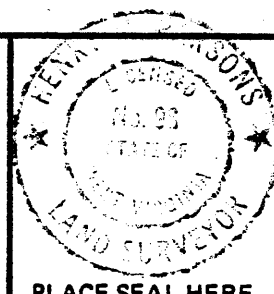


- LATITUDE 39° 27' 30"
- A POINT IN ROAD
- A-B N 77° E 132
- B POINT
- B-C N 37° E 330
- C STONE (EXISTING)
- C-D N 17° 46' E 490.94
- E-D S 77° 27' E 399.36
- C E N 23° 25' W 604.03
- C-F N 27° W 2739
- E R.R. SPIKE IN FENCE LINE
- F-G N 73° E 82.5
- F C.O.
- G W.O.
- G-H S 71° E 1402.5
- H W.O.
- H-I N 47° E 462
- I STONE
- I-J S 48° E 1089.0
- J STONE
- J-K S 34° W 396
- K STONE
- K-L S 42° W 726
- L STONE
- L-M S 50° E 462
- M STONE
- M-N S 85° E 478.5
- N STONE
- N-O S 34° E 33
- O STONE
- O-P S 44 1/2° W 1122
- P POINT IN ROAD
- P-A N 82° W 247.5

FILE NO. 79-5453  
 DRAWING NO. 79-5453-H  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 IN 2500  
 PROVEN SOURCE OF ELEVATION B.M. 732 NEAR FREELAND RUN ON MIDDLEBOURNE, WVA. TOPO MAP

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) Henry M. Parsons  
 -R.P.E.- L.L.S. 98



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)



DATE DEC. 18, 1980  
 OPERATOR'S WELL NO. BAKER #1  
 API WELL NO. 47-TYLER-0889  
 STATE 095 COUNTY TYLER PERMIT 0889

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 841 WATER SHED SANCHO CREEK  
 DISTRICT MEADE COUNTY TYLER  
 QUADRANGLE MIDDLEBOURNE, WVA. West Union 15' NC  
 SURFACE OWNER F.C. BAKER ACREAGE (69 ACRE) 20 ACRE DRILLING UNIT  
 OIL & GAS ROYALTY OWNER F.C. BAKER AND ETTA BAKER LEASE ACREAGE 69  
 LEASE NO. BAKER #1  
 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 FIFTH SAND ESTIMATED DEPTH 3500  
 WELL OPERATOR W. J. LYDIC DESIGNATED AGENT GLENN MCQUATE  
 ADDRESS 411 WOODLAWN AVE ADDRESS 1403 9TH ST.  
ZANESVILLE, OHIO 43701 VIENNA, WVA.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
**Oil and Gas Division**  
**WELL RECORD**

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

Quadrangle \_\_\_\_\_

Permit No. 0889

Company W.J. Ludic, Inc.  
Address Box 2310 Zanesville Oh 43701  
Farm Baker Acres 69  
Location (waters) Sancho Creek  
Well No. 1 Elev. 841  
District Meade County Tyler  
The surface of tract is owned in fee by Fred & Etta Baker  
Address Box 175 Middlebourne W.Va 26149  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling Commenced 3-3-81  
Drilling Completed 3-7-81  
Initial open flow 20,000 cu. ft. 1 bbls.  
Final production \_\_\_\_\_ cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8			
7	1315	1305	200sks
5 1/2			
4 1/2	3432	3422	275 sks
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

2225-2241 10 holes      2560-2609-5 holes      2751-2760-8 holes  
3300-3332-13 holes      Shut In 1000, 2000, 1600  
Three stage foam frac w/ Nitrogen      50,000 SCF Cooldown  
810,000 SCF Treating      Cooldown 50,000 SCF      230,000 SCF Treatment  
610 sks 20/40 sand      120 gal Pen 5      1000 gal HCL Acid  
6300# KCL      13 Gal Cla-Sta-13      17 gal Adomall      24 BPM Breakdown  
3000#      Average Treatment Feet      2550#      Sec. Zone 2000      Third Zone 2900  
Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet      Salt Water \_\_\_\_\_ Feet  
Producing Sand Berea, Gordon, and Devonian      Depth same as perms

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
1st Cow Run			532	557		
2nd Cow Run			640	680		
Little Dunkard			980	998		
Big Dunkard			1028	1037		
Gas Sand			1108	1210		
1st Salt Sand			1251	1300		
2nd Salt Sand	white-lt.	hard	1338	1436		Light brown - gray
3rd Salt Sand	gray	loose	1498	1576		
Maxon	Gray	loose	1620	1691		
Greenbrier		Big Lime	1702	1794		White to Dark Tan Micro XLN Dense.
Keener	White	fine Med grain	1794	1824		
Big Injun	white	fine grain	1824	1958		
Weir	White to Lt. gray	hard	2154	2244		
Berea			2323	2326		
Thirty Foot			2558	2566		Med gray and Maroon
Gordon			2750	2764		Med Gray
Warren			3290	3338		White Light-gray/Hard-tigh.
Devonian Shaler			3338	T.D.		Med gray no flour

OCT 08 1981



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
DEC 23 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.

Surface Owner Fred C. and Etta Baker  
Address Box 175, Middlebourne, W. Va.  
Mineral Owner Same as above  
Address Same as above  
Coal Owner Same as above  
Address Same as above  
Coal Operator None  
Address \_\_\_\_\_

DATE December 22, 1980  
Company W. J. Lydic, Inc.  
Address Box 2310, Zanesville, Ohio  
Farm Fred C. & Etta Baker Acres 69  
Location (waters) \_\_\_\_\_  
Well No. # 1 Elevation \_\_\_\_\_  
District Meade County Tyler  
Quadrangle Middlebourne

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 8-31-81.

J. J. Murray  
Deputy Director - Oil & Gas Division

INSPECTOR  
TO BE NOTIFIED Phillip Lee. Tracy  
ADDRESS Box 173, Middlebourne, W. Va.  
PHONE 758-4573

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 Jun 21 1979 by FRED C. and ETTA BAKER made to W. J. Lydic, Inc. and recorded on the 23 rd day of June 19 79 in Tyler County, Book 219 Page 441  
 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

Very truly yours, W. J. LYDIC inc.  
(Sign Name) James C. Lydic vice president  
Well Operator  
P.O. Box 2310  
Street  
Zanesville, Ohio 43701  
City or Town  
Ohio  
State

Address  
of  
Well Operator

\*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

47-095-0889

PERMIT NUMBER

**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 \_\_\_\_\_ NAME Glenn McQuate  
 ADDRESS \_\_\_\_\_ ADDRESS 1403 9th St. Vienna, W. Va.  
 TELEPHONE \_\_\_\_\_ TELEPHONE 304-295-7530  
 ESTIMATED DEPTH OF COMPLETED WELL: 3500' ROTARY   X   CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Fifth Sand  
 TYPE OF WELL: OIL   X   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 - 10			
9 - 5/8			
8 - 5/8	250'	250'	CTS.
7			
5 1/2			
4 1/2	3500' of Total D.	3500'	350 sacks or as reqd. by rule 15.01
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? \_\_\_\_\_ 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.

**O 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