



1) Date: September 6, 1983
 2) Operator's Well No. Lincicome #4
 3) API Well No. 47 - 107 - 1286
 State County Permit

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

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow /)
- 5) LOCATION: Elevation: 800' Watershed: Lost Run
 District: Walker County: Wood Quadrangle: Kanawha 7.5
- 6) WELL OPERATOR Rimrock Production Corporation 7) DESIGNATED AGENT Robert L. Murdock
 Address 4424 B Emerson Avenue Address 4424 B Emerson Avenue
Parkersburg, WV 26104 Parkersburg, WV 26104
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Samuel N. Hersman Name FWA Drilling Company, Inc.
 Address P.O. Box 66 Address P.O. Box 448
Smithville, WV 26178 Elkview, WV 25071
- 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, Berea
 12) Estimated depth of completed well, 2550 feet
 13) Approximate trata depths: Fresh, 100 feet; salt, 1700 feet.
 14) Approximate coal seam depths: NA Is coal being mined in the area? Yes _____ / No /

RECEIVED
SEP 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	8-5/8	J	23	x		260'	260'	79 cubic	By Rule 15.05
Coal								ft. circ. to	Sizes
Intermediate								sur., 3% CC	
Production	4 1/2	J	10.5	x		None	2550'	300 sks.	Depths set
Tubing	2-3/8	H	4.6	x		None	2500'	None	
Liners									Perforations: Estimated
									Top 2502 Bottom 2508

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-107-1286

Date September 26, 19 83

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

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

Permit expires September 26, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:
	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	2182

BLANKET BOND

[Signature]
Administrator, Office of Oil and Gas

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



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

OFFICE USE ONLY

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

1) Well No. _____

2) LOCATION: Elevation: _____

3) DISTRICT: _____

4) WELL OPERATOR: _____

5) OIL & GAS INSPECTOR TO BE NOTIFIED: _____

6) PROPOSED WELL WORK: _____

7) GEOLOGICAL TARGET FORMATION: _____

8) ESTIMATED DEPTH OF COMPLETED WELL: _____

9) APPROXIMATE TENSILE DEPTH: _____

10) APPROXIMATE COAL SEAM DEPTHS: _____

11) CASING AND TUBING PROGRAM: _____

RECEIVED

Casing or Tubing Type	Size	Grade	Weight per ft.	SPECIFICATIONS		FOOTAGE INTERVALS		Cement Retardant (Cubic feet)
				New	Used	For drilling	Left in well	
Production	4 1/2"	J	10.5	x		None	250'	300 sacks
Intermediate	4"	J	10.5	x		None	250'	300 sacks
Conductor	8-7/8"	J	29	x		200'	200'	19 cubic

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	"

Application received _____

Well work started _____

Completion of the drilling process _____

Well Record received _____

Reclamation completed _____

OTHER INSPECTIONS

Reason: _____

Reason: _____

BLANKET BOND

09/29/2023

1) Date: September 6, 1983
2) Operator's Well No. Lincicome #4
3) API Well No. 47 107
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 WESTVACO CORPORATION
Address Route 95 & Rayon Drive
Parkersburg, WV 26101
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR
Address _____

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

Name _____
Address _____

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

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

RECEIVED
SEP 21 1983

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.

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
Robert L. Murdoch
this 3rd day of Sept, 1983.
My commission expires 10.3, 1987.

WELL
OPERATOR RIMROCK PRODUCTION CORPORATION
By Robert L. Murdoch
Its President
Address 4424 B Emerson Avenue
Parkersburg, WV 26104
Telephone (304) 428-1520

Sandra R. Hamilton - Commission as Notary
Notary Public, West County,
State of West Virginia

09/29/2023

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:

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

ON file with # 1



1) Date: September 6, 1983
 2) Operator's Well No. Lincicome # 4
 3) API Well No. 47 107
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 800' Watershed: Lost Run
 District: Walker County: Wood Quadrangle: Kanawha 7.5
- 6) WELL OPERATOR Rimrock Production Corporation
 Address 4424 B Emerson Avenue
Parkersburg, WV 26104
- 7) DESIGNATED AGENT Robert L. Murdock
 Address 4424 B Emerson Avenue
Parkersburg, WV 26104
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Samuel N. Hersman
 Address P.O. Box 66
Smithville, WV 26178
- 9) DRILLING CONTRACTOR:
 Name PWA Drilling Company, Inc.
 Address P.O. Box 448
Elkview, WV 26071
- 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, Berea
- 12) Estimated depth of completed well, 2550 feet
- 13) Approximate strata depths: Fresh, 100 feet; salt, 1700 feet.
- 14) Approximate coal seam depths: NA Is coal being mined in the area? Yes / No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	<u>8-5/8</u>	<u>J</u>	<u>23</u>	<input checked="" type="checkbox"/>		<u>260'</u>	<u>260'</u>	<u>79 cubic</u>	
Coal								<u>ft. circ. to</u>	Sizes
Intermediate								<u>sur., 3% CC</u>	
Production	<u>4 1/2</u>	<u>J</u>	<u>10.5</u>	<input checked="" type="checkbox"/>		<u>None</u>	<u>2550'</u>	<u>300 ska.</u>	Depths set
Tubing	<u>2-3/8</u>	<u>H</u>	<u>4.6</u>	<input checked="" type="checkbox"/>		<u>None</u>	<u>2500'</u>	<u>None</u>	
Liners									Perforations: <u>Estimated</u>
									Top <u>2502</u> Bottom <u>2508</u>

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.)
 NAME: WESTVACO CORPORATION
 By Steven Richards
 Its Land Surveyor Date 9/20/83
Parkersburg District

(For execution by natural persons)
 _____ Date: _____
 (Signature)
 _____ Date: _____
 (Signature)

09/29/2023
 Surface Owner

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

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

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

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

Where to file comments and obtain additional information:

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

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

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

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

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

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

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

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

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



IV-9
(Rev 8-81)

DATE September 6, 1983

WELL NO. Lincicome #4

State of West Virginia

API NO. 47 - 107 - 1286

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Rimrock Production Corp.

DESIGNATED AGENT Robert L. Murdock

Address 4424 B Emerson Avenue

Address 4424 B Emerson Avenue

Telephone (304) 428-1520

Telephone (304) 428-1520

LANDOWNER WESTVACO

SOIL CONS. DISTRICT Little Kanawha

Revegetation to be carried out by Robert L. Murdock (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions became a part of this plan: 9-8-83

(Date)

Jarrett Newton
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Culvert (A)

Structure Temporary Diversion Ditch(1)

Spacing 8-5/8"

Material Soil

Page Ref. Manual 2-7

Page Ref. Manual 2-12

Structure _____ (B)

Structure Rip Rap (2)

Spacing _____

Material Rock

Page Ref. Manual _____

Page Ref. Manual 2-9

Structure _____ (C)

Structure _____ (3)

Spacing _____

Material _____

Page Ref. Manual _____

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 _____ Tons/acre
or correct to pH _____

Lime 3 Tons/acre
or correct to pH 6.5

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

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

Mulch Straw 2 Tons/acre

Mulch 2 Tons/acre

Seed* K-31 Fescue 35 lbs/acre

Seed* K-31 Fescue 35 lbs/acre

Red Top 10 lbs/acre

Red Top 10 lbs/acre

Ladino Clover 5 lbs/acre

Ladino Clover 5 lbs/acre

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

PLAN PREPARED BY Robert L. Murdock **09/29/2023**

ADDRESS 4424 B Emerson Avenue

Parkersburg, WV 26104

PHONE NO. (304) 428-1520

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



IV-35
(Rev 8-81)

Date February 3, 1984
Operator's
Well No. Lincicome #4
Farm _____
API No. 47 - 107 - 1286

State of West Virginia
Department of Mines
Oil and Gas Division

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 800' Watershed Lost Run
District: Walker County Wood Quadrangle Kanawha 7.5'

COMPANY Rimrock Production Corporation
ADDRESS 4424 B Emerson Ave. Parkersburg, WV
DESIGNATED AGENT Robert L. Murdock
ADDRESS 4424 B Emerson Ave., Parkersburg, WV
SURFACE OWNER Westvaco
ADDRESS Route 95 & Rayon Dr., Parkersburg, WV
MINERAL RIGHTS OWNER R. C. Lincicome, J. H. Walsh
ADDRESS Vienna, WV., Ripley, WV.
OIL AND GAS INSPECTOR FOR THIS WORK Jerry Tephabock
ADDRESS Rt.1, Box 101-A, Ripley, WV

PERMIT ISSUED September 26, 1983
DRILLING COMMENCED 10/7/83
DRILLING COMPLETED 10/11/83

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	265'	265'	70 Sk.
7			
5 1/2			
4 1/2	None	2356.70'	273 Sk.
3			
2 -3/8	None	2260.81'	
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 2550 feet
Depth of completed well 2,402 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 100 feet; Salt 1700 feet
Coal seam depths: NA Is coal being mined in the area? NO

OPEN FLOW DATA
Producing formation Berea 395 Pay zone depth 2238-2246 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 130 Mcf/d Final open flow 5 Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 480 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(Continue on reverse side)

Wood - 1286

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

Perf. 18 holes 2240'-2245'
Frac'd w/200 gal. 15% acid, 25,000 sks. 20/40 sand, 44,060 gal. water.

(N)

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Soil			0	10	
Sandstone			10	50	
Shale			50	155	
Sandstone & Shale			155	275	
Shale			275	350	
Sandstone & Shale			350	600	
Shale			600	720	
Limestone & Shale			720	900	
Sandstone & Shale			900	1080	
Sand			1080	1118	
Shale			1118	1134	
Sand			1134	1180	
Sandy Shale			1180	1220	
Sand			1220	1244	
Sandy Shale			1244	1318	
Sand			1318	1334	Show of Oil & Gas
Sandy Shale			1334	1376	
Sand			1376	1385	Show of Oil & Gas
Sandy Shale			1385	1424	
Sand			1424	1436	Show of Oil & Gas
Sandstone			1436	1604	
Sand			1604	1622	
Shale & Sandstone			1622	1680	
Sand			1680	1750	Saltwater
Sand & Shale			1750	1840	
Shale			1840	2225	
³⁹⁴ Coffee Shale			2225	2238	
³⁹⁵ Berea			2238	2246	
Shale			2246	2396	TD

(Attach separate sheets as necessary)

RIMROCK PRODUCTION CORPORATION

Well Operator

By: _____

09/29/2023

Date: February 3, 1984

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
OIL AND GAS WELLS DIVISION

RECEIVED

APR 13 1984

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 47-107-1286

Oil or Gas Well OIL & GAS
(KIND)

Company <u>RIMROCK PRODUCTION CORP</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
4424 B EMERSON AVE	Size			
Address <u>PARKERSBURG, WV 26104</u>	16			Kind of Packer
Farm <u>WESTVACO</u>	13			
Well No. <u>4</u>	10			Size of
District <u>WALKER</u> County <u>L WOOD</u>	8 1/4			
Drilling commenced	6 5/8			Depth set
Drilling completed Total depth	5 3/16			
Date shot Depth of shot	3			Perf. top
Initial open flow /10ths Water in Inch	2			Perf. bottom
Open flow after tubing /10ths Merc. in Inch	Liners Used			Perf. top
Volume Cu. Ft.				Perf. bottom
Rock pressure lbs. hrs.	CASING CEMENTED SIZE No. FT. Date			
Oil bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY			
Fresh water feet feet	COAL WAS ENCOUNTERED AT FEET INCHES			
Salt water feet feet	FEET INCHES FEET INCHES			
	FEET INCHES FEET INCHES			

Drillers' Names _____

Remarks: LOCATION AND ACCESS ROAD NEEDS COMPLETELY RECLAIMED BADLY.

13 APRIL 1984
DATE

Allen P. Robinson
ALLEN P. ROBINSON
09/29/2023
DISTRICT WELL INSPECTOR



RECEIVED

JUN 25 1984

OIL & GAS DIVISION
DEPT. OF MINES

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

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

9/26/83

COMPANY RIMROCK PRODUCTION CORP
4424 "B" EMERSON AVENUE
PARKERSBURG, WV 26104

PERMIT NO 47-107-1286 9/83
FARM & WELL NO WESTVACO/#4
DIST. & COUNTY WALKER/WOOD

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

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

SIGNED Glen P. Robinson
GLEN P. ROBINSON

DATE 19 JUNE 1984

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

T. H. ...
Administrator-Oil & Gas Division

August 13, 1984
DATE

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

1.0 APT well number (If not assigned, leave blank. 14 digits.)	47 - 107 - 1286 -			
2.0 Type of determination being sought: (Use the codes found on the front of the form.)	103	New Onshore Production Well		
	Section of NGPA	Category Code		
3.0 Depth of the deepest completion location. (Only needed if sections 103 or 107 in 2.0 above.)	2245	2245 feet		
4.0 Name, address and code number of applicant. (35 letters per line maximum. If code number not available, leave blank.)	Rimrock Production Corporation		Seller Code	
	4424 B Emerson Avenue			
	Street	WV	26104	
	City	State	Zip Code	
5.0 Location of this well. [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.) (b) For OCS wells	Field Name			
	Wood		WV	
	County		State	
	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.)	Lincicome # 4			
(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.)	Consolidated Gas Transmission Corporation		Buyer Code	
	Name			
(b) Date of the contract:	Mo. Day Yr.			
(c) Estimated total annual production from the well:	47.5 Million Cubic Feet			
	(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price. (As of filing date. Complete to 3 decimal places.)	S/MMBTU	-----	-----	-----
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	-----	-----	-----
9.0 Person responsible for this application:	Robert L. Murdock		President	
Apply Use Only	Name		Title	
Date Received by FERC	Signature			
Date Received by FERC	February 3, 1984		(304) 428-1520	
	Date Application is Completed		Phone Number	

FERC-171 (8-82)

09/29/2023

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

GENERAL INSTRUCTIONS

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

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

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 271.501. If there are any questions, call (202) 357-8585.

SPECIFIC INSTRUCTIONS

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

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

Enter the appropriate information regarding other Purchasers/Contracts.

Line No.	Contract Date (Mo., Da., Yr.) (a)	Purchaser (b)	Buyer Code (c)
1		Consolidated Gas Transmission Corporation	004228
2			
3			
4			
5			
6			

Remarks:

FEB 10 1984

DATE: MAR 29 1984

BUYER-SELLER COI

PARTICIPANTS:

WELL OPERATOR: Rimrock Production Corp

FIRST PURCHASER: Consolidated Gas Trans

OTHER: _____

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
840210 -103-107-1286
 Use Above File Number on all Communications
 Relating to Determination of this Well

Qualified
PS

APPROVED
APR 27 1984

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 _____ Items not completed - Line No. _____
- 2. IV-1 Agent _____
- 3. IV-2 Well Permit _____
- 4. IV-6 Well Plat _____
- 5. IV-35 Well Record _____ Drilling _____ Deepening _____
- 6. IV-36 Gas-Oil Test: Gas Only _____ Was Oil Produced? _____ Ratio _____
- 7. IV-39 Annual Production _____ years
- 8. IV-40 90 day Production _____ Days off line _____
- 9. IV-48 Application for certification. Complete? _____
- 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? _____ Affidavit Signed _____
- 18-28. Other: Survey _____ Logs _____ Geological Charts _____
 Structure Map _____ 1: 4000 Map _____ Well Tabulations _____
 Gas Analyses _____
- (5) Date commenced: _____ Date completed _____ Deepened _____
- (5) Production Depth: _____
- (5) Production Formation: _____
- (5) Final Open Flow: _____
- (5) After Frac. R. P. _____
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: _____
- (8) Avg. Daily Gas from 90-day ending w/1-120 days _____
- (8) Line Pressure: _____ PSIG from Daily _____
- (5) Oil Production: _____ From Completion Report _____
- 10-17. Does lease inventory indicate enhanced recovery being done _____
- 10-17. Is affidavit signed? _____ Notarized? _____
- Does official well record with the Department confirm the submitted information? _____
- Additional information _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

09/29/2023

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

Date February 3, 19 84

Operator's Well No. Lincicome #4

API Well No. 47 - 107 - 1286
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL

WCPA Section 103

DESIGNATED AGENT Robert L. Murdock

ADDRESS 4424 B Emerson Avenue

Parkersburg, WV 26104

WELL OPERATOR Rimrock Production Corp.

ADDRESS 4424 B Emerson Avenue

Parkersburg, WV 26104

LOCATION: Elevation 800'

Watershed Lost Run

Dist. Walker County Wood Quad. Kanawha 7.5

AS PURCHASER Consolidated Gas Trans.

ADDRESS 445 W. Main St. Corp.

Clarksburg, WV 26301

Gas Purchase Contract No. 3922

Meter Chart Code _____

Date of Contract _____

* * * * *

Surface drilling was begun: October 7, 1983

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

See Attachment

AFFIDAVIT

I, Robert L. Murdock, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which is capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

Robert L. Murdock

STATE OF WEST VIRGINIA,

COUNTY OF Wood, TO WIT:

I, Candace Thompson, a Notary Public in and for the state and county aforesaid, certify that Robert L. Murdock, whose name is signed to the writing above, bearing date 3rd day of February, 19 84, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 3rd day of February, 19 84.

My term of office expires on the 19th day of November, 19 91.

[NOTARIAL SEAL]

Candace W. Thompson
Notary Public

Commissioned as Wine

09/29/2023

CALCULATION OF BOTTOM HOLE PRESSURE

$$P_f = P_{we} \quad (\text{XGLS})$$

Where: Lincicome #4, Walker District, Wood County

P_f = shut-in formation pressure (psia)

P_w = pressure at the wellhead (psia)

e = napierian logarithm base (2.71828)

G = specific gravity of gas .70

L = length of casing to mid-point of the perforations (feet)

S = supercompressibility of gas at the mean temperature and pressure
(average of wellhead and bottom hole temperature and pressure) .78

$X = \frac{1}{53.34 T}$ where T = average wellhead and bottom hole temperature ($^{\circ}\text{R}$) $95 + ^{\circ}\text{R}$

$$100^{\circ}\text{F} = 316.83491^{\circ}\text{R}$$

$$T = 411.83491^{\circ}\text{R}$$

$$P_f' = (480) (2.71828) \left(\frac{(.70) (2242) (.78)}{53.34 (411.83491)} \right)$$

$$(480) (2.71828) \left(\frac{1224.132}{21967.274} \right)$$

$$(480) (2.71828) \cdot (0.0557253)$$

$$(480) (1.0573071)$$

$$P_f = 507.50742$$

09/29/2023

2222

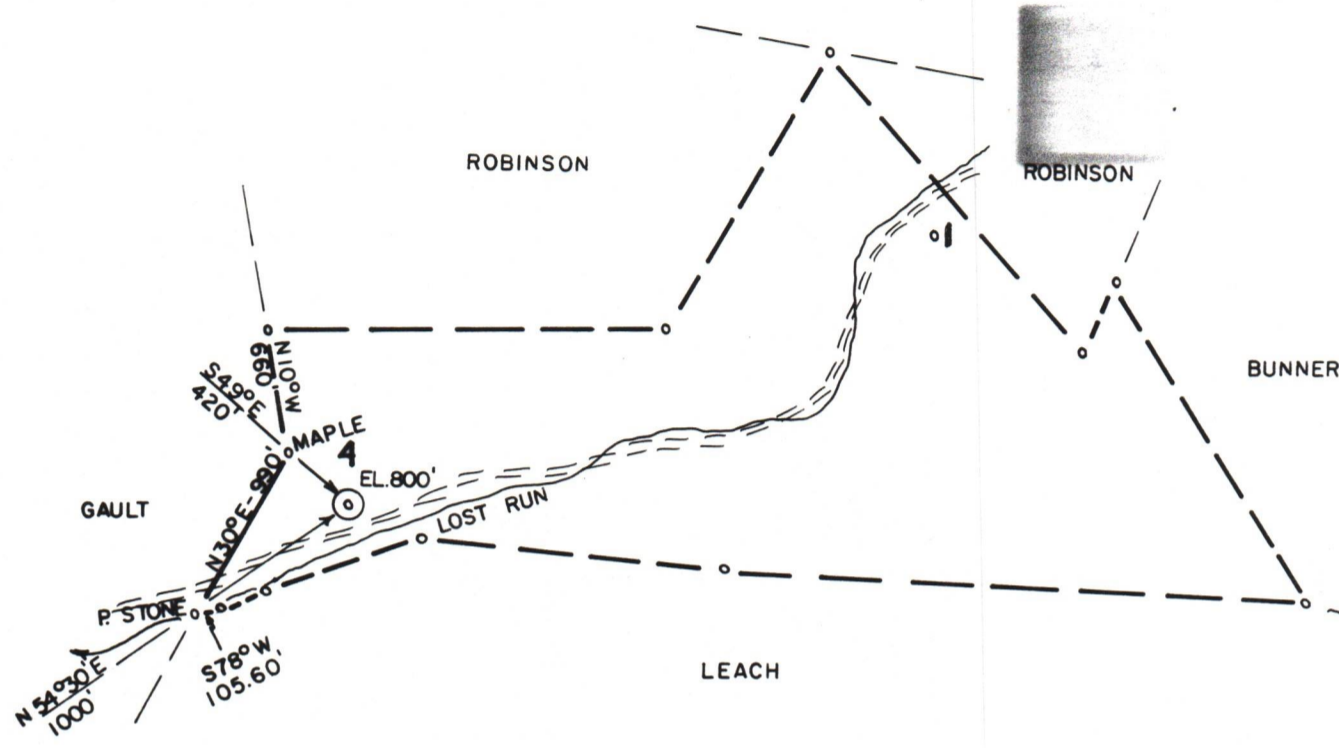
5430' WEST
LATITUDE 39° 15' 00"

LONGITUDE 81° 22' 30"

4650' SOUTH

NORTH

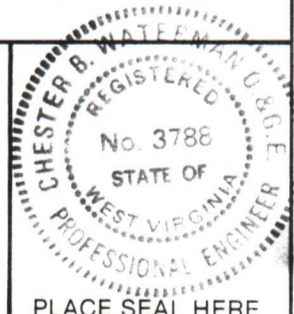
15'



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

FILE NO. 83-486
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1' / 200'
 PROVEN SOURCE OF ELEVATION DALLISON (692')

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) *Chester B. Waterman*
 R.P.E. 3788 L.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE 9/1, 1983
 OPERATOR'S WELL NO. 4
 API WELL NO. 47 107 1286
 STATE 47 COUNTY 107 PERMIT 1286

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 800' WATER SHED LOST RUN
 DISTRICT WALKER COUNTY WOOD

QUADRANGLE KANAWHA 7.5'
 SURFACE OWNER WESTVACO ACREAGE 181
 OIL & GAS ROYALTY OWNER R. C. LINCICOME LEASE ACREAGE 200

LEASE NO. _____
 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 BEREA ESTIMATED DEPTH 2500'
 WELL OPERATOR RIMROCK PRODUCTION CORP. DESIGNATED AGENT ROBERT L. MURDOCK
 ADDRESS 4424-B EMERSON AVE. ADDRESS SAME
PARKERSBURG, WV 26101

COUNTY NAME

PERMIT

FORM IV-6 (8-78)

H.T. HALL

09/29/2023