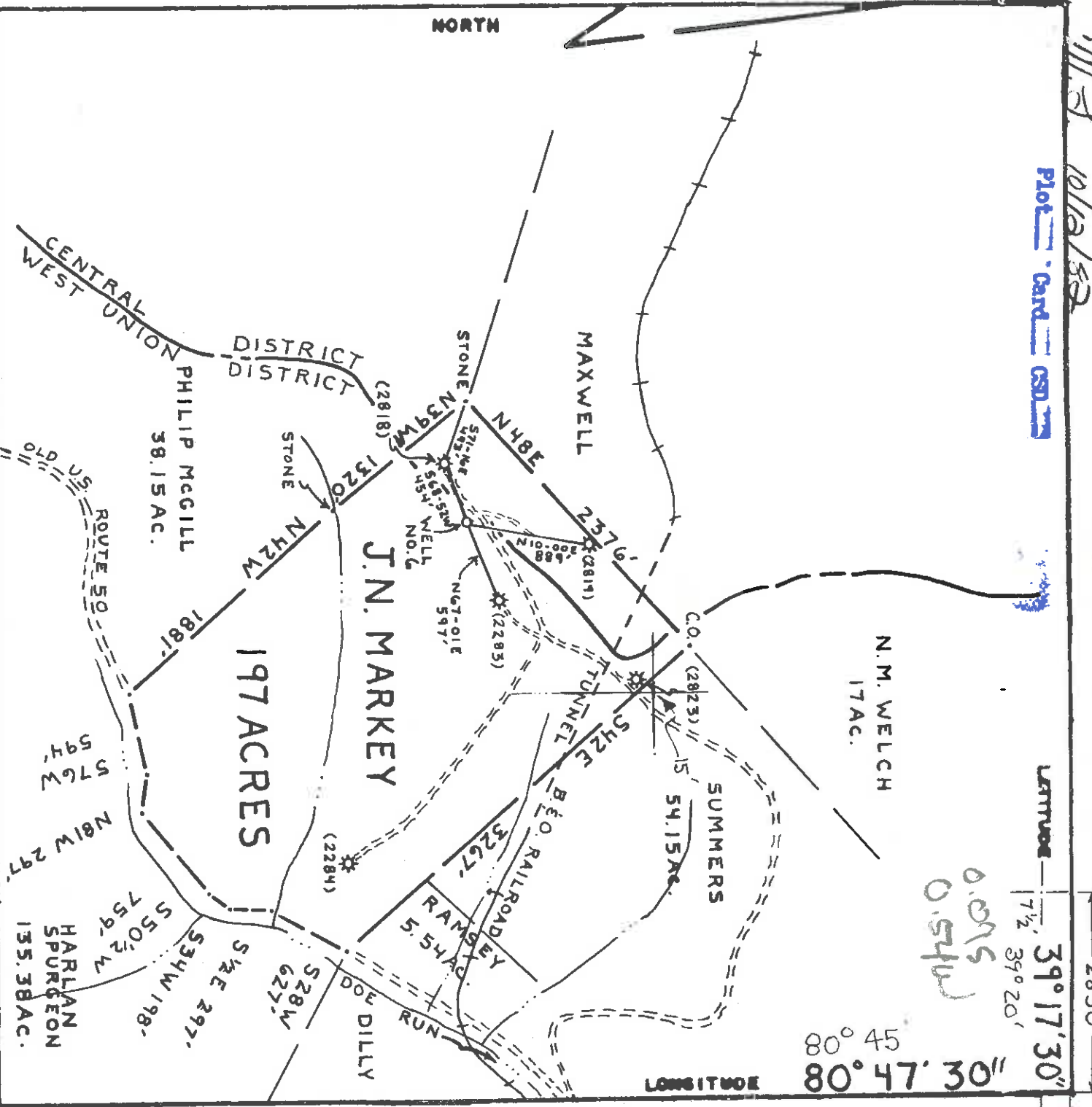
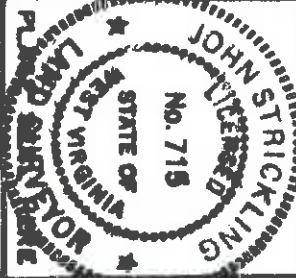


0.095  
0.540



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION HIGH KNOB ELEV. 1278'

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) *John Strickling* L.L.S. No. 715  
 STATE OF WEST VIRGINIA



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS FORM IV-6 (8-79)

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 DATE 25 AUGUST 19 82  
 OPERATOR'S WELL NO. 6  
 API WELL NO. 47-017-3155P  
 STATE COUNTY PERMIT



WELL TYPE: OIL X GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS", PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1175 WATER SHED \_\_\_\_\_ DOE RUN \_\_\_\_\_  
 DISTRICT WEST UNION COUNTY DODDRIDGE  
 SURFACE OWNER KENNETH POWELL ACREAGE 224.85  
 OIL & GAS ROYALTY OWNER J.N. MARKEY LEASE ACREAGE 197  
 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 COW RUN ESTIMATED DEPTH 850'  
 DRILL OPERATOR KEY OIL, INC. DESIGNATED AGENT JOE MCLAUGHLIN  
 ADDRESS P.O. BOX 709 ADDRESS P.O. BOX 709  
 SPENCER, W.VA. 25276 SPENCER, W.VA. 25276

1983

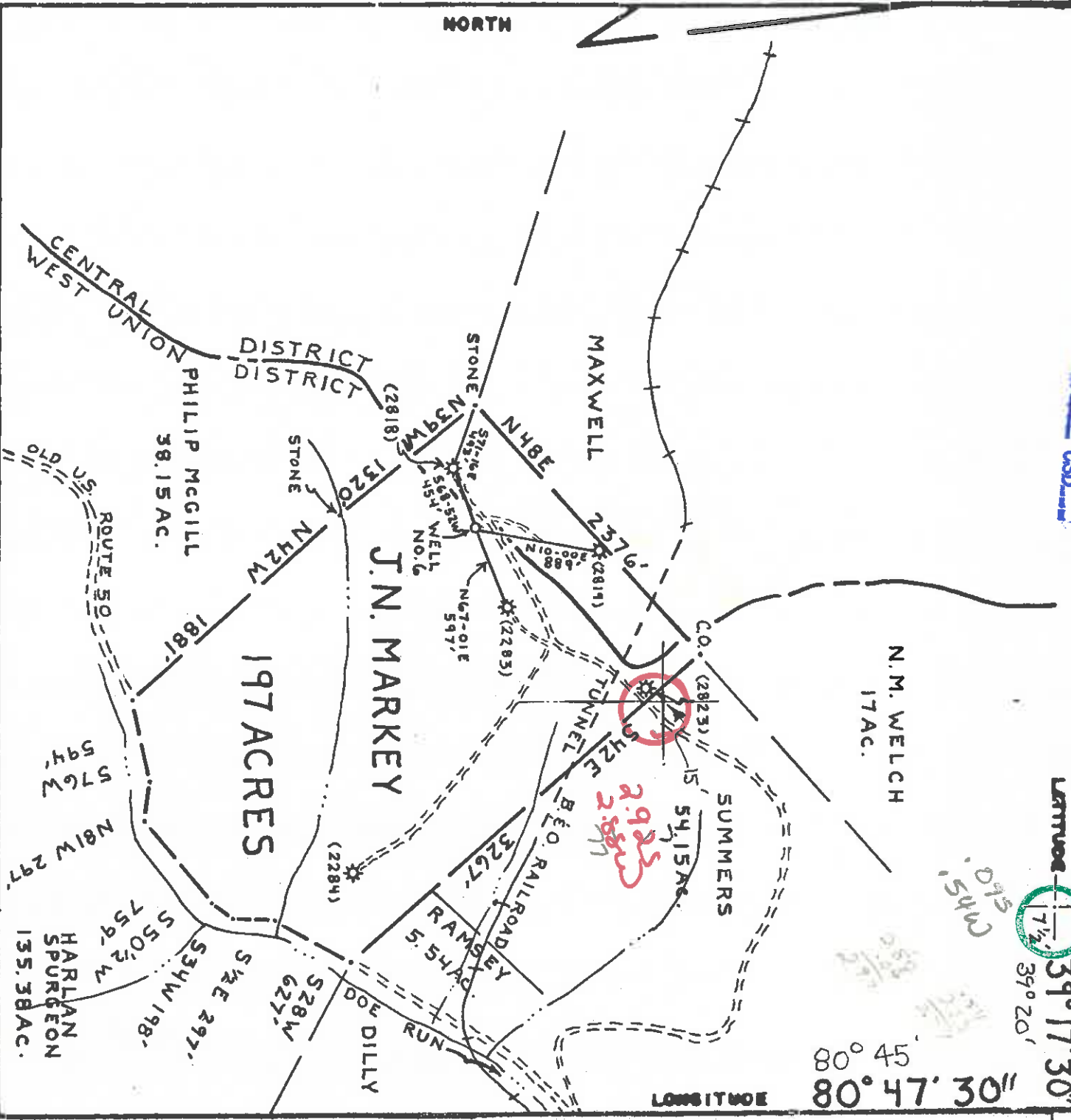
M.A. Walker

OSD

2830'



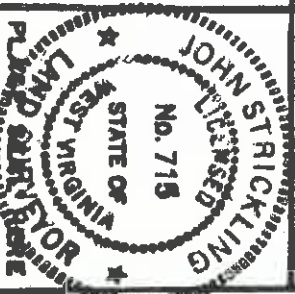
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Longitude  $80^{\circ}47'30''$



FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 1000'  
MINIMUM DEGREE OF ACCURACY 1/200'  
PROVEN SOURCE OF ELEVATION HIGH KNOB ELEV. 1278'

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

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) *John Strickling* L.P.E. L.L.S. 715



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

DATE 25 AUGUST, 19 82  
OPERATOR'S WELL NO. 6  
API WELL NO. 47-017  
STATE COUNTY PERMIT 3/55

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
(IF "GAS", PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
LOCATION: ELEVATION 1175 WATER SHED \_\_\_\_\_ DOE RUN \_\_\_\_\_  
DISTRICT WEST UNION COUNTY DODDRIDGE  
QUADRANGLE WEST UNION W.VA. 7 1/2' 4151 SE  
SURFACE OWNER KENNETH POWELL ACREAGE 224.85  
OIL & GAS ROYALTY OWNER J.N. MARKEY LEASE ACREAGE 197

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 COW RUN ESTIMATED DEPTH 850'  
WELL OPERATOR KEY OIL, INC. DESIGNATED AGENT JOE MCLAUGHLIN  
ADDRESS P.O. BOX 709 ADDRESS P.O. BOX 709  
SPENCER, W.VA. 25276 SPENCER, W.VA. 25276

LEASE NO. \_\_\_\_\_  
DATE \_\_\_\_\_, 19 \_\_\_\_  
OPERATOR'S WELL NO. \_\_\_\_\_  
API WELL NO. \_\_\_\_\_  
STATE COUNTY PERMIT \_\_\_\_\_

DATE 25 AUGUST, 19 82  
OPERATOR'S WELL NO. 6  
API WELL NO. 47-017  
STATE COUNTY PERMIT 3/55

OCT 18 1982



1) Date: October 11, 1982  
 2) Operator's Well No. 6 State WV County Putnam Permit 2153  
 3) API Well No. 47 State WV County Putnam Permit 2153

DRILLING CONTRACTOR:  
Beacon Drilling Co.

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

4) WELL TYPE: A Oil  Gas  B (If "Gas", Production  Underground storage  Deep  Shallow )  
 Elevation: 1115 Watershed: Putnam

5) LOCATION: District: West Virginia County: Putnam Quadrangle: West Putnam T-3  
 6) WELL OPERATOR Beacon Drilling Co. Address: 100 Box 709  
 11) DESIGNATED AGENT Beacon Drilling Co. Address: 100 Box 709

7) OIL & GAS ROYALTY OWNER J.S. Jarney Address: Washington, Kentucky  
 12) COAL OPERATOR None Address: None

8) SURFACE OWNER Putnam County Address: Putnam County, W.V.  
 13) COAL OWNER(S) WITH DECLARATION ON RECORD: Putnam County Address: Putnam County, W.V.

9) FIELD SALE (IF MADE) TO: None Name: None Address: None  
 Address: None

10) OIL & GAS INSPECTOR TO BE NOTIFIED None Name: None Address: None  
DEPT. OF MINES

15) PROPOSED WORK: Drill  Drill deeper  Redrill  Fracture or stimulate   
 Plug off old formation  Perforate new formation

16) GEOLOGICAL TARGET FORMATION, None Other physical change in well (specify) None  
 17) Estimated depth of completed well, None feet  
 18) Approximate water strata depths: Fresh, None feet; salt, None feet.  
 19) Approximate coal seam depths: None Is coal being mined in the area? Yes  No

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	Size	Grade	SPECIFICATIONS		New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
			Weight per ft.	Per ft.			Left in well	Right in well		Kind	Depth set
Conductor											
Fresh water											
Coal											
Intermediate											
Production											
Tubing											
Liners											

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

23) If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.  
 24) Copies of this Permit Application and the enclosed plat and reclamation 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.

Notary: None Signed: None Date: None  
 My Commission Expires None Its: None

OFFICE USE ONLY  
**DRILLING PERMIT**  
 Permit number: None Date: None

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 None unless drilling is commenced prior to that date and prosecuted with due diligence.  
 Bond: None Agent: None Plat: None Casing Fee: None Date: None  
 Administrator, Office of Oil and Gas

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(a) 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 owners, and coal leasee 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 \_\_\_\_\_

