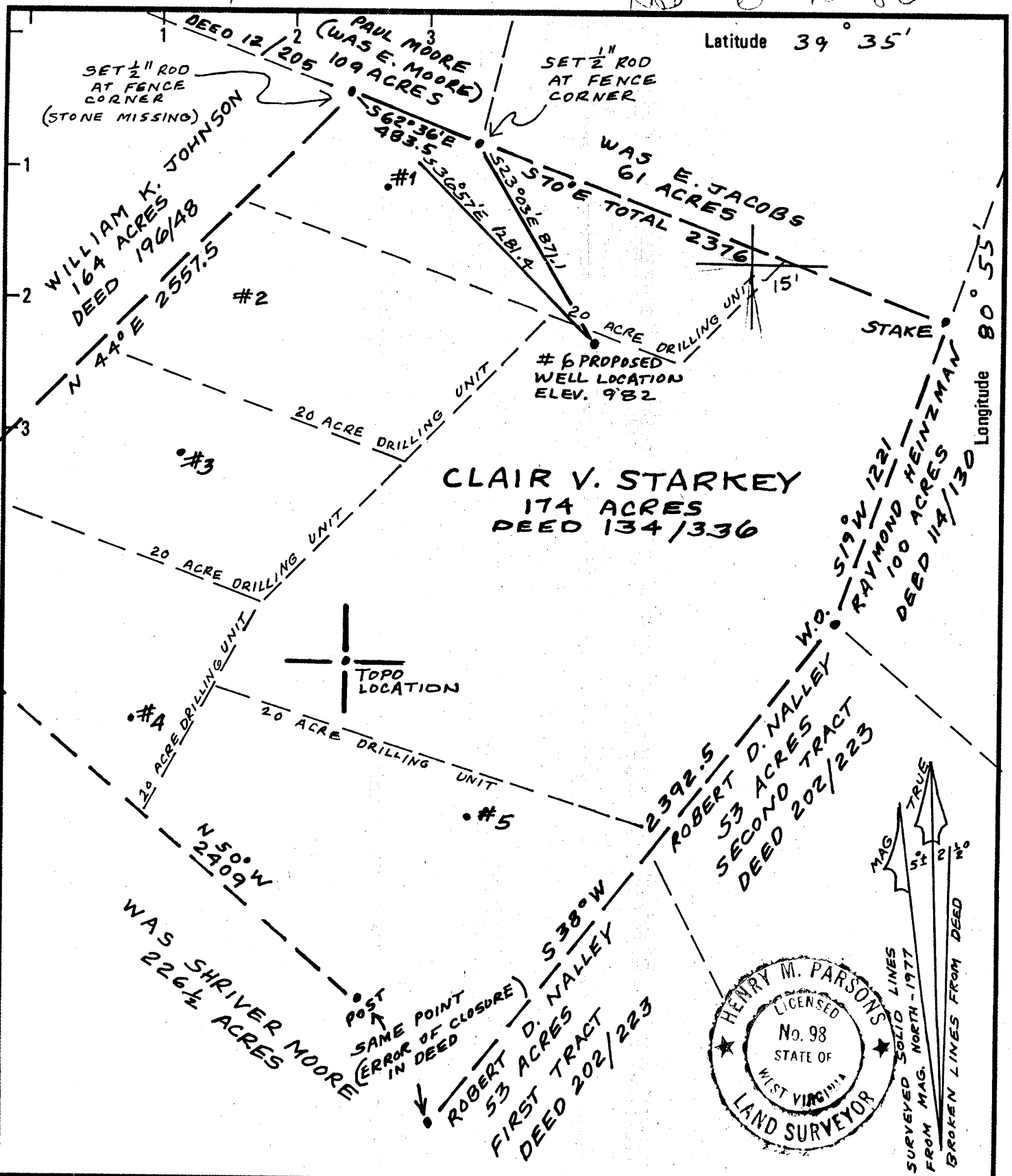


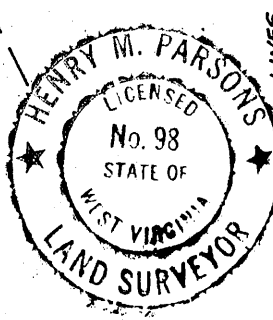
7-23

HO 6-13-80



Latitude 39° 35'

Longitude 80° 55'



New Location  Drill Deeper  Abandonment

Minimum Error of Closure METHODS USED SHOULD PRODUCE 1" IN 2500  
 Source of Elevation BASE ELEV. POINTS WERE 110.8 AND 104.2 FROM NEAREST ROAD INTERSECTIONS SHOWN ON T.O.P.O. MAP

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia." *Henry M. Parsons*

Company EMES PETROLEUM

Address \_\_\_\_\_

Farm CHAIR STARLEY (20 ACRE DRILLING UNIT)

Tract \_\_\_\_\_ Acres 174 Lease No. \_\_\_\_\_

Well (Farm) No. CLAIR STARKEY #6 Serial No. \_\_\_\_\_

Elevation (Spirit Level) 982 NEW MARTINSVILLE 15'

Quadrangle PADEN CITY 7 1/2

County TYLER District LINCOLN

SURVEYOR HENRY M. PARSONS

Engineer's Registration No. 98

File No. 78-5288 Drawing No. 78-5288-E

Date JUNE 18, 1979 Scale 1" = 500'

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

WELL LOCATION MAP  
 FILE NO. 095-0811

*Cancelled*

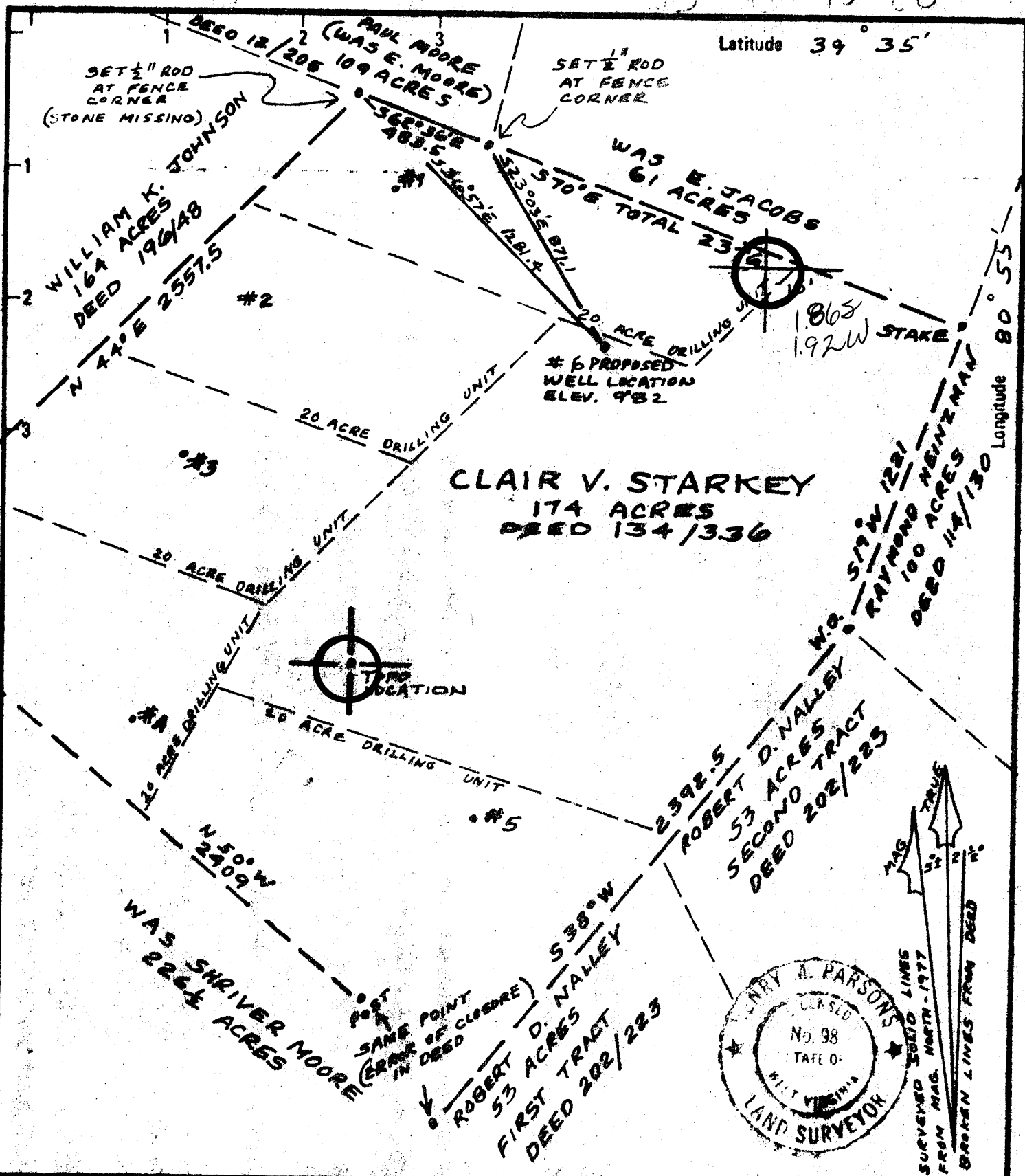
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border lines of original tracing.

JAN 26 1987

3270' FIFTH SAND

6-13-80



New Location   
 Drill Deeper   
 Abandonment

Minimum Error of Closure METHODS USED SHOULD PRODUCE 1" IN 2500  
 Source of Elevation BASE ELEV. POINTS WERE 1108 AND 1047 FROM  
 NEAREST ROAD INTERSECTIONS SHOWN ON TOPO MAP  
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and  
 belief and shows all the information required by paragraph 6 of the rules and regulations of  
 the oil and gas section of the mining laws of West Virginia."  
*Henry M. Parsons*

Company EMES PETROLEUM  
 Address \_\_\_\_\_  
 Farm CHAIR STABLEY (20 ACRE DRILLING UNIT)  
 Tract \_\_\_\_\_ Acres 174 Lease No. \_\_\_\_\_  
 Well (Farm) No. CLAIR STARKEY #2 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 982 NEW MARTINSVILLE 15'  
 Quadrangle PADEN CITY 7E SW  
 County TYLER District LINCOLN  
 Surveyor HENRY M. PARSONS  
 Engineer's Registration No. 98  
 File No. 78-5288 Drawing No. 78-5288-E  
 Date JUNE 18, 1979 Scale 1" = 500'

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

**WELL LOCATION MAP**  
 FILE NO. 095-0811

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.  
 - Denotes one inch spaces on border line of original tracing.

**3270' FIFTH SAND**

ND 6-13-80



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE 4-17-80

Surface Owner Clair Starkey

Company Emes Petroleum Co., Inc.

Address Sistersville, W. Va.

Address 619 Laconia Bldg., Wheeling, W. Va.

Mineral Owner Clair Starkey

Farm Starkey Acres 174

Address Sistersville, W. Va.

Location (waters) Badger Run

Coal Owner Clair Starkey

Well No. 6 Elevation 982'

Address Sistersville, W. Va.

District Lincoln County Tyler

Coal Operator None

Quadrangle Paden City, W. Va.

Address \_\_\_\_\_

THIS PERMIT MUST BE POSTED AT THE WELL SITE :

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 2-16-81.

INSPECTOR  
TO BE NOTIFIED Phil Tracy

ADDRESS Middlebourne, W. Va.

PHONE 758-4573

*Robert L. Hill*

Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated Oct. 4 1978 by John Richmond made to James T. Emes and recorded on the 4th day of Oct. 1978 in Tyler County, Book 217 Page 9  
 NEW WELL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Very truly yours,  
(Sign Name) James T. Emes  
Well Operator

619 Laconia Bldg.  
Street  
Wheeling  
City or Town  
W. Va.  
State

Address  
of  
Well Operator

JUN 11 1980

\*SECTION 3... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

**THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON O&G-10 UPON COMPLETION**

PROPOSED WORK ORDER TO  DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT \_\_\_\_\_  
 NAME Little Swiss Drilling \_\_\_\_\_ NAME C. W. Riggs, Inc. \_\_\_\_\_  
 ADDRESS Buchannon, W. Va. \_\_\_\_\_ ADDRESS St. Marys, W. Va. \_\_\_\_\_  
 TELEPHONE 472-6396 \_\_\_\_\_ TELEPHONE 684-3974 \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL: 3270' \_\_\_\_\_ ROTARY  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: 5th Sand-Upper Devonian \_\_\_\_\_  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB  STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

**TENTATIVE CASING PROGRAM:**

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL UP OR SACKS (CUBIC FT)
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8 250'		250'	cement top-bottom
7			
5 1/2			
4 1/2 3270'		3270'	200 sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 128' FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS \_\_\_\_\_  
 IS COAL BEING MINED IN THE AREA? NO BY WHOM? \_\_\_\_\_

**TO DRILL:**

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

**TO DRILL DEEPER OR REDRILL:**

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

**TO FRACTURE - STIMULATE:**

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for \_\_\_\_\_ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

\_\_\_\_\_  
For Coal Company

\_\_\_\_\_  
Official Title