



FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE  $1" = 200'$   
MINIMUM DEGREE OF ACCURACY  $1/4" = 200'$   
PROVEN SOURCE OF ELEVATION  $U.S. S. 1954$

I HEREBY CERTIFY THAT THIS PLAN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND ENFORCED BY THE DEPARTMENT OF MINES, MOUNTAIN AND FORESTRY.

SIGNED: Surveyor  
W. S. Galt

(4) DENOTE LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
FORM IV-6 (878)

DATE MAY 2 1982  
OPERATOR'S WELL NO. \_\_\_\_\_  
API WELL NO. 47-107-1000  
STATE W. VA. COUNTY PUTNAM

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, MOUNTAIN AND FORESTRY

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_  
OF "GAS" PRODUCTION  STORAGE  \_\_\_\_\_  
LOCATION ELEVATION \_\_\_\_\_  
DISTRICT \_\_\_\_\_  
QUADRANGLE \_\_\_\_\_  
SURFACE OWNER Valley Mills 7.5'  
OIL & GAS ROYALTY OWNER \_\_\_\_\_ LEASE ACREAGE 11

PROPOSED WORK: DRILL  CLEAN UP  REFRAC  STIMULATE  \_\_\_\_\_  
STIMULATE  \_\_\_\_\_  
FORMATION \_\_\_\_\_ (OTHER REYNOLDS OPERATIONS SPECIFY)

PLUG AND ABANDON  CLEAN UP AND REFRAC  \_\_\_\_\_  
TARGET FORMATION \_\_\_\_\_  
WELL OPERATOR \_\_\_\_\_  
ADDRESS P.O. Box 1111  
Putnam County, W. Va. 26161



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

12 SHOTS

3121'-3123' 2 SHOTS  
 3127'-3129' 2 SHOTS  
 3210'-3212' 2 SHOTS  
 3229'-3233' 4 SHOTS  
 3238'-3240' 2 SHOTS

upper  
Huron

Fractured with 720,000 cu. ft. of Nitrogen.

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	250	
Sand			250	280	
Shale			280	310	
Sand			310	340	
Shale			340	354	
Sand			354	362	
Shale			362	380	
Sand			380	426	
Shale			426	562	
Sand			562	604	
Shale			604	640	
Sand			640	656	
Shale			656	698	
Sand			698	708	
Shale			708	754	
Sand			754	840	
Shale			840	860	
Sand			860	936	
Shale			936	972	
Sand			972	1002	
Shale			1002	1020	
Sand			1020	1026	
Shale			1026	1040	
Sand			1040	1060	
Shale			1060	1090	
Sand			1090	1112	
Shale			1112	1140	
Sand			1140	1146	
Shale			1146	1194	
Sand			1194	1202	
Shale			1202	1214	
Sand			1214	1234	
Shale			1234	1240	
Sand			1240	1260	
Shale			1260	1272	
Sand			1272	1278	
Shale			1278	1282	
Sand			1282	1304	
Shale			1304	1366	
Big Injun			1366	1484	
Gray Shale			1484	1816	
Coffee Shale			1816	1866	
Berea	1866	1872			
Devonian Shale	1872	4014			
	Gas				

(Attach separate sheets as necessary)

Energex Corporation  
Well Operator

By: Robert E. Kuhlman, President

Date: May 21, 1984

Huron ETO

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, 1981Surface Owner EUGENE MAYOCompany ENERGEX CORPORATIONAddress Rt. #1, Williamstown, WV 26187Address 225 Fourth St., Parkersburg, WMineral Owner SameFarm MAYO A Acres 11

Address \_\_\_\_\_

Location (waters) Ohio RiverCoal Owner SameWell No. 3 Elevation 608

Address \_\_\_\_\_

District Williams County WoodCoal Operator NoneQuadrangle Valley Mills

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 9-22-81.

*Paul Goodnight*  
Deputy Director - Oil & Gas Division

INSPECTOR

TO BE NOTIFIED Paul GoodnightADDRESS Smithville, WVPHONE 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 May Etux made to Associated Minerals, Inc and recorded on the 22nd day of April 1976n 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 OperatorVery truly yours, ENERGEX CORPORATION(Sign Name) *Jim Allen*

Well Operator

225 Fourth Street

Street

PARKERSBURG, WV 26101

City or Town

W V

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.

47-107-1028-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 Fourth St., Parkersbu  
 TELEPHONE 424-7300 TELEPHONE 422-5418 WV  
 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	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? \_\_\_\_\_

**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 \_\_\_\_\_ Code.



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 11

Address \_\_\_\_\_

Location (waters) Ohio River

Coal Owner Same

Well No. 3 Elevation 608

Address \_\_\_\_\_

District Williams County Wood

Coal Operator None

Quadrangle Valley Mills

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 1-22-81.

INSPECTOR  
TO BE NOTIFIED Paul Goodnight

ADDRESS Smithville, WV

PHONE 477-3660

Robert F. [Signature]  
Deputy Director - Oil & Gas Division

GENTLEMEN:

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Address  
of  
Well Operator

Very truly yours, ENERGEX CORPORATION

(Sign Name) [Signature]  
Well Operator

225 Fourth Street  
Street

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47-107-1028

PERMIT NUMBER

BLANKET BOND

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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