





IV-35 (Rev 8-81)

DEST. OF MINES

State of Mest Birginia

Bepartment of Mines Wil und Cas Phision

Date February 7,1984								
Operator's								
Well No. 1 - 1964								
Farm_	Richar	d Kin	nard	#1				
API No.	. 47 -	053	_	0318				

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 ind Storag	e Disposal e/ Deep	/ / Sha	llow <u>x</u> /)
IOCATION: Elevation: 572' Watershed_	Flatfoot (Creek		
District: Clendenin County Mason			Apple	Grove
COMPANY UNION DRILLING, INC.				
ADDRESS p.O. Drawer 40. Buckahnnon, WV 26201	Caşing	Used in	Left	Cement fill up
DESIGNATED AGENT Joseph C. Vanzant.Jr.	Tubing	Drilling	in Well	
ADDRESS P.O.Drawer 40, Buckhannon, WV 26201	Size			
SURFACE OWNER Richard Kinnard	20-16 Cord.			
ADDRESS Box 180, Gallipolis Ferry,WV 25515	13-10"	35'	·	
MINERAL RIGHTS OWNER Same	9 5/8	752.45'		
ADDRESS	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK	7	1845.26'	682.6'	59 cf
Jerry Tephaboc DDRFSS Rtl.Box 101-A.Ripley.WV	5 1/2			
PERMIT ISSUED 11/28/83 25271	4 1/2	3089.55'		131 cf
DRILLING COMMENCED 1/31/84	3			
DRILLING COMPLETED 2/5/84	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners useđ			:
GEOLOGICAL TARGET FORMATION Devonian Shale	e	Dep	th	500' feet
Depth of completed well 3252' feet				
Water strata depth: Fresh 35',97' feet;	Salt	feet		
Coal seam depths: none 368'	Is coal	being min	ed in the	area? no
OPEN FLOW DATA -				
Producing formation Lower Huron	Pa	y zone dep	th 2986	' feet
Gas: Initial open flow show Mcf/d		•		Bbl/d
		nal open f		Bbl/d
Time of open flow between init		_		ours
Static rock pressure not takenpsig(surfac				
(If applicable due to multiple completion				· · · · ·
Second producing formation		y zone dep	th	feet
				Bb1/d
Final open flow Mcf/d				
Time of open flow between init				
Static rock pressurepsig(surface	measurem	ent) after	hou	ırs shut in

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

Dowell - Foam Frac - 2/9/84

2352/2992 - Lower Huron - 60,000# 20/40 sand,210 Bbls water and 1,018,000 scf nitrogen

2352-2644 00

36A4 2002 4

WELL LOG

		W.		
FORMATION COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
River Gravel Sand & Shale Big Lime Berea sand Sand & Shale Lower Huron Angola		0 30 1145 1801 1832 2720 3050	30 422 1801 1832 2000 2998 3142 3252 T.D	1" stream water @ 35',97,& 368'
			Phinest (3)	32 52 1832 1420
•		-		Acm 6.2 log -e 503 kB H-2644-2995 351 3 2095-3099 (104) - A 3099- 2218 (119) Eh 3219
			·	Signification
	•			

(Attach separate sheets as necessary)

Union Drilling Inc.	
Well Operator	
By: Coul Coletter	
Date: Joseph C. Pettev Vice Pres	ident of Production
2/14/84	

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 of a well."



1)	Date:	<u>Novemb</u>	er 9	1983
2)	Operator's Well No		1-1964	
3)	API Well No	. 47 _	053 - 0318	
		State	County	Permit

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

		•			<u>A</u>	PPLICA'	TION FOR A WI	ELL WORK PERMI	<u>T</u>		
4)	WELL TY	PE: A C	Oil	/ G	as)	(/					
٠,			If "Gas",		<u> </u>	<u>-</u>	/ Undergroun	d storage	/ Deep	/ Shallow _	X a
5)	LOCATIO		evation:	C73			Watershed:	Flatfoot Cr	eek	/ Snallow _	/)
-,				Clende			County:	17	Ovedsessler	Apple Gro	ve.
6)	WELL OP					Inc.	County	7) DESIGNATE		ph Vanzant	
٠,	Address		st Off:					Address	Post Office		
	, Addi Cs.		khanno					Address	Buckhannon,		
8)	OII & GA							0) DBILLING		111 2020.	<u> </u>
0)	Name	GAS INSPECTOR TO BE NOTIFIED Jerry Tephabock						9) DRILLING CONTRACTOR: Name Union Drilling, Inc.			
	Address		oute 1		101-A	\		Address	Post Office		
	1144100		pley,		25271		-	Address	Buckhannon,		1
Δ)	BBOBOCE				X		•			Y 2020.	
.U)	PROPOSE	D WELL	WORK:	Drill		_/ Drill		/ Redrill		APPENTING	מופות
								orate new formation	ונטן /	r Colet W	20111
	CECT CC		C				n well (specify)		110		3 111
1)	GEOLOGI								(7)7	NOV 1 0 16	183
	12) Estima									MOATOR	,,,,
	13) Appro						•	ılt, <u>?</u>	feet.	IL & GAS DI	VISION
	14) Appro		•				Is o	oal being mined in th	ne area? Yes	/ 140	ATRIES
5)	CASING A	AND TUBI	ING PRO	GRAM					DE	PT. OF IV	MINES
	SING OR BING TYPE		SPEC	IFICATION Weight	s	1	FOOTAGI	E INTERVALS	CEMENT FILL-UP	PACKER	ts
		Size	Grade	per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	Í	
onc	luctor	11-3/4		32	<u> </u>	X	30'	30'		Kinds	
resi	water	<u></u>					1001	100'	cement to	surface	by rule
Coal										Sizes	5 9 7 00 0
nter	mediate	8-5/8		23		χ	1000'	1000'	286 sacks		
rod	uction	4-1/2			X		3500'	3500'	1013 sacks	Depths set	1. by 10
ubii	ng							0000	TOTO SUCKS	Depths set	75
iner	s									Perforations:	
										Тор	Bottom
	· · · · · · · · · · · · · · · · · · ·								 	 	
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		*									
	,			***			OFFICE USE	ONLY			
							DRILLING P				
		/7 0	EQ 004	•		•	DRILLING 1	·			
ern	nit number_	4/-0	<u>53-031</u>	.8					No	ovember 28.	, 1983
									Dat		
his	permit cove	ring the w	ell operato	or and wel	llocatio	n shown	below is evidence	of permission grant	ed to drill in accordan	ice with the pertir	ient legal re-
uire	ements subje	ct to the co	onaitions (contained	herein a	nd on the	e reverse hereof. 🏲	otification must be:	given to the District Oi	l and Gas Inspect	or. (Refer to
o. stri	ict oil and g	as inspecto	r 24 hours	before a	tual per	mitted w	ork has commend	rk. In addition, the v	vell operator or his con	tractor shall notif	y the proper
ver	se hereof.	JI K IS AS U	scribed in	the Notic	e and A	ррисацо	n, piat, and rectar	nation plan, subject	to any modifications a	nd conditions spe	cified on the
erm	nit expires _	N	ovembe	er 28,	1985	•	unless we	Il work is commenced	d prior to that date and	measantad with d	
						-	umess we	or k is commenced	a prior to that date and	prosecuted with a	ue ailigence.
<u></u>			. ,	T			_ 1				
Bo	ond:	Agen	ا ا	Plat:	Casin	g	Fee				
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ΩТ	E: Keep or	ne conv of	this norm	it nosted a	at the de	illing los	ation	Adm	ninistrator, Office of O	il and Gas	
- ·	Recp O		perili	posieu i	at the Ul	ming loc	ation.				File
											* 11C