

Latitude 39° 25' 15"

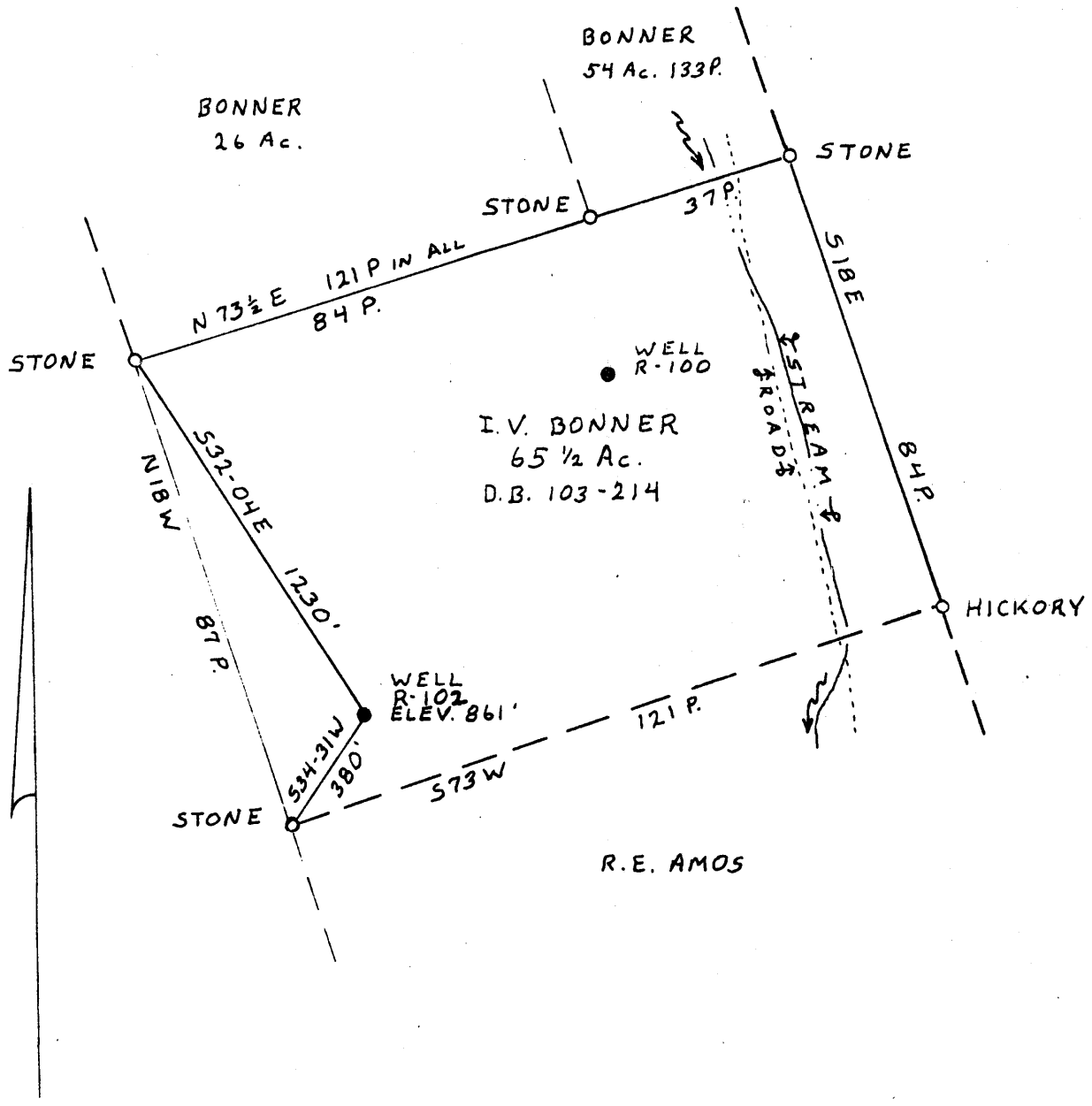
1900 S
4180 W

0.375
0.70 7 1/2

0.385
0.78 W

39 24 40
81 00 55

Longitude 81° 00' 18"



- Redefinition
- New Location
- Drill Deeper
- Abandonment

Source of Elevation ROAD ELEV. ELEV. 732'

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.

Minimum accuracy, one part in 200

Company C.W. RIGGS
 Address BOX 358, ST. MARYS, W.VA. 26170
 Name I.V. BONNER
 Acres 65 1/2 Ac Lease No. _____
 Well No. R-102 Serial No. _____
 Elevation (Spirit Level) 861' EC
 Location ST. MARYS 75'
BENS RUN, W.VA. 7 1/2' QUAD.
 County TYLER District MEADE
 Surveyor WILLIAM R. MOSSOR
 Deed Registration No. L.L.S. # 551
 Drawing No. _____
 Date 9 OCT. 1978 Scale 1" = 30 P.

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

WELL LOCATION MAP
 FILE NO. TYL - 672

+ 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.

47-095 NOV 30 1978

676 SHILOH-WICK 86



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

FEB 22 1980

Oil and Gas Division
WELL RECORD

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle BENS RUN

Permit No. TYL-672-47-095

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

Company C.W. Riggs, Inc.
Address Box 358, St. Marys, W. Va.
Farm BONNER Acres 65
Location (waters) SUGAR GREEK
Well No. R-102 Elev. 861'
District MEADE County TYLER
The surface of tract is owned in fee by
E.E. BONNER
Address MEADEVILLE, W.VA.
Mineral rights are owned by SAME
Address SAME
Drilling Commenced 2-20-79
Drilling Completed 2-25-79
Initial open flow N/A cu. ft. N/A bbls.
Final production 30,000 cu. ft. per day 1 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. 13-0" MIN	250'	250'	
9 5/8			
8 5/8			
7			
5 1/2			
4 1/2		3007	365 sks
3			
2			
Liners Used			

Attach copy of cementing record.

PERFORATIONS 2732-2742 15 shots

H₂O/SAND/N₂ TREATMENT 30 MCF + 1 B0

1500 BBL H₂O, 100,000# 20-40 SAND, 145,000 SCF N₂

Coal was encountered at N/A Feet _____ Inches
Fresh water N/A Feet _____ Salt Water N/A Feet _____
Producing Sand GORDON Depth 2726-2747

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
MAXON			1486	1513		* Top Log
BIG LIME			1538	1574		
KEENER			1650	1670		
INJUN			1793	1886		
SQUAW			1926	1934		
WELCH STRAY			2178	2186		
BEREA			2307	2311		
FIFTY FOOT			2433	2472		
THIRTY FOOT			2550	2585		
GORDON STRAY			2608	2622		
GORDON			2726	2747	OIL & GAS	

drlr TO on log - 3007
btm 4 1/2" csg - 3007

Indicates Electric Log tops in the remarks section.

(over)

MAR 10 1980



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

RECEIVED
NOV - 5 1978
OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner I. V. BONNER
Address MEADEVILLE, W. VA
Mineral Owner I. V. BONNER
Address MEADEVILLE, W. VA
Coal Owner I. V. BONNER
Address MEADEVILLE, W. VA
Coal Operator NONE
Address _____

DATE 11-1-78
Company L. W. Riggs, Inc
Address Box 358, St. Marks, W. VA
Farm BONNER Acres 65.5
Location (waters) SUGAR CREEK
Well No. R-102 Elevation 861'
District MEADE County TYLER
Quadrangle BENS 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 3-7-79.

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

[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 JULY 21 1978 by BONNER made to SABLEY and recorded on the 7 day of AUG. 1978 in TYLER County, Book 211 Page 319

1 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

BLANKET BOND

Very truly yours,
(Sign Name) L. W. Riggs
Well Operator

Address Box 358
of ST. MARKS
Well Operator ST. MARKS
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.

TYL-672 PERMIT NUMBER

"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."

47-095

Signed by _____

**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 GLEN L. HAUGHT & SONS NAME C. W. RIGGS, INC.
 ADDRESS SMITHVILLE, W. VA. ADDRESS Box 358, ST. MARYS, W. VA.
 TELEPHONE 477-3333 TELEPHONE 684-3974
 ESTIMATED DEPTH OF COMPLETED WELL 2711' ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: GORDON
 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>2711'</u>	<u>300 SKS.</u>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 120' 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