

0.105  
3.40W

LATITUDE

39° 10' 00" -15'

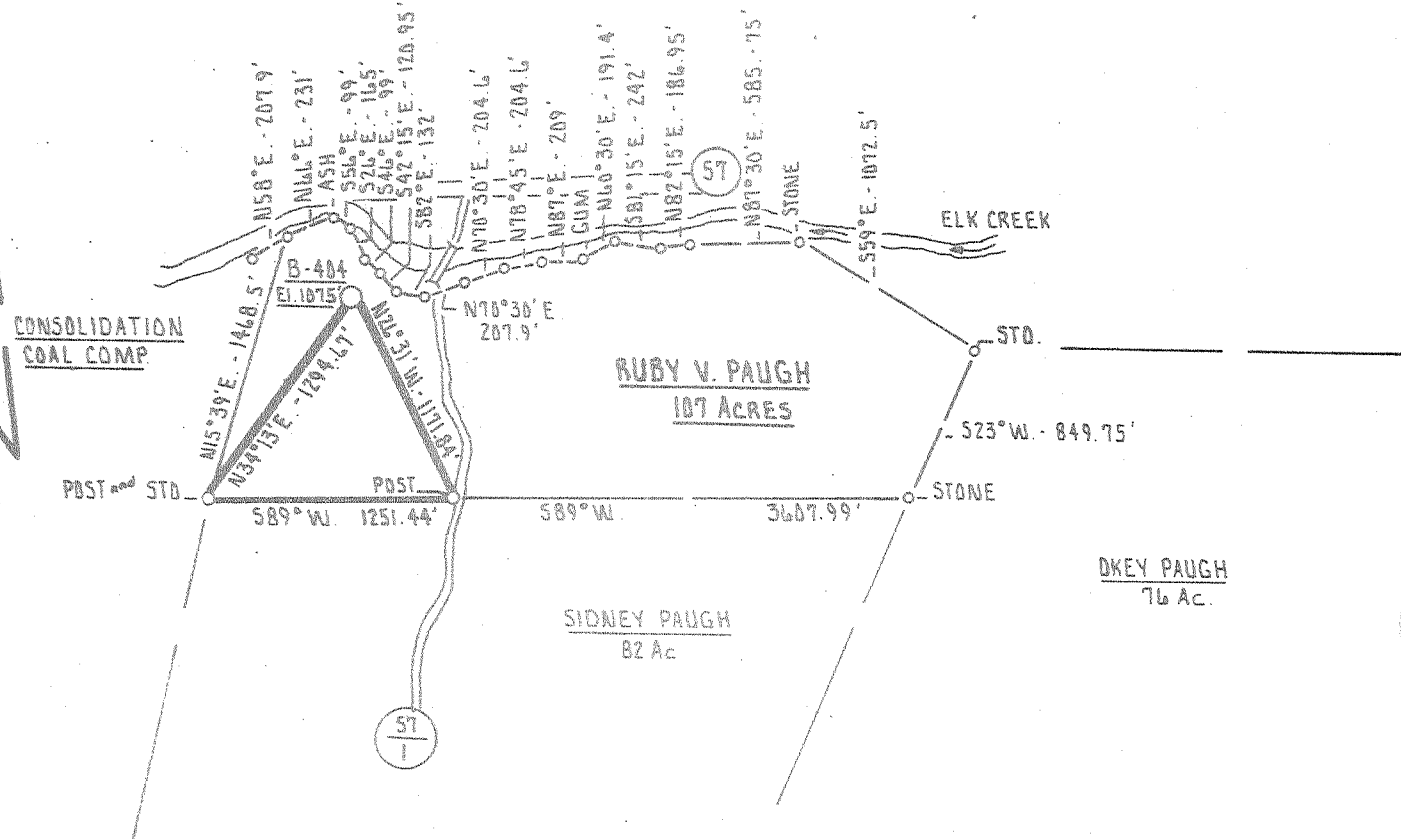


39 09 55  
80 12 45

NORTH

LONGITUDE 80° 12' 30" -7.5'

80 10' -15'



FILE NO. D.E. #1 PAGE L3  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION BRIDGE OVER ELK CREEK ON RT. 57/1 ELEV. 1023'

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. Woodson  
 R.P.E. \_\_\_\_\_ L.L.S. 530



PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6 (8-78)



DATE OCTOBER 7<sup>th</sup>, 19 80  
 OPERATOR'S WELL NO. B-404  
 API WELL NO. \_\_\_\_\_  
47 - 001 - 1478  
 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 1015' WATER SHED ELK CREEK  
 DISTRICT ELK COUNTY BARBOUR  
 QUADRANGLE BROWNTON 1.5' Phillips 15' WC  
 SURFACE OWNER RUBY VIRGINIA PAUGH ACREAGE 107 Ac.  
 OIL & GAS ROYALTY OWNER RUBY VIRGINIA PAUGH LEASE ACREAGE 107 Ac.  
 LEASE NO. 2157  
 PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

6-4 PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_ ELK CR (OVERFIELD)  
 TARGET FORMATION BENSON ESTIMATED DEPTH 4400'  
 WELL OPERATOR J & J ENTERPRISES INC. DESIGNATED AGENT BERRY ENERGY CONSULTANTS and MANAGERS INC.  
 ADDRESS 309 BERRY ENERGY CONSULTANTS and MANAGERS INC. ADDRESS SUITE 309 PROFESSIONAL BUILDING DEC  
SUITE 309 PROFESSIONAL BLDG; CLARKSBURG, W.Va. 26301 CLARKSBURG, WEST VIRGINIA 26301 /JFJ



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division  
WELL RECORD

RECEIVED  
MAY 18 1981  
OIL & GAS DIVISION  
DEPT. OF MINES

Quadrangle BROWNTON

Permit No. BAR-1478

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

Company J & J Enterprises, Inc.  
c/o Berry Energy Cons. & Mgrs., Inc.  
Address P. O. Box 5, Clarksburg, WV 26301  
Farm Ruby Virginia Paugh Acres 107  
Location (waters) Elk Creek  
Well No. B-404 Elev. 1075'  
District Elk County Barbour  
The surface of tract is owned in fee by Ruby V. Paugh  
Rt. #1, Philippi, WV  
Address \_\_\_\_\_  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling Commenced 1-12-81  
Drilling Completed 1-19-81  
Initial open flow 198 M cu. ft. \_\_\_\_\_ bbls.  
Final production 730 M cu. ft. per day \_\_\_\_\_ bbls.  
Well open 4 hrs. before test 1275 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond. 11-3/4"			
13-10"			
9 5/8			
8 5/8	925	925	To surface
7			
5 1/2			
4 1/2	4287	4287	185 Bags
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

2-14-81 Water Frac- Benson, 10,000#, 80/100; 50,000#, 20/40; Perf. 4166-4181; TF-530  
Riley, 10,000#, 80/100; 50,000#, 20/40. Perf - 3232-3945 TF-594  
Balltown, 10,000#, 80/100; 50,000#, 20/40. Perf. - 3401-34-9. TF - 581  
Speechley, 10,000#, 80/100; 40,000#, 20/40. Perf. - 3103-06. TF - 551

Coal was encountered at 140-143 547-550 Feet \_\_\_\_\_ Inches  
375-379  
Fresh water 180 Feet 2 to 2 1/2" stream Salt Water: 1795 Feet \_\_\_\_\_  
Producing Sand Benson, Riley, Balltown, Speechley Depth 4413

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			0	40		Damp @140
Sand			40	80		Water
Sand & Shale			80	140		Salt Water
Coal			140	143		
Sand			143	292		
Sand & Shale			292	375		
Coal			375	379		
Sand			379	470		Gas @3013
Sand & Shale			470	547		
Coal			547	550		Gas @3605
Sand & Shale			550	725		
Sand			725	965		
Shale & Red Rock			965	1280		
Lime			1280	1295		
Shale			1295	1330		
Big Lime			1330	1443		
Sand & Shale			1443	1896		
Sand & Shale			1896	2300		

(Con'd on back page)

J & J Enterprises, Inc.  
c/o Berry Energy Cons. & Mgrs., Inc.  
P. O. Box 5  
Clarksburg, WV 26301

By: [Signature]

(over)

\* Indicates Electric Log tops in the remarks section.

WV 7 1111

Sand & Shale	2300	2570
Sand & Shale	2570	2985
Sand & Shale	2985	3400
Sand & Shale	3400	3947
Sand & Shale	3947	4200
Benson	4200	4210
Shale	4210	4413
Total Depth		4413



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
NOV - 3 1980

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION  
DEPARTMENT OF MINES

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

Surface Owner Ruby V. Paugh  
Address Rt. #1, Philippi, WV  
Mineral Owner Same  
Address \_\_\_\_\_  
Coal Owner Same  
Address \_\_\_\_\_  
Coal Operator No Operations  
Address \_\_\_\_\_

DATE October 21, 1980  
J & J Enterprises, Inc.  
Company c/o Berry Energy Consultants, Inc.  
Address Clarksburg, W. Va. 622-3450  
Farm Ruby Virginia Paugh Acres 107  
Location (waters) Elk Creek  
Well No. B-104 Elevation 1075'  
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 7-13-81

INSPECTOR  
TO BE NOTIFIED Robert Stewart  
ADDRESS P.O. Box 345, Jane Lew, WV  
PHONE 884-7782

[Signature]  
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 3-12-80 19   by Ruby V. Paugh made to W. B. Berry and recorded on the 13th day of June 1980 in Barbour County, Book 84 Page 115

~~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.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

Very truly yours,  
(Sign Name) W. B. Berry / ps  
Well Operator

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 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

47-001-1478 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 xxxx 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: 1100' ROTARY xxxx 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 III UP OR SACKS - CUBIC FT.
20 - 16			
<del>10-5/8</del> 11-3/4"	30'	30'	To surface
9 - 5/8			
8 - 5/8	1100'	1100'	To surface
7			
5 1/2			
4 1/2	1100'	1100'	185 sks
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 95' 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.

\_\_\_\_\_  
For Coal Company