

6/4/79 R

Latitude 39° 25'

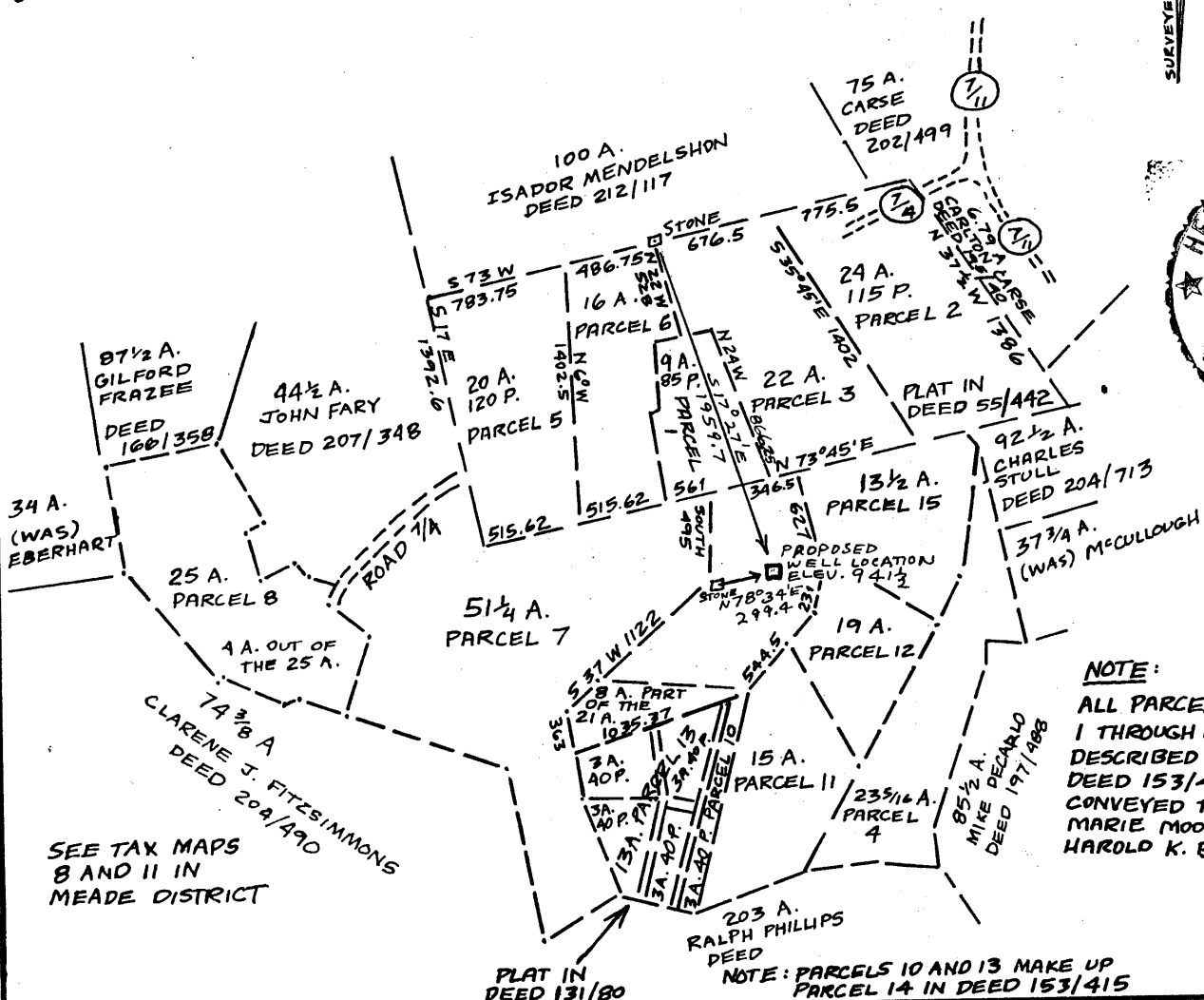
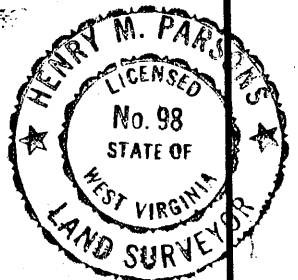
8850+1  
7.5  
4900

15'

TOPO LOCATION 7 1/2'

Longitude 80° 55'

SURVEYED SOLID LINES FROM MAG. NORTH  
TRUE  
52'



NOTE:  
ALL PARCELS 1 THROUGH 15 ARE DESCRIBED IN DEED 153/415 AS CONVEYED TO BETTY MARIE MOORE BY HAROLD K. BARKER

New Location   
Drill Deeper   
Abandonment

Minimum Error of Closure METHODS USED SHOULD PRODUCE 1 IN 2500  
Source of Elevation 818 AT WICK ROAD AND SOUTH FORK ROAD INTERSECTION EAST OF THE VILLAGE OF WICK SHOWN ON THE MIDDLEBOURNE TOPO MAP  
"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia. Henry M. Parsons

Company C.W. RIGGS, INC.  
Address BOX 358, ST. MARYS, W.VA.  
Farm BETTY MARIE MOORE (PAR. #21)  
Tract \_\_\_\_\_ Acres 2.63 Lease No. \_\_\_\_\_  
Well (Farm) No. MOORE #5 Serial No. \_\_\_\_\_  
Elevation (Spirit Level) 941 1/2  
Quadrangle MIDDLEBOURNE, WEST UNION 15'  
County TYLER District MEADE  
SURVEYOR  
Engineer HENRY M. PARSONS  
SURVEYOR'S  
Engineer's Registration No. 98  
File No. 79-5358 Drawing No. 79-5358  
Date MAY 21, 1979 Scale 1"=1000'

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON

WELL LOCATION MAP  
FILE NO. 47-095-0696

*Cancelled*

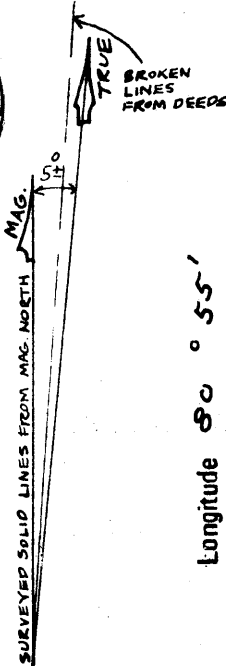
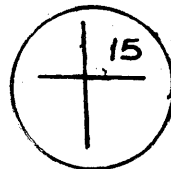
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

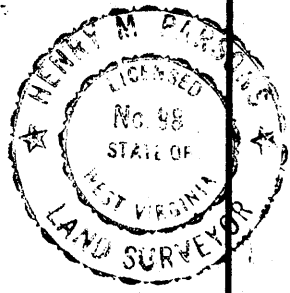
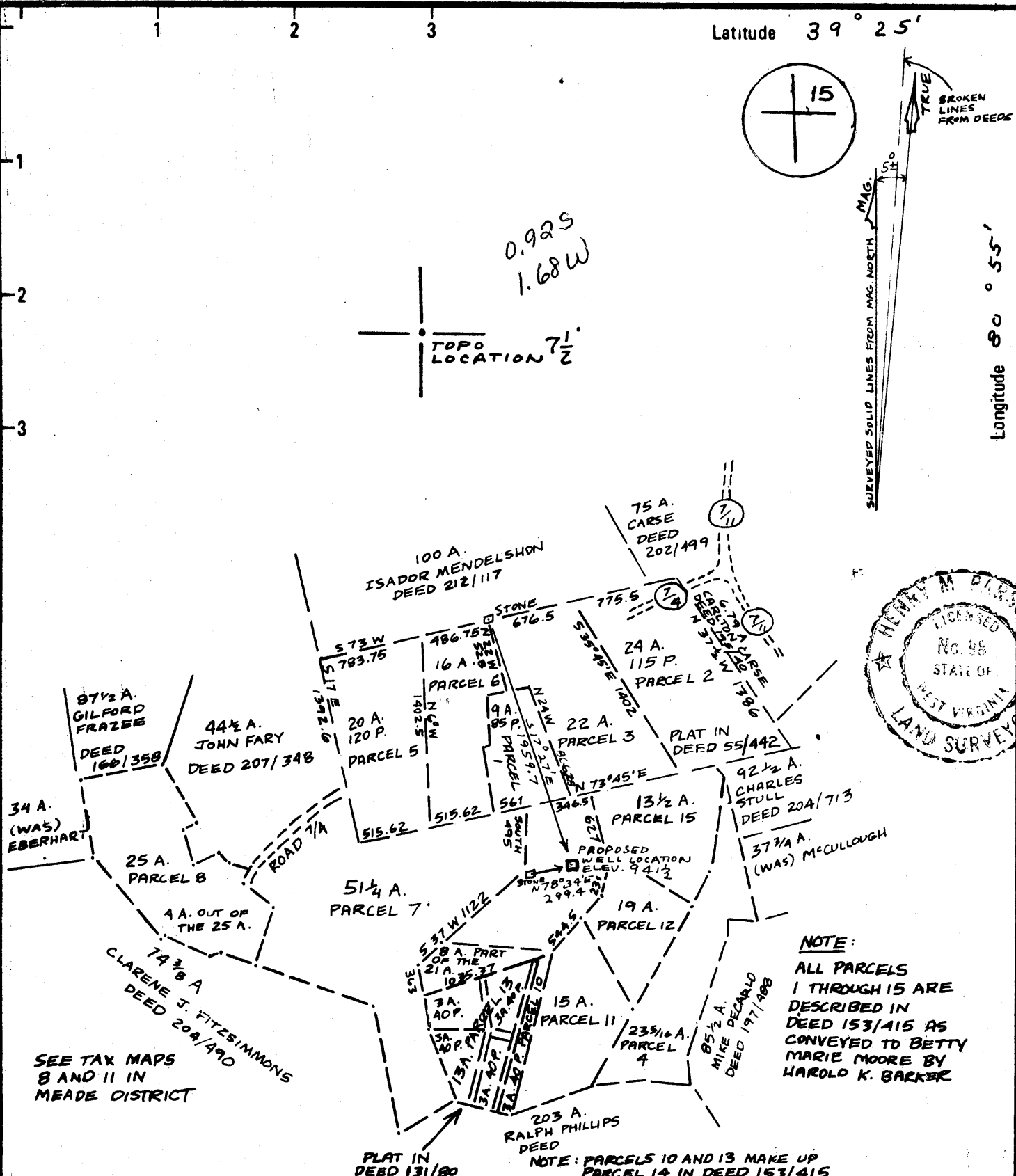
FEB 3 1987

DeWolfe 2050'

Latitude 39° 25'



Longitude 80° 55'



**NOTE:**  
ALL PARCELS 1 THROUGH 15 ARE DESCRIBED IN DEED 153/415 AS CONVEYED TO BETTY MARIE MOORE BY HAROLD K. BARKER

PLAT IN DEED 131/80  
NOTE: PARCELS 10 AND 13 MAKE UP PARCEL 14 IN DEED 153/415

New Location   
Drill Deeper   
Abandonment

Minimum Error of Closure METHODS USED SHOULD PRODUCE 1 IN 2500  
Source of Elevation **BIG AT WICK ROAD AND SOUTH FORK ROAD INTERSECTION EAST OF THE VILLAGE OF WICK SHOWN ON THE MIDDLEBOURNE TOPO MAP "I"**, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia. *Henry M. Parsons*

Company C.W. RIGGS, INC.  
Address BOX 358, ST. MARYS, W.VA.  
Farm BETTY MARIE MOORE (PAR. #21)  
Tract \_\_\_\_\_ Acres 2.63 Lease No. \_\_\_\_\_  
Well (Farm) No. MOORE #5 Serial No. \_\_\_\_\_  
Elevation (Spirit Level) 941 1/2 WC  
Quadrangle MIDDLEBOURNE, WEST UNION 15'  
County TYLER District MEADE  
SURVEYOR  
Engineer HENRY M. PARSONS  
SURVEYOR'S  
Engineer's Registration No. 98  
File No. 79-5358 Drawing No. 79-5358  
Date MAY 21, 1979 Scale 1"=1000'

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON

WELL LOCATION MAP  
FILE NO. 47-095-0696

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

JUN 14 1979

Upper De... ..

*Survey*

OG - 1  
Rev. - 71



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

JUN 1 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 5-30-79

Surface Owner Betty M. Moore  
Address Middlebourne, W. Va.  
Mineral Owner Betty M. Moore  
Address Middlebourne, W. Va.  
Coal Owner Betty M. Moore  
Address Middlebourne, W. Va.  
Coal Operator None  
Address \_\_\_\_\_

Company C. W. Riggs, Inc.  
Address Box 358, St. Marys, W. Va.  
Farm Moore Acres 263  
Location (waters) Sugar Creek  
Well No. 5 Elevation 941.5  
District Meade County Tyler  
Quadrangle Middlebourne, W. Va.

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 2-4-80.

INSPECTOR TO BE NOTIFIED Philip Tracy  
ADDRESS Middlebourne, W. Va.  
PHONE 758-4573

*Robert R. Bagley*  
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 March 17 1979 by Barker and Moore made to Loren Bagley and recorded on the 29th day of March 19 79 in Tyler County, Book 218 Page 459

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) C. W. Riggs  
Well Operator  
Box 358 Street  
St. Marys City or Town  
W. Va. State

BLANKET BOND

47-095-0696

PERMIT NUMBER

\*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.

**THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO  DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT  
 NAME Little Swiss Drilling NAME C. W. Riggs, Inc.  
 ADDRESS Buchannon, W. Va. ADDRESS St. Marys, W. Va.  
 TELEPHONE 472-6396 TELEPHONE 684-3974  
 ESTIMATED DEPTH OF COMPLETED WELL: 3050' ROTARY  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Upper Devonian  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB.  STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

**TENTATIVE CASING PROGRAM:**

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT LIFT UP OR SACKS (CUBIC FT)
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8		250'	
7			cement top-bottom
5 1/2			
4 1/2		3050'	200 sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 105' 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.

**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 File