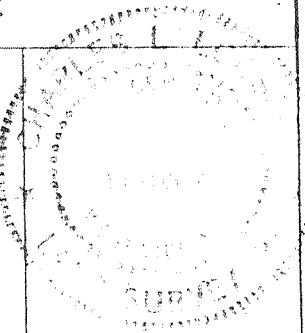


RUSSELL J. & LORETTA HOFFMAN  
61 / 302

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF ACCURACY 1 in 200  
PROVEN SOURCE OF ELEVATION B. M. Bridge Staggs  
Run at Headsville

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) E. L. Logsdon  
R.P.E. \_\_\_\_\_ L.L.S. 69



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

DATE August 4, 1981  
OPERATOR'S WELL NO. ONE  
APIWELL NO. 057  
WV - Mineral - 0071-P  
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
LOCATION: ELEVATION 1079.32' WATERSHED Patterson Creek  
DISTRICT Cabin Run COUNTY Mineral  
QUADRANGLE Keyser

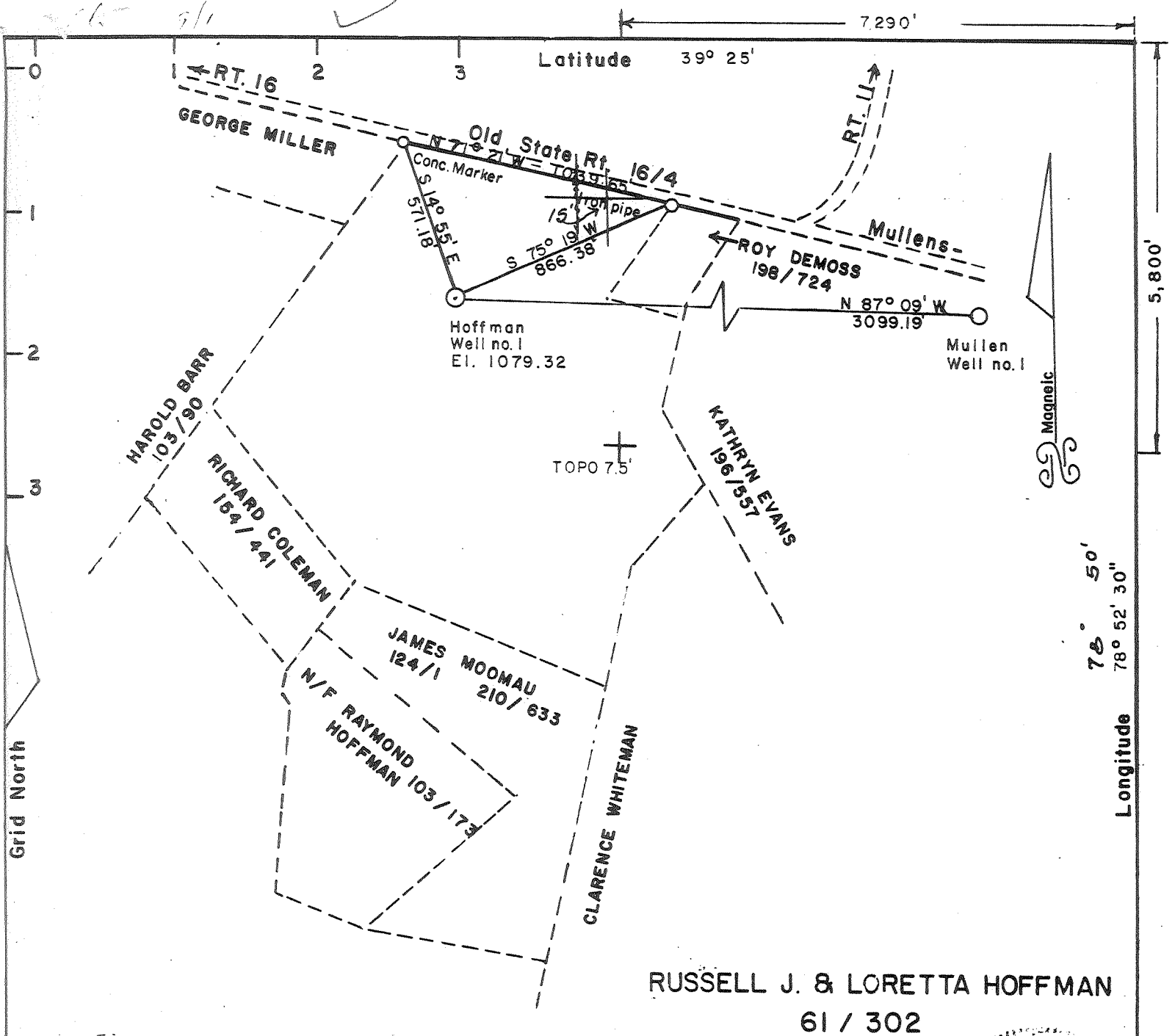
SURFACE OWNER Russell J. Hoffman & Loretta Hoffman ACREAGE 47  
OIL & GAS ROYALTY OWNER Russell J. Hoffman & Loretta Hoffman LEASE ACREAGE 47  
LEASE NO. 219/258

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

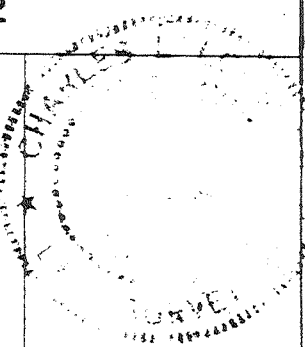
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION Oriskany Sand ESTIMATED DEPTH T. D. 2400  
WELL OPERATOR Upland Resources DESIGNATED AGENT Talkington-Brady  
ADDRESS Westvaco Building - 200 Park Avenue ADDRESS P.O. Box 1016  
New York, N.Y. 10017 Keyser, WV 26726

JUL 6 1981

MIN. 0071



RUSSELL J. & LORETTA HOFFMAN  
61 / 302



FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF ACCURACY 1 in 200  
PROVEN SOURCE OF ELEVATION B.M. Bridge Staggs  
Run at Headsville

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) C. L. Logsdon  
R.P.E. \_\_\_\_\_ L.L.S. 69

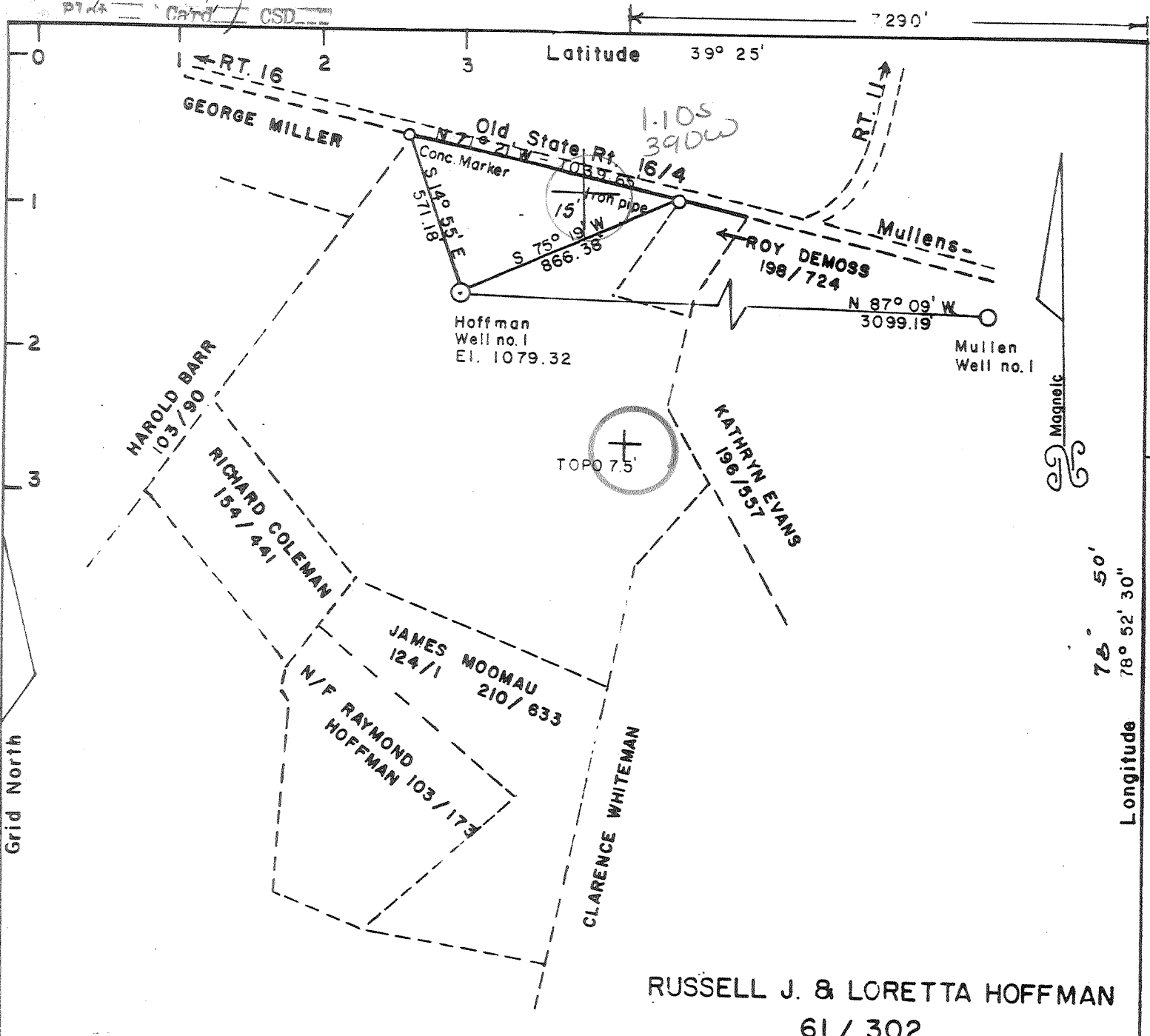
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
DATE August 4, 1981  
OPERATOR'S WELL NO. ONE  
API WELL NO. 057 0071  
FORM IV-6 (8-78)  
STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
STATE COUNTY PERMIT

**CANCELLED**

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
LOCATION: ELEVATION 1079.32' WATER SHED Patterson Creek  
DISTRICT Cabin Run COUNTY Mineral  
QUADRANGLE Keyser  
SURFACE OWNER Russell J. Hoffman & Loretta Hoffman ACREAGE 47  
OIL & GAS ROYALTY OWNER Russell J. Hoffman & Loretta Hoffman LEASE ACREAGE 47  
LEASE NO. 219/258  
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 Oriskany Sand ESTIMATED DEPTH T.D. 2400  
WELL OPERATOR Upland Resources DESIGNATED AGENT Talkington-Brady  
ADDRESS Westvaco Building - 200 Park Avenue ADDRESS P.O. Box 1016  
New York, N.Y. 10017 Keyser, WV 26726

APR 11 1983

MIN. 0071



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" 500'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION B. M. Bridge Stags  
Run at Headsville

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) E. P. Logsdon  
 R.P.E. \_\_\_\_\_ L.L.S. 69

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

DATE August 4, 1981  
 OPERATOR'S WELL NO. ONE  
 API WELL NO. \_\_\_\_\_  
 WV - 057 - 0071  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS," ) PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 1079.32' WATERSHED Patterson Creek  
 DISTRICT Cabin Run COUNTY Mineral  
 QUADRANGLE Keyser 4151  
 SURFACE OWNER Russell J. Hoffman & Loretta Hoffman ACREAGE 47  
 OIL & GAS ROYALTY OWNER Russell J. Hoffman & Loretta Hoffman LEASE ACREAGE 47  
 LEASE NO. 219/258  
 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 Oriskany Sand ESTIMATED DEPTH T.D. 2400  
 WELL OPERATOR Upland Resources DESIGNATED AGENT Talkington-Brady  
 ADDRESS Westvaco Building - 200 Park Avenue ADDRESS P.O. Box 1016  
New York, N.Y. 10017 Keyser, WV 26726  
 SEP 28 1981  
*deep well*



(Revised 3-81)

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) S. W. Drilling Company

Address P. O. Box 697

Indiana, PA 15701

GEOLOGICAL TARGET FORMATION Helderburg

Estimated depth of completed well 4000 feet. Rotary  / Cable tools  /  
Approximate water strata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.  
Approximate coal seam depths: No coal.  
Is coal being mined in this area: Yes  / No  /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL- UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill- ling		
Conductor								Kinds
Fresh water	8-5/8	A	24.7	X		<u>1400</u>	Cement to surface	Sizes
Coal								
Intermed.								
Production Tubing	4-1/2	A	10.5	X		<u>1400</u>	Cement from the bottom of the well to 1500' above the bottom.	Depths set Perforations: Top Bottom
Liners								

**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.

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 5-14-82.

Fred Beckett  
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 regularions.

Date: \_\_\_\_\_, 19\_\_\_\_.

By: \_\_\_\_\_

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

