

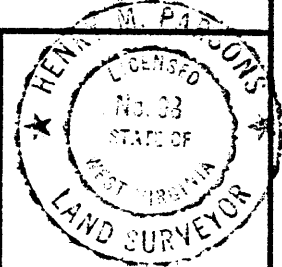
LATITUDE	39° 27' 30"
A	STONE NEAR SANCHO CREEK
A-B	N 63° E 396
B	STONE
B-C	S 85° E 305.25
C	SET R.R. SPIKE IN FENCE LINE NEAR MOUTH OF DRAIN
C-D	S 80° 17' E 457.63
E-D	S 19° 54' W 344.85
C-F	S 63 1/2° E 1245.75
C-E	S 54° 57' E 224.02
E	SET R.R. SPIKE IN FENCE LINE
F	B.O.
F-G	S 79° E 396
G	STONE
G-H	S 60° E 462
H	STAKE
H-I	S 73° W 254
I	STONE AT CREEK
I-J	N 27° E 389.4
J	SMALL SYCAMORE 15'
J-K	N 26° W 258
K	STONE TOPO LOCATION 4405 0.50 W
K-R	N 26° E 396

LONGITUDE 80° 55'

39 25 55
80 55 35

FILE NO. 79-5453
 DRAWING NO. 79-5453-G
 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



PLACE SEAL HERE

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



DATE DEC. 18, 1980
 OPERATOR'S WELL NO. PLYE #1
 API WELL NO. 47-TYLER-0890
 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 741 WATER SHED SANCHO CREEK
 DISTRICT MEADE COUNTY TYLER
 QUADRANGLE MIDDLEBOURNE, WVA. West Union NW
 SURFACE OWNER E. JABLONSKI ACREAGE (50) 20 ACRE DRILLING UNIT
 OIL & GAS ROYALTY OWNER HERMAN PYLES & MARY PYLE LEASE ACREAGE 50
 LEASE NO. PLYE #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 Mc QUATE
 ADDRESS 411 WOODLAWN AVE. ZANESVILLE, OHIO 43701 ADDRESS 1403 9TH ST. VIENNA, W. VA.



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. 0890

Company W. J. Ludic, Incorporated
Address P.O. Box 2310 Zanesville, Oh 43701
Farm Pyle Acres 50
Location (waters) Sancho Creek
Well No. #1 Elev. 741
District Meade County Tyler
The surface of tract is owned in fee by Herman & Maru Pyle
Address 205 East St Middlebourne
Mineral rights are owned by W. Va.
Address _____
Drilling Commenced 3/10/81
Drilling Completed 3/13/81
Initial open flow 750,000 cu. ft. 0 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	1962'	1952	450 sack.
7			
5 1/2			
4 1/2	4946'	4936	525 sks
3			
2			
Liners Used			

Well treatment details:
607,000 SCF Treatment Cooldown 2800 Sck 110 gal Pen-
6500 Lbs KCL 15 Gal Clay STA-13 800 Gal Fe-Acid 3000 Ca
CL₂ 110 Fercheck 150 HLX 287 635 sks 20/40 sand
Breakdown 1600psi Shut in 200 psi Average Pressure 3200 psi
Total 13,800 gal.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet
Producing Sand Devonian Shale Depth 3710' 4814'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Little Dunkard			1010	1024		
Big Dunkard			1085	1125		
Gas Sand			1155	1252		
1st Salt Sand			1274	1350		
2nd Salt Sand			1387	1482		
3rd Salt Sand			1528	1579		
Maxon			1670	1700		
Green-brier-Big Lime			1713	1803		
Keener			1803	1828		
Big Injun	Gray	Hard	1828	1966		
Weir	gray	hard	2169	2262		Show of Oil in base
Berea	gray	hard	2331	2336		no flour.
Gordon	gray & maroon		2758	2775		no flour
Warren	Bright white flour		3300	3350		white flour
Devonian Shale		to T.D.	3350	T.D.		



RECEIVED
DEC 23 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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 December 22, 1980

Surface Owner Herman and Mary Pyle
Address 205 East St., Middlebourne, W. Va.
Mineral Owner Same as above
Address Same as above
Coal Owner Same as above
Address Same as above
Coal Operator _____
Address _____

Company W. J. Lydic, Inc.
Address P.O. Box 2310, Zanesville, Ohio
Farm Herman & Mary Pyle Acres 50
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.

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

J. G. Murray
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 May 16 1979 by Herman and Mary Pyle made to W. J. Lydic, Inc. and recorded on the 17th day of May 1979 in Tyler County, Book 219 Page 217

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, W. J. LYDIC INC
(Sign Name) James E. Lydic
Well Operator
P. O. Box 2310 Street
ZANESVILLE, OHIO 43701 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.

BLANKET BOND

47-095-0890

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 USED 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' or Total D.	3500'	350 Sks at a depth 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 _____ FEET
 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.

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