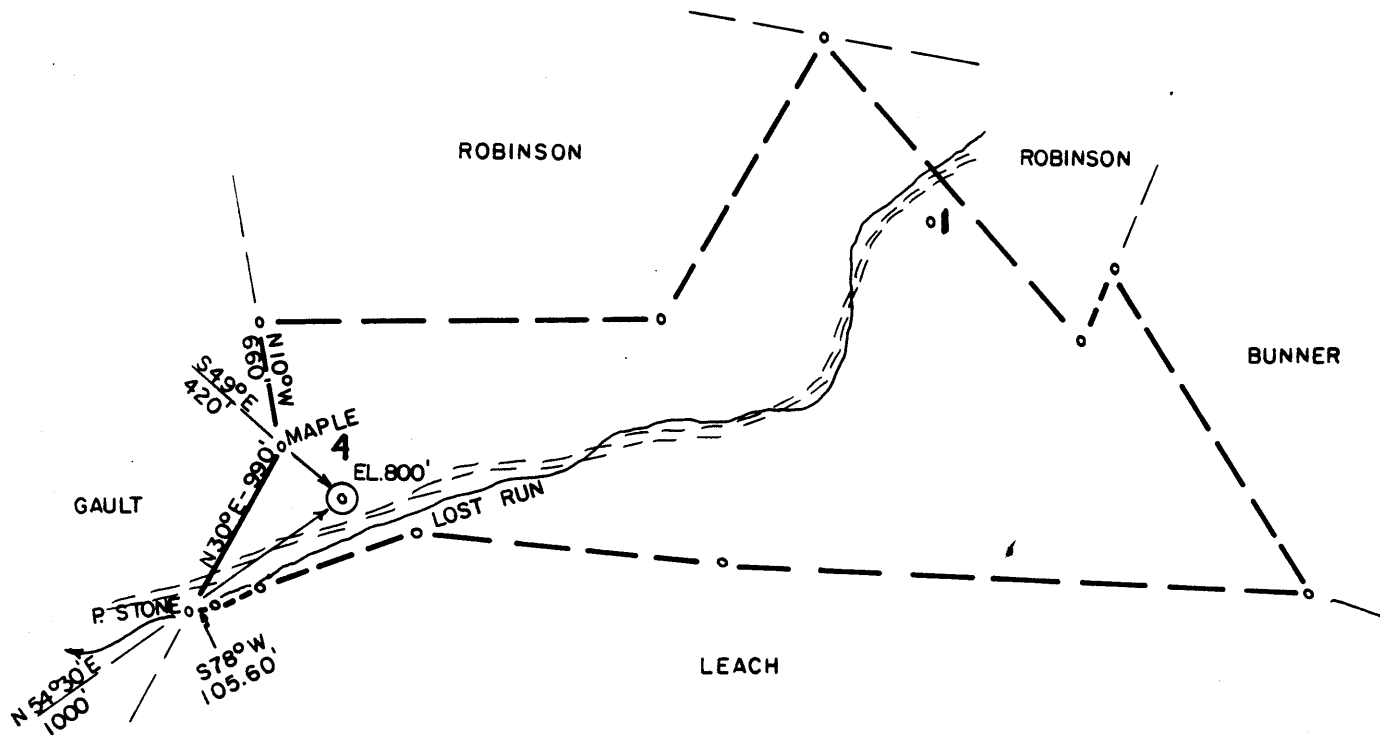
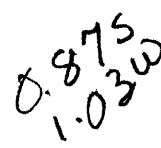


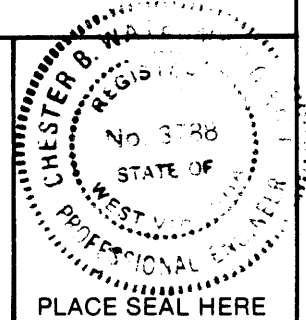
NORTH



(+) 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. Walker*  
 R.P.E. 3788 L.L.S. \_\_\_\_\_



PLACE SEAL HERE

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 COUNTY PERMIT

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' Elizabeth 15' Nc  
 SURFACE OWNER WESTVACO ACREAGE 181  
 OIL & GAS ROYALTY OWNER R. C. LINCICOME LEASE ACREAGE 200

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

OCT 3 1983

6-6 Hendershot - Oadin (72)

FORM IV-6 (8-78)

H.T. HALL

COUNTY NAME

PERMIT



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  / Gas  / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas," Production \_\_\_ / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow  /)

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 Sks.
7			
5 1/2			
4 1/2	None	2356.70'	273 Sks.
3			
2 -3/8	None	2260.81'	
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 2550 feet  
Depth of completed well 2,402 feet Rotary  / 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 Pay zone depth 2238-2246 feet <sup>2240-2245</sup>  
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

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.

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	
Coffee Shale			2225	2238	
<del>Berea</del>			2238	2246	
Shale			2246	<u>2396</u>	TD

(Attach separate sheets as necessary)

RIMROCK PRODUCTION CORPORATION

Well Operator

By: \_\_\_\_\_

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



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  
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 FWA Drilling Company, Inc.  
Address P.O. Box 448  
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
- 15) CASING AND TUBING PROGRAM

RECEIVED  
SEP 21 1983  
OIL & GAS DIVISION  
DEPT OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKETS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									
Fresh water	8-5/8	J	23	X		260'	260'	79 cubic	Kinds
Coal								ft. circ. to	By Rule 15.05
Intermediate								sur., 3% CC	Sizes
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: <b>LANXET BOND</b>	Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>2182</u>
--------------------------	---------------------------	--------------------------	----------------------------	------------------

[Signature]  
Administrator, Office of Oil and Gas