



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

DEC 11 1980

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

VINEYARD #456

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE December 8, 1980

Surface Owner Lavis A. Vineyard

Company Sterling Drilling and Production Co., Inc.

Address Newton, W.V. 25266

Address Suite 3800 622 3rd Ave. NY, NY 10017

Mineral Owner Lavis A. Vineyard

Farm VINEYARD Acres 41

Address Same

Location (waters) Hollywood Run

Coal Owner Unknown - unoperated

Well No. 456 Elevation 1162.1

Address _____

District Geary County Roane

Coal Operator _____

Quadrangle Otter 15'

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 8-19-81.

INSPECTOR
TO BE NOTIFIED Richard Morris

ADDRESS P.O. Box 372 Grantsville, W.V. 26147

PHONE 354 - 7259

J. J. Huzzey
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated June 10, 1980 by Lavis A. Vineyard made to Sterling Drilling and Production Co., Inc. and recorded on the 12th day of June 1980, in _____ County, Book 153 Page 715 Lease # 092 - 007
XXXXXXXXB NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address of Well Operator

Very truly yours,
(Sign Name) *Charles E. Moore*
Well Operator

Rt. 1 Box 30
Street
Duck
City or Town
West Virginia
State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

47-087-3393 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by *Charles E. Moore*

BLANKET BOND

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME FWA Drilling Co., Inc. NAME Charlie E. Moore
 ADDRESS Box 448 Elkview, W.V. 25071 ADDRESS Rt. 1 Box 30 Duck, W.V.
 TELEPHONE 965 - 3379 TELEPHONE 364 - 5780
 ESTIMATED DEPTH OF COMPLETED WELL: 2190 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Injun
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	250'	250'	To Surface
7			
5 1/2			
4 1/2		2190'	200 sks or as reqd.
3			Perf. Top by rule 15.01
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS 0
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title

BLANKET BOND



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

VINEYARD #456

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

Surface Owner Lavis A. Vineyard
Address Newton, W.V. 25266
Mineral Owner Lavis A. Vineyard
Address Same
Coal Owner Unknown - unoperated
Address _____
Coal Operator _____
Address _____

DATE December 8, 1980
Company Sterling Drilling and Production Co., Inc.
Address Suite 3800 622 3rd Ave. NY, NY 10017
Farm VINEYARD Acres 41
Location (waters) Hollywood Run
Well No. 456 Elevation 1162.1
District Geary County Roane
Quadrangle Otter 15'

RECEIVED
NOV 18 1982

THIS PERMIT MUST BE POSTED AT THE WELL SITE.

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR DRILLING. THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 7/29/83

BY [Signature]

INSPECTOR Richard Morris
OIL & GAS DIVISION
DEPT. OF MINES
ADDRESS P.O. Box 372 Grantsville, W.V. 26147
PHONE 354 - 7259

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated June 9, 1980 by Lavis A. Vineyard made to Sterling Drilling and Production Co., Inc. and recorded on the 12th day of June 1980, in _____ County, Book 153 Page 715 Lease # 092 - 007
XXXXXXXXB NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Very truly yours,
(Sign Name) Harry J. Berger
Well Operator
710 VIRGINIA ST., E.
Street
CHARLESTON
City or Town
West Virginia, 25301
State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

47-087-3393- Ren. PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by Harry J. Berger

75

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
NAME FWA Drilling Co., Inc. NAME Charlie E. Moore
ADDRESS Box 448 Elkview, W.V. 25071 ADDRESS Rt. 1 Box 30 Duck, W.V.
TELEPHONE 965 - 3379 TELEPHONE 364 - 5780
ESTIMATED DEPTH OF COMPLETED WELL: 2308 ROTARY X CABLE TOOLS _____
PROPOSED GEOLOGICAL FORMATION: Injun
TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	250'	250'	To Surface
7			
5 1/2			
4 1/2		2308'	100 sks
3			Perf. Top
2			Perf. Bottom
1 liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
APPROXIMATE COAL DEPTHS 0
IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

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OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title



1) Date: October 19, 19 83
 2) Operator's Vineyard #456
 Well No. _____
 3) API Well No. 47-0873393-Ren
 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 X / Gas _____ /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1162.1' Watershed: Hollywood Run
 District: Geary County: Roane Quadrangle: 7.5' Tariff
- 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 Homer H. Dougherty
 Address Linden Rt. Box 3 -A
Looneyville, W.V. 25259
- 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, 5700 feet
 13) Approximate trata depths: Fresh, 312 feet; salt, _____ feet.
 14) Approximate coal seam depths: 0 Is coal being mined in the area? Yes _____ / No X /

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 OCT 21 1983

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		300' 360	300' 350	To Surface	By Rule 10-25
Coal									Sizes
Intermediate	7"	J-55	20#	X		2370'	2370'	100 sks	
Production	4 1/2	ERW	10.5#	X			5700'	250 sks	Depths set
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-087-3393-Ren Date November 1, 1983

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 November 1, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>WJH</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>5670</u>
-----------------	-------------------	--------------------------	----------------------------	------------------

[Signature]
 Administrator, Office of Oil and Gas

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

File



OFFICE USE ONLY

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

1) WELL LOCATION: District County Quarter 7.5 Township W. 10 Range 20 Section 10
 2) WELL OPERATOR: THE DESIGNATED AGENT Address 710 West Virginia St., Charleston, W.V. 25301
 3) OIL & GAS INSPECTOR TO BE NOTIFIED: Name ROBERT H. JOHNSON Address 1400 3rd St., Box 3, Booneville, W.V. 25833
 4) PROPOSED WELL WORK: Drill Re-drill Spud Plug oil old formation Perform new formation Other physical change in well (specify): DOWN STAIRS
 5) GEOLOGICAL TARGET FORMATION: 315
 6) ESTIMATED DEPTH OF COMPLETED WELL: 3150 feet
 7) APPROXIMATE TARGET DEPTH: 315 feet
 8) APPROXIMATE COAL SEAM DEPTH: 0 feet
 9) IS COAL BEING MINED IN THE AREA? Yes

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 OCT 21 1983

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: _____

BB	7/14	Agent	East	Carroll	East
----	------	-------	------	---------	------

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

1) Date: October 19, 1983
2) Operator's
Well No. Vineyard #456
3) API Well No. 47-087-3393-Rem
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

Formerly 47 - 087 - 3393

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

(i) Name Lavis A. Vineyard
Address Newton, W.V. 25266

(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.

RECEIVED
OCT 21 1983

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 NoXX

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

OIL & GAS DIVISION
DEPT. OF MINES

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 19 day of October, 1983.
My commission expires May 10, 1989.

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

WELL
OPERATOR Sterling Drilling & Produce Co., Inc.

By Harry L. Berger, Jr.
Its Designated Agent
Address 710 Virginia St., E.
Charleston, W.V. 25301
Telephone 342 - 0121

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>
Lavis A. Vineyard Newton, W.V. 25266	Sterling Drilling and Production Co., Inc.	1/8	153/715

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FORM IV-2(B)
(Obverse)
7-83

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SURFACE OWNER'S COPY
OCT 28 1983



1) Date: October 19, 19 83
2) Operator's Well No. Vineyard #456
3) API Well No. 47 State _____ County _____ Permit _____

OIL & GAS DIVISION
DEPT. OF MINES **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: 1162.1' Watershed: Hollywood Run
District: Geary County: Roane Quadrangle: 7.5' Tariff
- 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 Thomas H. Dougherty Name UNKNOWN AT THISTIME
Address Linden Rt. Box 3 -A Address _____
Looneville, W.V. 25259
- 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, 5700 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

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	
Conductor										
Fresh water	<u>9 5/8</u>	<u>IS</u>	<u>33#</u>	<input checked="" type="checkbox"/>		<u>300'</u>	<u>300'</u>	<u>To Surface</u>		
Coal									Sizes	
Intermediate	<u>7"</u>	<u>J-55</u>	<u>80#</u>	<input checked="" type="checkbox"/>		<u>2370'</u>	<u>2370'</u>	<u>100 sks</u>		
Production	<u>4 1/2</u>	<u>ERW</u>	<u>10.5#</u>	<input checked="" type="checkbox"/>			<u>5700'</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: _____

Lavis R. Vineyard
(Signature)

Date: Oct 25, 1983

By _____

Its _____ Date _____

(Signature)

Date: _____

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.

(For execution by natural persons)

(For execution by corporation, partnership, etc.)

Date

(Signature)

Date

(Signature)



1) Date: August 16, 1984
 2) Operator's Well No. Vineyard #456 - Rev.
 3) API Well No. 47 - 087 - 3393-REV
 State County Permit

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

Formerly 47 - 087 - 3393

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 1131.10' Watershed: Sycamore Fork LKW 15 U
 District: Smithfield County: Roane Quadrangle: 7.5' Tariff
- 6) WELL OPERATOR Sterling Drilling & Prod. Co., Inc DESIGNATED AGENT Harry L. Berger, Jr.
 Address 220 E. 42nd St. - 33rd Floor Address 710 Virginia St., E.
New York, New York 10017 Charleston, W.V. 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Homer H. Dougherty
 Address Linden Rt. Box 3 - A
Looneyville, W.V. 25259
- 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, 5650 feet
- 13) Approximate trata depths: Fresh, 280' 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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 AUG 16 1984

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		
Conductor								Kinds
Fresh water	9 5/8	LS	33#	X		250' 310'	250' 310'	To Surface
Coal								Sizes
Intermediate	7"	J-55	20#	X		2320'	2320'	100 sks
Production	4 1/2	erw	10.5#	X			5650'	250 sks
Tubing								<i>as required by rule</i>
Liners								Perforations: <u>15.0'</u>
								Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-087-3393-REV Date October 4, 19 84

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 4, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>148</u> BLANKET	Agent: <input checked="" type="checkbox"/> <u>ls</u>	Plat: <u>mtu mtu</u>	Casing: <u>mtu mtu</u>	Fee: <u>7703</u>
------------------------------------	---	----------------------	------------------------	------------------

Margaret J. Hesse
 Administrator, Office of Oil and Gas

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

File _____



OFFICE USE ONLY

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

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AUG 16 1984

DEPT. OF MINES
OIL & GAS DIVISION

FORMATION	DEPTH (feet)	THICKNESS (feet)	PERCENTAGE	REMARKS
BROWN SHALE	310'	310'	100%	TO SURFACE
BROWN SHALE	320'	320'	100%	TO SURFACE
BROWN SHALE	330'	330'	100%	TO SURFACE
BROWN SHALE	340'	340'	100%	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: _____

Blanket
la
10/4/84

A/12

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.

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>
Lavis A. Vineyard Newton, W.V. 25266	Sterling Drilling and Production Co., Inc.	1/8	153/715

1) Date: August 16, 19 84
2) Operator's Well No. 456 - Rev.
3) API Well No. 47-087-3393-Rev
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT Formerly 47 - 087 - 3393

4) SURFACE OWNER(S) OF RECORD TO BE SERVED
(i) Name Lavis A. Vineyard
Address Newton, W.V. 25266
(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.

RECEIVED
AUG 16 1984

OIL & GAS DIVISION
DEPT. OF MINES

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 August, 19 84.
My commission expires May 10, 19 89.
David M. G. [Signature]
Notary Public, Kanawha County,
State of West Virginia

WELL OPERATOR Sterling Drilling & Prod. Co., Inc.
By [Signature]
Its Designated Agent
Address 710 Virginia St., E.
Charleston, W.V. 25301
Telephone 342 - 0121

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

RECEIVED
SEP 25 1984
OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 087-3393-Rev.

Oil or Gas Well
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Sterling Drilling Prod</u>	Size			Kind of Packer
<u>Charleston, W. Va.</u>	16			
<u>Lewis A. Vineyard</u>	13			
<u>Vineyard 456</u>	10			Size of
<u>Geary</u> County <u>Roane</u>	8 1/4			
Drilling commenced	6 5/8			Depth set
Drilling completed	5 3/16			
Date shot	3			Perf. top
Initial open flow	2			Perf. bottom
Open flow after tubing	Liners Used			Perf. top
Volume				Perf. bottom
Rock pressure	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil	NAME OF SERVICE COMPANY _____			
Fresh water	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

9/19/84 Met With Jim Davis of Sterling & inspected location & Road. Mrs. Vineyard will let Sterling go ahead & drill & Frack well using Road as is. at Reclamation time Mrs Vineyard wants Brush burned. logs are Stacked, and Road Reclaimed until Farm Machinery can be worked across. Sterling Agrees to do things that Mrs. Vineyard Requests about Reclamation

9/19/84 Homer H. Dougherty
DISTRICT WELL INSPECTOR



Date 12-10 1980
Well No. 456-VINEYARD
API No. 47 - 087 - 3393
State County Permit

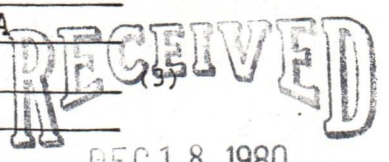
STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS

Company Steering Drill. & Prod. Co. Designated Agent Charlie E. Moore
Address 622 3rd Ave., NY, NY 10017 Address Rt. 1 Box 30 - Duck, WV
Telephone (212) 949-9100 Telephone (304) 364-5780
Landowner LAVIS A. Vineyard Soil Cons. District Little Kanawha
Revegetation to be carried out by Moore's Well Ser., C. E. Moore Agent

This plan has been received by Little Kanawha SCD. All corrections and additions become a part of this plan. 12-13-80 Jarrett Newlon
(Date) (SCD Agent)

Access Road
Structure Culverts (A)
Spacing Min. Size
Page Ref. Manual I-8
Structure Drainage Ditches (B)
Spacing _____
Page Ref. Manual I-11
Structure Cross Ditches (C)
Spacing As Needed
Page Ref. Manual I-6

Location
Structure Diversion Ditch (1)
Material Soil
Page Ref. Manual 1:9
Structure Rip-Rap (2)
Material Rock
Page Ref. Manual N/A
Structure _____
Material _____
Page Ref. Manual _____



All structures should be inspected regularly and repaired if necessary.

OIL & GAS DIVISION
DEPT. OF MINE

Revegetation

Treatment Area I
Lime _____ 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 35 lbs/acre
Orchard 15 lbs/acre
Red Clover 8 lbs/acre

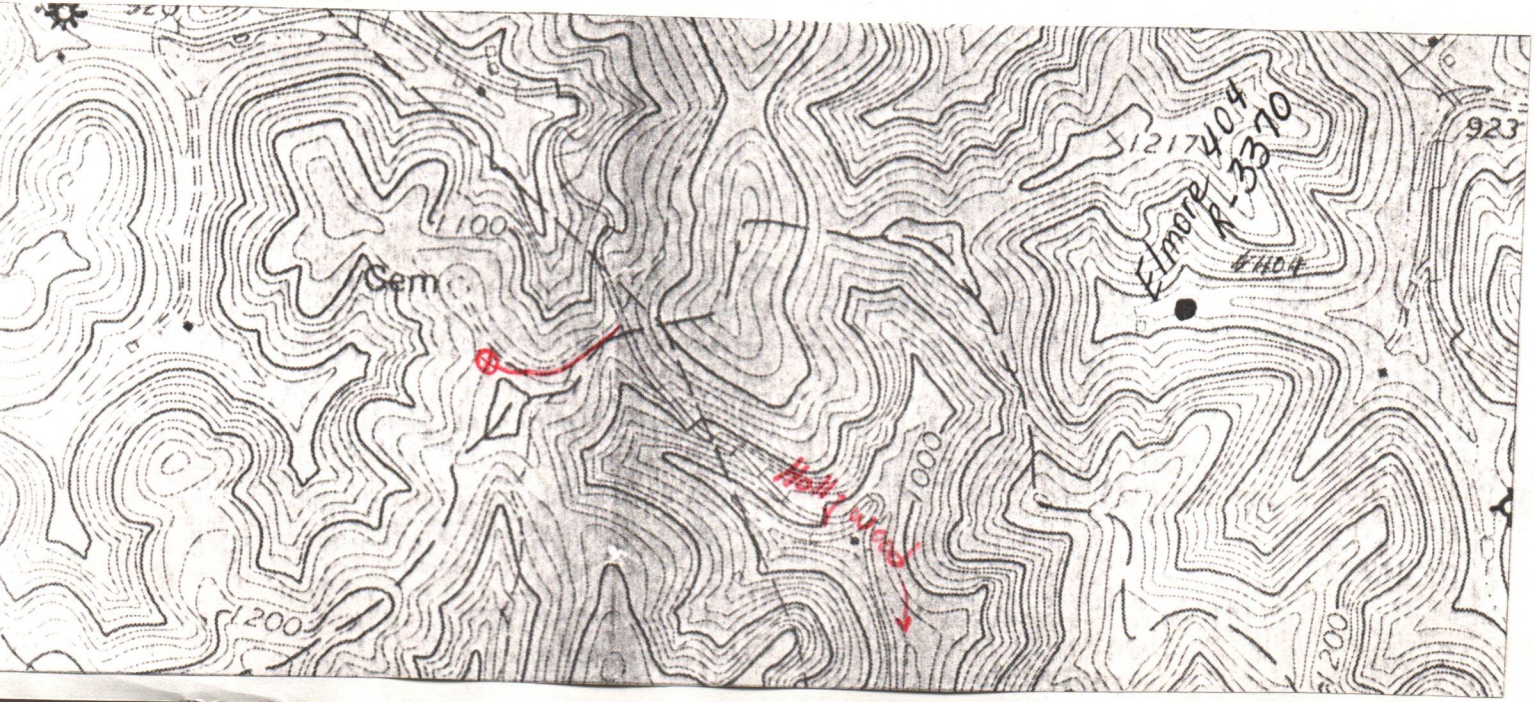
Treatment Area II
Lime _____ Tons/Acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay 2 Tons/Acre
Seed* Ky-31 45 lbs/acre
_____ lbs/acre
_____ lbs/acre

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

Timber will be cut and stacked. No brush or trees will be put in fill.

Attach or photocopy section of involved Topographic map. Quadrangle 15' Otter NW
7 1/2' Tariff

Legend: Well Site Scale - 1" = 1000'
 Access Road



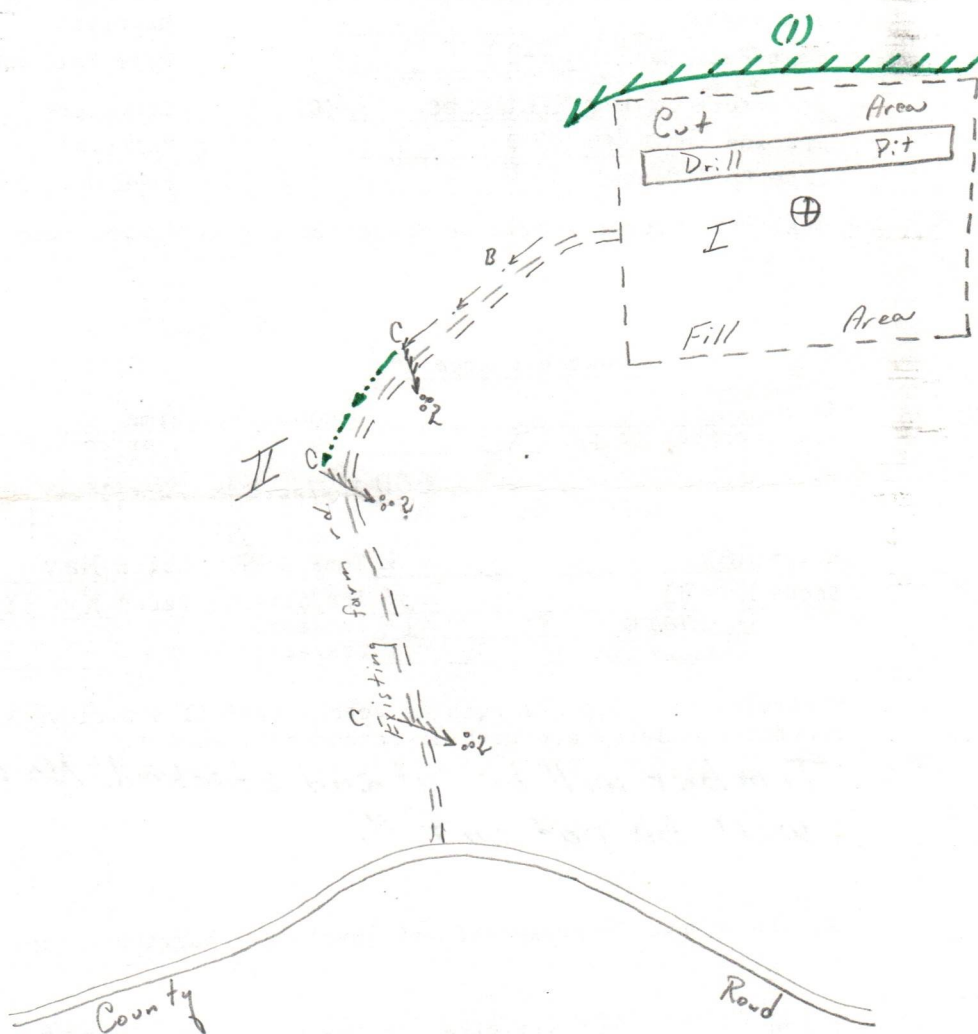
85

Well Site Plan

- Legends:
- Property Boundary
 - Road
 - Existing Fence
 - Planned Fence
 - Stream
 - Open Ditch

- Diversion
- Spring
- Wet Spot
- Building
- Drain Pipe
- Waterway

Sketch to include well location, existing access road, roads to be constructed well site, drilling pits and necessary structures numbered or lettered to correspond with first part of this plan. Include all natural drainage.



Comments: Slope of well road does not exceed 10% Cuts to be 2:1 or less
Seeding and mulching to be done within three (3) months.

Director: Charles E. Mason

Rt. 1 Box 30 - Duck, WV 25063 364-572
 ADDRESS Phone Number

Please request landowners cooperation to protect new seeding for one growing season.

86



IV-9
(Rev 8-81)

DATE 7-21-84

WELL NO. Vineyard # 456 Rev

State of West Virginia API NO. 47 - 087 - 3393 Rev

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Sterling Drilling & Prod. CODESIGNATED AGENT Sterling Drilling & Prod

Address 360 Madison Ave.-NY, NY 10017 Address c/o H.L. Berger - Chas., WV

Telephone (212) 682-0204 Telephone (304) 342-0121

LANDOWNER Avis Ann Vineyard 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: 7-23-84 (Date)

Garrett Newlon
(SCD Agent)

ACCESS ROAD

LOCATION

Structure _____ (A)

Structure _____ (1)

Size _____

Material _____

Page Ref. Manual _____

Page Ref. Manual _____

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AUG 16 1984

Structure Drainage Ditches (B)

Structure Rip-Rap OIL & GAS DIVISION (2)

Location Roadside

Material Rock DEPT. OF MINES

Page Ref. Manual 2-12

Page Ref. Manual 2-9

Structure Cross Drains -- 16" Pipe (C)

Structure _____ (3)

Spacing 250' for 6-10%

Material _____

Page Ref. Manual 2-F Table 4

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

Lime 2 Tons/acre
or correct to pH 6.5

Lime 2 Tons/acre
or correct to pH 6.5

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

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

Mulch Hay or Straw 2 Tons/acre

Mulch Hay or Straw 2 Tons/acre

Seed* Orchardgrass 15 lbs/acre

Seed* Ky-31 40 lbs/acre

Red Clover 8 lbs/acre

Madia Clover 4 lbs/acre

Alsike Clover 4 lbs/acre

_____ lbs/acre

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

PLAN PREPARED BY Richard V. Campbell

ADDRESS Route 1, Box 30

Duck, WV 25063



PHONE NO. (304) 364-5780

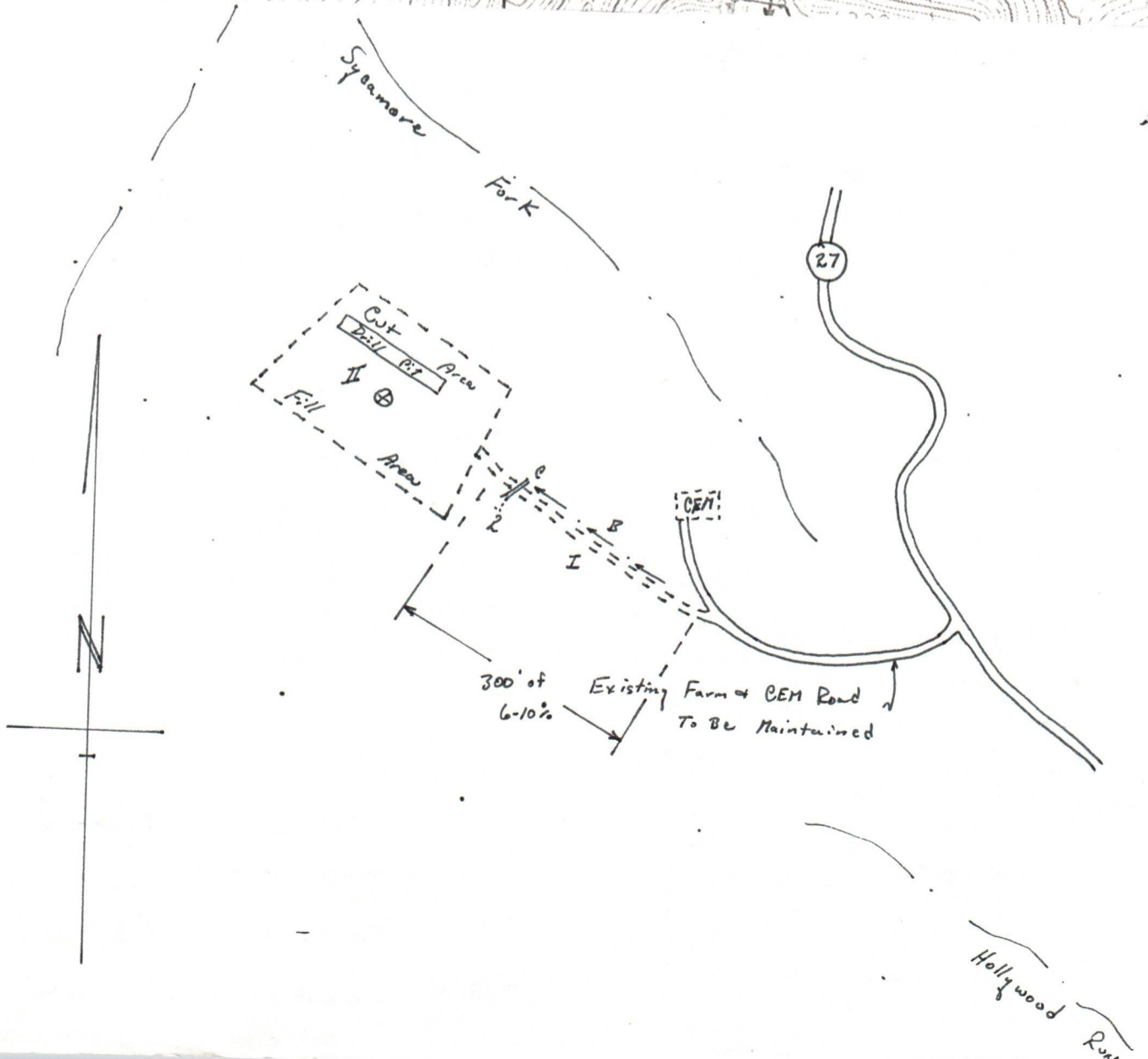
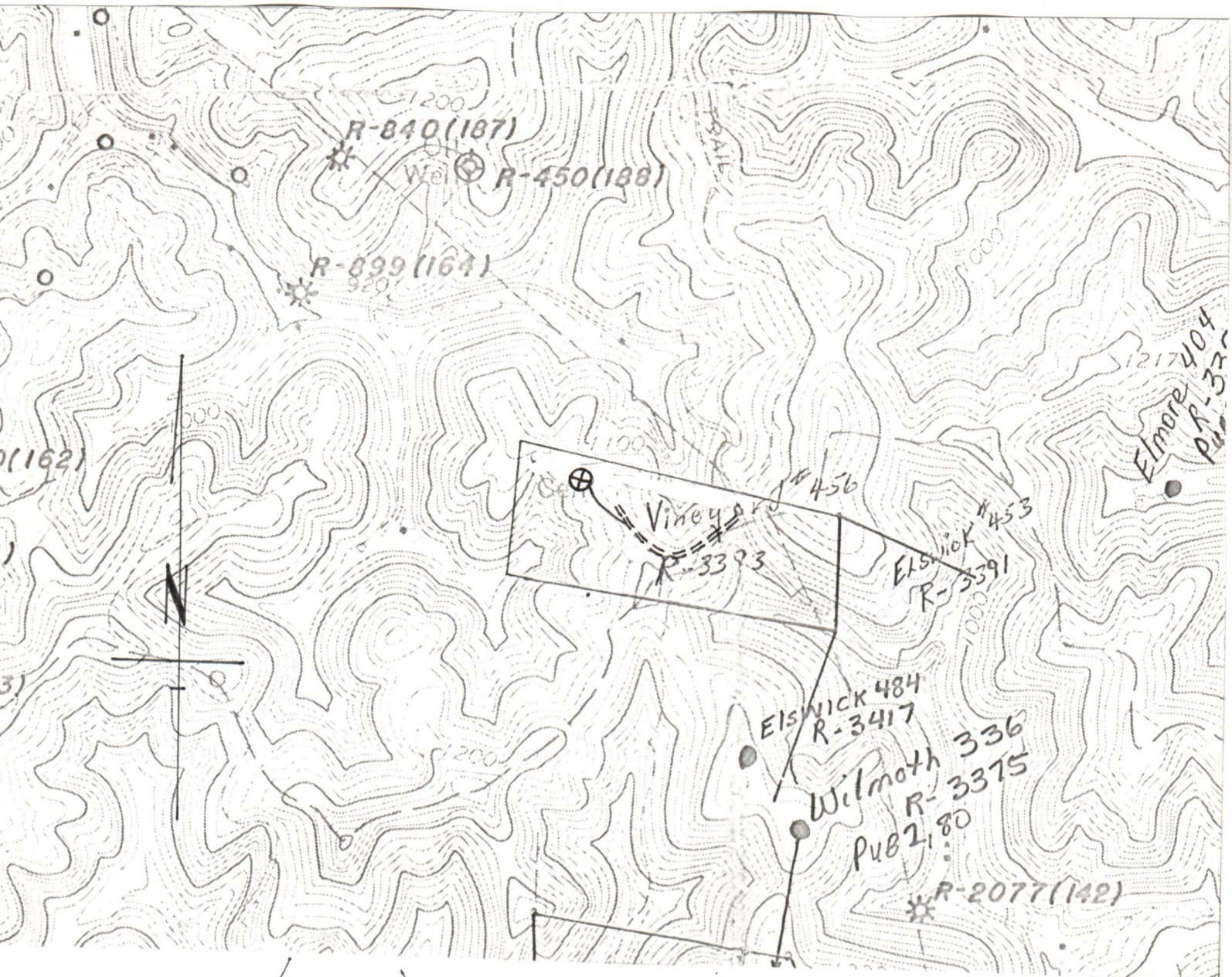
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

IV-9 REVERSE
(REV 8-81)

INVOLVED TOTOGRAPHIC MAP
QUADRANGLE 15' Otter NW
7 1/2' Tariff

LEGEND

Well Site 
Access Road 



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

RECEIVED
NOV 12 1985

INSPECTOR'S WELL REPORT

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Permit No. 087-3393-Rev.

Oil or Gas Well _____
(KIND)

Company <u>Sterling Drilling + Prod.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Charleston, W. Va.</u>	Size			
Farm <u>Lavis A. Vineyard</u>	16			Kind of Packer _____
Well No. <u>Vineyard 456</u>	13			
District <u>Geary</u> County <u>Roane</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

8/8/84 Location was constructed
 Drillers' Names _____
 7/23/85 Location & Road was reclaimed & seeded & mulched.
 Remarks: Lease has expired Well will not be drilled
 11/5/85 Inspected reclamation, grass growing
 OK to Release Reclamation
Also please cancel Permit
 11/5/85 _____
 DATE

 HOMER H. DOUGHERTY
 DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner Location Amount Packer Location

PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD		CONSTRUCTION-LOCATION	RECOVERED	SIZE

Drillers' Names _____

Remarks: _____

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

DATE

DISTRICT WELL INSPECTOR



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 DIVISION OF OIL AND GAS
 1615 Washington Street, East
 Charleston, West Virginia 25311
 Telephone: 348-3500

John Johnston
 Director

ARCH A. MOORE, JR.
 Governor

November 20, 1985

Sterling Drilling & Production Company
 710 Virginia Street, East
 Charleston, West Virginia 25301

In Re: Permit No: 47-087-3393-REV
 Farm: Lavis A Vineyard
 Well NO: 456
 District: Smithfield
 County: Roane
 Issued: 10-94-84

Gentlemen:

The FINAL INSPECTION REPORT for the above captioned well has been received in this office. ONLY the Column checked below applies:

The well designated by the above captioned permit number has been released under XXXX your Blanket Bond.

Please return the enclosed cancelled single bond which covered the well designated by the above captioned permit number to the surety company that executed said bond in your behalf, in order that they may give you credit on their records.

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

XXXX PERMIT CANCELLED - NEVER DRILLED

Respectively,

Theodore M. Streit
 Deputy Director--Inspection & Enforcement

TMS/nw

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

RECEIVED
JUL 29 1985

INSPECTOR'S WELL REPORT

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
Oil or Gas Well _____
(KIND)

Permit No. 187-3393 Rev.

Company	Address	Farm	Well No.	District	County	Drilling commenced	Drilling completed	Date shot	Initial open flow	Open flow after tubing	Volume	Rock pressure	Oil	Fresh water	Salt water	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
																Size			Kind of Packer
<u>Sterling Drilling & Prod. Co.</u>	<u>Chas., W. VA.</u>	<u>Lewis A. Vineyard</u>	<u>Vineyard 456</u>	<u>Geary</u>	<u>Roane</u>											16			
																13			
																10			Size of
																8 1/4			
																6 5/8			Depth set
																5 3/16			
																3			Perf. top
																2			Perf. bottom
																Liners Used			
																			Perf. top
																			Perf. bottom

Drillers' Names _____

Remarks: 7-23-85 - Will not be drilling well, backfilled & reclaimed road & location, road & location ready for seed & mulch.

7-23-85
DATE

Homer H. Dougherty
DISTRICT WELL INSPECTOR

FORM 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

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

Drillers' Names _____

Remarks: _____

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

DISTRICT WELL INSPECTOR

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

RECEIVED
AUG 6 - 1985

INSPECTOR'S WELL REPORT DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Permit No. 087-3393-Rev.

Oil or Gas Well _____
(KIND)

Company Sterling Drilling
 Address Chas., W. VA.
 Farm Lavis A. Vineyard
 Well No. Vineyard 456
 District Geary County Roane
 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 Status Report
7-30-85

Remarks: Inspected reclamation on location location & road seeded & mulched, Sam Vineyard, that leases farm land is not satisfied with job, wants more small rocks picked up. I will talk to Sterling about problem, & check back to see if grass is growing in 30 days.

7-30-85
DATE

Homer H. Dougherty
DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

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

Drillers' Names _____

Remarks: _____

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

DISTRICT WELL INSPECTOR

STERLING DRILLING AND PRODUCTION CO., INC.

ARCADE BUILDING
710 VIRGINIA STREET EAST
CHARLESTON, WEST VIRGINIA 25301

(304) 342-0121

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

Date NOVEMBER 1, 1982

Re: Sterling Drilling and
Production Co., Inc.
Well No. 456 -Ren.

AFFIDAVIT

I, HARRY L. BERGER, JR., an authorized representative, hereby verify that the owner or owners of the mineral estate upon which this proposed well is to be located will receive minimum one-eighth (1/8) royalty payments for any gas or oil extracted therefrom. Copies of the Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above-named coal operator, co-owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Signed: _____

Harry L. Berger, Jr.
Authorized Representative

Notary: _____

David M. Gillespie (Signed)

My commission expires MAY 10, 1989.

456-Rev.

P 377 648 942

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to <i>LAUIS A. VINEYARD</i>	
Street and No. <i>GENERAL DELIVERY</i>	
P.O., State and ZIP Code <i>NEWTON, V.V. 25266</i>	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom Delivered	
Return Receipt Showing to whom, Date and Place of Delivery	
TOTAL Postage and Fees	\$ <i>89</i>
Postmark of Date <i>NEWTON, V.V. 8/16/84</i>	

PS Form 3800, Feb. 1982

RECEIVED

AUG 16 1984

OIL & GAS DIVISION
DEPT. OF MINES

456
P 522 051 941

RECEIPT FOR REGISTERED MAIL
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to LAVIS A. VINEYARD	
Street and No.	
P.O., State and ZIP Code NEWTON, W. V. 25266	
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

NEWTON, W. V. 25266
OCT 2 1983
AM 'NOIS

RECEIVED

OCT 2 1983

OIL & GAS DIVISION
DEPT. OF MINES

*Point
Five
Lavis Vineyard*

August 22, 1984
Lavis A. Vineyard
Rt. 1 Box 28
Newton, W. Va.
Ph. 265-3604

Admin. of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington St. E.
Charleston, West Virginia 25311

RECEIVED

AUG 27 1984

OIL & GAS DIVISION

DEPT. OF MINES

Dear Sir:

I received the surface owners notification August 18, 1984, about a gas well to be drilled on my property.

Sterling Drilling and Production Co. Inc. made a well location and roads on my property the last of July, 1984.

The objection I have to this work is the manner in which the road was built through my meadow making it waste and useless to be use in the future for farming. If the last 300 ft. of the road could be relocated there would be no objections.

Thank you
Sincerely yours,

Lavis A. Vineyard

Lavis A. Vineyard

Well # Vineyard #56-Rev.
Formerly #7-087-3393

August 25, 1984
Lavis A. Vineyard
Rt. 1 Box 28
Newton, W.Va
Ph. 565-3604

Admin. of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington St. E.
Charleston, West Virginia 25311

RECEIVED

AUG 27 1984

OIL & GAS DIVISION
DEPT. OF MINES

Dear Sir:

I received the surface owners notification August 18, 1984, about a gas well to be drilled on my property.

Sterling Drilling and Production Co. Inc. made a well location and roads on my property the last of July, 1984.

The objection I have to this work is the manner in which the road was built through my meadow making it unsafe and useless to be use in the future for farming. If the last 300 ft. of the road could be relocated there would be no objections.

*O.K. to issue per Homer
9/27/84*

Well # Vineyard 456-Rev.
Formerly 47-087-3393

Thank you
Sincerely yours,

Lavis A. Vineyard

Lavis A. Vineyard

Homer - Please investigate & let me know what you think.

Margaret

9/11/84

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

RECEIVED
JUN - 6 1983

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 087-3393

Oil or Gas Well _____
(KIND)

Company Sterling Drilling + Prod. Co.
 Address Charleston, W.V.A.
 Farm LAVIS A. VINEYARD
 Well No. 456
 District GEARY County ROANE
 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 This well WAS NOT Drilled - CANCEL

Remarks: Information obtained from Kenneth Gosnell of Sterling

6-2-83
DATE

Homer H. Dougherty
DISTRICT WELL INSPECTOR

Form 26
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

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

Drillers' Names _____

Remarks: _____

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

DISTRICT WELL INSPECTOR



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

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

July 1, 1983

Sterling Drilling & Production Company
710 Virginia Street, East
Charleston, W. Va. 25301

In Re: PERMIT NO: 47-087-3393-REN.

FARM: Lavis A. Vineyard

WELL NO: 456

DISTRICT: Geary

COUNTY Roane

Gentlemen:

The FINAL INSPECTION REPORT for the above described well has been received in this office. Only the column check below applies:

XXXXXX The well designated by the above permit number has been released under your Blanket Bond. (Permit Cancelled - Never Drilled.)

 Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

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

Very truly yours,

Theodore M. Streit, Administrator
Office of Oil & Gas-Dept. Mines

R-207-F

Wm. A. LOONEY

R-34

R-840

R-450

R-899

SYCAMORE

FORK

N75°30'W-2289.38 DEED
N70°15'W-MAG.

N70°45'W-1200.87'

FEN. COR. IN ∇ AT CO. RD.
7 1/2' TOPO LOCATION

N70°15'W-651.75'

CALL STN.
**PROPOSED
LOCATION**

LOC. COR. FOUND

R-3370
O 404

CATHERINE LEWIS

CALL STN. &
W. WAL. LYNN PTRS.

LAVIS A. VINEYARD

970°34'E-1852.30'

874°30'E-2286.90'D.

R-3417

Old Well

CALL CHES.

CALVIN ELSWICK

HOLLYWOOD

R-2077

RUN

REFERENCE POINTS

PROPOSED LOCATION TO:

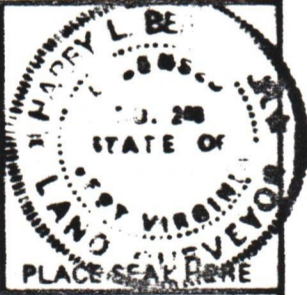
3' STK. SET - N7°29'W-260.82'
3' STK. SET - S70°46'E-211.19'

R-1929

N-14, PG. 19, N-29, PG. 27

FILE NO. 092-007
MAP NO. 74-A
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION U.S.G.S. DATA RD.FKS
1 MI. N.E. OF LOC.

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
(SIGNED) *Harry L. Berger, Jr.*
HARRY L. BERGER, JR. L.L.S. 248



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

FORM IV-6 (8-78)



DATE AUG. 15, 1984
OPERATOR'S WELL NO. 456 REV.
API WELL NO. 47-087-3393
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Cancelled

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION 1131.10' WATERSHED SYCAMORE FORK
DISTRICT SMITHFIELD COUNTY ROANE
QUADRANGLE 7 1/2' TARIFF (OTTER N.W.)
SURFACE OWNER LAVIS A. VINEYARD ACREAGE 41
OIL & GAS ROYALTY OWNER LAVIS A. VINEYARD LEASE ACREAGE 41
LEASE NO. 092-007
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 5650'
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