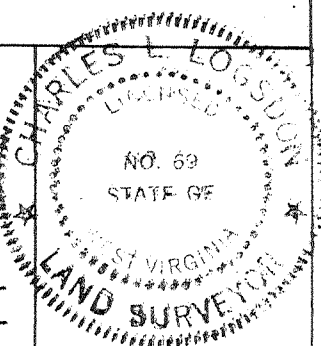


Surface & Minerals
Virginia Fertig
 133/537

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION U.S.C.&G. BM
Reeses Mill Bridge

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) Charles L. Logsdon
 R.P.E. _____ L.L.S. 69



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

DATE June 9, 1981
 OPERATOR'S WELL NO. _____
 API WELL NO. _____
WV - Mineral - 057
 STATE COUNTY PERMIT 0067-P

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

*Revised Estimated
 Depth + Formation*

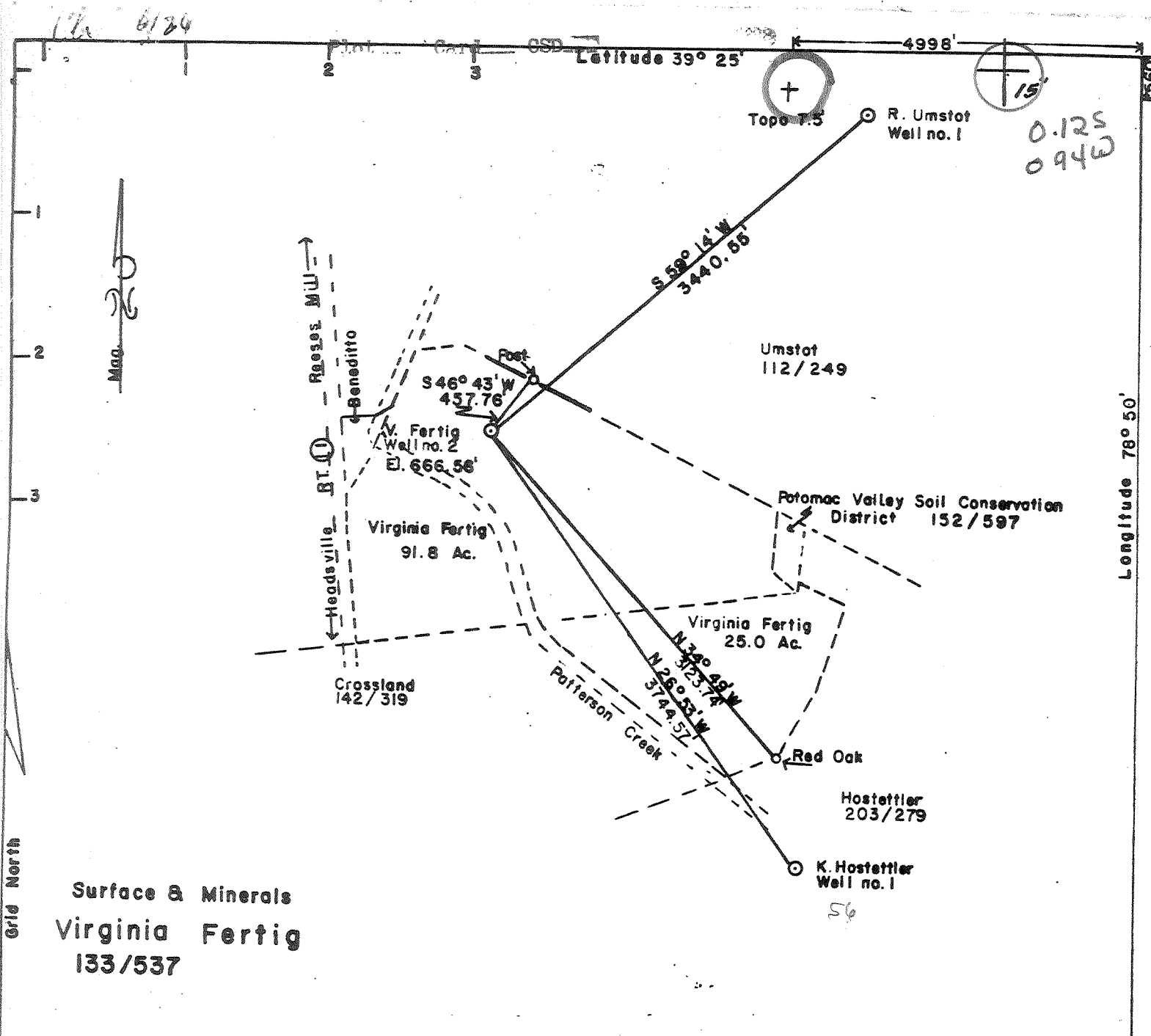
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 666.56' WATER SHED Patterson Creek
 DISTRICT Cabin Run COUNTY Mineral
 QUADRANGLE Headsville

SURFACE OWNER Virginia Fertig ACREAGE 118.55
 OIL & GAS ROYALTY OWNER Virginia Fertig LEASE ACREAGE 120
 LEASE NO. 207/612

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

Martinsburg
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ 6000'
 TARGET FORMATION Oriskany Sand ESTIMATED DEPTH 2400'±

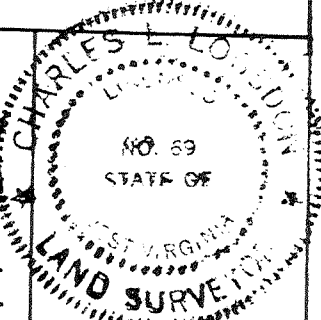
WELL OPERATOR Upland Resources DESIGNATED AGENT Ralph E. Webb, Agent
 ADDRESS Westvaco Building - 200 Park Avenue ADDRESS Rt.1, Box 117
New York, N.Y. 10017 Burlington, WVa. 26710-0117



Surface & Minerals
Virginia Fertig
 133/537

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION U.S.C.&G. BM
Reeses Mill Bridge

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) Charles L. London
 R.P.E. _____ L.L.S. 69



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

DATE June 9, 1981
 OPERATOR'S WELL NO. _____
 API WELL NO. _____
WV - Mineral - 0067
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

*Revised Estimated
 Depth + Formation*

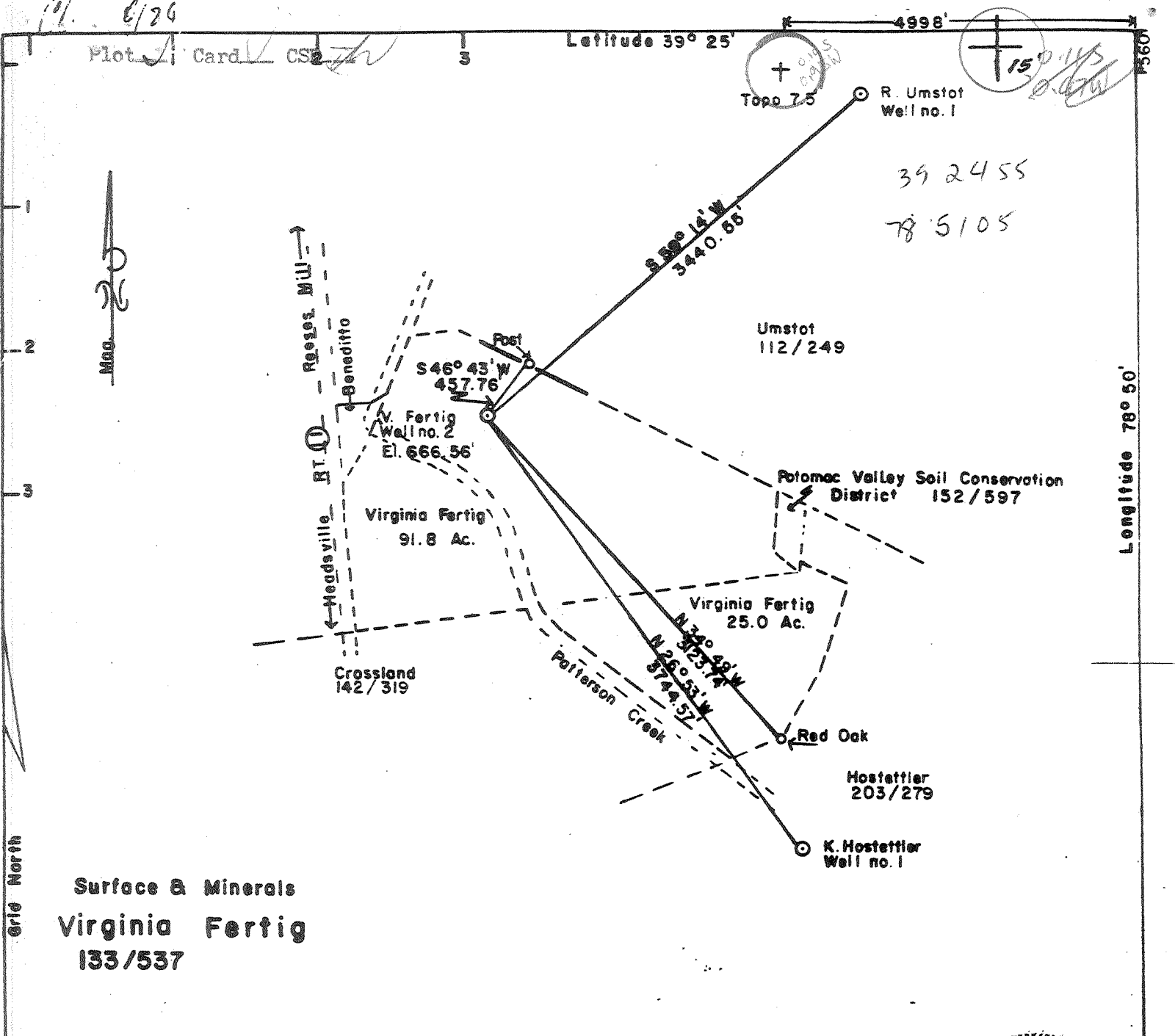
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___

LOCATION: ELEVATION 666.56' WATER SHED Patterson Creek
 DISTRICT Cabin Run COUNTY Mineral
 QUADRANGLE Headsville Keyser 15'C

SURFACE OWNER Virginia Fertig ACREAGE 118.55
 OIL & GAS ROYALTY OWNER Virginia Fertig LEASE ACREAGE 120
 LEASE NO. 207/612

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

Martinsburg
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ ESTIMATED DEPTH 2400'
 TARGET FORMATION Oriskany Sand 6000' DEC 4 1981
 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



Surface & Minerals
Virginia Fertig
 133/537

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION U.S.C.&G. BM
Reeses Mill Bridge

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) *Richard P. Brady*
 R.P.E. _____ L.L.S. 69



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

DATE June 9, 1981
 OPERATOR'S WELL NO. _____
 API WELL NO. _____
 WV - 057 Mineral - 0067
 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 666.56' WATER SHED Patterson Creek
 DISTRICT Cabin Run COUNTY Mineral
 QUADRANGLE Headsville Keyser 15' C
 SURFACE OWNER Virginia Fertig ACREAGE 118.55
 OIL & GAS ROYALTY OWNER Virginia Fertig LEASE ACREAGE 120
 LEASE NO. 207/612
 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 Talkington-Brady
 ADDRESS Westvaco Building - 200 Park Avenue ADDRESS P.O. Box 1016
New York, N.Y. 10017 Keyser, WV 26726
3-3 DEEP WELL HEADSVILLE, N.

JUL 09 1981
 335



Well No. 2

Farm Virginia Fertig

API #47 - 057 - 0067

Date June 19, 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: 666.56 Watershed: Patterson Creek
District: Cabin Run County: Mineral Quadrangle: Headsville

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 Virginia Fertig
Address Rt. 1, Box 200
Keyser, WV 26726
Acreage 120

COAL OPERATOR no coal
Address _____

SURFACE OWNER Virginia Fertig
Address Rt. 1, Box 200
Keyser, WV 26726
Acreage _____

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

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

NAME _____
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

COAL LESSEE WITH DECLARATION ON RECORD:
NAME no coal
Address _____

RECEIVED
JUN 23 1981

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 _____, 19___, to the undersigned well operator from Virginia Fertig.

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

Recorded on Oct. 14, 1976, in the office of the Clerk of County Commission of Mineral County, West Virginia, in 207 Book at page 612. 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 PHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
3 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

BLANKET BOND

Upland Resources, Inc.
Well Operator
By: 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 Oriskany

Estimated depth of completed well 2400 feet. Rotary / Cable tools X /

Approximate water strata depths: Fresh, 50-80 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 Drilling	Left in Well		
Conductor									Kinds
Fresh water	8 5/8	A	24.7	X		400	400	cement to surface	Sizes
Coal									
Intermed.									
Production Tubing	4 1/2	A	10.5	X		2200	2200	cement approx 400' 220 Sks	depths set
Liners								or into 8 3/8	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 §22-4-3a 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 3-1-82.

[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:



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 ___ / Shallow ___ /

LOCATION: Elevation: 666.56 Watershed: Patterson Creek
District: Cabin Run County: Mineral Quadrangle: Headsville

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 Virginia Fertig
Address Rt. 1, Box 200
Keyser, WV 26726
Acreage 120

COAL OPERATOR no coal
Address _____

SURFACE OWNER Virginia Fertig
Address Rt. 1, Box 200
Keyser, WV 26726
Acreage _____

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

FIELD SALE (IF MADE) TO:
NAME _____
Address _____

NAME _____
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

COAL LESSEE WITH DECLARATION ON RECORD:
NAME no coal
Address _____

RECEIVED

NOV 20 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 _____, 19___, to the undersigned well operator from Virginia Fertig.

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

Recorded on Oct. 14, 1976, in the office of the Clerk of County Commission of Mineral County, West Virginia, in 207 Book at page 612. 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
William D. Harrow
By: William D. Harrow
Its: 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) S.W. Jack Drilling Company
Address P.O. Box 697
Indiana, PA 15701

GEOLOGICAL TARGET FORMATION Martinsburg
Estimated depth of completed well 6000 feet. Rotary x / Cable tools /
Approximate water strata depths: Fresh, 50-80 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	24.7	X		400	400	cement to surface
Coal								Sizes
Intermed.								
Production	4-1/2	A	10.5	X				cement from Depths set
Tubing								bottom of well to 1500'
Liners								above bottom 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 7-24-82

John B. Rudolph
Deputy Director - Oil & Gas Division

Survey

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:



JGH
APR 15 1982
COMMISSION ON CONSERVATION

State of West Virginia
Department of Mines
Oil and Gas Division

Date March 17, 1982
Operator's
Well No. 2
Farm V. Fertig
API No. 47 - 057 - 0067

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: 667 Watershed Patterson Creek
District: Cabin Run County Mineral Quadrangle Headsville

COMPANY Upland Resources %Westvaco
ADDRESS 299 Park Avenue, N.Y., N.Y. 10171
DESIGNATED AGENT Brady
ADDRESS P.O. Box 1016, Keyser, WVA 26726
SURFACE OWNER Virginia Fertig
ADDRESS Rt. 1, Box 200, Keyser, WVA 26726
MINERAL RIGHTS OWNER same as surface
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Robert Stewart ADDRESS P.O. Box 345, Jane Lew,
PERMIT ISSUED July 1, 1981 WVA
DRILLING COMMENCED November 19, 1981
DRILLING COMPLETED December 21, 1981
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'	20'	
13-10"			
9 5/8			
8 5/8	992'	992'	cement to surface 150 sack
7			
5 1/2			
4 1/2	5564'	5564'	2550' of fill 450 sacks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Martinsburg Depth 7000' feet
Depth of completed well 5730' feet Rotary XX / Cable Tools _____
Water strata depth: Fresh 40'-350feet; Salt _____ feet
Coal seam depths: No Coal Is coal being mined in the area? _____

OPEN FLOW DATA
Producing formation Keefer Sandstone Pay zone depth 4190' feet
Gas: Initial open flow 57 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 50 Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests _____ 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

057-0067

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

Perforated 4206' - 4225', 20 shots
Fractured with 20# water gel system of 925 bbls,
100 sacks, 20/40 sand; 180 sacks of 10/20/ sand,
410,000 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
Harrell Shale			Surface	330'	Freshwater 85' & 350'
Hamilton Formation			330'	1100'	
Marcellus Shale			1100'	1358'	
Parcell Member of Marcellus Shale			1358'	1418'	
Lower Marcellus Shale			1418'	1546'	
Tioga Bentonite			1546'	1554'	
Needmore Shale			1554'	1690'	
Oriskany Sandstone			1690'	1880'	
Shriver Chert			1880'	2020'	
Mandata Shale			2020'	2060'	
Coeymans Lm			2060'	2080'	
Keyser Lm			2080'	2500'	
Tonoloway Lm			2500'	3340'	
Wills Creek FM			3340'	3754'	
Williamsport Sandstone			3754'	3770'	
McKenzie FM			3770'	4194'	
Keefer Sandstone			4194'	4240'	
Rosehill Fm			4240'	4794'	
Creasptown Iron SS			4794'	4854'	
Rosehill Fm			4854'	4940'	
Tuscarroora SS			4940'	5900'	
Juniata Fm			5900'	6188'	
T.D.				5730'	Lost Bit In Hole at 5730'

6188
1880
4308 expl. log
5730
1880
3850 EXPLFT

(Attach separate sheets as necessary)

Upland Resources
Well Operator
By: Jan V. Pelly
Date: 4/1/62

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 ..., encountered in the drilling of a well."