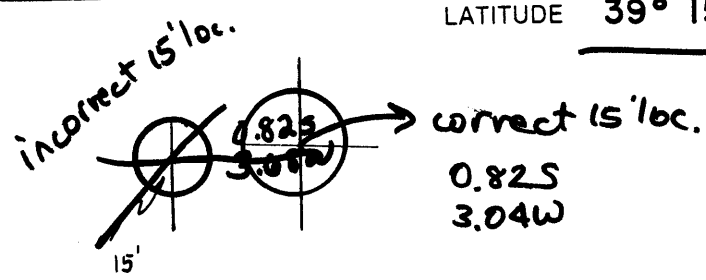
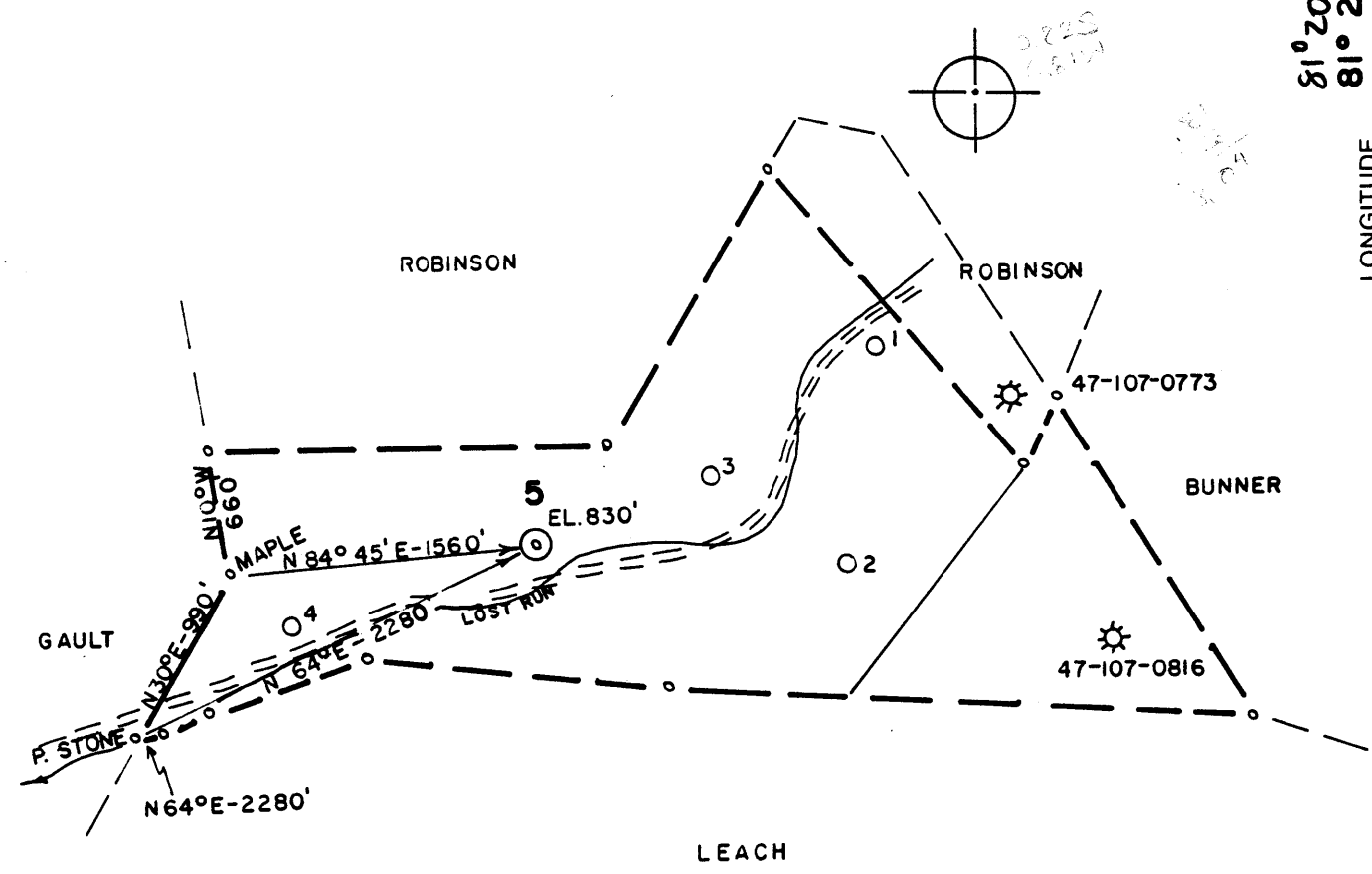


LATITUDE 39° 15' 00"



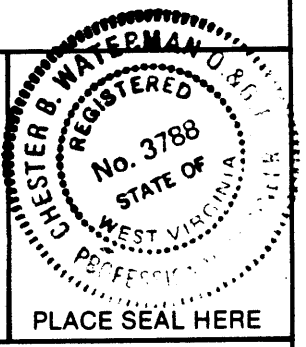
SOUTH 4300'
 LONGITUDE 81° 20' 15"
 81° 22' 30"



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

FILE NO. 83-557
 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. _____



PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE 10/7, 19 83
 OPERATOR'S WELL NO. 5
 API WELL NO. _____

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 830' WATER SHED LOST RUN
 DISTRICT WALKER COUNTY WOOD
 QUADRANGLE KANAWHA 7.5' Elizabeth 15' WC
 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 AVENUE ADDRESS SAME
PARKERSBURG, WV 26101

G-L Hendershot-Dadth (72)

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

COUNTY NAME
 PERMIT



State of West Virginia
Department of Mines
Oil and Gas Division

Date February 3, 1984
Operator's
Well No. Lincicome #5
Farm _____
API No. 47 - 107 - 1293

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: 830' 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 Rt. 95 & Rayon Dr., Parkersburg, WV
MINERAL RIGHTS OWNER R.C. Lincicome & L.H. Walsh
ADDRESS Vienna, WV & Ripley, WV
OIL AND GAS INSPECTOR FOR THIS WORK Jerry Tephapock
ADDRESS Rt.1, Box 101-A, Ripley, WV
PERMIT ISSUED October 24, 1983
DRILLING COMMENCED November 1, 1983
DRILLING COMPLETED November 4, 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	252'	252'	70 Sk.
7			
5 1/2			
4 1/2	2300'	2300'	273 Sk.
3			
2-3/8"		2258	
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 2500 feet
Depth of completed well 2350' 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 ²⁹⁵ Pay zone depth 2242-2251 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow (15.5) Mcf/d Final open flow (4) Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 400 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. 20 holes from 2242' to 2251'
Frac w/200 gal. 15% acid., 25,000# 20/40 sand, 43,310 gal. H₂O.

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	1092	
Sand			1092	1130	
Shale			1130	1144	
Sand			1144	1182	
Sand & Shale			1182	1230	
Sand			1230	1288	
Sandy Shale			1288	1314	
Sand			1314	1324	
Sand & Shale			1324	1356	
Sand			1356	1392	
Sandy Shale			1392	1424	
Sand			1424	1434	
Sand & Shale			1434	1654	
Shale			1654	1696	
Sand & Shale			1696	1710	
Sand			1710	1776	Saltwater
Sand & Shale			1776	1890	
Shale & Sand			1890	2020	
Shale			2020	2233	
Coffee Shale			2233	2246	
Berea			2246	2251	
Shale			2251	2356	TD

(Attach separate sheets as necessary)

RIMROCK PRODUCTION CORPORATION
Well Operator
By: Robert L. Murdock
Date: February 3, 1984

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic
detailed record of all formations including



1) Date: October 13, 19 83
 2) Operator's Well No. Lincicome #5
 3) API Well No. 47 - 107 - 1293
 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: 830' Watershed: Lost Run
 District: Walker County: Wood Quadrangle: Kanawha 7.5'
- 6) WELL OPERATOR Rimrock Production Corp. 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 Jerry Tephabock Name FWA Drilling Company, Inc.
 Address Rt. 1, Box 101-A Address P. O. Box 448
Ripley, WV 25271 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, 2500 feet
 13) Approximate strata depths: Fresh, 100 feet; salt, 1700 feet.
 14) Approximate coal seam depths: None Is coal being mined in the area? Yes _____

RECEIVED
 OCT 19 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'	Circ. to Sur.	By <u>Rule 15-2.5</u>
Coal								70 Sks.	
Intermediate									
Production	4-1/2	J	10.5	X		None	2500'	300 Sks.	Depths set
Tubing	2-3/8	H	4.6	X		None	2450'	None	
Liners									Perforations: <u>Estimated</u>
									Top Bottom
									2502 2508

DEPT. OF MINE

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-107-1293 Date October 24 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 October 24, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>2243</u>
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BLANKET BOND

[Signature]
 Administrator, Office of Oil and Gas

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

File