



FILE NO. D.E. 4-55 RH
 DRAWING NO. VAR. 7-18
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION ROAD JUNCTION 2400' ±
 SW OF LOCATION ELEVATION 1009'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) Cecil R. Main
 R.P.E. _____ L.L.S. 711

CECIL R. MAIN
 No. 711
 STATE OF WEST VIRGINIA
 PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE JANUARY 7th 19 81
 OPERATOR'S WELL NO. B-421
 API WELL NO. 47-033-2549
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1215' WATER SHED ROCKCAMP RUN
 DISTRICT SARDIS COUNTY HARRISON
 QUADRANGLE WOLF SUMMIT 7.5 Clarksburg 15.00
 SURFACE OWNER HENRY W. AND FRANCES DAVISSON ACREAGE 76.51 Ac.
 OIL & GAS ROYALTY OWNER A. PAGE LOCKARD, ET AL LEASE ACREAGE 173 Ac.
 LEASE NO. 2146
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION BALLTOWN ESTIMATED DEPTH 4000'
 WELL OPERATOR J. AND J. ENTERPRISES, INC. DESIGNATED AGENT BERRY ENERGY CONSULTANTS AND MANAGERS INC.
 ADDRESS BERRY ENERGY CONSULTANTS AND MANAGERS, INC. ADDRESS SUITE 309 PROFESSIONAL BUILDING SUITE 309 PROFESSIONAL BLDG: CLARKSBURG, W.Va. 26301 CLARKSBURG, WEST VIRGINIA 26301



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division
WELL RECORD

RECEIVED
JUN 26 1981

OIL & GAS DIVISION
DEPT. OF MINES

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

Quadrangle Wolf Summit

Permit No. Har-2549

Company J & J Enterprises, Inc.
e/o Berry Energy Consult. & Mgrs. Inc.
Address P.O. Box 5 Clarksburg, W. Va. 26301
Farm A. Page Lockard, et al Acres 76.51
Location (waters) Rockcamp Road
Well No. B421 Elev. 1215'
District Sardis County Harrison
The surface of tract is owned in fee by _____
Henry W. Davisson
Address Rt. 1, Wallace, W. Va. 26332
Mineral rights are owned by A Page Lockard, et al
Address Rt. 2, Briston, W. Va. 26332
Drilling Commenced 4-24-81
Drilling Completed 4-29-81
Initial open flow 735 M cu. ft. _____ bbls.
Final production 112M cu. ft. per day _____ bbls.
Well open 4 hrs. before test 1200#RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. XXXX 11-3/4"	24	24	To Surface
9 5/8			
8 5/8	612	612	To Surface
7			
5 1/2			
4 1/2	3899	3899	250 sks
3			
2			
Liners Used			

Well treatment details: FRAC. 5-18-81 Attach copy of cementing record.
Balltown, - 10000 80/100; 70,000 20/40; 170,000cu.ft. Nitrogen; 600 BBl water
Perf. 3805 ft. - 3830 ft.

Coal was encountered at 510 - 515 Feet _____ Inches _____
Fresh water 70' Feet _____ 1/2" stream _____ Salt Water _____ 1465 Feet _____
Producing Sand Balltown Depth 3805-3830

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Cond			0	24		
Shale			24	60		Water at 70' 1/2" stream
Sand			60	180		
Sand & Shale			180	285		
Sand			285	450		
Sand & Shale			450	510		
Coal			510	515		
Sand & Shale			515	740		Water @ 565' 4" stream
Sand			740	955		Water @ 740' 1/4" Stream
Sand & Shale			955	1275		
Sand			1275	1830		Water @ 1465' 2 1/2" Stream
L Lime			1830	1880		
R.R. Shale			1880	1890		
B Lime			1890	1890		
Sand			1890	2170		
Sand & Shale			2170	3090		Gas @ 2425 60/10 2" of water
Sand			3090	3345		
Sand & Shale			3345	3840		
Sand			3840	4001		

J & J Enterprises, Inc.
c/o Berry Energy Const. & Mgrs. Inc.
P.O. Box 5
Clarksburg, W. Va. 26301

(over)

* Indicates Electric Log tops in the remarks section.

BY: [Signature]



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JAN 15 1981

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Henry W. Davisson
Address Route #1, Wallace, WV, 26332
Mineral Owner A. Page Lockard, et al
Address Route #2, Bristol, W. Va. 26332
Coal Owner Pittston Coal Corporation
Address c/o Badger Coal Co., Philippi, WV
Coal Operator None
Address _____

DATE January 12, 1981
J & J Enterprises, Inc.
Company c/o Berry Energy Consultants, Inc.
Address Clarksburg, W. Va.
Farm A. Page Lockard, et al Acres 76.51
Location (waters) Rockcamp Run
Well No. B-421 Elevation 1215'
District Sardis County Harrison
Quadrangle WOLF SUMMIT 7.5'

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 9-30-81.

INSPECTOR
TO BE NOTIFIED Steve Casey
ADDRESS Rt., Box 232-D, Jane Lew, WV
PHONE 884-7470

Fred R. Burdett
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 1-25-80 19 by A. Page Lockard made to W. B. Berry and recorded on the 26th day of February 1980 in Harrison County, Book 1088 Page 1046

XXX 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 same day before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.
J & J Enterprises, Inc.

Very truly yours, c/o Berry Energy Consultants, Inc.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

(Sign Name) W B Berry
Well Operator

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address 308-309 Professional Building
of Clarksburg,
Well Operator Clarksburg,
City or Town West Virginia
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

47-033-2549

PERMIT NUMBER

ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO XXX DRILL _____ DEEPEN _____ FRACTURE STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME S. W. Jack Drilling Company NAME W. B. Berry
 ADDRESS Buckhannon, W. Va. ADDRESS Clarksburg, W. Va.
 TELEPHONE 472-9403 TELEPHONE 622-3450
 ESTIMATED DEPTH OF COMPLETED WELL: 4,000' ROTARY XXX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Balltown
 TYPE OF WELL: OIL _____ GAS XX 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			
12-3/4 11-3/4	30'	30'	To surface
9 - 5/8			
8 - 5/8	1000'	1000'	To surface
7			
5 1/2			
4 1/2	4000'	4000'	250 sks
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 65' FEET _____ SALT WATER None FEET _____
 APPROXIMATE COAL DEPTHS Various _____
 IS COAL BEING MINED IN THE AREA? None 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