



BENCHMARK DESCRIPTION
 U.S.C. & G.S. U.E. - Point on East Side of Bird Run Road - W. Va. Sec. 27, 97 1/2 on Top of Rock - 2' Above Road Level - White Paint. Elev: 1111'

COAL NOT OPERATED

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

Company PATRICK PETROLEUM CORP.
 Address CHARLESTON, W. VA.
 Farm JESSE N. SPENCER, ET AL.
 Tract 1 Acre 207.943 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1209.17
 Quadrangle PHILIPPI NW
 County HARRISON District SHANNON
 Surveyor JAMES A. CLENDENIN
 Surveyor's Registration No. 389
 File No. SK-4-PS-39 Drawing No. _____
 Date 6-30-1973 Scale 1" = 600'

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

WELL LOCATION MAP
 FILE NO. Par. 720

+ 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. 47-033



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Rotary Oil
Cable _____ Gas Non
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Phillipi

Permit No. Har-720

Company Patrick Petroleum Corporation
Address 901 Nelson Bldg.
Farm Jessie H. Spencer Acres 207.93
Location (waters) Bird Run
Well No. 1 Elev. Est. K. B
District Elk County Harrison
The surface of tract is owned in fee by _____
Same
Address Rt. #1 Mt. Clare, W. Va
Mineral rights are owned by Same
Address _____
Drilling Commenced 9-20-73
Drilling Completed 9-26-73
Initial open flow 220 M cu. ft. _____ bbls.
Final production 2,610 M cu. ft. per day _____ bbls.
Well open 6 hrs. before test 1825 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 11 3/4"	130'	130'	9-20 100 sks
9 5/8			
8 5/8	1310'	1310'	9-23 300 sks
7			
5 1/2			
4 1/2		4542	9-27 150 sks
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Fraced Benson Sand with 750 gal. 15% acid and 40,000 # 20/40 Sand.
Break down pressure 2000#. Instant shut in 1700#. Treating fluid used 720 bbls.

perf. 4474-4482

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Benson Depth 4469'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sh. & Sd			0	155		
Sd.			155	190		
Sh. & Sd.			190	565		
Sd. & Sh.			565	925		
Sh.			925	1015		
Sd & Sh.			1015	1310		
Sh.			1310	1504		
Big Lime			1504	1616		
Injun			1616	1742		
Sh. & Sd.			1742	1974		
Gantz 50'			1974	2054		
Sd. & Sh.			2054	2234		
Gordon			2234	2272		
Sd. & Sh.			2272	2420		
Fourth			2420	2453		
Sh. & Sd.			2453	2496		
Fifth			2496	2540		
Sd. & Sh.			2540	2620		
Shale			2620	4469		
Benson			4469	4523	220 MCF	
Shale			4523	----		
Total Depth			----	4576		

(over)

* Indicates Electric Log tops in the remarks section.

FEB 28 1974



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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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 July 6, 1973

Surface Owner Jesse H. Spencer
Address Rt. #1 - Mt. Clare, W. Va.
Mineral Owner 1/2 - Jesse Spencer
Address 1/2 - Ralph B. Lantz
VanBuren, Arkansas
Coal Owner Same
Address _____
Coal Operator No coal operated
Address _____

Company PATRICK PETROLEUM CORPORATION
Address Suite 901 Nelson Building
Charleston, West Virginia
Farm JESSE N. SPENCER, ET AL Acres 207.93
Location (waters) Bird Run of Elk Creek
Well No. One (1) Elevation 1259.17
District Simpson Elk County Harrison
Quadrangle Philippi

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 11-24-73.

Robert S. Hill
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED

Mr. Wm. Blosser
Box 1857 PH: Fairmont
Calfax 363-9105
W.Va. 26566

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 Sept. 17, 1962 by Ralph B. Lantz & wife made to Hope Natural Gas Co. and recorded on the 17 day of Oct. 1962 in Harrison County, Book 88 Page 170

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) Donald C. Supcruid
Well Operator

Address
of
Well Operator

Suite 901 Nelson Building
Street
Charleston,
City or Town
West Virginia
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

HAR- 720 PERMIT NUMBER

47-033

