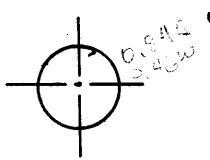
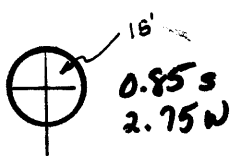


Plot Card

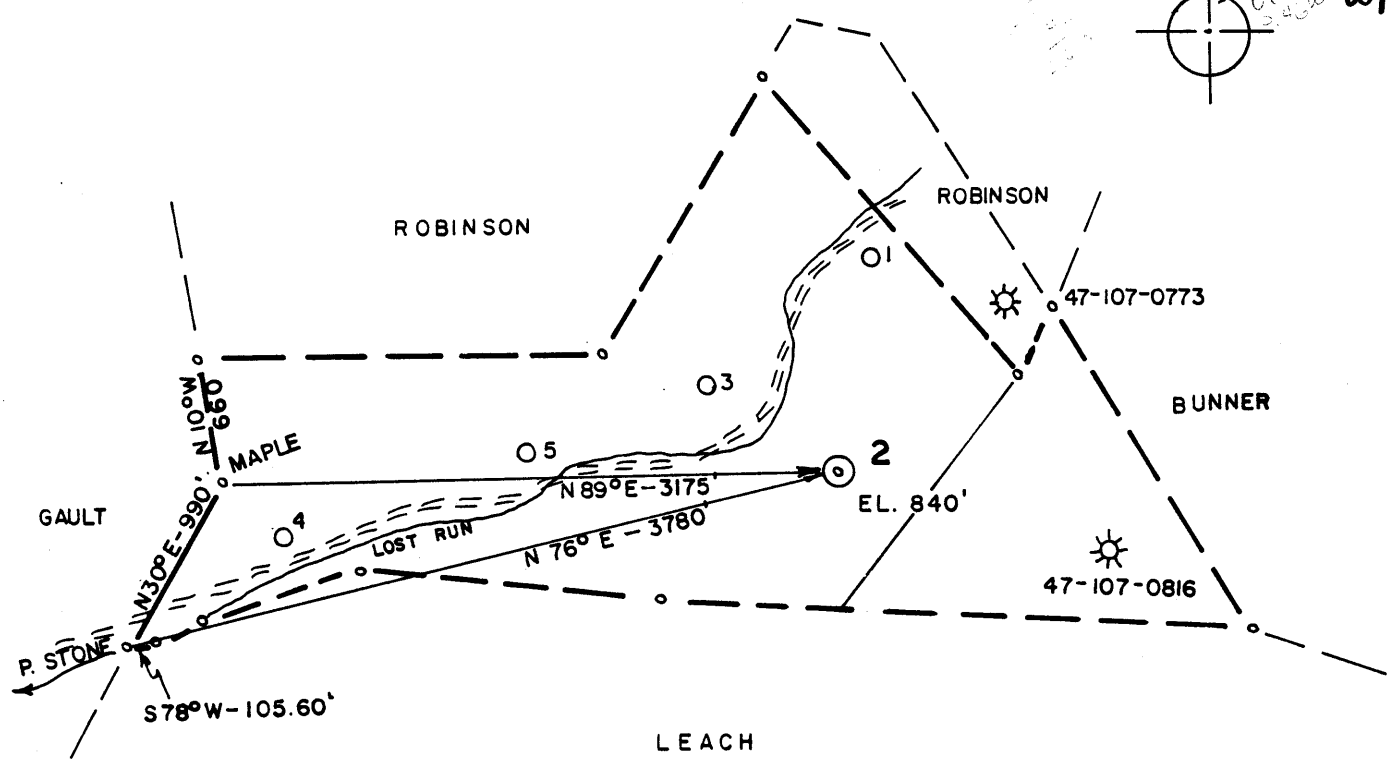
LATITUDE 39° 15' 00"

2420' W

LONGITUDE 81° 22' 30" SOUTH 4430'



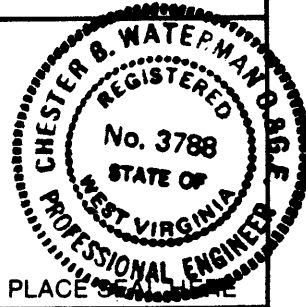
NORTH



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

FILE NO. 83-555
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 10/7, 19 83
OPERATOR'S WELL NO. 2
API WELL NO. _____

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____

LOCATION: ELEVATION 840' WATER SHED LOST RUN
DISTRICT WALKER COUNTY WOOD
QUADRANGLE KANAWHA 7.5' Elizabeth 15' DC

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

COUNTY NAME PERMIT

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

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

Perf. 21 holes from 2292-2301'

Frac w/200 gal. 15% acid, 175,000# 20/40 sand, 120,000 SCF N₂
42,500 total gal. pumped w/pad flush and treatment.

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	11	
Sandstone			11	50	
Shale			50	150	
Sandy Shale			150	770	
Sand			770	790	
Sandy Shale			790	1152	
Sand			1152	1180	
Shale			1180	1190	
Sand			1190	1250	
Shale			1250	1348	
Sand			1348	1374	
Sandy Shale			1374	1445	
Sand			1445	1476	
Sandy Shale			1476	1638	
Sand			1638	1705	
Shale			1705	1725	
Sand			1725	1820	Saltwater
Shale			1820	1840	
Sand			1840	1890	
Shale & Sand			1890	2065	
Shale			2065	2280	
Coffee Shale			2280	2294	
Berea			2294	2298	
Shale			2298	<u>2331</u>	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 geological record of all formations, including



1) Date: October 13, 1983
 2) Operator's Well No. Lincicome #2
 3) API Well No. 47 - 107 - 1292
 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: 840' Watershed: Lost Run
 District: Walker County: Wood Quadrangle: Kanawha 7.5'
- 6) WELL OPERATOR Rimrock Production Corp.
 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 Jerry Tephabock
 Address Rt. 1, Box 101-A
Ripley, WV 25271
- 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 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
 OIL & GAS DIVISION
 DEPT. OF MINES

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 date 15.05
Coal								70 Sks.	Sizes
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: Estimated
									Top Bottom
									2502 2508

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-107-1292 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:	Plat:	Casing	Fee
MARKET BOND	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	2243

[Signature]
 Administrator, Office of Oil and Gas

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