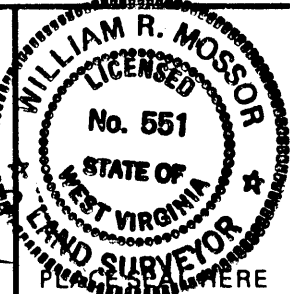


**RAY BLAKE  
125.75 ACRE  
LEASE**

FILE NO. MB 7-11  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1:200'  
 PROVEN SOURCE OF ELEVATION HIGH POINT  
ELEV. 1334'

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) William R. Mossor  
 R.P.E. \_\_\_\_\_ L.L.S. 551



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



DATE 3 FEBRUARY, 19 86  
 OPERATOR'S WELL NO. RAY BLAKE #1  
 API WELL NO. \_\_\_\_\_  
47 - 103 - 1397  
 STATE COUNTY PERMIT

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

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 1307' WATER SHED CAMP RUN  
 DISTRICT MAGNOLIA 6 COUNTY WETZEL  
 QUADRANGLE NEW MARTINSVILLE 509 091 E 4  
 SURFACE OWNER RAY BLAKE ACREAGE 107.75  
 OIL & GAS ROYALTY OWNER RAY BLAKE LEASE ACREAGE 125.75  
 LEASE NO. \_\_\_\_\_  
 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 GORDON ESTIMATED DEPTH 3100' MAY 12 1986  
 WELL OPERATOR CLAY RESOURCES DESIGNATED AGENT ANDY BROWN  
 ADDRESS 204 UNION SQUARE ADDRESS BOX 32  
MARIETTA, OHIO 45750 READER, W.VA. 26167



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

PERFORATED: 10 HOLES: 3064 - 3074 } Gordon  
 10 HOLES: 3108 - 3117 }

FRAC'D: 75% FCHM; BROKE @ 2300; 400 SKS 7/16 SAND; N<sub>2</sub> 4-3,107 SCF

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
SAND, SS, LIME			0	2550	
LIMESTONE, SHALE			2550	2700	
SAND, SS			2700	2850	1st Berea: 2828 - 2834 2nd Berea: 2842 - 2848
SAND SHALE			2850	3000	
SHALE, SS			3000	3232	Gordon: 3060 - 3110

(Attach separate sheets as necessary)

CLAY RESOURCES, INC.

Well Operator

By:

Date: September 10, 1986

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 all, encountered in the drilling of a well."

FILE COPY  
**RECEIVED**  
APR 10 1986



1) Date: April 4, 1986  
2) Operator's Well No. Ray Blake #1  
3) API Well No. 47 103-1397  
State County Permit

DIVISION OF OIL & GAS STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, 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: 1307 Watershed: Camp Run  
District: Magnolia County: Wetzel Quadrangle: New Martinsville
- 6) WELL OPERATOR Clay Resources, Inc. CODE: 10025 7) DESIGNATED AGENT Andy Brown  
Address 286 Front Street Address Box 32  
Marietta, OH 45750 Reader, WV 26167
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
Name Don Ellis Name Unknown  
Address 2604 Crab Apple Lane Address \_\_\_\_\_  
Fairmont, WV 26554
- 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, Gordon
- 12) Estimated depth of completed well, 3100' feet
- 13) Approximate trata depths: Fresh, 4507' feet; salt, 2286' feet.
- 14) Approximate coal seam depths: 1107' Is coal being mined in the area? Yes \_\_\_\_\_ / No

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		
Conductor						* 537	* 537	CTS Per rule 15.05
Fresh water	8 5/8					1507'	1507'	CTS Per rule 15.05
Coal								Sizes
Intermediate								
Production	4 1/2					3100' appr.	3100' appr.	500+ SKS Depths seper rule 15.01
Tubing								
Lin.		* TO BE RUN IF FRESH WATER IS ENCOUNTERED.						Perforations: Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-103-1397 Date May 5 1986

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 May 5, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: AS	Casing: AS	Fee: 1993	WPCP: AS	S&E: AS	Other:
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NOTE: Keep one copy of this permit posted at the drilling location.  
John W. Johnston by Margaret J. Nass  
Director, Division of Oil and Gas File

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