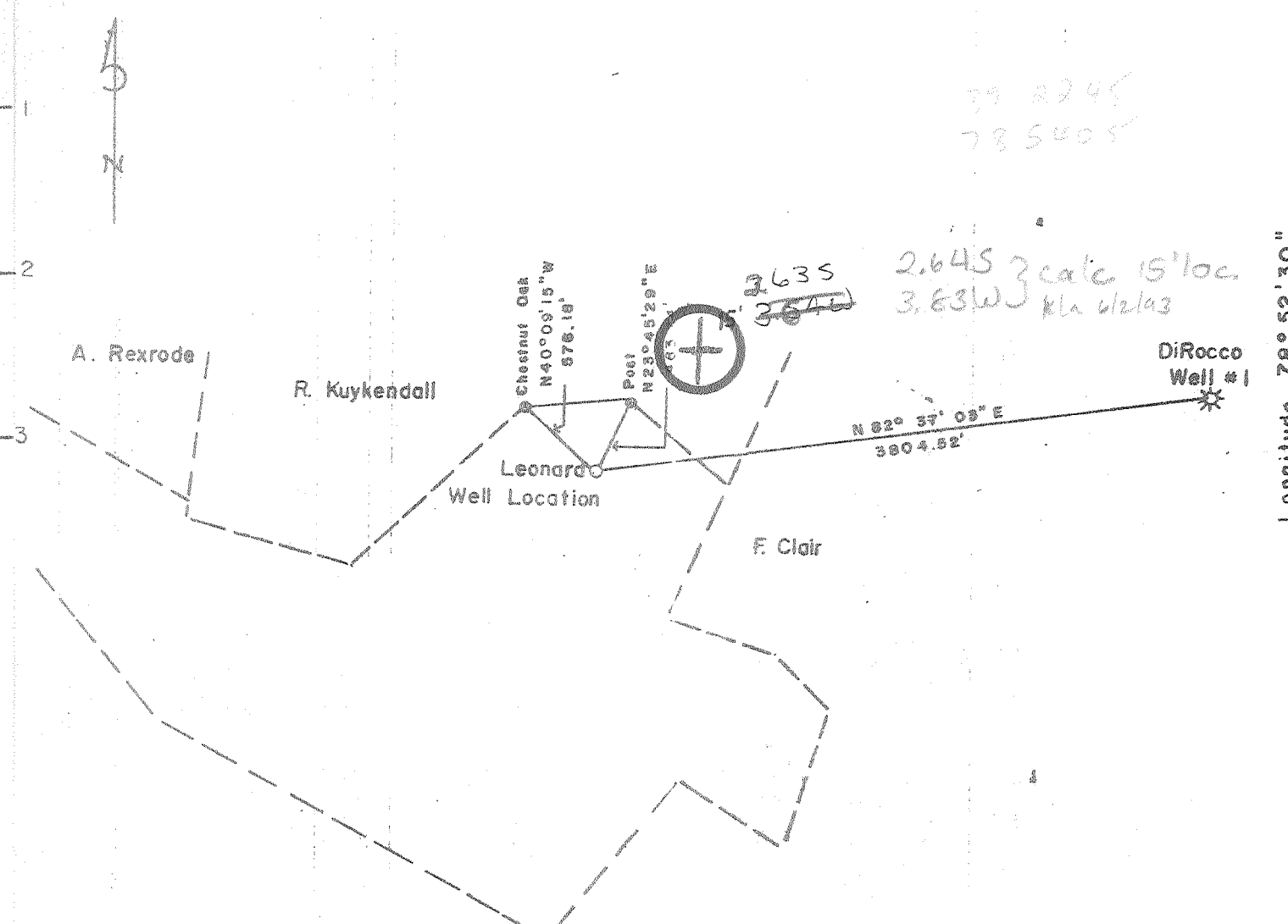


79 2245
78 5405



Surface & Minerals
JOHN E. LEONARD
85/499

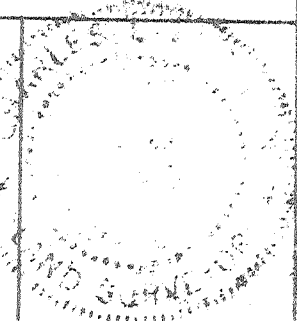
Topo 7.5 Min.
+ 2.645
1.60W

160
222
3.82

Longitude 78° 52' 30"
13,900' 78° 50'

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

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. Leonard
R.P.E. _____ L.L.S. 69



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

DATE July 3, 1980
OPERATOR'S WELL NO. 1
APIWELL NO. 057-0041
WV. Mineral
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 1003.07 WATER SHED Patterson Creek
DISTRICT Cabin Run COUNTY Mineral
QUADRANGLE Keyser 7 1/2 & 15' C
SURFACE OWNER JOHN E. LEONARD ACREAGE 20.5
OIL & GAS ROYALTY OWNER JOHN E. LEONARD LEASE ACREAGE 20.5 (D.B. 210, Pg 359)
LEASE NO. _____

PROPOSED WORK: DRILL X CONVERT DRILL DEEPER RE-DRILL 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 Trees Building Pittsburgh, Pa. 15222 ADDRESS 1700 Benedum Trees Building Pittsburgh, Pa. 15222

Deep Well 6-6 Headsville (302)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle KEYSER
Permit No. MIN 41

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

Company <u>UPLAND RESOURCES, INC. c/o Huntley & Huntley, Inc.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>1700 Benedum-Trees Bldg. Pittsburgh, Pa. 15222</u>				
Farm <u>JOHN E. LEONARD</u> Acres <u>205</u>	Size			to surface
Location (waters) <u>Patterson Creek</u>	20-16			
Well No. <u>One</u> Elev. <u>1003.07'</u>	Cond.			
District <u>Cabin Run</u> County <u>Mineral</u>	13-10"			
The surface of tract is owned in fee by <u>JOHN E. LEONARD</u>	9 5/8			
Address <u>Rt. 1, B-214, Keyser, W. Va. 26726</u>	8 5/8	394.7'	394.7'	
Mineral rights are owned by <u>AS AB</u>	7			
Address _____	5 1/2			
Drilling Commenced _____	4 1/2			
Drilling Completed <u>9-24-80</u>	3			
Initial open flow _____ cu. ft. _____ bbls.	2			
Final production <u>100 M</u> cu. ft. per day _____ bbls.	Liners Used			
Well open _____ hrs. before test <u>760#</u> RP.				

Well treatment details:

Attach copy of cementing record.

Frac by Halliburton

Coal was encountered at No Coal Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand ORISKANY Depth 2888-3010

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			0'	2560'		
Selingsgrove			2560'	2624'		
Marcellus			2624'	2740'		
Tioga Metabentonite			2740'	2756'		
Onondaga			2756'	2766'		
Needmore			2766'	2888'		
Oriskany			2888'	3010'		
Helderberg			3010'	--		
Log Total Depth				3053'		
Drillers Total Depth				3056'		

* Indicates Electric Log tops in the remarks section.

(over)

JUL 27 1981

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

OIL AND GAS WELL PERMIT APPLICATION

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

LOCATION: Elevation: 1003.07 GL Watershed: Patterson Creek
District: Cabin Run County: Mineral Quadrangle: Keyser

WELL OPERATOR Upland Resources
Address 1700 Benedum-Trees Bldg.
Pittsburgh, Pa. 15222

DESIGNATED AGENT Huntley & Huntley, Inc.
Address 1700 Benedum-Trees Bldg.
Pittsburgh, Pa. 15222

OIL & GAS
ROYALTY OWNER John E. Leonard
Address R-1 B-214
Keyser, W. Va. 26726

COAL OPERATOR Not Applicable
Address _____

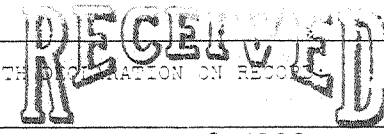
ACREAGE 205
SURFACE OWNER John E Leonard
Address R-1 B-214
Keyser, W. Va. 26726
ACREAGE 205

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name NA
Address _____
Name _____
Address _____

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

COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address JUL 16 1980

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



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 XXX/ other contract ___/ dated May 16, 1978, to the undersigned well operator from John E. Leonard & Virginia Grace Leonard

[If said deed, lease, or other contract has been recorded:]
Recorded on May 18, 1978, in the office of the Clerk of the County Commission of Mineral County, West Virginia, in Deed Book 210 at page 357. 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 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
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 349-3092

Huntley & Huntley, Inc., agents
for Upland Resources, Inc.

Tracy Bartholomew
Well Operator

By Tracy Bartholomew II
Its Vice-President of Operations

BLANKET BOND

Janey

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 Sandstone

Estimated depth of completed well, 2500' feet Rotary Cable tools XXX
Approximate water strata depths: Fresh, 50-80 feet; salt, None feet.
Approximate coal seam depths: No Coal Is coal being mined in the area? Yes No XX

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		
Conductor								Kinds
Fresh water	8 5/8					350'	350'	Cemented to Surface
Coal								Sizes
Intermediate								
Production	4 1/2					2400'	2400'	Cemented to Surface
T casing								Depths set
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-3, "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 3-21-81

[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 regulations.

Date: , 19
By
Its