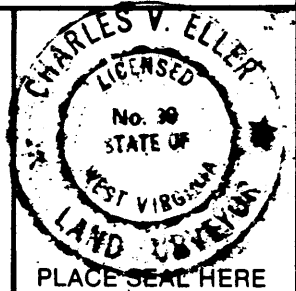


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1 in. = 300'  
 MINIMUM DEGREE OF ACCURACY 1 in 2500  
 PROVEN SOURCE OF ELEVATION B.M. F 22  
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 #1  
 API WELL NO.

WELL TYPE: OIL X GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1259.50 WATERSHED GRAVE CREEK  
 DISTRICT CAMERON COUNTY MARSHALL  
 QUADRANGLE GLEN EASTON 370 09 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 X 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 2700  
 WELL OPERATOR CA D'ORA INC. 312 DESIGNATED AGENT ROBERT ELLIS  
 ADDRESS RT #2 Box 44 ADDRESS 407 WEST 4TH ST  
WATERFORD OHIO 45786 WILLIAMSTOWN WEST VIRGINIA

JAN 7 1985

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

COUNTY NAME  
 PERMIT



1) Date: November 7 19 84  
 2) Operator's Well No. Riley # 1  
 3) API Well No. 47 - 051 - 0709  
 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: 1259.5 Watershed: Lick Run  
 District: Cameron County: Marshall Quadrangle: Glen Easton
- 6) WELL OPERATOR Ca D' Ora Inc. 7) DESIGNATED AGENT Robert Ellis  
 Address Box 44 Rt. 2 Address 407 West 4th Street  
Waterford Ohio 45786 Williamstown West Va
- 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 West Va 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, 2700 feet  
 13) Approximate trata depths: Fresh, 100 feet; salt, NR feet.  
 14) Approximate coal seam depths: 975' Is coal being mined in the area? Yes            / No X

RECEIVED  
 NOV 14 1984

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT PUMP OR SACKS (Cubic feet)	PACKAGES
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water									
Coal	7"	ERW	17	X		975'	975'	To Surface	Sizes By Rule 15-05
Intermediate									
Production	4-1/2"	ERW	10.5	X		2700	2700	As Required	By Rule 15-01
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-051-0709 Date December 26, 19 84

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	MW	MU	MW	745

*Margaret J. Hasse*  
 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.