

IV-35 (Rev 8-81) NOV 1 3 1984

State of Mest Airginia Well No. 3 - 2020

Date November 12, 1984 Operator's Farm William Woods, Jr. #3 API No. 47 - 053 - 0343

OIL & GAS DIVISION

Static rock pressure

Department of Mines DEPT. OF MINES Wil and Was Division

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

	/ Wast	o Diemes	ı /	•
WELL TYPE: Oil / Gas X / Liquid Injection (If "Gas," Production / Undergrou	nd Storag	e/ Deep	/ Sha	llowx/)
IOCATION: Elevation: 825' Watershed			•	
District: Clendenin County Maso	n	Quadrangle	Apple G	rove
CCMPANY UNION DRILLING, INC.				
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201	[a	7,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	T - 54	Cerent
DESIGNATED AGENT Joseph C. Vanzant, Jr.	Casing	Used in	Left	fill up Cu. ft.
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201	Tubing	Drilling	In well	Cu. It.
SURFACE CWNER William Woods, Jr.	Size 20-16 Cord.			•
ADDRESS Gallipolis Ferry, WV 25515	13-10"			
MINERAL RIGHTS OWNER same	9 5/8	694.50	694.50	271 cf
ADDRESS	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK	7	2148.80'	733.30'	58 cf
Jerry TephabockADDRESS Rtl,Box 101A, Ripley, WV 25271	5 1/2			
PERMIT ISSUED 3/26/84 25271	4 1/2		3368.25'	160 cf
DRILLING COMMENCED 10/22/84	3			
DRILLING COMPLETED 10/27/84	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners			
ON	used			<u> </u>
GEOLOGICAL TARGET FORMATION Devonian Shale		Dep	th35	_{00'} feet
Depth of completed well 3412' feet	Rotary XX	/ Cabl	e T∞ls_	
Water strata depth: Freshfeet;	Salt 845	<u>'1350'</u> feet		
Coal seam depths: none	Is coal	being min	ed in the	area? no
OPEN FLOW DATA -				
Producing formation Upper & Lower Huron, Ar	gola Sh p l	zone dep	th 3276	' feet
Gas: Initial open flow show Mcf/d				
Final open flow 273 Mcf/d				
Time of open flow between init			•	
Static rock pressure 550# psig(surfac				
(If applicable due to multiple completion				
Second producing formation		y zone dep	oth	feet
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between init				

___psig(surface measurement) after ____hours shut in

(Continue on reverse side)

DEC 0 3 1984

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

Nowsco - 1 stage Foam Frac - 10/31/84 Hur0 1 2918/3276 - Upper Huron - 60,000# sand, 360 Bbls water and 870,000 scf nitrogen Lower Huron Angola Shale

2017 2045

WELL LOG

-	W	ELIL IIII	
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all freshand salt water, coal, oil and ca
Sand & Shale Berea Top of Devonian Upper Huron Lower Huron Angola Shale	0 2064 2092 2912 2967 3241	2064 2092 2929 3240 3294 3412	1 1/2" stream salt water @845'
	·		
A 2000.			
· -	1		3007

(Attach separate sheets as necessary)

UNION DRILLING, INC Well Operator Date: Joseph C. Pettey, Vice Rresident of Production

11/12/84

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 encountered in the drilling of a well."



1)	Date:_	Februar	y 24,	1984	, 19
21	Operat	or's		_	

2) Operator's 2020 - 3 Well No.____

3) API Well No. 47 - 053 - 0343

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 C	Oil	/ Gi	asX					
		If "Gas",			. ·	_/ Underground		/ Deep	\mathcal{L} Shallow \mathcal{L}
5) LOCATIO		evation: _				_ Watershed: _	Flatfoot Cr		
		strict: <u>C1</u>					Mason	Quadrangle:	Apple Grove
6) WELL OP							7) DESIGNATE	dagent <u>Joseph</u>	<u>n C. Vanzant, Jr.</u>
Address		st Offi				,	Address	<u>Post Office</u>	Drawer 40
•	<u>Buc</u>	:khanno	n, WV	26	201			Buckhannon,	WV 26201
8) OIL & GA				FIED			9) DRILLING C		•
Name		y Teph					Name <u>Uni</u>	on Drilling, 1	[nc.
Address		ute 1,				<u></u>	Address	Post Office	
	<u>Ri</u>	pley,		25271				Buckhannon,	WV 26201
10) PROPOSE	D WELL	WORK:	Drill	ζ.	_/ Drill	deeper	/ Redrill	/ Stimulate X	THE PROPERTY OF THE PARTY OF TH
			Plug of	f old f	ormation_	/ Perfo	rate new formation		
			Other p			well (specify)			
11) GEOLOGI	CAL TAR	GET FOR	MATION	, <u>D</u>	evonia	n Shale		(FFR 2 7 1984
12) Estima	ted depth	of complet	ed well,		<u>3500</u>	feet	t		
13) Appro	ximate tra	ta depths:	Fresh, _		?	feet; sal	t,?	feet.	OIL & GAS DIVISION
14) Appro	ximate coa	ıl seam dep	ths:		?	Is co	oal being mined in th	e area? Yes	No XAINE
15) CASING A	ND TUB	ING PRO	GRAM						MAY A. OF WHILE
CASING OR	II	SPEC	IFICATION	6	11	FOOTAGE	INTERVALS	CEMENT FILL-UP	PACKERS
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor	11-3/		32	Y		30'	30'	(Outre liter)	Kinds
Fresh water	1		1				30		Aires
Coal	1								Sizes
Intermediate	8-5/	'R	23	X.		1000'	1000'	to surface	WS-AT
Production	4-1/		10½	X		3500'	3500'	as required	Depths set
Tubing			102				2300	bu ru	le 15.05
Liners								1 29 14	Perforations:
									Top Bottom
									10p Bottom
	i								
			<u> </u>	4	·"			_H	II
	+								
						OFFICE USE	ONLY		
						DRILLING PH			
	47.	-053-03	343					March 2	6, 19 84
Permit number_		055 0.	743					*****	
This parmit save		all amanata		1 104:		hala!.		Dat	e
quirements subje	ct to the c	onditions	ontained	herein a	ind on the	reverse hereof. No	of permission gran	ied to drill in accordantiven to the District Oil	and Gas Inspector. (Refer to
vo. 8) Prior to th	e construc	tion of ros	ds, locatio	ns and	pits for a	ny permitted work	In addition, the v	vell operator or his con	ce with the pertinent legal re- and Gas Inspector, (Refer to tractor shall notify the proper
district oil and g	as inspecto	or 24 hours	before a	tual pe	rmitted we	ork has commence	ed.)		
The permitted we	ork is as d	escribed in	the Notic	e and A	pplication	, plat, and reclam	nation plan, subject	to any modifications a	nd conditions specified on the
reverse hereof.	Maı	rch 26	1986						
Permit expires _	1141	20,	1700			unless wel	ll work is commence	d prior to that date and	prosecuted with due diligence.
Bond:	Agen	4; 1/ I	Plat:	Casin	g	Fee			
CA MANAE!		$\langle n l$	~ 11	mi	10	14 -			a .
	1	12 1	N P	1111	<u> 15</u>	27		11 4	
							//	Krell	<u>~</u>
NOTE. V		: alaia		. 4 Ab · •	-:11: 1		Adn	ninistrator, Office of O	il and Gas
NOTE: Keep of	ne copy of	this perm	it posted a	it the di	rilling loca	ttion.			

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.