State of West Virginia  
Department of Mines  
Office of Oil and Gas  
Charleston, W.V. 25311

Date JANUARY 5, 1983

SUBJECT: Oil and Gas Well Permit Application

REFERENCE: Extraction Rights

COMPLIANCE: Code 22-4-1-(C)

Sterling Drilling and Production Co., Inc. Well Number 771

Lease Number 111-015 Acreage 217

Lease Date 3-12-81 Recording Date 2-25-82

Recorded in Book 163 at Page 898

LESSOR INDEX ON REVERSE SIDE

RECEIVED  
JAN 6 1983

LOCATION: BURNING SPRINGS District of ROANE County

WATERSHED: LITTLE KANAWHA RIVER

QUADRANGLE: 7 1/2' ANNAMORIAH

OIL & GAS DIVISION  
DEPT. OF MINES

AFFIDAVIT

I, HARRY L. BERGER, JR., an authorized representative of Sterling Drilling and Production Co., Inc., hereby certify that the above information is true and that the owner or owners of the minerals underlying the above described tract will receive minimum one eighth (1/8) royalty payments from any producing oil and / or gas well drilled thereon under this contract.

Signed: Harry L. Berger, Jr.  
Authorized representative

Notary: John K. Brooks

My Commission Expires 10/27/91

LESSOR INDEX

DAW EARL MOWROE

6289 LEAR DRIVE #403

LANTANA, FLORIDA

33462



DATE 1-3-83

WELL NO. \_\_\_\_\_

State of West Virginia API NO. 47 - ~~013~~<sup>105</sup> - 1045

Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

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

LANDOWNER Dan Earl Monroe 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: 1-3-83  
(Date)

Jarrett Newton  
(SCD Agent)

ACCESS ROAD		LOCATION
Structure _____	(A)	Structure <u>Diversion Ditch</u> (1)
Spacing _____		Material <u>Earthen</u>
Page Ref. Manual _____		Page Ref. Manual <u>2-12</u>
Structure <u>Drainage Ditches</u>	(B)	Structure <u>Rip-Rap</u> (2)
Spacing <u>Roadside</u>		Material <u>Rock</u>
Page Ref. Manual _____		Page Ref. Manual <u>2-9</u>
Structure <u>Cross Ditches</u>	(C)	Structure _____ (3)
Spacing <u>135' for 5% 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

Line <u>2</u>	Tons/acre
or correct to pH <u>6.5</u>	
Fertilizer <u>600</u>	lbs/acre
(10-20-20 or equivalent)	
Mulch <u>Hay</u>	<u>2</u> Tons/acre
Seed* <u>Ky-31</u>	<u>40</u> lbs/acre
<u>Ladino Clover</u>	<u>3</u> lbs/acre
	lbs/acre

Treatment Area II

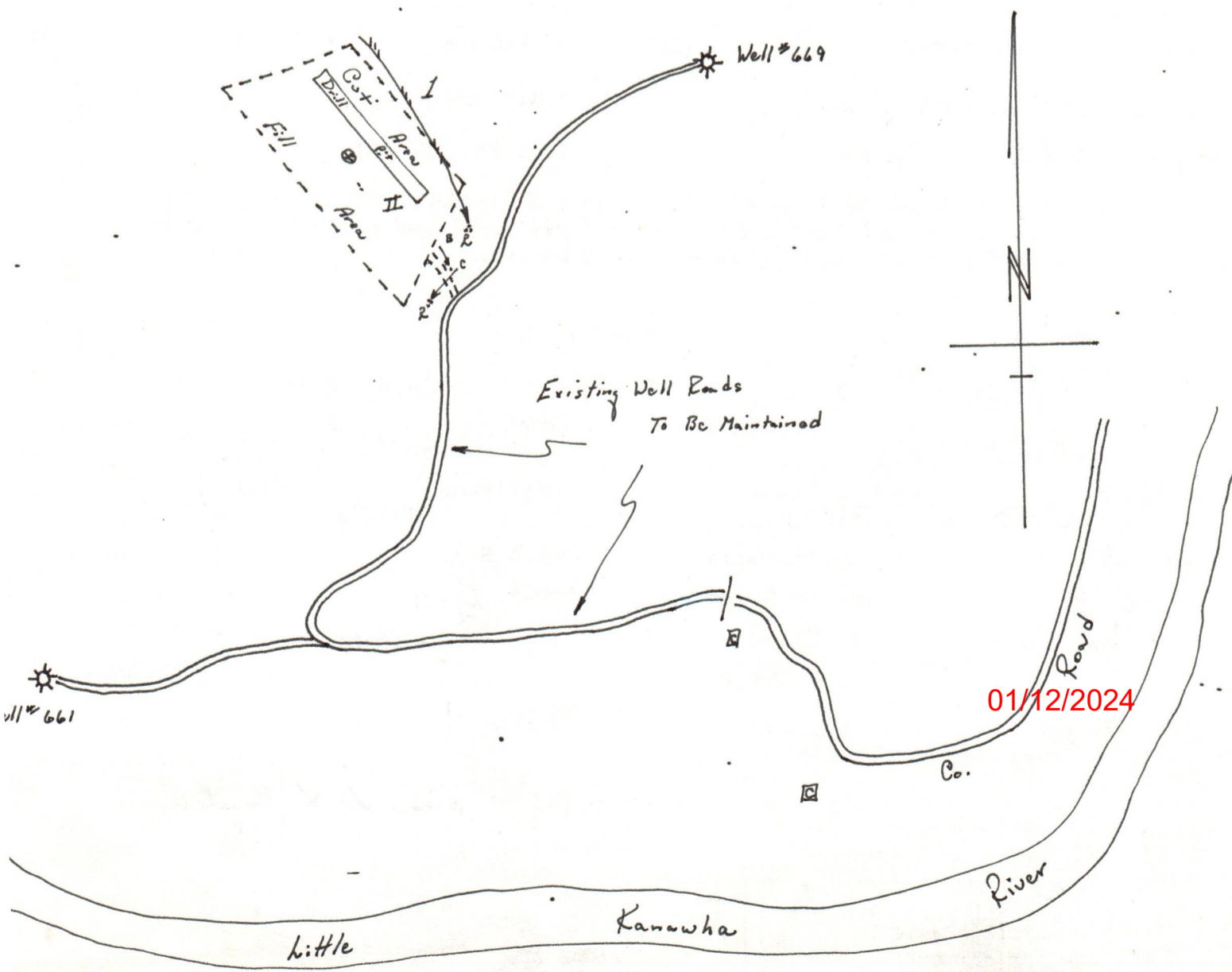
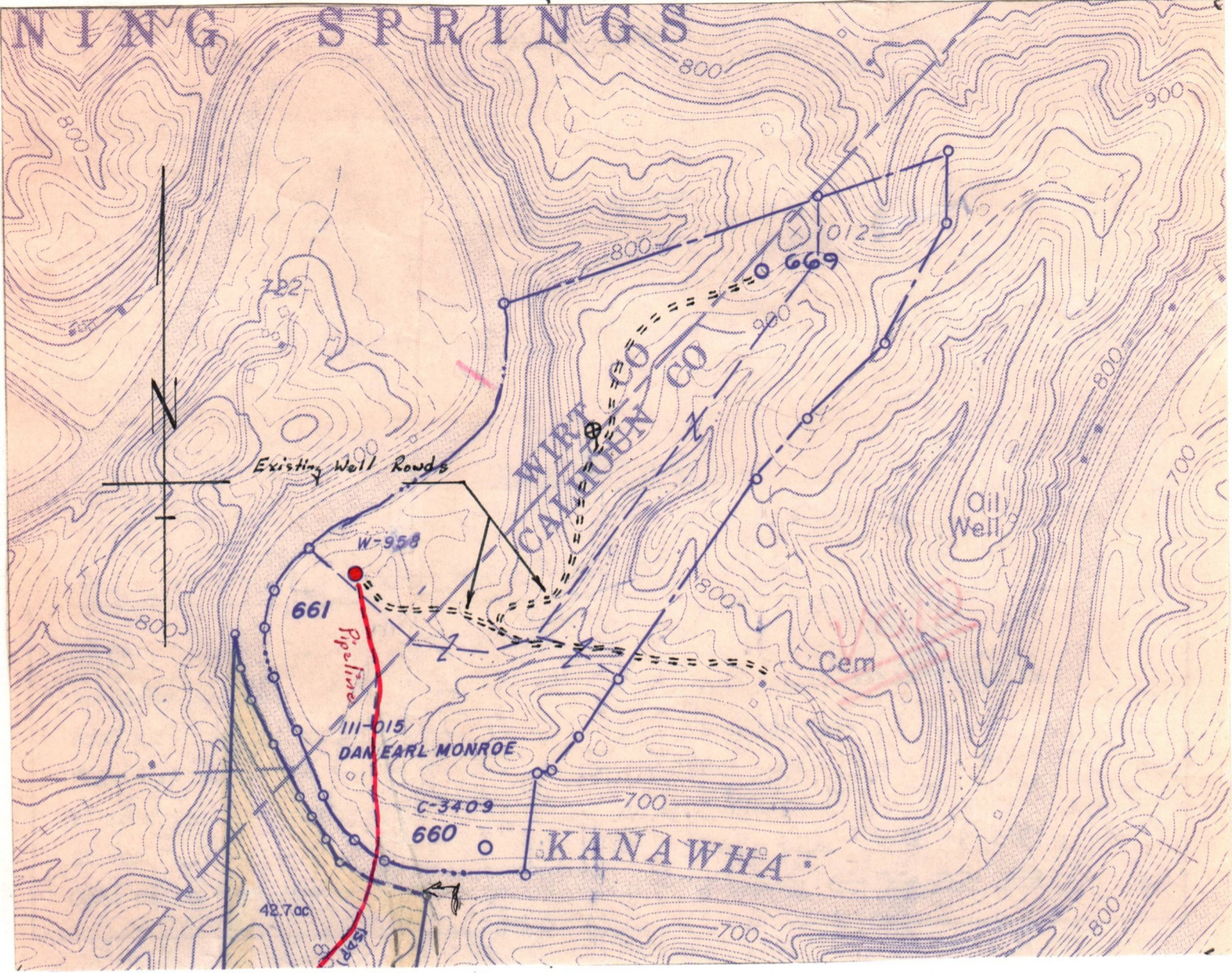
Line <u>2</u>	Tons/acre
or correct to pH <u>6.5</u>	
Fertilizer <u>600</u>	lbs/acre
(10-20-20 or equivalent)	
Mulch <u>Hay</u>	<u>2</u> Tons/acre
Seed* <u>Ky-31</u>	<u>40</u> lbs/acre
<u>Ladino Clover</u>	<u>3</u> lbs/acre
	lbs/acre

\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount. 01/12/2024

Moore's Well Services, Inc.  
PLAN PREPARED BY Richard X. Campbell

ADDRESS Route 1 Box 30  
Duck, WV 25063  
PHONE NO. (304) 364-5780

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





IV-35  
(Rev 8-81)

RECEIVED  
AUG 29 1983

OIL & GAS DIVISION  
DEPT. OF MINES

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date August 23, 1983  
Operator's  
Well No. 771  
Farm Dan E. Monroe  
API No. 47 - 105 - 1045

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 \_\_\_ / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow x /)

LOCATION: Elevation: 898.63' Watershed Little Kanawha River  
District: Burning Springs County Wirt Quadrangle Annamoriah 7 1/2'

COMPANY Sterling Drilling & Production Co., Inc.

ADDRESS 360 Madison Ave., 5th Floor, NY NY 10017

DESIGNATED AGENT Harry L. Berger, Jr.

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

SURFACE OWNER Dan E. Monroe

ADDRESS 6289 Leur Dr. #403 Lantana, FL 33462

MINERAL RIGHTS OWNER Same

ADDRESS Same

OIL AND GAS INSPECTOR FOR THIS WORK Deo

Mace ADDRESS Rt.1, Box 5, Sandridge, WV

PERMIT ISSUED January 7, 1983

DRILLING COMMENCED February 8, 1983

DRILLING COMPLETED February 12, 1983

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	275	275	to surface
8 5/8			
7	2040	2040	125 sks.
5 1/2			
4 1/2	5011	5011	225 sks.
3			
2		4828	
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5050 feet

Depth of completed well 5063.5' feet Rotary x / Cable Tools \_\_\_\_\_

Water strata depth: Fresh 146' feet; Salt 1736' feet

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

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 3183-4862 feet

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

Final open flow 536 Mcf/d Final open flow 15 Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1020 psig (surface measurement) after 96 hours shut in

(If applicable due to multiple completion--)

01/12/2024

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

(Continue on reverse side)

Wirt 1045

B2

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

Perforations: 1st Stage- 30 holes (.39") 4246'-4862'  
2nd Stage- 26 holes (.39") 3183'-4128'

Treatment: 1st Stage- 1080 MSCF N<sub>2</sub> ATP-2435#  
2nd Stage- 1260 MSCF N<sub>2</sub> ATP-2700#

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	1218	Log Tops- 10' KB
Salt Sand			1218	1298	Fresh water @ 146'
Shale and Sand			1298	1346	Salt water @ 1736'
Salt Sand			1346	1400	
Sand and Shale			1400	1570	
Maxon			1570	1763	
Lime and Shale			1763	1795	
Big Lime			1795	1910	
Big Injun			1910	1947	
Sandy Siltstone and Shale			1947	2310	
Sunbury Shale			2310	2319	
Berea			2319	2321	
Grey Sandstone and Siltstone, Shale			2321	2702	
Grey Shale and Siltstone Stringers			2702	4767	
Grey Sandy Siltstone			4767	4788	
Grey Shale			4788	5073	
Total Depth				5073.5'	Total Depth

(Attach separate sheets as necessary)

Sterling Drilling and Production Co., Inc.  
Well Operator

By: Harry J. Dege 01/12/2024  
Date: 8/23/83

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

FEB 15 1983

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 105-1045

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

Company <u>Sterling D. + P.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			Kind of Packer _____
Farm <u>D. Monroe</u>	16			
Well No. <u>771</u>	13			Size of _____
District <u>Burning Springs</u> County <u>Wirt</u>	10			
Drilling commenced <u>2-7-83</u>	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 3/4			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.	Liners Used _____			Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names HURT #7

Remarks: 275' 9 3/8" Dowell 1005KS cement 2-8-83

2-8-83

DATE

W. M. ... 01/12/2024

DISTRICT WELL INSPECTOR



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

RECEIVED

FEB 23 1983

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 105-1045

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

Company <u>Stearns</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			Kind of Packer _____
Farm <u>Manroe</u>	16			
Well No. <u>771</u>	13			Size of _____
District <u>Burns Sp</u> County <u>Wirt</u>	10			
Drilling commenced _____	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 5/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.	Liners Used _____			Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Hunt 7

Remarks:  
T.O. & Rig down

2-14-83  
DATE

Lu Ma 01/12/2024  
DISTRICT WELL INSPECTOR



B-12



RECEIVED

JUL 2 - 1985

OIL & GAS DIVISION  
DEPT. OF MINES

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

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT

COMPANY Sterling Drilling & Prod. Co. PERMIT NO 105-1045 (1-07-83)  
Charleston, W.V.A.

FARM & WELL NO Dan E Monroe-77

DIST. & COUNTY B Springs - Wirt

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 checked="" type="checkbox"/>	<input type="checkbox"/>
25.03	High-Pressure Drilling	<input type="checkbox"/>	<input type="checkbox"/>
16.01	Required Permits at Wellsite	<input checked="" 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 checked="" 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 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 Homer H. Dougherty  
DATE 6/24/85

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

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

July 11, 1985  
DATE



APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
 PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)  
 (Sections 102, 103, 107 and 108)

GENERAL INSTRUCTIONS

Complete this form if you are applying for price classification under sections 102, 103, 107, or 108 of the NGPA.

Complete each appropriate item on the reverse side of this page. The code numbers used in items 4 and 6 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Also enter any additional remarks in the space below. The data reported on this form are not considered to be confidential and will not be treated as such.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 274.501. If there are any questions, call (202) 357-8585.

SPECIFIC INSTRUCTIONS

Use the codes in the table below for type of determination in item 2.

Section of NGPA (a)	Category Code (b)	Description (c)
102	1	New OCS lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS lease
103	-	New onshore production well
107	0	Deep (more than 15,000 feet) high-cost gas
107	1	Gas produced from geopressured brine
107	2	Gas produced from coal seams
107	3	Gas produced from Devonian shale
107	5	Production enhancement gas
107	5	New tight formation gas
107	7	Recompletion tight formation gas
108	0	Stripper well
108	1	Stripper well - seasonally affected
108	2	Stripper well - enhanced recovery
108	3	Stripper well - temporary pressure buildup
108	4	Stripper well - protest procedure

Enter the appropriate information regarding other Purchasers/Contracts.

Contract Date (Mo, Da, Yr) (a)	Purchaser (b)	Buyer Code (c)

Remarks:

01/12/2024

PARTICIPANTS:

DATE: OCT 24 1983

BUYER-SELLER CODE

WELL OPERATOR: Sterling Drilling and Production Co. Inc.

018084

FIRST PURCHASER: Undedicated

OTHER: \_\_\_\_\_

Devonian

W. Va. Department of Mines, Oil & Gas Division

WELL DETERMINATION FILE NUMBER

830629-107-105-1045

Use Above File Number on all Communications  
Relating to Determination of this Well

APPROVED

OCT 27 1983

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

1. FERC -121  Items not completed - Line No. 7.0 + 8.0 b,gd

2. IV-1 Agent Harry L Berger, Jr.

3. IV-2 Well Permit —

4. IV-6 Well Plat

5. IV-35 Well Record  Drilling  Deepening —

6. IV-36 Gas-Oil Test: Gas Only — Was Oil Produced? — Ratio —

7. IV-39 Annual Production — years

8. IV-40 90 day Production — Days off line: —

9. IV-48 Application for certification. Complete?

10-17. IV Form 51 - 52 - 53 - 54 - (55) - 56 - 57 - 58 Complete?  Affidavit Signed

18-28. Other: Survey \_\_\_\_\_ Logs \_\_\_\_\_ Geological Charts \_\_\_\_\_  
Structure Map \_\_\_\_\_ 1: 4000 Map \_\_\_\_\_ Well Tabulations \_\_\_\_\_  
Gas Analyses \_\_\_\_\_

(5) Date commenced: 2-8-83 Date completed 2-12-83 Deepened —

(5) Production Depth: 3183 - 4862

(5) Production Formation: Devonian Shale

(5) Final Open Flow: 536 MCF

(5) After Frac. R. P. 1026# 96 hrs.

(6) Other Gas Test: \_\_\_\_\_

(7) Avg. Daily Gas from Annual Production: \_\_\_\_\_

(8) Avg. Daily Gas from 90-day ending w/1-120 days \_\_\_\_\_

(8) Line Pressure: \_\_\_\_\_

(5) Oil Production: — From Completion Report — PSIG from Daily Report

10-17. Does lease inventory indicate enhanced recovery being done No

0-17. Is affidavit signed?  Notarized?

Does official well record with the Department confirm the submitted information? yes 01/12/2024

Additional information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_

as Determination Objected to \_\_\_\_\_ By Whom? \_\_\_\_\_



DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's  
Well No. Monroe #771

API Well No.

47 - 105 - 1045  
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 898.63

WELL OPERATOR Sterling Drilling & Production Co Watershed Little Kanawha River

ADDRESS 710 Va., St., East, Charleston, WV Inc. Burn Spring County Wirt Quad. 7 1/2 Annamor  
25301

GAS PURCHASER UNDEDICATED

ADDRESS \_\_\_\_\_

Gas Purchase

Contract No. \_\_\_\_\_

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

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

\* \* \* \* \*

Date surface drilling began: 2/8/83

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

Bottom Hole Pressure. PSIA -- Pf = Pwe XLGS

$t = 60 + (0.0075 \times 5074) + 459.67 = 558$  .  $x = \frac{1}{53.34} \times 558 = .0000356$

$Pf = 1020 \times 2.7183 \times .0000356 \times 4023 \times .690 \times 1.08 = 1135$  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)(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, Jo Ann 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 28<sup>th</sup> day of June, 1983, has acknowledged the same before me, in my county aforesaid.

01/12/2024

Given under my hand and official seal this 28<sup>th</sup> day of June, 1983.

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

(NOTARIAL SEAL)

Jo Ann K. Brooks  
Notary Public

Operator's Well No. Monroe #771

API Well No. 47 - 105 - 1045  
State County Permit

Previous File No. \_\_\_\_\_  
(If Applicable)

STATE APPLICATION FOR WELL CLASSIFICATION

WELL OPERATOR Sterling Drilling and Production Co., Inc. DESIGNATED AGENT Harry L. Berger, Jr.  
ADDRESS 710 Virginia St., East  
Charleston, WV 25301 ADDRESS Sterling Drilling & Production Co., Inc.  
Arcade Building, Charleston, WV. 25301

Gas Purchase Contract No. \_\_\_\_\_ and Date \_\_\_\_\_  
Meter Chart Code \_\_\_\_\_ (Month, day and year)

Name of First Purchaser UNDEDICATED  
\_\_\_\_\_  
(Street or P. O. Box)  
\_\_\_\_\_  
(City) \_\_\_\_\_ (State) \_\_\_\_\_ (Zip Code)

FERC Seller Code 018084 FERC Buyer Code \_\_\_\_\_

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) Section of NGPA 107 Category Code \_\_\_\_\_
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

Harry L. Berger, Jr. Agent  
Name (Print) Title  
Harry L. Berger, Jr.  
Signature

Sterling Drilling & Production Co., Inc.  
Street or P. O. Box  
Arcade Bldg., Charleston, WV 25301  
City State (Zip Code)  
(304) 342-0121  
Area Code Phone Number

(Certificate of Proof of Service to Purchaser)

(All of the above to be completed by the Operator/Applicant)

(To be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and purchaser, if known).

The Department of Mines has received a request  for certification of the above described well as meeting the requirements of Section \_\_\_\_\_ under the Natural Gas Policy Act of 1976. (NGPA);  or for determination that increased production is the result of enhanced recovery technology; under Section 108 of (NGPA);  or for determination of a seasonally affected well under Section 108 of (NGPA).

All interested parties are hereby notified that on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be heard, there will be a public hearing, if requested, or if objection is filed.

This Application is assigned File No. \_\_\_\_\_

Initial review of information submitted indicates the well  is.  is not entitled to certification as claimed under the Natural Gas Policy Act (NGPA). A review of this evidence and any additional evidence will be made at the time appointed for a public hearing or as soon thereafter as the matter may be heard.

Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will go to determination.

WEST VIRGINIA DEPARTMENT OF MINES

JUN 29 1983

Date received by  
Jurisdictional Agency

By [Signature] Director  
Title \_\_\_\_\_

01/12/2024

0

Checklist of minimum Forms and Information needed to apply for each well classification. Each is identified by an "Item No." The "Items" required are listed beneath each well classification.

FOR NEW ONSHORE WELL - Sec. 102 NGPA - More than 2.5 miles from a marker well.  
Items - 1, 2, 3, 4, 5, 6, 9, 10, 22, 23 - (18 & 19 Qualified)

FOR NEW ONSHORE WELL - Sec. 102 NGPA - More than 1,000 feet deeper than a marker well,  
Items - 1, 2, 3, 4, 5, 6, 9, 11, 22, 23 - (18 & 19 Qualified)

FOR NEW ONSHORE RESERVOIR WELL - Sec. 102 NGPA  
Items - 1, 2, 3, 4, 5, 6, 9, 12, 20, 21, 24 - (18 & 19 Qualified)

FOR NEW ONSHORE PRODUCTION WELL - Sec. 103 NGPA  
Items - 1, 2, 3, 4, 5, 6, 9, 13

FOR HIGH COST GAS - Sec. 107 NGPA  
Items - 1, 2, 3, 4, 5, 6, 9, 14, 19 - (18 Qualified)

FOR STRIPPER WELLS - Sec. 108 NGPA  
Items - 1, 2, 3, 4, 5, 6, 7, 8, 9, 15 (28 if Available)

FOR STRIPPER WELLS - Sec. 108 NGPA - Enhanced Recovery  
Items - 9, 16

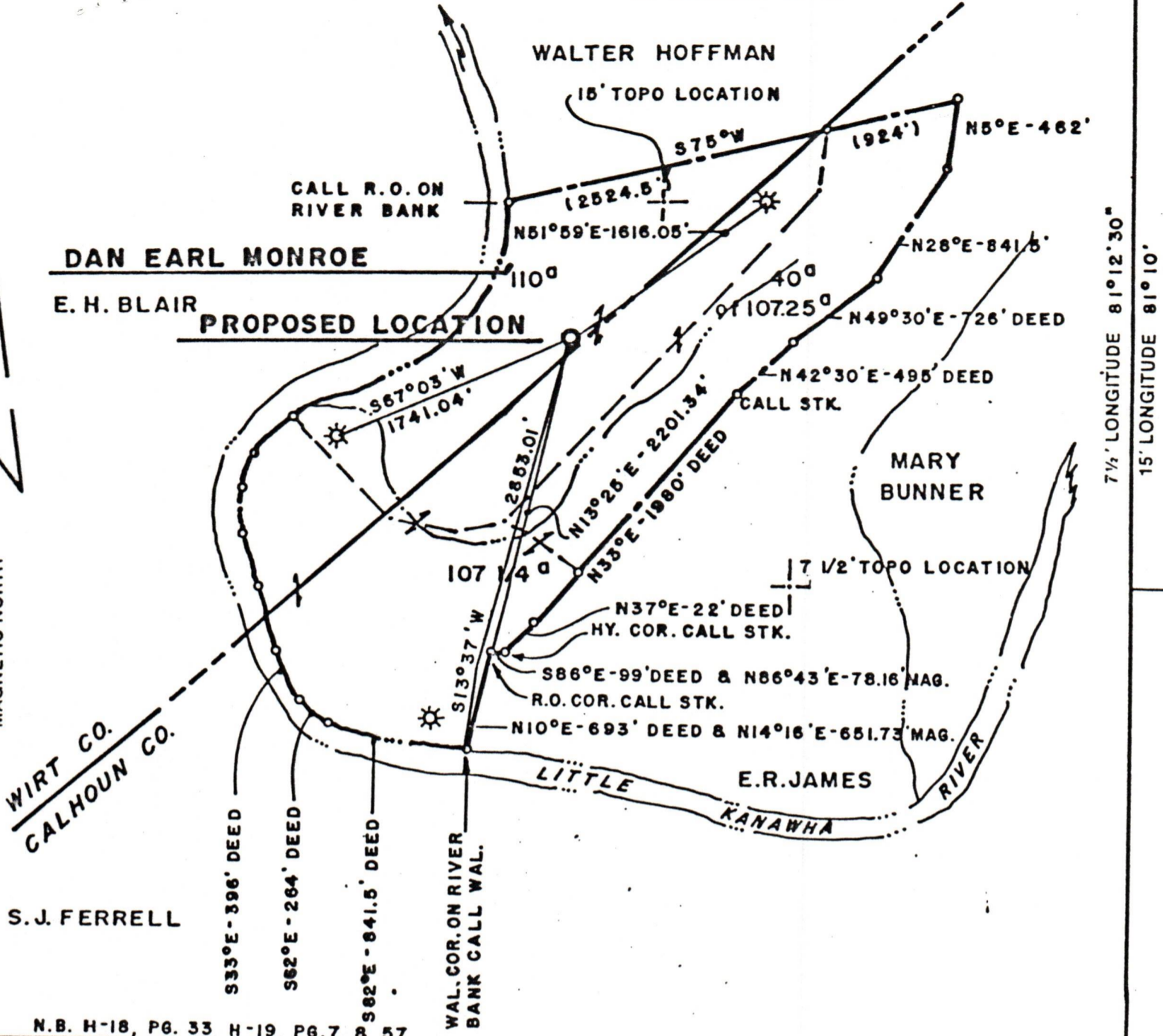
FOR STRIPPER WELLS - Sec. 108 NGPA - Seasonally Affected  
Items - 9, 17, 28

<u>ITEM NOS.</u>	<u>FORM NO.</u>	<u>DESCRIPTION</u>
1.	FERC 121	
2.	IV-1	Operator Agent Certification
3.	IV-2	Well Permit Application
4.	IV-6	Well Plat
5.	IV-35	Well Operator's Drilling Report
6.	IV-36	Gas/Oil Ratio Test Report
7.	IV-39	Report of Annual Production
8.	IV-40	Ninety (90) Day Production Report
9.	IV-48WC	State Application for Well Classification
10.	IV-51WC	Wells drilled more than 2.5 miles from a marker well
11.	IV-52WC	Wells drilled more than 1,000 feet deeper than a marker well
12.	IV-53WC	New Onshore Reservoir Well
13.	IV-54WC	New Onshore Production Well
14.	IV-55WC	High Cost Natural Gas Well
15.	IV-56WC	Stripper Well Classification
16.	IV-57WC	Stripper - Increased Production by Enhanced Recovery
17.	IV-58WC	Stripper - Seasonally Affected
18.	N/A	Directional Survey
19.	N/A	Electric Logs
20.	N/A	Subsurface cross-section charts (Geological charts)
21.	N/A	Formation Structure Map
22.	N/A	1:4000 Well Location Map
23.	N/A	Well Tabulation Sheet
24.	N/A	Gas Analysis
25.	N/A	Other
26.	N/A	Notice - Increase of Production
27.	N/A	Lease Inventory
28.	N/A	Tax records or verified copies of billing statements for appropriate period.

01/12/2024

15' LATITUDE 39°00'  
 7 1/2' LATITUDE 89°00'

MAGNETIC NORTH

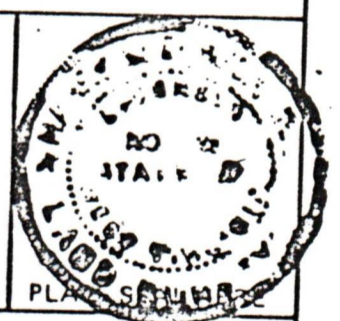


7 1/2' LONGITUDE 81°12'30"  
 15' LONGITUDE 81°10'  
 8450'

N.B. H-18, PG. 33 H-19, PG. 7 & 57

FILE NO. III-015 NO. 4  
 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. 1012'

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 JAN. 3, 1983  
 OPERATOR'S WELL NO. 771  
 API WELL NO. EXP. 9/7/83  
47-105-1045  
 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 898.65' WATER SHED LITTLE KANAWHA RIVER  
 DISTRICT BURNING SPRINGS COUNTY WIRT  
 QUADRANGLE 7 1/2' ANNAMORIAN (ARNOLDSBURG N.E.)  
 SURFACE OWNER DAN EARL MONROE ACREAGE 217  
 OIL & GAS ROYALTY OWNER DAN EARL MONROE LEASE ACREAGE 217  
 LEASE NO. III-015

01/12/2024

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 DEV. SHALE ESTIMATED DEPTH \_\_\_  
 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, W.V. 25301