

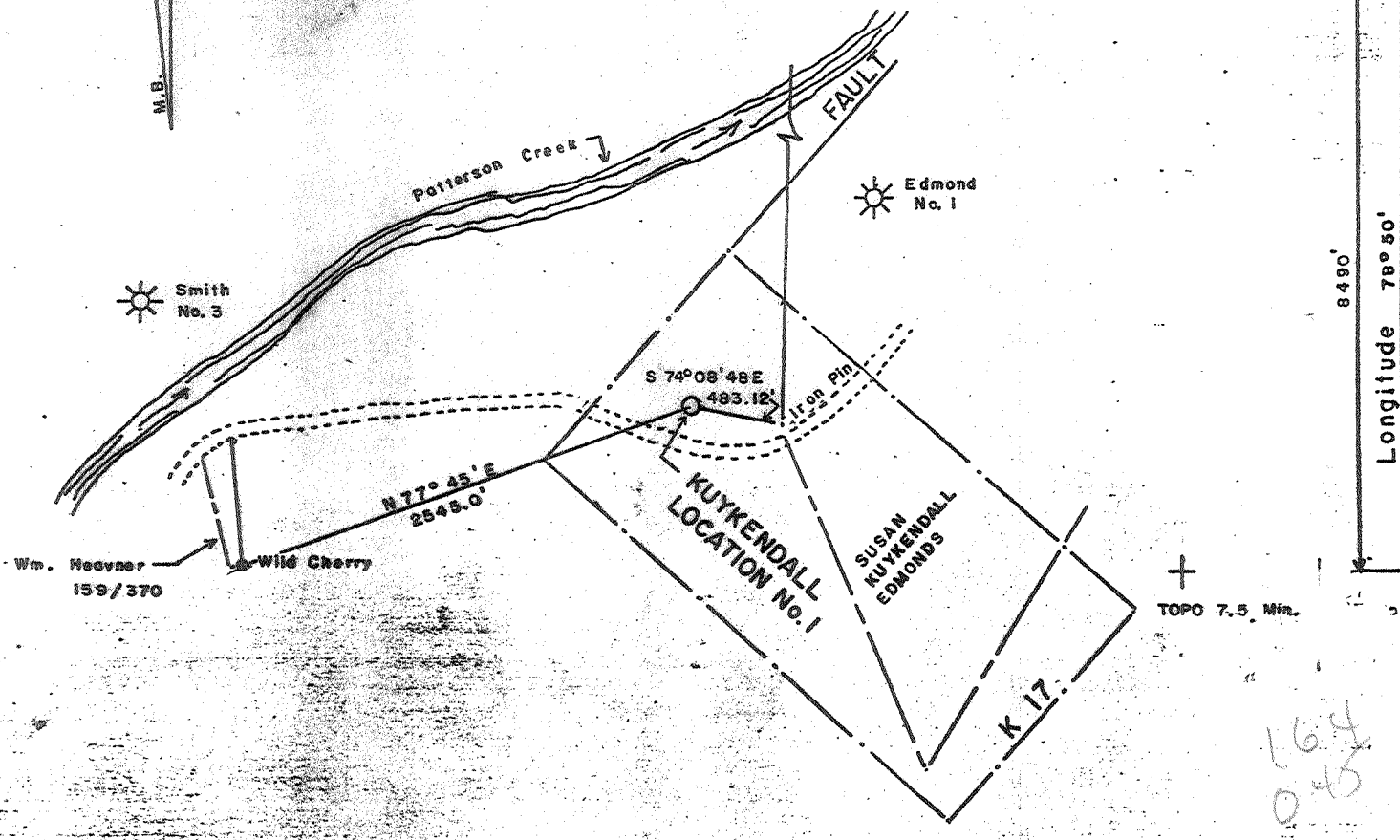
*James*  
5/22/96

Latitude 39° 27' 30"

2400'

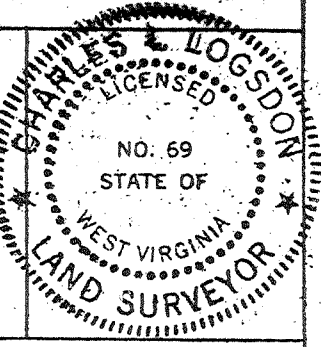
8490'

Longitude 78° 50'



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURAC. 1 in 200  
 PROVEN SOURCE OF ELEVATION Bar on Patterson Creek 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) C. L. Logsdon  
 R.P.E. \_\_\_\_\_ L.L.S. 69



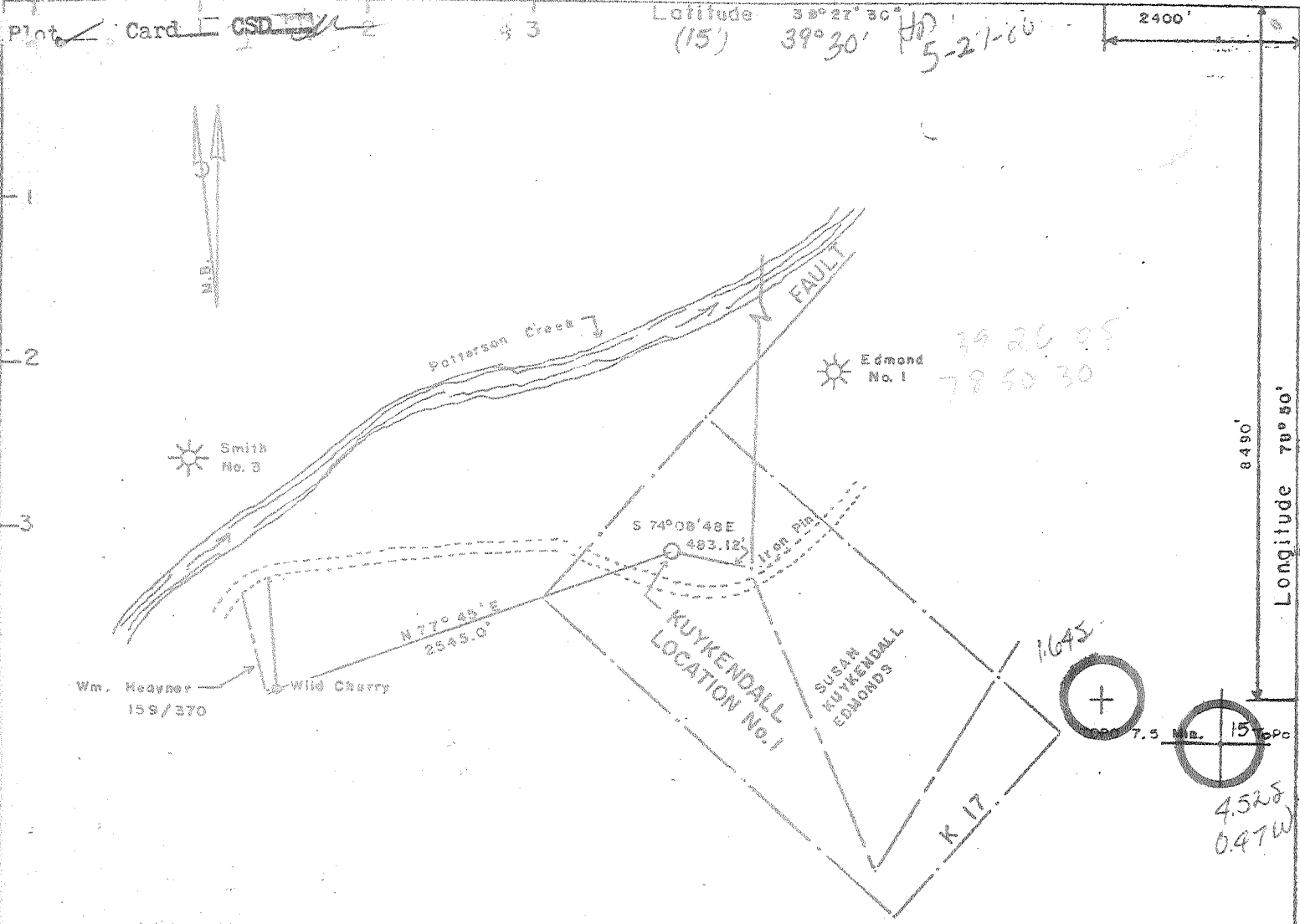
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)

STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL & GAS  
 NITRO, WEST VIRGINIA 25143

DATE May 8, 1980  
 OPERATOR'S WELL NO. Kuykendall 1  
 API WELL NO. 47-057-00038 P  
 STATE COUNTY PERMIT

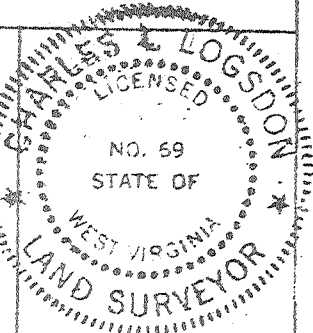
WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 647.00 WATER SHED Patterson Creek  
 DISTRICT Cabin Run COUNTY Mineral  
 QUADRANGLE Headsville 75  
 SURFACE OWNER J. M. & Elizabeth Kuykendall ACREAGE 258  
 OIL & GAS ROYALTY OWNER J. M. & Elizabeth Kuykendall LEASE ACREAGE 258  
 LEASE NO. \_\_\_\_\_  
 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 2460 ± 2122'  
 WELL ADDRESS: Upland Resources, Inc. P.o. Box 429 Keyser, wva. 26726-0429  
 DESIGNATED AGE ADDRESS: William A. Amtower Box 284 Keyser, WVa. 26726-0284



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION B.M. on Patterson Creek 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) E. L. Logsdon  
 R.P.E. \_\_\_\_\_ L.L.S. 69



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

DATE May 8, 1980  
 OPERATOR'S WELL NO. 1  
 API WELL NO. 057-  
WV - Mineral - 0038  
 STATE COUNTY PERMIT

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 \_\_\_  
 LOCATION: ELEVATION 647.00 WATER SHED Patterson Creek  
 DISTRICT Cabin Run COUNTY Mineral  
 QUADRANGLE Blacksville 75, REVER 15, NC  
 SURFACE OWNER J. M. & Elizabeth Kuykendall ACREAGE 258  
 OIL & GAS ROYALTY OWNER J. M. & Elizabeth Kuykendall LEASE ACREAGE 258  
 LEASE NO. \_\_\_\_\_  
 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 2400 ±  
 WELL OPERATOR Upland Resources DESIGNATED AGENT Huntley & Huntley, Inc.  
 ADDRESS 1700 Benedum Tower Bldg Pittsburgh Pa. 15222 ADDRESS 1700 Benedum Tower Bldg Pittsburgh Pa. 15222

Deep Well 6-6 Heatsville North (335) JUL 7 1980



JUL - 9 1981 38

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL & GAS DIVISION  
Oil and Gas Division

WELL RECORD

Quadrangle Headsville  
Permit No. 00 38 Mineral

Rotary \_\_\_\_\_ Oil \_\_\_\_\_  
Cable xx \_\_\_\_\_ Gas xx \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Company Upland Resources, Inc.  
Address 1700 Benedum-Trees Pitt. Pa. 15222  
Farm John & Eliz. Kuykendall Acres 258  
Location (waters) Patterson Creek  
Well No. 1 Elev. 647'  
District Cabin Run County Mineral  
The surface of tract is owned in fee by  
John & Eliz. Kuykendall  
Address \_\_\_\_\_  
Mineral rights are owned by Same as Land owner  
Address \_\_\_\_\_  
Drilling Commenced \_\_\_\_\_  
Drilling Completed 8/4/80  
Initial open flow 0 cu. ft. \_\_\_\_\_ bbls.  
Final production 350M cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.  
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	400'	400'	
7			
5 1/2			
4 1/2		2120	
3			
2			
Liners Used			

Attach copy of cementing record.

Perforations:

350 MCF

Coal was encountered at No coal Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 60 Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Oriskany Depth 1950' - 2076

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	• Remarks
Sand and Shale			0	1650		
Selinsgrove			1650	1722		
Marcellus			1722	1800		
Tioga Metabentonite			1800	1812		
Onondaga Limestone			1812	1824		
Needmore Shale			1824	1950		
Oriskany Sand			1950	2076	Show Gas	
Helderberg Limestone			2076	---		
Total Depth				2122		

(over)

\* Indicates Electric Log tops in the remarks section.

JUL 27 1981

[08-78]

Date: May 13, 19 80

Operator's Well No. 1

API Well No. 17-0057-0038  
State County Permit

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

OIL AND GAS WELL PERMIT APPLICATION

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

LOCATION: Elevation: 647 Watershed: Patterson Creek  
District: Cabin Run County: Mineral Quadrangle: Headsville

WELL OPERATOR Upland Resources, Inc. DESIGNATED AGENT Huntley & Huntley, Inc.  
Address 1700 Benedum-Trees Bldg. Address 1700 Benedum-Trees Bldg.  
Pittsburgh, Penna. 15222 Pitt. Pa. 15222

OIL & GAS ROYALTY OWNER John & Elizabeth Kuykendall COAL OPERATOR None  
Address Rt. 2, Box 232, Keyser, W.Va. 26726 Address     

ACREAGE 258 COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Same as above Name NA  
Address      Address     

ACREAGE 258 Name       
FIELD SALE (IF MADE) TO: Address     

Name NA COAL LESSEE WITH DECLARATION ON RECORD:  
Address      Name     

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

RECEIVED  
MAY 21 1980

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 xy / other contract      / dated Oct. 15, 19 78, to the undersigned well operator from John & Eliz. Kuykendall

[If said deed, lease, or other contract has been recorded:]  
Recorded on Oct. 15, 19 78, in the office of the Clerk of the County Commission of Mineral County, West Virginia, in Keyser Book 216 at page 762. A permit is requested as follows:

PROPOSED WORK: Drill XX / 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 § 22-4-2 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  
1615 WASHINGTON STREET EAST  
CHARLESTON, WY 25311  
TELEPHONE: (304) 242-3193

Upland Resources, Inc.  
Huntley & Huntley, Inc., Agent  
By Robert Stewart  
Its President

BLANKET BOND

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 371  
Buckhannon, W.Va. 26201

GEOLOGICAL TARGET FORMATION, Oriskany

Estimated depth of completed well, 2400 feet Rotary  Cable tools

Approximate water strata depths: Fresh, 50' feet; salt, \_\_\_\_\_ feet.

Approximate coal seam depths: No Coal Is coal being mined in the area? Yes \_\_\_\_\_ No

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	8.625			XX		400'	400'	to surface	
Coal									Sizes
Intermediate									
Production	4.50			XX		2400'	2400'	to surface	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.08 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 § 22-4-13a, 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 1-29-81.

*Robert F. [Signature]*  
Deputy Director - Oil & Gas Division

The following waiver must be completed by 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 receipt thereof:

W A I V E R

The undersigned coal operator \_\_\_\_\_ or \_\_\_\_\_ / 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 \_\_\_\_\_

