

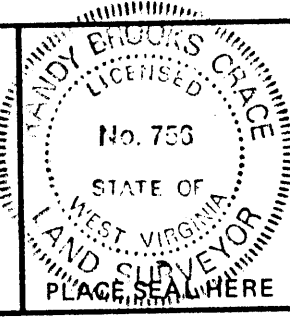
**LEGEND**  
 ○ -PROPERTY CORNER PER SURVEY  
 ● -PROPERTY CORNER PER DEED  
 410-B -TAX PARCEL  
 FND -FOUND

A- S 19° 08' E - 75.6'  
 B- N 66° 02' W - 744.9'  
 C- S 62° 00' E - 797.5'

REVISED: SEPT. 24, 1984

FILE NO. 6-8212  
 DRAWING NO. ONE OF ONE  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION GAS WELL  
WOOD 927 ELEV. 937'

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) Randy Brooks Crace  
 R.P.E. \_\_\_\_\_ L.L.S. 756 W.V.A.



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE JANUARY 13, 1983  
 OPERATOR'S WELL NO. 2  
 API WELL NO. 47-107-1251-1  
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WELL TYPE: OIL ✓ GAS ✓ LIQUID INJECTION ✓ WASTE DISPOSAL ✓  
 (IF "GAS,") PRODUCTION ✓ STORAGE ✓ DEEP ✓ SHALLOW ✓  
 LOCATION: ELEVATION 932.6 WATER SHED BIG RUN OF OHIO RIVER  
 DISTRICT WILLIAMS COUNTY WOOD  
 QUADRANGLE VALLEY MILLS 7 1/2" QUAD.

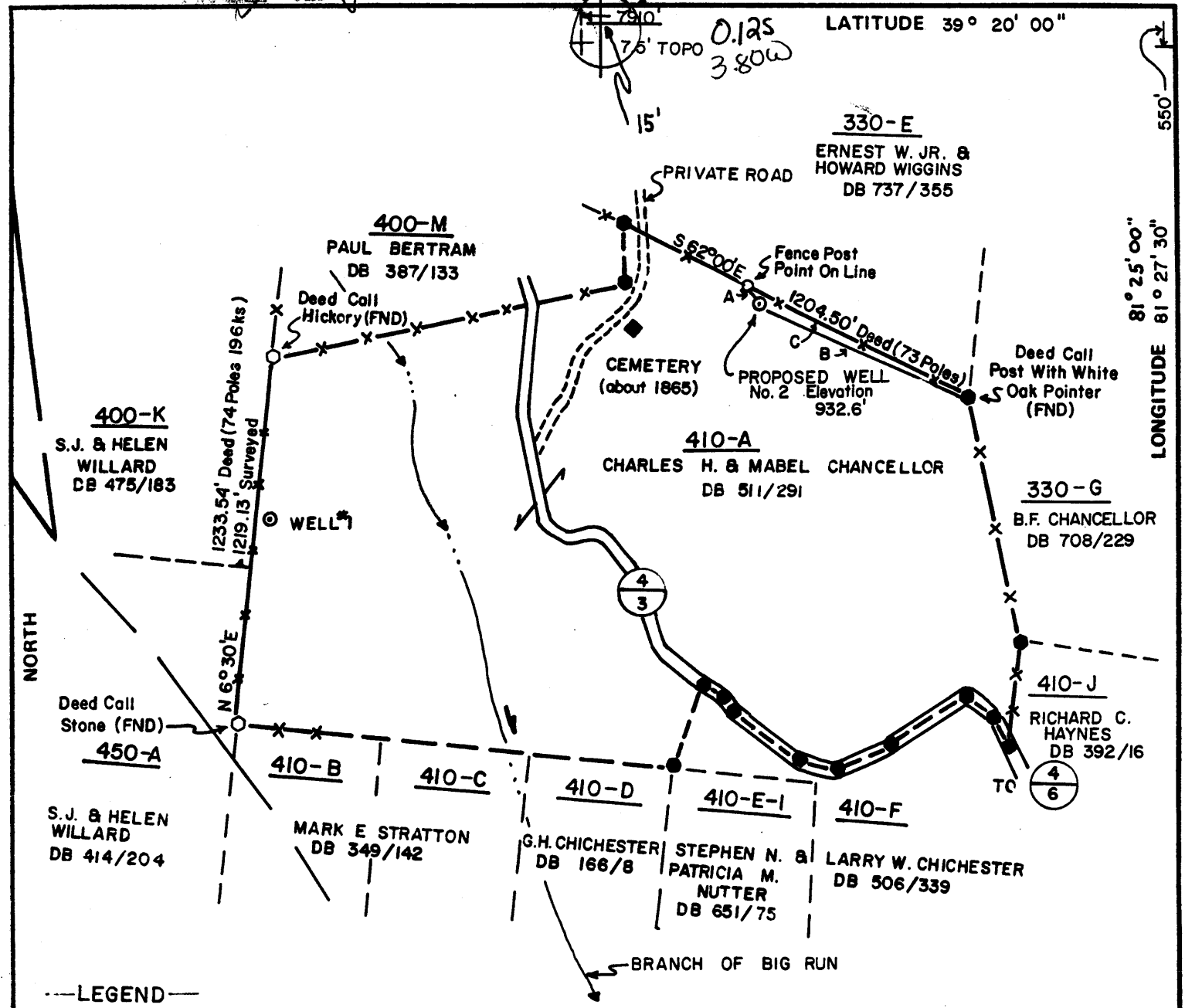
SURFACE OWNER CHARLES H. & MABEL CHANCELLOR, et al ACREAGE 80  
 OIL & GAS ROYALTY OWNER ODA S. HEINLEIN, CHARLOTTE & LOUIS MANDALARI ACREAGE 80  
 LEASE NO. LEASE BOOK 766 p.28, 767 p. 653

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 MARCELLUS ESTIMATED DEPTH 4,700'  
 WELL OPERATOR PHOENIX GAS & OIL EXPL., INC. DESIGNATED AGENT RICHARD SCHARF  
 ADDRESS 655 3rd AVENUE ADDRESS P.O. BOX 1109  
NEW YORK, NEW YORK, 10017 MORGANTOWN, WVA 26507

NOV 7 1986

WOOD 1251



---LEGEND---

- -PROPERTY CORNER PER SURVEY
- -PROPERTY CORNER PER DEED
- 410-B-TAX PARCEL
- FND -FOUND

- A- S 19° 08' E - 75.6'
- B- N 66° 02' W - 744.9'
- C- S 62° 00' E - 797.5'

FILE NO. 6-8212  
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 SCALE 1" = 500'  
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 (SIGNED) Randy Brooks Peace  
 R.P.E. \_\_\_\_\_ L.L.S. 756 W.V.A.



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE JANUARY 13, 1983  
 OPERATOR'S WELL NO. 2  
 API WELL NO. \_\_\_\_\_  
47 - 107 - 1251  
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 932.6 WATER SHED BIG RUN OF OHIO RIVER  
 DISTRICT WILLIAMS COUNTY WOOD  
 QUADRANGLE VALLEY MILLS 7 1/2" QUAD. Marietta SW  
 SURFACE OWNER CHARLES H. & MABEL CHANCELLOR ACREAGE 80  
 OIL & GAS ROYALTY OWNER ODA S. HEINLEIN, CHARLOTTE & LOUIS MANDALARI ACREAGE 80  
 LEASE NO. LEASE BOOK 766 p.28, 767 p. 653  
 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 FIFTH SANDS ESTIMATED DEPTH 3050'  
 WELL OPERATOR PHOENIX OIL & GAS EXPL., INC. DESIGNATED AGENT RICHARD SCHARF  
 ADDRESS 655 3rd AVENUE ADDRESS P.O. BOX 8440  
NEW YORK, NEW YORK, 10017 SOUTH CHARLESTON, W.V.A., 25303

WOOD 1251

**RECEIVED**

SEP 28 1984



- 1) Date: AUGUST 13, 19 84  
 2) Operator's Well No. MANDALARI #2  
 3) API Well No. 47 State 107 County 1251 Permit REN

**RENEW**

STATE OF WEST VIRGINIA  
 OIL & GAS DIVISION DEPARTMENT OF MINES, OIL AND GAS DIVISION  
**DEPT. OF MINES APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil  Gas   
 B (If "Gas", Production  Underground storage  Deep  Shallow )  
 5) LOCATION: Elevation: 932.6' Watershed: BIG RUN OF OHIO RIVER  
 District: WILLIAMS County: WOOD Quadrangle: VALLEY MILLS 7.5'  
 6) WELL OPERATOR PHOENIX GAS & OIL EXPL., INC. 7) DESIGNATED AGENT RICHARD SCHARF  
 Address 655 THIRD AVE. Address P.O. BOX 1109  
NEW YORK, N.Y., 10017 MORGANTOWN, WV, 26507  
 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name GLENN P. ROBINSON 9) DRILLING CONTRACTOR: Name UNKNOWN  
 Address ROUTE #1, #6, MT. PLEASANT ESTATE Address \_\_\_\_\_  
MINERALWELLS, WV, 26150  
 10) PROPOSED WELL WORK: Drill  Drill deeper  Redrill  Stimulate   
 Plug off old formation  Perforate new formation   
 Other physical change in well (specify) \_\_\_\_\_  
 11) GEOLOGICAL TARGET FORMATION, MARCELLUS SHALE  
 12) Estimated depth of completed well, 4,700 feet  
 13) Approximate strata depths: Fresh, 250, 350 feet; salt, 1,800 feet.  
 14) Approximate coal seam depths: NO COAL Is coal being mined in the area? Yes  No

**RECEIVED**

AUG 24 1984

OIL & GAS DIVISION  
 DEPT. OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used	For drilling			Left in well
Conductor	11 3/4"			X		380'	380'	TO SURFACE	Kinds
Fresh water									Sizes
Coal				X		2,000'	2,000'	AS REQ.	Depths set
Intermediate	8 5/8"			X		4,700'	4,700'	AS REQ.	
Production	4 1/2"								Perforations:
Tubing									Top Bottom
Liners									

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-107-1251-REN. Date November 1 19 84

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 November 1, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

BLANKET	Agent: <u>LD</u>	Plat: <u>MH</u>	Casing: <u>TS</u>	Fee: <u>248</u>
<u>118</u>				

Margaret J. Hesse  
 Administrator, Office of Oil and Gas

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

File

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



1) Date: Jan. 18, 1988  
 2) Operator's Well No. \_\_\_\_\_  
 3) API Well No. 47 State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

DRILLING CONTRACTOR:  
UNKNOWN

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil \_\_\_\_\_ / Gas X /  
 B (If "Gas", Production \_\_\_\_\_ / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 93.6 Watershed: R. Run of Ohio River  
 District: Williams County: WOOD Quadrangle: Valley Mills 7 S
- 6) WELL OPERATOR Phoenix Gas & Oil Explor., Inc. 11) DESIGNATED AGENT Richard Schert  
 Address 659 Third Avenue Address P. O. Box 6440  
New York, New York 10017 So. Charleston, W. Va. 25383  
 One S. Main St.
- 7) OIL & GAS ROYALTY OWNER Charlone & Louis Mandelari 12) COAL OPERATOR None  
 Address \_\_\_\_\_ Address \_\_\_\_\_
- 8) SURFACE OWNER Charles & Metel Chancellor 13) COAL OWNER(S) WITH DECLARATION ON RECORD:  
 Address Route #1 Name Charles Chancellor  
Parkersburg, W. Va. 26101 Address 415 Oak St.  
 Acreage 80 Name Charlotte & Louis Mandelari  
 Address 1138 Harriet Drive  
Nov. W. Va. 44224
- 9) FIELD SALE (IF MADE) TO:  
 Address \_\_\_\_\_
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name Leo Wade 14) COAL LESSEE WITH DECLARATION ON RECORD:  
 Address Route #1, Box 5 Name None  
Charleston, W. Va. 25374 Address \_\_\_\_\_
- 15) PROPOSED WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Fracture or stimulate X /  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_ /  
 Other physical change in well (specify) \_\_\_\_\_
- 16) GEOLOGICAL TARGET FORMATION, Flint sands
- 17) Estimated depth of completed well, 3,050 feet
- 18) Approximate water strata depths: Fresh, 350-350 feet; salt, 1,800 feet.
- 19) Approximate coal seam depths: None Is coal being mined in the area? Yes \_\_\_\_\_ / No X

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	10 3/4			X		150	150	To surface	Kinds
Fresh water						380'	380'	CTS NEAT	Sizes
Coal								To surface	Depths set
Intermediate	8 5/8			X		2,000	2,000	As Required	Perforations:
Production	7 1/2			X		3,050	3,050		Top Bottom
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

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 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: \_\_\_\_\_

Signed: \_\_\_\_\_

My Commission Expires \_\_\_\_\_

Its: \_\_\_\_\_

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number: 47-107-11211 Date: \_\_\_\_\_

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

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(d) 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 \_\_\_\_\_