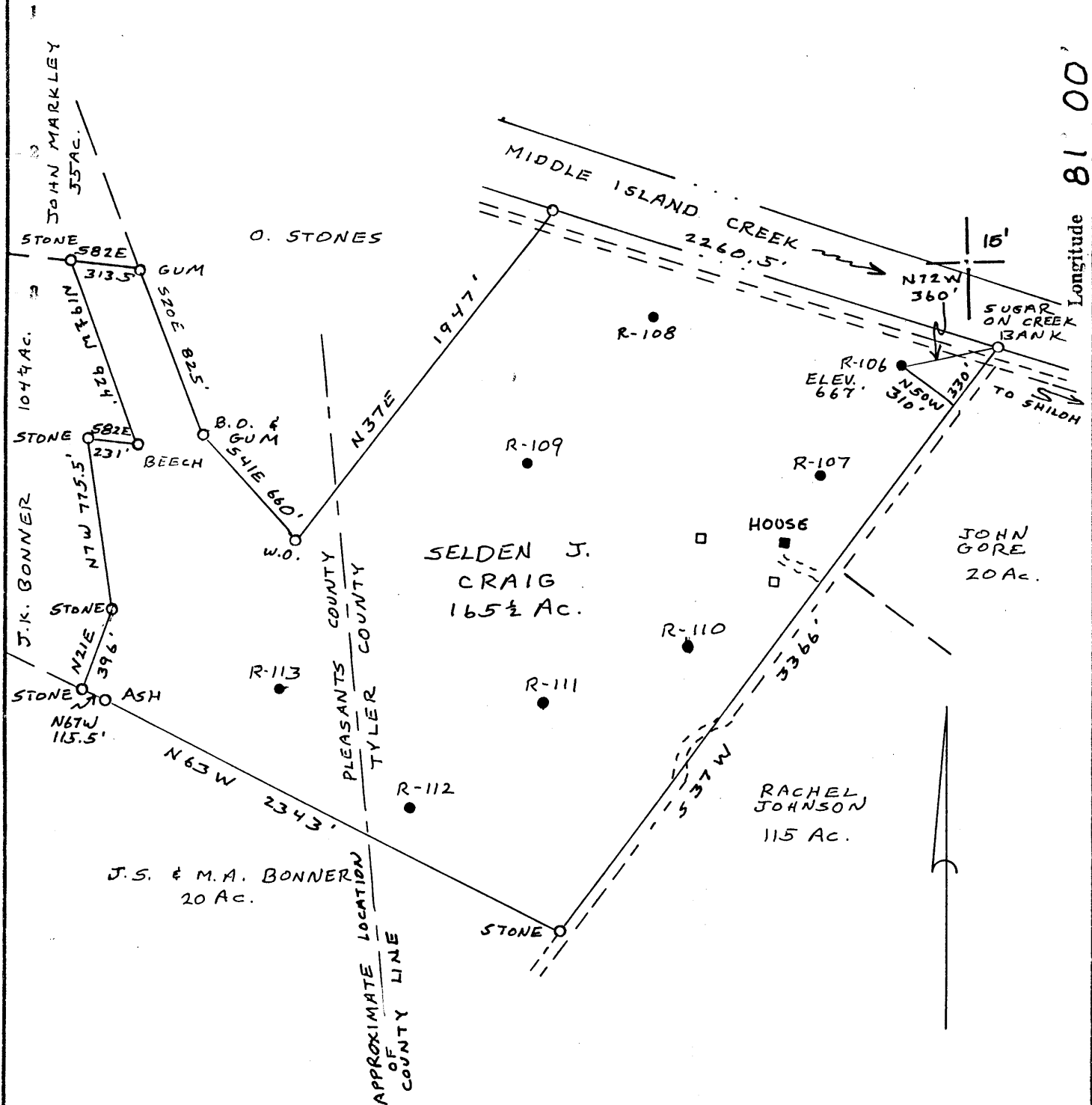


11/21/78

Latitude $39^{\circ} 27\frac{1}{2}'$
 $39^{\circ} 30' S$
 $4560 W$

Longitude $81^{\circ} 00'$



- Fracture...
- Redrill...
- New Location
- Drill Deeper
- Abandonment

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.

William R. Mossor

Minimum accuracy, one part in 200

Company C.W. RIGGS INC.
 Address BOX 358, ST. MARYS, W.VA. 26170
 Farm SELDEN J. CRAIG, Charles Thomp
 Tract _____ Acres 165 1/2 Lease No. _____
 Well (Farm) No. R-106 Serial No. _____
 Elevation (Spot Level) 667'
 Quadrangle ST MARYS 15
BENS RUN, 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. 47-095-0674

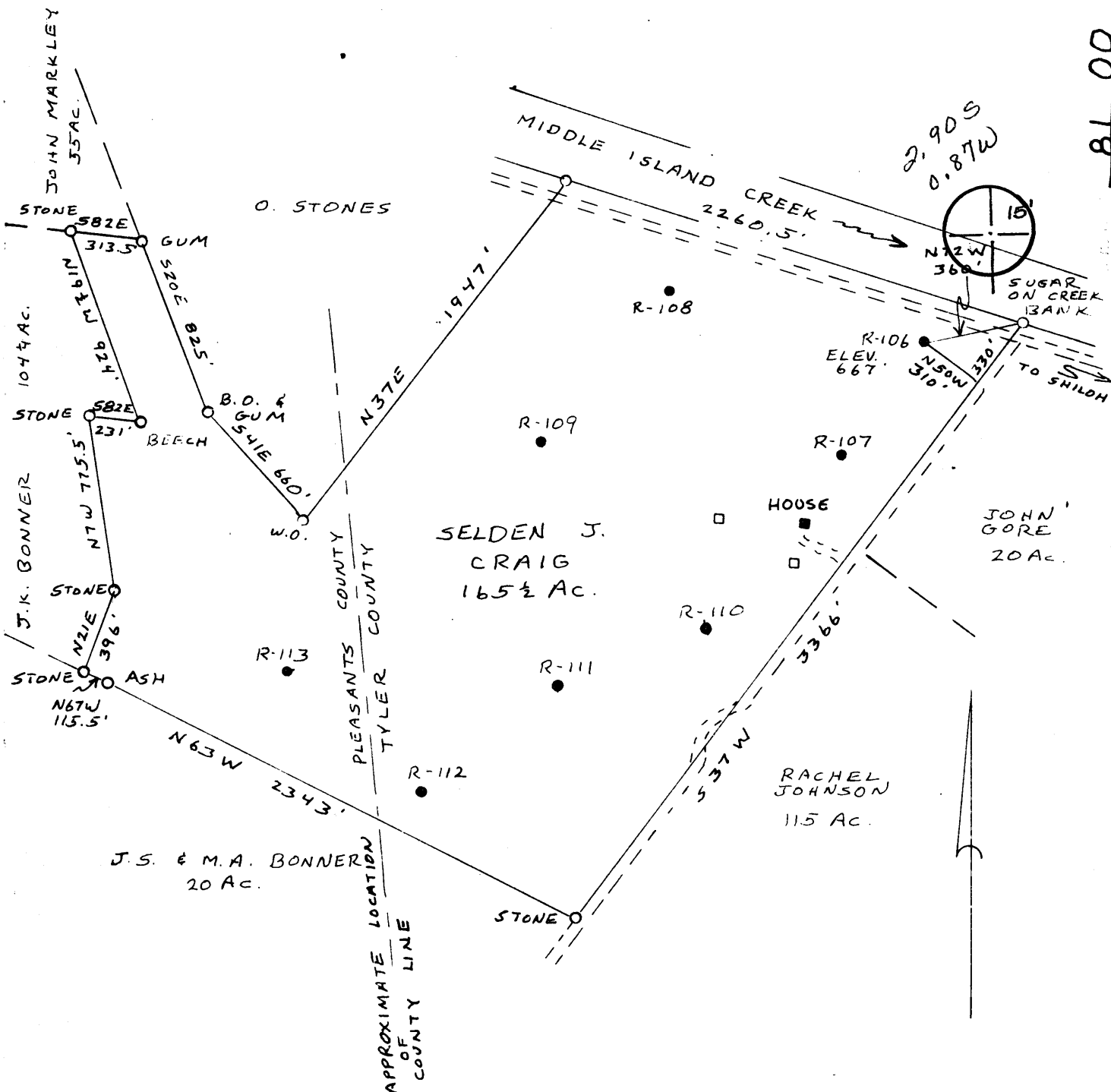
Cancelled

+ 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.

39° 27 1/2'
39° 38'
0.025 S
0.87W 4560 W

8100



X

William R. Mossor

200

C.W. RIGGS INC.
BOX 35B, ST. MARYS, W.VA. 26170
SELDEN J. CRAIG, Charles Thom

165 1/2
R-106
ST MARYS 15 NE
BENS RUN, W.VA. 7 1/2 QUAD.

47-095-0674

TYLER UNION
WILLIAM R. MOSSOR, L.L.S.

24,000

551

21 NOV. 1978

1" = 660'

DEC 28 1978



RECEIVED

DEC - 1 1978

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.

Surface Owner CHARLES THORN
Address SHILOH, W. VA.
Mineral Owner CHARLES THORN
Address SHILOH, W. VA.
Coal Owner CHARLES THORN
Address SHILOH, W. VA.
Coal Operator NONE
Address _____

DATE 11-30-78
Company C. W. Riggs, Inc.
Address Box 358, St. Marys, W. Va.
Farm CR416 Acres 165 1/2
Location (waters) MIDDLE ISLAND CREEK
Well No. K-106 Elevation 661
District UNION County TYLER
Quadrangle JENS RUN, 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 4-4-79.

Robert A. [Signature]

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED THOMAS TRACY
ADDRESS MIDDLEBOURNE, W. VA.
PHONE 758-4573

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 ORLETT and recorded on the 28th day of SEPT. 1978 in TYLER County, Book 210 Page 450

X 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. W. Riggs
Well Operator
Box 358
Street
ST. MARYS
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.

BLANKET BOND

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by _____

47-095-0674 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 HAUGHT DRILLING NAME C. W. R. GINS, INC.
 ADDRESS SMITHVILLE, W. VA. ADDRESS Box 358, Smithville, W. Va.
 TELEPHONE 477-2330 TELEPHONE 281-3174
 ESTIMATED DEPTH OF COMPLETED WELL: 2667 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: POCONO
 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 TOP-BOTTOM</u>
7			
5 1/2			
4 1/2		<u>2667</u>	<u>200 SKS</u>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 127 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