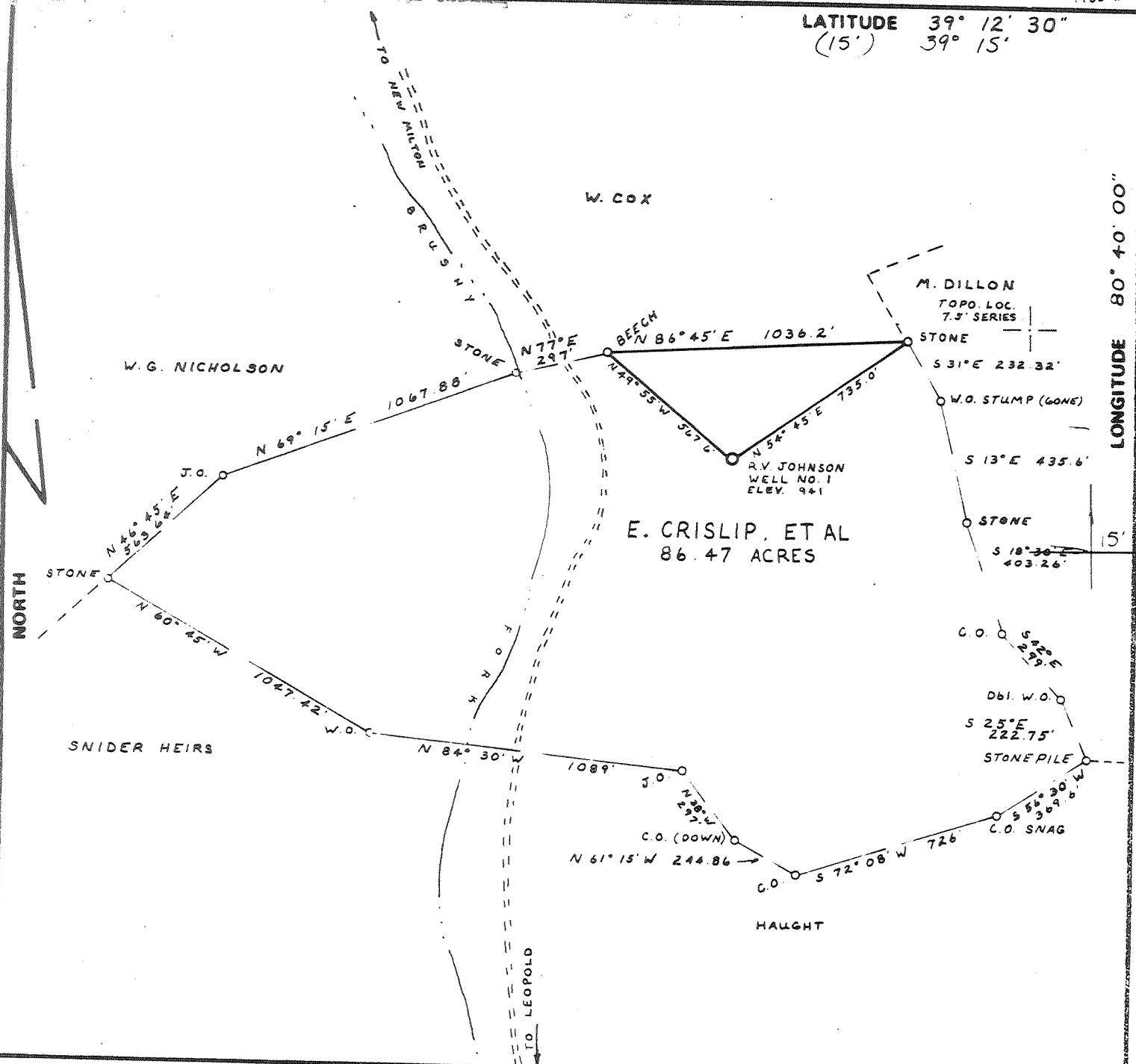


LATITUDE 39° 12' 30"  
(15') 39° 15'

LONGITUDE 80° 40' 00"



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION TOP KNQB: 2500' NE OF LOCATION ELEV. 1373

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. *mark c. Echard*  
 (SIGNED) MARK C. ECHARD  
 R.P.E. \_\_\_\_\_ L.L.S. 490

PLACE SEAL HERE

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

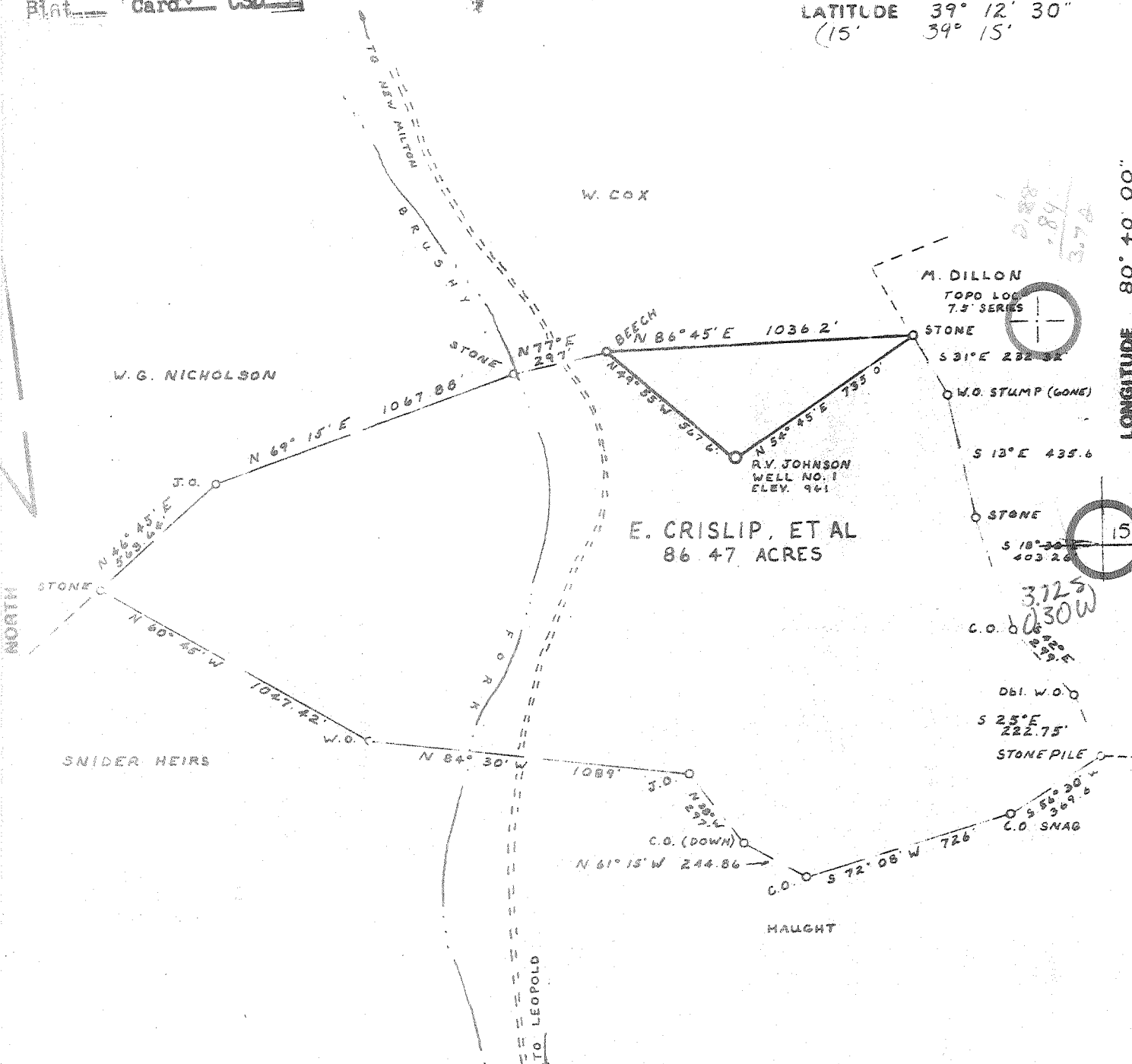


STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

DATE MAY 2, 1980  
 OPERATOR'S WELL NO. 1 (one)  
 API WELL NO. 47-017-2766  
 STATE COUNTY PERMIT  
*Cancelled*

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 941 WATER SHED BRUSHY FORK  
 DISTRICT NEW MILTON COUNTY DODDRIDGE  
 QUADRANGLE NEW MILTON 7.5' VADIS 15'  
 SURFACE OWNER E. CRISLIP, ET AL ACREAGE 86.47  
 OIL & GAS ROYALTY OWNER E. CRISLIP, ET AL LEASE ACREAGE 86.47  
 LEASE NO. \_\_\_\_\_  
 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 ELK ESTIMATED DEPTH 5460'  
 WELL OPERATOR RUSSELL V. JOHNSON, JR. DESIGNATED AGENT GAI SMYTHE  
 ADDRESS DRAWER "L" GLENVILLE, W.V. 26351 ADDRESS DRAWER "L" GLENVILLE, W.V. 26351

MAR 01 1982



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION TOP KNOB : 2500' NE OF LOCATION ELEV. - 1373

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. mark c. Echard  
 (SIGNED) MARK C. ECHARD  
 R.P.E. \_\_\_\_\_ L.L.S. 490

PLACE SEAL HERE

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



DATE MAY 2, 1980  
 OPERATOR'S WELL NO. 1 (ONE)  
 API WELL NO. 47-017-2766  
 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 941 WATER SHED BRUSHY FORK  
 DISTRICT NEW MILTON COUNTY DODDRIDGE  
 QUADRANGLE NEW MILTON 7.5' NAD 15' NW  
 SURFACE OWNER E. CRISLIP, ET AL ACREAGE 86.47  
 OIL & GAS ROYALTY OWNER E. CRISLIP, ET AL LEASE ACREAGE 86.47  
 LEASE NO. \_\_\_\_\_  
 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 ELK ESTIMATED DEPTH 5460'  
 WELL OPERATOR RUSSELL V. JOHNSON, JR. DESIGNATED AGENT GAL SMYTHE  
 ADDRESS DRAWER "L" ADDRESS DRAWER "L"  
GLENVILLE, W.V. 26351 GLENVILLE, W.V. 26351

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. E. Crislip #1

API Well No. 47 - 017 2766  
State County Form

WELL TYPE: Oil  / Gas   
(If "Gas", Production  / Underground storage  / Deep  / Shallow

LOCATION: Elevation: 941' Watershed: Brushy Fork  
District: New Milton County: Doddridge Quadrangle: New Milton 7.5'

WELL OPERATOR Russell V. Johnson, Jr.  
Address Drawer "L"  
Glenville, WV 26351

DESIGNATED AGENT Gai L. Smythe  
Address Drawer "L"  
Glenville, WV 26351

OIL & GAS ROYALTY OWNER Elmer Crislip, et al  
Address New Milton, WV

COAL OPERATOR \_\_\_\_\_  
Address \_\_\_\_\_

Acreage 86.47 A

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Willis G. Tetrick et al  
Address Clarksburg, WV

SURFACE OWNER Elmer Crislip, et al  
Address West Virginia, Ohio

Acreage 86.47 A

Name \_\_\_\_\_  
Address \_\_\_\_\_

FIELD SALE (IF MADE) TO:  
Name N/A

COAL LESSEE WITH DECLARATION ON RECORD:  
Name none  
Address \_\_\_\_\_

Address \_\_\_\_\_

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Paul Garrett  
Address 321 Beech Street  
Clarksburg, WV 622-3871

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed  / lease  / other contract assignment / dated \_\_\_\_\_, 19\_\_\_\_, by the undersigned well operator from Rockwell Petroleum Company

[If said deed, lease, or other contract has been recorded:]  
Recorded on \_\_\_\_\_, 19\_\_\_\_, in the office of the Clerk of the County Commission of \_\_\_\_\_ County, West Virginia, in \_\_\_\_\_ Book \_\_\_\_\_ at page \_\_\_\_\_. A permit is requested as follows:

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

--planned as shown on the work order on the reverse side hereof.

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.

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.

PLEASE SUBMIT COPIES OF ALL GEOLOGICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
535 WASHINGTON STREET EAST  
CHARLESTON, WV 25311

TELEPHONE: (304) 348-2092

RECEIVED  
JUN 4 1980

BLANKET BOARD

"Russell V. Johnson, Jr."  
Well Operator

OIL & GAS DIVISION  
DEPT. OF MINES

By Gai L. Smythe  
Its Partner

[08-78]

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) \_\_\_\_\_

Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION, Elk

Estimated depth of completed well, 5460 feet Rotary X / Cable tools \_\_\_\_\_ /

Approximate water strata depths: Fresh, 140 feet; salt, \_\_\_\_\_ feet.

Approximate coal seam depths: Is coal being mined in the area? Yes \_\_\_\_\_ / No X /

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		
Conductor	113/4					30'	30'	Kinds
Fresh water	8-5/8		20.0	X		1290'	1290'	350 sks
Coal								Sizes
Intermediate								
Production	4 1/2		9.5	X			5410'	185 sks
Tubing								Depths set
Liners								Perforations:
								Top Bottom

NOTE: 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.

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.

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 2-19-81

*[Signature]*  
Deputy Director - Oil & Gas Division

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:

W A I V E R

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 \_\_\_\_\_