





**BENCH MARK DESCRIPTION**  
 U.S.C. & G.S. U.E. - Point on East Side of Bird Run Road - W.Va. Sec. R1 579 on Top of Rock 2' above Road Level - White Paint. Elev: 1111'

**COAL NOT OPERATED**

- 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.  
 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.  
 Farm Caroline DU BOIS, et al  
 Tract 1 Acres 141.8 Lease No WV-11-0014  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1240.65'  
 Quadrangle PHILIPPI, W.VA. NW  
 County HARRISON District BLK  
 Surveyor Jewel A. Clevenger  
 Surveyor's Registration No. 259  
 File No. 3-166 Drawing No. \_\_\_\_\_  
 Date FEB. 3, 1973 Scale 1" = 600'

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

**WELL LOCATION MAP**  
 FILE NO. Har-663

+ 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.



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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS  
DEPT

Oil and Gas Division  
WELL RECORD

Quadrangle Phillipi

Permit No. Har-663

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

Company PATRICK PETROLEUM CORPORATION  
Address Suite 901 Nelson Building  
Farm Dubois Acres 142  
Location (waters) Bird Run of Elk Creek  
Well No. 1 Elev. 1240  
District Elk County Harrison  
The surface of tract is owned in fee by Dubois  
Caroline  
Address Dubois, Pennsylvania  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling Commenced 3-7-73  
Drilling Completed 3-12-73  
Initial open flow Neg. cu. ft. \_\_\_\_\_ bbls.  
Final production 270,000 cu. ft. per day 595 bbls.  
Well open M hrs. before test \_\_\_\_\_ RP.  
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
<del>20-16</del>			
Cond. 13-10"			
<del>9 1/2</del> 11 3/4	55-Sks	78'	55 sks.
8 5/8	to Surface 1284'		343 sks.
7			
5 1/2			
4 1/2		4564	140 sks
3			
2			
Liners Used			

Attach copy of cementing record.

W./750 gal. 15% Reg acid, 40,000 lb. 20/40 Sd. Treatment of Water 595 bbls

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet  
Producing Sand Benson Depth 4472 to 4482

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil			0	30		
Sand Stone			30	85		
Sd & Shale			85	150		Wet @ 48'
Sh & RR			150	600		
Sd & Shale			600	1200		Wet @ 990
Sh & RR			1200	1450		
Sand			1450	1475		
Sd & Shale			1475	1574		
Lime			1574	1695		
Sand			1695	1830		
Sd & Sh.			1830	1985		
Sand			1985	2200		
Sh & RR			2200	2475		
Sd & Sh			2475	4467		
<u>Benson</u>			4467	4475		Hole Wet W/Oil @ 273
Shale		TD	4475	4607		Gas Chk above Bens-0 FOF NEG. in 1"

(over)

\* Indicates Electric Log tops in the remarks section.



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 February 26, 1973

Surface Owner Caroline DuBois, et al  
Address Dubois, Pennsylvania  
Mineral Owner Same  
Address \_\_\_\_\_  
Coal Owner No coal  
Address \_\_\_\_\_  
Coal Operator No coal  
Address \_\_\_\_\_

Company PATRICK PETROLEUM CORPORATION  
Address Suite 901 Nelson Bldg.  
Charleston, W. Va. 25301  
Farm Dubois Acres 141.8  
Location (waters) Bird Run  
Well No. One (1) Elevation 1240.65'  
District Elk County Harrison  
Quadrangle Phillipi

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 7-3-73.

INSPECTOR TO BE NOTIFIED M. Wm. Blosser  
Box 1857 P.M. Fairmont  
Calfax 363-9105  
WVA. 26566

Robert H. Felt  
Deputy Director - Oil & Gas Division

GENTLEMEN: (PPC Lease # WV-17-0014)

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 November 29, 19 65 by Caroline DuBois, et al made to Consol. Gas Supply Corp. and recorded on the March day of 3<sup>rd</sup> 19 66 in Harrison County, Book 916 Page 763  
 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) Samuel R. Simpson  
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.

**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 Donald C. Supcoe  
 ADDRESS \_\_\_\_\_ ADDRESS Charleston, W. va.  
 TELEPHONE \_\_\_\_\_ TELEPHONE 344-9864  
 ESTIMATED DEPTH OF COMPLETED WELL: 4950 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 - 1 $\frac{1}{2}$ 5/8"	60'	Cemented to surface	
9 - 5/8			
8 - 5/8			
7			
<del>XXX</del> 8-5/8"	1270'	Cemented to surface	
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 No coal  
 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