



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

JUL - 8 1977

DEPT. OF MINES

Rotary_X Oil__

Oil and Gas Division WELL RECORD 4

QuadrangleKe	yser						GasComb
Permit No. Mi	n-12						d Storage
	- dia-sp					-	(Kind)
TYTE A	NO DEGOLE						
Company UPLA	ND RESOU	Trees Bldg.	Dab Da 15	Casing and	Used in	Left	Cement fill up
Address 1700	nd Patri	cia Broadhurs	t 219 of 34	ZZZ Tubing	Drilling	in Weli	Cu. ft. (Sks.)
							•
•	•	zer Run		Size			
		Ei		20-16			
District Capin	KUN	County_Mine	ral	Cond.			•
The surface of Patricia Br	tract is own oadhurs t	ned in fee by Pau	ir and	13-10"		· 	-
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		A Burlington,		3 5/8	271	271	Halliburton
•		y Same		7	\ <u></u>		circulated
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Drilling Comme	nced <u>5</u> =4	-77		4 1/2		ļ	•
Drilling Comple	ted5=12		ed SCP 400 deministrative for the computation of the adjument of the Computation of the c	3			-
Initial open flow	» <u> </u>	cu. ft	<u> </u>	2			
Final production	n	_cu. ft. per day _	bbls.	Liners Used			
Well open		_hrs. before test_	RP.				
Well treatment	details:			Attach copy of	cementing reco	rd.	
To be co	mpleted	at a later da	ate.				
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a rougenig Dane.					1		
Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or	Water	* Remarks
Shale	Gray	77 1	10				# 4 A 2 T DOG 2 WED
Shale	Black	Hard Hard	18				
Limestone	Black		22	90			and the state of t
Limey Shale			90	420	Account of the control of the contro		
Shale	Rlack	Hard	420	420 458	And the second sec		TO A BOOL SALV
	Black	Hard Hard	420 458	420 458 514	A COUNTY OF THE PROPERTY OF TH		TO A BOAT A TO
.ime	Black	Hard Hard Hard	420 458 514	420 458 514 616			
Lime Shalw Lima	Black Black	Hard Hard Hard Hard	420 458 514 616	420 458 514 616 640			
Shaly Lime	Black Black Gray	Hard Hard Hard Hard Hard	420 458 514 616 640	420 458 514 616 640 716			
Shaly Lime Shale	Black Black	Hard Hard Hard Hard	420 458 514 616	420 458 514 616 640			TO A BOOL THE STATE OF T
Shaly Lime Shale Dense	Black Black Gray Black	Hard Hard Hard Hard Hard	420 458 514 616 640 716	420 458 514 616 640 716 762			
Shaly Lime Shale	Black Black Gray	Hard Hard Hard Hard Hard	420 458 514 616 640	420 458 514 616 640 716			
Shaly Lime Shale Dense Crystalline	Black Black Gray Black Gray	Hard Hard Hard Hard Hard	420 458 514 616 640 716	420 458 514 616 640 716 762			
Shaly Lime Shale Dense Crystalline Limestone (top 35'; Limey Sand	Black Black Gray Black Gray	Hard Hard Hard Hard Hard	420 458 514 616 640 716	420 458 514 616 640 716 762			
Shaly Lime Shale Dense Crystalline Limestone (top 35's Limey Sand Crystalline	Black Black Gray Black Gray	Hard Hard Hard Hard Hard Very Hard	420 458 514 616 640 716	420 458 514 616 640 716 762			
Shaly Lime Shale Dense Crystalline Limestone (top 35'; Limey Sand	Black Black Gray Black Gray	Hard Hard Hard Hard Hard Very Hard	420 458 514 616 640 716	420 458 514 616 640 716 762	-т.р. Н.Э.	3G	
Shaly Lime Shale Dense Crystalline Limestone (top 35's Limey Sand Crystalline Limestone	Black Black Gray Black Gray Sandy) Gray	Hard Hard Hard Hard Hard Very Hard	420 458 514 616 640 716 762	420 458 514 616 640 716 762 885	-т.р. НЭТ	3 <i>G</i>	
Shaly Lime Shale Dense Crystalline Limestone (top 35's Limey Sand Crystalline	Black Black Gray Black Gray Sandy) Gray	Hard Hard Hard Hard Hard Very Hard	420 458 514 616 640 716 762	420 458 514 616 640 716 762 885	-т.р. Н.ЭЛ	3 <i>G</i>	
Shaly Lime Shale Dense Crystalline Limestone (top 35's Limey Sand Crystalline Limestone	Black Black Gray Black Gray Sandy) Gray	Hard Hard Hard Hard Hard Very Hard	420 458 514 616 640 716 762	420 458 514 616 640 716 762 885	т.р.НЭТ	3 <i>G</i>	
Shaly Lime Shale Dense Crystalline Limestone (top 35's Limey Sand Crystalline Limestone	Black Black Gray Black Gray Sandy) Gray	Hard Hard Hard Hard Hard Very Hard	420 458 514 616 640 716 762	420 458 514 616 640 716 762 885	т.р.НДТ	3 €	
Shaly Lime Shale Dense Crystalline Limestone (top 35's Limey Sand Crystalline Limestone	Black Black Gray Black Gray Sandy) Gray Gray	Hard Hard Hard Hard Hard Hard Very Hard Very Hard Very Hard	420 458 514 616 640 716 762 885 938	420 458 514 616 640 716 762 885	т.р. НЭТ	3 <i>G</i>	

(over)

^{*} Indicates Electric Log tops in the remarks section.

Formation Color Hard or Soft Top Feet φ Bottom Feet Oil, Gas or Electic Log: Shale Limestone Shale Shale Tioga Metabentonite Formation Color Hard or Soft Top Feet φ Bottom Feet Oil, Gas or Electic Log: Surface 422 514 603 608	Water * Remarks
Shale Surface 422 Limestone 422 514 Shale 514 603	
Shale 608 616 Onandaga Limestone 616 638	
Needmore Shale 638 762 Oriskany Formation 762 938 Helderberg Limestone 938 1070T.D.	
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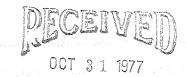
APPROVED Upland Resources, Inc.
Huntley Huntley Inc., AGENT

By (1996)

Presic t



STATE OF WEST VIRGINIA DEPARTMENT OF MINES



OIL & GAS E-IVISION DEFT. OF MINES

Rotary X Oil_

Oil and Gas Division WELL RECORD 17

QuadrangleKe						Water Flo	Comb od Storage
-		8					(Kind)
1700	Renedu	URCES, INC. m-Trees Bldg icia Broadhu	. Pgh. Pa. 1 (st 219 of 3	5222 ^{Casing and} 45 Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Location (wate	rs) <u> </u>	ver Run	26.1 f. J				+
				Size 20-16	- Processor		
District Cabir	Run	County_Min	neral	Cond.	To provide a constant of the c	r n	
The surface of	tract_is ov	vned in fee by Pa	aul and	13-10"			
ratricia Bi	oadhurs:	t .	· Annual Annual Maries and Annual	9 5/8			
Address Rt. 1	Box 80	-A Burlingtor	<u> </u>	3 5/8	271	271	77 - 7 7 27
Mineral rights a	re owned	by_ <u>Same</u>		7			Halliburton circulated
				5 1/2			cricaratea
		4-7-7-7-		4 1/2			
		2-7.7		3			-
Initial open flo	w -0-	cu. ft	-0- hhis	?			
		cu. ft. per day.		Liners Used			
		_hrs. before test					-
Weil treatment		ins. Delote test	monomer KP.				
		_		Attach copy of	cementing rec	ord.	
To be co	mpleted	at a later o	late.				
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We entrustrate the description of the second	de comendation communication parents, compa	Parity of the Antique Control of the Control of the Antique Control					
Coal was encou	ntered at _	No Coal	Feet		Inch	36	
Fresh water_14	08, 400	Personal I a responsibility of the second se	eet	Sait	Water	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_ Feet
Producing Sand	·			Dept	h		a cut
	•						
Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas o	r Water	* Remarks
Shale	Gray	Hard	18	90		desirent de la transport de la constitución de la c	
Shale	Black	Hard	90	420	4		
Limestone	Black	Hard	420	458	fortilization of the state of t		
Limey Shale	Black	Hard	458	514	and the second		
Shale	Black	Hard	514	616			
Lime	Black	Hard	616	640			
Shaly Lime	Gray	Hard	640	•			
Shale	Black	Hard	716	716 762	All the second s		
Dense			- 40	102	Propulation		
Crystalline Limestone	Gray	Very Hard	762	885	en elemental articles en elemental en		
(top 35' s					go		
Limey Sand Crystalline	Gray	Very Hard	885	938	- Commonwey Miller Commonwey Commonw		
Limestone	Gray	Very Hard	938	1070	T.D.		
Electric Log-	-over		Print Palantino (Control of Control of Contr				
			CVA Absorbance and a second and		a salah atau atau		
							▼
denies an equipment of the section o	ONO CONTRACTOR OF THE PROPERTY		er sugite .				

(over)

^{*} Indicates Electric Log tops in the remarks section.

Formation Color Hard or Soft	Top Feet 17	Bottom Feet	Oil, Gas or Water * Remarks
Electic Log: Shale Limestone Shale Tioga Metabentonite Shale Onandaga Limestone ? Needmore Shale Oriskany Formation Helderberg Limestone	Surface 422 514 603 608 616 638 762 938	422 514 603 608 616 638 762 938 1070	
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			Tokan gaseri — para i
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Date June 7

10.77

APPROVED Upland Resources, Inc.
Huntley & Huntley / Inc. AGEN

By (College President)







Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,			
Charleston, W. Va.	DATI	E April 26,1977	7
Surface Owner Paul W. & Patricia Bro		Upland Resour manyc/oHuntley & Hur	ces, Inc.
	Comp	1700 Paris	itley, inc.
Address Route 1, Box 80-A, Burlingt Mineral Owner Paul W. & Patricia Bro			
	T CT IT	r.w. & P. Broadhur	st Acres 219.46 of 345
Address Route 1, Box 80-A, Burlingt Coal Owner NO COAL			0001
		No. <u>-1</u> -	
Address Coal Operator NOT APPLICABLE			County Mineral
	——— Quadı	rangle Headsville	
PERMIT MUST BE POSTED AT THE WELL SH		*	
rovisions being in accordance with Chapter 2:			
W. Va. Code, the location is hereby approve	TNICDECTIC	מר	
drilling . This permit shall expire	08	OTIFIED Bill Hatfi	eld
ations have not commenced by 9-2-77			
The state of the s	ADDRESS	P.O.Box 385, Buc	khannon, W.Va.,26201
enuly Director - Oil & Gas Division	PHONE	(304)-472-4268	
	-		
GENTLEMEN:			
The undersigned well operator is entitled to title thereto, (or as the case may be) under grant the case may be un	drill upon the above n	amed farm or tract of lan	d for oil and gas, having fee
XNEW WELLDRILL I	LY DRILLED BEFOR	E JUNE 5, 1969.	
The enclosed plat was prepared by a register have been notified as of the above data	ed engineer or licensed	l land surveyor and all co	oal owners and/or operators
and the mountain and or one above date.			
The above named coal owners and/or operato to make by Section 3 of the Code, must be received.	r are hereby notified the	hat any objection they wil	sh to make, or are required
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		the Department of Mines	within ten (10) days. *
OK X PAR A WILL A STREET AND X HO WAR X PROPERTY OF A STREET OF A	AND STATE OF THE PROPERTY OF T	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	e bayes next cost special press
carrey day, with the mailing or delivery of this co	ex to the Department	AK WAREN XX XXII MARKATAN XW	ST XVICTOR
	Very truly	y yours, Upland Reso	untley, Inc., AGENT FOR:
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Nan		The second
one motern read birectli 10:	(Sign Nun	Well Operat	or President
WEST VIRGINIA GEOLOGICAL AND		1700 Benedum-T	
ECONOMIC SURVEY	Address of	Street	rees builting
P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505	Well Operator	Pittsburgh	
AC-304 - 292-6331		City or Town	
		Pennsylvania	15222
		State	
*SECTION 3 If no objections are filed or f	found by the Department	of mines, within said period of	of ten days from the receipt of
the filing of such plat, that no objections have been made and the well operator authorized to proceed.	oy the coal operators or f	ound thereto by the departme	nt and that the same is approved
		MTN TO	ens ;
Company of the state of the sta		MIN-12	PERMIT NUMBER
I have read and understand the reclamation requirer hapter 22, Article 4 Section, 12-b and will carry out the s	nents as set forth in	47-057	
	pecuied requirements."		
Signed by Mury Sturing			

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

PROPOS	ED WORK ORDER T	ro X DRILL	DEEPEN FR	ACTURE-STIMULATE		
DRILLIN	G CONTRACTOR: (If Known)	RESPONSIBLE AGENT:			
NAME	Floyd S. Mar	ts and Son	NAME J. Robert Ho	ornor		
ADDRESS Box 178, Fairview, W. Va. 26571			ADDRESS Box 225, Clarksburg, W.Va. 26301			
TELEPHO	ONE (304)-449-17	51	TELEPHONE (304)-6:			
ESTIMAT	ED DEPTH OF COM	PLETED WELL: 1100 t	ROTARY X	CABLE TOOLS		
		RMATION: Orisk				
		GAS X C	OMB STORAGE	DISPOSAL		
		RECYCLII	NG WATER FLO	ODOTHER		
TENTATI	VE CASING PROGR	AM:				
CASI	ING AND TUBING	USED FOR	LEFT IN	CEMENT FILL UP		
(Control of the control of the contr	SIZE	DRILLING	WELL	OR SACKS - CUBIC FT.		
20 - 16	n older som engensen om kare i mysekkente melvikelik bligat elvik dis kapalan hillelikasjone, og seneraggen,					
13 - 10	50 1.		50 '			
9 - 5/8						
8 - 5/8	200 (to cir	culate the surface)	200 *			
5 1/2						
4 1/2	1100		1100'			
3				Perf. Top		
.2				Perf. Bottom		
Liners				Perf. Top		
				Perf. Bottom		
IS COAL		THE AREA? NO	BY WHOM?			
SUB		ES OF OG - 1, \$100.00 PERMI	T FEE, PERFORMANCE BO	OND AND PERMANENT COPY		
TO DRIL	L DEEPER OR REDI	RILL:				
WEI	MIT FIVE (5) COPIE LLS DRILLED PRIOF ST ALSO BE SUBMIT	S OF OG - 1, SHOWING ORIGI TO 1929, A PERMANENT CO TOED.	NAL PERMIT NUMBER AND TOPY OF THE PLAT AND T	D PERFORMANCE BOND. ON HE ORIGINAL WELL RECORD		
TO FRAC	TURE - STIMULATE					
OIL	AND/OR GAS WELL	· ORIGINALLY DRILLED BEFOR AT AND ORIGINAL WELL REC	RE JUNE 5, 1929, FIVE (5) C	COPIES OG - 1, PERFORMANCE		
OIL	AND/OR GAS WELL	ORIGINALLY DRILLED ON AT NUMBER, AND PERFORMANCE	ND/OR AFTER JUNE 5, 1929	9, FIVE COPIES OG - 1, SHOW-		
Req four	uired forms must be f (24) hours in advanc	iled within ninety (90) days of c	completion for bond release.	Inspector to be notified twenty-		
-			:			
		r.				
The thereof.	following waiver mus	at be completed by the coal ope	rator if the permit is to be is	ssued within ten days of receipt		
WAIVER:		Agent fornined and place on our mine m				
	providing operator ha	Coal Company	nave no objections to said we ulations in Articles 4, 5, and 7	of being drilled at this location, Chapter 22 of the West Virginia		
	wue.			The state of the s		
				<u> </u>		
			Fo	r Coal Company		

Official Title

FORM IV-38 (Affidavit of Plugging)

200

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



AFFIDAVIT OF PLUGGING AND FILLING WELL

OIL & GAS DIVISION

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and every confidence of the Department). be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

None		opiana wesoa		- Carlos Indonesia - Alberta I		
Coal Operator or	200 Danis An	Name of Well Operator 299 Park Avenue New York, NY 10171				
	Zyy Park Av					
Address			Complete Address			
	APPA.	Broadhurst		19		
Coal Operator or	Cabin Run	WELL AND LOCATION				
	to we will have been a supplicable to the supplicable of the supplication of the suppl	echnological production of the	atter Anna area apur y attracte area (in an infrasorder area area (in the land area area area area (in a real a	District		
Address		Mineral				
Paul & Patricia Broadhurs	popular distribution de la constitue de la con		and provided the state of the s	County		
Lease or Property	Owner					
Box 80A, Burlington, WV 2	6710	WELL NO.	47-057-0012 (No.			
Address						
		<u>Broadhurst</u>		Farm		
STATE INSPECTOR SUPERVISI	NG PLUGGING Robe	rt Stewart				
	* monotocida eraliantiche endrove			276 TO 100 Table 9 100 TO 100		
	AFFI	DAVIT				
STATE OF WEST VIRGINIA,						
County of Mineral	55:					
	Services (Egypanicians) columnicals		t t			
Joseph V. Peddy being first duly sworn ac		and Ralph W		and in the		
work of plugging and fill						
AOLY OF PERSONNELS SHOUTH	Tuk orr and kas #	ells and were t	the work of pluggi	re and fill-		
ing the above well, that	and work was com	moncod on the	25 day of May	216 0000 0000		
19 82, and that the we				the comment of the control of the co		
The second secon	and the second of the second of the second	Display was well warm with all had all the waster of the said of t	a commence and an analysis and an arrange and an arrange and and arrange arrange and arrange arran	. 1		
Sand or Zone Record	Filling M	laterial	Plugs Used	Casing		
Formation			Size & Kind	CSU CSU		
	422 gel & cement		squeeze peri at			
Limestone 422-	The Sides Court Transport Court Cour		768'-860' with	271'-8 5		
Shale 514-	CONTRACTOR OF THE PROPERTY OF	CONTROL	2% CaCl cement for			
Tioga Metabentonite 603- Shale 608-			200' of well above and including perf			
<u>Snare</u> 606- Onandaga 616-		CONTRACTOR	Backfill with gel			
Needmore Shale 638-		. P Street conflict recension and conflict re	to 200 inside	AND THE PROPERTY OF THE PROPER		
Oriskany 762-		egizaan pilitabeli (jiron oli 1955), ji pipakatai maan kara karajinga pija and ji pyani ji wake pipagasaba nabahayye. Ulawb	4½". Cement 100'	PARTIES CONTROL OF THE PARTIES OF TH		
	1070	en en grand de en	between 4½" and			
			8 5/8" cement plug			
<u>T-D-1070</u>			to inside 45".			
overations all and assume a sumplement of the second and design and according to the second and the second according to the se						
Coal Seams			Description of	Monmont		
(Name) None			<u> 8 5/8 casing 30" c</u>	r more		
(Name)			above ground.			
(Name)			Well No stencil	Led		
		O methodografia e e transcriptor de la companya de prometion e companya de la companya de la companya de proce Companya de profesiones de montres de propositiones de la companya de la companya de la companya de la companya		AND DESCRIPTION OF THE PROPERTY OF THE PROPERT		
and that the work of	plugging and fil	ling said well	was completed on the	a 19 day		
of August	19 82	/		S. S		
And further deponent	s saith not.	(but V Puelely.			
ū			Road P VIII	approximation of the second se		
		V	1 Confine Salar	19 83. 		
Sworn to and subscribed b	Z day of Z	MANGE CONTRACTOR OF THE PARTY O	wy Ly One			
			Woler Mars			
		Menoperoporement of the Conference of the Confer	Notary Public			
My commission expires:	α		8.			
Gard. 3 19	JP /		Permit No. 47-057-0012			