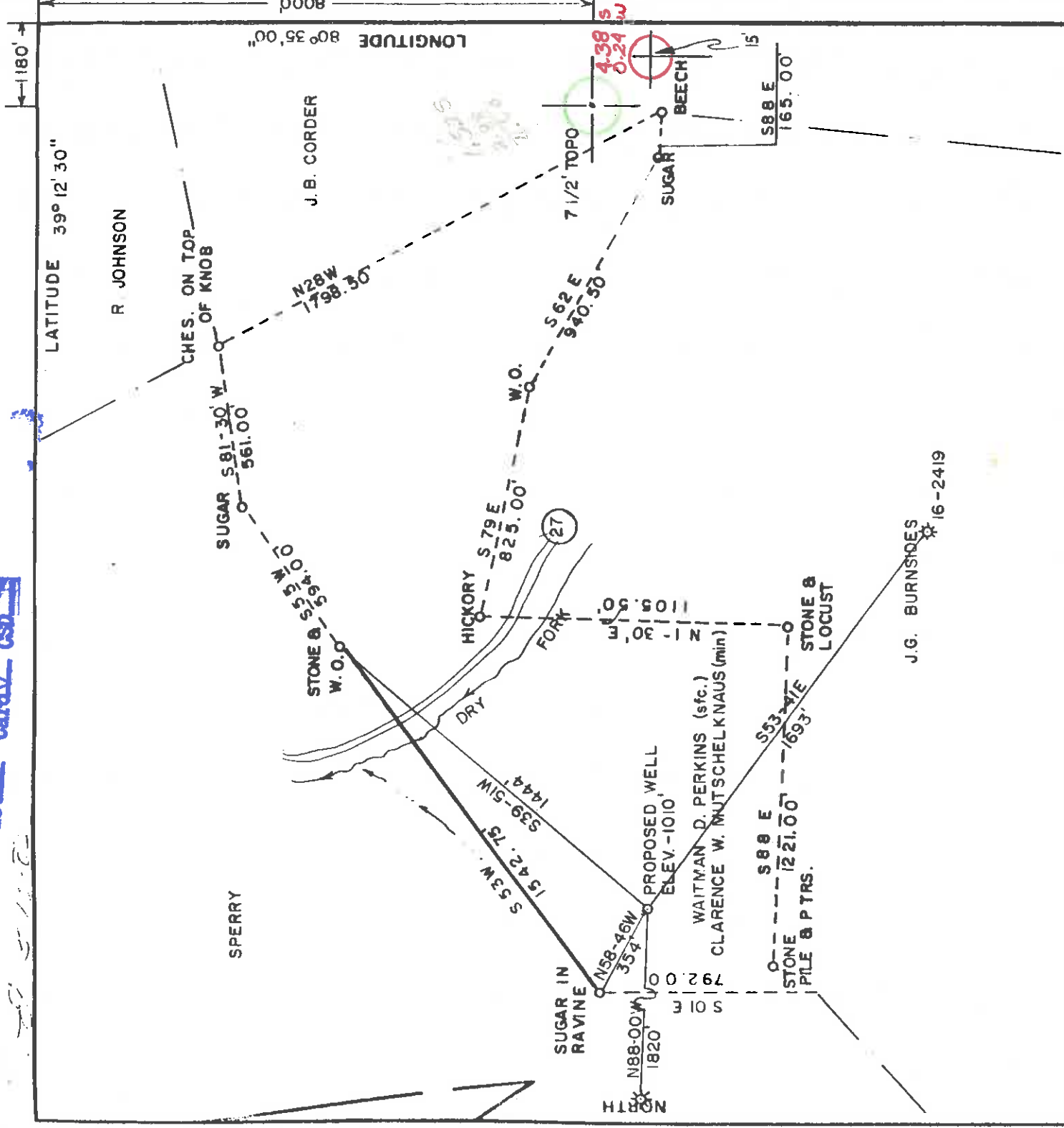


Plot Card CSD



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF \_\_\_\_\_  
 ACCURACY 1/10 200  
 PROVEN SOURCE OF \_\_\_\_\_  
 ELEVATION USGS BM 947 J.T.  
 RTS 25 & 27 BIG ISAAC QUAD.

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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) Wayne C. Perkins  
 R.P.E. 16-2419 L.L.S. 624  
*Nocton Surveys & Consulting, Inc.*

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



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 1010' WATER SHED DRY FORK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE BIG ISAAC Daddy 15' NC  
 SURFACE OWNER WAITMAN D. PERKINS ACREAGE 29  
 OIL & GAS ROYALTY OWNER CLARENCE W. MUTSCHELKNAUS LEASE ACREAGE 72  
 LEASE NO. KW-490

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

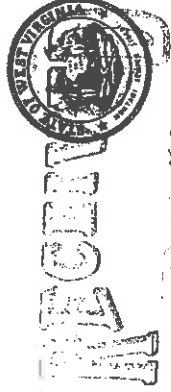
PLUG AND ABANDON  CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5900'  
 OPERATOR KEPCO INC. DESIGNATED AGENT E.L. STUART

PLACE SEAL HERE

DATE MARCH 18, 19 83  
 OPERATOR'S WELL NO. MUTSCHELKNAUS - I WK-86  
 API WELL NO. 47-017  
 STATE COUNTY PERMIT 3217

DODD, 3217

1) Date: March 13, 1984  
 2) Operator's Well No. Mutchelknaus #1-WK-86  
 3) API Well No. 47-017-3217-REN  
 State County Permit



APR 10 1984  
 DEPARTMENT OF WEST VIRGINIA  
 STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION  
 APPLICATION FOR A WELL WORK PERMIT

DEPT. OF MINES

4) WELL TYPE: A Oil / Gas / Undergrnd storage / Deep / Shallow X  
 B (If "Gas", Production / Watershed: Dry Fork  
 Elevation: 1010' / County: Doddridge / Quadrangle: Big Issac 7.5 min.  
 District: Greenbrier / 7) DESIGNATED AGENT R. L. Stuart  
 6) WELL OPERATOR: KEPCO, Inc. / Address: P. O. Box 1550  
 436 Blvd. of the Allies / Pittsburgh, PA 15219 / Clarksburg, WV 26301

8) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name: Stephen Casey / Address: Route 2, Box 232-D  
 Jane Lew, WV 26378

10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill X / Stimulate X  
 Plug off old formation / Perforate new formation

11) GEOLOGICAL TARGET FORMATION, Devonian Shale  
 12) Estimated depth of completed well, 5900 feet  
 13) Approximate true depths: Fresh, 130 feet; salt, -- feet.  
 14) Approximate coal seam depths: 160' & 564' Is coal being mined in the area? Yes No X

15) CASING AND TUBING PROGRAM

| CASING OR TUBING TYPE | SPECIFICATIONS |       |                | FOOTAGE INTERVALS |              | CEMENT FILL-UP OR SACKS (Cubic feet)    | PACKERS       |
|-----------------------|----------------|-------|----------------|-------------------|--------------|---|---------------|
|                       | Size           | Grade | Weight per ft. | For drilling      | Left in well |   |               |
| Conductor             | 13-16"         |       |                | 20'               | 20'          | Cmt. to Surf.                           | Kinds         |
| Fresh water           |                |       |                |                   |              |   |               |
| Coal                  | 8-5/8"         |       |                | 1150'             | 1150'        | Cmt. to Surf.                           | Sizes         |
| Intermediate          |                |       |                |                   |              |   |               |
| Production            | 4-1/2"         |       |                | 5900'             | 5900'        | Cmt. to 300'                            | Depths set    |
| Tubing                |                |       |                |                   |              | Above producing horizon or as req'd. by | Perforations: |
| Liners                |                |       |                |                   |              | Rule 15.01                              | Top Bottom    |

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-017-3217-REN Date May 4, 1984

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof. Permit expires May 4, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

|       |        |       |        |        |
|-------|--------|-------|--------|--------|
| Bond: | Agent: | Plat: | Casing | Fee    |
| BANK  | MW     | MW    | MW     | \$3213 |

*[Signature]*

Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator. File





STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL AND GAS DIVISION  
OIL AND GAS WELL PERMIT APPLICATION

1) Date: April 12, 19 87  
2) Operator's Well No. RUZSCHWALD 03  
3) API Well No. 47 State West Virginia County Putnam Permit

DRILLING CONTRACTOR: \_\_\_\_\_

4) WELL TYPE: A Oil \_\_\_\_\_ / Gas \_\_\_\_\_ / B (If "Gas", Production \_\_\_\_\_)  
5) LOCATION: Elevation: 1000' / Undergrnd storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow \_\_\_\_\_  
Watershed: Putnam / County: Putnam / Quadrangle: \_\_\_\_\_

6) WELL OPERATOR \_\_\_\_\_  
Address \_\_\_\_\_  
11) DESIGNATED AGENT \_\_\_\_\_  
Address \_\_\_\_\_

7) OIL & GAS ROYALTY OWNER \_\_\_\_\_  
Address \_\_\_\_\_  
12) COAL OPERATOR \_\_\_\_\_  
Address \_\_\_\_\_

8) SURFACE OWNER \_\_\_\_\_  
Address \_\_\_\_\_  
13) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

9) FIELD SALE (IF MADE) TO: \_\_\_\_\_  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_

10) OIL & GAS INSPECTOR TO BE NOTIFIED  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
14) COAL LESSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

15) PROPOSED WORK: Drill \_\_\_\_\_ / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Fracture or stimulate \_\_\_\_\_  
Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
Other physical change in well (specify) \_\_\_\_\_

16) GEOLOGICAL TARGET FORMATION, \_\_\_\_\_ feet  
17) Estimated depth of completed well, \_\_\_\_\_ feet  
18) Approximate water strata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.  
19) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_ No \_\_\_\_\_

20) CASING AND TUBING PROGRAM

21) EXTRACTION RIGHTS  
Check and provide one of the following:  
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.  
 The requirement of Code 22-4-1(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS  
Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes  No   
If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.  
23) Required Copies (See reverse side.)  
24) Copies of this Permit Application and the enclosed plat and reclamaion plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

| CASING OR TUBING TYPE | SPECIFICATIONS |       |                | FOOTAGE INTERVALS |              | CEMENT FILL-UP OR SACKS (Cubic feet) | PACKERS       |
|-----------------------|----------------|-------|----------------|-------------------|--------------|--------------------------------------|---------------|
|                       | Size           | Grade | Weight per ft. | Left in well      | For drilling |                                      |               |
| Conductor             | 24" / 20'      |       |                |                   |              |                                      | Kinda         |
| Fresh water           |                |       |                |                   |              |                                      | Size          |
| Coal                  | 24" / 20'      |       |                |                   |              |                                      | Depth set     |
| Intermediate          |                |       |                |                   |              |                                      | Perforations: |
| Production            |                |       |                |                   |              |                                      | Top           |
| Tubing                |                |       |                |                   |              |                                      | Bottom        |
| Liners                |                |       |                |                   |              |                                      |               |

Notary: \_\_\_\_\_ Signed: \_\_\_\_\_  
My Commission Expires \_\_\_\_\_ Its: \_\_\_\_\_

Permit number \_\_\_\_\_ Date \_\_\_\_\_

OFFICE USE ONLY  
**DRILLING PERMIT**

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires \_\_\_\_\_ unless drilling is commenced prior to that date and prosecuted with due diligence.  
Bond: \_\_\_\_\_ Agent: \_\_\_\_\_ Plat: \_\_\_\_\_ Casing \_\_\_\_\_ Fee \_\_\_\_\_

NOTE: Keep one copy of this permit posted at the drilling location.

Administrators, Office of Oil and Gas

Geological Survey

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs; "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.  
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
  - (1) A brief description of the tract of land including the district and county wherein the tract is located;
  - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
  - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
  - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(g) and 22-4-11(e).
- 23) Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
- 24) **The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.**

.....  
The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

**WAIVER**

The undersigned coal operator \_\_\_\_\_ / owner \_\_\_\_\_ / lessee \_\_\_\_\_ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: \_\_\_\_\_, 19\_\_\_\_ By \_\_\_\_\_  
Its \_\_\_\_\_