



1) Date: August 6, 19 84

2) Operator's Well No. Woody #1018

3) API Well No. 47 - 013 - 3790
State County Permit

RECEIVED

AUG 13 1984

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

OIL & GAS DIVISION

DEPT. OF MINES

- 4) WELL TYPE: A Oil / Gas X / B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X)
- 5) LOCATION: Elevation: 1046.57' / Watershed: Beech Fork / District: Washington / County: Calhoun / Quadrangle: 7.5' Chloe
- 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 Deo Mace
Address Rt. 1 Box 5
Sandridge, W.V. 25274
- 9) DRILLING CONTRACTOR: Name UNKNOWN AT THIS TIME
Address _____
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X / 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, 5250 feet
- 13) Approximate trata depths: Fresh, _____ feet; salt, _____ feet.
- 14) Approximate coal seam depths: 0 Is coal being mined in the area? Yes _____ / No X /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	9 5/8	LS	33#	X		350'	350'	To Surface	<u>NEAT</u>
Coal									Sizes
Intermediate	7"	J-55	20#	X		2045'	2045'	100 sks	
Production	4 1/2	ERW	10.5#	X			5285'	250 sks	Depths set
Tubing									<u>or as required by rule</u>
Liners									Perforations: <u>15.0'</u>
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-013-3790

October 3, 19 84
Date

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

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

Permit expires October 3, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>148</u> BLANKET	Agent: <u>MH</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>7636</u>
------------------------------------	------------------	-----------------	-------------------	------------------

Margaret J. Hasse
Administrator, Office of Oil and Gas

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



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

1) LOCATION: _____
 2) WELL OPERATOR: _____
 3) OIL & GAS DIVISION: _____
 4) PROPOSED WELL WORK: _____
 5) GEOLOGICAL TARGET FORMATION: _____
 6) APPLICATION: _____
 7) CASING AND LIFTING PROGRAM: _____

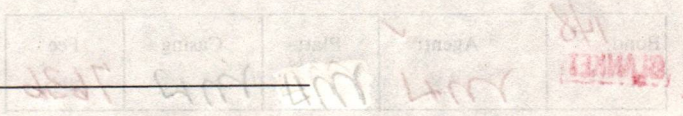
OFFICE USE ONLY

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: _____





IV-9
(Rev 8-81)

RECEIVED

AUG 13 1984

OIL & GAS DIVISION

DEPT. OF MINES

State of West Virginia

Department of Mines

Oil and Gas Division

DATE 6-30-84

WELL NO. Woody # 1018

API NO. 47 - 013 - 3790

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 Gerald G. Simmons 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)

Jarrett Newton
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Culvert (A)

Size 24"

Page Ref. Manual 2-8 Table 3

Structure Drainage Ditches (B)

Location Roadside

Page Ref. Manual _____

Structure Cross Drains - 16" Pipe (C)

Spacing 200' for 11/15'

Page Ref. Manual 2-8 Table 4

Structure Diversion Ditch (1)

Material Earthen

Page Ref. Manual 2-12

Structure Rip-Rap (2)

Material Rock

Page Ref. Manual 2-9

Structure _____ (3)

Material _____

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

Lime 2 Tons/acre
or correct to pH 6.5

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

Mulch Hay or Straw 2 Tons/acre

Seed* Ky-31 40 lbs/acre

Ladino Clover 4 lbs/acre

lbs/acre

Treatment Area II

Lime 2 Tons/acre
or correct to pH 6.5

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

Mulch Hay or Straw 2 Tons/acre

Seed* Ky-31 40 lbs/acre

Ladino Clover 4 lbs/acre

lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacteria. Inoculate with 3X recommended amount. 05/10/2024

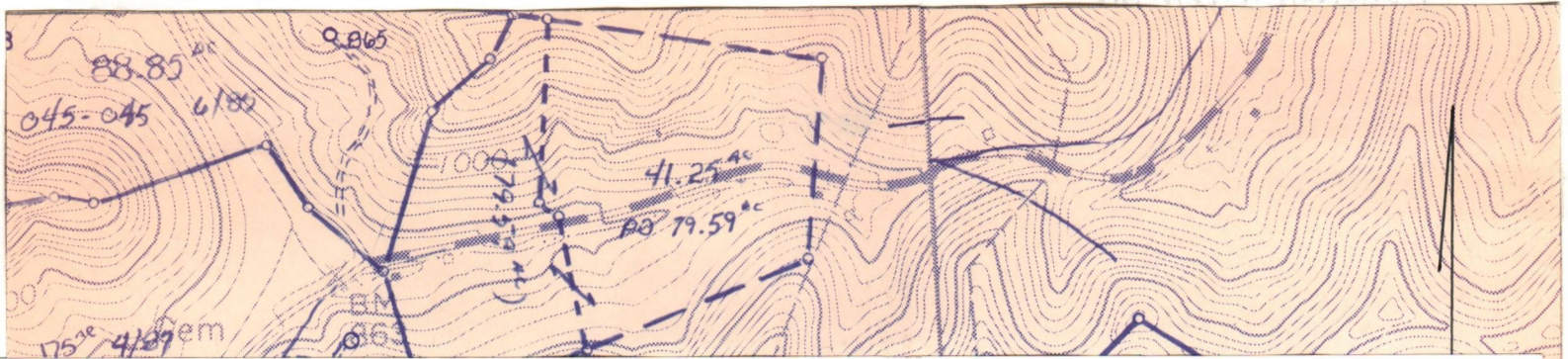
PLAN PREPARED BY Richard A. Campbell

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.



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>
Wm. B. Woody 612 Dewey Ave. St. Mary's, W.V. 26170	Sterling Drilling and Producion Co., Inc.	1/8	088/192

James Woody
William Woods, Jr.
Judith L. Powell

05/10/2024

August 30, 1984

RE: Sterling Drilling & Production
Woody #1018
Washington District, Calhoun County

To: Administrator
Oil & Gas Division, Department of Mines

We request a field investigation of this application before the permit is issued.

Due to the fact that the access proposed for this well is via an "unimproved" County Road which is our only access to our home, we request that this permit be conditioned so that the well may be drilled only during good weather.

We are further concerned about possible damage to our stock pond located in the same hollow as the proposed well.

We also think that two old ^{gas} wells near this well should be noted.

Gerald L. Simons
Janette Simons

OK per *mentar*
Dec 9/26

OIL AND GAS DIVISION

WEST VIRGINIA DEPARTMENT OF MINES
CHARLESTON, WEST VIRGINIA
INTER-OFFICE MEMORANDUM

TO: Leo Nace DATE: 9/7/84

FROM: Margaret Hesse SUBJECT: Sterling Drilling
Woody 1018 application

This is the one I mentioned this morning.
Garold & Jeanette Simons live on the farm but not
on that tract. Phone - 655-8253.
They are mainly concerned about their road &
possible effect on pond.

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

Perforations:

1st Stage- 34 holes 4573'-5160'

2nd Stage- 29 holes 3702'-4398'

Treatment:

1st Stage- 750 gals. 15% HCl; 1,750 MSCF N₂

2nd Stage- 750 gals. 15% HCl; 1,695 MSCF N₂

WELL LOG

#1018 Woody

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sandstone and Shale			0	503	All depths from 10' KB
Sandstone			503	595	
Shale			595	614	
Sandstone			614	635	
Shale			635	650	
Sandstone			650	840	
Sand and Shale			840	1305	
Salt Sand			1305	1332	
Shale			1332	1366	
Salt Sand			1366	1528	
Shale			1528	1585	
Salt Sand			1585	1633	
Sand and Shale			1633	1718	
Little Lime			1718	1747	
Pencil Cave			1747	1750	
Big Lime			1750	1901	
Big Injun			1901	1921	
Silty Shale			1921	2228	
Sunbury Shale			2228	2240	
Siltstone and Shale			2240	2743	
Shale			2743	4597	Top of Java Formation @ 4429'
Siltstone			4597	4640	Top of Angola Shale @ 4658
Shale			4640	4771	Top of Rhinestreet Shale @ 4961'
Siltstone			4771	4874	
Shale			4874	5270	
Total Depth				5270	

CAL 3790

(Attach separate sheets as necessary)

Sterling Drilling and Production Co., Inc.

Well Operator

By: Harry J. Berger, Jr. 05/10/2024

Date: 5-12-85

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

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

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

INSPECTOR'S WELL REPORT

JUN 17 1986

Permit No. 13-3798

10-03-84

Oil or Gas Well _____
(KIND)

Company Sterling D & P
 Address _____
 Farm Gerald Simon
 Well No. Woody 1018
 District Wash County Coal
 Drilling commenced _____
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

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

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

Drillers' Names _____

Remarks: Release Reclamation.

6-14-86
DATE

W. O. Mace
DISTRICT WELL INSPECTOR
05/10/2024

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

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 - 013 - 3790 -			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107	Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	5270 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 710 Virginia St. East, Arcade Building			Seller Code
	Street Charleston, WV 25301			
	City	State	Zip Code	
5.0 Location of this well: (Complete (a) or (b).)	Washington District			
(a) For onshore wells (35 letters maximum for field name.)	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.)	Woody #1018			
(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			Seller Code
(b) Date of the contract:	Mo. Day Yr.			
(c) Estimated total annual production from the well:	14 Million Cubic Feet			
		(a) Base Price	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	5.982		
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	5.982		
9.0 Person responsible for this application:	Harry L. Berger, Jr.			Designated Agent
Agency Use Only	Name			Title
Date Received by Juris. Agency	Signature			
MAY 23 1985				
Date Received by FERC	May 21, 1985			304-342-0924
	Date Application is Completed			Phone Number

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

47-013-3790

Date: May 21, 19 85

47550

AGENCY USE ONLY

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

WELL DETERMINATION FILE NUMBER

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

850523 -1073-013 -3790

Gas Purchaser Contract No. _____

Use Above File Number on all
Communications Relating to This Well

Date of Contract _____
(Month, day and year)

SDP #1018

First Purchaser: _____ UNDEDICATED P629

Designated Agent: Harry L. Berger, Jr

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

Address: Sterling Drilling & Prod. Co.
710 Virginia St., E. Arcade Bldg
Charleston, WV 25301

(City) (State) (Zip Code)

FERC Seller Code 018084

FERC Buyer Code _____

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

Name: Harry L. Berger, Jr.

Agent

Signature: _____

(Title)

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

108 Stripper Well Natural Gas

- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Build

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 Recompaction Tight Formation

AGENCY USE ONLY

05/10/2024

QUALIFIED

RECEIVED

MAY 23 1985

OIL & GAS DIV.
DEPT. OF MINES

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. Agent; Harry L. Berger, Jr.

Type Determination being sought - 107 (Devonian Shale)

API Well No.: 47-013-3790 Well Name: #1018 Woody

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:

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

1. GR Value = 112 * API Units
 2. Calculation: $0.7 \text{ (GR Value at Base Line)}$
 $0.7 \text{ (160 *)} = \underline{112}$ 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***		
2241	5242	3001	137

Total Devonian Interval 3001

Total Less Than 0.7 (Shale Base)

% Less Than 0.7 (Shale Base Line) = $0.0456 \times 100 = \underline{4.6}$ %

137
05/10/2024

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

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's
Well No. Woody #1018

API Well No.

47 - 013 - 3790
State County Permit

WELL CLASSIFICATION FORM

HIGH COST GAS WELL - DEVONIAN SHALE

NGPA Section 107

DESIGNATED AGENT Harry L. Berger, Jr.

ADDRESS Arcade Building; 710 Virginia St., E.
Charleston, WV 25301

LOCATION Elevation 1046.57'

WELL OPERATOR Sterling Drilling & Production Co Watershed Beech Fork

ADDRESS 710 Virginia Street, East
Charleston, WV 25301

Dist. Washington County Calhoun Quad. Chloe 7 1/2'

Gas Purchase
Contract No. _____

GAS PURCHASER UNDEDICATED

Meter Chart Code _____

ADDRESS _____

Date of Contract _____

* * * * *

Date surface drilling began: January 30, 1985

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

Bottom Hole Pressure. PSIA -- Pf = Pwe XLGS

$$t = 60 + (0.0075 \times 8270) + 459.67 = 559 \cdot X = \frac{1}{53.34} \times 559 = .0000335$$

$$Pf = 1100 \times 2.7183 \times .0000335 \times 4431 \times .690 \times 1.08 = 1229 \text{ PSIA}$$

AFFIDAVIT

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

Harry L. Berger, Jr.

STATE OF WEST VIRGINIA

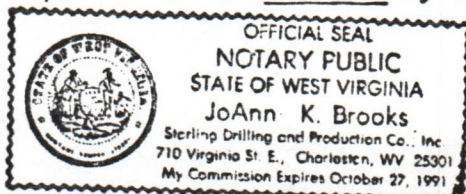
COUNTY OF Kanawha, TO-WIT:

I, JoAnn K. Brooks, a Notary Public in and for the state and county aforesaid, do certify that Harry L. Berger, Jr., whose name is signed to the writing above, bearing date the 21st day of May, 1985 05/10/2024 acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 21st day of May, 1985.

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

(NOTARIAL SEAL)



JoAnn K. Brooks
Notary Public

MU 9/25/84

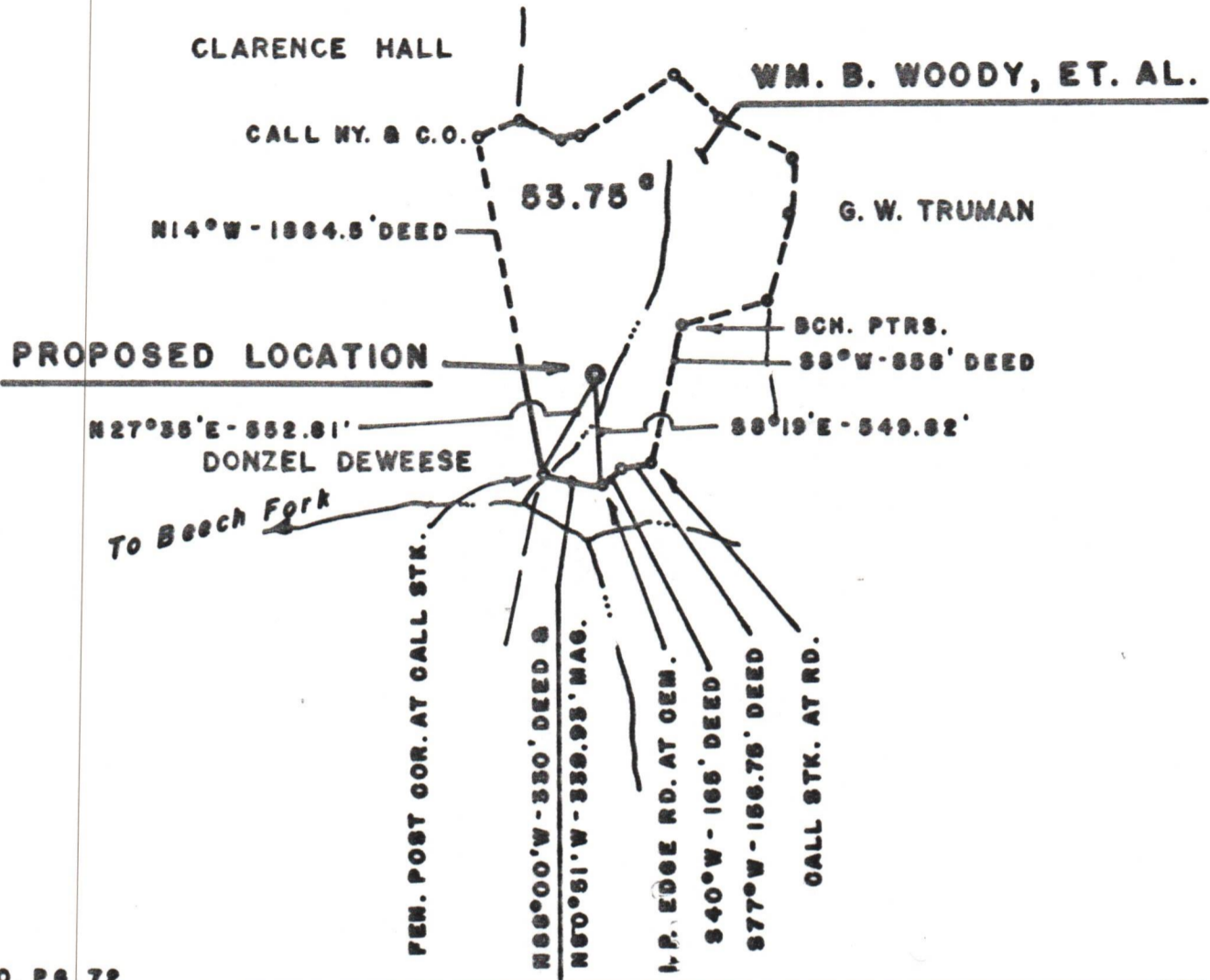
15' LATITUDE 11,150'
7 1/2' LATITUDE 38°40'

REFERENCE POINTS

PROPOSED LOCATION TO:
12" LOCUST - N33°42'E - 238.79'
18" WHITE OAK - S14°26'W - 176.07'

7 1/2' TOPO LOCATION

MAGNETIC NORTH

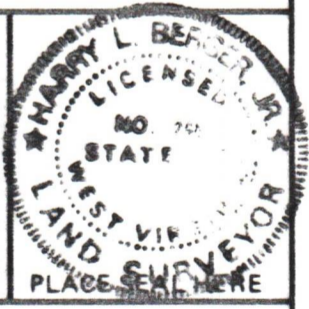


7 1/2' LONGITUDE 61°05'
15' LONGITUDE

N-20, PG. 72

FILE NO. 045-070
 MAP NO. 74-B
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION U.S.G.S. DATA TOP KNOB SHOWN EL. 1443'

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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE JUNE 28, 1984
 OPERATOR'S WELL NO. 1018
 API WELL NO. 47-013-3790
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1046.67 WATER SHED BEECH FORK
 DISTRICT WASHINGTON COUNTY CALHOUN
 QUADRANGLE 7 1/2' OHLOE (OTTER N.E.)
 SURFACE OWNER GEROLD S. SIMONS ACREAGE 53.75'
 OIL & GAS ROYALTY OWNER WM. B. WOODY, ET. AL. LEASE ACREAGE 53.75' 05/10/2024
 LEASE NO. 045-070
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION BROWN SHALE ESTIMATED DEPTH 5250'
 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

1) Date: August 6, 1984
 2) Operator's Well No. Woody #1018
 3) API Well No. 47-013-3790
 State County Permit

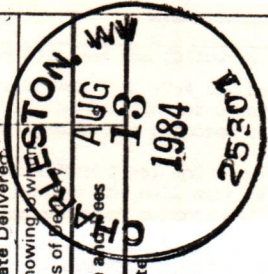
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OFFICE OF OIL & GAS
 NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED
 (i) Name Gerold G. Simons
 Address Arnoldsburg, W.V. 25234
 (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 _____

1018 P 377 647 969
 RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

Sent to <u>GEROLD G. SIMONS</u>	Postage \$
Street and No. <u>GENERAL DELIVERY</u>	Certified Fee
P.O., State and ZIP Code <u>ARNOLDSBURG, W. V. 25234</u>	Special Delivery Fee
	Restricted Delivery Fee
	Return Receipt Showing to whom and Date Delivered
	Return Receipt Showing Date, and Address of Recipient
	TOTAL Postage and Fees
	Postmark or Date



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by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

- 6) EXTRACTION RIGHTS
 Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
- 7) ROYALTY PROVISIONS
 Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No
- If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

PS Form 3800, Feb. 1982
 RECEIVED
 AUG 13 1984
 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 6 day of August, 1984.
 My commission expires May 10, 1989.
David W. Gillaspie
 Notary Public, Kanawha County,
 State of West Virginia

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

05/10/2024

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 § 2 2 - 4 - 1 1 (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>
Wm. B. Woody 612 Dewey Ave. St. Mary's, W.V. 26170	Sterling Drilling and Producion Co., Inc.	1/8	088/192

James Woody
William Woods, Jr.
Judith L. Powell



IV-9
(Rev 8-81)

RECEIVED

AUG 13 1984

OIL & GAS DIVISION

DEPT. OF MINES

State of West Virginia

Department of Mines

Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

DATE 6-30-84

WELL NO. Woody # 1018

API NO. 47 - 013 - 3790

COMPANY NAME Sterling Drilling & Prod. Co 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 Gerald G. Simmons

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)

Jarrett Newton
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Culvert (A)

Structure Diversion Ditch (1)

Size 24"

Material Earthen

Page Ref. Manual 2-8 Table 3

Page Ref. Manual 2-12

Structure Drainage Ditches (B)

Structure Rip-Rap (2)

Location Roadside

Material Rock

Page Ref. Manual _____

Page Ref. Manual 2-9

Structure Cross Drains .. 16" pipe (C)

Structure _____ (3)

Spacing 200' for 11-15'

Material _____

Page Ref. Manual 2-8 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* Ky-31 40 lbs/acre

Seed* Ky-31 40 lbs/acre

Madia Clover 4 lbs/acre

Madia Clover 4 lbs/acre

lbs/acre

lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacteria. Inoculate with 3X recommended amount. 05/10/2024

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.

IV-9 REVERSE
(REV 8-81)

INVOLVED TOPOGRAPHIC MAP
QUADRANGLE 7 1/2' Chloe
Otter NE

LEGEND

Well Site 
Access Road 