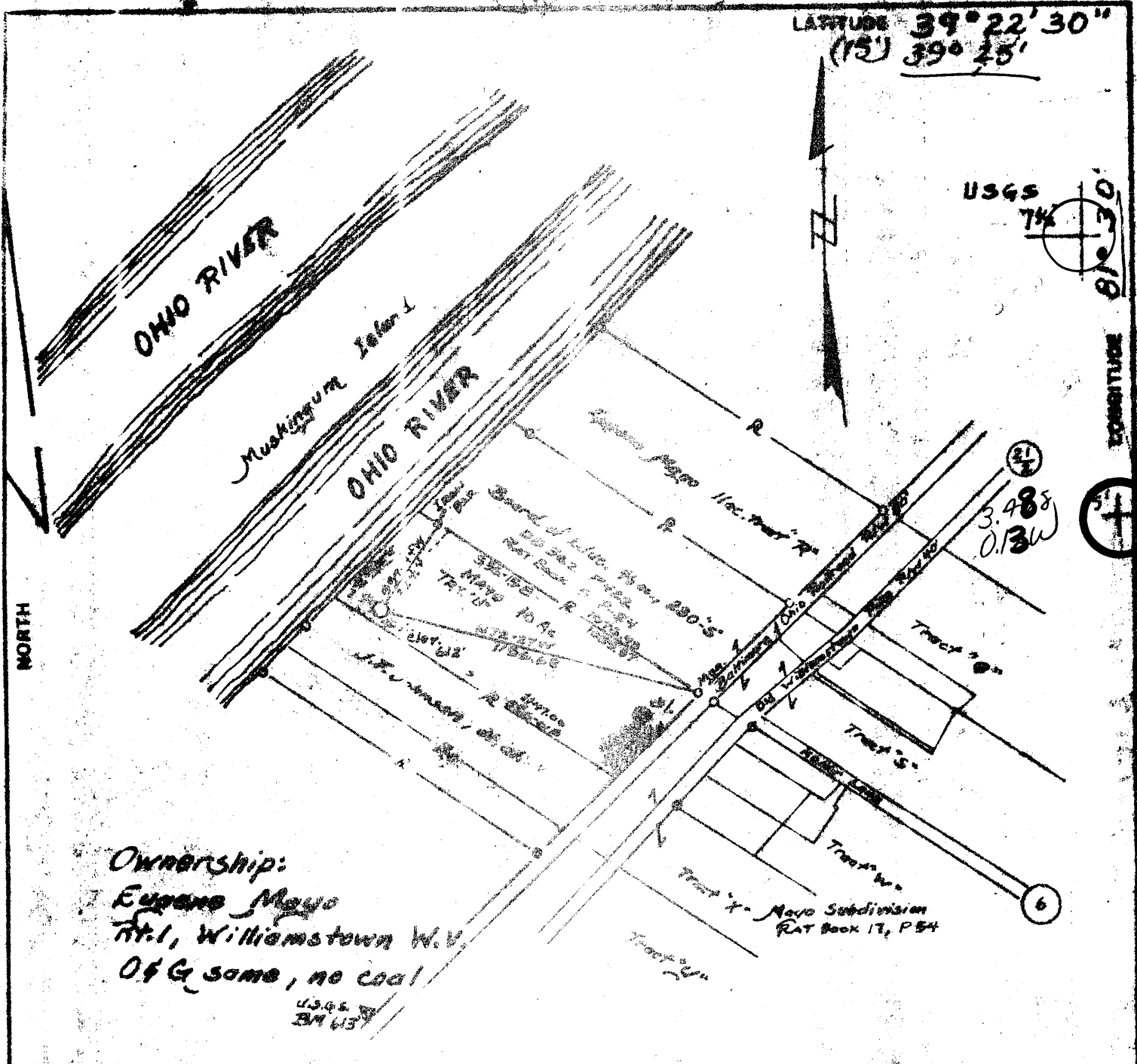


48 5-20-72

LATITUDE 39° 22' 30"  
(15) 39° 25'



**Ownership:**  
 Eugene Mayo  
 Rt. 1, Williamstown W.V.  
 Of G. some, no coal  
 USGS 7 1/2  
 61030

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE: 1" = 500'  
 MINIMUM DEGREE OF ACCURACY: 1" = 200'  
 PROVEN SOURCE OF ELEVATION: U.S.G.S. B.M. 6708 637

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 SIGNED: Arnold R. Price III Surveyed by: John C. Simpson  
 R.P.E. L.S. E 667

PLAT IS CORRECT HERE

(M) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6  
 1078



DATE: May 21, 1980  
 OPERATOR'S WELL NO. \_\_\_\_\_  
 API WELL NO. 47-107-1027  
 STATE: \_\_\_\_\_ COUNTY: \_\_\_\_\_ PERMIT: \_\_\_\_\_

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 610' WATER SHED: Ohio River Parkeburg 7.5 Parkeburg  
 DISTRICT: Williams COUNTY: Wood  
 QUADRANGLE: Parkeburg 7.5  
 SURFACE OWNER: Eugene Mayo ACREAGE: 10  
 OIL & GAS ROYALTY OWNER: same LEASE ACREAGE: 10

LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION: Gasline ESTIMATED DEPTH: \_\_\_\_\_  
 WELL OPERATOR: Embrey Co. P. DESIGNATED AGENT: \_\_\_\_\_  
 ADDRESS: PO Box 1015 ADDRESS: \_\_\_\_\_  
Parkeburg, W.V. 26101



DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

22 SHOTS

Berea { 1869'-1871' 4 SHOTS  
 1879'-1881' 4 SHOTS  
 Upper { 2052'-2054' 2 SHOTS  
 2059'-2061' 2 SHOTS  
 Devonian { 2079'-2081' 2 SHOTS  
 sh. { 2190'-2194' 4 SHOTS  
 2196'-2200' 4 SHOTS

Hydraulically Fractured with 30,000 lbs. of 20/40 sand.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand and Shale			0	800	
Sand			800	812	
Shale			812	822	
Sand			822	830	
Shale			830	850	
Sand			850	936	
Shale			936	968	
Sand			968	988	
Shale			988	1022	
Sand			1022	1090	
Shale			1090	1130	
Sand			1130	1138	
Shale			1138	1196	
Sand			1196	1256	
Shale			1256	1270	
Sand			1270	1338	
Shale			1338	1368	
Big Injun			1368	1488	
Gray Shale			1488	1816	
Coffee Shale			1816	1864	
<u>Berea</u>			1864	1870	
Upper Devonian Shale			1870	3300	Gas
					to Huron @TD

(Attach separate sheets as necessary)

Energex Corporation  
 Well Operator  
 By: Robert E. Kirkbride, Its President  
 Date: May 21, 1984

Note: Regulation 2.02(i) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE Jan 21, 1981

Surface Owner EUGENE MAYO  
Address Rt. #1, Williamstown, WV 26187  
Mineral Owner Same  
Address \_\_\_\_\_  
Coal Owner Same  
Address \_\_\_\_\_  
Coal Operator None  
Address \_\_\_\_\_

Company ENERGEX CORPORATION  
Address 225 Fourth St., Parkersburg, WV  
Farm MAYO A Acres 10  
Location (waters) Ohio River  
Well No. 2 Elevation 612  
District Williams County Wood  
Quadrangle Valley Mills Parkersburg

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 9-22-81.

INSPECTOR  
TO BE NOTIFIED Paul Goodnight  
ADDRESS Smithville, WV  
PHONE 477-3660

Paul Goodnight  
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 April 20 1976 by Eugene Mayo Etux made to Associated Minerals, Inc. and recorded on the 22nd day of April 1976 in Wood County, Book 667 Page 620  
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, ENERGEX CORPORATION  
(Sign Name) J. Allen  
Well Operator  
225 Fourth Street  
Street  
PARKERSBURG  
City or Town  
W. VA. 26101  
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.

47-107-1027-REN. PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by \_\_\_\_\_

**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 PAUL DRILLING CORPORATION NAME B. H. Thomas  
 ADDRESS 225 Fourth St., Parkersburg, WV ADDRESS 225 4th St., Parkersburg, W  
 TELEPHONE 424-7300 TELEPHONE 422-5418  
 ESTIMATED DEPTH OF COMPLETED WELL: 2500' ROTARY XX CABLE TOOLS \_\_\_\_\_  
 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	LIFT IN WELL	CEMENT LIFT UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	250'	250'	Circ. To Surf
7			
5 1/2			
4 1/2		2500'	100 Sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ 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 placed on our mine maps this proposed well location.

We the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location provided the 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



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

MAY 15 1980

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 May 14, 1980

Surface Owner EUGENE MAYO

Company ENERGEX CORPORATION

Address Rt. #1, Williamstown, WV 26187

Address 225 Fourth St., Parkersburg, WV

Mineral Owner Same

Farm MAYO A Acres 10

Address \_\_\_\_\_

Location (waters) Ohio River

Coal Owner Same

Well No. 2 Elevation 612

Address \_\_\_\_\_

District Williams County Wood

Coal Operator None

Quadrangle Valley Mills Parkersburg

Address \_\_\_\_\_

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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 1-22-81.

INSPECTOR  
TO BE NOTIFIED Paul Goodnight

ADDRESS Smithville, WV

[Signature]  
Deputy Director - Oil & Gas Division

PHONE 477-3660

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 April 20 1976 by Eugene Mayo Etux made to Associated Minerals, Inc. and recorded on the 22nd day of April 1976 in Wood County, Book 667 Page 620  
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\_\_\_\_\_ 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.

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P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Address  
of  
Well Operator

Very truly yours, ENERGEX CORPORATION

(Sign Name) [Signature]  
Well Operator

225 Fourth Street  
Street

PARKERSBURG  
City or Town

W. VA. 26101  
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**

47-107-1027

PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by \_\_\_\_\_

**THIS IS AN ESTIMATE ONLY**  
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 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			
9 - 5/8			
8 - 5/8	250'	250'	Circ. To Surf.
7			
5 1/2			
4 1/2		2500'	100 Sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS None  
 IS COAL BEING MINED IN THE AREA? NO BY WHOM? \_\_\_\_\_

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Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

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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