

Surface & Minerals
Wendall Fertig
 143/433
 Tax Map CR14-6

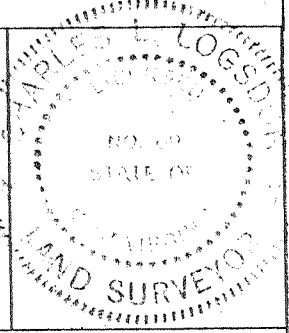
75' loc
0.525 39° 25'
0.48W 78° 52' 30"

15' loc
0.525
271W
4/6 3/4/2010

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION B.M. Bridge over Staggs Run at Headsville 689.30'

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. S. Loggins*
 R.P.E. _____ L.L.S. 69



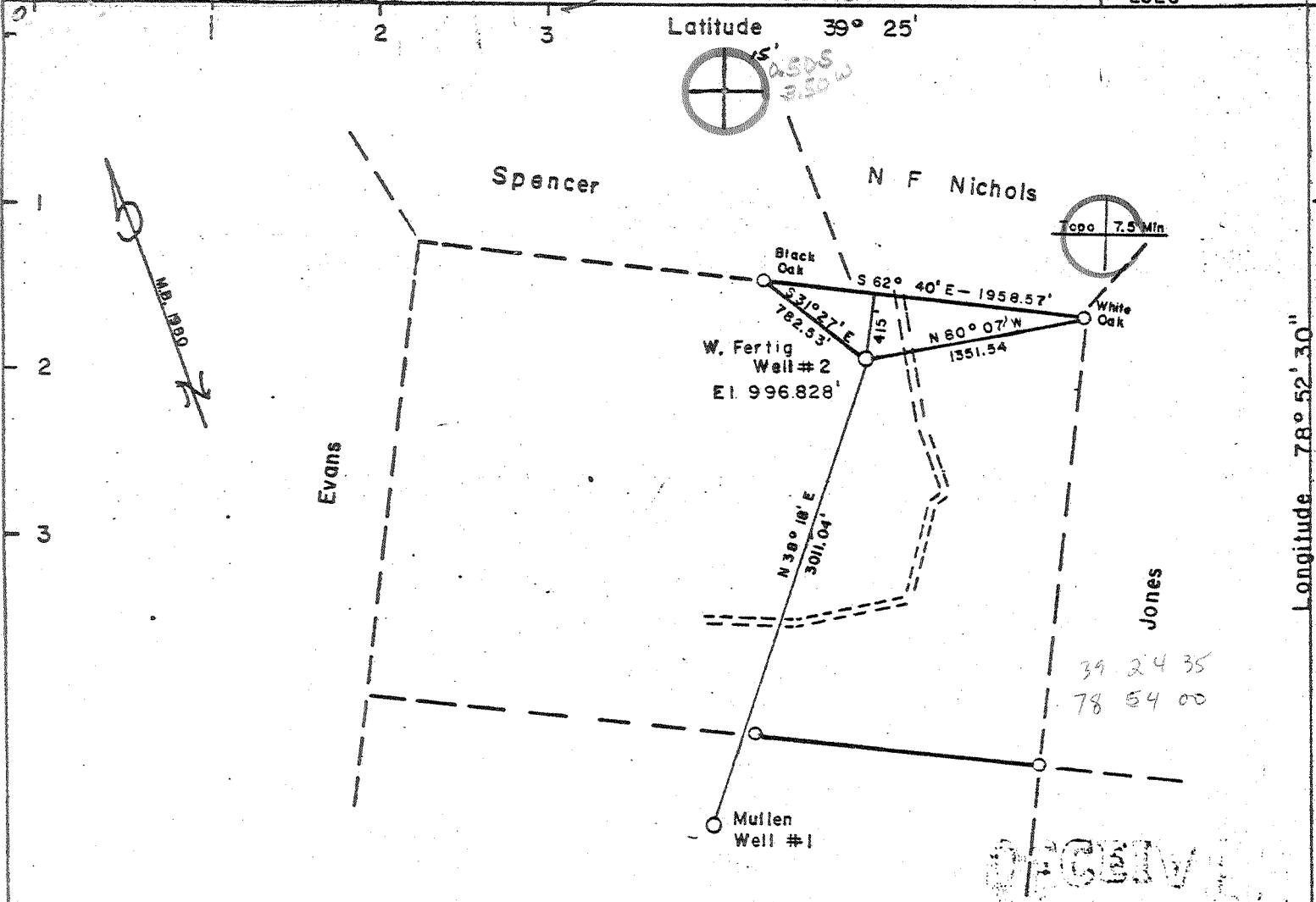
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

DATE Sept, 19 80
 OPERATOR'S WELL NO. _____
 API WELL NO. _____
 FORM IV-6 (8-78)

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 996.828' WATERSHED Pattersons Creek
 DISTRICT Cabin Run COUNTY Mineral
 QUADRANGLE Headsville KS 15'
 SURFACE OWNER Wendall Fertig Keyser 7/2 ACREAGE 427
 OIL & GAS ROYALTY OWNER Wendall Fertig LEASE ACREAGE 427
 LEASE NO. 287/554
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

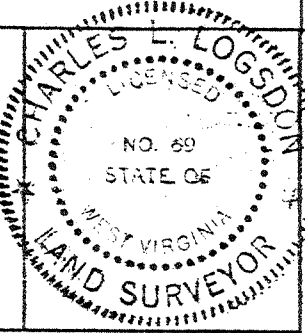
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Oriskany Sand ESTIMATED DEPTH T.D. 2400+ 2650
 WELL OPERATOR Upland Resources DESIGNATED AGENT Huntley & Huntley
 ADDRESS 1700 Benedum - Trees Building ADDRESS 1700 Benedum - Trees Building
Pittsburgh, Pa. 15222 Pittsburgh, Pa. 15222



Surface & Minerals
 Wendall Fertig
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 (SIGNED) *C. E. Logsdon*
 R.P.E. _____ L.L.S. 69



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

DATE Sept, 19 80
 OPERATOR'S WELL NO. _____
 API WELL NO. _____
 WV - Mineral - 0051
 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 996.828' WATER SHED Pattersons Creek
 DISTRICT Cabin Run COUNTY Mineral
 QUADRANGLE Headsville KS 15 C Keyser Keyser 7/2
 SURFACE OWNER Wendall Fertig ACREAGE 427
 OIL & GAS ROYALTY OWNER Wendall Fertig LEASE ACREAGE 427
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 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+ 2600
 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 JAN 21 1981 60 Headsville (302)



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

Quadrangle Headsville
Permit No. 47-057-0051

Rotary _____ Oil _____
Cable X Gas X
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company Upland Resources % Westvaco
Address 299 Park Ave., NY, NY 10017
Farm Fertig Acres 427
Location (waters) Patterson Creek
Well No. 2 Elev. 997
District Cabin Run County Mineral
The surface of tract is owned in fee by _____
Wendall & Jessis Fertig
Address Rt. 1, Keyser, WV 26726
Mineral rights are owned by Same
Address _____
Drilling Commenced 2/3/81
Drilling Completed 4/5/81
Initial open flow 0 cu. ft. _____ bbls.
Final production 10 McFAE 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.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	400'	400'	200 sks.
7			
5 1/2			
4 1/2		3260	260 sks.
3			
2			
Liners Used			

Well treatment details: Fracture program by Halliburton; acid foam frac with 200 sks of 20/40 sand; 180 bbls fluid. Attach copy of cementing record.

Coal was encountered at NA Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Oriskany and Needmore Shale Depth 3216

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale & Sandstone			0	2898		
Purcell Member of the Marcellus Shale			2898	3004		
Lower Marcellus Shale			3004	3068		
Tioga Bentonite			3068	3081		
Needmore Shale			3081	3216		
Oriskany Sandstone			3216	3260		
TD				3260		

RECEIVED

JUL 20 1981

OIL & GAS DIVISION
DEPT. OF MINES

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. #2 API Well No. 47-057-0051 State County Permit

WELL TYPE: Oil / Gas xxx / (If "Gas", Production xxx / Underground storage / Deep xxx / Shallow /) LOCATION: Elevation: 997 Watershed: Pattersons Creek District: Cabin Run County: Mineral Quadrangle: Headsville

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

DESIGNATED AGENT Huntley and Huntley, Inc. Address 1700 Benedum-Trees Building Pittsburgh, Penna. 15222

LAND & GAS COALTY OWNER Wendall and Jessie B. Fertig Address Route 1 Keyser, W.Va. 26726 Acreage 427

COAL OPERATOR N.A. Address

SURFACE OWNER Same as above Address Acreage

COAL OWNER(S) WITH DECLARATION ON RECORD: Name N.A. Address DEC 19 1980

FIELD SALE (IF MADE) TO: Name Address

Name Address OIL & GAS DIVISION DEPT. OF MINES

LAND & 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 OCT - 6 1980

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 xxx / other contract / dated October 20, 1976, to the undersigned well operator from Wendall 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 xxx / 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 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.

Huntley and Huntley, Inc., Agent For: Upland Resources, Inc. Well Operator

PLEASE SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 5 WASHINGTON STREET EAST CHARLESTON, WV 25311 TELEPHONE: (304) 248-3092

By Robert Stewart Its President

BLANKET BOND

PROPOSED WORK ORDER

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

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

GEOLOGICAL TARGET FORMATION, Oriskany Sandstone

Estimated depth of completed well, 2600± feet Rotary / Cable tools XXX /
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 XXXX /

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		Kind	Size
Conductor										
Fresh water	8-5/8	A	24.7	X		400'	400'	Cemented to Surface		
Coal										
Intermediate										
Production	4-1/2	A	10.0	X		2600'	2600'	Cemented to Surface		
Tubing										
Packers									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.

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 8-23-81.

RECEIVED

DEC 19 1980

OIL & GAS DIVISION
DEPT. OF MINES

J. H. [Signature]
Deputy Director, Oil & Gas Division
This permit must be completed by the coal operator and by any coal owner who has not already provided 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

