



1) Date: September 1, 1983
 2) Operator's Well No. 844
 3) API Well No. 47 013 3646
 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: 1043.67' Watershed: Laurel Shoal Run
 District: Lee County: Calhoun Quadrangle: 7.5' Arnoldsburg
- 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 $\frac{1}{4}$
 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, 5350 feet
- 13) Approximate strata 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

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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		350'	350'	To Surface	By Rule 15-05
Coal									Sizes
Intermediate	7"	J-55	20#	X		2225'	2225'	100 sks	
Production	4 1/2	ERW	10.5#	X			5350'	250 sks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-013-3646

October 19 19 83
 Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires October 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>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>5556</u>
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[Signature]
 Administrator, Office of Oil and Gas

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



OFFICE USE ONLY

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

1) WELL LOCATION: B (L) Gas, Production, Underground storage, Shallow, Depth, Elevation, 300.57, Wellhead, 300.57, District, Lee, County, Calhoun, Quarter, A.E. Stoneburg

2) WELL OPERATOR: Stearns Drilling & Prod. Co., Inc. Designated Agent, Barry J. Berger, Jr., 300 Madison Ave., First Floor, New York, New York 10017, Address, 300 Madison Ave., First Floor, New York, New York 10017

3) OIL & GAS INSPECTOR TO BE NOTIFIED: Name, Don Maco, Address, Rt. 1 Box 5, Sandridge, W.V. 26041

4) PROPOSED WELL WORK: Drilling, Re-drill, A Drill, depth, 3350, Plug off old formation, Partially new formation, Other physical change in well (depth), 3350

5) GEOLOGICAL TARGET FORMATION: 3350

6) Estimated depth of cased well: 3350

7) Approximate true depth: 3350

8) Approximate casing depth: 3350

9) CASING AND TUBING PROGRAM: 3350

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 OIL & GAS DIVISION
 DEPT. OF MINES

Casing or Tubing Type	Casing or Tubing Size	Casing or Tubing Weight	SPEAR POINTS		FOOTCATCHERS		Cement Slab	Packers
			Top	Bottom	Top	Bottom		
Conductor	8 1/2	25	350'	350'				
Production	4 1/2	20.5	3350'	3350'				

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: _____

Permit No.	47-013-3040
Inspector	ok
Supervisor	ok
Operator	ok
Witness	ok

12/08/2023



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

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 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
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 District: Lee County: Calhoun Quadrangle: 7.5' Arnoldsburg
- 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 9) DRILLING CONTRACTOR:
 Name Deo Mace Name UNKNOWN AT THIS TIME
 Address Rt. 1 Box 5 Address _____
Sandridge, W.V. 25274
- 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, 5350 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		Kinds	Sizes
Conductor										
Fresh water	<u>9 5/8</u>	<u>LS</u>	<u>33#</u>	<u>X</u>		<u>350'</u>	<u>350'</u>	<u>To Surface</u>	<u>By 1/4" 150'</u>	
Coal										
Intermediate	<u>7"</u>	<u>J-55</u>	<u>20#</u>	<u>X</u>		<u>2225'</u>	<u>2225'</u>	<u>100 sks</u>		
Production	<u>4 1/2</u>	<u>ERW</u>	<u>10.5#</u>	<u>X</u>			<u>5350'</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.

BB OK 5556
 Date: _____, 19 _____ By: _____

12/08/2023
 Coal Owner



DATE 1-10-84

WELL NO. Morgan #844 Rev

State of West Virginia

API NO. 47-013-3646

Department of Mines
Oil and Gas Division

REVISED REC. PLAN ONLY
LOCATION NOT MOVED

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 Charles A. Newhart

SOIL CONS. DISTRICT Little Kanawha SCD

Revegetation to be carried out by Sterling Drilling & Prod. Co. - H.L. Berger (agent)

This plan has been reviewed by Little Kanawha SCD. All corrections ;

and additions become a part of this plan: 1-16-84

(Date)

Charles A. Newhart
SIGN HERE

Garrett Newton
(SCD Agent)

Audena Newhart 1-21-84
ACCESS ROAD

LOCATION

Structure	(A)	Structure	<u>Diversion Ditch</u>	(1)
Spacing		Material	<u>Earthen</u>	
Page Ref. Manual		Page Ref. Manual	<u>2-12</u>	
Structure	(B)	Structure	<u>Rip-Rap</u>	(2)
Spacing	<u>2 roadside</u>	Material	<u>Rock</u>	
Page Ref. Manual	<u>2-12</u>	Page Ref. Manual	<u>2-9</u>	
Structure	(C)	Structure	<u>Cross Ditches</u>	(3)
Spacing	<u>300' for 6-10%</u>	Material		
Page Ref. Manual	<u>2-8 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
Lespedeza 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
Lespedeza Clover 4 lbs/acre
lbs/acre

12/08/2023

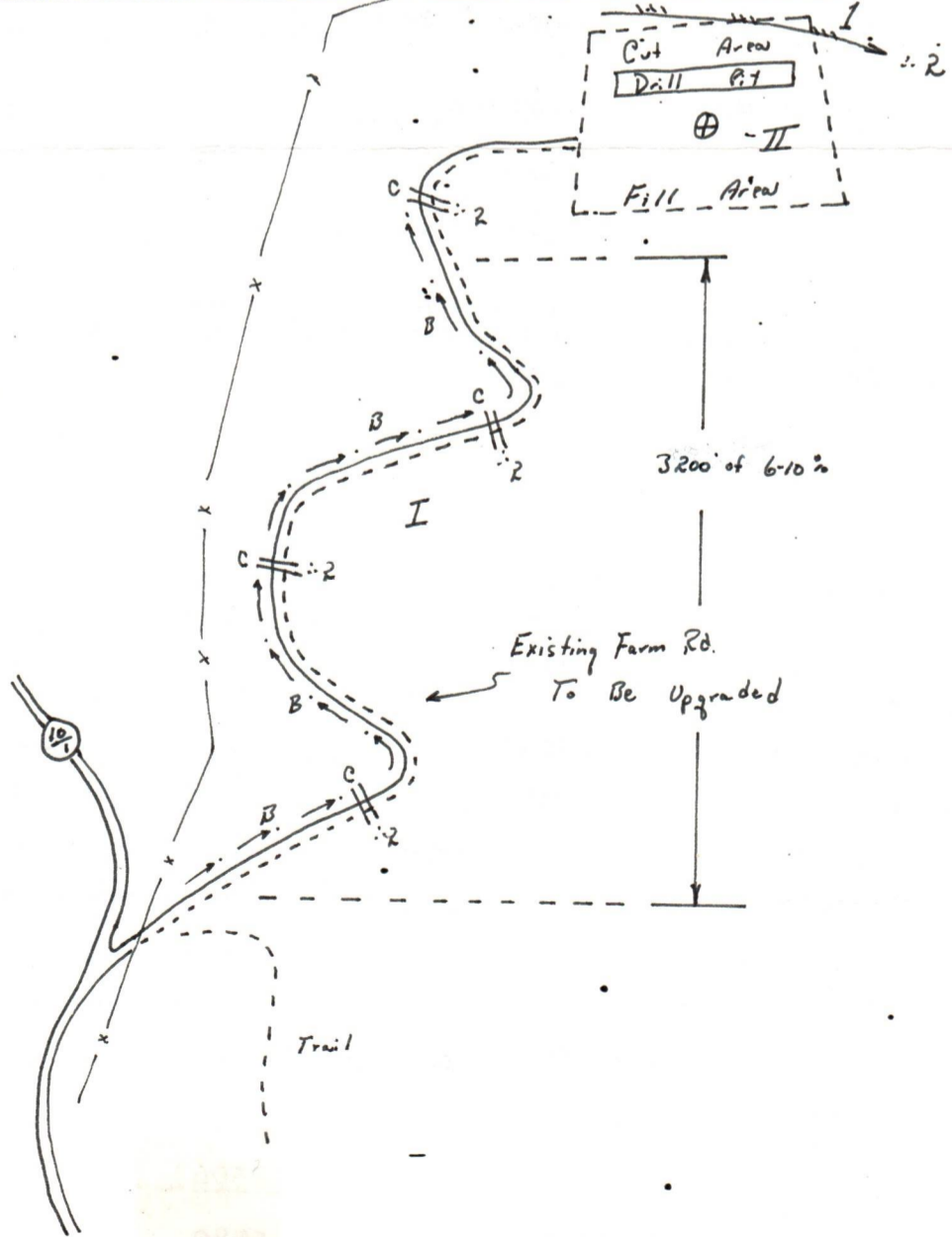
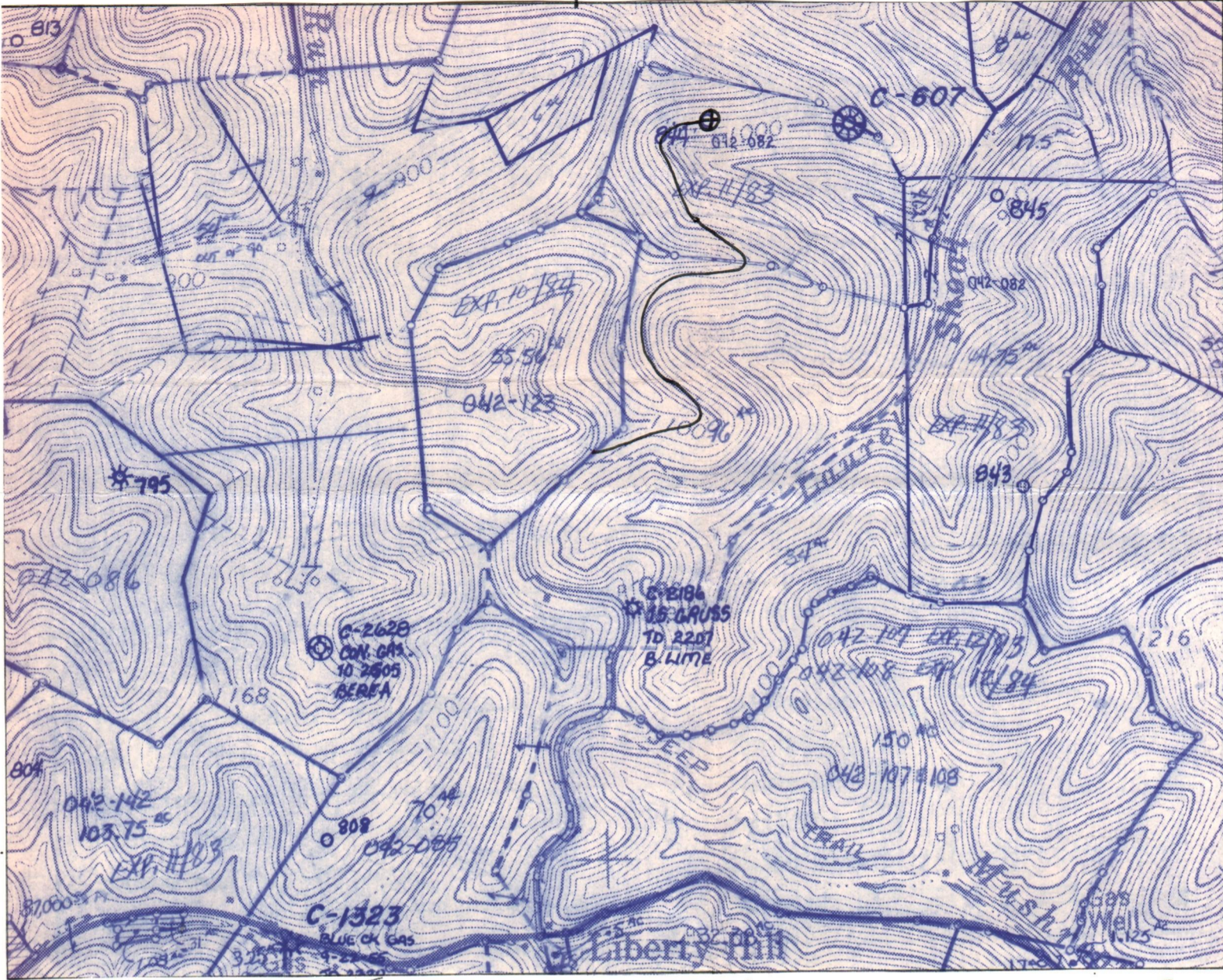
*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

Moore's Well Services, Inc.

PLAN PREPARED BY Richard A. Campbell

ADDRESS Route 1 Box 30
Duck, WV 25063

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



12/08/2023



IV-9
(Rev 8-81)

DATE 9-6-83
WELL NO. Morgan # 844
API NO. 47-013-3646

State of West Virginia
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 Charles A. Newhart 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: 9-9-83
(Date)

Jarrett Newton
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>Culvert</u> (A)	Structure <u>Diversion Ditch</u> (1)
Spacing <u>Side 12"</u>	Material <u>Earthen</u>
Page Ref. Manual <u>2-8</u>	Page Ref. Manual <u>2-12</u>
Structure <u>Drainage Ditches</u> (B)	Structure <u>Rip-Rap</u> (2)
Spacing <u>Roadside</u>	Material <u>Rock</u>
Page Ref. Manual <u>2-12</u>	Page Ref. Manual <u>2-9</u>
Structure <u>Cross Ditches</u> (C)	Structure <u>RECEIVED</u> (3)
Spacing <u>135' spacing for 5 1/2" - 6 1/2" grade</u>	Material <u>SEP 30 1983</u>
Page Ref. Manual <u>2-4</u>	Page Ref. Manual <u>OIL & GAS DIVISION DEPT. OF MINES</u>

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I	
Lime <u>2</u> Tons/acre	or correct to pH <u>6.5</u>
Fertilizer <u>600</u> lbs/acre	(10-20-20 or equivalent)
Mulch <u>Hay</u> 2 Tons/acre	
Seed* <u>Ky-31</u> 40 lbs/acre	
<u>Ladino Clover</u> 4 lbs/acre	
	lbs/acre

Treatment Area II	
Lime <u>2</u> Tons/acre	or correct to pH <u>6.5</u>
Fertilizer <u>600</u> lbs/acre	(10-20-20 or equivalent)
Mulch <u>Hay</u> 2 Tons/acre	
Seed* <u>Ky-31</u> 40 lbs/acre	
<u>Ladino Clover</u> 4 lbs/acre	
	lbs/acre

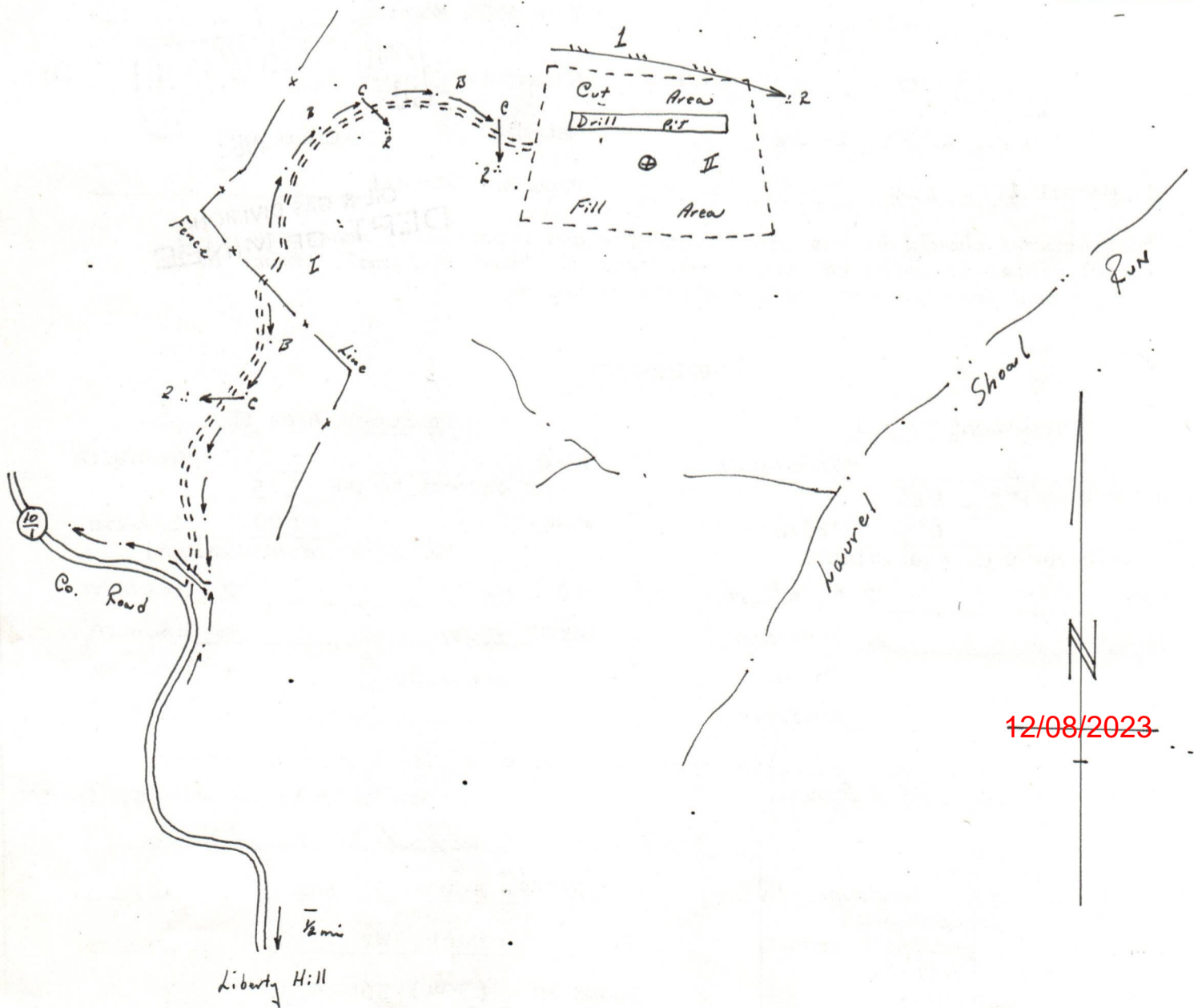
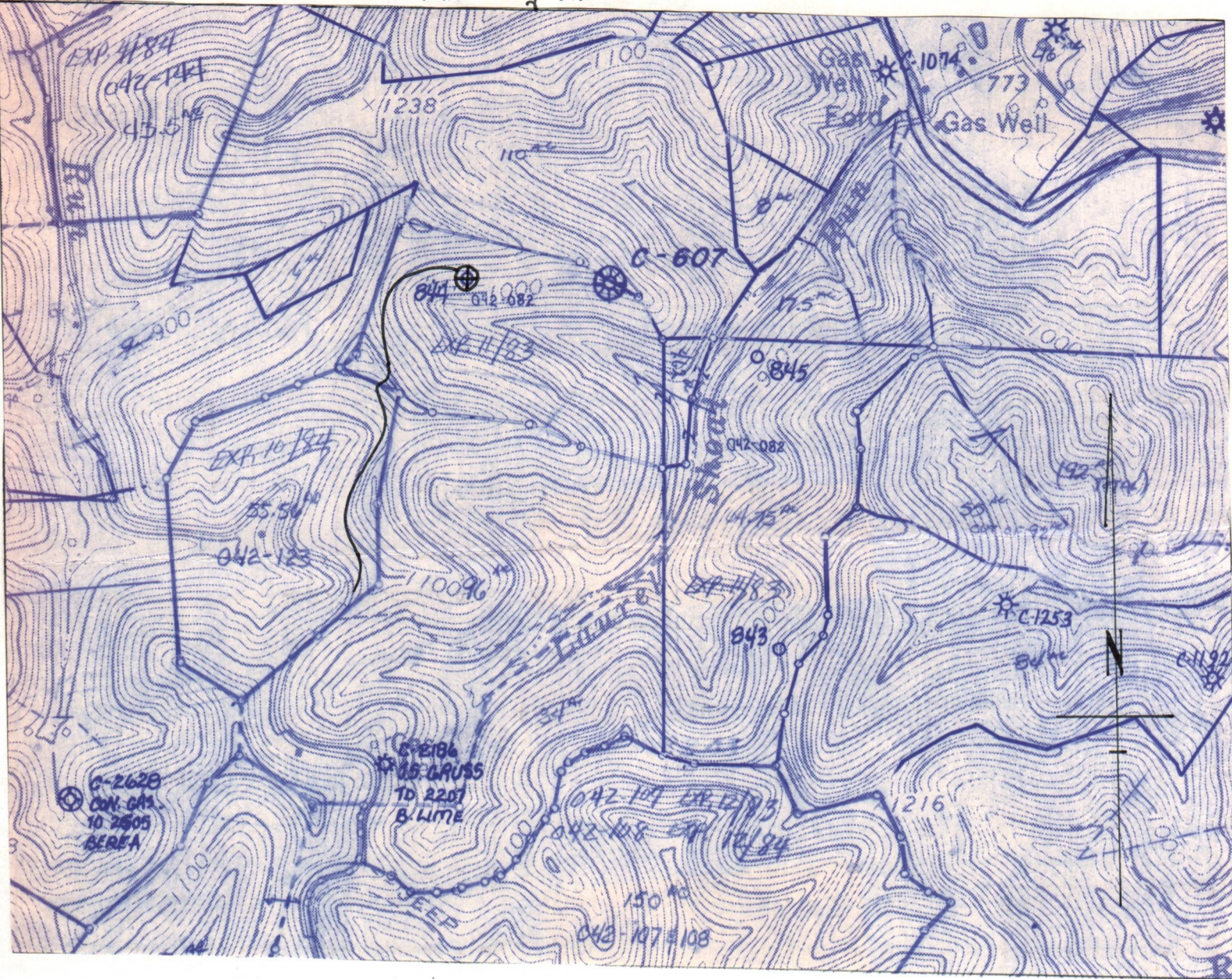
12/08/2023

*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.



1) Date: Sept. 1, 19 83
2) Operator's Well No. 844
3) API Well No. 47 013 3646
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 Charles A. Newhart
Address P.O. Box 351

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:

(ii) Name Williamstown, W.V. 26187

Name UNKNOWN
Address _____

(iii) Name _____
Address _____

Name _____
Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:

Name _____
Address _____

RECEIVED
SEP 30 1983

TO THE P

- (1)
- (2)
- (3)

P 522 056 688

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED --
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to CHARLES A. NEWHART

Street and No. P.O. Box 351

P.O., State and ZIP Code WILLIAMSTOWN, W.V., 26187

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

PS Form 3800, Feb. 1982

documents:
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OIL & GAS DIVISION
DEPT. OF MINES

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THE
WHICH ARE
(FORM IV-
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Take
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for a Well

Department

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 342 - 0121

this 1 day of September, 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.

12/08/2023

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

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 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>
Owen Morgan C.R. Newhart Quinton Morgan Bob Morgan Robert Stephens Imogene Campbell Dolly Morgan Lenova Davis Arthur Morgan	Sterling Drilling and Production Co., Inc.	1/8	083/639



1) Date: September 1, 1983
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Coal									Sizes
Intermediate	<u>7"</u>	<u>J-55</u>	<u>20#</u>	<input checked="" type="checkbox"/>				<u>100 sks</u>	Depths set
Production	<u>4 1/2</u>	<u>ERW</u>	<u>10.5#</u>	<input checked="" type="checkbox"/>				<u>250 sks</u>	Perforations:
Tubing									Top Bottom
Liners									

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

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

47-013-3646

October 19

83

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.) October 19, 1983

(For execution by natural persons)

NAME: _____
 By [Signature] _____
 Its _____ Date 5556

Charles R Newhart Date: 9-26-83
 (Signature)
Audena P. Newhart Date: 9-26-83
 (Signature)
 Address - 445 Highland Ave
Williamstown - W.Va.

12/08/2023
 Surface Owner

**INSTRUCTIONS TO SURFACE OWNERS
AND
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (**NOTE:** If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- “(1) The proposed well work will constitute a hazard to the safety of persons; or
- “(2) The plan for soil erosion and sediment control is not adequate or effective; or
- “(3) Damage would occur to publicly owned lands or resources; or
- “(4) The proposed well work fails to protect fresh water sources or supplies.”

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.



1) Date: Sept. 1, 1983
 2) Operator's Well No. 845
 3) API Well No. 47
 State _____ County _____ Permit _____

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

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 843.90' / Watershed: Laurel Shoal Run
 District: Lee / County: Calhoun / Quadrangle: 7.5' Arnoldsburg
- 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 9) DRILLING CONTRACTOR:
 Name _____ Name _____
 Address _____ 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: _____ 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>250'</u>	<u>250'</u>	<u>To Surface</u>	
Coal									Sizes
Intermediate	<u>7"</u>	<u>J-55</u>	<u>20#</u>	<u>X</u>		<u>2065'</u>	<u>2065'</u>	<u>100 sks</u>	
Production	<u>4 1/2</u>	<u>FRW</u>	<u>10.6#</u>	<u>X</u>			<u>5200'</u>	<u>250 sks</u>	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: _____
 By _____
 Its _____ Date _____

Charles R. Newhart Date: 1-21-84
 (Signature)
Audena Newhart Date: 1-21-84
 (Signature)

**INSTRUCTIONS TO SURFACE OWNERS
AND
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (**NOTE:** If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.



RECEIVED

SEP 10 1984

IV-35 (Rev 8-81)

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

Date August 28, 1984 Operator's Well No. 844 Farm Bob Morgan, et. al. API No. 47 - 013 - 3646

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 /)

LOCATION: Elevation: 1043.67 Watershed Laurel Shoal Run District: Lee County Calhoun Quadrangle 7.5' Arnoldsburg

COMPANY Sterling Drilling & Production Co., Inc.

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

DESIGNATED AGENT Harry L. Berger, Jr. ADDRESS 710 Va. St., E. Charleston, WV 25301

SURFACE OWNER Charles R. Newhart

ADDRESS P. O. Box 351, Williamstown, WV 26187

MINERAL RIGHTS OWNER Bob Morgan, et. al.

ADDRESS General Delivery, Grantsville, WV 26147

OIL AND GAS INSPECTOR FOR THIS WORK Deo Mace

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

PERMIT ISSUED October 19, 1983

DRILLING COMMENCED April 9, 1984

DRILLING COMPLETED April 15, 1984

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

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

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5350 feet

Depth of completed well 5360KB feet Rotary X / Cable Tools

Water strata depth: Fresh 220 feet; Salt 1210 feet

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

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 3394-5306 feet

Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 211 Mcf/d Final open flow 1 Bbl/d

Time of open flow between initial and final tests 6 hours

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

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

Calc. - 3646

12/08/2023

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

Perforations: Stage One: 26 holes 4735' - 5306'
 Stage Two: 27 holes 4903' - 4632'
 Stage Three: 25 holes 3394' - 3993'

Treatment: Stage One: 700 gal. 15% HCL; 1,584 MSCF N₂; BD 3640#
 Stage Two: 900 gal. 15% HCL; 1,584 MSCF N₂; BD 3020#
 Stage Three: 900 gal. 15% HCL; 1,344 MSCF N₂; BD 2360#

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fre and salt water, coal, oil and g
Sandstone and Shale			0	1050	All measurements 10'KB
Salt Sand			1050	1279	
Shale			1279	1306	
Sand			1306	1323	
Sandy Shale			1323	1618	
Third Salt Sand			1618	1775	
Shale			1775	1820	
Maxon Snad			1820	1867	
Little Lime and Shale			1867	1900	
Pencil Cave			1900	1911	
Big Lime			1911	2070	
Siltstone and Shale			2070	2384	
Sunbury Shale			2384	2410	Gas show @ 2406'
Sandy Siltstone and shale			2410	2722	
Gordon			2722	2750	
Grey Silty Shale			2750	3502	
Light Brown and Grey shale			3502	3654	
Grey Silty Shale			3654	4020	Gas Show @ 3950'
Grey Sandy Siltstone			4020	4064	
Grey and Dark Shale			4064	4756	
Grey Sandy Siltstone			4756	4778	
Grey Shale			4778	4933	
Grey Sandy Siltstone			4933	4992	Gas show @ 4940'
Grey and Dark Shale			4992	5360	Gas show @ 5250' TD - 5360'

(Attach separate sheets as necessary)

Sterling Drilling and Production Co., 12/08/2023
 Well Operator

By: *Harry J. Berger Jr*

Date: *8-30-84*

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic
 detailed geological record of all formations, including



APR 15 1986

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
October 1, 1984

10-19-83

COMPANY Sterling Drilling & Production PERMIT NO 013-3646
710 Virginia Street, East FARM & WELL NO Charles Newhart #844
Charleston, West Virginia 25301 DIST. & COUNTY Lee/Calhoun

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	_____	_____
25.04	Prepared before Drilling to Prevent Waste	_____	_____
25.03	High-Pressure Drilling	_____	_____
16.01	Required Permits at Wellsite	_____	_____
15.03	Adequate Fresh Water Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement 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 Dew Mace

DATE 4-12-86

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

T. H. ...

Administrator-Oil & Gas Division

April 21, 1986

DATE

2013 11 14

[Handwritten signature]

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

1.0 API well number: 47 - 013 - 3646 -
(If not assigned, leave blank. 14 digits.)

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

3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)
5360 feet

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

5.0 Location of this well: (Complete (a) or (b).)
(a) For onshore wells (35 letters maximum for field name.)
Lee District
Field Name
Calhoun
County State WV

(b) For OCS wells:
Area Name Block Number

Date of Lease:
| | | | |
Mo. Day Yr. OCS Lease Number

(c) Name and identification number of this well: (35 letters and digits maximum.)
Morgan 844

(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:
6 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>5.834</u>	---	---	---

8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	---	---	---
---	---------	-----	-----	-----

9.0 Person responsible for this application:
Harry L. Berger, Jr. Designated Agent
Name Title
Harry L. Berger Jr.
Signature

Date Application is Completed 304-342-0121 12/08/2023
Phone Number

Agency Use Only
Date Received by Juris. Agency
SEP 10 1984
Date Received by FERC

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

GENERAL INSTRUCTIONS

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

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

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

SPECIFIC INSTRUCTIONS

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

Section of NGPA (a)	Category Code (b)	Description (c)
102	1	New OCS lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS lease
103	-	New onshore production well
107	0	Deep (more than 15,000 feet) high-cost gas
107	1	Gas produced from geopressed brine
107	2	Gas produced from coal seams
107	3	Gas produced from Devonian shale
107	5	Production enhancement gas
107	6	New tight formation gas
107	7	Recompletion tight formation gas
108	0	Stripper well
108	1	Stripper well - seasonally affected
108	2	Stripper well - enhanced recovery
108	3	Stripper well - temporary pressure buildup
108	4	Stripper well - protest procedure

Enter the appropriate information regarding other Purchasers/Contracts.

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

Remarks:

DBETD
 12/08/2023

SEP 27 1984

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: August 28, 1984

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

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

Gas Purchaser Contract No. _____

Date of Contract _____
(Month, day and year)

First Purchaser: _____

Address: _____
(Street or P.O. Box)

(City) (State) (Zip Code)

FERC Seller Code 018084

AGENCY USE ONLY

Inc. WELL DETERMINATION FILE NUMBER

840910 - 107 - 013 - 3646

Use Above File Number on all
Communications Relating to This Well

Designated Agent: Harry L. Berger, Jr.
Address: Sterling Drilling & Prod. Co., Inc.
710 Virginia St., E. Arcade Bldg.
Charleston, WV 25301

FERC Buyer Code _____

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

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

Signature: *Harry L. Berger, Jr.*

Address: Sterling Drilling & Prod. Co., Inc.
710 Virginia St., E., Arcade Bldg.
(Street or P.O. Box)
Charleston, WV 25301
(City) (State) (Zip Code)

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

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
- 102-2 2.5 Mile Test
 - 102-3 1000 Foot Deeper Test
 - 102-4 New Onshore Reservoir
- 103 New Onshore Production Well
- 103 New Onshore Production Well
- 107 High Cost Natural Gas
- 107-0 Deep (more than 15,000 feet)
 - 107-1 Geopressured Brine
 - 107-2 Coal Seams
 - 107-3 Devonian Shale
 - 107-5 Production enhancement
 - 107-6 New Tight Formation
 - 107-7 Recompletion Tight Formation

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

AGENCY USE ONLY

APPROVED

OCT - 3 1984
12/08/2023

RECEIVED

SEP 10 1984

OIL & GAS DIV.
DEPT. OF MINES

Date Received _____

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

Operator: Sterling Drilling & Production Co., Inc. Agent: H.L. Berger

Type Determination being sought - 107 (Devonian Shale)

API Well No.: 47-013-3646 Well Name: MORGAN # 844

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 = 160 * 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 = 160 * API Units

2. Calculation: $\frac{0.7 \text{ (GR Value at Base Line)}}{0.7 \text{ (} \underline{160} \text{ *)} = \underline{112} \text{ API Units}$

III. Intervals with GR index less than 0.7 x (Value at Base Line):

Interval		Thickness of Interval Feet	Feet of less than* 0.7 (Shale Base Line) Feet
From**	To***		
2410'	5360'		

Total Devonian Interval 2950'

Total Less Than 0.7 (Shale Base)

7

% Less Than 0.7 (Shale Base Line) = $\frac{0.00237}{2950} \times 100 = \underline{0.237\%}$

12/08/2023

*Marked on log included with analysis.

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

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

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 1043.67

WELL OPERATOR Sterling Drilling and Production Watershed Laurel Shoal Run
Co., Inc.
ADDRESS 710 Virginia St., East Dist. Lee County Calhoun Quad. 7.5 Anldb
Charleston, WV 25301

GAS PURCHASER _____
ADDRESS _____

Gas Purchase
Contract No. _____
Meter Chart Code _____
Date of Contract _____

* * * * *

Date surface drilling began: April 9, 1984

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

Bottom Hole Pressure. PSIA -- Pf = Pwe XLGS

$t = 60 + (0.0075 \times 5360) + 459.67 = 560$. $X = \frac{1}{53.34} \times 560 = .0000335$

$Pf = 750 \times 2.7183 \times .0000335 \times 4350 \times .690 \times 1.09 = 837$ PSIA

AFFIDAVIT

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

Harry L. Berger, Jr.

STATE OF WEST VIRGINIA

COUNTY OF Kanawha, TO-WIT:

I, Jolene 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 29 day of August, 1984, has acknowledged the same before me, in my county aforesaid.

12/08/2023

Given under my hand and official seal this 29 day of August, 1984.
My term of office expires on the 27 day of October, 1991.

Jolene K Brooks
Notary Public

15 LATITUDE 38° 00'

7 1/2' LATITUDE 38°

☀ C-1093

T. STARCHER ET. AL.

(53.5^a)

S14°W-726' DEED

CALL LOC.

S45°W-140.25'

CALL STN. PILE

S68°E-313.5' DEED

PROPOSED LOCATION

FEN. POST COR. FND.

STN. COR. FND.

E.E. ANDERSON ET. AL.

7 1/2' TOPO LOCATION

C-2186 ☀

C-2243 ☀

Laurel

(64.75^a)

N39°E-273.9' DEED

PINE STP. COR.

N17°15'E-353.10' DEED

N21°34'E-368.64' MAG.

C.O. COR. ON RDG.

N7°E-379.5' DEED

CALL PTRS. ON RDG

BOB MORGAN, ET. AL.

E. LARCH ET. AL.

4.42^a

122^a

N0°07'W-331.17'
S45°30'E
2035.72'

FEN. POST COR. CALL 2 OWD.
N76°W-430.47' DEED &
N71°29'W-430.47' MAG.
HY. IN P.L.

N76°W-856.53' DEED &
N71°29'W-856.53' MAG.
CALL I.C.O. 18' TOPO LOCATION

N61°W-478.6' DEED
CALL HY.

N35°W-363' DEED
CALL W.O.

S88°E-354.75' DEED
CALL BCH.

Shoal Run

Kanawha River

C-2385

RD. FKS.
EL. 773' X

C-1074

7 1/2' LONGITUDE 81°07'30"

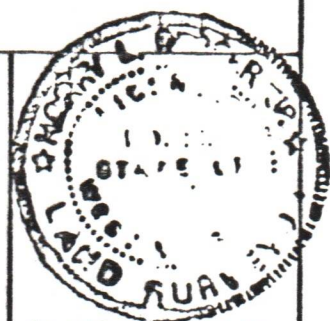
15' LONGITUDE 81°05' 10.250'

N.B.H-27, PG. 41 & 49

FILE NO 042-082 NO. 2
MAP NO 58-C
SCALE 1"=1000'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION U.S.G.S. DATA FKS. RD. SHOWN EL. 773'

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 I S 248



PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6 (878)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE AUG. 21, 19 83
OPERATOR'S WELL NO 844
API WELL NO EXP. 10/19/85
47 - 013 - 3646
STATE COUNTY PERMIT

WELL TYPE OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION STORAGE DEEP SHALLOW
LOCATION ELEVATION 1043.67' WATERSHED LAUREL SHOAL RUN
DISTRICT LEE COUNTY CALHOUN

QUADRANGLE 7 1/2' ARNOLDSBURG (ARNOLDSBURG S.W.)
SURFACE OWNER CHARLES A. NEWHART ACREAGE 121.67
OIL & GAS ROYALTY OWNER BOB MORGAN, ET. AL. LEASE ACREAGE 122
LEASE NO 042-082

12/08/2023

PROPOSED WORK DRILL 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 5350'
OPERATOR STERLING DRILLING & PRODUCTION CO. INC AGENT HARRY L. BERGER
ADDRESS 360 MADISON AVE 5TH FLOOR