

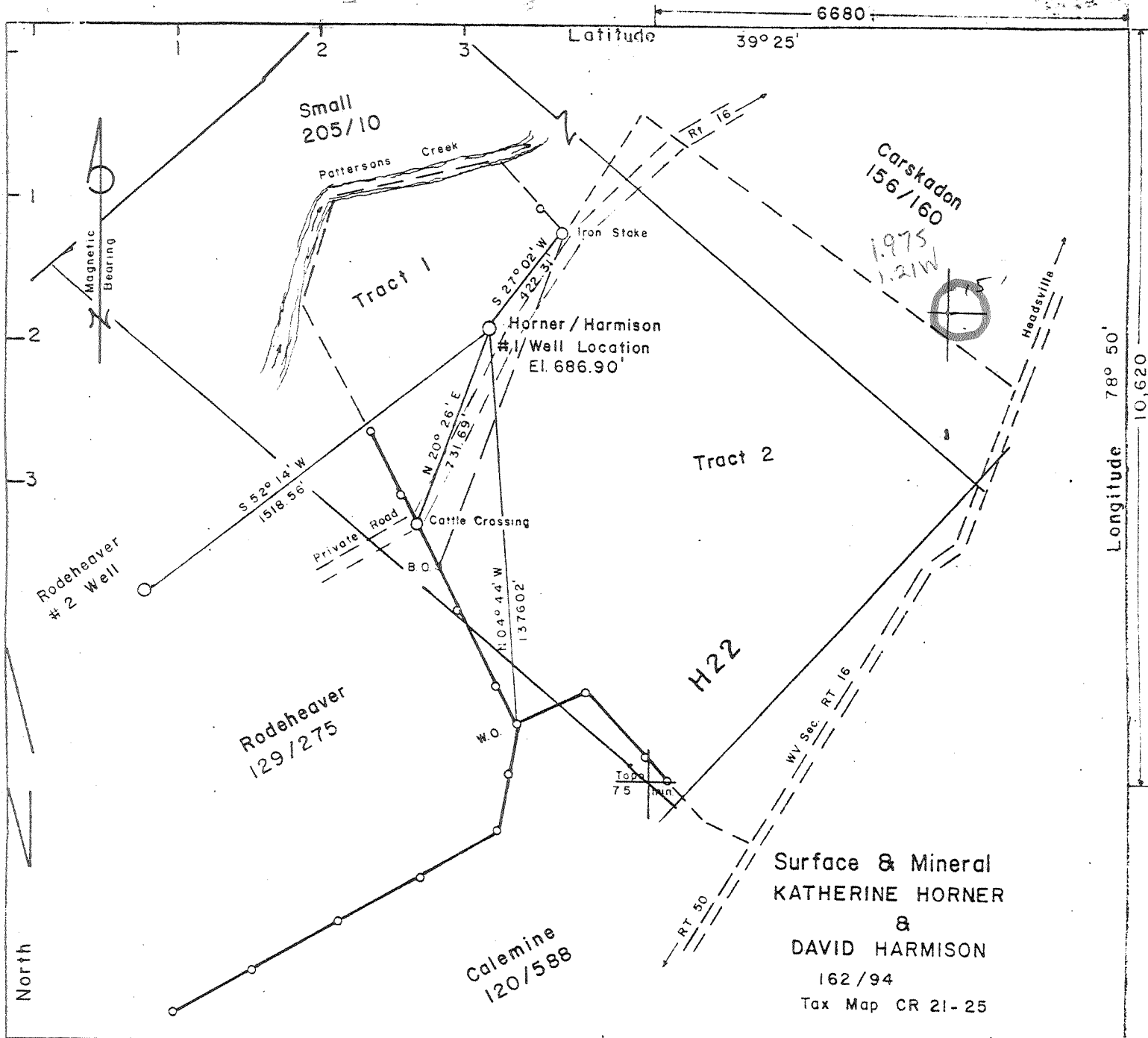
FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION B.M. 685 at NE corner of Bridge Crossing Patterson Creek

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. _____ I.L.S. 69

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 686.90' WATER SHED Pattersons Creek
 DISTRICT Cabin Run COUNTY Mineral
 QUADRANGLE Headsville
 SURFACE OWNER K. Horner & D. Harmison ACREAGE 90 ±
 OIL & GAS ROYALTY OWNER K. Horner & D. Harmison LEASE ACREAGE 100 ±
 LEASE NO. 207/848
 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 Huntley & Huntley
 ADDRESS 1700 Benedum - Tree Building Pittsburgh, Pa. 15222 ADDRESS 1700 Benedum - Tree Building Pittsburgh, Pa. 15222

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 DATE Sept 16, 19 80
 OPERATOR'S WELL NO. _____
 API WELL NO. 057
 WV -- Mineral -- 0050
 STATE COUNTY PERMIT
 CANCELLED
 was: Mineral 19
 FEB 16 1982

Surface & Mineral
 KATHERINE HORNER
 &
 DAVID HARMISON
 162/94
 Tax Map CR 21-25



Surface & Mineral
KATHERINE HORNER
 &
DAVID HARMISON
 162/94
 Tax Map CR 21-25

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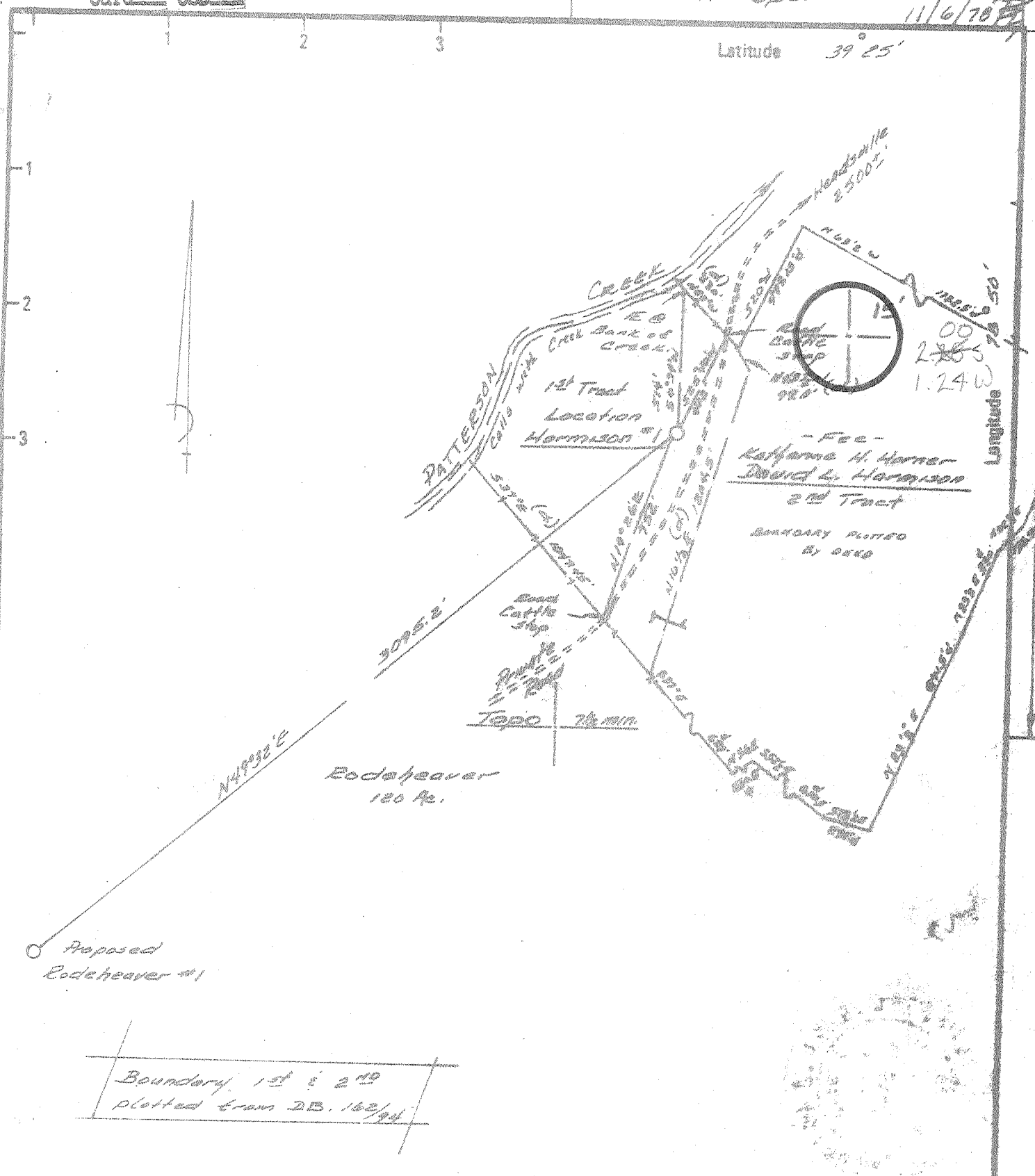
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 OPERATOR'S WELL NO. _____
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 WV -- Mineral -- 0050
 STATE COUNTY PERMIT

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 686.90' WATER SHED Pattersons Creek
 DISTRICT Cabin Run COUNTY Mineral
 QUADRANGLE Headsville
 SURFACE OWNER K. Horner & D. Harmison ACREAGE 90 ±
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 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Oriskany Sand ESTIMATED DEPTH T.D. 2400 ±
 WELL OPERATOR Upland Resources DESIGNATED AGENT Huntley & Huntley
 ADDRESS 1700 Benedum - Tree Building Pittsburgh, Pa. 15222 ADDRESS 1700 Benedum - Tree Building Pittsburgh, Pa. 15222

JAN 2 1981



Boundary 1st & 2nd
 plotted from 2B. 162/94

New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 in 200
 Source of Elevation USCGS BM 666 at NE corner of bridge crossing Patterson Creek 200' NE of location.
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia." Rexford L. Ostrander

C/O HUNTLEY & HUNTLEY, INC.
 Company UPLAND RESOURCES, INC.
 Address 221-43 Ave., Benedum-Treas Bldg Pittsburgh, Pa. 15222
 Farm Katherine H. Horner & David L. Harrison
 Tract First Acres 12 1/4 Lease No. _____
 Well (Farm) No. 002 Serial No. _____
 Elevation (Spirit Level) 678'
 Quadrangle Headsville, KEYSER 16' U
 County Mineral District Cabin Run
 Engineer Rexford L. Ostrander
 Engineer's Registration No. LLS #555
 File No. 0-205, 01 Drawing No. 48-7
 Date 9 Oct. 78 Scale 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

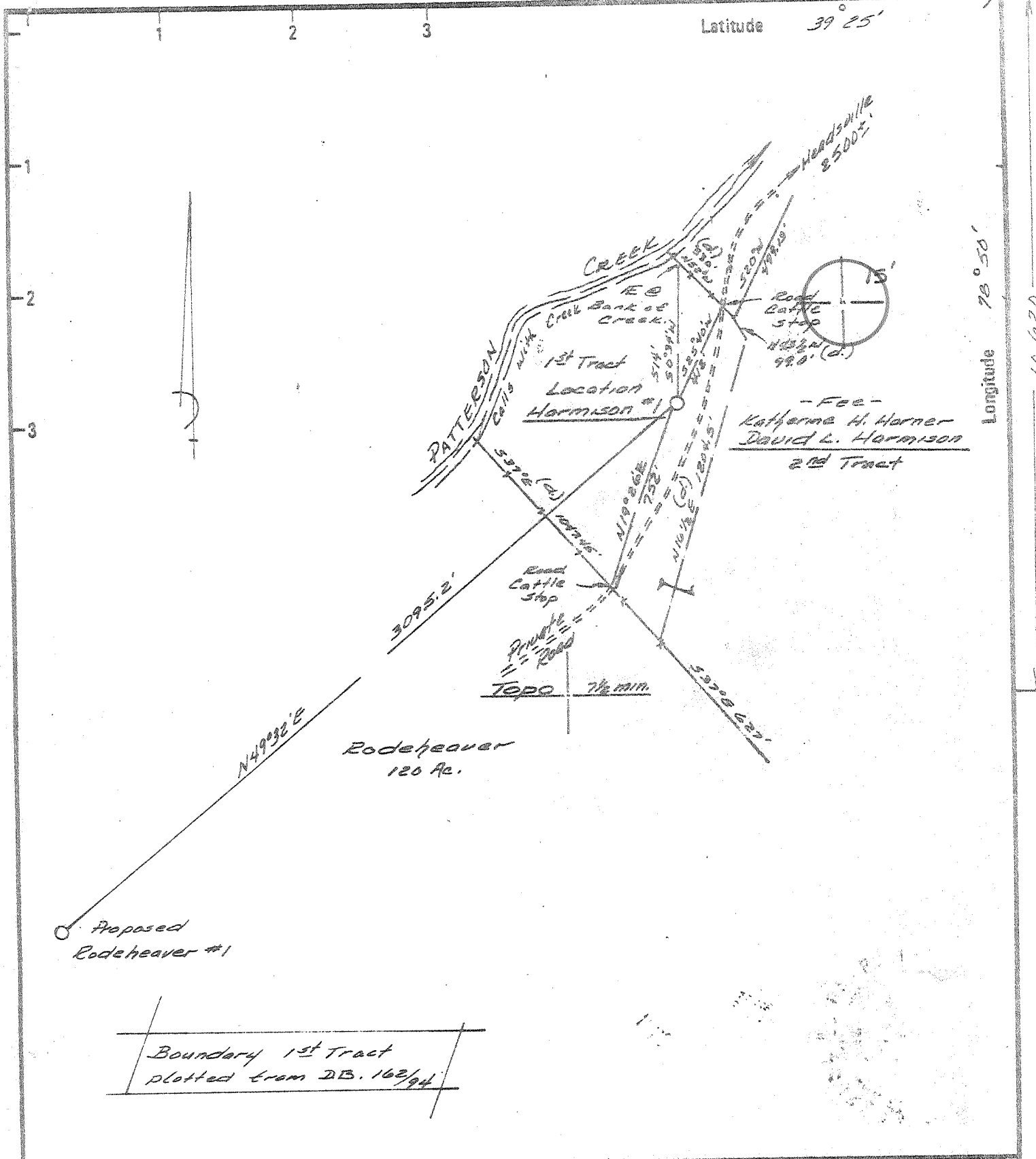
WELL LOCATION MAP
 FILE NO. MIN-19

Drilling Cancelled
 now: Mineral 50

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

-- Denotes one inch spaces on border line of original tracing.

47-057



New Location Drill Deeper Abandonment

Minimum Error of Closure 1 in 200
 Source of Elevation USCGS BN 686 at NE corner of bridge crossing Patterson Creek 2000' NE of location.
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia." Rexford L. Ostrander

Company G/O HUNTLEY & HUNTLEY INC. UPLAND RESOURCES, INC.
 Address 281-4th Ave. Benedum-Trees Bldg. Pittsburgh, Pa. 15222
 Farm Katherine H. Horner & David L. Harmonson
 Tract First Acres 17 1/4 Lease No. _____
 Well (Farm) No. one Serial No. _____
 Elevation (Spirit Level) 678'
 Quadrangle Headsville, KEYSER 15'
 County Mineral District Cabin Run
 Engineer Rexford L. Ostrander
 Engineer's Registration No. LLS #555
 File No. 0-205.01 Drawing No. UR-7
 Date 9 Oct. 78 Scale 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. MIN-19

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

47-057 NOV 30 1978

1900' DRINK



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

NOV -6 1978

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE October 20, 1978
Upland Resources, Inc.
Company c/o Huntley & Huntley, Inc.
Address 1700 Benedum-Trees Bldg., Pittsburgh, Pa.
Farm K.H. Horner & D.L. Harmison 17 1/4 first tr ¹⁵²²²
Location (waters) Patterson Creek
Well No. 1 Elevation 678 (GL)
District Cabin Run County Mineral
Quadrangle Headsville 7 1/2'

Surface Owner Katherine H. Horner & David L.
Address Romney, W. Va. 26757 Harmison
Mineral Owner Katherine H. Horner & David L.
Address Romney, W. Va. 26757 Harmison
Coal Owner NO COAL
Address _____
Coal Operator NOT APPLICABLE
Address _____

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

INSPECTOR

(or drilling). This permit shall expire TO BE NOTIFIED Robert S. Stewart
operations have not commenced by 3-7-79 ADDRESS P.O. Box 345, Jane Lew, W. Va. 26378

Robert S. Stewart
Deputy Director - Oil & Gas Division

PHONE 304-884-7782

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated May 26 1977 by Katherine H. Horner David L. Harmison made to Upland Resources, Inc. and recorded on the 9th day of November 1977, in Mineral County, Book 207 Page 848

XXX NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

Very truly yours, Huntley & Huntley, Inc., Agent for:
Upland Resources, Inc.
(Sign Name) Robert S. Stewart
Well Operator President

W. VA. OIL & GAS CONSERVATION COMMISSION
513 WASHINGTON STREET, EAST
CHARLESTON, WEST VIRGINIA 25311

Address
of
Well Operator

1700 Benedum-Trees Building
Street
Pittsburgh,
City or Town
Pennsylvania 15222
State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

MIN-19 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

47-057

Signed by Robert S. Stewart

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO XXX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Talkington - Brady, Inc. NAME Troy A. Brady, Jr.
 ADDRESS P.O. Box 371, Buckhannon, W. Va. 26201 ADDRESS P.O. Box 371, Buckhannon, W. Va. 26201
 TELEPHONE 304-472-4677 TELEPHONE 304-472-4677
 ESTIMATED DEPTH OF COMPLETED WELL: 1900' ROTARY _____ CABLE TOOLS XXX
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL _____ GAS XXX COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10 Conductor	20	0	Pull
9 - 5/8			
8 - 5/8	300	300	Cement to surface
7			
5 1/2			
4 1/2	1800	1800	Cement to surface
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 40 & 200 FEET _____ SALT WATER NONE FEET _____
 APPROXIMATE COAL DEPTHS NO COAL
 IS COAL BEING MINED IN THE AREA? NO BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

 For Coal Company

 Official Title

(Formerly: MIN-19)

FORM IV-2
(Obverse)

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date: October 3, 1980

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. #1
API Well No. 47 - 057 - 0050
State County Per

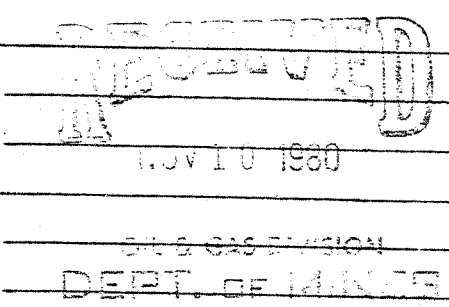
WELL TYPE: Oil / Gas XX /
(If "Gas", Production / Underground storage / Deep XX / Shallow /)

LOCATION: Elevation: 678' Watershed: Patterson Creek
District: Cabin Run County: Mineral Quadrangle: Headsville

WELL OPERATOR Upland Resources c/o Huntley & Huntley, Inc.
Address 1700 Benedum-Trees Bldg. Pittsburgh, Pa. 15222
DESIGNATED AGENT Troy A. Brady, Jr.
Address P.O. Box 371 Buchannon, W.Va. 26201

OIL & GAS ROYALTY OWNER Katherine H. Horner & David L. Harmison
Address Romney, W.Va. 26757
COAL OPERATOR None
Address

ACREAGE 100
SURFACE OWNER Same as Royalty owner
Address
ACREAGE
COAL OWNER(S) WITH DECLARATION ON RECORD:
Name
Address
Name
Address



FIELD SALE (IF MADE) TO:
Name
Address
COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

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

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease xx / other contract / dated May 26, 1977, to the undersigned well operator from K. Horner & D. L. Harmison
[If said deed, lease, or other contract has been recorded:]

Recorded on 9 th Nov., 19 77, in the office of the Clerk of the County Commission of Mineral County, West Virginia, in Keyser Book 207 at page 848. A permit is requested as follows:

PROPOSED WORK: Drill X / 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 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 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.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
615 WASHINGTON STREET EAST
CHARLESTON, WV 25301
TELEPHONE: (304) 348-2992

Huntley & Huntley, Inc., Agent for:
Upland Resources, Inc., Operator
By Tracy Bartholomew, II
Its Vice President - Operations

BLANKET BOARD

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. 304-472-4677

Address P.O. Box 371
Buchannon, W.Va. 26201

MINERAL TARGET FORMATION, Oriskany

Estimated depth of completed well, 2200 feet Rotary / Cable tools xx /

Approximate water strata depths: Fresh 40-200 feet; salt, feet.

Approximate coal seam depths: No Coal Is coal being mined in the area? Yes / No xx /

PACING AND TUBING PROGRAM

TUBING OR TYPING 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	8 5/8	H	24.7	xx		400	400	to surface	Kinds
Flush water									Sizes
Intermediate									
Production	4.5	K	10.0				2200'	to surface	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 2.05 of the Department of Mines provides that the original and four copies of Form IV-35 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 filed on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-1a from the owner of any water well or drilling within 500 feet of the proposed well.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

Form IV-35 shall not be required for fracturing or stimulating a well as defined in Chapter 22, Code of West Virginia, so long as such work is done in connection therewith. All operations 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 8-2-81.

Thomas E. Hargrett
Deputy Director - Oil & Gas Division

The undersigned coal operator and by any coal owner or lessee who has returned a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I T 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.

By _____
Its _____