



**NOTE: COAL NOT OPERATED**

Fracture	
Before 6/5/29	<input type="checkbox"/>
New Location	<input checked="" type="checkbox"/>
Drill Deeper	<input type="checkbox"/>
Redrill	<input type="checkbox"/>
Abandonment	<input type="checkbox"/>

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.

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.

Company **PATRICK PETROLEUM CORP**  
 Address **CHARLESTON, W.VA.**  
 Firm **UNION NATIONAL BANK ET AL**  
 Tract \_\_\_\_\_ Acres **41.8** Lease No. **WV-17-0000**  
 Well (Farm) No. **L** Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) **1284.92'**  
 Quadrangle **PHILIPPI NW**  
 County **BARBOUR** District **BLK**  
 Surveyor **Jarrel A. Cline**  
 Surveyors Registration No. **259**  
 File No. **3-178** Drawing No. \_\_\_\_\_  
 Date **MARCH 23, 1973** Scale **1"=300'**

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

**WELL LOCATION MAP**  
 FILE NO. **Bar-634**

+ 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

Oil and Gas Division  
WELL RECORD

29-13  
1-52  
①

Quadrangle Phillipi

Permit No. Bar-634

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

Company Patrick Petroleum Corporation  
Address Suite 901 Nelson Bldg.  
Farm U.N.B. of Clarksburg Acres \_\_\_\_\_  
Location (waters) Bird run of Elk Creek  
Well No. 1 Elev. 1285  
District Elk County Barbour  
The surface of tract is owned in fee by Don Hinkle

Address Clarksburg, W.Va  
Mineral rights are owned by Union National Bank  
Address Clarksburg, W.Va  
Drilling Commenced 3/28/73  
Drilling Completed 4/3/73  
Initial open flow 232,000 cu. ft. \_\_\_\_\_ bbls.  
Final production 311,000 cu. ft. per day \_\_\_\_\_ bbls.  
Well open 2 hrs. before test 1025 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. <del>12 10'</del> 11 3/4	76'	76'	225 sks
9 5/8			
8 5/8	1294'	1294'	325 sks
7			
5 1/2			
4 1/2	4556'	4556'	140 sks
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record.  
750 gal 15% Acid, 30,000 lb, 20/40 Sand, Treatment fluid 585 bbls.  
final flow 311,000 cu. ft.

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Benson Depth 4425 to 4433

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale & Sand			0	820		
Sand & Shale			820	1300		
Shale & Sand			1300 <sup>n</sup>	1516		
Lime			1516	1540		
Shale			1540	1560		
Big Lime			1558	1632		
Injun			1632	1738		
Shale			1738	1956		
Gantz			1956	2025		
Sand & Shale			2026	2394		
Fourth			2394	2440		
Shale			2440	2468		
Fifth			2468	2509		
Shale			2509	2524		
Bayard			2524 <sup>d</sup>	2540		
Shale			2540	4112		
Riley			4112	4128		
Shale			4128	4420		
Benson			4420	4474		
Shale			4474 <sup>d</sup>	---		
TD			---	4574		

RECEIVED  
JUL 29 1973  
OIL & GAS  
DEPT. OF MINES

(over)

\* Indicates Electric Log tops in the remarks section.



RECEIVED

MAR 26 1973

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE March 23, 1973

Surface Owner Don Hinkle  
Address Clarksburg, W. Va.  
Mineral Owner Union National Bank of  
Clarksburg, et al  
Address Clarksburg, W. Va.  
Coal Owner No coal operated  
Address \_\_\_\_\_  
Coal Operator No coal operated  
Address \_\_\_\_\_

Company PATRICK PETROLEUM CORPORATION  
Address Suite 901 Nelson Building  
Charleston, West Virginia 25301  
Farm UNION NATIONAL BANK, et al Acres 41.5  
Location (waters) Bird Run of Elk Creek  
Well No. One (1) Elevation 1284.92'  
District Elk County Barbour  
Quadrangle Philippi

INSPECTOR TO BE NOTIFIED

Mr. Paul Thomas  
Box 122 PH: 472-6418  
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 7/26/73.

[Signature]  
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 March 29, 1965 by Union National Bank of Clarksburg, et al made to Trustee HOPE NATURAL Gas Co. and recorded on the 10 day of May 1965 in (Har.) County, Book 904 Page 52

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, PATRICK PETROLEUM CORPORATION  
(Sign Name) [Signature]  
Well Operator

Address  
of  
Well Operator

Suite 901 Nelson Building  
Street  
Charleston, W. Va.  
City or Town

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

BAR-634 PERMIT NUMBER

**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 Burdette Drilling Company NAME Donald C. Supcoe  
 ADDRESS 7-1/2 Spring Street ADDRESS Charleston, W. Va.  
 ADDRESS Charleston, W. Va. ADDRESS Charleston, W. Va.  
 TELEPHONE \_\_\_\_\_ TELEPHONE 344-9864  
 ESTIMATED DEPTH OF COMPLETED WELL: 4500' ROTARY   X   CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Benson  
 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 5/8"	60'	60	Cmt. surface
9 - 5/8"			
8 - 5/8	1270'	1270	Cmt. Surface
7			
5 1/2			
4 1/2	To be determined by logs		
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS \_\_\_\_\_  
 IS COAL BEING MINED IN THE AREA? Not operated 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