



- 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 MARGARET BRANNON
 Tract 3 Acres 340.70 Lease No. WV-17-0002
 Well (Farm) No. 4 Serial No. _____
 Elevation (Spirit Level) 1063.0'
 Quadrangle PHILIPPI, W. VA. NW
 County HARRISON District SIMPSON
 Surveyor Jamil A. Alsharif
 Surveyor Registration No. _____
 File No. 4-1 Drawing No. _____
 Date APR. 22, 1973 Scale 1" = 300'

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

WELL LOCATION MAP
 FILE NO. WV-688

+ 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 2

Quadrangle Philippi HAR-688
Permit No. Har-684 688 (CORRECTED PERMIT NUMBER)

Rotary Oil
Cable Gas E. No.
Recycling Comb.
Water Flood Storage
Disposal (Kind)

Company Patrick Petroleum Corporation
Address 901 Nelson Bldg. Charleston, W. Va
Farm Margaret Brannon Acres _____
Location (waters) Brushy Fork Road
Well No. 4 Elev. 1063'
District Simpson County Harrison
The surface of tract is owned in fee by Same
Address Same
Mineral rights are owned by Same
Address _____
Drilling Commenced 5/1/73
Drilling Completed 5/6/73
Initial open flow 65,000 cu. ft. _____ bbls.
Final production 1,841,000 cu. ft. per day 655 bbls.
Well open 5 hrs. before test 1825 #RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 1220' 11 3/4' 92'			100 Sks
9 5/8			
8 5/8	1806'		400 Sks
7			
5 1/2			
4 1/2	4300'		480 Sks
3			
2			
Liners Used			

Well treatment details:
w/750 gal 15/ reg acid 40,000#sd., Treatment water 655 bbls. Tested
OFO 1,841,000 cu ft.

perf. 4201-4209

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet
Producing Sand Benson Depth 4200 to 4235 *total Benson, not prod.*

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sh & sd			0	165		
Shale			165	220		
Sd & Shale			220	990		
Shale			990	1152		
Sd & Shale			1152	1258		
Lime			1258	1277		
A Cave			1277	1300		
B. Lime			1300	1364		
Injun			1364	1488		
Shale & Sand			1488	1730		
Gantz			1730	1756		
Shale			1756	1762		
Sand			1762	1806		
Sd & Shale			1806	1850		
Shale			1850	1896		
Sd & Shale			1896	2168		
Fourth			2168	2200		
Shale			2200	2240		
Fifth			2240	2286		
Shale			2286	2303		
Sand			2303	2316		
Shale			2316	3886		
Riley			3886	3916		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale <u>Benson</u> Shale			3916 4200 4235	4200 <u>4235</u> 4296 <u>(410)</u>		perf. 4201-4209

Date September 25, 1973

APPROVED Donald C. Supcoe Owner
 By Vice President
 (Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
APR 26 1973

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE April 26, 1973

Surface Owner Margaret Brannon
Address Clarksburg, W. Va.
Mineral Owner Same
Address _____
Coal Owner Same
Address _____
Coal Operator Coal Not Operated
Address _____

Company PATRICK PETROLEUM CORPORATION
Address Suite 901 Nelson Building
Charleston, W. Va. 25301
Farm MARGARET BRANNON Acres 340.78
Location (waters) Brushy Fork
Well No. Four (4) Elevation 1063.0'
District Simpson County Harrison
Quadrangle Philippi

Inspector to be Notified:
Bill Blosser

Bx. 1857
Colfax, West Virginia
Tel: 363-9105 - Fairmont

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 8/26/73.

Robert L. Love
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 December 1, 1925 by Margaret Coplin Brannon, widow made to Grasselli Chemical Co. and recorded on the 24th day of Dec., 1925 in Harrison County, Book 364 Page 98
X 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. 25301
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-688 PERMIT NUMBER

47-033-688

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.
Charleston, West Virginia TELEPHONE 344-9864
 TELEPHONE _____
 ESTIMATED DEPTH OF COMPLETED WELL: 4500' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 TYPE OF WELL: OIL _____ GAS _____ 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 - 20 5/8"	60'	60'	Cmt. to surface
9 - 5/8			
8 - 5/8	1400'	1400'	Cmt. to 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