



LATITUDE 39° 25'

LONGITUDE 80° 57' 30"

39 24 45
80 57 55

FILE NO. 79-5453
 DRAWING NO. 79-5453-D
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 2500
 PROVEN SOURCE OF ELEVATION 772 B.M. AT VILLAGE OF WICK ON MIDDLEBOURNE 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 _____, 19____
 OPERATOR'S WELL NO. KELLY No 1
 API WELL NO. 093
47 - TYLER - 0156
 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 775 WC WATER SHED SUGAR CREEK
 DISTRICT MEADE DISTRICT COUNTY TYLER
 QUADRANGLE MIDDLEBOURNE WEST UNION 15'
 SURFACE OWNER ROBERT KELLY ACREAGE 99+ ACRES (20 ACRE DRILLING UNIT)
 OIL & GAS ROYALTY OWNER ROBERT F. & PATRICIA KELLY LEASE ACREAGE 99+ ACRES
 LEASE NO. KELLY No. 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 3400
 WELL OPERATOR W. J. LYDIC INC DESIGNATED AGENT GLENN McQUATE
 ADDRESS 411 WOODLAWN AVE ADDRESS 1403 9TH ST.
ZANESVILLE, OHIO VIENNA, W. VA.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division
WELL RECORD ³⁰

Rotary Oil _____
Cable _____ Gas _____
Recycling _____ Comb.
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Quadrangle Middlebourne

Permit No. 47-095-0756

Company W.J. Lydic, Inc.
Address 411 Woodlawn Ave., Zanes., OH 43701
Name Kelly Acres 99
Location (waters) _____
Well No. #1 Elev. 775
District Meade County Tyler
The surface of tract is owned in fee by Robert F. & Patricia Kelly
Address Rt. #1, Box 35, Wick, W. Va.
Mineral rights are owned by Same
Address Same
Drilling Commenced 12/29/79
Drilling Completed 1/5/80
Initial open flow 32,000 cu. ft. 2 bbls.
Final production 32,000 cu. ft. per day 2 bbls.
Well open _____ hrs. before test _____ RP.
Well treatment details:

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	1125'	1125'	Cemented to surface
5 1/2			
4 1/2	3362'	3362'	Halliburton cement with 200 sacks 50/5 POZ with 75 sacks of gel mixed.
3			
2			
Liners Used			

Attach copy of cementing record.

500 sacks 20/40 Bulk Frac Sand, 100 sacks 80/100 Bulk Frac Sand, 110 gallons Parasperse, 40 gallons Cla-Sta B, 500 lb. WG-12, 20 BPM.

Material was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet
Producing Sand Gordon Depth 2640'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale, grey with minor red silty shale			0	150		
Sandstone, white, fine grained			150	190		
Shale, red and grey, silty			190	440		
Sandstone, grey, very fine grained, silty			440	460		
Shale, red and grey, silty			460	990		
Sandstone, white, very fine to grained, clean			990	1130		
Shale, dark grey to black			1130	1170		
Sandstone, white, fine grained poor to fair yellow fluorescence.			1170	1190		
Shale, grey, silty			1190	1230		
Sandstone, White, fine grained			1230	1350		
Shale, medium grey, silty			1350	1400		
Sandstone, white fine grained, clean, scattered good yellow fluorescence.			1400	1430		
Shale, grey and siltstone grey to dark grey			1430	1550		
Sandstone, White, fine to medium grained, good yellow fluorescence			1550	1580		

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DEPT. OF MINES

Formation	Color	Hard or Soft	Top Feet ^{3c}	Bottom Feet	Oil, Gas or Water	Remarks
Shale, grey, silty			1580	1600		
Limestone, grey to white, very finely crystalline, hard			1600	1680		
Sandstone, white fine to coarse grained, poorly sorted, quartzitic			1680	1730		
Sandstone, white, medium grained, hard			1730	1850		
Shale, medium to dark grey			1850	1990		
Shale, medium grey, very silty in part			1900	2070		
Siltstone and Sandstone, grey very fine grained.			2070	2110		Weir Sandstone
Shale, grey, very silty in part			2110	2200		
Siltstone, light grey			2200	2210		
Shale, grey, very silty in part			2210	2450		
Sandstone, grey very fine grained			2450	2460		
Siltstone, grey, very shaley			2460	2630		
Siltstone, light grey, very sandy			2630	2640		Gordon Formation
Shale, medium to dark grey			2640	3200		
Siltstone, grey, sandy			3200	3240		Warren Sandstone
Shale, medium to dark grey			3240	3520		

Date June 13, 1980

APPROVED W. J. Lydic, Inc. Owner

By James C. Lydic
James C. Lydic Vice-Pres.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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DEC 19 1979

Oil and Gas Division
OIL AND GAS WELL PERMIT APPLICATION
OIL & GAS DIVISION
DEPT. OF MINES

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

Surface Owner Robert F. & Patricia Kelly
Address Rt. #1 Box 35, Wick, W. Vr.
Mineral Owner Same as above
Address Same as above
Coal Owner Same as above
Address Same as above
Coal Operator None
Address _____

DATE Dec. 18, 1979
Company W. J. Lydic Inc.
Address 411 Woodlawn Ave., Zanesville, Ohio
Farm Robt. Kelly Acres 99.25
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 8-21-80.

INSPECTOR
TO BE NOTIFIED Paul Garrett
ADDRESS 321 Beech St., Clarksburg, W. Va.
PHONE 304 622-3871

Robert F. Kelly
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 Oct. 3, 19 79 by Robert F. & Patricia Kelly made to W. J. Lydic Inc. and recorded on the 4th day of Oct. 19 79, in Tyler County, Book 221 Page 534

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,
(Sign Name) William J. Lydic Pres.
Well Operator
Address 411 Woodlawn Ave.
Street
Well Operator 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

47-095-0756

PERMIT NUMBER

