



0.035  
2.125  
7 1/2  
39 24 55  
81 00 25

LONGITUDE 81° 00'

Fee ownership is vested in Don and Helen Wagner, Bens Run, W.Va.

Minimum Error of Closure Lin 200'

Source of Elevation U.S.G.S.B.M. at Bridge - 717'

- Fracture.....
- New Location.....
- Drill Deeper.....
- 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 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: W. S. S. J.  
Squares: N S E W

Map No.

Company PETHTEL OIL & GAS CO.  
 Address New Matamoras, Ohio  
 Farm Don & Helen Wagner  
 Tract \_\_\_\_\_ Acres 140 Lease No. \_\_\_\_\_  
 Well (Farm) No. One Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 917' EC  
 Quadrangle Bens Run 7 1/2' St Marys 15  
 County Tyler District Meade  
 Engineer W. S. S. J.  
 Engineer's Registration No. \_\_\_\_\_  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date g/c Scale 1"=1000'

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

WELL LOCATION MAP  
FILE NO. TYL-489

+ Denotes location of well on United States Topographic Maps, scale 1 to 25,000, latitude and longitude lines being represented by border lines as shown.

APR 21 1978

- Denotes one inch spaces on border line of original tracing.  
**47-095**



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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

**Oil and Gas Division**

**WELL RECORD 30**

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

Quadrangle Bens Run-7½

Permit No. Tyl-489  
47-095

Company Pethel Drilling  
Address Rt. 1, Newport, Ohio 45768  
Farm Don & Helen Wagner Acres 140  
Location (waters) Sugar Creek  
Well No. 1 Elev. 917  
District Meade County Tyler  
The surface of tract is owned in fee by Don & Helen Wagner  
Address Bens Run, West Virginia  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling Commenced April 22, 1978  
Drilling Completed June 15, 1978  
Initial open flow 130 mcf cu. ft. ½ bbls.  
Final production 1.5 mm cu. ft. per day 50 bbls.  
Well open 3 hrs. before test 1050 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size <u>20-16</u>			
Cond. <u>XX-10"</u>	<u>205'</u>	<u>205'</u>	<u>10"-65 sacks to surface</u>
<u>9 5/8</u>			
<u>8 5/8</u>	<u>1003.3'</u>	<u>Pulled</u>	<u>4½"-140 sacks 2835'-1700'</u>
<u>7</u>			
<u>5 1/2</u>			
<u>4 1/2</u>	<u>2835'</u>	<u>2835'</u>	
<u>3</u>			
<u>2</u>			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Water & sand frack - 1400 barrel - 500,000lb. 20/40 sand  
25 gal - 15N, 25 gal. - clay stay, 25 gal adocide, 350 lb. - WAC10,  
600 lb. - WG12, 400 gal. 15% acid

Coal was encountered at 0 Feet \_\_\_\_\_ Inches  
Fresh water 0 Feet \_\_\_\_\_ Salt Water 0 Feet \_\_\_\_\_  
Producing Sand Gordon Depth 2786' - 2800'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale (broken)	Red & Gray	S	0	315		
Sand	Gray	H	315	372		
Shale (broken)	Red & Gray	S	372	1003		
Lime	Gray	H	1003	1040		
Shale	Gray	S	1040	1095		
Sand	White	H	1095	1122		
Shale	Gray	S	1122	1164		
Sand	White	H	1164	1254		
Shale	Gray	S	1254	1277		
Sand	White	H	1277	1290		
Shale	Gray	S	1290	1462		
Sand	Gray	H	1462	1480		

(over)

\* Indicates Electric Log tops in the remarks section.

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Formation	Color	Hard or Soft	Top Feet $\geq 0$	Bottom Feet	Oil, Gas or Water	* Remarks
Shale	Gray	S	1480	1592		
Sand	Gray	H	1592	1620		
Shale	Gray	S	1620	1683		
Sand	Gray	H	1683	1725		
Sand	Brown	H	1725	1739		
Shale	Gray	S	1739	1766		
Sand	White	H	1766	1774		
Lime	Brown	H	1774	1815		
Sand	White	H	1815	1846		Show gas 1830' - 1842'
Shale	Gray	S	1846	1854		
Sand	Gray	H	1854	1888		
Shale	Gray	S	1888	1894		
Sand	Gray	H	1894	1922		Show gas 1902' - 1912'
Sand & Shale	Gray	H	1922	2010		
Shale	Gray	S	2010	2250		
Sand & Shale	Gray	S	2250	2300		
Shale	Gray	S	2300	2365		
Sand	Gray	S	2365	2372		Show oil & gas (Beria)
Shale	Brown & Gray	S	2372	2786		
Sand	Gray	H	2786	2800		Show oil & gas (Gordon)
Shale	Brown & Gray	S	2800	2947		T.D.

1774  
 917  
 ---  
 857

BL

Date August 11 1978

APPROVED Pethtel Drilling Owner  
 Div. Pethtel Oil & Gas Co.  
 By Frank E. Pethtel  
 (Title)



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 April 10, 1978

Surface Owner <u>Donald J. &amp; Helen M. Wagner</u>	Company <u>Pethtel Oil &amp; Gas Co.</u>
Address <u>Bons Run, West Virginia</u>	Address <u>Rt. 3, New Matamoras, Ohio 45767</u>
Mineral Owner <u>Same</u>	Farm <u>D.J. &amp; H.M. Wagner</u> Acres <u>139</u>
Address <u>Same</u>	Location (waters) <u>Sugar Creek</u>
Coal Owner <u>Same</u>	Well No. <u>1 (one)</u> Elevation <u>917'</u>
Address <u>N/A</u>	District <u>Meade</u> County <u>Tyler</u>
Coal Operator <u>N/A</u>	Quadrangle <u>Bons Run</u>
Address _____	

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 8-12-78.

INSPECTOR  
TO BE NOTIFIED Phillip Tracy

ADDRESS Middlebourne, W.Va.

PHONE 1-304-758-4573

*Robert Wood*  
Deputy Director - Oil & Gas Division

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 March 21 19 78 by Donald J. & Helen M. Wagner made to Pethtel Oil & Gas Co. and recorded on the 22nd day of March 19 78 in Tyler County, Book 215 Page 19

XX 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.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Address of Well Operator

Very truly yours, Pethtel Oil & Gas Co.  
Frank E. Pethtel  
(Sign Name) *Frank E. Pethtel*  
Route 3  
Street  
New Matamoras  
City or Town  
Ohio 45767  
State

BLANKET BOND

\*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.

TYL-489 PERMIT NUMBER

47-095

*January*

THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO XX DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME Pethtel Oil & Gas Co. NAME Burl W. Smith  
 ADDRESS Rt. 3, New Matamoras, Ohio 45767 ADDRESS Rt. 39, St. Marys, W.Va.  
 TELEPHONE 1-614-865-3803 TELEPHONE 1-304-684-7259  
 ESTIMATED DEPTH OF COMPLETED WELL: 2800' ROTARY \_\_\_\_\_ CABLE TOOLS XX  
 PROPOSED GEOLOGICAL FORMATION: Gordon  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB. XX 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			
<u>IX</u> - 10	<u>200'</u>	<u>200'</u>	<u>65 sacks</u>
9 - 5/8			
8 - 5/8	<u>1000'</u>		
7	<u>1600'</u>		
5 1/2			
4 1/2	<u>2800'</u>	<u>2800'</u>	<u>120 sacks</u>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 125 FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS None  
 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