



DIVISION OF OIL & GAS
DEPT. OF ENERGY



## State of Mest Airginia Pepartment of Mines Oil und Cas Pivision

Date	Decem	ber 9,	1985
Operato	or's		
Well No		2 -	2050
Farm	Karl	Blain	e #2
APT NO	47 -	052	- 0350

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas x/ Liquid Injection (If "Gas," Production / Underground	/ Waste nd Storage	e/ Deep	/ / Shal	.low_x/)
IOCATION: Elevation: 555' Watershed C  District: Clendenin County Maso	rab Creek n	Quadrangle	Apple Gr	ove
CMPANY Union Drilling, Inc.				
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201	Caşing	Used in		Cerent fill up
DESIGNATED AGENT Joseph C. Pettey	Tubing	Drilling	in well	Cu. ft.
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201	Size 20-16			•
SURFACE CWNER Karl Blaine, Rt.1, Box 284,	Cord.			
ADDRESS Millfield, Ohio 45761 and William Blaine	13-10"	40.50'	40.50	
MINERAL RIGHTS OWNER Star Rt., Box 4,	9 5/8	508.65	508.65	200 cf
ADDRESS Gallipolis, Ferry, WV 25515	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK	7	1855.80'	711.45	59 cf
Jerry TephabockADDRESS Rt.1, Box 101A, Ripley,WV 25271	5 1/2			
PERMIT ISSUED 5/15/84	4 1/2		3062.30	170 cf
DRILLING COMMENCED 10/11/85	3			
DRILLING COMPLETED 10/16/85	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			·
GEOLOGICAL TARGET FORMATION Devonian Shale				feet
Depth of completed well 3128' feet	Rotary xx	$\frac{x}{x}$ / Cabl	.e .13101	
Water strata depth: Fresh 48,342' feet;	Salt_ /06	96/ feet	% 1310°	3 no
Coal seam depths:none	. Is coal	being mir	ned in the	area?_no
OPEN FLOW DATA -	Sh	ale		_
Producing formation Upper & Lower Huron, De	vonian Pa	y zone det	oth 2	913' <b>feet</b>
Gas: Initial open flow odor Mcf/d	Oil: In	itial oper	n flow	Bb1/d
Final open flow (42) Mcf/d	Fi	nal open :	Elow	Bbl/d
Time of open flow between init	ial and f	inal test	s2_h	ours
Static rock pressure 350# psig(surface	e measure	ement) after	er 24 ho	urs shut ir
(If applicable due to multiple completion	1)			
Second producing formation	Pa	ay zone de	pth	feet
Gas: Initial open flow Mcf/d	Oil: I	nitial ope	n flow	Ebl/c
Final open flowMcf/d	Oil: F	inal open	flow	Bb1/c
Time of open flow between ini-	tial and :	final test	sh	ours
Static rock pressurepsig(surface	e measure	ment) afte	rho	urs shut i
				eleds <b>1985</b> i de

DETAILS OF PERFORATED EMERVALS, FRACTURING OR STELLATING, PHYSICAL CHANCE, ETC.

10/23/85 - Nowsco - 1 stage Foam Frac

2388/2913 - Devonian Shale - 90,000# sand, 140 Bbls water and 813,600 scf nitrogen

Under Hunon

	WE	IL LOG	
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Brown Sand Sand & Shale Big Lime Injun ( <sup>©</sup> Berea Top of Devonian Shal	0 30 963 1070 1750	30 963 1064 1219 2100 1772	l" stream fresh water @48' 1/2" stream fresh water @342' 1/2" stream salt water @706' 1" stream salt water @967' 1" stream salt water @1310'
Upper (Huron Lower Huron Angola Shlae	2602 2645 2916	2643 2916 3110	Gas Check @T.D. = odor
From nearly well! Java 2976 Huickness Angola 3016		TD 3128	
<u> </u>	/ <u>-</u>		
- H 231 2 (86)			
800' up zeu.			
-			7577

(Attach separate sheets as necessary)

Union Drilling, Inc.		
Well Operator		
By: 1) coul 1. filling	• .	
Date: Joseph C. Pettey, Vice President of Produc	tion	

12/9/85

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 and eval encountered in the drilling of a well."

1)	Date: Apr	ril 24			, 19 <u>84</u>
2)	Operator's	2050	_	2	

3) API Well No. 47 - 053 - 0358
State County Permit

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

## **APPLICATION FOR A WELL WORK PERMIT**

4) WELL TY	PE: A O	il	/ G	s X	/						
, <u></u>		f "Gas", I				/ Underground	i storage	/	Deep	/ Shallow	v X 🗘
5) LOCATIO	N: Ele	vation:	<u>55.0'</u>			Watershed:	0 -1 0 1				
	Dis	trict: <u>C1</u>	<u>enden</u>	in		County:	Mason		Quadrangle: _	Apple Gr	ove
6) WELL OP	ERATOR_	Unior	Dril.	ling,	Inc.		7) DESIGNATEI				
Address		Offic					Address			Drawer 4	
		hannor		2620	)I	<del></del>			hannon,	<u>WV 262</u>	.01
8) OIL & GA				FIED			9) DRILLING CO			T	
	Jerry T	epnabo ite 1,		01 /			Name <u>Unic</u>				
Address				5271		**************************************	Address			Drawer 4	
									thannon,	_	01
10) PROPOSE	D WELL V	WORK:		X/		•	/ Redrill				
			•				orate new formation		<u>ר</u> ה '	15(公里)	(/A)Z)V)
11) GEOLOGI	CAL TAR	CET FOR				well (specify) Shale			1	999	146
12) Estima						fee	·t		101		
13) Appro					?		lt. ?	f	eet.	APR 2	5 1934
14) Appro		•	, _		?		oal being mined in the			au_o/ chios	XXVISION /
15) CASING A		-								OIL & GAS	MINIES
CASING OR	1	SPEC	IFICATION:	6	11	FOOTAGE	INTERVALS	CE	MENT FILD	PT. OF	EKERS
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		OR SACKS (Cubic feet)		•
Conductor	13-3/8	H-40	48	Х		30 <b>'</b>	30	to	surface	Kinds	
Fresh water	9-5/8	K-55	30	X		600'	600'	1	required		
Cosi								1		Sizes	
Intermediate	7	K-55	23	X		1800'	800'	77	sacks		
Production	4-1/2	J	$10^{\frac{1}{2}}$	X		3500'	3500'	90	sacks	Depths set	
Tubing								#			
Liners								₩		Perforations:	
:								#		Тор	Bottom
	1							+		#	
				<u>!</u>				11	· · · · · · · · · · · · · · · · · · ·		
	•										
· · · · · · · · · · · · · · · · · · ·					0	FFICE USE	ONLY				
						RILLING P					
	47-	053-03	25.2						. Wass 15		10 07
Permit number_		055-0.	770		<del></del>				May 15,	ıte.	19 84
This permit cove	ering the w	ell operato	r and wel	Llocation	s chown h	elow is evidence	e of permission grant	ad to di			artinant lagal -a
quirements subje	ct to the co	onditions of	ontained	herein an	id on the r	everse hereof. N	otification must be g	iven to	the District O	l and Gas Inst	ector. (Referito
No. 8) Prior to tl	he construc	tion of ros	ids, locati	ons and p	pits for an	y permitted wor	k. In addition, the w	ell oper	ator or his co	ntractor shall r	notify the proper
district oil and g	_			-			ŕ				
The permitted w reverse hereof.	ork is as de	scribed in	the Notic	e and Ap	plication,	plat, and reclar	nation plan, subject t	to any n	nodifications a	and conditions	specified on the
Permit expires _	May	15,	L986			unless we	ell work is commenced	l prior t	o that date and	I prosecuted wi	ith due diligence
					***************************************	umess we	on work is commenced	pilot t	o mai date and	prosecuted wi	im duc dingence.
Pond:	A con-		Dist.	Co							
Bond:	Agen:		Plat:	Casing	1	Tee / / / / / / / / / / / / / / / / / /					
00		2 1/2		10		34	·		-12/1		<b>/</b> .
									<u> </u>		
							Adm	inistrat	or, Office of	Oil and Gas	
NOTE: Keep o	ne copy of	this perm	it posted a	at the dri	lling locat	ion.					