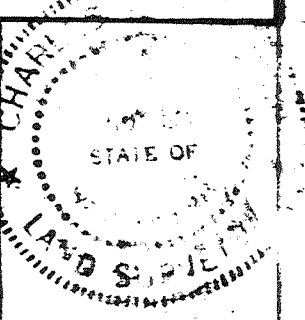


FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION BM Staggs Run Bridge at Headsville

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) [Signature]
 R.P.E. _____ L.L.S. 69



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

FORM IV-6
(8-78)

DATE August 9, 19 81
 OPERATOR'S WELL NO. ONE
 API WELL NO. 057
 WV - Mineral - 0073-Rev.
 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 ___
 ELEVATION 1201.91' WATER SHEET Patterson Creek
 DISTRICT Cabin Run COUNTY Mineral
 QUADRANGLE Keyser 15' WC

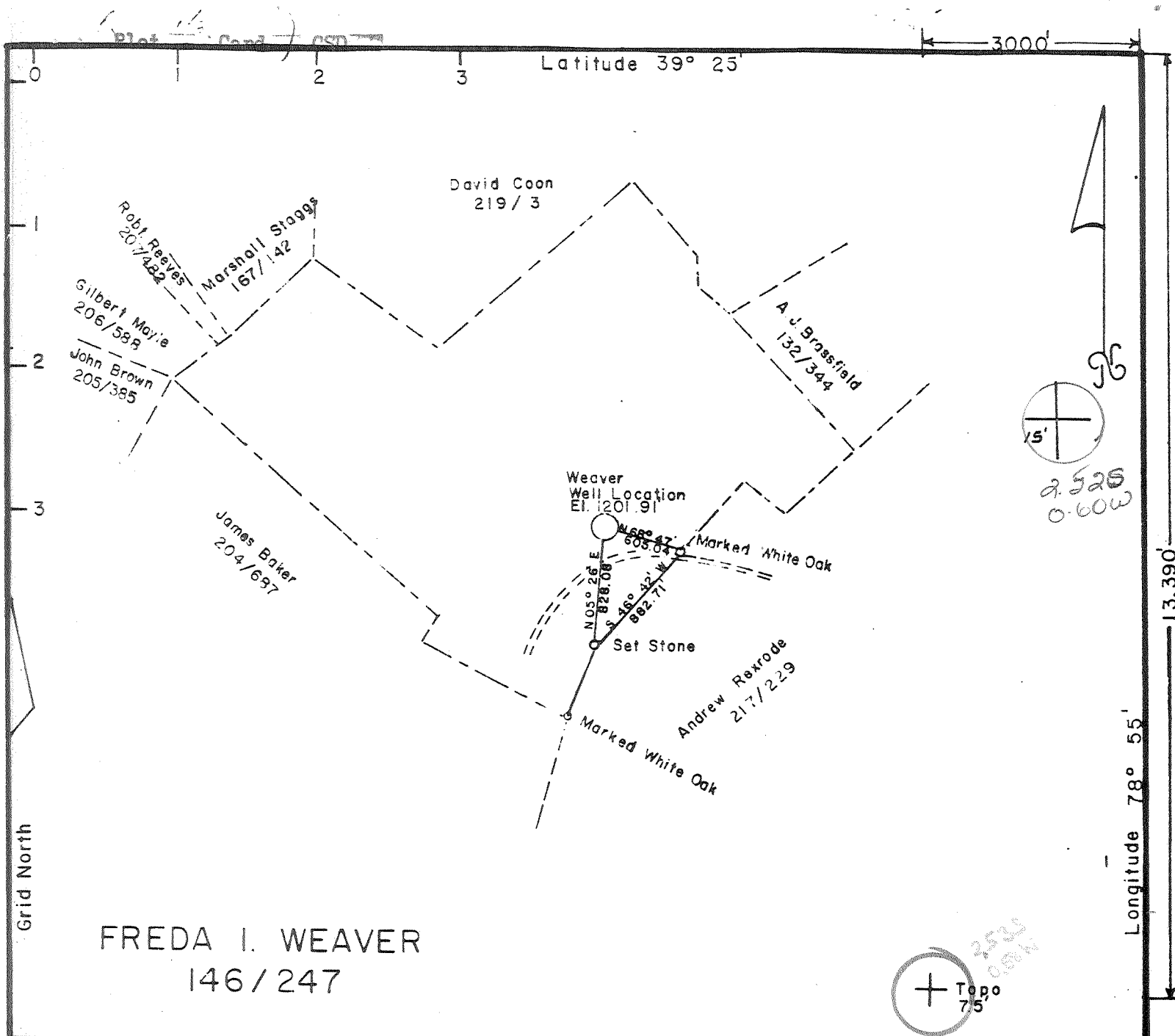
SURFACE OWNER Freda I. Weaver ACREAGE 201
 OIL & GAS ROYALTY OWNER Freda I. Weaver LEASE ACREAGE 201
 LEASE NO. 214/501

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 Martinsburg ESTIMATED DEPTH T.D. 6500'
 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

DEC 4 1981

6-6 Headsville (202)



FREDA I. WEAVER
146/247

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION BM Staggs Run Bridge 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) *Freda I. Weaver*
R.P.E. _____ L.L.S. 69

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

DATE August 9, 19 81
OPERATOR'S WELL NO. ONE
API WELL NO. 057
WV - Mineral 0073
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 ___
ELEVATION 1201.91' WATERSHED Patterson Creek
DISTRICT Cabin Run COUNTY Mineral
QUADRANGLE Keyser or 15' WC

SURFACE OWNER Freda I. Weaver ACREAGE 201
OIL & GAS ROYALTY OWNER Freda I. Weaver LEASE ACREAGE 201
LEASE NO. 214 / 501

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



Well No. 1
Farm Freda I. Weaver
API # 47-057-0073
Date September 3, 1981

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

LOCATION: Elevation: 1201.91' Watershed: Patterson Creek
District: Cabin Run County: Mineral Quadrangle: Keyser

WELL OPERATOR Upland Resources, Inc. DESIGNATED AGENT Talkington-Brady, Inc.
Address P.O. Box 429 Address P.O. Box 1016
Keyser, WV 26726 Keyser, WV 26726

OIL AND GAS ROYALTY OWNER Freda I. Weaver COAL OPERATOR No coal
Address 310 Walnut St. Address
Berryville, VA 22611
Acreage 201

SURFACE OWNER Same COAL OWNER(S) WITH DECLARATION ON RECORD:
Address NAME No coal
Acreage Address
NAME
Address

FIELD SALE (IF MADE) TO:
NAME Not made to date COAL LESSEE WITH DECLARATION ON RECORD:
Address NAME No coal
Address

OIL AND GAS INSPECTOR TO BE NOTIFIED:

NAME Robert S. Stewart
Address P.O. Box 345
Jane Lew, WV 26378
Telephone (304) 884-7782

RECEIVED

SFP 8 - 1981

OIL AND GAS DIVISION
WV DEPARTMENT 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 Mar.28, 1979, to the undersigned well operator from .

(If said deed, lease, or other contract has been recorded:)

Recorded on April 2, 1979, in the office of the Clerk of County Commission of

Mineral County, West Virginia, in 214 Book at page 501. A permit is requested as follows:

PROPOSED WORK: Drill x / Drill Deeper / Redrill / Fracture or stimulate X /
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 receipt of this Application by the Dept. 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 lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

BLANKET BOND

Upland Resources, Inc.
Well Operator
By: Michael A. Partridge
Michael A. Partridge
Its: Manager, Energy Source Planning

(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. Jack Drilling Co.

Address P.O. Box 697

Indiana, PA 15701

GEOLOGICAL TARGET FORMATION Helderberg

Estimated depth of completed well 3,800 feet. Rotary / Cable tools X /

Approximate water strata depths: Fresh, feet; salt, feet.

Approximate coal seam depths: No coal

Is coal being mined in this area: Yes / No X /

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	Left in Well		
Conductor									Kinds
Fresh water	8 5/8	A	24.7	X		1000	Cement to surface		Sizes
Coal									Depths set
Intermed.									
Production	4 1/2	A	10.5	X					Perforations:
Tubing									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

[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 regularions.

Date: , 19 .

By:

Its:

RECEIVED

NOV 16 1981

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. Jack Drilling Company

Address P.O. Box 697

Indiana, PA 15701

GEOLOGICAL TARGET FORMATION Martinsburg

Estimated depth of completed well 6500 feet. Rotary X / 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 X /

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	Left in Well		
Conductor									Kinds
Fresh water	8-5/8	A	24.7	X		400	Cement	to surface	
Coal									Sizes
Intermed.									
Production Tubing	4-1/2	A	10.5	X			Cement	from bottom of well to 1500' above bottom	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.

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 revised permit. This permit shall expire if operations have not commenced by 7-17-82

Fred Ruppelt
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:

IV-35
(Rev 8-81)

24 1984



OIL & GAS DIVISION State of West Virginia
DEPT. OF MINES Department of Mines
Oil and Gas Division

Date July 18, 1984
Operator's
Well No. 1
Farm F.I. Weaver
API No. 47 - 057 - 0073 Rev.

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 ___ / Underground Storage ___ / Deep ___ / Shallow ___ /)

LOCATION: Elevation: 1202 G.L. Watershed Paterson Creek
District: Cabin Run County Mineral Quadrangle Keyser

COMPANY Upland Resources, Inc.
ADDRESS P.O. Box 429, Keyser, WV 26726
DESIGNATED AGENT Talkington-Brady, Inc.
ADDRESS P.O. Box 1016, Keyser, WV 26726
SURFACE OWNER Freda I. Weaver
ADDRESS 310 Walnut Street. Berryville, VA 22611
MINERAL RIGHTS OWNER Same
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Robert Stewart
ADDRESS P.O. Box 345, Jane Lew, WV
PERMIT ISSUED 9/8/81
DRILLING COMMENCED 11/6/81 ✓
DRILLING COMPLETED 4/25/83
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	43	0	
9 5/8			
8 5/8	1074	1074	To Surface 150 Sks
7			
5 1/2			
4 1/2	4492'	4492'	To 1800' 145 Sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany Depth 4100 feet
Depth of completed well 4566 feet Rotary x / Cable Tools _____
Water strata depth: Fresh 38-250' feet; Salt None feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation W. O. Completion Pay zone depth 4200-4500 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ Mcf/d Final open flow _____ Bbl/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 _____ Bbl/d
Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

AUG 20 1984

(Continue on reverse side)

