



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION INTERSECTION ROUTES 13 AND 13 1/2 ELEVATION 1001'

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) Daniel L. Wheeler
 R.P.E. _____ L.L.S. 530



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



DATE JUNE 26th, 19 80
 OPERATOR'S WELL NO. B-362
 API WELL NO. 47 - 033 - 2527
 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 1212' WATER SHED SHINNS RUN
 DISTRICT CLAY COUNTY HARRISON
 QUADRANGLE CLARKSBURG 7.5' EC
 SURFACE OWNER ROBERT W. AND DAVID S. LOWE ACREAGE 101.81 Ac.
 OIL & GAS ROYALTY OWNER LEMUEL D. JARVIS, ET AL. LEASE ACREAGE 386.62 Ac.
 LEASE NO. 2067
 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 ALEXANDER ESTIMATED DEPTH 5500' gas + oil
 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 CLARKSBURG WEST VIRGINIA 26301



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JUL 27 1981

**Oil and Gas Division
WELL RECORD**

OIL & GAS DIVISION
DEPT. OF MINES

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

Quadrangle Clarksburg 7.5

Permit No. Harr-2527

~~J & J Enterprises %~~
Company ~~Berry Energy Consultants & Mgrs.~~
Address P.O. Box 5, Clarksburg, W. Va. 26301
Farm Lemuel D Jarvis, et al Acres 386.62
Location (waters) Shinn's Run
Well No. B-362 Elev. 1212'
District Clay County Harrison
The surface of tract is owned in fee by _____
Marjorie Anne S. Lowe, (Trustee)
Address Rt. 1, Box 174, Salem, W Va.
Mineral rights are owned by Lemuel D Jarvis, et al
216 S. Virginia Ave, Bridgeport, W. Va.
Drilling Commenced 4/6/81
Drilling Completed 4/14/81
Initial open flow 215M cu. ft. _____ bbls.
Final production Test Pending cu. ft. per day _____ bbls.
Well open 4 hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. XXXX 11-3/4"	28	28	To Surface
9 5/8			
8 5/8	1276	1276	To Surface
7			
5 1/2			
4 1/2	2822		185 Sks
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Fraced the 5th; Perforated bottom section, 2723-2728 - 13 holes. Used 26 Bbls water to disp acid. Perfed top section, 2680-2683 - 13 holes. 597 Bbls - 10,000 - 80/100 & 60,000 - 20/40. Used 15 perf balls 1 1/2" with acid. Perf balls broke formation & top sec. started sand. Used 717 Bbls. water - 10,000 - 80/100; 70,000 - 20/40. Nitrogen to clean up - 170,000 S C F (FRACED 5-4-81)

215 MCF

Coal was encountered at none Feet _____ Inches _____
Fresh water 30' Feet 2" stream Salt Water None Feet _____
Producing Sand Fifth Sands Depth 2680-2728

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Fill & Shale			0	10		
Sand			10	17		Water @ 17' - 3/4 stream
Mud			17	23		
Sand & Shale			23	163		Water @ 30' - 2" stream
Shale			163	169		
Sand			169	210		
Sand & Shale			210	310		
Sand			310	345		
Sand & Shale			345	400		
Sand			400	615		
Sand & Shale			615	775		
Sand			775	865		
Sand & Shale			865	895		
Sand			895	1045		
Sand & Shale			1045	1145		
Sand			1145	1240		
Sand & Shale			1240	1585		
Little Lime			1585	1610		
Big Lime			1610	1700		
Sand			1700	1810		
Sand & Shale			1810	2105		Gas ck @ 2105' - No trace
Sand			2105	2385		
Sand & Shale			2385	2480		
Sand			2480	2560		

3406

(over)

* Indicates Electric Log tops in the remarks section.

AUG 11 1981

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sand & Shale			2560	3145	Gas ck @ 2690 - 26/10 - 2" water	
Sand			3145	3260		
Sand & Shale			3260	4115	Gas ck @ 3280 - 22/10 - 2" water	
Sand			4115	4245		
Sand & Shale			4245	4525	Gas ck @ 4275 - 26/10 - 2" water	
Sand			4525	4620		
Sand & Shale			4620	4705	Gas ck @ 10 jt. down - 22/10 - 2" water	

J & J Enterprise %
Berry Energy Consultants & Mgrs
Suite 309 Professional Bldg.
Clarksburg, W. Va. 26301

BY: W. M. Berry

4705
3400

1305 EXPL. FT

Date _____, 19____

APPROVED _____, Owner

By _____
(Title)

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sand & Shale			2560	3145	Gas ck @ 2690 - 26/10 - 2" wat	
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4705
3400

1305 EXPL. FT

Date _____, 19____

APPROVED _____, Owner

By _____
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
DEC - 4 1980

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE September 15, 1980
Company J & J Enterprises, Inc.
Address c/o Berry Energy Consultants, Inc.
Clarksburg, W. Va.
Farm Lemuel D. Jarvis, et al Acres 386.62
Location (waters) Shinn's Run
Well No. B-362 Elevation 1212'
District Clay County Harrison
Quadrangle CLARKSBURG 7.5'

Surface Owner Marjorie Anne S. Lowe, (Trustee)
Address Route #1, Box 174, Salem, W. Va.
Mineral Owner Lemuel D. Jarvis, et al
Address 216 S. Virginia Ave., Bridgeport, WV
Coal Owner Clay Development, c/o Jack Anderson
Address P. O. Box 548, Shinnston, W. Va.
Coal Operator No Operations
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 8-19-81

INSPECTOR
TO BE NOTIFIED Paul Garrett
ADDRESS 321 Beech Street, Clarksburg, W. Va.
PHONE 622-3871

J. J. Murphy
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 4-7-79 1979 by Lemuel D. Jarvis, et al made to W. B. Berry and recorded on the 28th day of April 1979 in Harrison County, Book 1078 Page 1
XXXX 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.
(Sign Name) *J. J. Murphy*
Well Operator

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 3-8-309 Professional Building
Street
Clarksburg,
City or Town
West Virginia
State

BLANKET BOND

*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.

PROPOSED WORK ORDER TO XXXX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME S. W. Jack Drilling Company NAME W. B. Berry
 ADDRESS Buckhammon, W. VA. ADDRESS Clarksburg, W. Va.
 TELEPHONE 472-9403 TELEPHONE 622-3450
 ESTIMATED DEPTH OF COMPLETED WELL: 5400' ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Alexander
 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 PUT UP OR SACKS - CUBIC FT.
20 - 16			
13 x 19 11-3/4"	30'	30'	To surface
9 - 5/8			
8 - 5/8	1250'	1250'	To surface
7			
5 1/2			
4 1/2	5400'	5400'	⁵⁴⁰ 200 bags or eq.
3			Perf. Top <i>reqd. by rule</i>
2			Perf. Bottom <i>15'</i>
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 105' FEET _____ SALT WATER None FEET _____
 APPROXIMATE COAL DEPTHS Various
 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. 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 two weeks (14) days in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of completion 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