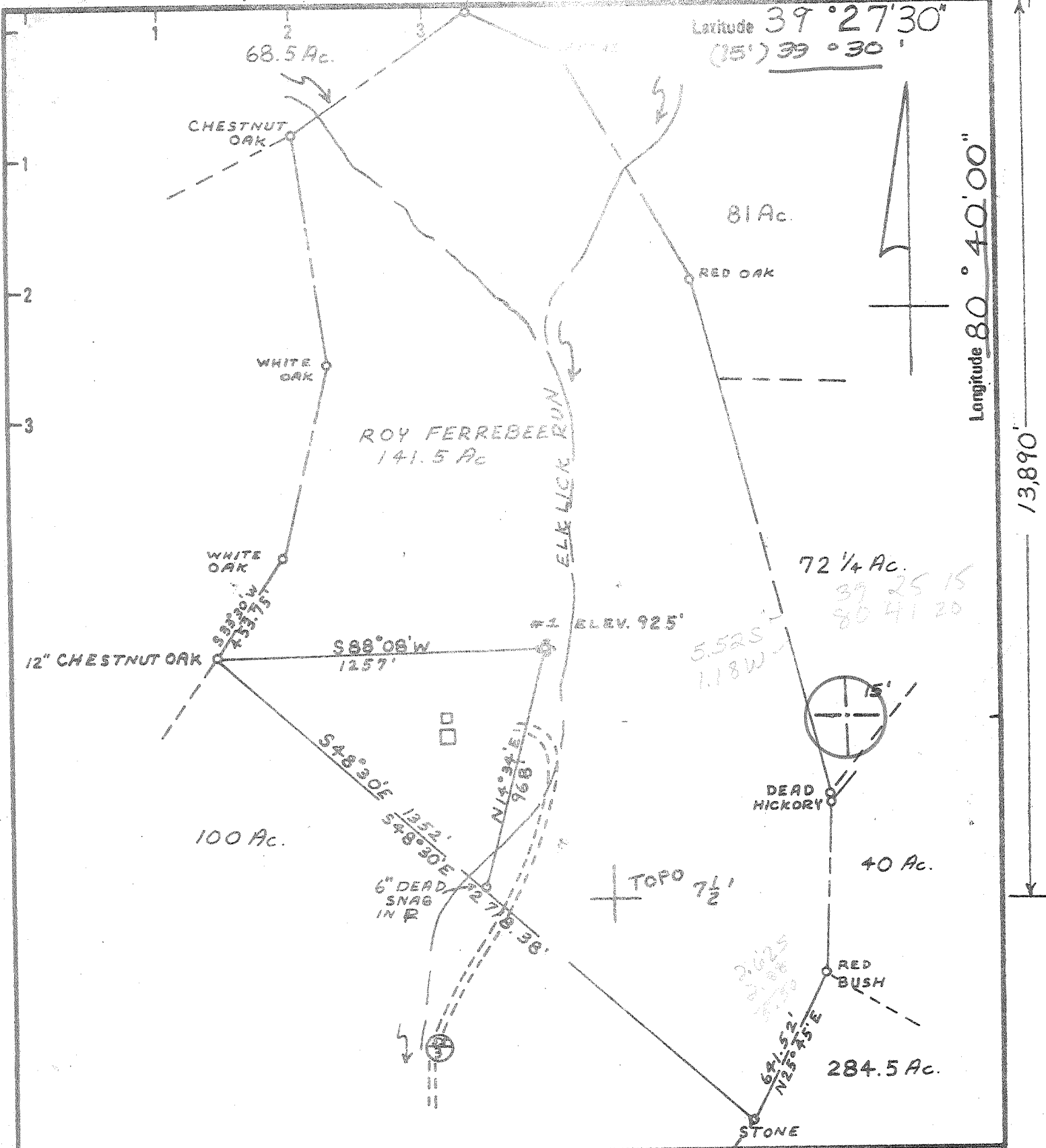


Latitude  $39^{\circ} 27' 30''$   
 (35')  $39^{\circ} 30'$



Longitude  $80^{\circ} 40' 00''$   
 13890'

New Location   
 Drill Deeper   
 Abandonment

Minimum Error of Closure  $1'$  IN  $200'$   
 Source of Elevation **BM 747 INT. (23) AND (22/3) U.S.G.S. TOPOGRAPHIC QUADRANGLE - 7 1/2 MIN.**  
 "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." *Paul G. Dean*

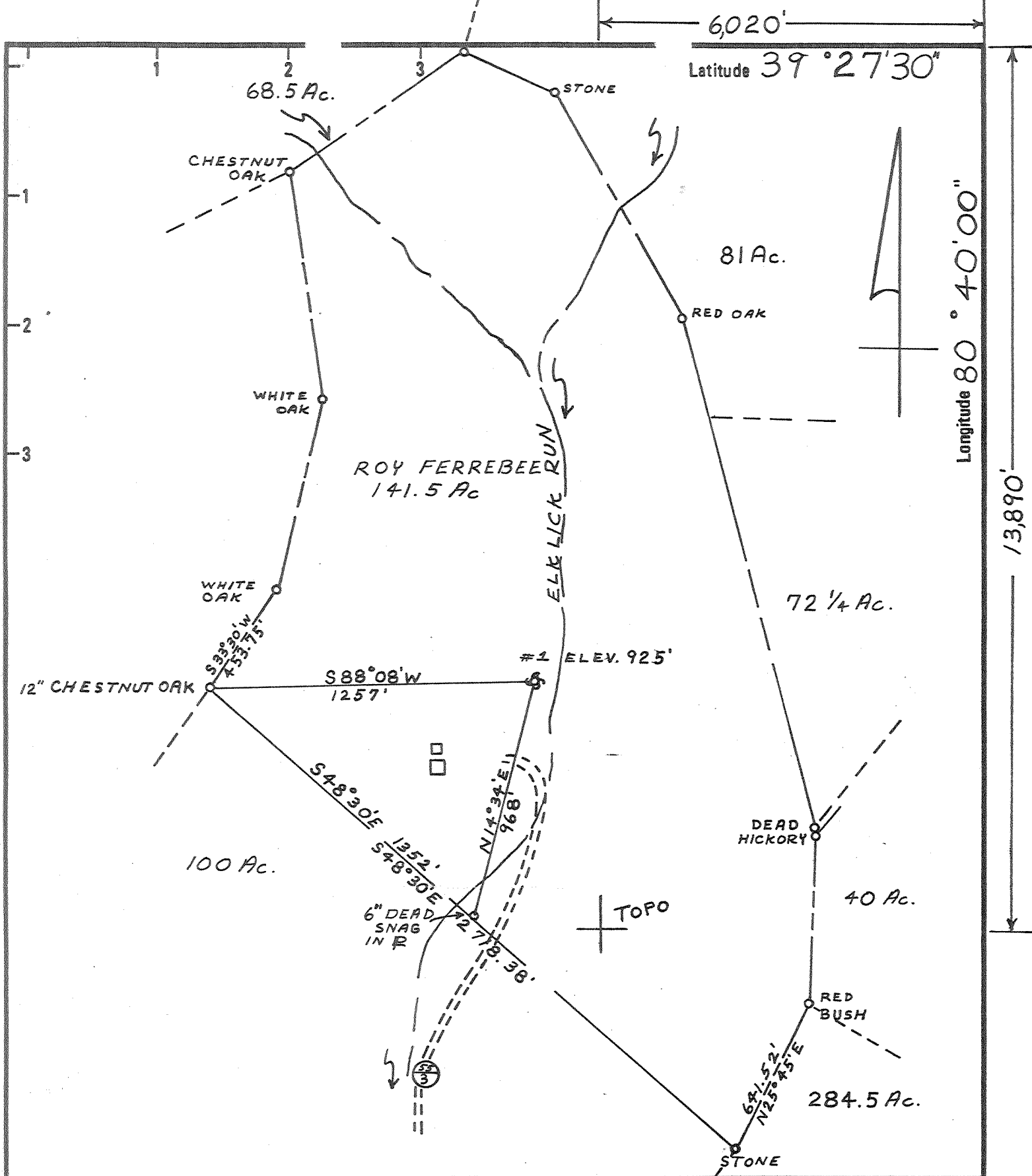
Company PETROLEUM DEVELOPMENT CORP.  
 Address PO BOX 26  
103 E. MAIN BRIDGEPORT W. VA.  
 Farm ROY FERREBEE  
 Tract 1 Acres 141.5 Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 925'  
 Quadrangle 15 CENTER POINT 7 1/2 NW  
 County DODDRIDGE District McCLELLAN  
 Engineer PAUL G. DEAN  
 Engineer's Registration No. 1856  
 File No. PDC 1 - P9.29 Drawing No. 1  
 Date 9/26/78 Scale 1" = 500'

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

**WELL LOCATION MAP**  
 FILE NO. DODD-2294

+ 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.

**47-017**



New Location

Drill Deeper

Abandonment

Minimum Error of Closure  $1' \text{ IN } 200'$   
 Source of Elevation B.M. 747' INT. (23) AND (3) U.S.G.S. TOPOGRAPHIC QUADRANGLE - 7 1/2 MIN.  
 "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." *Paul G. Dean*

Company PETROLEUM DEVELOPMENT CORP.

Address 103 E. MAIN BRIDGEPORT W. VA.

Farm ROY FERREBEE

Tract 1 Acres 141.5 Lease No. \_\_\_\_\_

Well (Farm) No. 1 Serial No. \_\_\_\_\_

Elevation (Spirit Level) 925'

Quadrangle CENTER POINT

County DODDRIDGE District McCLELLAN

Engineer PAUL G. DEAN

Engineer's Registration No. 1856

File No. PDC1-P9-29 Drawing No. 1

Date 9/26/78 Scale 1" = 500'

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS DIVISION

CHARLESTON

WELL LOCATION MAP

FILE NO. Dodd 229A

CPT NW 3 1/2

+ 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.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

JUN 13 1979

Oil and Gas Division

OIL & GAS DIVISION  
DEPT. OF MINES

WELL RECORD

Quadrangle Center Point

Permit No. DODD-2294

Rotary XX Oil XX  
Cable \_\_\_\_\_ Gas XX  
Recycling \_\_\_\_\_ Comb. XX  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Company Petroleum Development Corporation  
Address P.O. Box 26, Bridgeport, WV  
Farm Roy Ferrebee Acres 141  
Location (waters) Elk Lick Run  
Well No. One Elev. 925  
District McCellan County Doddridge  
The surface of tract is owned in fee by \_\_\_\_\_  
Roy Ferrebee  
Address Star Route, West Union, WV  
Mineral rights are owned by Same  
\_\_\_\_\_ Address \_\_\_\_\_  
Drilling Commenced 10/04/78  
Drilling Completed 10/10/78  
Initial open flow 25 m cu. ft. \_\_\_\_\_ bbls.  
Final production 30 m cu. ft. per day 4 bbls.  
Well open 48 hrs. before test 400 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. <del>XX</del> 11 3/4		51	surface
9 5/8			
8 5/8		2044	440 sks
7			
5 1/2			
4 1/2	5621	2909	180 sks
3			
2			
Lines Used			

Well treatment details:

Attach copy of cementing record.

4th & 5th Sand 460 bbl 20,000# 80/100 25,500# 20/40

400 + 30 MCF

Coal was encountered at 260, 735 Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 2"@25', 1"@35' Feet \_\_\_\_\_ Salt Water 1/2"@1760' Feet \_\_\_\_\_  
Producing Sand 5th and 5th Depth 2830

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	5		
Sand, Shale			5	30	Fresh 2"@25'	
Sand			30	86	Fresh 1"@35'	
Sand, Shale			86	260		
Coal			260	263		
Sand, Shale			263	375		
Sand			375	453		
Sand, Shale, R.R.			453	735		
Coal			735	739		
Sand, Shale			739	976		
Sand			976	1277		
Sand, Shale, R.R.			1277	2008		
Big Lime			2008	2080		
Big Injun			2080	2124		
Pocono			2124	2226		
Sand, Shale			2226	2370		
Weir Sand			2370	2433		
Sand, Shale			2433	2569		
Gantz Sand			2569	2600		
Sand, Shale			2600	2789		
4th & 5th Sand			2789	2833		
Sand, Shale			2833	2909 T.D.		Plugged back from 5621 to 2909

5621  
1700  
29210617

(over)

\* Indicates Electric Log tops in the remarks section.

JUN 26 1979



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

SEP 28 1978

Oil and Gas Division OIL & GAS DIVISION  
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE September 26, 1978  
Company Peteoleum Development Corporation  
Address P. O. Box 26 Bridgeport, WV 26330  
Farm Roy Ferrebee Acres 141  
Location (waters) Elk Lick Run  
Well No. One Elevation 925'  
District McCellan County Doddridge  
Quadrangle Center Point

Surface Owner Roy Ferrebee  
Address Star Route West Union, WV  
Mineral Owner Same  
Address \_\_\_\_\_  
Coal Owner Consolidation Coal Company  
Address Rts. 48 & 119 Morgantown, WV  
Coal Operator \_\_\_\_\_  
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 2-2-79.

INSPECTOR  
TO BE NOTIFIED Paul Garrett  
ADDRESS Clarksburg, West Virginia 26301  
PHONE 622-3871

Robert W. Sudd  
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 August 5th 1978 by Roy Ferrebee made to C. W. Mutschelknaus and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in \_\_\_\_\_ County, Book \_\_\_\_\_ Page \_\_\_\_\_ Not back from recording XX 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

Address  
of  
Well Operator

Very truly yours,  
PETROLEUM DEVELOPMENT CORPORATION  
(Sign Name) \_\_\_\_\_  
Well Operator  
P. O. Box 26  
\_\_\_\_\_  
Street  
Bridgeport  
\_\_\_\_\_  
City or Town  
West Virginia 26330  
\_\_\_\_\_  
State

\*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.

BLANKET BOND

DOD-2294 \_\_\_\_\_ PERMIT NUMBER

47-017

*Survey*

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

PROPOSED WORK ORDER TO XX DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:  
 NAME Unknown NAME Petroleum Development Corporation  
 ADDRESS \_\_\_\_\_ ADDRESS P. O. Box 26 Bridgeport, WV 26330  
 TELEPHONE \_\_\_\_\_ TELEPHONE 842-6256  
 ESTIMATED DEPTH OF COMPLETED WELL: 5500' ROTARY XX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Elk  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS XX 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 11 3/4	40'	40'	Surface
9 - 5/8			
8 - 5/8	1200'	1200'	Surface
7			
5 1/2			
4 1/2		5450'	
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 20' FEET 75' SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS 250' 450' 700'  
 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