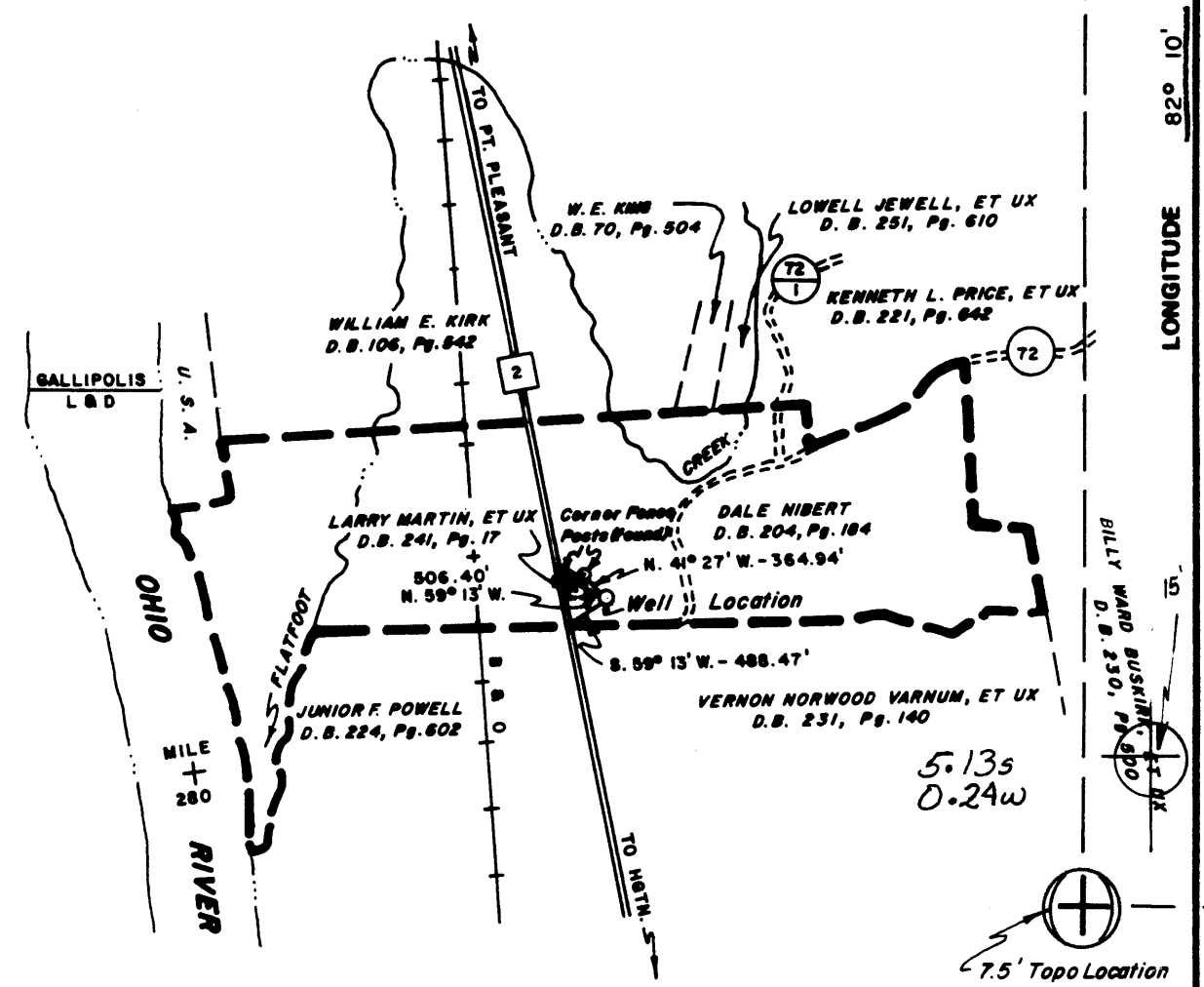


LATITUDE 38° 42' 30"  
38° 45' -15"

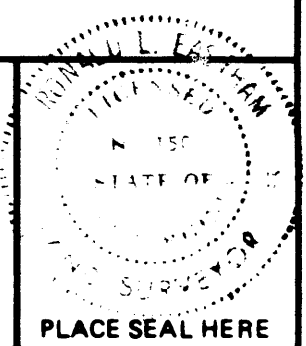
LONGITUDE 82° 10' 15"

NORTH



FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 2000'  
MINIMUM DEGREE OF ACCURACY 1:200  
PROVEN SOURCE OF ELEVATION NGS B. M. "G-118"  
Elev. = 579.851

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) Ronald L. East  
R.P.E. \_\_\_\_\_ L.L.S. 150



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
FORM IV-6 (8-78)



DATE July 18, 19 83  
OPERATOR'S WELL NO. 1912  
API WELL NO. 47-053-0303  
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
LOCATION: ELEVATION 587.50 WATER SHED Flatfoot Creek  
DISTRICT Clendenin COUNTY Mason  
QUADRANGLE Apple Grove Glenwood 15' NW  
SURFACE OWNER Dale W. Nibert, et ux ACREAGE 448  
OIL & GAS ROYALTY OWNER Dale W. Nibert, et ux LEASE ACREAGE 448  
LEASE NO. C-2-590  
PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION Devonian Shale ESTIMATED DEPTH 3,500'  
WELL OPERATOR Union Drilling, Inc. DESIGNATED AGENT Joseph C. Vanzant, Jr.  
ADDRESS Drawer 40 ADDRESS Drawer 40  
Buckhannon, WV 26201 Buckhannon, WV 26201

AUG 22 1983

MASON 0303



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

On 9/14/83 Halliburton foam fractured the Devonian Shale  
with 45,000# sand, 274 BBL Water, 621,000 SCF Nitrogen

Perforations at: 2678/3200 (44 shots)

2678 - 3200  
2008 - 2112 - Java  
3112 - 3200 - Onondaga  
**WELL LOG**

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fr and salt water, coal, oil and
Top Soil			0	5	
River Gravel			5	80	Water at 420' 3"
Sand and Shale			80	1168	Water at 1120' 4"
Big Lime			1168	1238	
Sand and Shale			1238	1730	
Berea			1858	1858	
Devonian Shale			1858	3330	
<u>Onondaga</u>			3330	<u>3378 TD</u>	

3200  
1858  
1342  
2678  
1858  
822

3330  
1858  
1472

from GR log - 2678 TD  
H - 2678 - 3200 (104)  
I - 3200 - 3330 (104)  
A - 3330 - 3378 (48)  
R - 3378 - 3200 (178)  
O - 3200

(Attach separate sheets as necessary)

UNION DRILLING, INC.

Well Operator

By: *Joseph C. Pettey*

Joseph C. Pettey  
Vice President of Prod.

Date: 11/1/83

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

