



New Location <input checked="" type="checkbox"/> Drill Deeper <input type="checkbox"/> Abandonment <input type="checkbox"/>	Minimum Error of Closure <u>ONE PART IN 200</u> Source of Elevation <u>PAUGH #2 WELL ELEV. 1187'</u> "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."
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BERRY ENERGY CONSULTANTS & MANAGERS INC.
 Company
 Address PROFESSIONAL BLDG, SUITE 309 CLARKSBURG, W. VA. 26301
 Farm BEULAH C. ROSS (PICKENS)
 Tract _____ Acres 113 Lease No. 69356
 Well (Farm) No. 1 Serial No. B-17
 Elevation (Spirit Level) 1135'
 Quadrangle PHILIPPI WC
 County BARBOUR District ELK
 Engineer Daniel L. Wheeler
 Engineer's Registration No. 530 L.L.S.
 File No. _____ Drawing No. _____
 Date 5-6-76 Scale 1" = 40 POLES

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. BAR-767

+ 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 MAY 24 1976
Geo.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD /

Quadrangle Browntown

Permit No. BAR 767
47-001

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

Company J & J Enterprises
(Berry Energy Consultants)
Address 309 Professional Bldg., Clarksburg,
Farm John D. Pickens, et al Acres 113
Location (waters) Arnolds Run
Well No. B-17 Elev. 1135'
District Elk County Barbour

The surface of tract is owned in fee by John
D. Pickens, et al

Address 80 Hunters Land, Devon, Pa.

Mineral rights are owned by Same

Address _____

Drilling Commenced 9/7/76

Drilling Completed 9/14/76

Initial open flow 136,000 cu. ft. _____ bbls.

Final production 1,517,000 ft. per day _____ bbls.

Well open 11 hrs. before test 1625 RP.

Well treatment details: 9 hrs.

Water Frac Benson 57,000 20/40 Sand

500 Gal Acid

Total Fluid - 1020 bbl.

Halliburton

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10" 11 3/4	39 ft	39 ft	to surface
9 5/8			
8 5/8	892	892	to surface 250 sks
7			
5 1/2			
4 1/2	4350	4350	140 sks
3			
2			
Liners Used			

Attach copy of cementing record.

Coal was encountered at 3-7; 12-14 Feet _____ Inches

Fresh water 40; 295 Feet _____ Salt Water _____ Feet _____

Producing Sand Benson Depth 4255-4275

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	3		* Log Tops
Coal			3	7		Big Lime 1434-1504
Shale			7	12		Big Injun 1504-1626
Coal			12	14		
Sand			14	14		Gantz 1770-1790
Shale & R. R.			17	155		Fifty Foot 1808-1892
Sand			155	175		
Shale & R. R.			175	295		
Sand-Shale - Sand			295	1205		Fifth 2323-2363
Red Rock			1205	1280		Benson 4261-4295
Sand			1280	1325		
Red Rock			1325	1385		Gas <u>4265-4273</u>
Shale			1385	1390		
Little Lime			1390	1415		
Shale			1415	1445		
Big Lime			1445	1545		
Big Injun			1545	1625		
Sand Shale			1625	1765		
Gantz			1765	1885		
Sand-Shale			1885	3155		
Balltown			3155	3395		
Sand-Shale			3395	4255		
Benson #1			4255	4275		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand-Shale			4275	4385		
Benson #2			4385	4400		
Sandy Shale			4400	4438		
T. D. EMBENSON						

Date 12 / 28, 1976

APPROVED J & J Enterprises, Inc OWNER

By WTB Daily Operator
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

MAY 14 1976

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 May 7, 1976

Surface Owner John D. Pickens, et al

Company Berry Energy Consultants & Mgrs., Inc.

Address 80 Hunters Lane, Devon, Penna.

Address P. O. Box 5, Clarksburg, W. Va. 26301

Mineral Owner Same

Farm John D. Pickens et al Acres 113

Address _____

Location (waters) Arnolds Run

Coal Owner Same

Well No. B-17 Elevation 1135'

Address _____

District Union ELK County Barbour

Coal Operator None

Quadrangle Brownnton

Address _____

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 9-14-76.

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Billie Hatfield

PH: 472-4268 ADDRESS Buckhannon, W. Va.

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, 19 70 by John D. Pickens made to Consolidated Gas Supply Corp and recorded on the 22nd day of April, 19 70 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, W. Va. 26505

Address
of
Well Operator

Very truly yours. W. B. Berry

(Sign Name) W. B. Berry, Pres.

Well Operator
Berry Energy Consultants & Mgrs., Inc.
P. O. Box 5, 309 Professional Bldg.

Street

Clarksburg,
City or Town

West Virginia 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.

Bar-767 PERMIT NUMBER
47-001

**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: 4740 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 16"	50	30	
13 - 10			
9 - 5/8			
8 - 5/8	1400	1400	to surface
7			
5 ½			
4 ½	4650	4650	4,000'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 40/399 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 170-175 _____
 IS COAL BEING MINED IN THE AREA? NA BY WHOM? NA

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