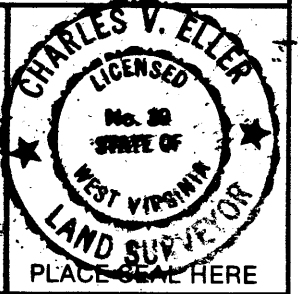


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1 in. = 300'  
 MINIMUM DEGREE OF ACCURACY 1 in 2500  
 PROVEN SOURCE OF ELEVATION B.M. F22  
ELEV. 931.91

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) Charles V. Eller  
 R.P.E. \_\_\_\_\_ L.L.S. No. 39



**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF MINES  
**OIL AND GAS DIVISION**

DATE 11-6, 1984  
 OPERATOR'S WELL NO. RILEY #2  
 API WELL NO. 47-051-0708

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

LOCATION: ELEVATION 1320' WATERSHED GRAVE CREEK  
 DISTRICT CAMERON COUNTY MARSHALL  
 QUADRANGLE GLENEASTON

SURFACE OWNER CHARLES W. RILEY ACREAGE 286.90  
 OIL & GAS ROYALTY OWNER CA D'ORA INC. LEASE ACREAGE 286.90  
 LEASE NO. R-2

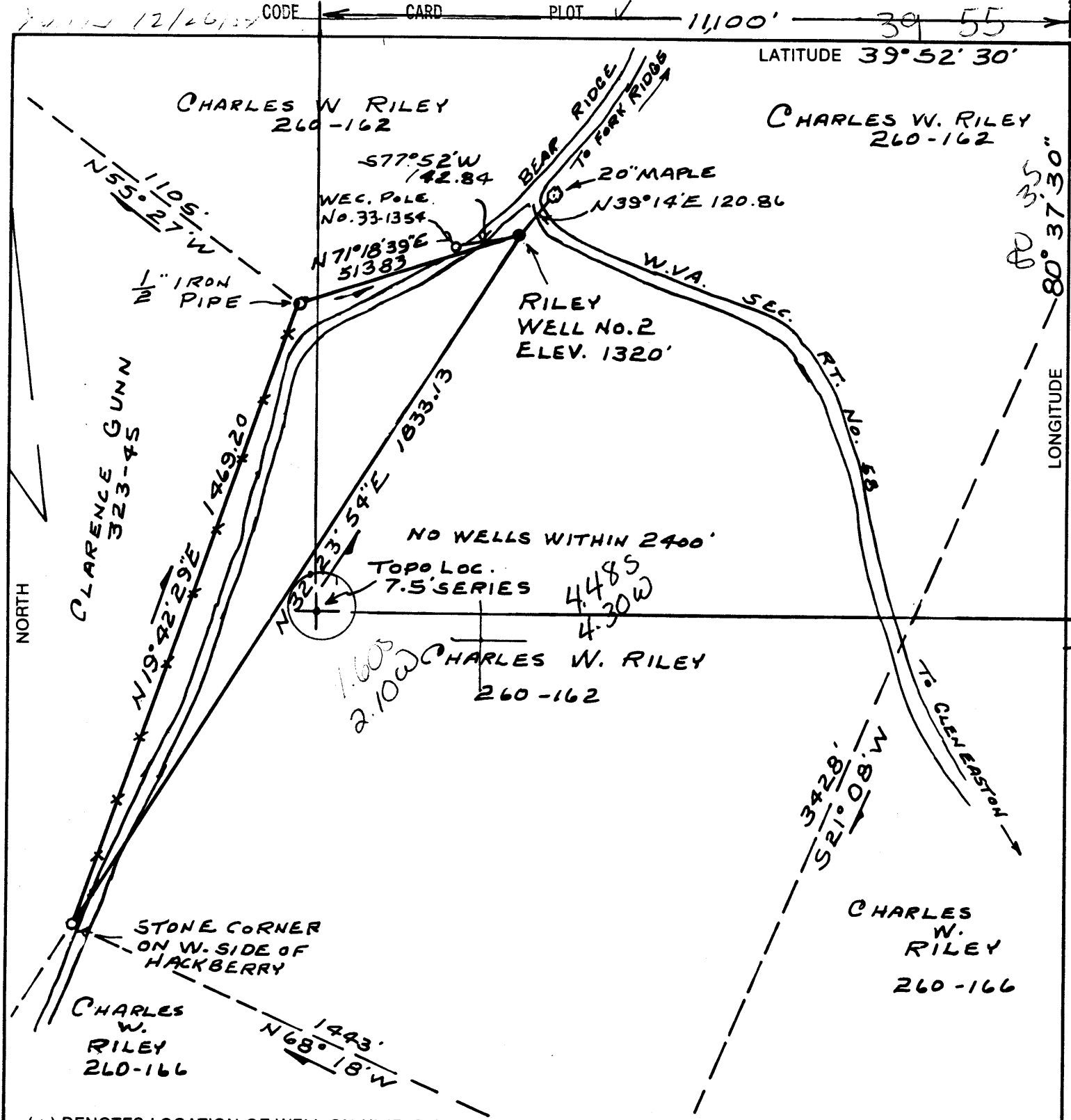
PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION Berea ESTIMATED DEPTH 2760  
 WELL OPERATOR CA D'ORA INC DESIGNATED AGENT ROBERT ELLIS  
 ADDRESS RR # 2 Box 44 ADDRESS 407 W 4TH ST  
WATERFORD OHIO 45786 WILLIAMSTOWN WEST VIRGINIA

OCT 28 1985

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

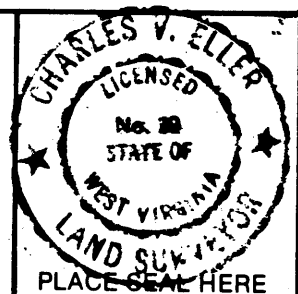
MARSH COUNTY NAME PERMIT 0708



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

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1 in. = 300'  
 MINIMUM DEGREE OF ACCURACY 1 in 2500  
 PROVEN SOURCE OF ELEVATION B.M. F22  
ELEV. 931.91

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) Charles V. Eller  
 R.P.E. \_\_\_\_\_ L.L.S. No. 39



**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF MINES  
**OIL AND GAS DIVISION**



DATE 11-6, 1984  
 OPERATOR'S WELL NO. RILEY #2  
 API WELL NO.

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

LOCATION: ELEVATION 1320' WATERSHED GRAVE CREEK  
 DISTRICT CAMERON COUNTY MARSHALL

QUADRANGLE GLENEASTON 30 OR Cameron 15' C5  
 SURFACE OWNER CHARLES W. RILEY ACREAGE 286.90

OIL & GAS ROYALTY OWNER CA D'ORA INC. LEASE ACREAGE 286.90  
 LEASE NO. R-2

PROPOSED WORK: DRILL X 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 2760

WELL OPERATOR CA D'ORA INC 312 DESIGNATED AGENT ROBERT ELLIS  
 ADDRESS RR # 2 Box 44 ADDRESS 407 W 4th ST  
WATERFORD OHIO 45786 WILLIAMSTOWN WEST VIRGINIA

COUNTY NAME PERMIT

FORM IV-6 (8-76) H.T. HALL



1) Date: November 7, 19 84  
 2) Operator's Well No. Riley #2  
 3) API Well No. 47 - 051 - 0708  
 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 X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 1320 Watershed: Lick Run  
 District: Cameron County: Marshall Quadrangle: Glen Easton
- 6) WELL OPERATOR Ca D' Ora Inc. 7) DESIGNATED AGENT Robert Ellis  
 Address Route 2 Box 44 Address 407 W. 4th Street  
Waterford, Ohio 45786 Williamstown, WV 26187
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Robert Lowther Name William Putnam  
 Address General Delivery Address P.O. Box 647  
Middlebourne, WV 26149 Marietta, Ohio 45750
- 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
- 12) Estimated depth of completed well, 2760 feet
- 13) Approximate strata depths: Fresh, 100 feet; salt, NR feet.
- 14) Approximate coal seam depths: 990' Is coal being mined in the area? Yes \_\_\_\_\_ / No X
- 15) CASING AND TUBING PROGRAM

**RECEIVED**  
 NOV 16 1984  
 OIL & GAS DIVISION  
 DEPT. OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT OR SACKS (Cubic feet)	Kinds
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									
Fresh water									
Coal	7"	ERW	17	X		1040'	1040'	To Surface	Sizes By Rule 15-05
Intermediate									
Production	4 1/2"	ERW	10.5	X		2760	2760	As Required	By Rule 15-01
Tubing									
Liners									Perforations: Top _____ Bottom _____

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-051-0708 Date December 26, 1984

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 December 26, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
195	MH	MH	MH	745

*Margaret J. Lasse*  
 Administrator, Office of Oil and Gas

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

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.