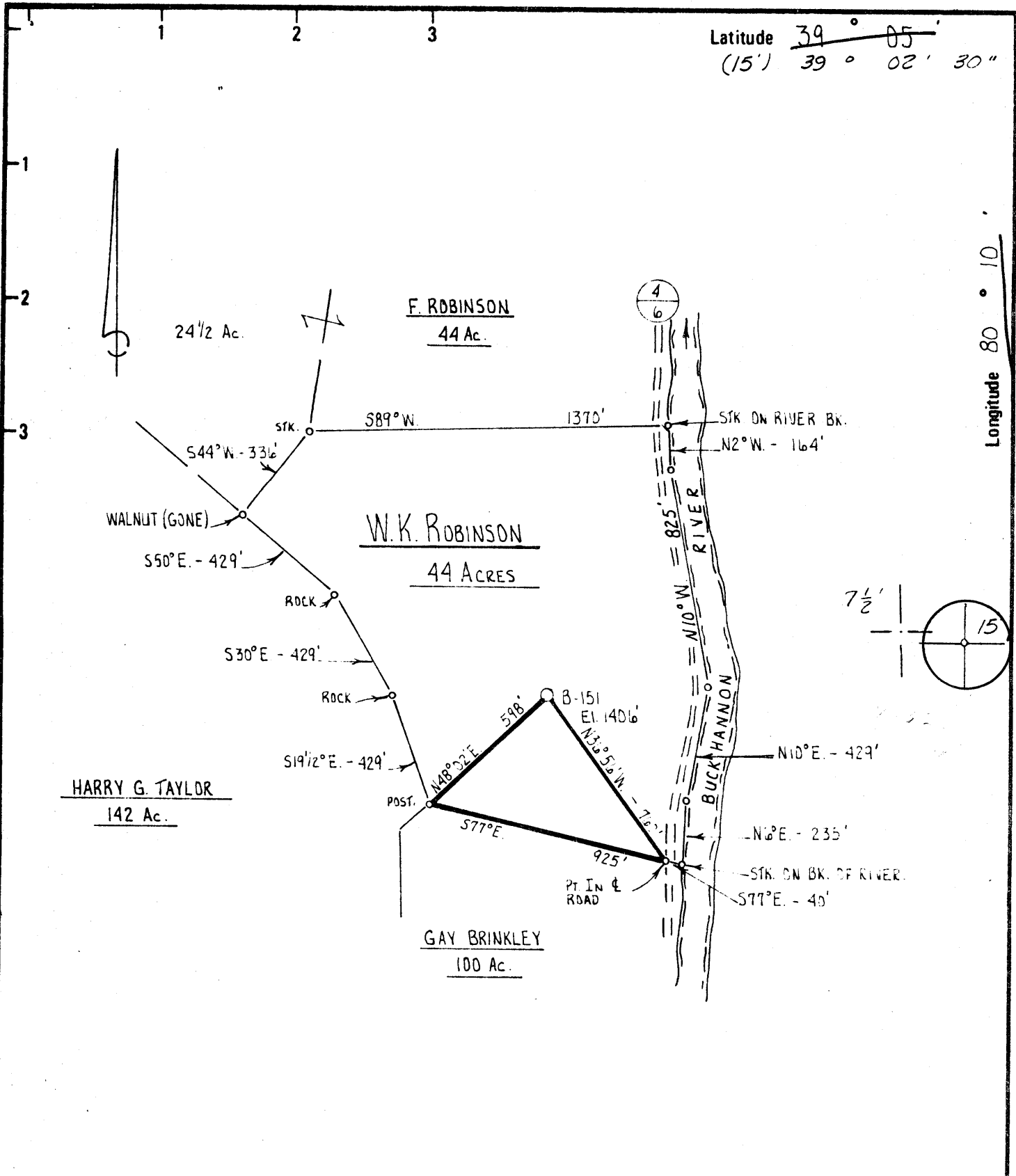


Latitude  $39^{\circ} 05'$   
 (15')  $39^{\circ} 02' 30''$

Longitude  $80^{\circ} 10'$



New Location   
 Drill Deeper   
 Abandonment

Minimum Error of Closure ONE PART IN 200  
 Source of Elevation U.E. AT JCT. S.L.S. RT. 4 AND S.L.S. 4/5  
ELEVATION 1491'

"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."

J.J. ENTERPRISES  
 Company BERRY ENERGY CONSULTANTS & MANAGERS INC.  
PO Box 5 PROFESSIONAL BUILDING SUITE 309  
 Address CLARKSBURG, WEST VIRGINIA 26301

Farm W.K. ROBINSON, Melva J. Robinson

Tract 44 Acres Lease No. \_\_\_\_\_

Well (Farm) No. 1 Serial No. B-151

Elevation (Spirit Level) 1406' SW

Quadrangle PHILIPPI, CENTURY 7 1/2'

County UPSHUR District WARREN

Engineer *Samuel J. Weller*

Engineer's Registration No. 530 L.L.S.

File No. B-952 Drawing No. \_\_\_\_\_

Date Oct. 26<sup>th</sup> 1977 Scale 1" = 500'

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

**WELL LOCATION MAP**  
 FILE NO. UPS - 1789

+ 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.

**47-097**



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

**Oil and Gas Division**  
**WELL RECORD** 12

**RECEIVED**  
MAY - 3 1978

OIL & GAS DIVISION  
DEPT. OF MINES  
Rotary  Oil   
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Quadrangle Philippi  
Permit No. UPS-1789

|   |                   |                  |              |                               |
|---|-------------------|------------------|--------------|-------------------------------|
| Company <u>J&amp;J Enterprises, Inc. c/o Berry Energy Consultants</u> | Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
| Address <u>309 Professional Building, Clarksburg, WV</u>              |                   |                  |              |                               |
| Farm <u>W. K. Robinson</u> Acres <u>44</u>                            | Size              |                  |              |                               |
| Location (waters) <u>Buckhannon River</u>                             | 20-16             |                  |              |                               |
| Well No. <u>B-151</u> Elev. <u>1406</u>                               | Cond.             |                  |              |                               |
| District <u>Warren</u> County <u>Upshur</u>                           | 13-10" 11 3/4     | 26               | 26           | To Surface                    |
| The surface of tract is owned in fee by <u>Melva J. Robinson</u>      | 9 5/8             |                  |              |                               |
| Address <u>Rt. 5, Buckhannon, WV</u>                                  | 8 5/8             | 874.75           | 874.75       | 215 Sks To Surface            |
| Mineral rights are owned by <u>Same</u>                               | 7                 |                  |              |                               |
| Address _____   | 5 1/2             |                  |              |                               |
| Drilling Commenced <u>2-23-78</u>                                     | 4 1/2             | 3996.10          | 3996.10      | 125 Sks.                      |
| Drilling Completed <u>2-26-78</u>                                     | 3                 |                  |              |                               |
| Initial open flow <u>10,000</u> cu. ft. _____ bbls.                   | 2                 |                  |              |                               |
| Final production <u>330,000</u> cu. ft. per day _____ bbls.           | Liners Used       |                  |              |                               |
| Well open <u>4</u> hrs. before test <u>990</u> RP.                    |                   |                  |              |                               |

Well treatment details:  
 Benson 80/100 31,500  
 20/40 35,000  
 Total Fluid 850

Attach copy of cementing record.  
Water Frac 3-23-78

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
 Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
 Producing Sand Benson 3906-25 Depth \_\_\_\_\_

| Formation     | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks            |
|---------------|-------|--------------|----------|-------------|-------------------|----------------------|
| Clay          |       |              | 0        | 4           |                   |                      |
| Shale         |       |              | 4        | 12          |                   |                      |
| Sandy Shale   |       |              | 12       | 30          |                   |                      |
| Sand          |       |              | 30       | 80          |                   |                      |
| Sand & Shale  |       |              | 80       | 280         |                   |                      |
| Shale         |       |              | 280      | 300         |                   |                      |
| Sand          |       |              | 300      | 323         |                   |                      |
| Sand & Shale  |       |              | 323      | 650         |                   |                      |
| Black Shale   |       |              | 650      | 720         |                   |                      |
| Sandy Shale   |       |              | 720      | 765         |                   |                      |
| White Sand    |       |              | 765      | 805         |                   |                      |
| Shale & Shale |       |              | 805      | 935         |                   |                      |
| White Sand    |       |              | 935      | 965         |                   |                      |
| Sand & Shale  |       |              | 965      | 1235        |                   |                      |
| Little Lime   |       |              | 1235     | 1265        |                   |                      |
| Sand & Shale  |       |              | 1265     | 1290        |                   | *Big Lime 1316-1400  |
| Big Lime      |       |              | 1290     | 1423        |                   |                      |
| Big Injun     |       |              | 1423     | 1517        |                   | *Big Injun 1424-1500 |
| Sand & Shale  |       |              | 1517     | 2355        |                   |                      |
| Sand          |       |              | 2355     | 2395        |                   |                      |
| Sand & Shale  |       |              | 2395     | 3200        |                   |                      |
| Sand          |       |              | 3200     | 3325        |                   |                      |
| Shale Sand    |       |              | 3325     | 3905        |                   |                      |

(over)

\* Indicates Electric Log tops in the remarks section.

\*Benson 3900-3918

MAY 10 1978

| Formation                  | Color | Hard or Soft | Top Feet     | Bottom Feet            | Oil, Gas or Water | Remarks |
|----------------------------|-------|--------------|--------------|------------------------|-------------------|---------|
| Brown Sand<br>Sand & Shale |       |              | 3905<br>3925 | 3925<br>4037<br>Benson |                   |         |

Date April 10 19 78  
J & J Enterprises, Inc.

APPROVED *W. B. Berry* Owner

By W. B. Berry, operator  
 (Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Melva J. Robinson  
Address Rt. 5, Voz 69, Buckhannon, WV  
Mineral Owner Same  
Address \_\_\_\_\_  
Coal Owner Same  
Address \_\_\_\_\_  
Coal Operator Not Operated  
Address \_\_\_\_\_

DATE December 6, 1977  
J & J Enterprises, Inc. c/o Berry  
Company Energy Consultants  
Address P.O. Box 5, Clarksburg, WV 26301  
Farm W. K. Robinson Acres 44  
Location (waters) Buckhannon River  
Well No. B-151 Elevation 1406  
District Warren County Upshur  
Quadrangle Philippi

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 TO BE NOTIFIED  
operations have not commenced by 4-9-78

To be appointed

Robert H. Berry  
Deputy Director - Oil & Gas Division

ADDRESS \_\_\_\_\_  
PHONE \_\_\_\_\_

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 26 1960 by W. K. Robinson made to Hope Natural Gas Co. and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in Upshur County, Book 36 Page 539  
 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, J & J Enterprises, Inc. c/o Berry Energy Consultants and Managers, Inc.  
(Sign Name) W. B. Berry  
W. B. Berry, Well Operator  
308-309 Professional Building  
Street  
Clarksburg  
City or Town  
WV 26301  
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 W. B. Berry

Ups-1789 PERMIT NUMBER  
47-097

**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 J & J Enterprises, Inc. NAME James R. Willet, Vice Pres.  
 ADDRESS Indiana, PA ADDRESS Buckhannon, WV  
 TELEPHONE 412-463-9191 TELEPHONE 472-2161  
 ESTIMATED DEPTH OF COMPLETED WELL: 4150 ROTARY  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Benson  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS  COMB. \_\_\_\_\_ 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    11 3/4      | 25                | 25           | To Surface                          |
| 9 - 5/8                |                   |              |                                     |
| 8 - 5/8                | 850               | 850          | To Surface                          |
| 7                      |                   |              |                                     |
| 5 1/2                  |                   |              |                                     |
| 4 1/2                  | 4060              | 4060         | To 3300                             |
| 3                      |                   |              | Perf. Top                           |
| 2                      |                   |              | Perf. Bottom                        |
| Liners                 |                   |              | Perf. Top                           |
|                        |                   |              | Perf. Bottom                        |

APPROXIMATE FRESH WATER DEPTHS 40 FEET    SALT WATER 430 FEET  
 APPROXIMATE COAL DEPTHS 369-373  
 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