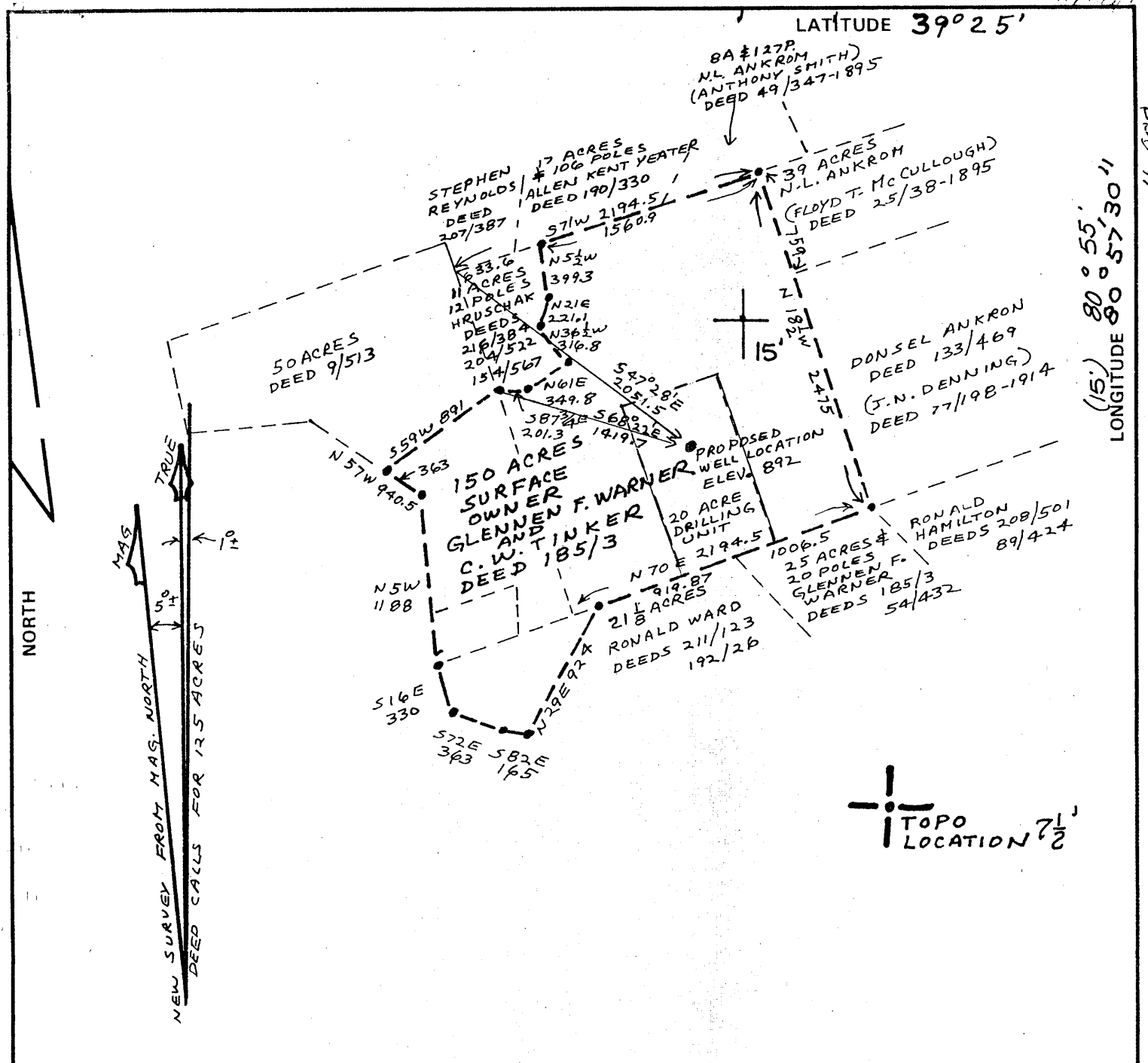


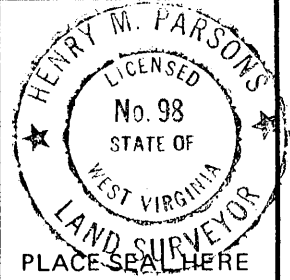
3400

11/20/79



FILE NO. 79-5453  
 DRAWING NO. 79-5453-C  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 IN 2500  
 PROVEN SOURCE OF ELEVATION 826 B.M. AT VILLAGE  
McKIN 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 NOV. 21, 1979  
 OPERATOR'S WELL NO. POE No 3  
 API WELL NO. \_\_\_\_\_  
47 - 095 - 0748 - P  
 STATE COUNTY PERMIT

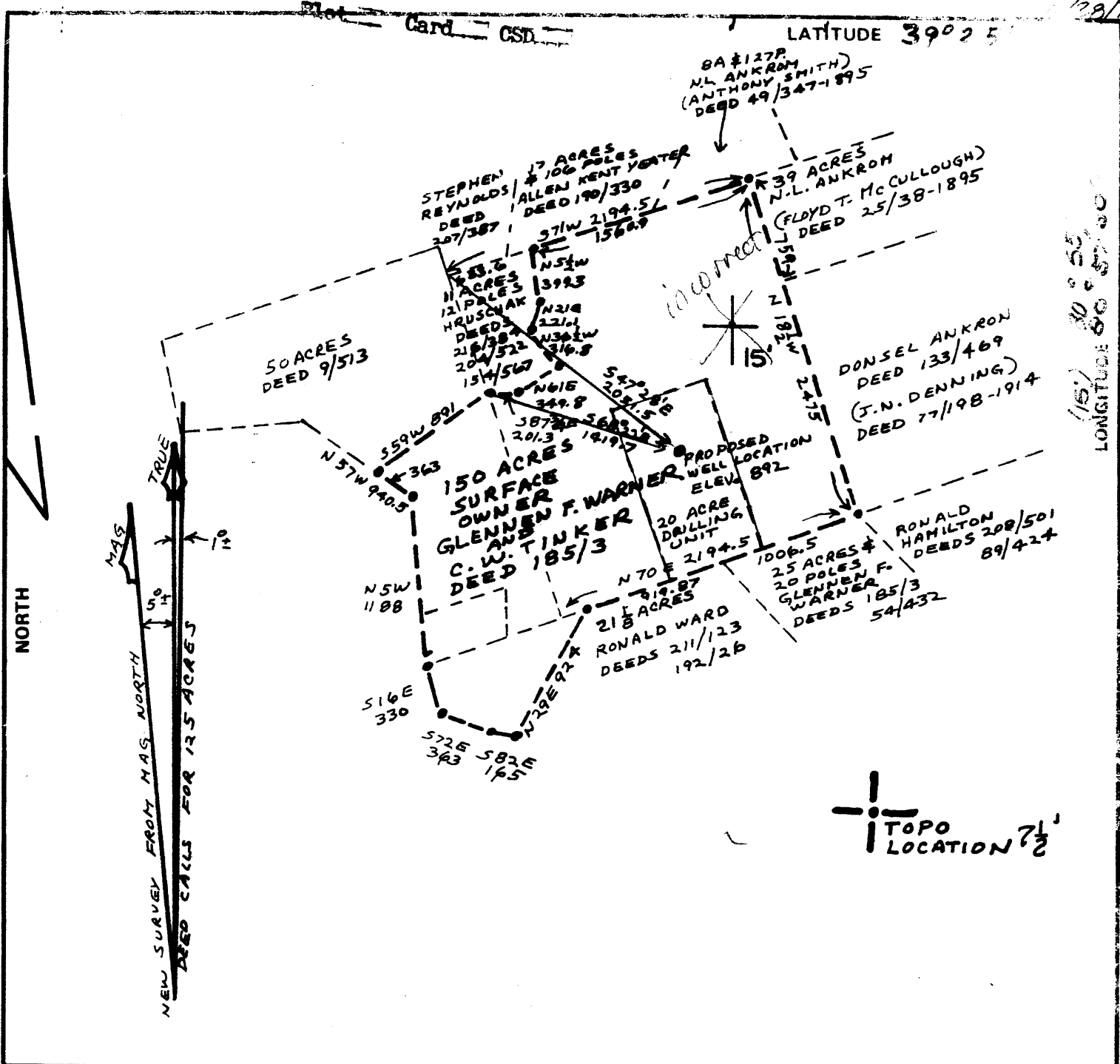
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

PL. CANCELLED

WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 892 WATER SHED Mc KIM CREEK  
 DISTRICT MEADE COUNTY TYLER  
 QUADRANGLE MIDDLEBOURNE 7 1/2, WEST UNION 15'  
 SURFACE OWNER GLENNEN F. WARNER & C.W. TINKER ACREAGE 150 ACRES (20 ACRE DRILLING UNIT)  
 OIL & GAS ROYALTY OWNER WARNER & C.W. TINKER LEASE ACREAGE 150  
 LEASE NO. 1 Well #3  
 PROPOSED WORK: DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

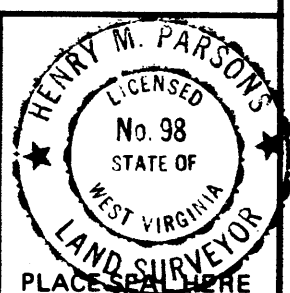
AUG 17 1987

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. Zanesville, Ohio ADDRESS 1403 9th St. Vienna, W. Va. 26105



FILE NO. 79-5453  
 DRAWING NO. 79-5453-C  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 IN 2500  
 PROVEN SOURCE OF ELEVATION 826 B.M. AT VILLAGE OF MCKIN 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)



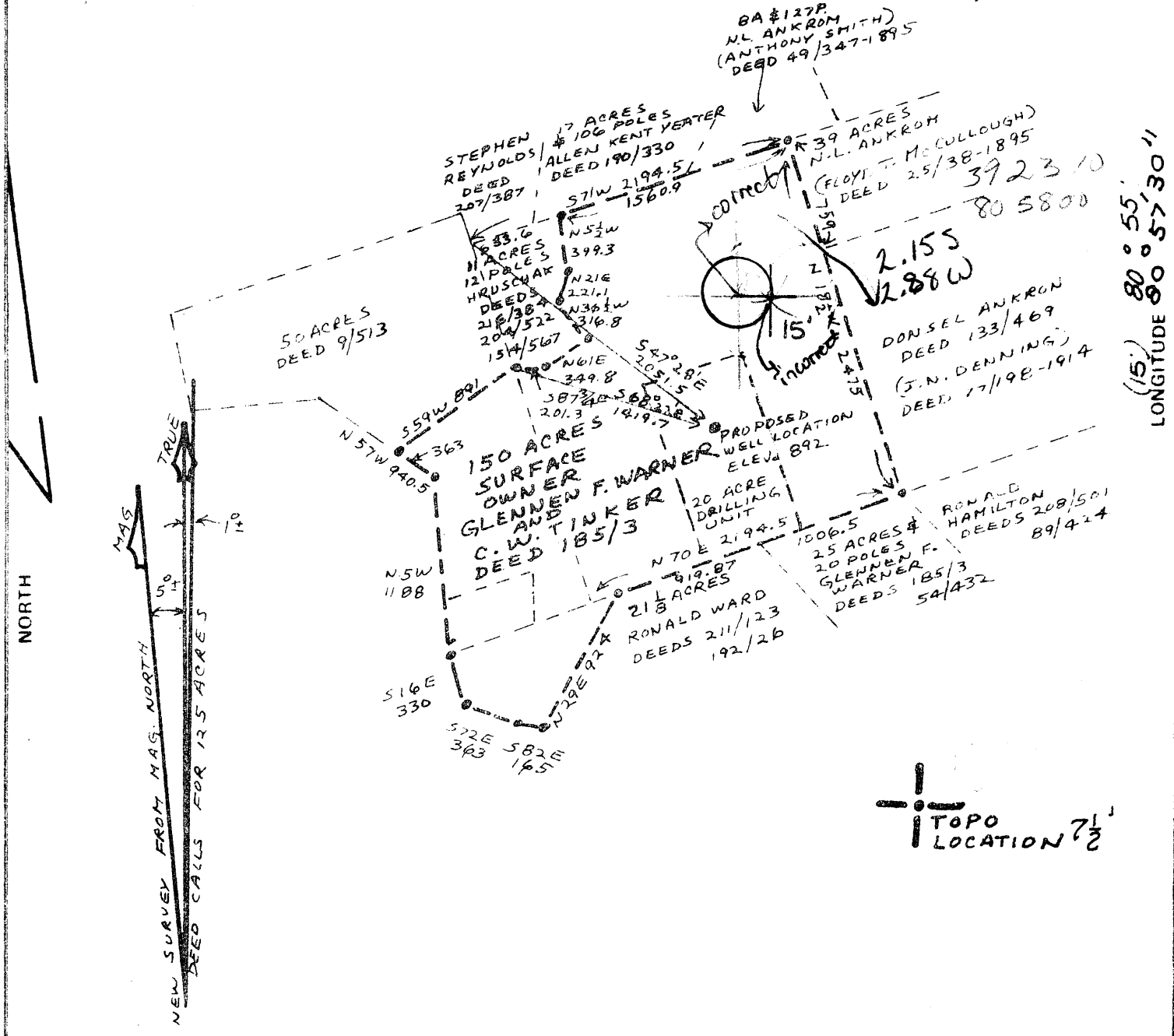
DATE NOV. 21, 1979  
 OPERATOR'S WELL NO. POE No 3  
 API WELL NO. \_\_\_\_\_  
47 - 095 - 0748 - P  
 STATE COUNTY PERMIT

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 892 WATER SHED Mc KIM CREEK  
 DISTRICT MEADE COUNTY TYLER  
 QUADRANGLE MIDDLEBOURNE 7 1/2 WEST UNION 15'  
 SURFACE OWNER GLENNEN F. WARNER & C.W. TINKER ACREAGE 150 ACRES (20 ACRE DRILLING UNIT)  
 OIL & GAS ROYALTY OWNER WARNER & C.W. TINKER LEASE ACREAGE 150  
 LEASE NO. 1 Well #2  
 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 Fitch Sand ESTIMATED DEPTH 300'  
 WELL OPERATOR W. J. Lytle Inc. DESIGNATED AGENT Glen McQuate  
 ADDRESS 411 Woodlawn Ave. Zanesville, Ohio ADDRESS 1403 9th St. Vienna, N. Va. 26105

LATITUDE 39° 25'



LONGITUDE 80° 55' 30"

TOPO LOCATION 7 1/2'

FILE NO. 79-5453  
 DRAWING NO. 79-5453-C  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 IN 2500  
 PROVEN SOURCE OF ELEVATION 826 B.M. AT VILLAGE OF MCKIN 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 NOV. 21, 1979  
 OPERATOR'S WELL NO. POE No 3  
 API WELL NO. 47-095-0748  
 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 892 WATER SHED Mc KIM CREEK  
 DISTRICT MEADE COUNTY TYLER WC  
 QUADRANGLE MIDDLEBOURNE 72, WEST UNION 15'  
 SURFACE OWNER GLENNEN F. WARNER & C.W. TINKER ACREAGE 150 ACRES (20 ACRE DRILLING UNIT)  
 OIL & GAS ROYALTY OWNER WARNER & C.W. TINKER LEASE ACREAGE 180  
 LEASE NO. 1 Well #3  
 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 2400'  
 WELL OPERATOR W. J. Lydie Inc. DESIGNATED AGENT Glenn McQuate  
 ADDRESS 411 Woodlawn Ave. Zanesville, Ohio ADDRESS 1403 9th St. Vienna, W. Va. 26106



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

**RECEIVED**  
MAR 28 1985  
OIL & GAS DIVISION  
DEPT. OF MINES

Quadrangle Middlebourne  
Permit No. 47-095-895 748

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

Company W. J. Lydic, Inc.  
Address P. O. Box 2310, Zanesville OH 43701  
Farm Warner-Tinker Acres 150  
Location (waters) McKim Creek  
Well No. 3 Elev. 892  
District Meade County Tyler  
The surface of tract is owned in fee by Glennen F. Warner & C.W. Tinker  
Address 3627 Chain Bridge, Fairfax VA  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling Commenced 12/7/79  
Drilling Completed 12/13/79  
Initial open flow 5000 cu. ft. 1 bbls.  
Final production ? 0 cu. ft. per day ? 0 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	1090	1090	155 sks.
5 1/2			
4 1/2	3479	3479	68 sks.
3			
XX 1 1/2"	3382	3382	
Liners Used			

Well treatment details: Attach copy of cementing record.  
2300# Breakdown. 32 BBL. per min., 2550# Average pressure. 703 BBL frac water, 64 BBL flush water, 1125# Suction pressure 40,000# sand.

IOF 5' mcf + 160  
FOF ? → Dry - P+A

Coal was encountered at unknown Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Elizabeth? Depth 3345-3382

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Maxton Sand			1690	1746		
Greensbrier Limestone			1766	1844		
Big Injun Sand			1844	2000		
Weir Sand			2230	2281		
Berea Sand			2496	2509		
Gordon Sand			2778	2791		
Elizabeth ?			3345	3382		

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	• Remarks

Date March 26 19 85

APPROVED James C. Lydic Owner  
 James C. Lydic, Vice-President  
 for W. J. Lydic Inc.

RECEIVED



JUN 28 1982

STATE OF WEST VIRGINIA

OIL AND GAS DIVISION DEPARTMENT OF MINES  
WV DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Middlebourne

Permit No. 0748

47-095-

Company W.J. Lydic, Inc.  
Address P.O. Box 2310 Zanesville Oh  
Farm Warner-Tinker Acres \_\_\_\_\_  
Location (waters) \_\_\_\_\_  
Well No. 3 Elev. 892'  
District Meade County Tyler  
The surface of tract is owned in fee by \_\_\_\_\_

Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_

Drilling Commenced 12-6-79  
Drilling Completed 12-14-79  
Initial open flow 5,000 cu. ft. 0 bbls.  
Final production 0 cu. ft. per day 0 bbls.  
Well open 265 hrs. before test 100 RP.

Well treatment details:

FRACTURED 1-2-80

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		1092	185 SKS
5 1/2			
4 1/2		3454	135 SKS
3			
2			
Liners Used			

Attach copy of cementing record.

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Elizabeth ? Depth 3345 - 3382

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Maxon Sand	clear		1690	1746	39% water saturation, 27% gas & 24% oil saturation	
Greenbrier lime	clear		1766	1844		
Big Injun Sand	clear		1844	2000	Calculated in 2 zones: 1880-1886' & 1904'-1911' 7&9% porosity, 35&30% water saturation, 24&30% gas sat. 41 & 40% oil saturation.	
Weir sand	gray		2230	2281		
Berea sand			2497	2509		This sand was not well developed.
Gordon sand	gray		2778	2791	5% porosity, no gas 44% water 56% oil	
Elizabeth ?			3345	3382	5, 6, & 4% porosity, no gas 58, 46, & 64% water and 62% 54% and 36% oil	

JUL 08 1982



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

NOV 28 1979

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 November 27, 1979

Surface Owner Glennen F. Warner & C.W. Tinker

Company W. J. Lydic Inc.

Address 3727 Chain Bridge R., Fairfax, W. Va.

Address 411 Woodlawn Ave., Zanesville, Ohio

Mineral Owner Same as above

Farm Warner & Tinker Acres 150

Address Same as above

Location (waters) \_\_\_\_\_

Coal Owner Same as above

Well No. 3 Elevation 892'

Address Same as above

District Meade County Tyler

Coal Operator None

Quadrangle Middlebourne

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 7-29-80.

INSPECTOR

TO BE NOTIFIED Phillip L. Tracy

ADDRESS Dodd Street, Middlebourne, W. Va.

PHONE 304 758-4573

Robert F. [Signature]  
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 August 16 19 79 by Glennen Warner, et al made to W. J. Lydic Inc. and recorded on the 30th day of Aug. 19 79, in Tyler County, Book 220 Page 473

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  
of  
Well Operator

411 Woodlawn Ave.

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

47-095-0748

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:   3400'   ROTARY \_\_\_\_\_ 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	<u>  250'  </u>	<u>  250  </u>	<u>  CTS  </u>
7			
5 1/2			
4 1/2	<u>  3400' or Total Depth  </u>		
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?   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.

**○ 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