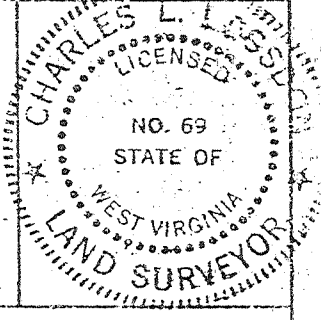


Surface & Minerals
 Jack I. & Jean C. Mullen
 172/561

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 El. 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) Charles L. Lessel
 R.P.E. _____ L.S. 69



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

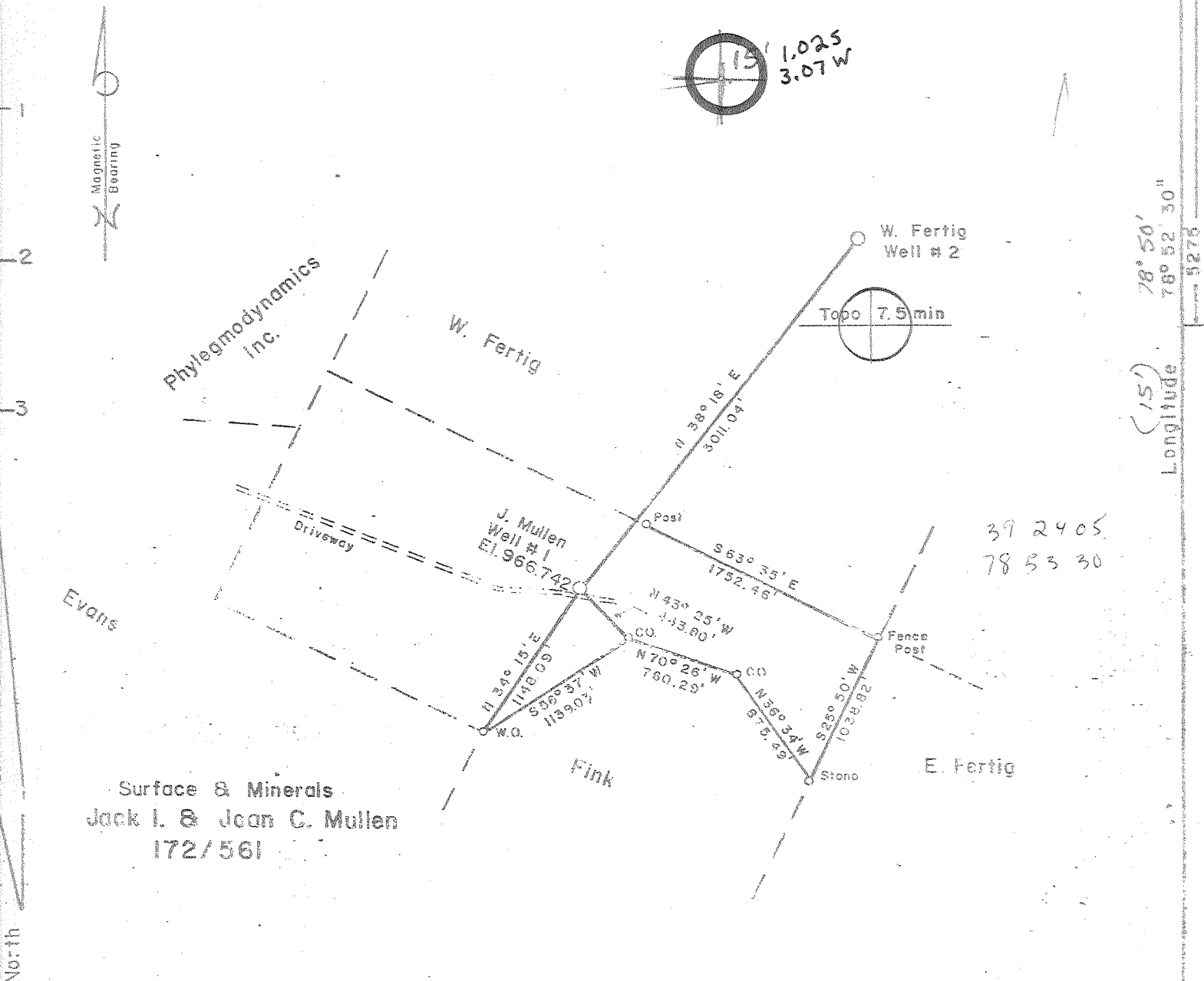
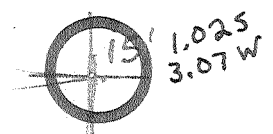
DATE Sept 25, 19 80
 OPERATOR'S WELL NO. Dnc
 API WELL NO. 057
 WV Mineral - 0049 - P
 STATE COUNTY PERMIT

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 966.742 WATER SHED Pattersons Creek
 DISTRICT Cabin Run COUNTY Mineral
 QUADRANGLE Keyser 15 4-7 1/2
 SURFACE OWNER Jack I. & Jean C. Mullen ACREAGE 108
 OIL & GAS ROYALTY OWNER Jack I. & Jean C. Mullen LEASE ACREAGE 108
 LEASE NO. D.B. 211 Pg 857
 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. 2600+
 WELL OPERATOR Upland Resources DESIGNATED AGENT Huntley & Huntley
 ADDRESS 1700 Benedum - Tree Building Pittsburgh, Pa. 15222 ADDRESS 1700 Benedum - Tree Building Pittsburgh, Pa. 15222

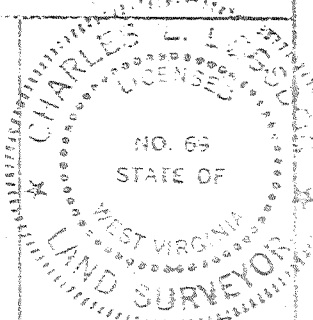
JUL 20 1987



Surface & Minerals
 Jack I. & Jean C. Mullen
 172/561

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION B.M. Bridge over Stags Run at Headsville
 E. 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) Charles L. ...
 R.P.E. _____ I.L.S. 69



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 DATE Sept 25, 19 80
 OPERATOR'S WELL NO. _____
 API WELL NO. 057
 FORM W-6 (8-78)
 WV Mineral 0049
 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 966.742 WATER SHED Pattersons Creek
 DISTRICT Cabin Run COUNTY Mineral
 QUADRANGLE Keyser 15 4 7 1/2 C
 SURFACE OWNER Jack I. & Jean C. Mullen ACREAGE 108
 OIL & GAS ROYALTY OWNER Jack I. & Jean C. Mullen LEASE ACREAGE 108
 LEASE NO. D.B. 211 Pg. 857
 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 CUT AND REPLUG ___
 TARGET FORMATION Oriskany Sand ESTIMATED DEPTH E.D. 2600+
 WELL OPERATOR Upland Resources DESIGNATED AGENT Huntley & Huntley
 ADDRESS 1700 Benedum - Tree Building Pittsburgh Pa 15222 ADDRESS 1700 Benedum - Tree Building

6-0 Headsville (302)



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

Quadrangle Keyser
Permit No. 47-057-0049

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

| | | | | |
|--|---|-----------------------------------|-------------------------------|---|
| Company <u>Upland Resources & Westvaco</u> Address <u>299 Park Ave., NY, NY 10017</u> Farm <u>Mullen</u> Acres <u>108</u> Location (waters) <u>Patterson Creek</u> Well No. <u>1</u> Elev. <u>967</u> District <u>Cabin Run</u> County <u>Mineral</u> The surface of tract is owned in fee by <u>Jack and Jean Mullen</u> Address <u>82 Main St., Westernport, MD</u> Mineral rights are owned by <u>Same</u> <u>21562</u> Address _____ Drilling Commenced <u>12/23/80</u> Drilling Completed <u>2/11/81</u> Initial open flow <u>0</u> cu. ft. _____ bbls. Final production <u>10 McFAF</u> cu. ft. per day _____ bbls. Well open _____ hrs. before test _____ RP. | Casing and Tubing Size 20-16 Cond. 13-10" 9 5/8 8 5/8 7 5 1/2 4 1/2 3 2 Liners Used | Used in Drilling 400' 3463' | Left in Well 400' 3463' | Cement fill up Cu. ft. (Sks.) 190 sks, cement to surface 210 sks |
|--|---|-----------------------------------|-------------------------------|---|

Attach copy of cementing record.

Fracture program by: Halliburton; acid foam frac, four (4) stages, 800 sks, 20/40 sand; 720 bbls fluid.

Coal was encountered at NA Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Oriskany Sandstone Depth 3253

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|-----------------------|-------|--------------|----------|-------------|-------------------|-----------|
| Shale | | | 0 | 2224 | | |
| Upper Marcellus Shale | | | 2224 | 2943 | | |
| Purcell Member | | | 2943 | 3038 | | |
| Lower Marcellus Shale | | | 3038 | 3113 | | |
| Tioga Bentonite | | | 3113 | 3126 | | |
| Needmore Shale | | | 3126 | 3253 | | |
| Oriskany Sandstone | | | 3253 | 3463 | | |
| TD | | | | 3463 | | |

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JUL 23 1981
OIL & GAS DIVISION
DEPT. OF MINES

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | Remarks |
|-----------|-------|--------------|----------|-------------|-------------------|---------|
| | | | | | | |

Date July 17, 1981

APPROVED Upland Resources Owner

GEOLOGICAL CONSULTANTS, INC., AGENT

Manly Stathis

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. #1

API Well No. 47 - 057-0049
State County Permit

WELL TYPE: Oil / Gas xxx /
(If "Gas", Production xxx / Underground storage / Deep xxx / Shallow /)
LOCATION: Elevation: 967 Watershed: Patterson 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

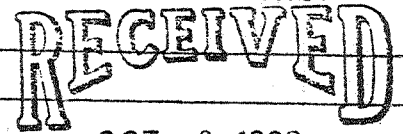
OIL & GAS
ROYALTY OWNER Jack and Jean Mullen
Address 82 Main Street
Westernport, Maryland 21562

COAL OPERATOR N.A.
Address

ACREAGE 108
SURFACE OWNER Same as above

COAL OWNER(S) WITH DECLARATION ON RECORD:

Name N.A.
Address



OCT - 6 1980

Address
Acreage

Name
Address OIL & GAS DIVISION
DEPT. OF MINES

FIELD SALE (IF MADE) TO:
Name
Address

COAL LESSEE WITH DECLARATION ON RECORD:
Name

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

Address

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 August 23, 1978, to the undersigned well operator from Jack I. and Jean C. Mullen
[If said deed, lease, or other contract has been recorded:]

Recorded on August 23, 1978, in the office of the Clerk of the County Commission of Mineral County, West Virginia, in Deed Book 211 at page 857. 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 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
1 WASHINGTON STREET EAST
PLESTON, WV 25311
PHONE: (304) 348-3092

By Robert S. Stewart
Its President

BLANKET BOND

PROPOSED WORK ORDER

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

BILLING CONTRACTOR (IF KNOWN) Talkington-Brady, Inc.

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, 70 feet; salt, None Expected
Approximate coal seam depths: No Coal Is coal being mined in the area: Yes / Noxxx

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 | | |
| conductor | | | | | | | | | Kinds |
| fresh water | 8-5/8 | A | 24.7 | X | | 400' | 400' | Cemented to Surface | |
| coal | | | | | | | | | Sizes |
| intermediate | | | | | | | | | |
| production | 4-1/2 | A | 10.0 | X | | 2600' | 2600' | Cemented to Surface | Depths set |
| tubing | | | | | | | | | |
| 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 this permit must be posted at the well site filed in connection therewith.

drilling. This permit shall expire if

work has not commenced by 6-14-81

John B. Russell
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

Security

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

| | |
|-------------------------|------------------------------|
| Coal Operator or Owner | Upland Resources, Inc. |
| Address | Name of Well Operator |
| Coal Operator or Owner | PO Box 429, Keyser, WV 26726 |
| Address | Complete Address |
| Lease or Property Owner | October 8, 1987 |
| Address | WELL AND LOCATION |
| | Cabin Run District |
| | Mineral County |
| | WELL NO. #1 |
| | #1 Mullens Farm |

STATE INSPECTOR SUPERVISING PLUGGING Phillip Tracy

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of UPSHUR ss:
Larry Helmick and Thearl clutter

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R. L. Wharton LTD, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 2nd day of October, 19 87, and that the well was plugged and filled in the following manner:

| Sand or Zone Record Formation | Filling Material | Plugs Used Size & Kind | Casing | |
|--|------------------|--------------------------------------|---------------|----------------|
| | | | CSG PULLED | CSG LEFT IN |
| 3463 - 3200 | Cement | | | |
| 3200 - 0 | Gel | 4 1/2 | 1670 | 1793 |
| 1670 - 1570 | Cement | | | |
| 900 - 800 | Cement | | | |
| 100 0 | Cement | | | |
| <div style="border: 2px solid black; padding: 5px; display: inline-block;"> RECEIVED DEC 17 1987 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY </div> | | | | |
| Coal Seams | | Description of Monument | | |
| (Name) none | | 6" casing extending above ground 30" | | |
| (Name) | | | | |
| (Name) | | | | |
| (Name) | | | | |

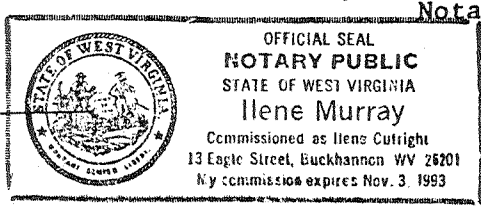
and that the work of plugging and filling said well was completed on the 5th day of October, 19 87.

And further deponents saith not.

Sworn to and subscribed before me this 8th day of October, 19 87.

Larry Helmick
Thearl Clutter
Ilene Murray
Notary Public

My commission expires:
November 3, 1993



Permit No. 47-057-0049-P

DEC 21 1987