



OIL & GAS DIVISION
DEPT. OF MINES



State of Mest Airginia Pepartment of Mines Oil und Vas Pivision

Date	November	2,	198	4
	tor's	1 _	2014	
Well				
Farm	Verlin	Chil	ders	#1
API N	ю. 47 -	053	-	0345

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas x / Liquid Injection (If "Gas," Production / Undergrou	/ Wast	e Disposal ge/ Deep	L/ D/ Shal	llợw _{XX} /)
IOCATION: Elevation: 562.1' Watershed M	fud Run			
District: Clendenin County Maso		Quadrangle	Apple G	rove
		•		
·				
CCMPANY Union Drilling, Inc.				
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201	Caşing	Used in	Left	Cement fill up
DESIGNATED AGENT Joseph C. Vanzant, Jr.	Tubing	Drilling	in Well	- 1
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201	Size			
SURFACE CWNER Verlin E. Childers	20-16 Cord.			
ADDRESS 174 Edison Drive, Huntington, WV 25703	13-10"			
MINERAL RIGHTS OWNER same	9 5/8	496.90'	496.90'	236 cf
ADDRESS	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK	7	1883.70	685.90'	59 cf
Jerry TephabockADDRESS Rt.1, Box 102-A, Ripley, WV	5 1/2			
PERMIT ISSUED 3/26/84 25271	4 1/2		3116.45'	151 cf
DRILLING COMMENCED 10/12/84	3		3110.43	131 01
DRILLING COMPLETED 10/16/84	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON			-	
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used		<u> </u>	:
ON	<u> </u>	<u> </u>		<u>!</u>
GEOLOGICAL TARGET FORMATION Devonian Shale			-	feet_
Depth of completed well 3170' feet I	Rotary XX	Cabl	e T∞ls_	
Water strata depth: Fresh none feet;				
Coal seam depths: none	Is coal	being min	ed in the	area? no
OPEN FLOW DATA				
Producing formation Upper & Lower Huron, A	ngola Pa	y zone dep	oth 3056	' feet
Gas: Initial open flow show Mcf/d				
Final open flow 298 Mcf/d	Fi	nal open f	low	Bbl/d
Time of open flow between init				
Static rock pressure 550# psig(surface	e measure	ment) afte	r _{3 day} box	gs shut in
(If applicable due to multiple completion				
Second producing formation		y zone deg	oth	feet
Gas: Initial open flowMcf/d	Oil: Ir	itial oper	flow	Bb1/d
Final open flow Mcf/d				
Time of open flow between init				
Static rock pressurepsig(surface				
				verse side)

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

Dowell - 1 stage Foam Frac - 10/21/842433/3056 - Upper Huron - 60,000# sand, 515 bbls water and 920,000 scf nitrogen

2433- 111 4

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WELL LOG

- - -	W	ELL LOG	
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresand salt water, coal, oil and ga
Sand & Shale Berea Top of Devonian Upper Huron Lower Huron Angola Shale	0 1738 1766 2592 2648 2918	1738 1766 2608 2918 3061 3170'	T.D. gas show
Consider of the second			
1944 (1950) 1944 (1950)			in say, ve
800° op 500	-		
			•

(Attach separate sheets as necessary)

11/2/84

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 weal, encountered in the drilling of a well."



1)	Date: Febr	uary	24	, 1	9 84
2)	Operator's Well No		2014	- 1	
3)	API Well No.	47	- 053 -	0345	
		State	Cou	nty	Permit

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

APPLICATION FOR A WELL WORK PERMIT

4)	WELL TY	PE: A	Oil		as X	/					
B (If "Gas", Production X			/ Underground	l storage	/ Deep	/ Shallow X					
5)	5) LOCATION: Elevation: 562.10			Mud Run		_/ Snanow					
District: <u>Clendenin</u>				-	Quadrangle:	Annle Grove					
6)	WELL OP	ERATOR	_Unio	n Dril	ling	Inc.			DAGENT Josep		Jr.
	Address		st Off					Address	Post Office		. 01.
	•	Buo	khann	on. WV	20	5201		. 1441 000	Buckhannon,		-
8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CON									114 20201		
	Name	Jer	ry Tepl	habock					on Drilling.	Inc	
	Address		Route			-A		Address	Post Office		
	*		Ripley	,				Address	Buckhannon.		
10)	PROPOSE		_ ,	Drill	Χ	_/ Drill		/ 35 1 111			ALEAS E
,			WORK.				ueeper	rate new formation	/ Stimulate X		
								rate new formation			
11)	GEOLOGI	CAI TAD	CET FOR	Other I	niysicai De	evonia	n Shale		(spair k	FEB 2.7 19	84
	12) Estima					3500'				[C.U. da : 12	<u> </u>
	13) Appro	-	-	•			feet	•	_	OIL & GAS DIV	ISION
	14) Appro						feet; sal		reet.		
	CASING A					<u> </u>	1s co	oal being mined in th	e area? Yes D	PJ. NOF W	TVF
•	SING OR	111 <i>D</i> 10 <i>D</i> .			-						
	BING TYPE		1	CIFICATION Weight	S I	. [FOOTAGE	INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS	
		Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)		
	luctor	11-3/	4	32	X_	 	30'	30'		Kinds	
	water		<u> </u>		ļ		<u> </u>				
Coal				 			762	762		Sizes	
	mediate	8-5/		23_	X	├	- 1000 '	1000	to surface	by rule	150
	uction	4-1/	2J	$10^{\frac{1}{2}}$	X		3500'	3500'	as required	Depths set	
Tubin			 -	<u> </u>					by ru	Ve 15.01	
Liners	<u> </u>		ļ	 _						Perforations:	•
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		ļ		ļ							
		<u> </u>	<u> </u>			<u> </u>					-
		*									
							OFFICE USE	ONLY			And the second
						j	DRILLING PE	RMIT '			
Perm	it number	47-	053-03	45			•		March 26		0.07
								-	March 26		9 84
This :	permit cover	ing the we	ell operato	r and well	locatio	n shown	below is evidence	of permission grants	ed to drill in accordance	an and all all all all all all all all all al	
1	memo subjec	it to the co	Jiidiidiis (Ontained I	icrein a	na on the	e reverse perent. No	titication must be a	was to the District Oil		
10. 0	<i>,</i> , , , , , , , , , , , , , , , , , ,	e consuire	HOR OF LOS	ius. Jucau	ons and	DIES FOR S	any permitted work ork has commence	In addition the w	ell operator or his cont	ractor shall notify the	proper
								•			
ne p	se hereof.	rk is as de	scribed in	the Notice	and A	pplication	n, plat, and reclam	ation plan, subject t	o any modifications an	d conditions specified	d on the
	it expires	Mar	ch 26,	1986			, .,				
CITI	it expires		,				unless well	work is commenced	prior to that date and p	prosecuted with due di	ligence.
				— т							
	nd:	Agent	1: 1 F	Plat:	Casin	_ _	Fee				
P	LANKET	- 12	$o \mid h$	741	m	11 0	4-			_	
L				/,-	<u> </u>	V 15	- /_		11. 1		
								//	4 held	<u> </u>	
ЮТЕ	E: Keep on	e copy of	this nermi	t posted a	t the de	illing loc	ation	Admi	nistrator, Office of Oi	and Gas	
,				- postou a	u						File