



NOTE: 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 DORA M. LAUNTZ
 Tract 1 Acres 94 3/4 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1146.24'
 Quadrangle PHILIPPI, W. VA. NW
 County HARRISON District ELK
 Surveyor Jarrel A. Clemen
 Surveyor's Registration No. 259
 File No. 3-157 Drawing No. _____
 Date JAN. 23, 1973 Scale 1" = 300'

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

WELL LOCATION MAP
 FILE NO. Has-653

+ 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

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

Quadrangle Philippi

Permit No. HAR-653

| | | | | |
|--|------------------------------|------------------|--------------|-------------------------------|
| Company <u>PATRICK PETROLEUM CORPORATION</u> <u>Suite 901 Nelson Building</u> | Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
| Address <u>Charleston, West Virginia 25301</u> | | | | <u>16" - 8 sks.</u> |
| Farm <u>Dora M. Launtz</u> Acres <u>94-3/4</u> | | | | |
| Location (waters) <u>Elk Creek</u> | | | | |
| Well No. <u>One (1)</u> Elev. <u>1146.24</u> | Size <u>20-16</u> <u>16"</u> | <u>18'</u> | <u>18</u> | <u>11-3/4" - 200 sks.</u> |
| District <u>Elk</u> County <u>Harrison</u> | Cond. <u>13-10"</u> | | | |
| The surface of tract is owned in fee by <u>W. D. Ward</u> | <u>11-3/4"</u> | <u>311'</u> | <u>311'</u> | <u>8-5/8" - 365 Sk.</u> |
| Address <u>Rt. #1, Mt. Clare, W. Va.</u> | <u>9 5/8</u> | | | |
| Mineral rights are owned by <u>Same</u> | <u>8 5/8</u> | <u>1398'</u> | <u>1398'</u> | |
| Address _____ | <u>7</u> | | | |
| Drilling Commenced <u>2-22-73</u> | <u>5 1/2</u> | | | |
| Drilling Completed <u>2-28-73</u> | <u>4 1/2</u> | <u>4478'</u> | <u>4478'</u> | <u>- 150 Sk.</u> |
| Initial open flow <u>90,000</u> cu. ft. _____ bbls. | <u>3</u> | | | |
| Final production <u>1,400,000</u> cu. ft. per day _____ bbls. | <u>2</u> | | | |
| Well open <u>8</u> hrs. before test _____ RP. | Liners Used | | | |

Well treatment details: Attach copy of cementing record.
40,000# Frac sand 20-40 - 750 Gal. 15% Acid, 585 bbls. Treating Fluid
Fraced by Halliburton.

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

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|------------------|-------|--------------|----------|-------------|-------------------|-----------|
| Top Soil | | | 0 | 30 | | |
| Shale & Red Rock | | | 30 | 725 | | |
| Sand | | | 725 | 1050 | | |
| Shale & Sand | | | 1050 | 1442 | | |
| Shale & Red Rock | | | 1442 | 1475 | | |
| Lime | | | 1475 | 1550 | | |
| Sand | | | 1550 | 1640 | | |
| Shale | | | 1640 | 1895 | | |
| Gantz | | | 1895 | 1950 | | |
| Sandy Shale | | | 1950 | 1975 | | |
| Sand | | | 1975 | 2010 | | |
| Sand & Shale | | | 2010 | 2085 | | |
| Red Rock | | | 2085 | 2175 | | |
| Sand | | | 2175 | 2230 | | |
| Red Rock | | | 2230 | 2270 | | |
| Shale | | | 2270 | 4365 | | |
| <u>Benson</u> | | | 4365 | 4410 | | |
| Shale | | | 4410 | 4486 | | |

gas - 4367-70
perf:
4367-4404

TD
March 20, 1973
PATRICK PETROLEUM CORPORATION
By Donald C. Superior

(over)

* Indicates Electric Log tops in the remarks section.

APR 2 1973



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Oil & Gas
Dept.

Quadrangle Phillipi

Permit No. Har 653

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

Company PATRICK PETROLEUM CORPORATION
Address Suite 901 Nelson Building
Farm Launtz Acres 94 3/4
Location (waters) Elk Creek
Well No. 1 Elev. 1146.24
District Elk County Harrison
The surface of tract is owned in fee by Mr. W. D. Ward
Address Rt. #1, Mt. Clare, W.Va
Mineral rights are owned by Same
Address Same
Drilling Commenced 2-22-73
Drilling Completed 2-28-73
Initial open flow 90,000 cu. ft. _____ bbls.
Final production 1,400,000 cu. ft. per day 585 bbls.
Well open _____ hrs. before test _____ RP.

| Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
|----------------------|------------------|--------------|-------------------------------|
| Size <u>20 1/2</u> | | | |
| Cond. <u>12 1/2"</u> | <u>18-70</u> | <u>18-70</u> | <u>8 " Sks.</u> |
| <u>9 5/8 11 3/4</u> | <u>311'</u> | <u>311'</u> | <u>150 Sks.</u> |
| <u>8 5/8</u> | <u>1398</u> | <u>1398</u> | <u>365 Sks</u> |
| <u>7</u> | | | |
| <u>5 1/2</u> | | | |
| <u>4 1/2</u> | <u>4478</u> | <u>4478</u> | <u>150 Sks.</u> |
| <u>3</u> | | | |
| <u>2</u> | | | |
| Liners Used | | | |

Well treatment details: 40,000 lb. of 20140 sand 750 gal of 15% acid 585 bbls of treating fluid

Attach copy of cementing record.

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

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|---------------|-------|--------------|----------|-------------|-------------------|--------------------|
| Top Soil | | | 0n | 30 | | Set-1 JT. 16" |
| Sh & RR | | | 30 | 725 | | Set-300' 11" |
| Sand | | | 725 | 1050 | | |
| Sh & SD | | | 1050 | 1442 | | Set- 8 5/8 |
| Sh & RR | | | 1442 | 1475 | | |
| Lime | | | 1460 | 1550 | | |
| Sand | | | 1550 | 1640 | | |
| Sh | | | 1640 | 1895 | | |
| Gantz | | | 1895 | 1950 | | |
| Sandy Sh. | | | 1950 | 1975 | | |
| Sand | | | 1975 | 2010 | | 5725 3/4° |
| Sand & Sh. | | | 2010 | 2085 | | 3900 10 |
| Red Rock | | | 2085 | 2175 | | 4300 5 |
| Sand | | | 2175 | 2230 | | |
| Red Rock | | | 2230 | 2270 | | |
| Shale | | | 2270 | 4365 | | Gas Chk. 4360 Neg. |
| <u>Benson</u> | | | 4365 | 4410 | | |
| Shale T.D. | | | 4410 | 4486 | | FOF 18/10 W 1" |

(over)

* Indicates Electric Log tops in the remarks section.

AUG 9 1973



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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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 January 24, 1973

Surface Owner Mr. W. D. Ward
Address Route #1
Mt. Clare, W. Va.
Mineral Owner SAME
Address _____
Coal Owner No Coal
Address _____
Coal Operator No Coal
Address _____

Company PATRICK PETROLEUM CORPORATION
901 Nelson Building
Address Charleston, West Virginia 25301
Farm DORA M. LAUNTZ Acres 94-3/4
Location (waters) Elk Creek
Well No. One (1) Elevation 1146.24
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 5-26-73.

Inspector to be notified:

Mr. Wm. Blosser
Box 1857 - Calfax, W. Va. 26546
Tel: Fairmont - 363-9105

Robert L. Jones
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 August 29, 1965 by Dora M. Launtz PPC (Farmout) made to Consolidated Gas Supply Co. and recorded on the 26th day of August 19 65 in Harrison County, Book 911 Page 177

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) Ronald C. Supowit
Well Operator

Address
of
Well Operator

Suite 901 Nelson Building

Street

Charleston, West Virginia

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.

HAR-653

PERMIT NUMBER

BLANKET BOND

[Handwritten signature]

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 BM&S Drilling Company NAME Donald C. Supcoe
 ADDRESS Canton, Ohio ADDRESS 901 Nelson Building
 TELEPHONE 216 269-9701 TELEPHONE 344-9864
 ESTIMATED DEPTH OF COMPLETED WELL: 4800' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: _____
 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 16" | 1 Joint | 1 Joint | 50 cu. ft. |
| 13 - 10 11-3/4" | 400' | 400' | 160 cu. ft. |
| 9 - 5/8 | | | |
| 8 - 5/8 | 1900' | 1900 | 100 cu. ft. |
| 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 _____
 IS COAL BEING MINED IN THE AREA? No coal 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