



MAP SHEET 55 S15 E9

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

Source of Elevation C.G.S.C. WELL 8074 U.E. 1090'

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 J.J. ENTERPRISES  
BERRY ENERGY CONSULTANTS & MANAGERS, INC.  
 Address PROFESSIONAL BUILDING SUITE 309  
CLARKSBURG, WEST VIRGINIA 26301  
 Farm MAMIE C. SPERRY  
CHARLES LEE ANDREWS  
 Tract \_\_\_\_\_ Acres 1000 Lease No. \_\_\_\_\_  
 Well (Farm) No. \_\_\_\_\_ Serial No. B-237  
 Elevation (Spirit Level) 1167' NW  
 Quadrangle WESTON, WEST MILEFORD 7 1/2'  
 County HARRISON District UNION  
 Engineer Daniel L. Wheeler  
 Engineer's Registration No. 530 L.L.S.  
 File No. B-1317 Drawing No. \_\_\_\_\_  
 Date JANUARY 5<sup>TH</sup> 1979 Scale 1" = 1000'

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

WELL LOCATION MAP  
 FILE NO. 47-033-2049

+ 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.

MAR 9 1979



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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
Oil and Gas Division  
WELL RECORD

OIL & GAS DIVISION  
DEPT. OF MINES

Quadrangle WESTON

Permit No. HAR-2049

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

J & J Enterprises, Inc.

Company c/o Berry Energy Consultants, Inc.

Address Clarksburg, W. Va.

Farm C. Andrews Acres 1000

Location (waters) Sycamore Creek

Well No. B-237 Elev. 1167'

District Union County Harrison

The surface of tract is owned in fee by Mamie C. Sperry

P.O. Box 2, Salem, WV 26426

Address \_\_\_\_\_

Mineral rights are owned by Richard J Andrews

Address Lakewood, NJ

Drilling Commenced 5-14-79

Drilling Completed 5-20-79

Initial open flow 280 M cu. ft. \_\_\_\_\_ bbls.

Final production 762 M cu. ft. per day \_\_\_\_\_ bbls.

Well open 4 hrs. before test 650# RP.

Well treatment details: 7 days

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 11"	30'	30'	To surface
3-10"			
9 5/8			
8 5/8	1174'	1174'	To surface
7			
5 1/2			
4 1/2	4479'	4479'	320 sks
3			
2			
Liners Used			

Attach copy of cementing record.

Benson treated with 65,000# sand, 674 bbl water and 500 gal acid

Perforations: 4388-98' with 15 holes

Bradford treated with 35,000# sand, 464 bbl water and 500 gal acid

Perforations: 3799-3801' 8 holes

Balltown treated with 63,000# sand, 700 bbl water and 500 gal acid

Perforations: 3287-3318' with 13 holes

Coal was encountered at 330' 1130' Feet 36" 36" Inches

Fresh water None Feet \_\_\_\_\_ Salt Water 815' Feet \_\_\_\_\_

Producing Sand Benson-Bradford & Balltown Depth See perms

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			0	330'		No fresh water recorded
Coal			330	333		
Sand & Shale			333	435		
White Sand			435	830	Water	815' Salt
Sand & Shale			830	1130		
Coal			1130	1133		
Sand & Shale			1133	1400		
Big Lime & Injun			1400	1590		
Sand & Shale			1590	2410		
Fifth			2410	2450		
Sand & Shale			2450	3216		
Balltown			3216	3365	3287-3318'	Gas
Sand & Shale			3365	3700		
Bradford			3700	3840	Gas	3899-3801'
Sand & Shale			3840	4400		
Benson			4400	4420	Gas	4388-98'
Total Depth				4556'		

June 27, 1979  
J & J Enterprises, Inc.  
c/o Berry Energy Consultants, Inc.  
Clarksburg, W. Va.

By [Signature]  
President

(over)

\* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

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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 January 29, 1979

Surface Owner Mamie C. Sperry  
Address P. O. Box 2, Salem, WV 26426  
Mineral Owner Richard J. Andrews, et al  
c/o Millard Bymers  
Address 1129B Argyll Circle, Lakewood, NJ  
Coal Owner William H. Bargeloh  
Address 1518 17th St., Parkersburg, WV 26101  
Coal Operator Not Operated  
Address \_\_\_\_\_

Company J & J Enterprises, Inc.  
c/o Berry Energy Consultants & Mgrs., Inc.  
Address 309 Professional Bldg., Clarksburg, WV  
Farm C. Andrews Acres 1000  
Location (waters) Sycamore Creek  
Well No. B-237 Elevation 1167'  
District Union County Harrison  
Quadrangle Weston

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 10-15-79.  
Robert L. [Signature]  
Deputy Director - Oil & Gas Division

INSPECTOR  
TO BE NOTIFIED Paul Garrett  
ADDRESS Clarksburg, W. Va.  
PHONE 622-3871

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 7-14-1902 by C. Andrews made to Hope Natural Gas Co. and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in Harrison County, Book 137 Page 459  
 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 addresses \_\_\_\_\_ 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 & Mgrs., Inc.  
(Sign Name) [Signature]  
Well Operator  
309 Professional Bldg.  
Street  
Clarksburg  
City or Town  
W. Va. 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.

PERMIT BOARD

**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  S. W. Jack Drilling Co.  NAME  Jim Willett   
 ADDRESS  Indiana, PA 15701  ADDRESS  Buckhannon, WV 26201   
 TELEPHONE  412-349-6800  TELEPHONE  472-2161   
 ESTIMATED DEPTH OF COMPLETED WELL:  4550  ROTARY  X  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION:  Benson   
 TYPE OF WELL: OIL \_\_\_\_\_ GAS  X  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 <u> 11 3/4 </u>	30	30	To Surface
9 - 5/8			
8 - 5/8	900	900	To Surface
7			
5 1/2			
4 1/2	4500	4500	To 2400
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS  78-83; 335-338; 388-392   
 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