



1) Date: July 14, 19 83
2) Operator's Well No. 811
3) API Well No. 47 105-1084
State County Permit

DRILLING CONTRACTOR:
UNKNOWN
AT THIS TIME

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

- 4) WELL TYPE: A Oil / Gas / B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 917.97' / Watershed: Straight Creek of Little Kanawha River
District: Burning Springs / County: Wirt / Quadrangle: 7.5' Burning Springs
- 6) WELL OPERATOR Sterling Drilling & Prod. Co., Inc 11) 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 Julia F. Joyce, et al 12) COAL OPERATOR UNOPERATED
Address Apt. 403 - B Lakeview Est. / Address _____
Parkersburg, W.V. 26101
Acreage 68.75
- 8) SURFACE OWNER Westvaco Corporation 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
Address #2 Furguson Dr. / Name UNKNOWN
Parkersburg, W.V. 26101 / Address _____
Acreage 68.75 / Name _____
Address _____
- 9) FIELD SALE (IF MADE) TO:
Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Deo Mace / Address _____
Address Rt. 1 Box 5 / Sandridge, W.V. 25274
- 15) PROPOSED WORK: Drill / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____
Plug off old formation _____ / Perforate new formation _____
Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Brown Shale
- 17) Estimated depth of completed well, 5000 feet
- 18) Approximate water strata depths: Fresh, _____ feet; salt, _____ feet
- 19) Approximate coal seam depths: 0 Is coal being mined in the area? Yes / No
- 20) CASING AND TUBING PROGRAM

RECEIVED
JUL 15 1983

OIL & GAS DIVISION
DEPT. OF MINES

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		400'	400'	To Surface	By Rule 15-05
Coal									Sizes
Intermediate	7"	J-55	20#	X		2065'	2065'	100 sks	
Production	4 1/2	ERW	10.5#	X			5000'	250 sks	Dep hs set or AS Reg by Rule 15-01
Tubing									Perforations:
Liners									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: Dawn M. Gillespie / Signed: Harry L. Berger, Jr.
My Commission Expires May 10, 1989 / Its: Designated Agent 01/05/2024

OFFICE USE ONLY

Permit number 47-105-1084 DRILLING PERMIT August 8 1983
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. 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 August 8, 1985 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>LS</u>	Plat: <u>PL</u>	Casing: <u>CS</u>	Fee: <u>5239</u>
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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.

01/05/2024

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.

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OFFICE OF OIL & GAS

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: 917.97' Watershed Straight Creek of Little Kanawha River District: Burning Springs County: Wirt Quadrangle: 7.5' Burning Sp. 6) WELL OPERATOR Sterling Drilling & Prod. Co., Inc. 7) DESIGNATED AGENT Harry L. Berger, Jr. Address 360 Madison Ave. Fifth Floor New York, New York 10017 Address 710 Virginia St., E. 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 0) PROPOSED WELL WORK: Drill x / Drill Deeper / Redrill / Stimulate / Plug off old formation / Perforate new formation / Other physical change in well (specify) 1) GEOLOGICAL TARGET FORMATION, BROWN SHALE 12) Estimated depth of completed well (or actual depth of existing well), 5000 feet 13) Approximate water strate depths: Fresh, feet; salt, feet. 14) Approximate coal seam depths: 0 Is coal being mined in the area? Yes /Nox 5) CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft., New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, 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 (or less than 5 days if the Application is to plug a well), 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 herein.

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)

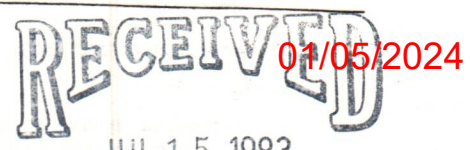
NAME: _____

(Signature) Date: _____

By _____

(Signature) Date: _____

Its _____ Date: _____



JUL 15 1983

OIL & GAS DIVISION DEPT. OF MINES

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 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 person who will actually receive these materials.) Permit will be good for 24 months. See Chapter 22, Article 4 of the W. Va. Code.

If you do not own any interest in the surface tract, please forward these materials

Form W-2 (A)
Reverse

INSTRUCTIONS TO APPLICANT

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 § 22-4-3a 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:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book Page

01/05/2024

A-5

STERLING DRILLING AND PRODUCTION CO., INC.

ARCADE BUILDING
710 VIRGINIA STREET EAST
CHARLESTON, WEST VIRGINIA 25301
(804) 842-0121

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

Date JULY 13, 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 811

Lease Number 111-004 Acreage 68.75

Lease Date 9/4/80 Recording Date 11/13/80

Recorded in Book 159 at Page 599

LESSOR INDEX ON REVERSE SIDE

RECEIVED

JUL 15 1983

LOCATION: BURNING SP. District of WIRT County

WATERSHED: STRAIGHT CREEK OF LITTLE KANAWHA

OIL & GAS DIVISION
DEPT. OF MINES

QUADRANGLE: 7.5' BURNING SPRINGS

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: David M. Gillespie

My Commission Expires 5/10/89

LESSOR INDEX

JOHN R. & BERTHA D. PELL

DONALD B. & TRANA ATKINS

ROBERT R. PELL

WILLARD S. & FONDA E. WHITE

HARRIETT STIFF

JULIA JOYCE

KERMIT & MARY CANTNER

KATHRYN PELL BROWN EXECURIX OF J.R. PELL ESTATE

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

RECEIVED
SEP 9 - 1983

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. *105-1084*

Oil or Gas Well _____
(KIND)

Company *Sterling*
 Address _____
 Farm *J. Joyce*
 Well No. *811*
 District *Burnley Sp.* County *Wirt*
 Drilling commenced *8-19-83*
 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 &*

Remarks: *404' of 9 5/8" 160 SKS cement, Dowell 8-20-83*
2050' 7" 170 SKS cement Dowell 8-22-83
T.D. 8-26-83

8-29-83

DATE

[Signature] *Des Mace*
 DISTRICT WELL INSPECTOR

01/05/2024

RECEIVED
OCT 2 - 1982
OIL & GAS DIVISION
DEPT. OF MINES

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location		Amount	Packer	Location		
					CASING AND TUBING		
					RECOVERED	SIZE	LOST
PLUGS USED AND DEPTH PLACED			BRIDGES				
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION				

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.
DATE

DISTRICT WELL INSPECTOR
01/05/2024

PARTICIPANTS:

DATE: FEB 20 1984

BUYER-SELLER CODE

WELL OPERATOR: Sterling Drilling and Production Co. Inc.

01 8084

FIRST PURCHASER: Undedicated

OTHER: _____

Dev.

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
831202-107-105-1084
 Use Above File Number on all Communications
 Relating to Determination of this Well

APPROVED
 MAR -7 1984

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 Items not completed - Line No. _____
- 2. IV-1 Agent Harry L. Berger
- 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: 8-20-83 Date completed 11-1-83 Deepened _____
- (5) Production Depth: 2456-4880
- (5) Production Formation: Devonian Shale
- (5) Final Open Flow: 474 MCF
- (5) After Frac. R. P. 800# 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: _____ PSIG from Daily Report
- (5) Oil Production: _____ From Completion Report _____
- 10-17. Does lease inventory indicate enhanced recovery being done No
- 10-17. Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information? _____
- Additional information _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

01/05/2024

Operator's Well No. Joyce #811

API Well No. 47 - 105 - 1084
State County Permit

Previous File No. _____
(If Applicable)

STATE APPLICATION FOR WELL CLASSIFICATION

WELL OPERATOR Sterling Drilling and Production

ADDRESS 710 Virginia St., East
Charleston, WV 25301

DESIGNATED AGENT Harry L. Berger, Jr.

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.) 107 Section of NGPA _____ 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

[Signature]
Director

DEC 2 1983

Date received by Jurisdictional Agency _____

By _____ Title _____

01/05/2024

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's
Well No. Joyce #811

API Well No.

47 - 105 - 1084
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 917.97

WELL OPERATOR Sterling Drilling and Production Watershed Straight Ck of Little Kanawha River
Co., Inc. Dist. Burn Spr County Wirt Quad. 7.5' Burning Springs
ADDRESS 710 Virginia St., East
Charleston, WV 25301

GAS PURCHASER UNDEDICATED

ADDRESS _____

Gas Purchase Contract No. _____

Meter Chart Code _____

Date of Contract _____

* * * * *

Date surface drilling began: August 20, 1983

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

Bottom Hole Pressure. PSIA -- Pf = Pwe XLGS

$$t = 60 + (0.0075 \times 4994) + 459.67 = 557 \quad x = \frac{1}{53.34} \times 557 = .0000337$$

$$Pf = 860 \times 2.7183 \times .0000337 \times 3668 \times .690 \times 1.08 = 877 \text{ PSIA}$$

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 Kenawha, TO-WIT:

I, John 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 28th day of November, 1983, has acknowledged the same before me, in my county aforesaid.

01/05/2024

Given under my hand and official seal this 28th day of November, 1983.
My term of office expires on the 27th day of October, 1991.

(NOTARIAL SEAL)

John K Brooks
Notary Public

15' LATITUDE 39°00'

7 1/2' LATITUDE 39°00'

W-689

15' TOPO LOCATION

Mc CONAUGHY & CO.

N53°E - 99' DEED
CALL R.O., B.O., W.PINE

CALL STN.
W-751
MAP. IN R

S63°E - 1266.54' DEED

7 1/2' TOPO LOCATION

PROPOSED LOCATION

BRATTON & BRITTON

N77°03'E
274.19'

CALL HY.

N17°E - 2174.04' DEED

68.75^a

S12°E - 1138.5' DEED

JULIA F. JOYCE, ET. AL.

SM. HY. COR. CALL STN. & PTR.

N2°50'E
2178.31'

S20°W - 99' DEED

S1°W - 198' DEED

N63°W - 1023.94' DEED B

W-675

G.S. KIDWELL

N64°05'W - 897.12' MAG.

W-618

W-954

W-623

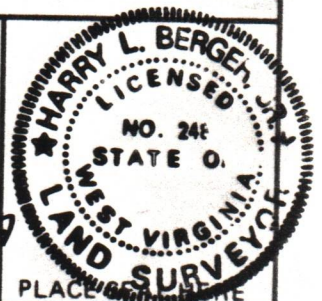
W-759

N. B. H. - 27, PG. 36

FILE NO. III-004 NO. 1
MAP NO. 57-B & 58-A
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION U.S.G.S. B.M. SHOWN ELEV. 649'

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 JUNE 26, 19 83
OPERATOR'S WELL NO. 811
API WELL NO. 47-105-1084
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 917.97' WATER SHED STRAIGHT CREEK OF LITTLE KANAWHA RIVER
DISTRICT BURNING SPRINGS COUNTY WIRT

QUADRANGLE 7 1/2' BURNING SPRINGS (SPENCER N.E.)
SURFACE OWNER WESTVACO CORP. ACREAGE 68.75
OIL & GAS ROYALTY OWNER JULIA F. JOYCE, ET. AL. LEASE ACREAGE 68.75
LEASE NO. III-004

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

01/05/2024

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION BROWN SHALE ESTIMATED DEPTH 5000'
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

WIRT 1084

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 § 22-4-3a 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:

Grantor, lessor, etc. Grantee, lessee, etc. Royalty Book Page

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OFFICE OF OIL & GAS

APPLICATION FOR A WELL WORK PERMIT

- WELL TYPE: A. Oil / Gas x / B. (If "Gas", Production x / Underground storage / Deep / Shallow x / LOCATION: Elevation: 917.97' Watershed Straight Creek of Little Kanawha River District: Burning Springs County: Wirt Quadrangle: 7.5' Burning Sp. WELL OPERATOR Sterling Drilling & Prod. Co., Inc. 7) DESIGNATED AGENT Harry L. Berger, Jr. Address 360 Madison Ave. Fifth Floor New York, New York 10017 Address 710 Virginia St., E. Charleston, W.V. 25301 OIL & GAS INSPECTOR TO BE NOTIFIED Name Deo Mace Address Rt. 1 Box 5 Sandridge, W.V. 25274 PROPOSED WELL WORK: Drill x / Drill Deeper / Redrill / Stimulate / Plug off old formation / Perforate new formation / Other physical change in well (specify) GEOLOGICAL TARGET FORMATION, BROWN SHALE 12) Estimated depth of completed well (or actual depth of existing well), 5000 feet 13) Approximate water strate depths: Fresh, feet; salt, feet. 14) Approximate coal seam depths: 0 Is coal being mined in the area? Yes / NoX CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft., New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, Perforations: Top, Bottom). Rows include Conductor, Fresh water, Coal, Intermediate, Production, Tubing, and liners.

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 (or less than 5 days if the application is to plug a well), 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 herein.

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.)

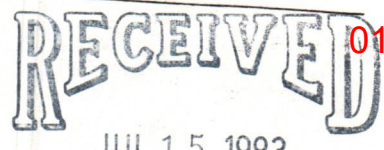
(For execution by natural persons)

By _____ Date: _____

(Signature) _____ Date: _____

Its _____ Date: _____

(Signature) _____ Date: _____



01/05/2024

JUL 15 1983

OIL & GAS DIVISION DEPT. OF MINES

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.) Permit will be good for 24 months. See Chapter 22, Article 4 of the W. Va. Code.

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, WV 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record (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 personally served or mailed to you on or before the date the operator files his Application. You have SEVENTEEN (17) DAYS after the filing date to file your comments as provided in Methods for Filing Comments below. (This time is changed to FIVE (5) DAYS from the filing date if the permit is only to plug a well.) 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 should 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 include 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 insure 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 before and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

01/05/2024

IV-35
(Rev 8-81)

RECEIVED

DEC 2 - 1983



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

Date November 18, 1983
Operator's
Well No. 811
Farm Joyce
API No. 47 - 105 - 1084

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: 917.97 Watershed Straight Creek of Little Kanawha River
District: Burning Spring County Wirt Quadrangle 7.5' Burning Springs

COMPANY Sterling Drilling & Production Co., Inc.

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

DESIGNATED AGENT Harry L. Berger, Jr.

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

SURFACE OWNER Westvaco Corp.

ADDRESS #2 Furguson Dr., Parkersburg, WV 26101

MINERAL RIGHTS OWNER Julia F. Joyce, et al

ADDRESS Apt. 403-B Lakeview Est., Parkersburg, WV 26101

OIL AND GAS INSPECTOR FOR THIS WORK

Deo Mace ADDRESS Rt.1 Box 5, Sandridge, WV 25274

PERMIT ISSUED August 8, 1983

DRILLING COMMENCED August 20, 1983

DRILLING COMPLETED November 1, 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	404'	404'	160 sks.
8 5/8			
7	2050'	2050'	170 sks.
5 1/2			
4 1/2		4959'	255 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5000 feet

Depth of completed well 4994 feet Rotary X / Cable Tools

Water strata depth: Fresh 270 feet; Salt 1070 feet

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

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth feet

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

Final open flow 474 Mcf/d Final open flow show Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure 800 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

WV 1084

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

Perforations: 1st Stage: 22 holes 4179'-4880'
 2nd Stage: 22 holes 3137'-4004'
 3rd Stage: 14 holes 2456'-2949'

Treatment: 1st Stage: 1000 gals 15% HCl; 1,412 MSCF N₂
 2nd Stage: 1000 gals 15% HCl; 1,300 MSCF N₂
 3rd Stage: 1000 gals 15% HCl; 1,440 MSCF N₂

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Soil			0	8	
Shale			8	43	
Sandstone			43	117	
Shale			117	250	
Sandstone			250	331	Fresh water @ 270'
Siltstone and Shale			331	1058	
Sandstone			1058	1119	Salt water @ 1070'
Siltstone and Shale			1119	1264	
Sandstone			1264	1300	
Shale			1300	1335	
Sandstone			1335	1395	
Siltstone and Shale			1395	1685	
Salt Sand			1685	1721	
Shale			1721	1741	
Maxon			1741	1772	
Little Lime			1772	1792	
Pencil Cave			1792	1796	
Big Lime			1796	1916	
Big Injun			1916	1949	
Squaw			1949	1972	
Siltstone and Shale			1972	2327	
Sunbury Shale			2327	2343	
Siltstone and Shale			2343	2816	Gas Show 2456'-2949'
Shale			2816	4994	Gas Show 3137'-4004'
Total Depth				4994	4179'-4880'

(Attach separate sheets as necessary)

Sterling Drilling and Production Co., Inc.

Well Operator

01/05/2024

By:

Harry J. Berger

Date:

11-30-83

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."

A. 12

811 No. 173953

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENT TO		WESTVACO CORP.	
STREET AND NO.		# 2 FURBUSON DR.	
P.O., STATE AND ZIP CODE		PARKERSBURG, W.V. 26101	
POSTAGE		\$	
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE	¢	
	SPECIAL DELIVERY	¢	
	RESTRICTED DELIVERY	¢	
	OPTIONAL SERVICES RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	¢
		SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
		SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢
		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢
TOTAL POSTAGE AND FEES		\$ 172	
POSTMARK OR DATE		CHARLESTON, WV JUL 14 1983 25301	

PS Form 3800, Apr. 1976

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JUL 15 1983

OIL & GAS DIVISION
DEPT. OF MINES

01/05/2024



DATE 7-8-83

WELL NO. Joyce #811

State of West Virginia
Department of Mines
Oil and Gas Division

API NO. 47-105-1084

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 Westvaco Corp 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: 7-11-83
(Date)

Jarrett Newton
(SCD Agent)

ACCESS ROAD

LOCATION

Structure _____ (A)

Structure Diversion Ditch (1)

Spacing _____

Material Earthen

Page Ref. Manual _____

Page Ref. Manual 2-10

Structure Drainage Ditches (B)

Structure Rip-Rap (2)

Spacing Roadside

Material Rock

Page Ref. Manual 2-10

Page Ref. Manual 2-9

Structure Cross Ditches (C)

Structure _____ (3)

Spacing 150' spacing for 4-6" grade

Material _____

Page Ref. Manual 2-4

Page Ref. Manual _____

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JUL 15 1983

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.

OIL & GAS DIVISION
DEPT. OF MINES

REVEGETATION

Treatment Area I

Treatment Area II

Lime _____ Tons/acre
or correct to pH 6.5

Lime _____ Tons/acre
or correct to pH 6.5

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

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

Mulch Hay 2 Tons/acre

Mulch Hay 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

01/05/2024

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

Moore's Well Services, Inc.

PLAN PREPARED BY Richard A. Campbell

ADDRESS Route 1 Box 30

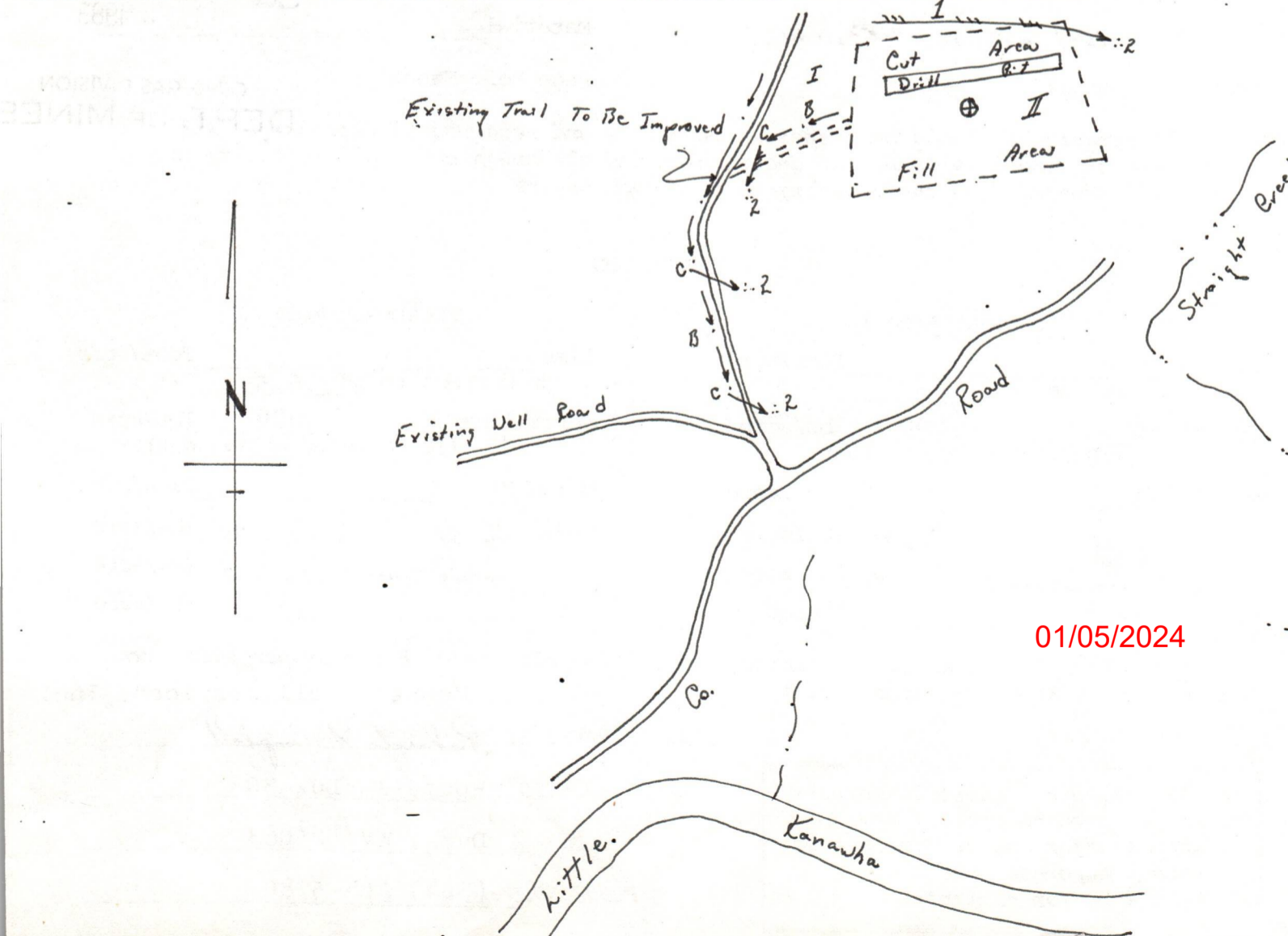
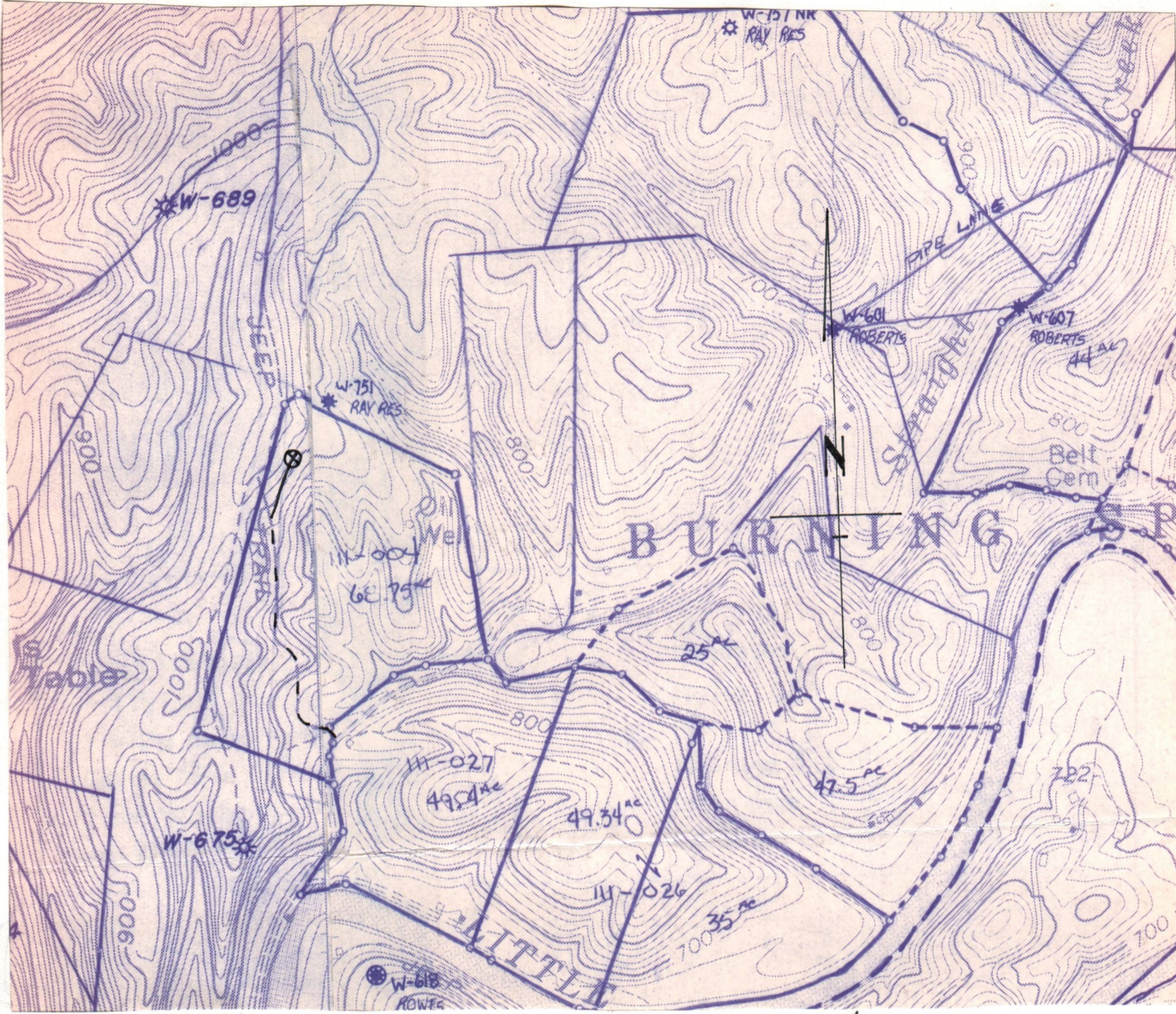
Duck, WV 25063

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.

A-7

Well Site ⊕
Access Road ———



01/05/2024

B-4

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

RECEIVED
OCT 2 - 1984

INSPECTOR'S WELL REPORT
DEPT. OF MINES

Permit No. 105-1084

Oil or Gas Well _____
(KIND)

Company <u>Sterling Drilling + Prod.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
				Kind of Packer
Address <u>Charleston, W. VA.</u>	Size			
Farm <u>Julia F. Joyce et al.</u>	16			
Well No. <u>811</u>	13			
District <u>Burning Springs</u> County <u>West</u>	10			Size of
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom
Volume _____ Cu. Ft.	Liners Used			Perf. top
Rock pressure _____ lbs. _____ hrs.				Perf. bottom
Oil _____ bbls., 1st 24 hrs.				
Fresh water _____ feet _____ feet				
Salt water _____ feet _____ feet				

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Drillers Names Status Report

Remarks: 9-24-84 - Inspected reclamation on road - location reclamation done, location - road seeded & mulched with straw by Ronald Lane Inc. can be released when grass grows.

9-24-84
DATE

Homes H. Doughty
DISTRICT WELL INSPECTOR
01/05/2024

Form 26
2/16/82

RECEIVED
OCT 5 - 1982
OIL & GAS DIVISION
DEPT. OF MINES

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks:

_____ I hereby certify I visited the above well on this date.
DATE

DISTRICT WELL INSPECTOR
01/05/2024

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

RECEIVED
DEC 02 1983

1.0 API well number: (If not assigned, leave blank. 14 digits.) 47 - 105 - 1084

2.0 Type of determination being sought: (Use the codes found on the front of this form.) 107
Section of NGPA 4994 feet Category Code

3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.) 4994 feet

4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)
Name Sterling Drilling and Production Co. Inc. 018084
Street 710 Virginia St. East, Arcade Building Seller Code
City Charleston, WV 25301 State WV Zip Code

5.0 Location of this well: (Complete (a) or (b).)
(a) For onshore wells (35 letters maximum for field name.)
Field Name Burning Springs District
Wirt
County Wirt 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.)
Joyce 811

(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.)
Name UNDEDICATED Buyer Code _____
(b) Date of the contract: _____
Mo. Day Yr.

(c) Estimated total annual production from the well: 14 Million Cubic Feet

	(a) Base Price	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU <u>5.666</u>	_____	_____	_____
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU <u>5.666</u>	_____	_____	_____

9.0 Person responsible for this application:
Agency Use Only
Date Received by Juris. Agency DEC 2 1983
Date Received by FERC

Name Harry L. Berger, Jr. Designated Agent
Signature Harry L. Berger, Jr. Title
November 28, 1983
Date Application is Completed
304-342-0121
Phone Number

01/05/2024

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

Operator: _____ Agent: _____
 Type Determination being sought - 107 (Devonian Shale)
 API Well No.: 47-105-1084 Well Name: # 811 Joyce
 West Virginia Office of Oil and Gas County: Wirt
 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: _____

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

1. GR Value = 122.5 * API Units
2. Calculation: $\frac{0.7 \text{ (GR Value at Base Line)}}{0.7 \text{ (175 *)}} = \underline{122.5}$ 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***		
2353	4996	2643	87

Total Devonian Interval 2643

Total Less Than 0.7 (Shale Base) 87

% Less Than 0.7 (Shale Base Line) = $\frac{0.0329}{1} \times 100 = \underline{3.3\%}$

01/05/2024

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

1) Date: July 14, 1983
2) Operator's Well No. 811
3) API Well No. 47
State County Permit

A-4

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

5(i) COAL OPERATOR UNOPERATED
Address _____

(i) Name Westvaco Corp.
Address #2 Ferguson Dr.
Parkersburg, W.V. 26101

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

(ii) Name _____
Address _____

(iii) Name _____
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.

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

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 304/ 342 - 0121

HARRY L. BERGER, JR.
this 14 day of July, 1983
My commission expires May 10, 1989.

David M. [Signature]
Notary Public, Kanawha County,
State of W.V.

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 X

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.

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

C O N C E R N I N G T H E L I N E I T E M S :

- 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).

C O N C E R N I N G T H E R E Q U I R E D C O P I E S F O R F I L I N G A N D S E R V I C E :

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.

I N F O R M A T I O N S U P P L I E D U N D E R C O D E § 22-4-11(d)

I N L I E U O F F I L I N G L E A S E (S) A N D O T H E R C O N T I N U I N G C O N T R A C T (S)

Under the oath required to make the verification on the converse 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:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book Page
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