

39 27 45
78 48 40



THOMPSON FOREBACK
166 / 389

JAMES SAVILLE
198 / 604

Oglebay
Well no. 1

S 66° 11' E
3142.02'

Chestnut Oak

S 57° 24' E
1345.96'

Post

Oglebay
Well no. 2
El. 722.11'

FRANK SHREVE
209 / 307

RICHARD HARE
117 / 156
WAYMAN WILSON
121 / 348

Patterson Creek

RAYMOND ANDERSON
67 / 142

CHARLES & THOMAS OGLEBAY
120 / 410

+ Topo 7.5'

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF
ACCURACY 1 in 200
PROVEN SOURCE OF
ELEVATION Spot Elevation $\frac{E}{}$
Stake Rt 46 & WV Sec Rt 46/14

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 REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF MINES.
(SIGNED) *E. P. Radwin*
R.P.E. _____ L.L.S. 69

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

DATE August 25, 1981
OPERATOR'S WELL NO. Two
API WELL NO. _____
WV - Mineral - 0072
STATE COUNTY PERMIT

FORM IV-6
(8-78)

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW ___
ELEVATION 722.11' WATER SOURCE Patterson Creek
DISTRICT Frankfort COUNTY Mineral

QUADRANGLE Headsville Keyser 13' NE
SURFACE OWNER Charles & Thomas Oglebay ACREAGE 225
OIL & GAS ROYALTY OWNER Charles & Thomas Oglebay LEASE ACREAGE 225
LEASE NO. 214 / 679

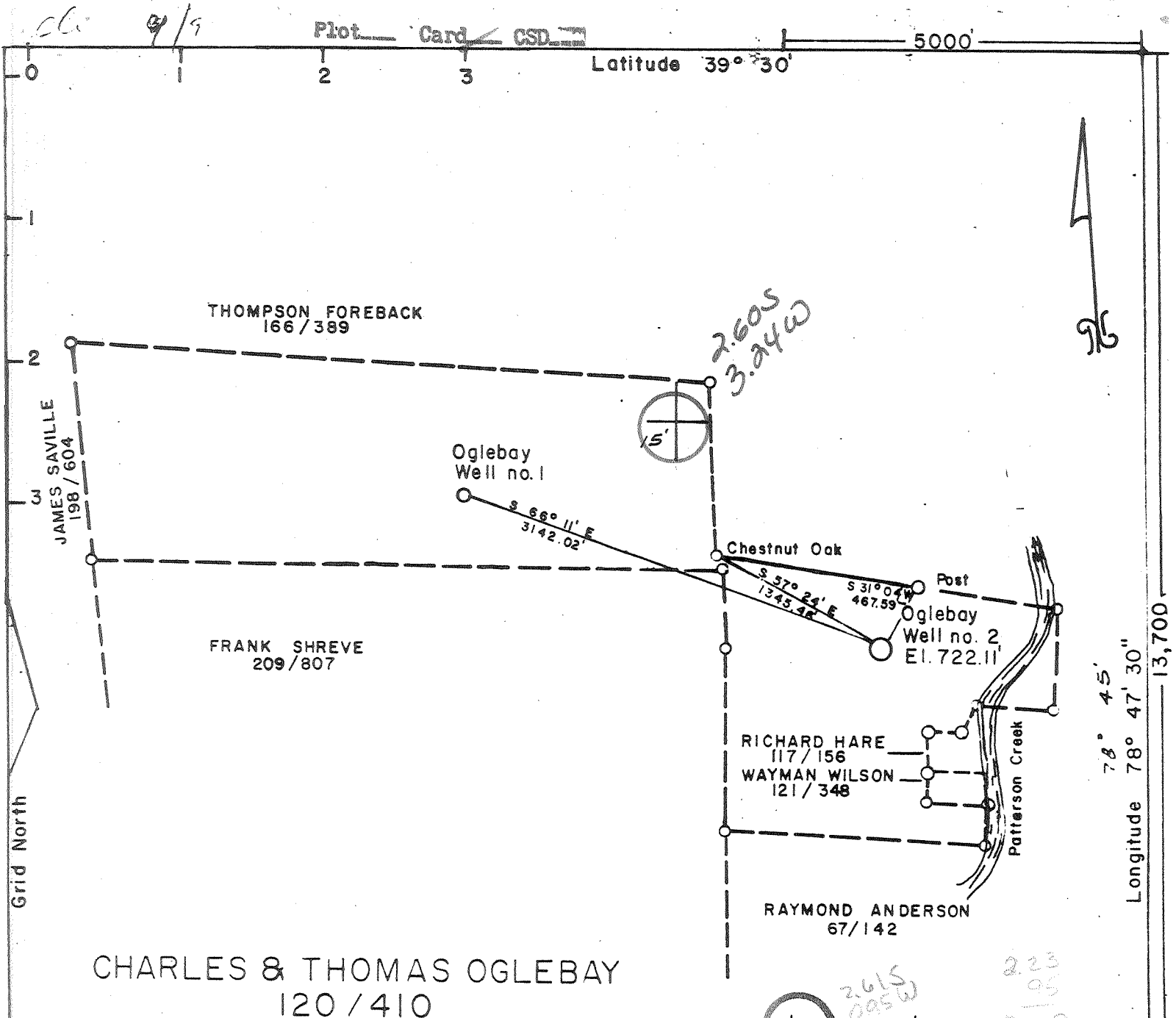
PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

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

G-G HEADSVILLE N SEP 28 1981

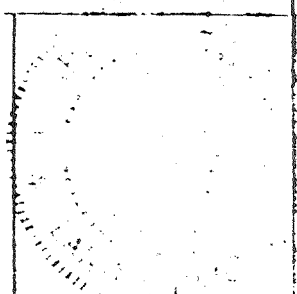
deep well

335 336



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Spot Elevation E
 Stake Rt 46 & WV Sec. Rt 46/14

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. D. Anderson
 R.P.E. _____ L.L.S. 69



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

DATE August 25, 1981
 OPERATOR'S WELL NO. Two
 API WELL NO. _____
 WV - Mineral - 057 - 0072-RW
 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 722.11' WATER SOURCE Patterson Creek
 DISTRICT Frankfort COUNTY Mineral
 QUADRANGLE Headsville
 SURFACE OWNER Charles & Thomas Oglebay ACREAGE 225
 OIL & GAS ROYALTY OWNER Charles & Thomas Oglebay LEASE ACREAGE 225
 LEASE NO. 214 / 679
 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 Keyser ESTIMATED DEPTH T.D. 2400' 5000'
 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

MAR 9 1982



Well No. 2
Farm Oglebay
API # 47 - 057 - 0072
Date August 31, 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: 722.11' Watershed: Patterson Creek
District: Frankfort County: Mineral Quadrangle: Keyser

WELL OPERATOR Upland Resources, Inc.
Address P.O. Box 429
Keyser, WV 26726

DESIGNATED AGENT Talkington-Brady, Inc.
Address P.O. Box 1016
Keyser, WV 26726

OIL AND GAS ROYALTY OWNER Chas. & Thomas Oglebay
Address 810 Forrest Glen Road
Silver Springs, MD 20901
Acreage 225

COAL OPERATOR No coal
Address _____

SURFACE OWNER Same
Address _____
Acreage _____

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME No coal
Address _____
NAME _____
Address _____

FIELD SALE (IF MADE) TO:
NAME Not made to date
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
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

SEP 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. 20, 1979, to the undersigned well operator from _____.

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

Recorded on April 18, 1979, in the office of the Clerk of County Commission of Mineral County, West Virginia, in 214 Book at page 679. 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) Talkington-Brady, Inc.
Address P.O. Box 1016
Keyser, WV 26726

GEOLOGICAL TARGET FORMATION Williamsport
Estimated depth of completed well 3,200 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 Kinds Sizes Depths set Perforations: Top Bottom
	Size	Grade	Weight per ft	New	Used	For Drill-ling	Left in Well		
Conductor									
Fresh water	8 5/8	A	24.7	X		<u>400</u>			Cement to surface
Coal									
Intermed.									
Production	4 1/2	A	10.5	X				<u>300</u>	<u>Cent</u>
Tubing									
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 regulations.

Date: , 19 .

By:

Its:



(Revised 3-81)

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: 722.11' Watershed: Patterson Creek
District: Frankfort County: Mineral Quadrangle: Keyser

WELL OPERATOR Upland Resources, Inc.
Address P.O. Box 429
Keyser, WV 26726

DESIGNATED AGENT Talkington-Brady, Inc.
Address P.O. Box 1016
Keyser, WV 26726

OIL AND GAS ROYALTY OWNER Chas. & Thomas Oglebay
Address 819 Forrest Glen Road
Silver Springs, MD 20901
Acreage 225

COAL OPERATOR No Coal
Address _____

SURFACE OWNER Same
Address _____
Acreage _____

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME No Coal
Address _____
NAME _____
Address _____

FIELD SALE (IF MADE) TO:
NAME Not made to date
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
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

FEB 17 1982

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. 20, 1979, to the undersigned well operator from _____.

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

Recorded on April 18, 1979, in the office of the Clerk of County Commission of Mineral County, West Virginia, in 214 Book at page 679. 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: William D. Harrow
William D. Harrow
Administration Supervisor

(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) Talkington-Brady, Inc.
Address P.O. Box 1016
Keyser, WV 26726

GEOLOGICAL TARGET FORMATION Keifer
Estimated depth of completed well 4,500 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		
Conductor								Kinds
Fresh water	8-5/8	A	20.0	X		400	Cement to surface	
Coal								Sizes
Intermed.								
Production Tubing	4-1/2	A	10.5	X			500 SKS	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 ON 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 10-24-82.
[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 regulations.

Date: , 19 .
By:
Its:

IV-35
(Rev 8-81)



State of West Virginia
Department of Mines
Oil and Gas Division

Date March 17, 1982
Operator's
Well No. 2
Farm Oglebay
API No. 47 - 057 - 0072

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 X / Shallow ___ /)

LOCATION: Elevation: 722.11 Watershed Patterson Creek
District: Frankfort County Mineral Quadrangle Headsville

COMPANY Upland Resources
ADDRESS c/o Westvaco
299 Park Avenue, NY, NY 10017
DESIGNATED AGENT Brady
ADDRESS P. O. Box 1016, Keyser, WV 26726
SURFACE OWNER Charles & Thomas Oglebay
ADDRESS 819 Forest Glenn Rd, Silver Springs,
MD 20901
MINERAL RIGHTS OWNER same as above surface
owner
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Robert
Stewart ADDRESS P.O.Box 345, Jane Lew, WV
PERMIT ISSUED July 1, 1981
DRILLING COMMENCED September 11, 1981
DRILLING COMPLETED February 16, 1982
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.	20'		
13-10"			
9 5/8			
8 5/8	726'	726'	cement to surface
7			
5 1/2			
4 1/2	4486'		1630' of Fill 200 SKS
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Martinsburg Shale Depth 5000' feet
Depth of completed well 4495' feet Rotary ___ / Cable Tools XX
Water strata depth: Fresh 80' feet; Salt ___ feet
Coal seam depths: N/A Is coal being mined in the area? N/A

OPEN FLOW DATA

Producing formation Keefe Sandstone Pay zone depth 4442' feet
Gas: Initial open flow 60 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 40 Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 9 hours
NO SHUT IN TEST TAKEN
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

(Continue on reverse side)

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

Perforated at 4446' - 4464' - 23 Shots
 Fractured with a 20# water gel system of 750 bbls of fluid,
 320 Sacks of 20/40 sand; 290,000 SCF, N₂

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Brallier Formation			Surface	420'	
Harrell Shale			420'	830'	
Hamilton Formation			830'	1430'	
Marcellus Shale			1430'	1750'	
Parcel Member of Marcellus Shale			1750'	1850'	
Lower Marcellus Shale			1850'	1930'	
Tioga Bentonite			1930'	1940'	
Needmore Shale			1940'	2100'	
Oriskany Sandstone			2100'	2300'	
Shiver Chert			2300'	2420'	
Mandata Shale			2420'	2486'	
Coeymans Lm			2486'	2530'	
Keyser Lm			2530'	2885'	
Tonoloway Lm			2885'	3725'	
Wills Creek Formation			3725'	4114'	
Williamsport SS			4114'	4170'	
McKenzie Formation			4170'	4412'	
Rochester Shale			4412'	4444'	
<u>Keefer Sandstone</u>			4444'	4468'	
T.D.				4495'	

(Attach separate sheets as necessary)

Upland Resources INC.

Well Operator

By:

Joy V. Pugh

Date:

4/16/82

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."