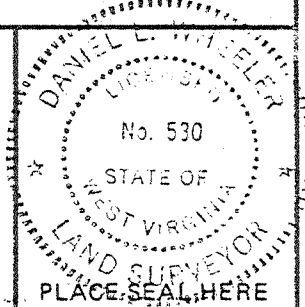


FILE NO. D.E. #1 PAGE 48
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION B.M. AT SALT WELL
ELEVATION 1001'

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 B. Wheeler
 R.P.E. _____ L.L.S. 530



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



DATE SEPTEMBER 9TH 19 80
 OPERATOR'S WELL NO. B-378
 API WELL NO. _____
47 - 033 - 2593
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1110' WATER SHED SHINN'S RUN
 DISTRICT CLAY COUNTY HARRISON
 QUADRANGLE CLARKSBURG 7.5' 15 EC
 SURFACE OWNER LYDA and PAUL RICHARDS ACREAGE 77.5 Ac.
 OIL & GAS ROYALTY OWNER LYDA RICHARDS, ET. UX. LEASE ACREAGE 77.5 Ac.
 LEASE NO. 2080
 PROPOSED WORK: DRILL X 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 BENSON ESTIMATED DEPTH 4900'
 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

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-2593

J & J Enterprise %

Company Berry Energy Consultants & Mgrs.
Address P.O. Box 5, Clarksburg, W. Va. 26301

Farm Lyda Richards, et al Acres 77.5

Location (waters) Shinn's Run

Well No. B-378 Elev. 1110'

District Clay County Harrison

The surface of tract is owned in fee by Lyda Richards, Sr. et al

Address 401 Lynn St., Shinnston, W. Va.

Mineral rights are owned by Same

Address Same

Drilling Commenced 5/11/81

Drilling Completed 5/17/81

Initial open flow 60M cu. ft. _____ bbls.

Final production Test Pending cu. ft. per day _____ bbls.

Well open 4 hrs. before test _____ RP.

Well treatment details:

Attach copy of cementing record.

TD: 4805; Ran 3428' - 4 1/2" pipe & cemented. Plug back from TD to 3428. Cemented plug 4700-4600' - 35 Sks. Set: 3 5/16 Baff. at 2674 - Set: 3 9/16 Baff. @ 2548; Cemented 3 stages.

Balltown; 10,000 - 80/100 - 50,000 - 20/40 - 556 Bbls. Perf. 3314-3319, 13 holes

Fifth Sand; 10,000 - 80/100 - 70,000 0 20/40 - 172,000 SCFN, 690 Bbls. Perf. 2620-2644 14 holes

Fourth Sand; 10,000 - 80/100 - 50,000 - 20/40 - 100,000 SCFN, 385 Bbls. Perf. 2518-2521 13 holes

fraced three zones (FRACED 6-1-81)

Coal was encountered at 132-135, 281-285 & 865-869 Feet

Fresh water 420' Feet 1" stream Salt Water None Inches 60MCF Feet

Producing Sand Balltown, 4th & 5th Sands Depth 4710

3314-19 2518-21 2620-44

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Cond			0	20		
Sand & Shale			20	30		
Sand			30	80		55' - Damp
Sand & Shale			80	85		
Sand			85	132		
Coal			132	135		
Sand & Shale			135	175		
Sand			175	260		
Sand & Shale			260	281		
Coal			281	285		
Sand			285	325		
Sand & Shale			325	410		
Sand			410	430		Water @ 420' - 1" - water
Sand & Shale			430	680		
Sand			680	805		
Sand & Shale			805	865		
Coal			865	869		
Sand & Shale			869	911		
Sand			911	1110		
Sand & Shale			1110	1215		
Shale			1215	1480		Water @ 1165 - 1 1/2" Stream
Little Lime			1480	1500		
Shale & Red Rock			1500	1515		
Big Lime			1515	1580		
Sand			1580	1690		

(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			1690	2215		
Sand			2215	2480		
Sand & Shale			2480	3005		
Sand			3005	3035	Gas ck @ 2695'	- No Trace
Sand & Shale			3035	3295	Gas ck @ 3030	- No trace
Sand			3295	3335		
Sand & Shale			3335	4465	Gas ck @ 3500	- No trace
Brown Sand			4465	4475	Gas ck @ 4240	- 2/10 water
Sand & Shale			4475	4660		
Brown Sand		<i>Benson?</i>	4660	4675		
Sand & Shale			4676	4805	Gas ck @ 4710'	- 2/10 - 2" water
					Gas ck @ 10 jts down	- 2/10 - 2" water
						<p>J & J Enterprise % Berry Energy Consultants & Mgrs. Suite 309 Professional Bldg. Clarksburg, W. Va. 26301</p>
						<p>BY: <u><i>W. D. Berry</i></u></p>

Date _____, 19____

APPROVED _____, Owner

By _____

(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
APR 13 1981

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION
DEPT. OF MINES

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

Surface Owner Lyda Richards, Sr. et al
Address 401 Lynn St., Shinnston, WV
Mineral Owner Same
Address _____
Coal Owner Clay Development Company
Address Box 518, Shinnston, WV
Coal Operator None
Address _____

DATE April 2, 1981
J & J Enterprises, Inc.
Company c/o Berry Energy Consultants, Inc
Address Clarksburg, W. Va.
Farm Lyda Richards, et al Acres 77.5
Location (waters) Shinn's Run
Well No. B-378 Elevation 1110
District Clay County Harris
Quadrangle CLARKSBURG 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 12-28-81.

INSPECTOR
TO BE NOTIFIED Stephen Casey
ADDRESS Jane Lew, W. Va.
PHONE 884-7470

J. J. Hargis
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
title thereto, (or as the case may be) under grant or lease dated 5-24-79 19 79 by Lyda Richards
Sr., et al made to W. B. Berry and recorded on the 6th day of June
19 79 in Harrison County, Book 1079 Page 548

xxx NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULAT
 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) *W. B. Berry*
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

OFFICE OF OIL AND GAS
1615 Washington Street, East
Charleston, West Virginia
Area Code 304 -348-3092 348-3096

Address of Well Operator 308-309 Professional Building
Street
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
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

47-033-2593 PERMIT NUMBER

"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 _____

THIS IS AN ESTIMATE ONLY
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 _____ TELEPHONE 622-3450
 ESTIMATED DEPTH OF COMPLETED WELL: 4900' ROTARY xxx CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 TYPE OF WELL: OIL _____ GAS xxx COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10 <u>11-3/4"</u>	<u>30'</u>	<u>30'</u>	<u>To surface</u>
9 - 5/8			
8 - 5/8	<u>1000'</u>	<u>1000'</u>	<u>To surface</u>
7			
5 1/2			
4 1/2	<u>4900</u>	<u>4900'</u>	<u>250 sks</u>
3			<u>Perf. Top</u>
2			<u>Perf. Bottom</u>
Liners			<u>Perf. Top</u>
			<u>Perf. Bottom</u>

APPROXIMATE FRESH WATER DEPTHS 75 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. 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.