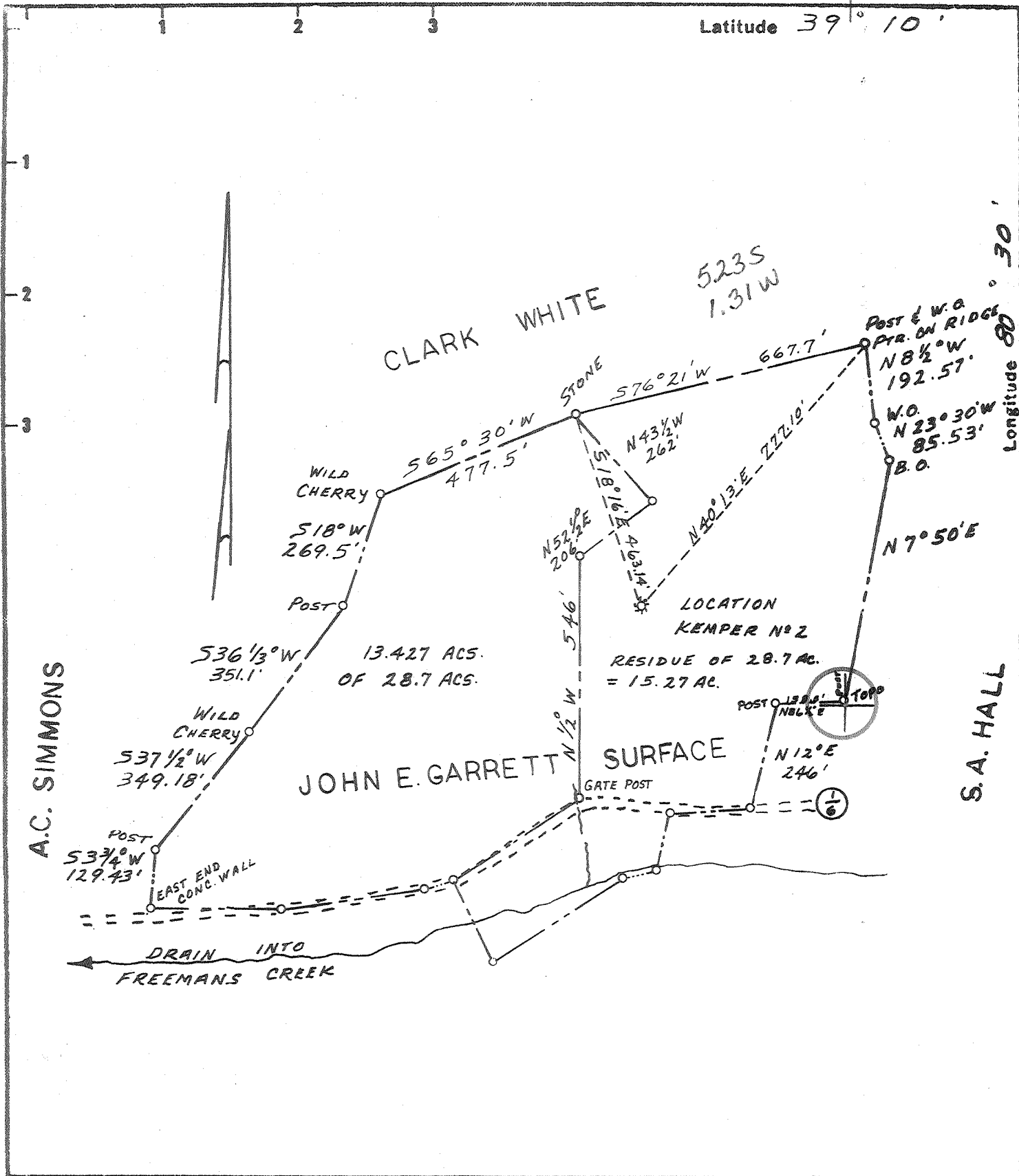


Latitude 39° 10'



- Fracture Before 6/5/29
- New Location
- Drill Deeper
- Redrill
- Abandonment

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 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia. *Paul G. Dean*
 The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.
PROVEN ELEVATION BRIDGE 220' NW OF LOC = 1035

Company **CO-OPERATIVE OIL INVESTMENT INC.**
 Address **BOX 228, SPENCER, W. VA.**
 (Min.) Farm **CHARLES KEMPER ET. AL.**
 Tract **1** Acres **15.27 AC.** Lease No. _____
 Well (Farm) No. **TWO** Serial No. _____
 Elevation (Spirit Level) **1250**
 Quadrangle **VADIS EC**
 County **LEWIS** District **FREEMANS CREEK**
 Engineer **PAUL G. DEAN**
 Engineer's Registration No. **1856**
 File No. **136-14-18** Drawing No. **73-35**
 Date **MAY 21, 1973** Scale **1" = 300'**

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
John E. Garrett, Sup. OIL AND GAS DIVISION
 CHARLESTON

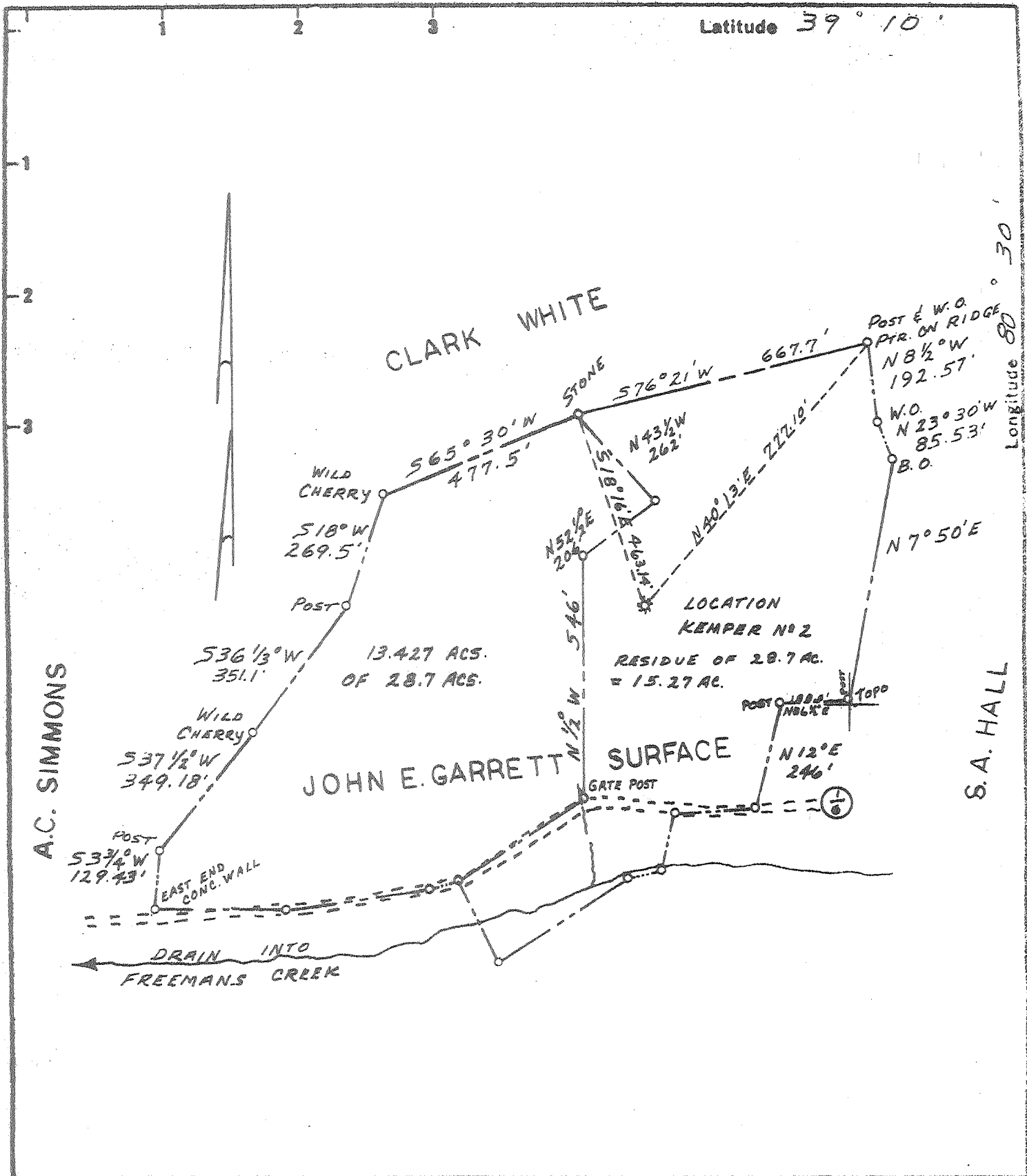
WELL LOCATION MAP
 FILE NO. **LEW-1923-C.**
 DRILLING CANCEL.

+ 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.

47 041 JUN 30 1975

Deepwell



Fracture Before 6/5/29
 New Location
 Drill Deeper
 Redrill
 Abandonment

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 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia. *Paul G. Dean*
 The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.
 PROVEN ELEVATION BRIDGE 2200' NW OF LOC = 1895

Company **CO-OPERATIVE OIL INVESTMENT INC.**
 Address **BOX 228, SPENCER, W. VA.**
 (Min.) Farm **CHARLES KEMPER ET AL**
 Tract **1** Acres **15.27 AC.** Lease No. _____
 Well (Farm) No. **TWO** Serial No. _____
 Elevation (Spirit Level) **1250**
 Quadrangle **VADIS 20**
 County **LEWIS** District **FREEMANS CREEK**
 Engineer **PAUL G. DEAN**
 Engineer's Registration No. **1856**
 File No. **136-14-18** Drawing No. **73-35**
 Date **MAY 21, 1973** Scale **1" = 300'**

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
John E. Garrett, Sr. CHARLESTON
WELL LOCATION MAP
 FILE NO. **LEW-1923**
 + 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.
47 041



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
MAY 24 1973
OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.

DATE May 22, 1973

Surface Owner John E. Garrett *Surface* Company Cooperative Oil Investments, Inc.
 Address Box 274 - Rt. 1 - Weston, W. Va. Address P.O. Box 228, Spencer, W. Va. 25276
 Mineral Owner Charles Kemper Et al Farm Charles Kemper et al Acres 15.27 of 28.7 Ac.
 Address Weston, W. Va. - Rt. 1 Location (waters) Freeman's Creek
 Coal Owner None Well No. #2 Elevation 1250
 Address _____ District Freeman's Creek County Lewis
 Coal Operator None Quadrangle Vadis
 Address _____

INSPECTOR TO BE NOTIFIED Mr. Paul Thomas
Box 12 PH: 472-0418
Buckhannon
W. Va. 26201

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 10-5-73

Robert K. Fisher
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 June 21 19 72 by I.N. Hickox made to Cooperative Oil Investments, Inc. and recorded on the 30th day of June 19 72 in Lewis County, Book 330 Page 680

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.

Very truly yours, Cooperative Oil Investments, Inc.

(Sign Name) Ned W. Easley
 Ned W. Easley, Well Operator President
 P. O. Box 228
 _____ Street
 Spencer
 _____ City or Town
 West Virginia 25276
 _____ State

Address of Well Operator

*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.

BOND DRILL

Lew-1923 PERMIT NUMBER
47041

**THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION.**

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME Ned W. Hasley, President
 ADDRESS _____ ADDRESS P.O. Box 228 - Spencer, W. Va. 25276
 TELEPHONE _____ TELEPHONE 927 1922
 ESTIMATED DEPTH OF COMPLETED WELL: 7200' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10	250'		
9 - 5/8	1400'	1400	cement & surface
8 - 5/8			
7			
5 1/2			
4 1/2	7200	7200	300 bags
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 70 FEET _____ SALT WATER _____ FEET 1100
 APPROXIMATE COAL DEPTHS None
 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