

Minimum Error of Closure: ONE PART IN 200
 Source of Elevation: BERRY ENERGY B-17 ELEV. 1135'

New Location
 Drill Deeper
 Abandonment

"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 of BERRY ENERGY CONSULTANTS & MANAGERS, INC.
 Address PROFESSIONAL BUILDING SUITE 309 CLARKSBURG, WEST VIRGINIA 26301

Farm BUELAH C ROSS

Tract _____ Acres 113 Lease No. 69356

Well (Farm) No. 2 Serial No. B-102

Elevation (Spirit Level) 1276' WC

Quadrangle BROWTON PHILIPPI 15'

County BARBOUR District ELK

Engineer Samuel L. Wilson

Engineer's Registration No. 530 LLS

File No. B-863 Drawing No. _____

Date 4-6-77 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. BAR-855

+ 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.

47-001



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

APR 10 1978
OIL AND GAS DIVISION
DEPT. OF MINES

Quadrangle Brownnton
Permit No. BAR-855

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

Company	J&J Enterprises, Inc. c/o Berry Energy Consultants	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address	309 Professional Bldg., Clarksburg, WV	Size			
Farm	Buelah C. Ross Acres 113	Cond.			
Location (waters)	Arnolds Run	13-10" 11 3/4	20.90	20.90	(To Surface)
Well No.	B-102 Elev. 1276	9 5/8			
District	Elk County Barbour	8 5/8	1118.95	1118.95	285 Sks To Surface
The surface of tract is owned in fee by	John Pickens	7			
Address	80 Hunters Lane, Devon, PA	5 1/2			
Mineral rights are owned by	Same	4 1/2	4544.7	4544.7	115 Sks
Address	Same	3			
Drilling Commenced	12-7-77	2			
Drilling Completed	12-13-77	Liners Used			
Initial open flow	5,324 cu. ft. _____ bbls.				
Final production	267,000 cu. ft. per day _____ bbls.				
Well open	4 hrs. before test 1400 RP.				
Well treatment details:					
Benson:	80/100 25,000				
	20/40 25,000				
Total Fluid	799 Bbl				

Attach copy of cementing record.
Water Frac 1-10-78

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ 190 Feet _____ Salt Water _____ Feet _____
Producing Sand Benson _____ Depth 4410-16

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Fill			0	5		
Sand Shale			5	47		
Coal			47	52		
Shale			52	55		
Sand			55	83		
Coal			83	85		
Sand Shale			85	184		
Coal			184	189		
Shale Red Rock			189	220		
Sandy Shale			220	382		
Coal			382	387		
Sand			387	400		
Red Rock Sand & Shale			400	455		
White Sand			455	542		
Sand & Shale			542	565		
Shale Red Rock			565	580		
Sand & Shale			580	810		
Coal			810	814		
Coal			810	814		
Shale With Red Rock Stks.			814	855		
Sandy Shale			855	890		
Sand			890	920		
Sandy Shale			920	995		
Sand			995	1060		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet /	Bottom Feet	(Oil, Gas or Water)	Remarks
Coal & Shale			1060	1065		
Sand			1065	1100		
Shale			1100	1115		
Sand & Shale			1115	1550		
Lime			1550	1510		
Shale & Lime			1570	1590		
Big Lime			1590	1700		
Injun			1700	1780		
Sand & Shale			1780	1925		
Sand			1925	1945		
Sand Shale			1945	1965		
Sand			1965	2020		
Sand & Shale			2020	2140		
Shale Red Rock Stks			2140	2695		
Sand Shale			2695	4402		
Benson			4402	4418		
Sand & Shale			4418	4560		

Date March 29, 1978 19

APPROVED *W. B. Berry* Owner

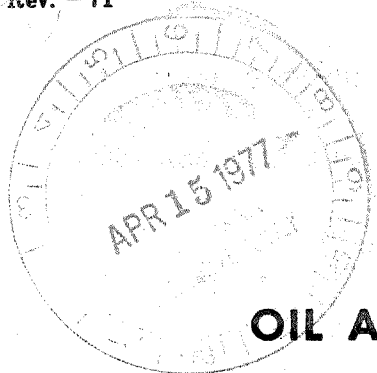
By W. B. Berry, OPERATOR



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION



RECEIVED
APR 14 1977

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

Surface Owner John D. Pickens, et al
Address 80 Hunters Lane, Devon, Penna.
Mineral Owner Same
Address _____
Coal Owner Same
Address _____
Coal Operator None
Address _____

DATE April 11, 1977
J & J Enterprises, Inc., c/o
Company Berry Energy Consultants
Address 309 Professional Bldg., Clarksburg
Farm Buelah C. Ross Acres 113
Location (waters) Arnolds Run
Well No. B-102 Elevation 1276'
District Elk County Barbour
Quadrangle Brownton

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 8-14-77.

INSPECTOR TO BE NOTIFIED Bill Hatfield
ADDRESS Buckhannon, W.Va.
PHONE 472-4268

Robert H. Berry
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 February 15, 1970 by John D. Pickens made to Consolidated Gas Supply Corp. and recorded on the 22nd day of April 1970, in Barbour County, Book 67 Page 319

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

Very truly yours, J & J Enterprises, Inc., c/o
Berry Energy Consultants
(Sign Name) W. B. Berry
Well Operator
W. B. Berry,
309 Professional Bldg.

Address of Well Operator

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.

BLANKET BOND

BAR-855

PERMIT NUMBER

47-001

"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
W. B. BERRY, OPERATOR

**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 Company NAME Jim Willett
 ADDRESS Indiana, Penna. ADDRESS Buckhannon, W. Va.
 TELEPHONE 412 463-9191 TELEPHONE 472-2161;
 ESTIMATED DEPTH OF COMPLETED WELL: 4600' 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 11 3/4	20	20	to surface
9 - 5/8			
8 - 5/8	950	950	to surface
7			
5 1/2			
4 1/2	4500	4500	to 3600
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 180-440 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 144-147; 156-158 _____
 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