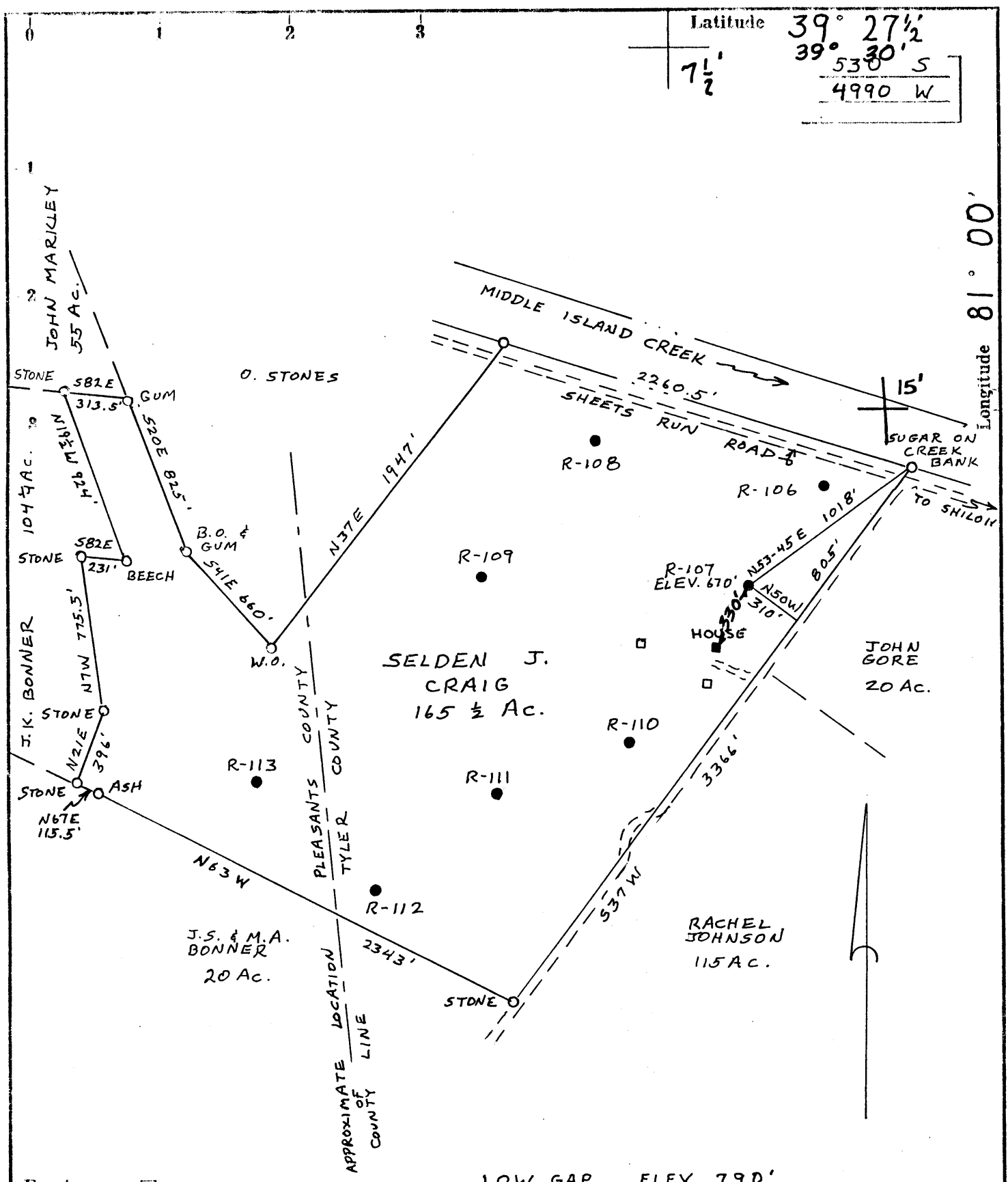


12/1/77

Latitude  $39^{\circ} 27\frac{1}{2}'$   
 $39^{\circ} 53' 30''$   
 $7\frac{1}{2}'$   
 $4990 W$

Longitude  $81^{\circ} 00'$



Fracture....   
 Redrill....   
 New Location   
 Drill Deeper   
 Abandonment  *William R. Mossor* Minimum accuracy, one part in 200

Source of Elevation LOW GAP ELEV. 790'

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.

Company C.W. RIGGS INC.  
 Address BOX 358, ST. MARYS, W.VA. 26170  
 Farm SELDEN J. CRAIG CHARLES THORN  
 Tract Acres 165 1/2 Lease No. \_\_\_\_\_  
 Well (Farm) No. R-107 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 670'  
 Quadrangle St. Marys, W.VA. 7 1/2' QUAD.  
 County TYLER District UNION  
 Surveyor or Engineer WILLIAM R. MOSSOR, L.L.S.  
 Surveyor's or Engineer's Registration No. 551  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 21 NOV. 1978 Scale 1" = 660'

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

**WELL LOCATION MAP**  
 FILE NO. **47-095-0675**  
*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.

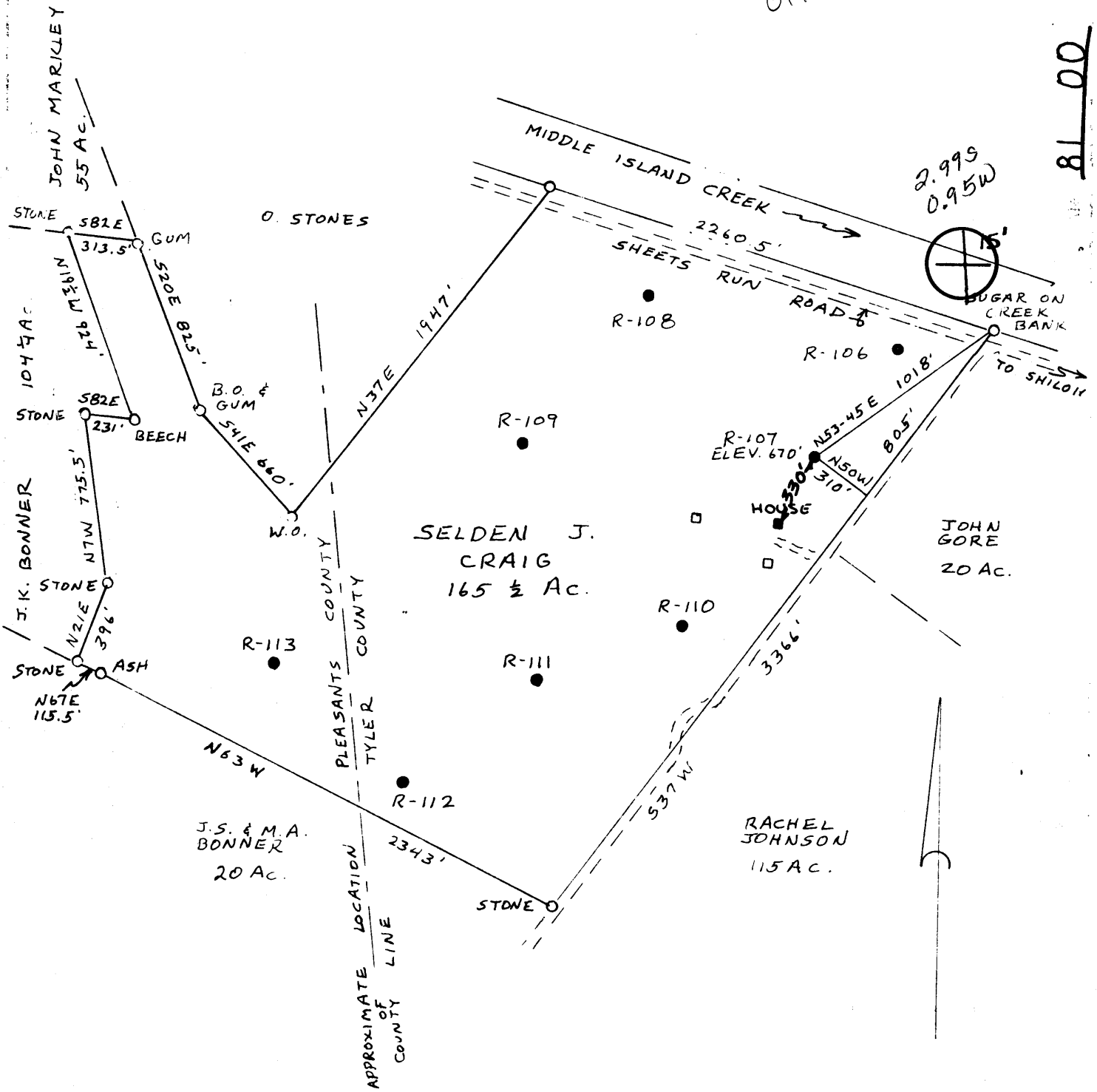
FEB 3 1987

*William R. Mossor*

39 27 1/2  
39° 30' S  
5371  
4990 W

7 1/2  
0.105  
0.95W

81 00



X

William R. Mossor

200

C.W. RIGGS INC.  
BOX 358, ST. MARYS, W.VA. 26170  
SELDEN J. CRAIG CHARLES THORN  
165 1/2

R-107

670' NE  
~~St MARYS~~  
BENS RUN, W.VA. 7 1/2' QUAD.

47-095-0675

TYLER UNION

WILLIAM R. MOSSOR, L.L.S.

24,000

551

21 NOV. 1978 1" = 660'

DEC 28 1978



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

DEC 3 1978

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 11-30-78

Surface Owner LINDA THORN

Company L. W. RIGGS, INC.

Address SAULSBURY, W. VA.

Address Box 358, St. Marks, W. VA.

Mineral Owner LINDA THORN

Farm 52416 Acres 165 1/2

Address SAULSBURY, W. VA.

Location (waters) MIDDLE ISLAND CREEK

Coal Owner CHARLES THORN

Well No. R-107 Elevation 670

Address SAULSBURY, W. VA.

District UNION County TYLER

Coal Operator NONE

Quadrangle JENS Run, W. VA.

Address \_\_\_\_\_

THIS PERMIT MUST BE POSTED AT THE WELL SITE

If 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 4-4-79.

INSPECTOR  
TO BE NOTIFIED PHILIP TEALY

ADDRESS MIDDLEBOURNE, W. VA.

PHONE 758-4575

*Robert F. Riggs*

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 APR. 11 1978 by THORN made to SURLEY and recorded on the 25th day of SEPT. 1978, in TYLER County, Book 216 Page 250

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,  
(Sign Name) C. N. Riggs  
Well Operator

Box 358  
Street  
ST. MARKS  
City or Town  
W. VA.  
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.

**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 H. A. GENT DRILLING NAME C. W. Papp, Inc  
 ADDRESS SMITHVILLE, WV ADDRESS 200 30th St, Smithville, W. Va.  
 TELEPHONE 677-5533 TELEPHONE 684-5874  
 ESTIMATED DEPTH OF COMPLETED WELL: 2610' ROTARY X CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Goconda  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB. X 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>CEMENT TO BOTTOM</u>
7			
5 1/2			
4 1/2		<u>2070'</u>	<u>200 Sks.</u>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 150 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 Title