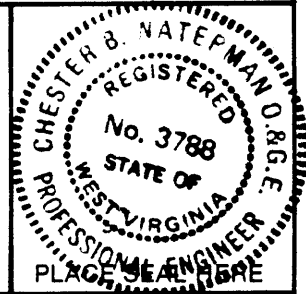


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 83-487
 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, 19 83
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-107-1285
 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
 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

OCT 3 1983 PERMIT

FORM IV-6 (8-78)
 H.T. HALL



IV-35
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

Date October 20, 1983
Operator's
Well No. #1
Farm Lincicome
API No. 47 - 107 - 1285

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 Corporation
ADDRESS Route 95 & Rayon Drive, Parkersburg, WV
MINERAL RIGHTS OWNER Robert 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 25271
PERMIT ISSUED Sept. 26, 1983
DRILLING COMMENCED October 3, 1983
DRILLING COMPLETED October 7, 1983
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	262	262	70 sks.
7			
5 1/2			
4 1/2	2328.37	2328.37	273 sks.
3			
2-3/8"		2002	
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 2550 feet
Depth of completed well 2400 feet Rotary X / Cable Tools
Water strata depth: Fresh 100 feet; Salt 1700 feet
Coal seam depths: Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation Berea ³⁹⁵ Pay zone depth 2190-2194 ~~2200-2294~~ feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow 83 Mcf/d Final open flow 2 Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure 350 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

JUL 23 1984

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

Perf. 8 holes from 2190'-2194'

Frac'd with 48,000 gal. water, 17,500# 20/40 sand, 200 gal. 15% acid

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	1090	
Sandstone & Shale			1090	1320	
Shale			1320	1490	
Sandstone & Shale			1490	1650	
Sandstone			1650	1710	
Sandstone			1710	1840	Salt Water
Shale			1840	2170	
Shale (Coffee)			2170	2190	
Sand (Berea)			2190	2194	
Shale			2194	2360	T.D.

(Attach separate sheets as necessary)

RIMROCK PRODUCTION CORPORATION

Well Operator

By: Robert F. Murdock

Date: October 20, 1983

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic



1) Date: September 6, 19 83
 2) Operator's Well No. Lincicome #1
 3) API Well No. 47 - 107 - 1285
 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 X /
 B (If "Gas", Production / Underground storage / Deep / Shallow X /)
- 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
Parkersburg, WV 26104
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Samuel 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 X / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Berea Sand
 12) Estimated depth of completed well, 2550 feet
 13) Approximate trata depths: Fresh, 100 feet; salt, 1700 feet.
 14) Approximate coal seam depths: None Is coal being mined in the area? Yes

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									
Fresh water	8-5/8	J	23#	X		260'	260'	Circ. to Sur.	Kinds <u>By Rule 15205</u>
Coal								70 Sks.	Sizes
Intermediate									
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: <u>Estimated</u> Top <u>2502</u> Bottom <u>2508</u>

GIL & GAS DIVISION/
 DEPT. OF MINES

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-107-1285 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:
	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>2181</u>

[Signature]
 Administrator, Office of Oil and Gas