





DEPARTMENT OF MINES, OIL AND GAS DIVISION (Chverse) Operator's Well No. [08-78] OIL AND GAS WELL PERMIT APPLICATION 0053 API Well No. State County Permit WELL TYPE: Oil ___/ Gas xxx/ (If "Gas", Production___/ Underground storage / Deep XX / Shallow /) Watershed: Patterson Creek Elevation: 885.43 LOCATION: District: Cabin Run County: Mineral Quadrangle: Keyser Upland Resources c/o DESIGNATED AGENT Troy A. Brady Jr. FELL OPERATOR Huntley & Huntley, Inc. Address 1700 Benedum-Trees Bldg. Address ___ 116 East St. Keyser, W.Va. 26726 Pittsburgh, Pa. 15222 IL & GAS OYALTY OWNER Virginia A. Fertig COAL OPERATOR ____NA Address ____ Address Rt. 1 Box 50 Keyser W.Va. 26726 COAL OWNER(S) WITH DECLARATION ON RECORD: Acreage 176 JRFACE OWNER Same as Above Name Address Acreage _ Name. ELD SALE (IF MADE) TO: Address COAL LESSEE WITH DECLARATION ON RECORD: Address __ Name __ L & GAS INSPECTOR TO BE NOTIFIED Address me 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 vation under a deed ___ / lease xx / other contract __ / dated _October 14__, 19 76_, to the tersigned well operator from Virginia A. Fertig ' said deed, lease, or other contract has been recorded:] nded on October 24, 1977 , in the office of the Clerk of the County Commission of Mineral mry, West Virginia, in Keyser Book 207 at place 646 . A permit is requested as follows: PROPOSED WORK: Drill xx / Drill deeper / Redrill / Fracture or stimulate / Plum 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 mion they wish to make or are required to make by Code \$ 22-4-3 must be filed with the Department dines within fifteen (15) days after the receipt of this Application by the Department. Topies of this Permit Application and the enclosed plat and reclamation plan have been mailed registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lesser before the day of the mailing or delivery of this Permit Application to the Department of Mines at destin, West Virginia. SE SUBMIT COPIES OF ALL HYSICAL LOGS DIRECTLY TO: Well Operator IRGINTA®OIL AND GAS Ву Robert S. Stewart CONSERVATION COMMISSION WASHINGTON STREET BAST LESTON, WV 25311 Its President - Huntley & Huntley, Inc. PHONE: (304) 348-3092

STATE OF WEST VIRGINIA

FORM IV-2

Date: <u>December 29,1980</u>, 19

PROPOSED WORK ORDE.

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

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<u>Keyser, W.Va. 26726</u>										
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App	proxi	mate co	al sea	am depth	ns: _	No Co	oal Is	coal being mi	ned in the area	Yes/ No/
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(Obverse)

(Revised 3-51)

Telephone - 304/348-3092



Well Mo. 1 Farm Virginia Fertig
API =47 -057 - 0053 - Red Date February 12, 1982

STATE OF WEST VINGINIA OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL	PERMIT APPLICATION
WELL TYPE: Oil / Gas X /	
	Inderground storage / Deep X / Shallow /
LOCATION: Elevation: 885.43 Water	
District: Cabin Run Count	y: Mineral Quadrangle: Headsville
WELL OPERATOR Upland Resources, Inc.	
F.O. BOX 429	DESIGNATED AGENT Talkington-Brady, Inc. Address P.O. Box 1016
Keyser, WV 26726	Keyser, WV 26726
ROYALTY OWNER Virginia Fertig	COAL OPERATOR
Address Route 1, Box 200	COAL OPERATOR <u>No Coal</u> Address
Acreage Keyser, WV 26276	
	COAL OWNER(S) WITH DECLARATION ON DECLARATION
SURFACE OWNER <u>Virginia Fertiq</u>	COAL OWNER(S) WITH DECLARATION ON RECORD: NAME NO COAL
ROUTE 1, BOX 50	Address
AcreageKeyser, WV 26276	NAME
FIELD CALE (15 WARE)	Address
FIELD SALE (IF MADE) TO:	
Address	COAL LESSEE WITH DECLARATION ON RECORD:
	NAME NO COAL
OIL AND GAS INSPECTOR TO BE NOTIFIED:	Address
· · · · · · · · · · · · · · · · · · ·	
NAME Robert S. Stewart Address D.O. Pow 345	
F.O. BOX 345	_
\cdot Land Total MT/ 06270	
Telephone (304) 884-7782	_ VIII
Telephone (304) 884-7782	- FEB 1 9-1982
Terephone (304) 884-7782	- FEB 1 9-1982
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The undersigned well operator is entiabove location under a deed / lease x to the undersigned well operator from	itled to operate for oil or gas purposes at the
The undersigned well operator is entiabove location under a deed / lease x to the undersigned well operator from	CILAND GAS DIVISION itled to operate for oil or gas purposes at the / other contract / dated, 19, Virginia Fertiq Is been recorded:) Office of the Clerk of County Commission of 1 207 Book at page 612 A permit is or
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lts: Administration Supervisor

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(Revised 3-81)

PROPOSED WORK ORDER

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

DRILLING CONTRACT	OR (IF	киоми)					OF CONTEET	· · · · · · · · · · · · · · · · · · ·
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CASING AND TUBING	PROGRA	∤ M						7
CASING OR TUBING TYPE Size	SPE	CIFICATI Weight per ft	7	Used	For Dril	INTERVALS - Left in Well	CEMENT FILL- UP OR SACKS Cubic ft.	PACKERS
Conductor	1							Kinds
Fresh water 8-5/8 Coal	· A	20.0	X	-	400	400	Cement to s	
Intermed.	<u> </u>	-	1		<u> </u>		<u> </u>	Sizes
Production 4-1/2	A	10.5	X	 			Cement from	Dantha cat
Tubing		10.0				bottom of	well to 150	
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822-4-8a fro posed well. A separate H	Form IV uring cois note POSTED accordance location	owner of 1-2 shall or stimul of as succession is hereby spermit sho	any and not	(v) i water be rec is to the Fo	of application well or	wable, the welling was freetung	consent requirements on the consent requirements of the co	me well, the fee wired by Code west of the pro- lating a well in a permit is herewith.
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IV-	35
(Rev	8-81)

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OIL & GAS DIVISION DEPT. OF MINES

State of Mest Virginia

Bepartment of Mines Gil und Cas Zivision

Date	Decem	nber	13,	1982
Opera		•		
Well 1	No			
Farm_	V. Fe	ertig		
API N	0.47	- 051	4000	0,053

WELL OPERATOR'S REPORT

OF	ת אמידאיר ר	ם משפרפאו	Cunnice	
DRILLING, FRACTURING AND/OR STIMU	LATING, U	R PHISICAL	S	EP 1 0 1984
	1 ** 1	- Di	, oit :	≈ GAS DIVISIO
WELL TYPE: Oil / Gas X / Liquid Injection (If "Gas," Production / Underground	nd Storag	e/ Deep	-/-sha	1-18F MINI
IOCATION: Elevation: 885.43 Watershed_				-
District: Cabin Run County Min				
COMPANY Upland Resources, Inc.		_		
ADDRESS Box 429, Keyser, WV 26726	Casing	Used in	Left	Cement fill up
DESIGNATED AGENT Talkington-Brady	Tubing	Drilling	in Well	Cu. ft.
ADDRESS Box 1016 Keyser, WV 26726	Size			
SURFACE OWNER Virginia A. Fertig	20-16 Cond.			
ADDRESS Rt. 1, Box 50 Keyser, WV 26726	13-10"	45 *	0	
MINERAL RIGHTS OWNER same	9 5/8			
ADDRESS	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK	7	1000'	1000'	To surf.
e <u>rt Stewart ADDRESSBox 345, Jane Lew W</u> V	5 1/2			
PERMIT ISSUED 12/29/80	4 1/2	4700'	4700'	To 1800'
DRILLING COMMENCED 9/26/81	3			
DRILLING COMPLETED 3/29/82	. 2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	· ·			
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners useđ			
ON				
GEOLOGICAL TARGET FORMATION Silurian		Dep	th 4850	feet
Depth of completed well 4854 feet 1				
Water strata depth: Fresh 41'-265 feet;	Salt_none	feet		
Coal seam depths: none	Is coal	being min	ed in the	e area? No
OPEN FLOW DATA				-
Producing formation Silurian	Par	v zone dep	th 4650	' feet
Gas: Initial open flow 5 Mcf/d				
Final open flow 1 Mcf/d				
Time of open flow between init				
Static rock pressure 1200 psig(surfac				
(If applicable due to multiple completion		•	***************************************	
Second producing formation none		y zone dep	oth	feet
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between init				
Static rock pressurepsig(surface				
				UUT 0 9 19

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

22 shots: 4640 - 4674 with 31 perfs
4/782 Gel/N2 Assit Frac with 2000g HCl, 15%, HC, Fecontrol, clay control
843 Bb1 F, 350 Sks sd (250 20/40 el 100 10/20) 302,000 SCFN2

BD at 1900 psi inj4500 to 2000 psi - avg. 2400 psi @ avg rate 10 BPM after B.D.

5/5/82 Acidize Perfs w 2000 g Mod 202, clay control, Fecontrol

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all free
			and salt water, coal, oil and g
Sand and Shale	0	1504	
Hamilton	1504	2296	
Purcell	2296	2422	
Marcellus Shale	2422	2512	
Tioga	2512	2524	
Needmore	2524	2665	navaragend
Oriskany	2665	2786	
Shriver/Helderberg	2786	2970	
Mandata/New Scotland	2970	3004	
Coeyman/Corriganville	3004	3192	
New Creek	3192	3250	-
Keyser	3250	3308	- Characteristics
Tonoloway	3308	3654	
Wills Creek	3654	4335	
Williamsport	4335	4356	-
Bloomsburg	4356	4640	
Keefer	4640	4675	
Rose Hill	4675		
T.D.	4855		
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	No.		
		a-disconnection	
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(Attach separate sheets as necessary)

Up1a	and Resources, Inc.	
Well C	perator	. •
	() (00)	
By:	Ly I'd	
Date:	12/10/8-	

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including enal, encountered in the drilling of a well."

JAN 2 4 1997 DIVISION OF ENVIRONMENTAL PROTECTION STATE OF WEST VIRGINIA SECTION OF OIL AND GAS

WV Division Affidavit of plugging and filling well Affidavit Should be in Triplicate. BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra

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