

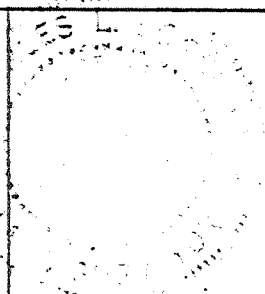
Surface & Minerals  
Wendell Fertig  
133/575  
35.4 Ac.

39 24 15  
78 51 05

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 Headsville El. 686'

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) Carl L. Fisher  
R.P.E. \_\_\_\_\_ L.L.S. 69



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

DATE Dec. 16, 1980  
OPERATOR'S WELL NO. 3  
API WELL NO. \_\_\_\_\_  
WV - Mineral - 0054  
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 677.62' WATER SHED Patterson Creek  
DISTRICT Cabin Run COUNTY Mineral  
QUADRANGLE Headsville  
SURFACE OWNER Wendell & Jessie B. Fertig ACREAGE 35.4  
OIL & GAS ROYALTY OWNER Wendell & Jessie B. Fertig LEASE ACREAGE 35.4  
LEASE NO. 207/554

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 2400 ±  
WELL OPERATOR Upland Resources DESIGNATED AGENT Huntley & Huntley  
ADDRESS 1700 Benedum - Trees Building ADDRESS 1700 Benedum - Trees Building  
Pittsburgh, Pa. 15222 Pittsburgh, Pa. 15222

Deep well 5-0 Headsville North (335) FEB 23 1981 302



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
**Oil and Gas Division**  
**WELL RECORD**

**RECEIVED**  
SEP 30 1981  
OIL AND GAS DIVISION  
WEST VIRGINIA DEPARTMENT OF MINES

Quadrangle Headsville  
Permit No. 47-057-0054

Oil \_\_\_\_\_  
Gas XXX  
Comb. \_\_\_\_\_  
Storage \_\_\_\_\_  
(Kind)

Company Inland Resources  
Address Westvaco, 299 Park Ave., N.Y., N.Y.  
Farm Fertig Acres 35.4  
Location (waters) Patterson Creek  
Well No. 3 Elev. 678  
District Cabin Run County Mineral  
The surface of tract is owned in fee by \_\_\_\_\_  
Wendall & Jessie Fertig  
Address Rt. 1, Keyser, W. Va. 26726  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling Commenced \_\_\_\_\_  
Drilling Completed 8/29/81  
Initial open flow 0 cu. ft. -- bbls.  
Final production 10MCFAD cu. ft. per day \_\_\_\_\_ bbls.  
Well open -- hrs. before test \_\_\_\_\_ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
10017			
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	400'	400'	cement to surface
7			
5 1/2			
4 1/2		2109	330 sks. 50/50 poz cement
3			
2			
Liners Used			

Well treatment details:  
Perforations: 1992-2002, 10 shots  
Fractured by: Halliburton & B. J. Hughes  
Water foam frac;

Attach copy of cementing record.

Coal was encountered at No Coal Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 20 Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Oriskany Sandstone Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sandstone & Shale			0	1150		
Marcellus Shale			1150	1586		
Purcell Member of the Marcellus Shale			1586	1682		
Lower Marcellus Shale			1682	1750		
Tioga Bentonite			1750	1764		
Needmore Shale			1764	1896		
Oriskany Sandstone			1896	2042		
Shriver Chert			2042	2121		
			T.D.	2121		

HDBG

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. 3  
API Well No. 47 - 057 - 0054  
State County Per

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

LOCATION: Elevation: 677.62' Watershed: Patterson Creek  
District: Cabin Run County: Mineral Quadrangle: Headsville

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

DESIGNATED AGENT Troy A Brady, Jr.  
Address 116 East Street  
Keyser, W.Va. 26726

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

COAL OPERATOR No Coal  
Address     

ACREAGE 35.4  
SURFACE OWNER Same  
Address       
Acreage     

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name       
Address       
Name       
Address     

FIELD SALE (IF MADE) TO:  
Name       
Address     

COAL LESSEE WITH DECLARATION ON RECORD:  
Name       
Address     

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

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed      / lease xxxx / other contract      / dated Oct 24, 1976, to the undersigned well operator from Wendell Fertig  
[said deed, lease, or other contract has been recorded:]

Recorded on Oct 24, 1977, in the office of the Clerk of the County Commission of Mineral County, West Virginia, in Keyser Book 207 at page 554. A permit is requested as follows:

PROPOSED WORK: Drill XX / 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 action they wish to make or are required to make by Code § 22-4-3 must be filed with the Department 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 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 PHYSICAL LOGS DIRECTLY TO:  
VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
WASHINGTON STREET EAST  
LESTON, WV 25311  
PHONE: (304) 348-3092

Well Operator  
Robert S. Stewart  
By Robert S. Stewart  
President - Huntley & Huntley, Inc.

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-95 UPON COMPLETION.

RILLING CONTRACTOR (IF KNOWN) Talkington-Brady, Inc.  
Address 116 East St.  
Keyser, W.Va. 26726

GEOLOGICAL TARGET FORMATION, Oriskany

Estimated depth of completed well, 2400' feet Rotary      / Cable tools XX /  
Approximate water strata depths: Fresh, 60-200 feet; salt,      feet.  
Approximate coal seam depths: No Coal Is coal being mined in the area? Yes      No     

LOGGING AND TUBING PROGRAM

LOGGING 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
Conductor									
Fresh water	8 5/8	H	24.7	XX		400	400	to surface	
Galv									
Intermediate									
Production	4.5"	K	10.01	XX			2400	to surface	Depths set
Tubing									
Packers									Performances: 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 drilling 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 THIS PERMIT IS NOT SUBJECT TO AD VALOREM TAXES levied 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 9-15-81.

*J. J. Murray*  
Deputy Director, Coal Division

The following action 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 coal 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.

at \_\_\_\_\_, 19\_\_\_\_\_

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