



OIL & GAS DIVISION
DEPT. OF MINES



State of Mest Airginia Department of Mines voil and Cas Division

Date	November 20, 1984						
Operator's							
Well No. 5 - 2023							
Farm Da	le Nibert #5						
API No.4	7 - 053 - 0340						

'(Contirue on reverse side)

WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas X / Liquid Injection (If "Gas," Production / Undergrou	ı/ Wast ınd Storag	e Disposal e/ Deep	L/ D/ Sha	ll _{ow_x} /)
IOCATION: Elevation: 804' Watershed_	Flatfoot	Creek	+	
District: Clendenin County Mason				
<u> </u>		•		
CCMPANY UNION DRILLING, INC.		· .		
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201	Casing	Used in	Left	Cerent fill up
DESIGNATED AGENT Joseph C. Vanzant, Jr.	Tubing	Drilling	in Well	
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201	Size			•
SURFACE CWNER Dale Nibert	20-16 Cord.			
ADDRESS Apple Grove, WV 25502	13-10"			
MINERAL RIGHTS OWNER Same	9 5/8	759.20'	759.20'	283 cf
ADDRESS	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK	7	2147.60	695.12'	59 cf
Jerry Tephabockappress Rtl, Box 101A, Ripley, WV	5 1/2			
PERMIT ISSUED 3/26/84 252/1	4 1/2		3344.25'	143 cf
DRILLING COMMENCED 10/30/84	3			
DRILLING COMPLETED 11/4/84	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			·
GEOLOGICAL TARGET FORMATION Devonian Sha	le	Dep	th 3:	_{500'} feet
Depth of completed well 3456' feet				
Water strata depth: Freshfeet;				
Coal seam depths: none				area? no
	•	•		
OPEN FLOW DATA -	7-		 3256	' f oot
Producing formation Upper & Lower Huron				
Gas: Initial open flow show Mcf/d Final open flow 146 Mcf/d	OTT: III	nal coon f	1 110	BDL/C
Time of open flow between init				
Static rock pressure 450# psig(surface		Henc) aru	13 daysaa	WAY STUC II
(If applicable due to multiple completion		u sono dor	nth	faci
Second producing formation Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between ini				
Static rock pressurepsig(surface			L	

DETAILS OF PERFORMTED INTERVALS, FRACTURING OR STIPULATING, PHYSICAL CHANGE, ETC.

 ${\tt Halliburton - 1 \ stage \ Foam \ Frac - 11/13/84}$

Upper Huron - 2930/3256 - 60,000# sand, 180 Bbls water and 1,593,000 scf nitrogen Lower Huron

WELL LOG

	WI	ELL LOG	
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale Berea Sand & Shale Upper Huron Shale Lower Huron Shale Angola Shale	0 2058 2083 2930 2980 3256	2058 2083 (%) 2930 2942 3256 3456'	1" stream salt water @1330' 1" stream salt water @1457' 2" stream salt water @1605' T.D.gas show
100 50 00 810 KB			
28.4 Hours			
•••			
			29.0 20.0

(Attach separate sheets as necessary)

UNION ERILLING, INC.
Well Operator
By: Sased a fetting
Date: Joseph C. Pettey, Vice Preisdent of Production

11/20/84

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 only encountered in the drilling of a well."



1) Date: February	24	19_84
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2) Operator's Well No.3) API Well No.

2023

17 - 053 - 0340

State County

Permit

File

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

4) WELL TY	PE: A O	ii		as X	<u> </u>	eran isana Agenja		i Sastantana Ede	Orac in Land 1971
v			Underground		/ Deep				
5) LOCATIO	N Ele	vation: _	804'		-	Flatfoot Cr			
3, 200,1110			endeni	n		County: M			Apple Grove
6) WELL OF					Inc.	<u> </u>			n C. Vanzant, Jr.
Address	6) WELLOPERATOR <u>Union Drilling, Inc.</u> Address <u>Post Office Drawer 40</u>					Address	Post Office		
, idai co			non, W		6201		Addiess	Buckhannon.	
8) OII & GA	S INSPEC				3.5.4		9) DRILLING C	•	NV 20201
Name		Teph		1125			,	n Drilling.	Inc
Address			Box 10)1-a			Address	Post Office	
ridares		ey. W		271			Addicss	Buckhannon	
A) BBABAG		, , ,	Drill		/ D 11	•	/ 		
0) PROPOSE	ED WELL V	WORK:			_/ Drill	deeper	/ Redrill	/ Stimulate4	MIN DESCRIPTION OF THE
			•		-		rate new formation		
				ת	change in w evonian	ell (specify)			FFR 2 7 1984
1) GEOLOG				,	3500'				The same of the sa
,	ated depth o	•	•		? ?	feet	9	_	OIL & GAS DIVISIO
	oximate trata	-	•		<u>:</u>	feet; sal		feet.	
,	oximate coal	-			•	Is co	oal being mined in th	e area? Yes 🔔	No OFX MIN
5) CASING	AND TUBII	NG PRO	GRAM						
CASING OR TUBING TYPE	1	SPEC	IFICATION Weight	S		FOOTAGE	INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
onductor	11-3/4		32	<u> </u>		30'	30'		Kinds
resh water				ļ		· · · · · · · · · · · · · · · · · · ·			
oal			<u> </u>						Sizes
ntermediate	8-5/8		23	X		1000'	1000'	to surface	WEAT
roduction	4-1/2	J	101/5	Х		3500'	3500'	as required	Depths set
ubing								bu	rule 1501
iners								7	Perforations:
*		3.419					And The Control		Top Bottom
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					OF	FICE USE	ONLY		
***************************************						ULLING PE			
ermit number_	4/-()53 - 03	40					March 2	6, 19 84
								Da	••
his permit cove	ering the we	ll operato	or and wel	l locatio	on shown be	low is evidence	of permission grant	ed to drill in accordar	nce with the pertinent legal re-
uirements subje	ect to the co	nditions of	contained	herein a	ind on the re	verse hereof. No	otification must be g	given to the District O	l and Gas Inspector, (Refer to
strict oil and s	ne construct as inspector	24 hours	aus, iocau s before a	ons and ctual pe	i pits for any rmitted work	permitted work	i. In addition, the w	veil operator or his cor	itractor shall notify the proper
							•		
ne permitted w verse hereof.	ork is as de	scribea in	the Notic	e and A	application, p	olat, and reclam	ation plan, subject	to any modifications a	and conditions specified on the
	Marc	h 26,	1986			unless well	work is commenced	d prior to that data and	procesused with due dilinon-
						umess wer	WOLK IS COMMISSING	i prior to that date and	-
		. レ							olekko oli 1 ± + oli 1 stoli O
Bond:	Agent	\cdot	Plat:	Casin					
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GARAST		$\rho \mid r$		rxu	1 / 1	- フ	· · · · · · · · · · · · · · · · · · ·	210	
	L,	0/	1/1/	DH	1 50	-7	-	10,1	
This permit cover quirements subjective to the control of the coverage of the coverage of the permitted where the coverse hereof.	ering the we ect to the co the construct as inspector ork is as de	ell operatorions of roll of ro	or and well contained ads, locati s before a	herein a ions and ctual pe ee and A	and on the re	verse hereof. No permitted work has commence plat, and reclam unless well	otification must be a c. In addition, the w d.) ation plan, subject	Da ed to drill in accordan given to the District Oi vell operator or his cor to any modifications a	

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