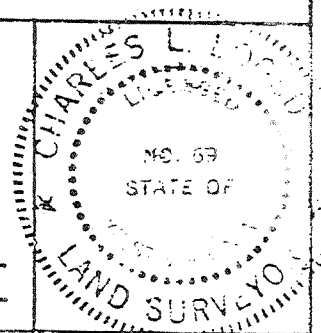


Surface & Minerals  
 Wendell Fertig  
 143/433  
 Tax Map CR 14-6

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION B.M. Bridge over Patterson Creek at Reeses Mill

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) [Signature]  
 R.P.E. \_\_\_\_\_ L.L.S. 69



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

DATE Aug 29, 1980  
 OPERATOR'S WELL NO. \_\_\_\_\_  
 API WELL NO. 057  
 W V - Mineral - 0048-P  
 STATE COUNTY PERMIT

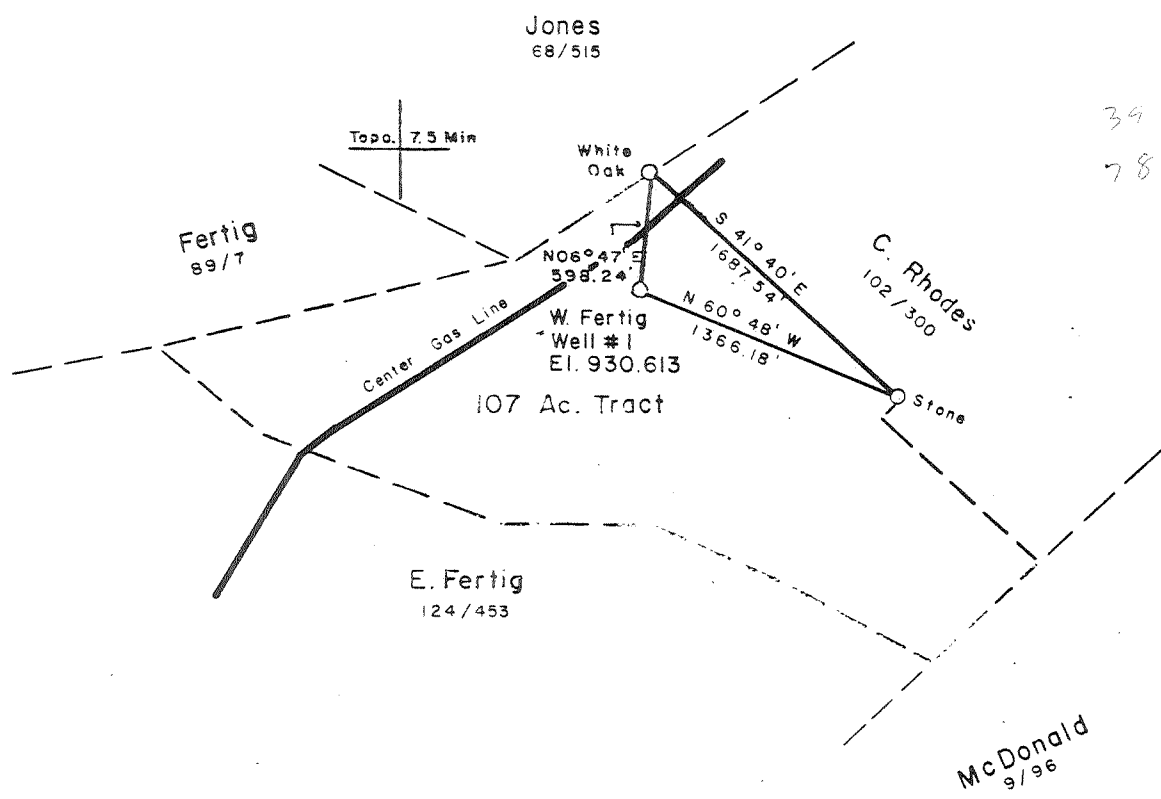
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 930.613 WATERSHED Patterson Creek  
 DISTRICT Cabin Run COUNTY Mineral  
 QUADRANGLE Headsville KEYSER 15'  
 SURFACE OWNER Wendell & Jessie B. Fertig ACREAGE 427  
 OIL & GAS ROYALTY OWNER Wendell & Jessie B. Fertig LEASE ACREAGE 427  
 LEASE NO. \_\_\_\_\_  
 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 2600  
 WELL OPERATOR Upland Resources, Inc. ED AGENT Huntley & Huntley  
 ADDRESS 17C c/o Westvaco Corporation ADDRESS 1700 Benedum - Tree Building  
Pitt 299 Park Avenue Pittsburgh, Pa. 15222  
New York, N.Y. 10171

AUG 16 1982

5-3

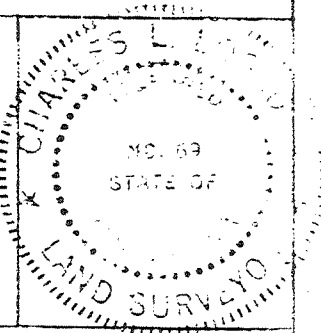


39 24 15  
78 52 10

Surface & Minerals  
Wendell Fertig  
143/433  
Tax Map CR 14 - 6

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION B.M. Bridge over Patterson Creek at Reeses Mill

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 (SIGNED) [Signature]  
 R.P.E. \_\_\_\_\_ L.L.S. 69



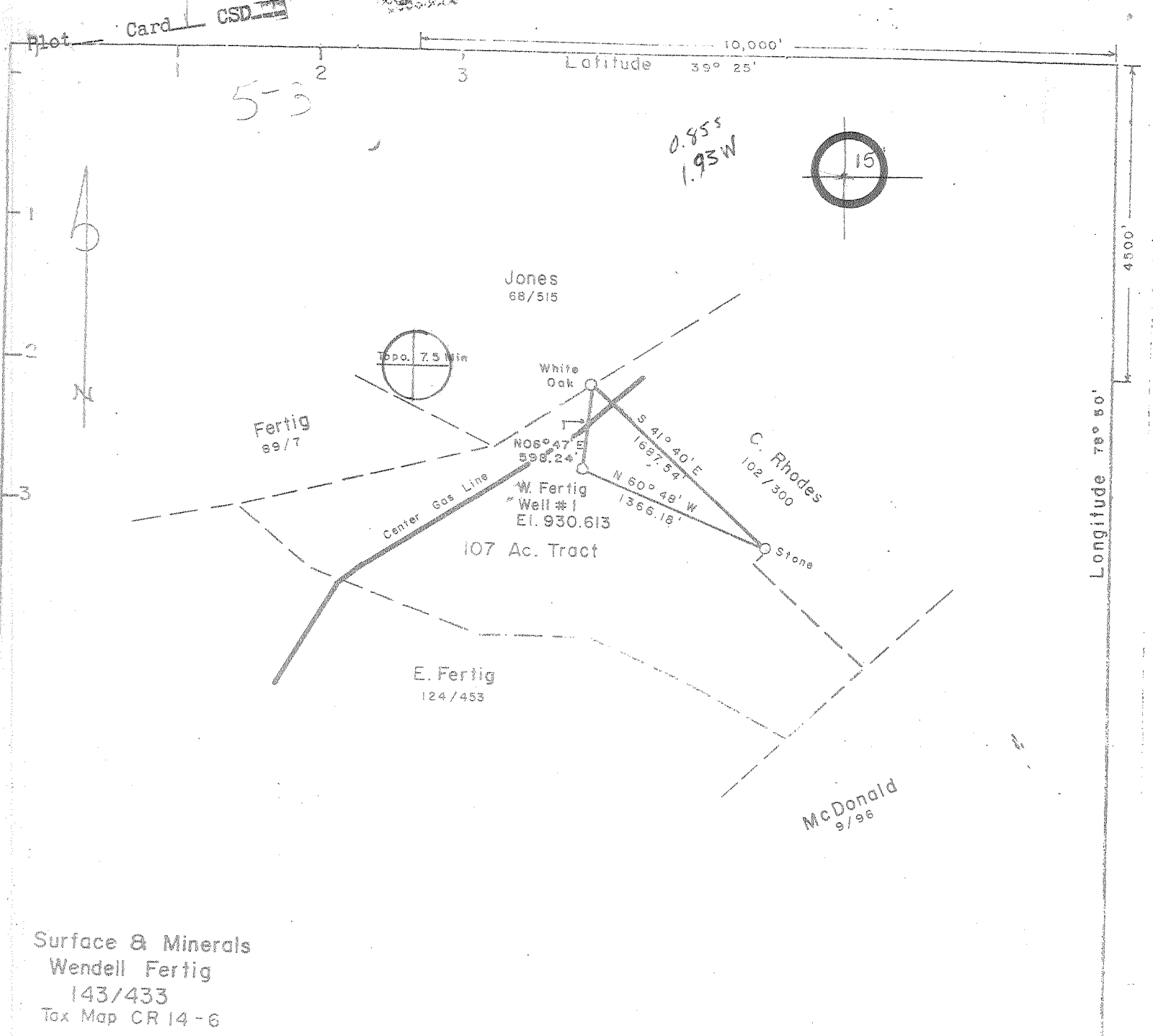
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)

DATE Aug 29, 1980  
 OPERATOR'S WELL NO. \_\_\_\_\_  
 API WELL NO. 057  
 W V - Mineral - 0048 - Frac  
 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 \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 930.613' WATER SHED Patterson Creek  
 DISTRICT Cabin Run COUNTY Mineral  
 QUADRANGLE Headsville KEYSER 15'  
 SURFACE OWNER Wendell & Jessie B. Fertig ACREAGE 427  
 OIL & GAS ROYALTY OWNER Wendell & Jessie B. Fertig LEASE ACREAGE 427  
 LEASE NO. \_\_\_\_\_  
 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 6-0 Headsville South (302)  
 TARGET FORMATION Oriskany Sand ESTIMATED DEPTH 2600  
 WELL OPERATOR Upland Resources DESIGNATED AGENT Huntley & Huntley  
 ADDRESS 1700 Benedum - Tree Building ADDRESS 1700 Benedum - Tree Building

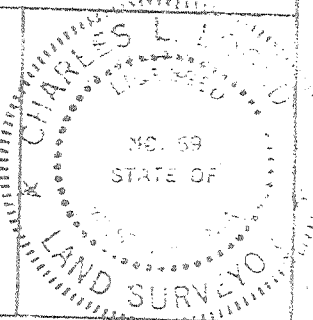
SEP 22 1981



Surface & Minerals  
 Wendell Fertig  
 143/433  
 Tax Map CR 14-6

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION B.M. Bridge over Patterson Creek at Reeses Mill

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 (SIGNED) [Signature]  
 R.P.E. \_\_\_\_\_ L.L.S. 69



+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (3-78)

DATE Aug 29, 1980  
 OPERATOR'S WELL NO. \_\_\_\_\_  
 API WELL NO. 057  
 W V - Mineral - 0048  
 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 \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 930.613' WATER SHED Patterson Creek  
 DISTRICT Cabin Run COUNTY Mineral  
 QUADRANGLE Headsville KEYSER 15'

SURFACE OWNER Wendell & Jessie B. Fertig ACREAGE 427  
 OIL & GAS ROYALTY OWNER Wendell & Jessie B. Fertig LEASE ACREAGE 427  
 LEASE NO. \_\_\_\_\_

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 2600

WELL OPERATOR Upland Resources DESIGNATED AGENT Huntley B. Huntley  
 ADDRESS 1700 Benedum - Tree Building Pittsburgh, Pa. 15222 ADDRESS 1700 Benedum - Tree Building Pittsburgh, Pa. 15222

OCT 17 1980

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

OIL AND GAS WELL PERMIT APPLICATION

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

LOCATION: Elevation: 931' Watershed: Patterson Creek  
District: Cabin Run County: Mineral Quadrangle: Headsville

WELL OPERATOR Upland Resources  
Address 1700 Benedum-Trees Bldg.  
Pittsburgh, Penna. 15222

DESIGNATED AGENT HUNTLEY & HUNTLEY, INC.  
Address 1700 Benedum-Trees Bldg.  
Pittsburgh, Penna. 15222

OIL & GAS ROYALTY OWNER Wendell & Jessie B. Fertig  
Address Route 1  
Keyser, W. Va. 26726

COAL OPERATOR N. A.  
Address                                     

Acresage 427  
SURFACE OWNER Same as above.

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name N. A.

Address                                       
Acresage                                     

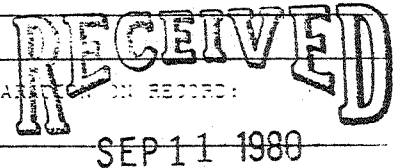
Address                                       
Name                                     

FIELD SALE (IF MADE) TO:  
Name                                       
Address                                     

Address                                       
Name                                     

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Robert S. Stewart  
Address P. O. Box 345  
Jane Lew, W. Va. 26378

COAL LESSEE WITH DECLARATION ON RECORD:  
Name                                       
Address                                     



OIL & GAS DIVISION  
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed      / lease X / other contract      / dated October 20, 1976, to the undersigned well operator from Wendell and Jessie B. Fertig

[If said deed, lease, or other contract has been recorded:]  
Recorded on October 24, 1977, in the office of the Clerk of the County Commission of Mineral County, West Virginia, in Deed Book 207 at page 554. A permit is requested as follows:

PROPOSED WORK: Drill X / 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, Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS  
CONSERVATION COMMISSION  
1616 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (606) 526-3100

HUNTLEY & HUNTLEY, INC., Agent for:  
UPLAND RESOURCES, INC.  
Tracy Bartholomew, II  
Vice President - Operations

BLANKET BOND

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-3 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Talkington-Brady, Inc.  
Address P. O. Box 371  
Buckhannon, W. Va. 27201

GEOLOGICAL TARGET FORMATION, Oriskany Sandstone

Estimated depth of completed well, 2600 feet Rotary  Cable tools   
Approximate water strata depths: Fresh, 60' feet; salt, None feet.  
Approximate coal seam depths: No Coal Is coal being mined in the area? Yes  No  expected.

RACING AND TUBING PROGRAM

RACING 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	Kinds
Production									
Fresh water	8-5/8	A	24.7	X		400'	400'	Cemented to Surface	
Coal									
Intermediate									
Estimation	4-1/2	A	10.0	X		2600'	2600'	Cemented to Surface	Depths set
Racing									
Logging									Perforations:
									Top Bottom

NOTE: Regulation 9.02 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-3, "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 § 22-4-3a from the owner of any water well or dwelling within 100 feet of the proposed well.

A separate Form IV-1 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 5-30-81.

*[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 lessee of the coal under this well has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been filed to the mine map. The undersigned has no objection to the well 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.

By \_\_\_\_\_  
Its \_\_\_\_\_

*[Handwritten signature]*



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE August 26, 1981

Surface Owner Wendall Fertig

Company Upland Resources, c/o Westvaco

Address Rt. 1, Keyser, WV 26726

Address 299 Park Ave., NY, NY 10017

Mineral Owner Same as above

Farm Fertig Acres 427

Address \_\_\_\_\_

Location (waters) Patterson Creek

Coal Owner N/A

Well No. 1 Elevation 930'

Address \_\_\_\_\_

District Cabin Run County Mineral

Coal Operator N/A

Quadrangle Headsville 7 1/2

Address \_\_\_\_\_

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 fracturing. This permit shall expire if operations have not commenced by 5-10-82

INSPECTOR TO BE NOTIFIED Robert Stewart  
ADDRESS P.O. Box 345, Jane Lew, WV  
PHONE 884-7782

*J. H. ...*  
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated On File 19\_\_ by \_\_ made to \_\_ and recorded on the \_\_ day of 19\_\_, in \_\_ County, Book \_\_ Page \_\_  
NEW WELL DRILL DEEPER REDRILL XXX FRACTURE OR STIMULATE  
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_ day before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

Very truly yours, *[Signature]*  
Upland Resources Geological Consultants, Agent  
(Sign Name) \_\_\_\_\_  
Well Operator

OFFICE OF OIL AND GAS  
1615 Washington Street, East  
Charleston, West Virginia  
Area Code 304 -348-3092 348-3096

Address of Well Operator

RECEIVED

AUG 28 1981

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

Street \_\_\_\_\_  
City or Town \_\_\_\_\_  
State \_\_\_\_\_

\*SECTION 3 . . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."  
Signed by *[Signature]*

47-057-0048 - Frac. PERMIT NUMBER

Blanket Bond Number on File

**THIS IS AN ESTIMATE ONLY**  
**ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO \_\_\_\_\_ DRILL \_\_\_\_\_ DEEPEN XXX FRACTURE-STIMULATE  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME \_\_\_\_\_ NAME \_\_\_\_\_  
 ADDRESS \_\_\_\_\_ ADDRESS \_\_\_\_\_  
 TELEPHONE \_\_\_\_\_ TELEPHONE \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL: \_\_\_\_\_ ROTARY \_\_\_\_\_ CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: \_\_\_\_\_  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS XXX COMB. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

**TENTATIVE CASING PROGRAM:**

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	400'	400'	Cement to Surface
7			
5 1/2			
4 1/2		2725'	273 SKB
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 80' FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS \_\_\_\_\_  
 IS COAL BEING MINED IN THE AREA? \_\_\_\_\_ BY WHOM? \_\_\_\_\_

**TO DRILL:**

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

**TO DRILL DEEPER OR REDRILL:**

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

**TO FRACTURE - STIMULATE:**

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for \_\_\_\_\_ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

\_\_\_\_\_  
For Coal Company



IV-35  
(Rev 8-81)

Date October 8, 1981

Operator's  
Well No. 1

**RECEIVED**

State of West Virginia  
Department of Mines  
Oil and Gas Division

Farm Fertig

API No. 47 - 057 - 0048

OCT 13 1981

OIL AND GAS DIVISION WV DEPARTMENT OF MINES  
WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil \_\_\_ / Gas X / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas," Production X / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow X /)

LOCATION: Elevation: 930 Watershed Patterson Creek  
District: Cabin Run County Mineral Quadrangle Headsville

COMPANY Upland Resources %Westvaco  
ADDRESS 299 Park Ave., N.Y., N.Y. 10017  
DESIGNATED AGENT T. Brady  
ADDRESS P.O. 1016, Keyser, W.Va.  
SURFACE OWNER Wendall Fertig  
ADDRESS Rt. 1, Keyser, W.Va. 26726  
MINERAL RIGHTS OWNER Same as above  
ADDRESS \_\_\_\_\_  
OIL AND GAS INSPECTOR FOR THIS WORK  
R. Stewart ADDRESS Jane Lew, W.Va.  
PERMIT ISSUED \_\_\_\_\_  
DRILLING COMMENCED 10/27/80  
DRILLING COMPLETED 12/3/80  
IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON \_\_\_\_\_

Casing & Tubing Size Cond.	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16			
13-10"			
9 5/8			
8 5/8	400	400	surface
7			
5 1/2			
4 1/2		2725	
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany Sandstone Depth 2570 feet  
Depth of completed well 2735 feet Rotary \_\_\_ / Cable Tools XXX  
Water strata depth: Fresh 80 & 174 feet; Salt \_\_\_ feet  
Coal seam depths: No Coal Is coal being mined in the area? \_\_\_

OPEN FLOW DATA

Producing formation Marcellus & Needmore Shale Pay zone depth 2352-2534 feet  
Gas: Initial open flow 0 Mcf/d Oil: Initial open flow -- Ebl/d  
Final open flow 20 Mcf/d Oil: Final open flow -- Ebl/d  
Time of open flow between initial and final tests -- hours  
Static rock pressure -- psig (surface measurement) after -- hours shut in  
(If applicable due to multiple completion--)  
Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Ebl/d  
Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow \_\_\_\_\_ Ebl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

OCT 29 1981  
(Continue on reverse side)



DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Bridge Plug at 2535'  
 Perforated at 2445-2534; 16 shots; 1st stage  
 Frac Plug at 2430  
 Perforated at 2352-2406, 18 shots; 2nd stage  
 Fractured the first stage with 790,000 SCF of Nitrogen  
 Fractured the second stage with 840,000 SCF of Nitrogen

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sandstone & Shale			0	2240	
Parcell Member of the Marcellus Shale			2240	2336	
Lower Marcellus Shale			2336	2425	
Tioga Bentonite			2425	2442	
Needmore Shale			2442	2570	
Oriskany Sandstone			2570	2700	Show of Gas
Helderberg Limestone			2700	2735	

(Attach separate sheets as necessary)

Upland Resources

Well Operator

Agent Energy Omega, Inc.

By: *Greg Watts*

Date: October 8, 1981

Note: Regulation 2.02(i) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

**RECEIVED**  
APR 5 - 1983

AFFIDAVIT OF PLUGGING AND FILLING WELL

OIL & GAS DIVISION

DEPT. OF MINES

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

None  
Coal Operator or Owner

Upland Resources, Inc.  
Name of Well Operator

c/o Westvaco Corp.  
299 Park Avenue, New York NY 10171

Address

Complete Address

W. Fertig No. 3 19

Coal Operator or Owner

WELL AND LOCATION

Address

Cabin Run District

Wendall Fertig  
Lease or Property Owner

Mineral County

Route 1, Keyser, WV 26726  
Address

WELL NO. 47-057-0048 - (No. 3)

Fertig Farm

STATE INSPECTOR SUPERVISING PLUGGING Robert Stewart

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Mineral

ss:

Joseph V. Peddy and Ralph Webb  
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Upland Resources, Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 19 day of August, 19 82, and that the well was plugged and filled in the following manner:

Sand or Zone Record Formation	Filling Material	Plugs Used Size & Kind	Casing	
			CSO PULLED	CSO LEFT IN
Sandstone & Shale	0-1150 gel & cement	squeeze perf at		
Marcellus Shale	1150-1586	1991'-2001' with		400'-
Purcell	1586-1682	2% CaCl for 200'		8 5/8"
Lower Marcellus	1682-1750	of well above and		2109'
Tioga Bentonite	1750-1764	including perf.		4 1/2"
Needmore	1764-1896	Backfill will gel		
Oriskany	1896-2042	cement 120'		
Shriver	2042-2121	between 4 1/2" &		
T-D-2121'		8 5/8". Cement		
-		plug 100' to 0		
		inside 4 1/2".		
Coal Seams		Description of Monument		
(Name) None		8 5/8" casing 30" or more,		
(Name)		above ground.		
(Name)		Well No - stenciled		
(Name)				

and that the work of plugging and filling said well was completed on the 16 day of December, 19 82.

And further deponents saith not.

John V. Peddy  
Ralph C. Webb  
John Marsch  
Notary Public

Sworn to and subscribed before me this 28 day of March, 19 83.

My commission expires:  
April 3, 1991

Permit No. 47-057-0048

M.I.N. 0048