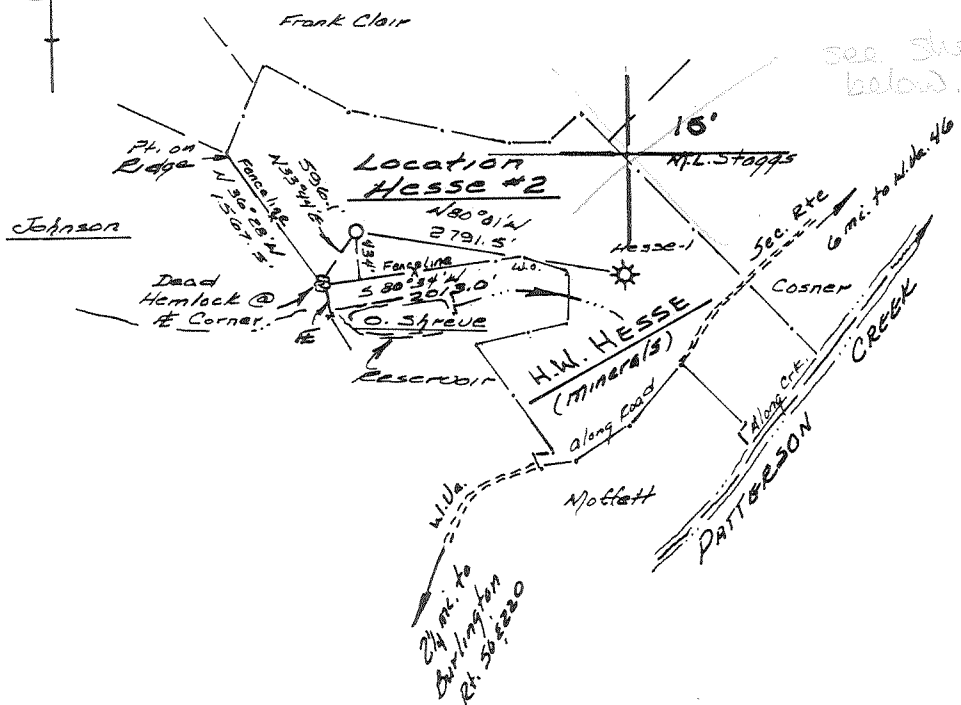


9/13/78

Latitude (15') 39° 22' 30" 39° 25'

Topo 7 1/2 min.

Longitude (15') 78° 50' 78° 52' 30"



Surface: Mineral County Parks and Recreation Commission.
Minerals: Hobart W. & Muriel F. Hesse
 Refer to deedbook 112/177 for boundary description.

751oc
 9,325 39° 22' 30"
 109 W 78° 52' 30"
 Calc 151oc
 3205
 232 W
 W 219 1010

New Location <input checked="" type="checkbox"/> Drill Deeper <input type="checkbox"/> Abandonment - 9/16/82 Upland Resources, Inc. c/o Westvaco Corporation 299 Park Avenue New York, N.Y. 10171	Minimum Error of Closure 1 in 200 Source of Elevation Spot elevation 717' at road intersection 2900' southeast of location. "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and information required by paragraph 6 of the rules and regulations of the mining laws of West Virginia." <i>Rexford L. Ostrander</i>
Company Mineral County Parks and Recreation Commission	STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION CHARLESTON WELL LOCATION MAP FILE NO. <u>MIN-18-P</u>
Tract _____ Acres <u>202</u> Lease No. _____ Well (Farm) No. <u>Hesse #2</u> Serial No. _____ Elevation (Spirit Level) <u>939.1'</u> Quadrangle <u>KEYSER 15'</u> <u>Burlington - 7 1/2 min. Series</u> County <u>Mineral</u> District <u>Cabin Run</u> Engineer <u>Rexford L. Ostrander, LLS</u> Engineer's Registration No. <u>LLS #555</u> File No. <u>0-205.01</u> Drawing No. <u>UR-5</u> Date <u>10 July, 1978</u> Scale <u>1" = 2000'</u>	
† 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

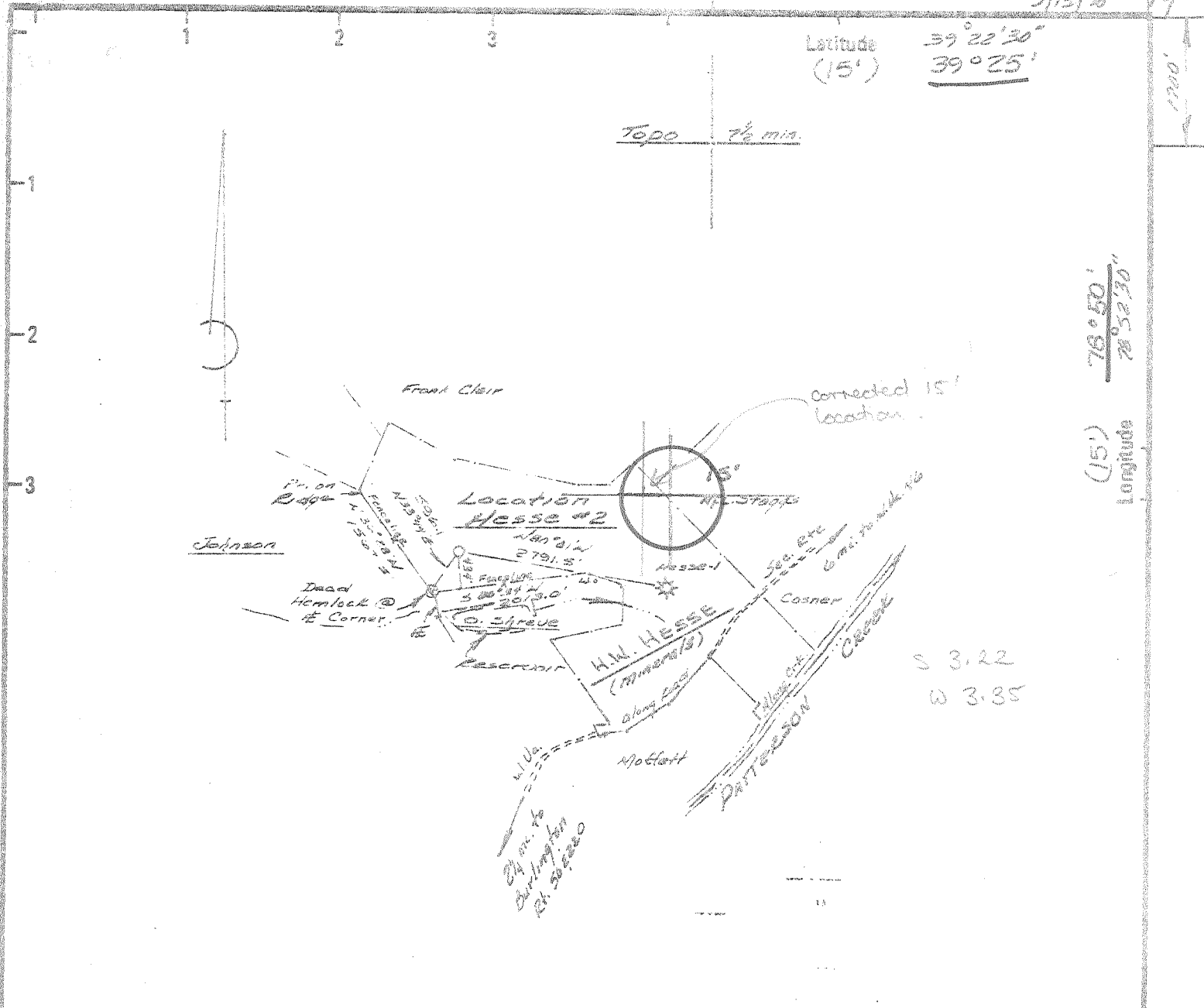
SEP 28 1978

2050' Criskamp

Topo 7 1/2 mis.

76° 50'
78° 52' 30"

(15')
Longitude



Surface: Mineral County Parks and Recreation Commission.
Minerals: Hobart W. & Marjorie F. Hesse
Refer to deed book 112/119 for boundary description.

New Location <input checked="" type="checkbox"/>	Minimum Error of Closure 1 in 200
Drill Deeper <input type="checkbox"/>	Source of Elevation Spot elevation 217' at road intersection 2900' southeast of location.
Abandonment <input type="checkbox"/>	"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." <i>Rexford L. Ostrander</i>

Company c/o HUNTLEY & HUNTLEY, INC.
UPLAND RESOURCES, Inc.
 Address 1700 Benedum - Trees Bldg.
Pittsburgh, Penna. 15222
 Farm Mineral County Parks and Recreation Commission
 Tract — Acres 202 Lease No. —
 Well (Farm) No. Hesse #2 Serial No. —
 Elevation (Spirit Level) 939.1'
 Quadrangle KEY 35P 15'
Burlington - 7 1/2 min. Series
 County Mineral District Cabin Run
 Engineer Rexford L. Ostrander, LLS
 Engineer's Registration No. LLS #555
 File No. 0-205.01 Drawing No. UR-5
 Date 10 July, 1978 Scale 1" = 2000'

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

WELL LOCATION MAP
FILE NO. MIN-18

+ 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.

Deep Well 6-0 Headsville (302)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

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JUL - 9 1979
47-057-0018
OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Rotary _____ Oil _____
Cable XX _____ Gas Temp. Abandon _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Quadrangle Burlington 7 1/2'

Permit No. MIN-018
(057)

Company Upland Resources, Inc.
Address 1700 Benedum-Trees Bldg., Pgh, PA 15222
Farm Hobart Hesse Acres _____
Location (waters) Patterson Creek
Well No. -2- Elev. 939'
District Cabin Run County Mineral

The surface of tract is owned in fee by Mineral County
Parks & Recreation Commission
Address P.O. Drawer 250, Keyser, WV 26726
Mineral rights are owned by Hobart W. & Muriel F. Hesse
Address Rt. 4, Box 97, Keyser, WV 26726

Drilling Commenced 9-29-78
Drilling Completed Shut-in 12/4/78
Initial open flow Show cu. ft. _____ bbls.
Final production 0 MCF cu. ft. per day _____ bbls.
Well open _____ hrs. before test 0# RP.

Well treatment details:

Well fraced Halliburton 11/27/78
TEMPORARILY ABANDONED

Casing and Tubing	Used in Drilling	Left in Well
Size		
20-16		
Cond.		
13-10"		
9 5/8		
8 5/8	301'	301'
7	1198'	
6 1/2		
4 1/2		2861'
3		
2		
Liners Used		

Cement fill up
Cu. ft. (Sks.)

50 sks. cemented
to surface
Pulled 11/24/78

(to surface)

Attach copy of cementing record.
2796' - 2836' 20 shots ORISKANY

Coal was encountered at NONE Feet _____ Inches _____
Fresh water 200' Feet _____ Salt Water _____ Feet _____
Producing Sand SHOW FROM ORISKANY Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
GAMMA RAY LOG:						
GENESEE FM.			0	1319'		F.W. @ 200'
HAMILTON FM.			1319'	2153'		
MARCELLUS SHALE			2153'	2397'		
TIOGA METABENTONITE			2397'	2448'		
ONANDAGA LIME			2448'	2459'		
NEEDMORE SHALE			2459'	2598'		
ORISKANY SANDSTONE			2598'	2845'		Shows @ 2793', 2798'
HELDERBERG LIMESTONE			2845'	2875'		
TOTAL DEPTH			2875'			

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OIL & GAS DIVISION
DEPT. OF MINES

(over)

* Indicates Electric Log tops in the remarks section.



RECEIVED
SEP 13 1978

RECEIVED
JUL 24 1978

OIL & GAS DIVISION
STATE OF WEST VIRGINIA DEPARTMENT OF MINES

W. VA. OIL & GAS
CONSERVATION COMMISSION

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE Upland Resources, Inc.

Surface Owner Mineral Co., Parks & Recreation Comm Company c/o Huntley & Huntley, Inc.

Address P.O. Drawer 250, Keyser, W. Va. 26726 Address 1700 Benedum-Trees Bldg., Pgh, Pa. 15222

Mineral Owner Hobart W. & Muriel F. Hesse Farm Hesse Acres 202

Address Rt. 4, Box 97, Keyser, W. Va. 26726 Location (waters) Patterson Creek

Coal Owner No Coal Well No. -2- Elevation 939.1'

Address _____ District Cabin Run County Mineral

Coal Operator Not Applicable Quadrangle Burlington - 7 1/2

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 for drilling. This permit shall expire if operations ~~have not~~ commenced by 1-14-79.

John F. Hill

Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED Robert S. Stewart

ADDRESS P.O. Box 345, Jane Lew, W. Va. 26378

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 April 20 1965 by Hobart W. Hesse, et ux made to Joyce Pipe Line Company and recorded on the 24th day of March 1976, in Mineral County, Book 155 Page 229

XXXX 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.

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

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

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-18 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12b 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 XXXX 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. 262
 TELEPHONE 304-472-4677 TELEPHONE 304-472-4677
 ESTIMATED DEPTH OF COMPLETED WELL: 2050' ROTARY _____ CABLE TOOLS XXXX
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL _____ GAS XXXX 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	60 Feet	60 Feet	cement to surface
9 - 5/8			
8 - 5/8	300 Feet	300 Feet	cement to surface
7	900 Feet		
5 1/2			
4 1/2	2050 Feet		cement to surface
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 75 FEET SALT WATER 275 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 Not Applicable 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 Not Applicable 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

