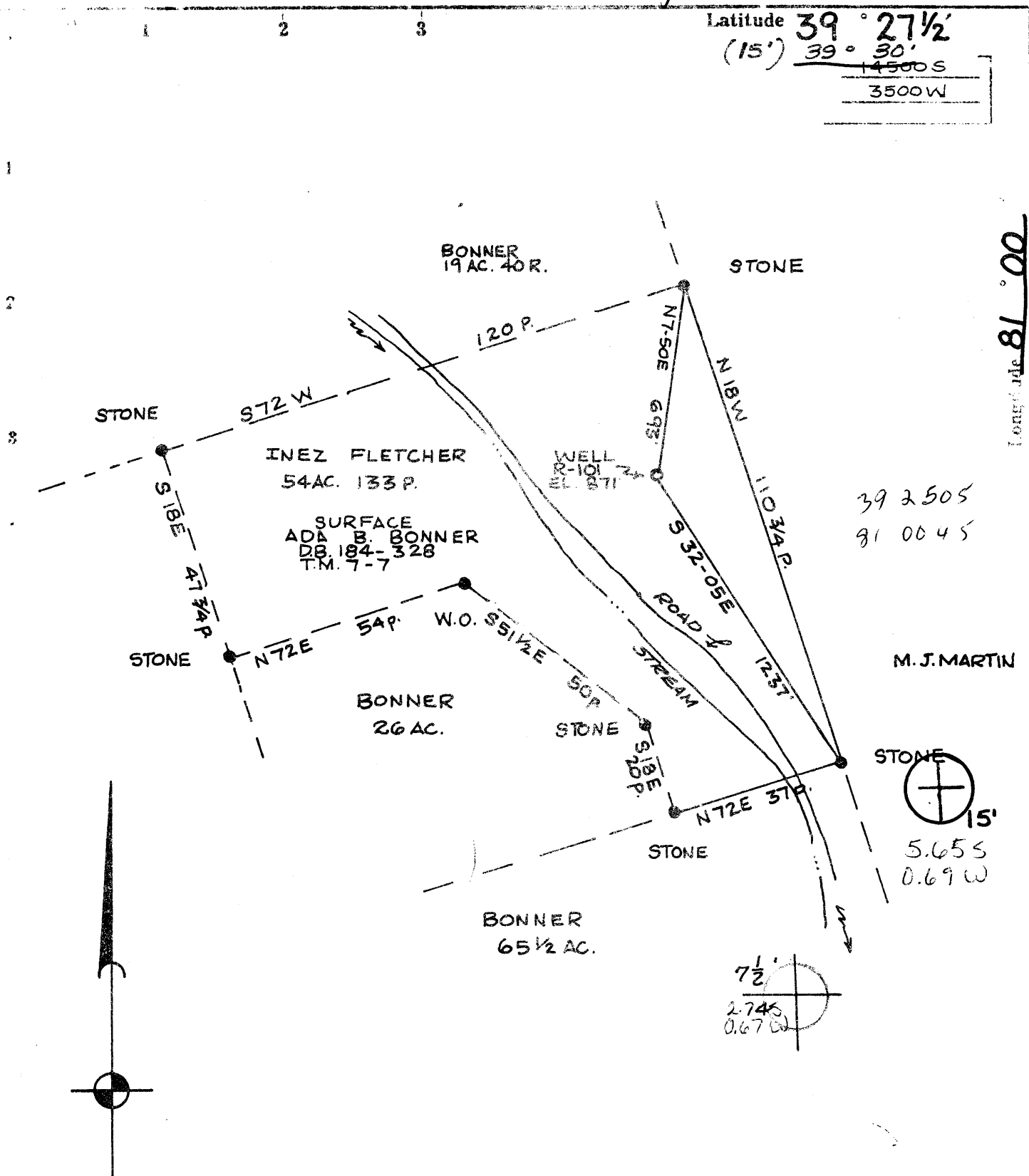


Latitude **39° 27½'**  
 (15') **39° 30'**  
 14500 S  
 3500 W

Longitude **81° 00'**



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

Source of Elevation ROAD ELEV. EL. 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.

*William R. Mossor* Minimum accuracy, one part in 200

Company C. W. RIGGS INC  
 Address BOX 358, ST. MARYS, WVA. 26170  
 Name INEZ FLETCHER, IV BONNER  
 Tract Acres 54-133P Lease No. \_\_\_\_\_  
 Well (Farm) No. R-101 Serial No. NE  
 Elevation (Spirit Level) 871' ST. MARY'S IS  
 Quadrangle BENS RUN, WVA. 7 1/2' QUAD.  
 County TYLER District MEADE  
 Surveyor or Engineer WILLIAM R. MOSSOR, L.L.S.  
 Surveyor's or Engineer's Registration No. 551  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 8 SEPT. 1978 Scale 1" = 30p.

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

**WELL LOCATION MAP**  
 FILE NO. **TYL-671**

- 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 space on border lines of original tracing.

**47-095 NOV 1 1978**

6-6 Shiloh-Wick (86)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

FEB 22 1980

Oil and Gas Division

OIL & GAS DIVISION  
DEPT. OF MINES

WELL RECORD 75

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

Quadrangle BENS RUN

Permit No. TYL-671-47-095

Company C. W. RIGGS, INC.  
Address Box 358, ST. MARYS, W.V.A.  
Farm BONNER Acres 55  
Location (waters) SUGAR CREEK  
Well No. R-101 Elev. 871'  
District MEADE County TYLER  
The surface of tract is owned in fee by  
E. E. BONNER  
Address MEADVILLE, W.V.A.  
Mineral rights are owned by J. N. FLETCHER  
Address MCLEAN, VA.  
Drilling Commenced 2-28-79  
Drilling Completed 3-3-79  
Initial open flow N/A cu. ft. N/A bbls.  
Final production 26,000 cu. ft. per day 3 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 (10) MIN	250'	250'	
9 5/8			
8 5/8			
7			
5 1/2			
4 1/2		<u>2861'</u>	325 sks.
3			
2			
Lines Used			

Attach copy of cementing record.

5B0426 MCF

PERFORATIONS 2728' - 2860' - 15 SHOTS

H<sub>2</sub>O/SAND/N<sub>2</sub> TREATMENT

1500 BBL H<sub>2</sub>O, 100,000# 20-40 SAND, 130,000 SCF N<sub>2</sub>

Coal was encountered at N/A Feet \_\_\_\_\_ Inches  
Fresh water N/A Feet \_\_\_\_\_ Salt Water N/A Feet \_\_\_\_\_  
Producing Sand GORDON Depth 2728' - 2860'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
SALT SAND	2		1360'	1384'		* Top Log
SALT SAND	3		1440'	1446'		
MAXON			1495'	1517'		
BIG LIME			1578'	1600'		
KEENER			1692'	1712'		
INJUN			1798'	1887'		
SQUAW			1947'	1957'		
WELCH STRAY			2190'	2201'		
BEREA			2307'	2312'		
FIFTY FOOT			2433'	2478'		
THIRTY FOOT			2548'	2558'		

(over)

Indicates Electric Log tops in the remarks section.

MAR 10 1980

Formation	Color	Hard or Soft	Top Feet 75	Bottom Feet	Oil, Gas or Water	Remarks
GORDON STRAY			2610'	2626'		
GORDON			2724'	2744'	OIL & GAS	
			bkn 4 1/2" on log	2861		
			drilled on log	2863		

Date 1-23 1980

APPROVED C. W. Riggs, Inc. Owner

By [Signature]



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

RECEIVED  
OCT 20 1978

OIL & GAS DIVISION  
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner J. V. CONNER  
Address WIDEVILLE, W.VA.  
Mineral Owner J. V. CONNER  
Address WIDEVILLE, W.VA.  
Coal Owner J. V. CONNER  
Address WIDEVILLE, W.VA.  
Coal Operator NONE  
Address \_\_\_\_\_

DATE 10-19-78  
Company C. W. RYAN, INC.  
Address Box 358, STIMERS, W.VA.  
Farm CONNER Acres 43.5  
Location (waters) SUGAR CREEK  
Well No. 101 Elevation 811'  
District WIDE County TRIN  
Quadrangle WIDEVILLE

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 2-20-79.

Robert L. Prad  
Deputy Director - Oil & Gas Division

INSPECTOR PHILIP TRACY  
TO BE NOTIFIED \_\_\_\_\_  
ADDRESS WIDEVILLE, W.VA.  
PHONE 358 4513

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 \_\_\_\_\_ 19\_\_\_\_ by \_\_\_\_\_ made to \_\_\_\_\_ and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_ in \_\_\_\_\_ County, Book \_\_\_\_\_ Page \_\_\_\_\_

\_\_\_\_\_  
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.

Very truly yours,

(Sign Name) C. W. Ryan  
Well Operator

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

Street Box 358  
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

TYL-671 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 \_\_\_\_\_

Amms

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 W. H. HARTMAN SONS NAME C. G. RIGGS, INC.  
ADDRESS SPRINGVILLE, W. VA. ADDRESS Box 358, Springville, W. Va.  
TELEPHONE 747-3333 TELEPHONE 584-3774  
ESTIMATED DEPTH OF COMPLETED WELL 2921 ROTARY X CABLE TOOLS \_\_\_\_\_  
PROPOSED GEOLOGICAL FORMATION: Carbon  
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			
7			
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 125 FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET  
APPROXIMATE COAL DEPTHS \_\_\_\_\_  
IS COAL BEING MINED IN THE AREA? ✓ 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