



1) Date: Sept. 8, 1983
 2) Operator's Well No. 821
 3) API Well No. 47 013 3652
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 999.97' Watershed: Little Kanawha River
 District: Sheridan County: Calhoun Quadrangle: 7.5' 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
- 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, 5200 feet
- 13) Approximate trrata depths: Fresh, _____ feet; salt, _____ feet.
- 14) Approximate coal seam depths: 0 Is coal being mined in the area? Yes / No /

RECEIVED
 SEP 30 1983

OIL & GAS DIVISION
 DEPT. OF MINES

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	9 5/8	LS	33#	X		400'	400'	To Surface	By Rule 15.05
Coal									Sizes
Intermediate	7"	J-55	20#	X		2150'	2150'	100 sks	
Production	4 1/2	ERW	10.5#	X			5200'	250 sks	Depths set
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-013-3652 Date October 19 19 83

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 19, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>OK</u>	Plat: <u>AD</u>	Casing: <u>AD</u>	Fee: _____
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T. L. ...
 Administrator, Office of Oil and Gas

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



3) Well No. 013
4) State 47
5) County Putnam

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, HEALTH AND LABOR
OFFICE USE ONLY

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

1) LOCATION: District: Putnam County, West Virginia
2) WELL OPERATOR: 300 Madison Ave., Fifth Floor, New York, New York 10017
3) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: R. J. ...
4) PROPOSED WELL WORK: Plug off old formation, Prolate new formation
5) GEOLOGICAL TARGET FORMATION: ...
6) Estimated depth of completed well: ...
7) Approximate rate of flow: ...
8) Approximate coal seam depths: ...
9) CASING AND TUBING PROGRAM: ...

RECEIVED
OIL & GAS DIVISION
DEPT. OF MINES
SEP 20 1983

Casing or Tubing Type	Size	Depth	Specifications		Footage Intervals		Cement	Packers
			Weight	Grade	Top of string	Bottom of string		
Production	4 1/2"	10.5'	X	10.5'	2200'	2200'	230 s/s	
Intermediate	7"	0-55'	X	0-55'	2180'	2180'	100 s/s	
Coal								
Flow water	8 1/2"	1.5'	X	1.5'	400'	400'	To surface	

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: _____

NOTE: Keep one copy of this permit posted at the drilling location.
See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

05/17/2024

1) Date: August 3, 1983
2) Operator's Well No. 821
3) API Well No. 47 013 3652
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

5(i) COAL OPERATOR UNOPERATED
Address _____

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

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

(ii) Name _____
Address _____

Name _____
Address _____

(iii) Name _____
Address _____

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

RECEIVED
SEP 30 1983
OIL & GAS DIVISION
DEPT. OF MINES

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
Harry L. Berger, Jr.

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

this 3 day of August, 1983.
My commission expires May 10, 1989.

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

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.

05/17/2024

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 § 22-4-8a 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>
Victor Hamilton, Agent & POA for Nellie Hamilton Estate	Sterling Drilling & Prod. Co., Inc.	1/8	085 / 409
Leonard B. Marshall, Agent & POA for R.M. Marshall Estate			



1) Date: Sept. 8, 19 83
 2) Operator's Well No. 821
 3) API Well No. 47 State 013 County 3652 Permit

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

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 999.97' Watershed: Little Kanawha River
 District: Sheridan County: Calhoun Quadrangle: 7.5' Annamoriah
- 6) WELL OPERATOR Sterling Drilling & Prod. Co., Inc. 7) DESIGNATED AGENT Harry L. Berger, Jr.
 Address 360 Madison Ave. Fifth Floor Address 710 Virginia St., E.
New York, New York 10017 Charleston, W.V. 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 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 X / Drill deeper _____ / Redrill _____ / Stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, BROWN SHALE
 12) Estimated depth of completed well, 5200 feet
 13) Approximate strata depths: Fresh, _____ feet; salt, _____ feet.
 14) Approximate coal seam depths: 0 Is coal being mined in the area? Yes _____ / No X /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	<u>9 5/8</u>	<u>LS</u>	<u>33#</u>	<u>X</u>		<u>400'</u>	<u>400'</u>	<u>To Surface</u>	Sizes
Coal									Depths set
Intermediate	<u>7"</u>	<u>J-55</u>	<u>20#</u>	<u>X</u>		<u>2150'</u>	<u>2150'</u>	<u>100 sks</u>	Perforations: Top Bottom
Production	<u>4 1/2</u>	<u>ERW</u>	<u>10.5#</u>	<u>X</u>			<u>5200'</u>	<u>250 sks</u>	
Tubing									
Liners									

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The 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.

October 19 83

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 the filing of the Application.

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.

Date: _____, 19 _____

By: _____

Its: _____

05/17/2024
Coal Owner



RECEIVED

AUG 13 1984

1) Date: May 16, 19 84

2) Operator's Well No. 821 - Rev.

3) API Well No. 47 - 013 - 3652-REV
State _____ County _____ Permit _____

Formerly 013 - 3652

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

OIL & GAS DIVISION
DEPT. OF MINES

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas /
B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1006.54' Watershed: Little Kanawha River LK
District: Sheridan County: Calhoun Quadrangle: 7.5' Annamoriah
- 6) WELL OPERATOR Sterling Drilling & Prod. Co., Inc DESIGNATED AGENT Harry L. Berger
Address 360 Madison Ave. Fifth Floor Address 710 Virginia St., E.
New York, New York 10017 Charleston, W.V. 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Deo Mace
Address Rt. 1 Box 5
Sandridge, W.V. 25274
- 9) DRILLING CONTRACTOR: Name 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, 5450 feet
- 13) Approximate trata depths: Fresh, _____ feet; salt, _____ feet.
- 14) Approximate coal seam depths: 0 Is coal being mined in the area? Yes _____ / No /

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		500'	500'	To Surface	NEAT
Coal									Sizes
Intermediate	7"	J-55	20#	X		2150'	2150'	100 sks	
Production	4 1/2	ERW	10.5#	X			5450'	250 sks	Depths set
Tubing									or as required by rule
Liners									Perforations: 15.0'
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-013-3652-REV

September 11, 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 September 11, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>148</u> BLANKET	Agent: <u>MU</u>	Plat: <u>MU</u>	Casing: <u>MU</u>	Fee: <u>7636</u>
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Margaret J. Hassel
Administrator, Office of Oil and Gas

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



RECEIVED
AUG 13 1984

OFFICE USE ONLY

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

1) LOCATION: B (1) "C" Production
 2) LOCATION: Elevation: 1100 ft. West of: Little Kanawha River
 3) WELL OPERATOR: Sterling Drilling & Tool Co., Inc. Designated Agent: Betty L. Berger
 4) ADDRESS: 100 Madison Ave., 11th Floor, New York, New York 10017
 5) ADDRESS: 100 Madison Ave., 11th Floor, New York, New York 10017
 6) ADDRESS: 100 Madison Ave., 11th Floor, New York, New York 10017
 7) ADDRESS: 100 Madison Ave., 11th Floor, New York, New York 10017
 8) ADDRESS: 100 Madison Ave., 11th Floor, New York, New York 10017
 9) ADDRESS: 100 Madison Ave., 11th Floor, New York, New York 10017
 10) ADDRESS: 100 Madison Ave., 11th Floor, New York, New York 10017
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 16) ADDRESS: 100 Madison Ave., 11th Floor, New York, New York 10017
 17) ADDRESS: 100 Madison Ave., 11th Floor, New York, New York 10017
 18) ADDRESS: 100 Madison Ave., 11th Floor, New York, New York 10017
 19) ADDRESS: 100 Madison Ave., 11th Floor, New York, New York 10017
 20) ADDRESS: 100 Madison Ave., 11th Floor, New York, New York 10017

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		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____
 Reason: _____

Blaker	MJL	11/17/84	11/17/84
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05/17/2024

RECEIVED

AUG 13 1984

1) Date: May 16, 1984
2) Operator's Well No. 821 - Rev.
3) API Well No. 47-013-3652-Rev.
State County Permit

OIL & GAS DIVISION DEPARTMENT OF MINES, OFFICE OF OIL & GAS
DEPT. OF MINES
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

Formerly 013 - 3652

4) SURFACE OWNER(S) OF RECORD TO BE SERVED
(i) Name Westvaco Corp. Attn. Roel Brand
Address #2 Ferguson Dr.
Parkersburg, W.V. 26101
(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 16 day of May, 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

05/17/2024

RECEIVED
MAY 17 1984
DEPT. OF MINES

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>
Victor Hamilton Box 236 Grantsville, W.V. 26147	Sterling Drilling and Production Co., Inc.	1/8	088/145
Leonard B. Marshall			



DATE 7-14-83

WELL NO. Hamilton Agent # 821

State of West Virginia

API NO. 47-013-3452

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 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: 7-18-83
(Date)

Jarrett Newton
(SCD Agent)

ACCESS ROAD

LOCATION

Structure		Structure	(1)
Spacing		Material	
Page Ref. Manual		Page Ref. Manual	
Structure	<u>Drainage Ditches</u>	Structure	<u>Rip-Rap</u> (2)
Spacing	<u>Roadside</u>	Material	<u>Rock</u>
Page Ref. Manual	<u>2-12</u>	Page Ref. Manual	<u>2-9</u>
Structure	<u>Cross Ditches</u> (C)	Structure	(3)
Spacing	<u>200' for 2-3% grade</u>	Material	
Page Ref. Manual	<u>2-4</u>	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		Treatment Area II	
Lime	<u>2</u> Tons/acre	Lime	<u>2</u> Tons/acre
or correct to pH	<u>6.5</u>	or correct to pH	<u>6.5</u>
Fertilizer	<u>600</u> lbs/acre	Fertilizer	<u>600</u> lbs/acre
	(10-20-20 or equivalent)		(10-20-20 or equivalent)
Mulch Hay	<u>2</u> Tons/acre	Mulch Hay	<u>2</u> Tons/acre
Seed*	<u>Ky-21</u> <u>40</u> lbs/acre	Seed*	<u>Ky-31</u> <u>30</u> lbs/acre
	<u>Ladino Clover</u> <u>4</u> lbs/acre		<u>Orchard grass</u> <u>10</u> lbs/acre
	lbs/acre		<u>Ladino Clover</u> <u>4</u> lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount. Moore's Well Services, Inc.

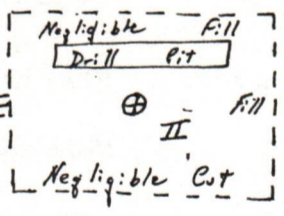
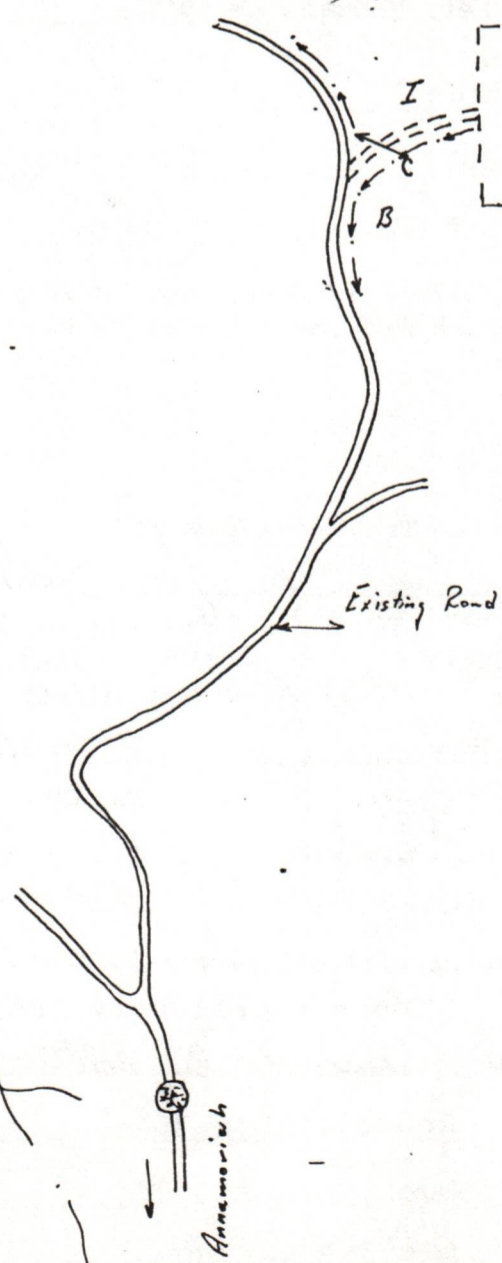
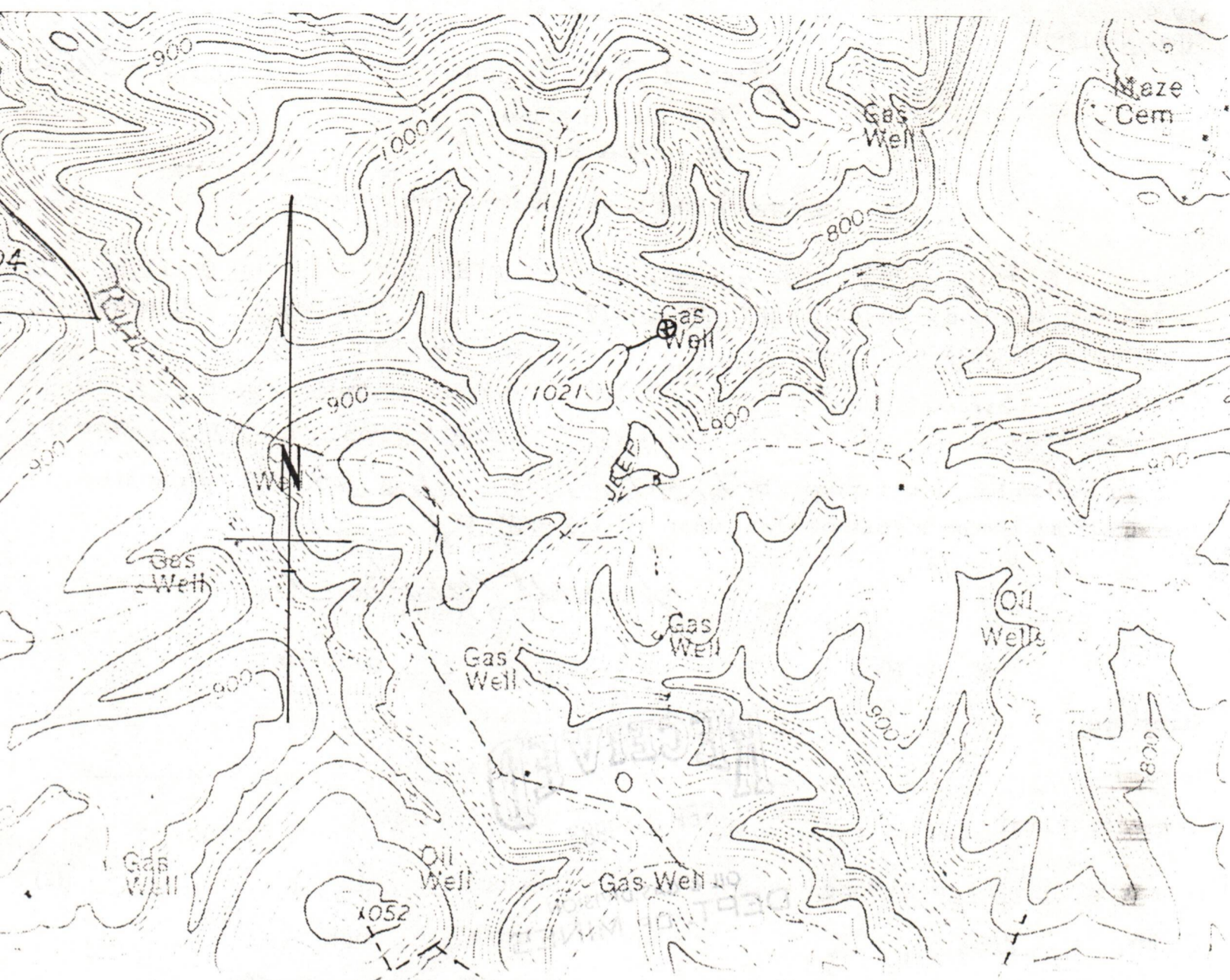
PLAN PREPARED BY Richard A. Campbell

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.

05/17/2024



Little Kanawha

05/17/2024



IV-35
(Rev 8-81)

Date Oct. 18, 1984

Operator's

Well No. 821

Farm Victor Hamilton

API No. 47 - 013 - 3652

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State of West Virginia
Department of Mines
Oil and Gas Division
NOV 5 - 1984

OIL & GAS DIVISION
DEPT. OF MINES
WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1006.54 Watershed Little Kanawha River

District: Sheridan County Calhoun Quadrangle 7 1/2' Annamoriah

COMPANY Sterling Drilling & Production Co., Inc.

ADDRESS 710 Virginia St., E, Charleston, WV

DESIGNATED AGENT Harry L. Berger, Jr. 25301

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

SURFACE OWNER Westvaco Corp.

ADDRESS Box 577, Rupert, WV 25984

MINERAL RIGHTS OWNER Victor Hamilton

ADDRESS Gen. Del. Grantsville, WV 26147

OIL AND GAS INSPECTOR FOR THIS WORK Deo

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

PERMIT ISSUED 9/11/84 25274

DRILLING COMMENCED 9/11/84

DRILLING COMPLETED 9/17/84

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8	527'	527'	to surface
8 5/8			
7	2137'	2137'	175 sx
5 1/2			
4 1/2		5344'	300 sx
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5450 feet

Depth of completed well 5379' feet Rotary / Cable Tools

Water strata depth: Fresh N/A feet; Salt 1779' feet

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

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 2498'-4960' feet

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

Final open flow 375 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 44 hours 05/17/2024

Static rock pressure 750 ,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

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

Perforations: 77 holes 2498' - 4960'

Treatment: 2750 gal 15% HCL; 4191 MSCF N₂

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fr and salt water, coal, oil and
					all measurements 10' KB
Sandstone & shale			0	1290	
Salt Sand			1290	1389	
Sand & Shale			1389	1803	
Maxon			1803	1860	
Little Lime & Shale			1860	1875	
Pencil Cave			1875	1890	
Big Lime			1890	1990	
Big Injun			1990	2039	
Siltstone & Shale			2039	2392	
Sunbury Shale			2392	2406	
Sandy Siltstone & Shale			2406	2758	
Gordon			2758	2764	
Grey Silty Shale			2764	4824	
Grey Siltstone			4824	4858	
Grey Shale			4858	5379	TD 5379 KB

(Attach separate sheets as necessary)

05/17/2024

Sterling Drilling and Production Co., Inc.
Well Operator

By: Harry L. Berger

Date: Oct. 18, 1984

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic

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

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OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 13-3652

Oil or Gas Well _____
(KIND)

Company Stevley Drilling

Address _____

Farm Hamilton

Well No. 821

District Shelburne County Coal

Drilling commenced _____

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 3/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

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

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names Hunt 7

Remarks: Spudding 7 PM.

9-11-84

DATE

D. W. Mac 05/17/2024

DISTRICT WELL INSPECTOR

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

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OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 13-3652

Oil or Gas Well _____
(KIND)

Company Sterling
 Address _____
 Farm Hamilton
 Well No. 821
 District Shenandoah County Cal.
 Drilling commenced 9-11-84
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packerc
13			
10			Size of
8 1/4			
6 3/8			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names Hunt 7

Remarks:
9 5/8" casing, 427' Downed, 9-12-84
Good cement circulated.

9-12-84
DATE

H. W. Moore 05/17/2024
DISTRICT WELL INSPECTOR



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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
November 19, 1984

COMPANY Sterling Drilling & Prod. Co. PERMIT NO 013-3652-REN
710 Virginia Street, East FARM & WELL NO Westvaco Corp. #821
Charleston, West Virginia 25301 DIST. & COUNTY Sheridan/Calhoun

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

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

SIGNED W. W. Mace

DATE 4. 2 - 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. L. ...

Administrator-Oil & Gas Division

April 10, 1985

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 - 3652-Rev

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

3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)
5379 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. NOV - 1 1984
OIL & GAS DIV
DEPT. OF MINES
8084
 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.)
Sheridan 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.)
Hamilton #821

(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:
11 Million Cubic Feet

	(a) Base Price	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU <u>5 8 6 6</u>	<u> </u>	<u> </u>	<u> </u>
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU <u>5 8 6 6</u>	<u> </u>	<u> </u>	<u> </u>

9.0 Person responsible for this application:

Agency Use Only Date Received by Juris. Agency <u>NOV - 1 1984</u> Date Received by FERC	Name <u>Harry L. Berger, Jr.</u> Designated Agent Title <u> </u> Signature <u>Harry L. Berger Jr.</u> Date Application is Completed <u>Oct. 18, 1984</u> Phone Number <u>304-342-0121</u>
---	--

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OIL & GAS DIV
DEPT. OF MINES
8084

05/17/2024

NOV 29 1984

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

47-013-3652--Rev

Date: Oct. 18, 1984

AGENCY USE ONLY

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

WELL DETERMINATION FILE NUMBER

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

841101 -107-013-3652

Gas Purchaser Contract No.

Use Above File Number on all
Communications Relating to This Well

Date of Contract (Month, day and year)

Designated Agent: Harry L. Berger, Jr.

First Purchaser: UNDEDICATED

Address: Sterling Drilling & Prod. Co., Inc.

Address: (Street or P.O. Box)

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

(City) (State) (Zip Code)

FERC Seller Code 018084

FERC Buyer Code

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

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

Agent
(Title)

Signature: *Harry L. Berger Jr*

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

(Street or P.O. Box)
Charleston, WV 25301

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

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

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

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

- 103 New Onshore Production Well
 - 103 New Onshore Production Well

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

AGENCY USE ONLY

QUALIFIED

05/17/2024

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OIL & GAS DIV.
DEPT. OF MINES

Date Received

Determination Date

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's Well No. 821 Hamilton
API Well No.
47 - 013 - 3652-Rev
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 1006.54

WELL OPERATOR Sterling Drilling and Production Watershed Little Kanawha River
Co., Inc.

ADDRESS 710 Virginia St., East
Charleston, WV 25301
Dist. Sheridan County Calhoun Quad. 7 1/2 Annamor

Gas Purchase Contract No.

GAS PURCHASER UNDEDICATED

Meter Chart Code

ADDRESS

Date of Contract

* * * * *

Date surface drilling began: 9/11/84

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

Bottom Hole Pressure. PSIA -- Pf = Pwe XLGS

t = 60 + (0.0075 x 5379) + 459.67 = 560 . X = 1 / 53.34 x 560 = .0000335

Pf = 750 x 2.7183 .0000335 x 3729 x 1.690 x 1.08 = 823 PSIA

AFFIDAVIT

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

Harry L. Berger Jr.

STATE OF WEST VIRGINIA

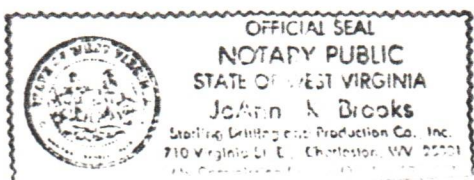
COUNTY OF Kanawha, TO-WIT:

I, JoAnn K Brooks, a Notary Public in and for the state and county aforesaid, do certify that Harry L. Berger, Jr., whose name is signed to the writing above, bearing date the 24 day of October, 1984, has acknowledged the same before me, in my county aforesaid.

05/17/2024

Given under my hand and official seal this 24 day of October, 1984.
My term of office expires on the 29 day of October, 1991.

(NOTARIAL SEAL)



JoAnn K Brooks
Notary Public

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

Operator: Sterling Drilling and Production Co., Inc. Agent: H.L. Berger
 Type Determination being sought - 107 (Devonian Shale)
 API Well No.: 47-013-3652 Rev. Well Name: HAMILTON # 821-Rev
 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:

Gamma Ray Scale = 0 → 200 API Units

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

1. GR Value = 170 * API Units
2. Calculation: $\frac{0.7 \text{ (GR Value at Base Line)}}{0.7 \text{ (} \underline{170} \text{ *)} = \underline{119}$ 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>2406'</u>	<u>5360'</u>		

Total Devonian Interval 2954'

Total Less Than 0.7 (Shale Base)

24'

% Less Than 0.7 (Shale Base Line) = $\frac{0.008}{2954} \times 100 = \underline{0.8\%}$

05/17/2024


*Marked on log included with analysis.

**Top of Devonian Section Recorded on First Interval in this Column.

***Lesser of TD or Bottom of Devonian Section Recorded as last Interval in this Column.

22 824 No. 173702
 RECEIPT FOR CERTIFIED MAIL


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

SENT TO		WESTVACO CORP.		
STREET AND NO.		* 2 FURBUSHON DR.		
P.O., STATE AND ZIP CODE		BARKERSBURG, W.V. 26101		
POSTAGE		\$		
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE		¢	
	SPECIAL DELIVERY		¢	
	RESTRICTED DELIVERY		¢	
	OPTIONAL SERVICES	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	\$2.74			
POSTMARK OR DATE				
				

PS Form 3800, Apr. 1976

821 823 No. 173702
 822 824
 825 RECEIPT FOR CERTIFIED MAIL

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

SENT TO		WESTVACO CORP.		
STREET AND NO.		* 2 FURBUSHON DR.		
P.O., STATE AND ZIP CODE		BARKERSBURG, W.V. 26101		
POSTAGE		\$		
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE		¢	
	SPECIAL DELIVERY		¢	
	RESTRICTED DELIVERY		¢	
	OPTIONAL SERVICES	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	\$2.74			
POSTMARK OR DATE				
				

PS Form 3800, Apr. 1976

013-3652

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 OIL & GAS DIVISION
 DEPT. OF MINES

05/17/2024

821-Rev.

P 377 647 986

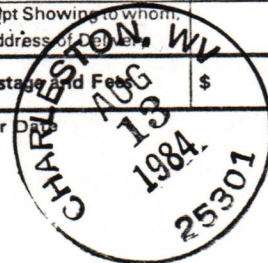
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to ROEL BRAND	
WESTVACO CORP.	
Street and No. * Z FURBESON DR.	
P.O., State and ZIP Code PARKERSBURG, W. V. 26101	
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	\$
Postmark or Date	

PS Form 3800, Feb. 1982



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OIL & GAS DIVISION
DEPT. OF MINES

MW 8/31/84

15 LATITUDE 39°00'

4600'

7 1/2' LATITUDE 38°57'30"

D. E. MONROE

C-3409

7 1/2' TOPO LOCATION

GALL. R.O. STP. ON RIVER BANK

L.S. BELT, HRS.

LITTLE KANAWHA RIVER

WESTVACO 50'

STN. PILE COR. 20' FROM DRAIN

VICTOR HAMILTON, AGT., ET. AL.

RIVER BANK

315°

15' TOPO LOCATION

N10°48'E-1887.75'
N17°30'W-5808'
N10°48'W-4061.94' MAG.

S15°36'E
3605.75'

S22°07'W
322.85'

S38°W-5486.25' DEED

MAGNETIC NORTH WESTVACO

TOP KNOB EL. 1021'

PROPOSED LOCATION

WESTVACO

REFERENCE POINTS

PROPOSED LOCATION TO:

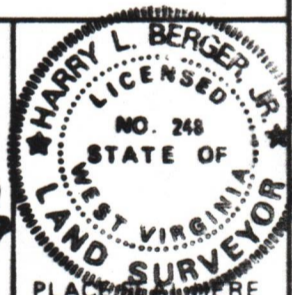
- 3' STAKE SET-N 20 E-200'
- 3' STAKE SET-S 23 W-250'

N. B. H-26, PG. 1 H-25, PG. 35 H-24, PG. 25 H-20, PG. 55

FILE NO. 043-007 NO. 1
 MAP NO. 58-A
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION U.S.G.S. DATA TOP KNOB EL. 1021' SHOWN

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 MARCH 14 19 84
 OPERATOR'S WELL NO. 921 REV.
 API WELL NO. 47-013-3652-Rev.
 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 1006.54' WATER SHED LITTLE KANAWHA RIVER
 DISTRICT SHERIDAN COUNTY GALHOUN
 QUADRANGLE 7 1/2' ANNAMORIAH (ARNOLDSBURG N.W.)
 SURFACE OWNER WESTVACO CORP. ACREAGE 315
 OIL & GAS ROYALTY OWNER VICTOR HAMILTON, AGT., ET. AL. LEASE ACREAGE 315 05/17/2024
 LEASE NO. 043-007

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 5450'
 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



DATE 3-30-84

IV-9

(Rev. 8-61)

WELL NO. Hamilton # 821 Rev

RECEIVED

State of West Virginia

API NO. 47 - 013 - 3652 - Rev

AUG 13 1984

Department of Mines

Oil and Gas Division

OIL & GAS DIVISION

DEPT. OF MINES

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: 3-31-84

(Date)

Garrett Newton
(SCD Agent)

ACCESS ROAD

LOCATION

ACCESS ROAD	LOCATION
Structure _____ (A)	Structure _____ (1)
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____
Structure <u>Drainage Ditches</u> (B)	Structure <u>Rip-Rap</u> (2)
Spacing <u>Roadside</u>	Material <u>Rock</u>
Page Ref. Manual <u>2-12</u>	Page Ref. Manual <u>2-9</u>
Structure <u>Cross Ditches</u> (C)	Structure _____ (3)
Spacing <u>200' spacing 6-10'</u>	Material _____
Page Ref. Manual <u>2-4 Table 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

Treatment Area II

Line 2 Tons/acre
or correct to pH 6.5

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

Mulch Hay 2 Tons/acre

Seed* Ky-31 40 lbs/acre
Ladino Clover 4 lbs/acre
_____ lbs/acre

Line 2 Tons/acre
or correct to pH 6.5

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

Mulch Hay 2 Tons/acre

Seed* Ky-31 40 lbs/acre
Ladino Clover 4 lbs/acre
_____ lbs/acre

05/17/2024

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

Moore's Well Services, Inc.

PLAN PREPARED BY Richard A. Campbell

ADDRESS Route 1 Box 30

Duck, WV 25063

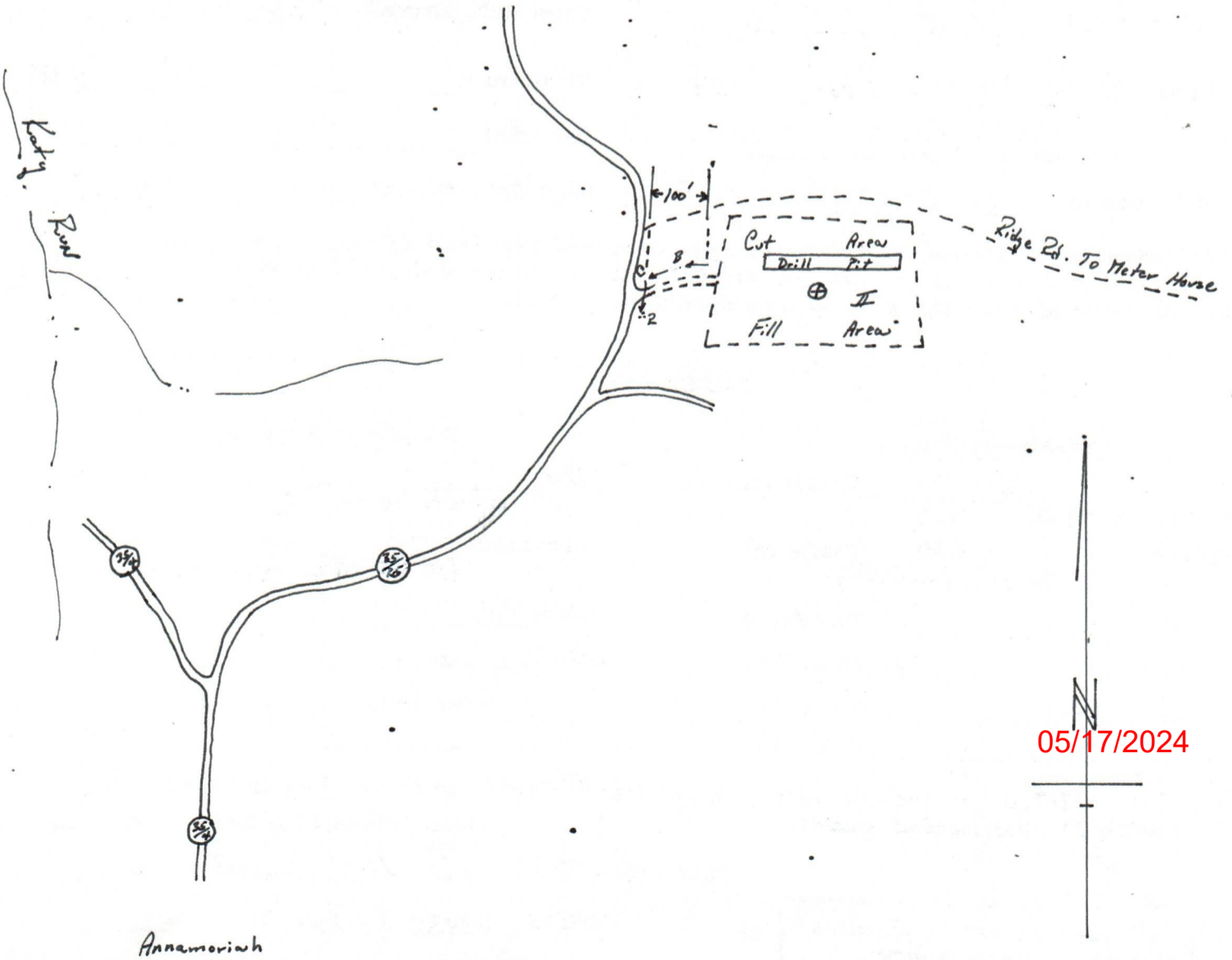
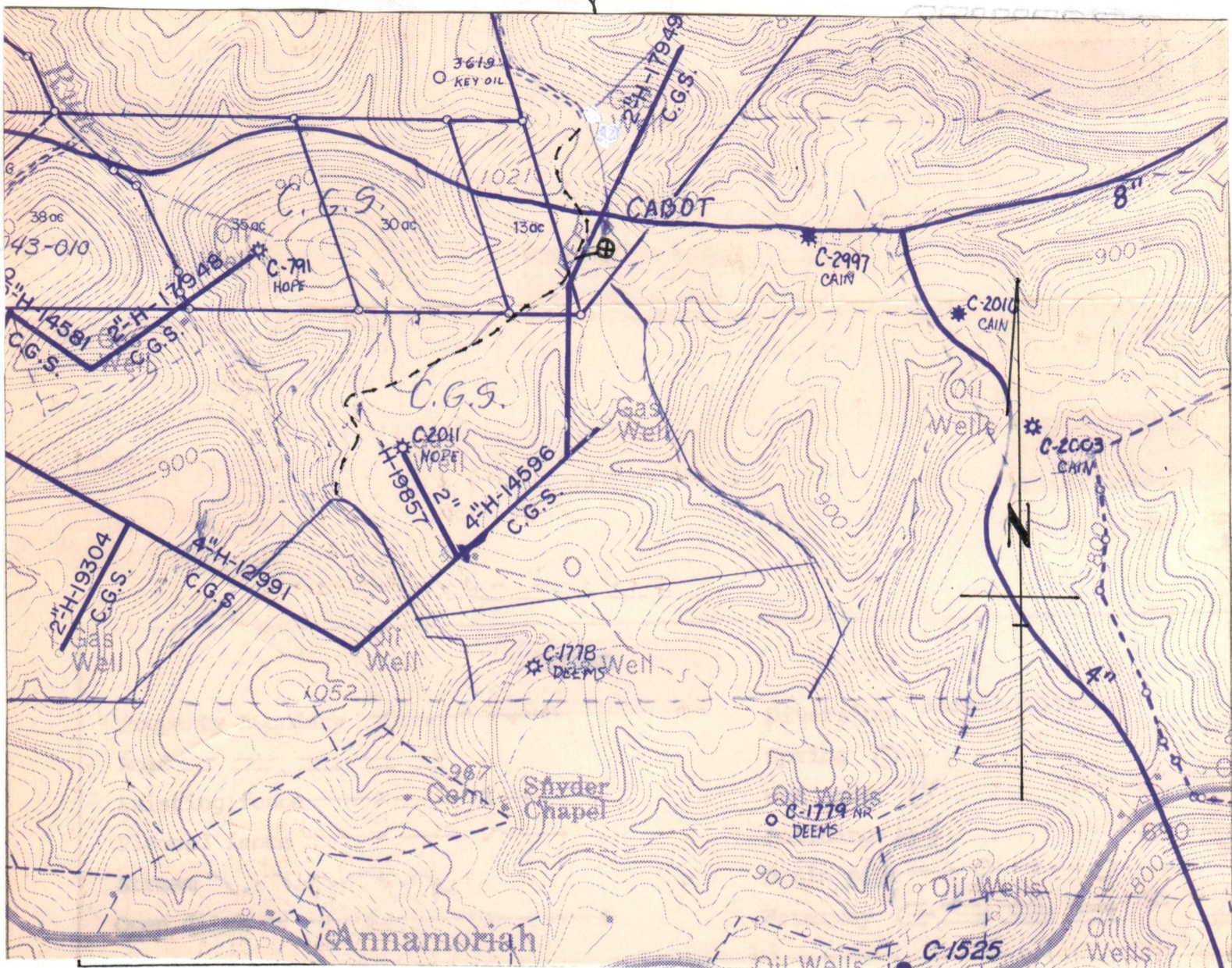
PHONE NO. (304) 364-5780

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

A12
IV-9 REVERSE
(REV 8-81)

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

Well Site
Access Road



05/17/2024