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JUL 30 1973

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

DEPT.

Oil and Gas Division

WELL RECORD

Rotary Oil
Cable Gas c. hole
Recycling Comb.
Water Flood Storage
Disposal (Kind)

Quadrangle Phillipi

Permit No. Har-673

Company Patrick Petroleum Corporation
Address Suite 901 Nelson Bldg.
Farm Donahue Acres 91.47
Location (waters) Birds run of Elk Creek
Well No. 1 Elev. 1146.19
District Elk County Harrison
The surface of tract is owned in fee by Lucille Donahue
Address Clarksburg, W.Va
Mineral rights are owned by Same
Address Same
Drilling Commenced 3-15-73
Drilling Completed 3-20-73
Initial open flow 60,000 cu. ft. bbls.
Final production 762,000 cu. ft. per day bbls.
Well open 7 hrs. before test 1150 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 10 1/2 11 3/4	75'	75'	25 Sks
9 5/8			
8 5/8	1218'	1218'	300 Sks
7			
5 1/2			
4 1/2		4471'	140 Sks
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record.
45,000 lb. 20/40 Sand; 750 gal 15% Reg Acid. 754 bbls of treating fluid

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet
Producing Sand Benson Depth 4338 to 4347 *ppp P. Leonard*

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale & Sand			0	845		
Sand & Shale			845	1415		
Lime			1415	1444		
Shale			1444	1460		
Big Lime			1460	1535		
Injun			1535	1630		
Shale			1630	1860		
Gantz			1860	1906		
Sand & Shale			1906	2295		
Fourth			2295	2335		
Shale & Sand			2335	2412		
Fifth Sand			2390	2415		
Shale			2415	4045		Gas Chk. 3894 12/10 W 1/4" or
Riley			4045	4070		
Shale			4070	4335		" " 4230 6/10 W 1/4" or
<u>Benson</u>			4335	4355		
Shale			4355	4487		
	TD		4492			Final Gauge 54/10 W1" OR. 3/20/73 60 MCF

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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MAR 14 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 March 13, 1973

Surface Owner Lucille Donahue, et al
Address Clarksburg, W. Va.
Mineral Owner Same
Address _____
Coal Owner No coal
Address _____
Coal Operator No coal
Address _____

Company PATRICK PETROLEUM CORPORATION
Address Suite 901 Nelson Building
Charleston, W. va. 25301
Farm Lucille Donahue, et al Acres 10391.47
Location (waters) Birds Run & Elk Creek
Well No. One (1) Elevation 1146.19
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 7-14-73

INSPECTOR TO BE NOTIFIED Mr. Wm
Beason
Box 1857 PH: Farmout
Coalfield 363-9105
W. Va. 24566

Robert H. Todd
Deputy Director - Oil & Gas Division

GENTLEMEN: (2 Farmout)

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 April 1, 1964 by Lucille Donahue, et al made to Consolidated Gas Supply Corp. and recorded on the 11th day of June 1964 in Harrison County, Book 890 Page 101

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. Superior / CS
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

HAR-673 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 Charleston, W. va. 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 - 10 5/8"	60'		Cement to surface
9 - 5/8			
8 - 5/8	1270'		Cement to surface
7			
5 1/2			
4 1/2	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? _____ 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