FILE COPY



2)	Operator's Well No.	7°12-2	1918	FORM IV-2(B)
1)	Date:	August	26	, 19 <u>83</u>

Permit

3) API Well No. $\frac{47 - 053 - 0307}{\text{State}}$

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

o well to	ZDE.	nactive c				IN LORA WEEK		DIEICATIONS A	OV TIMBUG
) WELL II			Production					/ Deep	
) LOCATIO			765.6				illstone C		/ Shallow _X/)
) LOCATIO			Clenden			County: Mas	THE RESERVE OF THE PERSON OF T		Apple Grove
) WELL OF	LOPERATOR Union Drilling, Inc.								
Addres			Drawe	0,	la d	IL WELL	Address	P. O. Drawe	oh C. Vanzant, Jr er 40
		Buckh	annon,	WV	26201	COMPANIES .	6	Buckhannon	
OIL & GA	AS INSPEC	CTOR TO	BE NOTI	FIED	46	5110 9	DRILLING C		
Name			her	736-	4885	AUG 29 1	98 Mame Uni	on Drilling,	Inc.
Addres	The state of the s	D #1					Address	P. O. Drawer	
	Ba	rbours	ville,	WV	25504	OIL & GAS D.		Buckhannon,	WV 26201
PROPOSI	ED WELL	WORK:	Drill	x	_ print	GAS DI	VISIRedrill	/ Stimulate	/
			Plug of	f old	formation	Perforat	new formation	/	
						ell (specify)			
GEOLOG	ICAL TAP	GET FOR	RMATION		evonian	Sha1e			
12) Estim	ated depth	of comple	ted well,	3.	500	feet			
13) Appro					?	feet; salt,_	?	feet.	
14) Appro				?		Is coal	being mined in the	e area? Yes	/ No_X
CASING	AND TUB	ING PRO	GRAM						
ASING OR UBING TYPE		SPE	CIFICATIONS Weight			FOOTAGE INT	TERVALS	CEMENT FILL-UP OR SACKS	PACKERS
	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
ductor	9 5/8		36#			300	300	to surface	Kinds
h water									
l	-		22.11						Sizes
rmediate	7		20#	X		2250	2250	400 sks.	
duction	4 1/2		10.5#	X		OB USB ONE	3500	350 sks.	Depths set
ing						SHIP DEU GU	1.7.35.80		
ers							*		Perforations:
	1 - 3	2000000	Shaut GUA	wello	VERRE	i occurrences	ARRES OF CORRE	is to record to	Top Bottom
	Halar For								
	The same of			23,000	OF	FICE USE OF	JIV	14 y y	phention received
				- 4	THE PERSON NAMED IN COLUMN	RILLING PER			
	47	-053-0	307				×		Il work started
nit number_									ber 20, 1983
						ris de			telillab at the northerm
ements subj	ering the w	onditions	or and well	locatio	on shown bel	ow is evidence of	permission grante	ed to drill in accordan	nce with the pertinent legal r
8) Prior to t	he constru	ction of ro	oads, location	ons and	pits for any	permitted work.	n addition, the w	ell operator or his cor	tractor shall notify the prop
rict oil and g	as inspecto	or 24 hour	s before ac	tual per	rmitted work	has commenced.)			NEW YORK THOUSANT A
permitted w	ork is as d	escribed in	the Notice	and A	pplication, p	olat, and reclamati	on plan, subject t	o any modifications a	nd conditions specified on the
rse hereof.			20, 1						a condition in a market
nit expires _	P			703		unless well w	ork is commenced	prior to that date and	prosecuted with due diligenc
									HER INSPECTIONS
Bond;	Agen	t:	Plat	Casin	g Fe	e			
lond:	Agen	t:	Plat	Casin	g Fe	39/		-11	Rensol
lond;	Agen	t:	Plats S	Casin	g Fe	38/		11	Respond





OFFICE USE ONLY

	Deep	Inderground storage		L "Gas", Production	
		Valershods Willscome			
	Quadrangid	Journty: 4/2500		william poidu	
pn A. Vanzant, Jr.		Anotalo Talifa			LIL OPERATOR _
E TOURS TRA	referred from	The second			
	CONTRACTOR:	Allersa 10	100 Y	TOR TO BE NOTIFIED	TARGERAL SWITTER
SAT.	See Fire Contr	J. 1989 F. S.		Succion 756	
7.70		abath BA			Address
racac via	croparties stra			Walliversod	f.al
		B GAS CIVISTONIO	den er alleri	VORK Dill X	ROPOSED WELL
		· And Milwigger	d ferration		
		(vitogga)	lien or syneth field		
				jet kormátion, 👱	EQUOCICAL TARG
					Estimated depth o
		Pet; saltis ?		depuis, Fresh,	Anproximate tract
Z ON L					
				NG PROGRAM	ASING AND TUBE
PACKERS	POLICE CONTROL OF STATE OF STA	FORTAGE BATARVALE		SPECIFICATIONS [Welch	6 01 C 146E
		or dividing the Certain was	f har by	W alg share	Size
\$50.8		300 300			
					(5)
with the second					
	.axa 904	2230			
a Denties so	2010 (128) 128	OFFICE USE ON	JIY		C \ T M . m
Performan					
his part of Form IV-2(b)	is to record the da	tes of certain occurrence	es and any foll	low-up inspections.	
	Dat	te	36 16 34-		Date(s)
pplication received		Follo	w-up inspection	n(s)	
		LING PERMIT	, DRIE		
ell work started		CANTOLIA COPILIO	reser "		
	rejoek			The state of the s	
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	unice to doth in accorda		sequesting the tropics		on without their the
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ocess of relative to the part and both to	e gleen to the Oldelet O Ewell operator or los cor	entitled waster in audition, the successful and the succession of		TOTAL STOLET CHOICE AS	oil and gas mipocon mitted work is as des
cocess Management and but the learning of the	e given to the District O Eweli operator or insect of to any modifications a	e gifted worse: In audition, the s. commerced.) and reclamation plan subjec		TOTAL STOLET CHOICE AS	mitted work is as des
cocess description of the land	e given to the District O Eweli operator or insect of to any modifications a	e gifted worse: In audition, the s. commerced.) and reclamation plan subjec		TOTAL STOLET CHOICE AS	oil and gas mipocon mitted work is as des
rocess Well Record received eclamation completed	e given to the District O Eweli operator or insect of to any modifications a	e gifted worse: In audition, the sconnerced.) and reclamation plan subjec	deplication, place	orthed in the Notice gra-	mitted work is as des
rocess Vell Record received eclamation completed	e given to the District O Eweli operator or insect of to any modifications a	e gifted worse: In audition, the sconnerced.) and reclamation plan subjec		orthed in the Notice gra-	mitted work is as des

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

IV-9 (Rev 8-81)



DATE Au	gust 24,	1983	
WELL NO.	1918		
ADT NO			

State of Mest Virginia

Bepartment of Mines Gil und Gas Bivision

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Union Drilling, Inc.	DESIGNATED AGENT Joseph C. Vanzant, Jr.
Address P O Drawer 40, Buckhannon W V 2620	Address p O Drawer 40, Buckhannon W V 2620
Telephone (304) 472-4610	Telephane (304) 472-4610
LANDOWNER Junior F. Powell	SOIL CONS. DISTRICT Western
Revegetation to be carried out by Union Dr	rilling Inc. Joseph C. Pettey VP (Agent)
This plan has been reviewed by Ment	9
and additions become a part of this plan:	
	(Date)
Jet Jet	(SC) Agent
ACCESS ROAD	LOCATION
Structure 18" CMP culvert w/rip rap (A)	Structure Drill pit (1)
Spacing at County Road and creek	Material Earth
Page Ref. Manual 1:8	Page Ref. Manual
Structure Ditch relief cross drains (B)	Structure (2)
Spacing 125'	Material
Page Ref. Manual Roadway ditch	Page Ref. Manual DECETION
Structure As needed (C)	Structure
Spacing	Material AUG 2 9 1983
Page Ref. Manual	Page Ref. Manual Oil & GAS DIVISION
All structures should be inspected regular commercial timber is to be cut and stacked cut and removed from the site before dirt u	and all brush and small timber to be
REVEGETA	ATION
Treatment Area I	Treatment Area II
Lime 3 Tons/acre or correct to pH 6.5	Lime 3 Tons/acre or correct to pH 6.5
Fertilizer 600 lbs/acre	Fertilizer 600 lbs/acre
(10-20-20 or equivalent)	(10-20-20 or equivalent)
Mulch Hay or straw 2 Tons/acre	Mulch Hay or straw 2 Tons/acre
Red clover 4 lbs/acre	Seed* Orchard grass 30 lbs/acre
Red clover 4 lbs/acre Ladino clover 2 lbs/acre	Red clover 4 lbs/acre
	Ladino clover 2 lbs/acre
*Inoculate all legumes such as vetch, trefo Inoculate with 3X recommended amount.	oil and clovers with the proper pacterium.
	Gonale of Carth
	Ronald L. Eastham & Associates 08/25/2023
COTES: Please result landsuner.	ATDRESS P.O. Box 1544
seciling for one growing season.	Huntington, WV 25716
Attach separate sheets as necessary for comments.	FHONE NO. 304/525-3171
	a second control of the party of the control of the

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

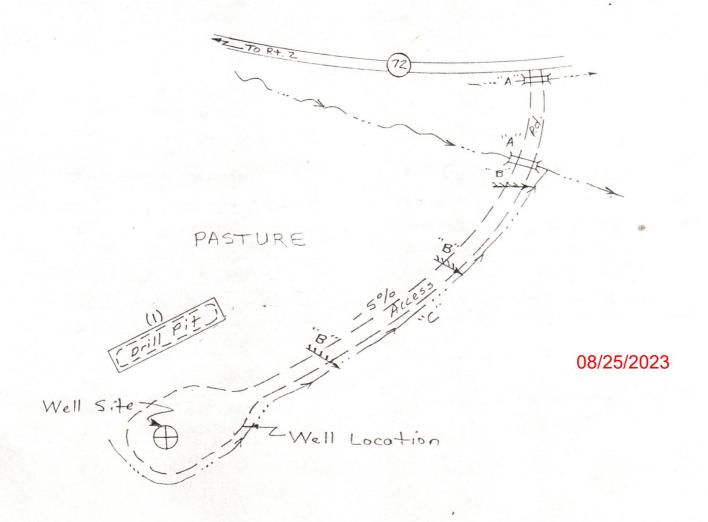
QUADRANGLE Apple Grove, W

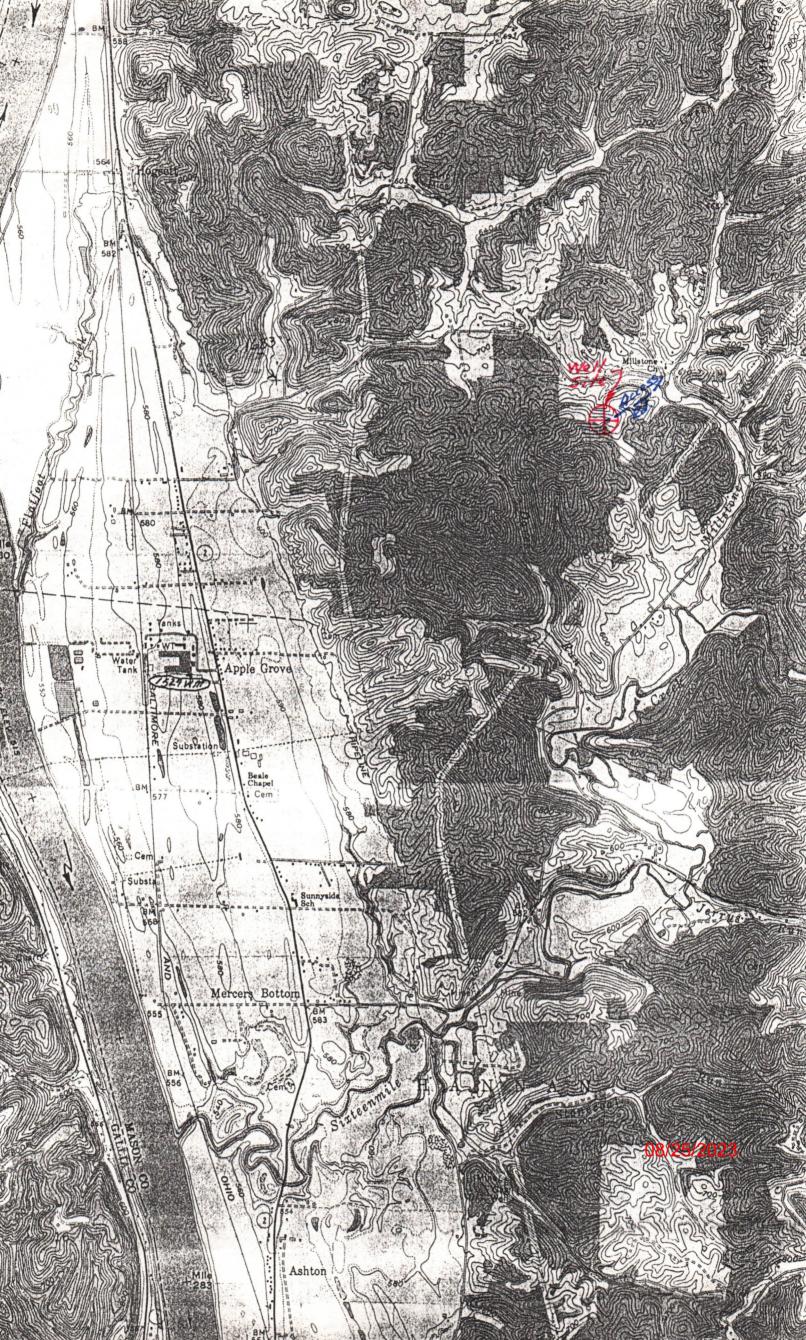
LEGEND
Well Site
Access Road ———

WELL SITE PLAN

ketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND	
Property boundary	Diversion 11111111111
Road = = = = =	Spring →
Existing fence — X — X —	Wet spot 💍
Planned fence —/—/—	Building and
Stream \	Drain pipe 0
Open ditch>>	Waterway





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08/25/2023

INSTRUCTIONS TO APPLICANT

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
 - 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-lb(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
 - 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
 - 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
 - 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-lk and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-lk(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-la(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that—

- the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Granto	or, lessor	, etc.	Grantee, lessee, etc.	Royalty	Book	Page
Junior F.	Powe11	(single)	Cyclops Corp.	1/8th	44	800
Cyclops	Corp.		Union Drilling, Inc		49	507

1) Date: August 26 ,19 83

2) Operator's

1 - 1918

Permit

Well No. 3) API Well No. 47

State County

STATE OF WEST VIRGINIA DEPARIMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SU	RFACE OWNE	R(S) OF RECORD TO BE SERVED	5(i)	COAL OPERATOR
(i)		ior F. Powell (single) Apple Grove, WV 25502	5(ii)	AddressCOAL OWNER(S) WITH DECLARATION ON RECORD
(ii)	Name Address		3 (11)	Name_Junior F. Powell (single) Address_Apple Grove, WV 25502
(iii)	Name Address			NameAddress
	_		5(iii)	COAL LESSEE WITH DECLARATION ON RECORD: Name Address
		TO THE PERSON(S) NAMED ABOVE: You should	i have received th	

(1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;

(2) The plat (surveyor's map) showing the well location on Form IV-6; and (3) The Construction and Reclamation Plan on Form IV-9)unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for

reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

6) EXTRACTION RIGHTS

Check and provide one of the following:

☐ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.

The requirement of Code 22-4-1-(c)(1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No XX

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and

The truth of the information on the
Notice and Application is verified
and sworn to and the Notice is
signed on behalf of the Well Operator
in my County and State, by
Joseph C. Feffey
this 26 day of August / 1983
My commission expires May 22 19 89

WELL
OPERATOR UNION DRILLING, INC.
By Sell (Little
Its
Address P. O. Drawer 40
Buckhannon, WV 26201
Telephone (304) 472-4610

Notary Public, County, Upshur COMMISSIONED AS State of West Virginia SHARON L. KELLEY

OIL & GAS DIVISION DEPT. OF MINES

1313	الماقار	SURFAC	DWNE	IR'S	COPY		2	Operator's Well No.	1 - 1918	1983
S.F.	P8-1	983	CHOICE TO THE PERSON OF THE PE				3) API Well No	0. 47	
		000		S	TATE	OF WEST VIR	GINIA		State Count	y Perm
OII	& GAS D	IVISION	DEPA			F MINES, OFF		GAS		
DED.	T	MIN	F A	PPLI	CATI	ON FOR A WELL	L WORK PERMI	T		
4) WELL TY	PE: A.	Oil	_/ Ga	s X	1					
5) LOCATIO	N: El	evatio	n: 76!	5.68	CTIO	Maters	rgroung stor ned Millsto	age/ Deer one Creek	o / Shallow_ngle: Apple Groseph C. Vanza	<u>x</u> /
6) WELL OP	ERATOR I	Inion	Clei	ndeni	Inc	County:	Mason	Quadrar	ngle: Apple Gro	ve
Addr	ess	P. O.	Drawer	40	LIIC.		/) DESIG	ess P.	oseph C. Vanza O. Drawer 40	nt, Jr.
		Buckha	nnon, V	VV 2	26201		11001			26201
8) OIL & G								ING CONTRACTO	R:	20201
Name Ke	s RFD	Butche:	r 736-	-4885)		Name	Union Drill	ling, Inc.	
	Barbo	oursvi	11e, W	1 25	5504			ress P. O. Di	TITT 26201	
10) PROPOSE	WELL	WORK:	Drill	x/	Dri	ll Deeper /	Redrill	/ Stimulate	non, WV 26201	
			Plug o	ii o.	ld fo	rmation	/ Perforate	new formation	n /	
11) (20)	77		Other	onvs	ICAL	change in we	ell (specify			
12) Estir	nated d	anth o	RMATIO	N,	Dev	onian Shale	3		2500	
13) Appro	oximate	water	strate	e der	t we	Fresh ?	depth of e	kisting well) salt,	3500	feet
14) Appro	oximate	coal	seam de	epths	5:	?	Is coal be	salt,	the area? Yes	/37- V
L5) CASING A	ND TUB	ING PR	OGRAM	•				ing nuned in	the area? re	/NOA
CASING OR TUBING TYPE	Size	SP! Grade	Weight per ft.	New New	Used	FOOTAGE For drilling	INTERVALS Left in well	CEMENT FILL-UP OR SACKS	PACKERS	
Conductor	9 5/8		23#	X	-	300		(Cubic feet) to surface		_
Fresh water			4			500	300	to surface	Kinds	_
Coni									Sizes	_
Intermediate	7		20#			2250	2250	400 sks.	Sizes	_
Production	4 1/2		10.5#				3500	350 sks.	Depths set	_
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	11								Perforations:	
Liners										
				1					Top Botton	_
									Top Botton	_
Liners										_
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The la issued in l Application	is to	plug a	well)	if	ne I	surface or the	Application	(or less that	ermit can be	he
The la	is to	plug a	well)	, if ection	the on"	surface owner on a facsimil	Application er(s) of rec le of this s	(or less that ord sign(s) t urface owner'	ermit can be	he
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08/25/2023

INSTRUCTIONS TO SURFACE OWNERS AND EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT

ON OIL AND GAS WELL WORK PERMIT

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) Permit will be good for 24 months. See Chapter 22, Article 4 of the W. Va. Code.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all. Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas West Virginia Department of Mines 1615 Washington Street East Charleston, WW 25311 (304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be personally served or mailed to you on or before the date the operator files his Application. You have FIFTEEN (15) DAYS after the filing date to file your comments as provided in Methods for Filing Comments below. (This time is changed to FIVE (5) DAYS from the filing date if the permit is only to plug a well.) You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments should include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the Application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

<u>List of Water Testing Laboratories</u>. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

08/25/2023



IV-35 (Rev 8-81)

DEC 2 7 1983

OIL & GAS DIVISION DIPT. OF WHITES



State of Mest Airginia

Department of Mines Wil und Vas Bivision

Date	November 29, 1983								
Operator's									
Well	No. 1 - 1918								
Farm	Junior E. Powell								
API N	6. 47 - 053 - 0307								

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas x / Liquid Inject (If "Gas," Production x / Underg	round Storag	ge/ Dee	p/ Sha	$llow_X/)$
LOCATION: Elevation: 765.68' Watershed_	Millstone C	reek		
District: Clendenin County Mas	on	Quadrangl	e Apple Gr	rove
COMPANY UNION DRILLING, INC.				
ADDRESS P. O. Drawer 40, Buckhannon, WV 26201	Casing	Used in	Left	Cement
DESIGNATED AGENT Joseph C. Vanzant, Jr.	Tubing	Drilling	The Park Total Laboratory	fill up Cu. ft.
ADDRESS P. O. Drawer 40, Buckhannon, WV 26201	Size	DITTI	TII WEIT	Cu. It.
SURFACE OWNER Junior F. Powell	20-16			nien.
ADDRESS Apple Grove, WV 25502	Cond.	77.00	77.00	A. P. C.
MINERAL RIGHTS OWNER Junior F. Powell	13-10"	33.90	33.90	754 6
ADDRESS Apple Grove, WV 25502	9 5/8	846.90'	846.90	354 cf
	8 5/8	2111 051	721 (01	
OIL AND GAS INSPECTOR FOR THIS WORK Jerry Route #1, Box 101-A Tapbaloh ADDRESS Ripley, WV 25271	7	2111.95'	721.60'	59 cf
PERMIT ISSUED September 20, 1983	5 1/2	7707 051		174
DRILLING COMMENCED 11/01/83	3	3307.05'	3307.05'	156 cf
DRILLING COMPLETED 11/08/83				
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2			
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners		·	
ON	useđ			1
GEOLOGICAL TARGET FORMATION Devonian Shall	e	Dept	h 3354	feet
Depth of completed well 3354 feet	Rotary xx	/ Cable	Tools	1000
Water strata depth: Fresh 250', 356' eet;	Salt 1730	feet		
Coal seam depths: none			ed in the	area? no
OPEN FLOW DATA				
Producing formation Devonian Shale	Pav	zone dept	h 3354	foot
Gas: Initial open flow show Mcf/d	Oil: Ini	tial open	flow	Bb1 /d
Final open flow 163 Mcf/d	Fin	al open fl	.ow	Bb1/d
Time of open flow between ini	tial and fir	nal tests	hou	re
Static rock pressure 625 psig(surfa	ice measurem	ent) after	24 hour	s shut in
(If applicable due to multiple completion				
Second producing formation		zone dept	U8/2 h	25/2023 feet
Gas: Initial open flow Mcf/d	Oil: Ini	tial open	flow	Bb1 /d
Final open flow Mcf/d	Oil: Fina	al open fl	OW .	Bb1 /d
Time of open flow between ini	tial and fir	nal tests	hou	rs
Static rock pressurepsig(surface	e measuremen	nt) after	bour	s shut in
		(Contin	ie on rev	erse side)

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

On 11/15/83 Dowell Foam Fractured the Devonian Shale with 60,000# sand, 1,050,000 SCF Nitrogen.

2906/097 Perforations:

3028/3236

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Shale Sand and Shale Red Rock Sand and Shale Big Lime Big Injun Sand and Shale White Sand Shale Berea Top of Devonian Shale	0 30 880 915 1574 1600 1635 1760 1940 2014 2040	30 880 915 1574 1600 1635 1760 1940 2014 2040 TD 3354	Water at 250' 1/2" Water at 356' damp Water at 985' 1/2" Water at 1300' 3" fresh Water at 1730' 2" salt Gas check at D.C. show of gas
		Fr.wc.	

(Attach separate sheets as necessary)

UNION DRILLING, INC.

Well Operator

Date: Joseph C. Pettey, Vice President of Production

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, encountered in the drilling of a well."

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 09 50	mit No. Do Jogo					il or Gas Well			
Company Thion	Dulling		CASING AND	USED IN DRILLING	LEFT IN	P	ACKERS		
Address	0		Size						
Farm Powt	ell,		16	5		Kind of F	Packer		
Well No			10			Size of			
District	County_A	GSIN	81/4			5120 01			
Drilling commenced	-/		6%			Depth set			
Drilling completed	Total depth		5 3/16						
Date shot			3		2 N V	The second second			
Initial open flow			Liners Used				com		
Open flow after tubing							com		
Volume			CASING CEMEN	VTED	SIZE	N. DO			
Rock pressure			NAME OF SER			No. FT.	Date		
Dil	bbls	., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEET	INCHES		
Fresh water	feet	feet	FEET_	INCH	ES	FEET	INCHES		
Salt water	feet	feet	FEET_	INCH	ES	FEET	INCHES		
Orillers' Names		we a series	25 1, 2 2 2 2 2 2 2 2 2						
Remarks: 11 2 83 1	Orilling o	n an 30	56' 12/4	M Hole,	9,100	Am.			

11/2/83 DATE DISTRICT WELL INSPECTOR

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No.				Wel	I No	
COMPANY			ADDRESS	manufacture of the second		
FARM		DISTRICT.	- C	COUNTY		
Filling Material Used						
Liner Loc	eation	Amount	Packer	Location		3
PLUGS USED A	ND DEPTH PLACED		BRIDGES	1	G AND TU	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	LOST
				3		
				-		
	5.877	2000 700 200				
	The strawer					
				and the second		
Orillers' Names		a da en garan				
1 as 1			and the second s			
Remarks:		1 - 22 - 1 2 - 22 - 1		7 - 1 - 1 - 1		
5	I hereby certify I	risited the abov	e well on this date.			
BATE					0.05.10	000
					8/25/2	023

DISTRICT WELL INSPECTOR

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

INSPECTOR'S WELL REPORT

DEPT. OF MINES

Permit No.					Oil or	Gas Well	
Company Almon			CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PA	CKERS
Address			Size				
Farm powe	De .		16			Kind of P	acker
Well No. #			10			Size of	
District	County_MA	30 N	81/4				
Drilling commenced			6%			Depth set	
Drilling completed	Total depth		3			Perf. top_	
Date shot	Depth of shot		2		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		om
Initial open flow	/10ths Water in	Inch	Liners Used		***************************************		
Open flow after tubing_	/10ths Merc. in_	Inch				Perf. bott	om
Volume		Cu. Ft.	CASING CEME	NTED	SIZE	No. FT.	Date
Rock pressure	lbs	hrs.	NAME OF SER	RVICE COMPA	NY		
Oil	bbls., 1	st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEET	INCHES
Fresh water	feet	feet	FEET_	INCH	ES	FEET	INCHES
Salt water	feet	feet	FEET_	INCH	ES	FEET	INCHES
Drillers' Names							
Remarks: 11 383	Camut 30	5 95/8	"csq 84	16.9 'Set	out 856,9	46	
11683	52975 7"CS	g Set		-Kh ToTel	Teet of p	ipe 2/11	.95
/1 8	883 765754	13" (5)	7 3307,05	- set at	3317.05	the	1
11 168	2 Dowell	853K	5			08/25/	12022/

moved to ver location

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

COMPANY	-		ADDRESS			3.00
FARM		DISTRICT		OUNTY		and the same
Filling Material Used						
iner Loc	cation	Amount	Packer	Location		
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOS
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rillers' Names				hadis si mara are s		
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OIL & GAS DIVISION
DEPT. OF MINES

Administrator-Oil & Gas Division

DATE

June 27, 1984<mark>08/25/202</mark>3

State of West Virginia

Bepartment of Mines Oil and Gas Bivision Charleston 25305

FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT January 3, 1984

COMPANY	Union Drilling, Inc.	PERMIT NO	033 0307	
P. 0.	Drawer 40	FARM & WEL	L NO J. E.	Powell, #1-1918
Buckh	annon, West Virginia 26201	DIST. & CO	UNTY Clender	nin/Mason
			IN COMPLI	ANCE
RULE	DESCRIPTION		YES	NO
23.06	Notification Prior to Starting Work		V	
25.04	Prepared before Drilling to Prevent	Waste	<u></u>	
25.03	High-Pressure Drilling			· ·
16.01	Required Permits at Wellsite		~	The state of the s
15.03	Adequate Fresh Water Casing		V	
15.02	Adequate Coal Casing			
15.01	Adequate Production Casing			
15.04	Adequate Cement Strenght		V	
15.05	Cement Type			
23.02	Maintained Access Roads		_	
25.01	Necessary Equipment to Prevent Waste	2		
23.04	Reclaimed Drilling Pits		V	
23.05	No Surface or Underground Pollution			· ·
23.07	Requirements for Production & Gather	ing Pipelines		
16.01	Well Records on Site			
16.02	Well Records Filed			
7.05	Identification Markings			
I HAVE I	INSPECTED THE ABOVE CAPTIONED WELL AND	RECOMMEND TH	AT IT BE RE	LEASED:
· :) ./	1000
		SIGNED _	Jany -	rephalon
		DATE		6784
		DATE		6 / 1
Your wel	l record was received and reclamation	requirements	approved.	In accordance
with Cha	apter 22, Article 4, Section 2, the ab	sove well will	remain und	er bond

coverage for the life of the well.

