

1)	Date: December 23	, 1983
2)	Operator's Well No. 2-1951	FORM IV-2(B)
2)	ADI W-II No. 47 - 083 - 0	866

County

Permit

State

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

APPLICATION FOR A WELL WORK PERMIT

4) WELL TYI			Production	17				/ Deep	/ Shallow X/)
5) LOCATIO		ation:	2745'				ee Shanty F	tun	
	Dist	1100.	iddle 1			County: Ra			Pickens
6) WELL OP	ERATOR	Jnion	Drillin	ng,	Inc.		7) DESIGNATEI		ph C. Vanzant, Jr.
Address	STATE OF THE PARTY		ice Dra				Address	THE RESIDENCE OF THE PARTY OF T	e Drawer 40
	Buc	khann	on, WV	26	201			Buckhannon	, WV 26201
8) OIL & GA	S INSPECT	OR TO	BE NOTIF	IED			9) DRILLING C		
Name	Philli						Name Uni	on Drilling	
Address			1 Deliv		TO A VIOLENCE OF THE PARTY OF T		Address	The state of the s	e Drawer 40
		Ellamo	re, WV	26	267				, WV 26201
) PROPOSE	D WELL W	VORK:	Drill			deeper		/ Stimulate_	X
			Plug off	old f	ormation_	/ Perfora	ate new formation		D)G(GELVE
			Other ph	ysical	change in	well (specify)			
) GEOLOGI	CAL TARC	GET FOR	MATION,	Ben	son			7. 5. A. M	1004
12) Estima	ted depth o	f complet	ed well, _	4	000	feet			JAN 5 - 1984
13) Appro					?	feet; salt		feet.	OILNA GAS DIVISIO
14) Appro					?	Is co	al being mined in th	e area? Yes	110
CASING A	ND TUBIN	NG PRO	GRAM						DEPT. OF MIN
CASING OR		SPEC	IFICATIONS		- 1	FOOTAGE I	NTERVALS	OR SACKS	PACKERS
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
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esh water						3/1/2			
oal					1	12751	12751	CTS NO	Sizes
termediate	8-5/8		23		X	1000	1000	209 sacks	
roduction	4-1/2	J	10.5	X		4000'	4000'	836 sacks	Depths set
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	See at the					OFFICE USE			
						DRILLING PE	RMII		Well work started
	47-0	83-08	66					Januar	y 23, 19 84
ermit number									Date 1115 atl 10 nonatemo.
his permit cov	ering the w	ell operat	or and wel	l locati	ion shown	below is evidence	of permission gran	ted to drill in accor	dance with the pertinent legal re-
(a 0) Dalos to	the construct	etion of r	oads, locati	ons an	d pits for	any permitted wor ork has commence	k. In addition, the	well operator of his	contractor shall notify the proper
istrict oil and	gas inspecto	or 24 noui	s before at	iuai p	erimited w	OIR has comment	,	to any modification	as and conditions specified on the
	vork is as d	escribed in	n the Notic	e and	Applicatio	n, plat, and reclam	lation plan, subject	to any mounication	ns and conditions specified on the
everse hereof.	Jan	uary 2	3, 1986			unless we	l work is commence	ed prior to that date	and prosecuted with due diligence.
ermit expires		-		North The		uniess we			THER INSPECTIONS
		1	T						
Bond:	Agen	t:	Plat:	Casi	ing	Fee			Reason
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100		,,	170	111	-		1/	116	Reitsone
							Ad	ministrator, Office	of Oil and Gas
NOTE: Keep	one copy of	f this peri	nit posted	at the	drilling loc	cation.			File
TOIL. Meet	copj of	P		THE RESERVE AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO T	STATE OF THE PROPERTY OF THE				File



FILE COPY

PORM IV-2(B)

STATE OF WEST VIRGINIA

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5.005							LOCATION
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	1 65 55 0 3 204	Address		0 A 123			WELL OPER
V -26201					THE CHO		Address
	NTRACTOR:	9) DRHEING (9) Name 11:5			BE NOTIFIED	NSPECTOR TO	OIL & OAS
ALL TO VERY	7.55£120.5209	Address					Address
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			[ref;	7		nate trata depairs:	
	area? Yes	coal being mined in the			ilis:	nate coal seam dep	(4) Approxim
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PACKERS	CEMENT PHILES	TR INTERPALA	FOOTA		DICATIONS	74 - 8P EC	у по аи
	(Cultiv tent)	How of their	goldhris 164	basic wa	Main W.	Size Grade	BING TYPE
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							1916 N
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25,504	ASV STA	75.8	100				
September 2015	ASM STAN	OFFICE	ISE ONLY		# 2. L	T 812-1	steitpere
by rate 1501	ATS NEA	OFFICE	USE ONLY		2 2 1	T. (S.) = 1	mediate
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by rate 1501	(b) is to record the			nd any foll	ow-up insp	ections.	enedies e netion Si AB
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Chis part of Form IV-20		Date YAMO A	ccurrences a	inspection			nediste. Methon Signature. Methon Signature.
This part of Form IV-20 Application received Well work started	E Vaca et acc	Date YAMO A	Follow-up	inspection	n(s)		rolland rolland ee(s)
Application received Well work started Completion of the drilling	ng	Date YAMO A	Follow-up	inspection ,,	1(s)		e(s)
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Application received Well work started Completion of the drilling	ng la drill in ac ordano the cordano the cordano to the cordano th	Date YAYO B TIMARA Constitution of the state of the sta	Follow-up	o inspection ,,	n(s)	Dat	netton Salarion (a) (a) (a) (b) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d
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Application received Well work started Completion of the drilling process Well Record received Reclamation completed OTHER INSPECTIONS	g gueros da de de la condance de la configuración su la configuración de la configurac	e dates of certain of Date E ONLY E RAMIT A direction grants and the deficient the we sheet? Befullon plan, subject to large and plan, subject to	Follow-up Follow-up	o inspection ,, award notice art and is, abiliaring in outside (s, in	(e)n or and well to contained her sads, together s before actua in the Notice es	Dat 17–118 - 118 10 the well operate conductions in specific of the conduction of the single conduction of the state of the conduction of the con	e(s) nit number permit covering the state of the state
Application received Well work started Completion of the drilling process Well Record received Reclamation completed	g gueros da de de la condance de la configuración su la configuración de la configurac	e dates of certain of Date E ONLY E RAMIT A direction grants and the deficient the we sheet? Befullon plan, subject to large and plan, subject to	Follow-up	nword no?'s my betting the base mis well and the mis well and the betting the obtaining the betting the bettin the betting the betting the betting the betting the betting the	(e)n or and well to contained her sads, togethin s before action	Dat	e(s) nit number permit covering the subject of and gall prior to in and gall permitted wo see hereof

Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location



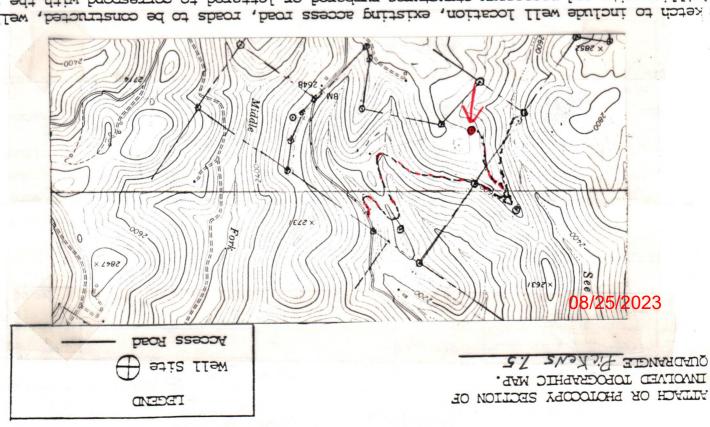


DATE /2-/5-83 WELL NO. /95/ API NO. 47-083-0866

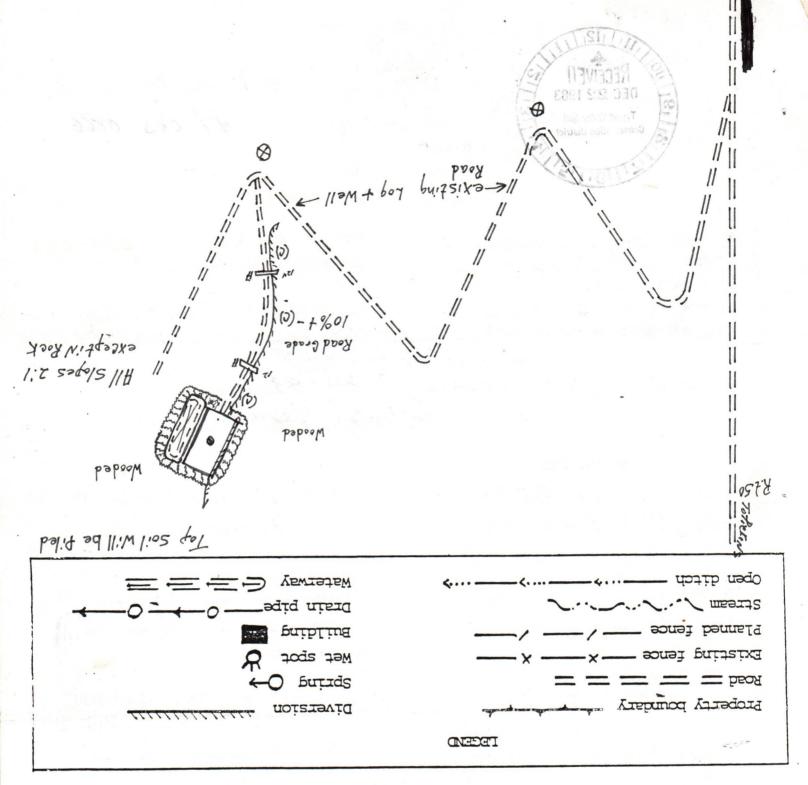
State of Mest Airginia Pepartment of Mines Gil and Gas Pivision

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Union Drilling, Inc.		ESIGNATED AGENT Joseph C. Vanzant, Jr.
Address P. O. Drawer 40, Buckhannon	n, WV	Address P. O. Drawer 40, Buckhannon, WV 26
Telephone 472-4610		Telephone 472-4610
LANDOWNER Mildred Joves	-	SOIL CONS. DISTRICT Tygart Valley
Revegetation to be carried out by	Union Dr	rilling, Inc. (Agent)
This plan has been reviewed by	Tygori	SCD. All corrections
and additions become a part of this pla	in: 12	1-24-83
	All	(Date)
	fin	(SOD Agent)
ACCURACY DOND		
ACCESS ROAD		LOCATION
Structure Culvert Pipe (12"MiN	(A)	Structure <u>Diversion Ditch</u> (1)
Spacing Ht Natural Drains		Material Farther
Page Ref. Manual		Page Ref. Manual
Structure	(B)	Structure (2)
Spacing		Material DECENTED
Page Ref. Manual		Page Ref. Manual
Structure Roadway Ditch	(C)	Structure JAN 5 - 1984
Spacing		Material DEPT of MINES
Page Ref. Manual		Page Ref. Manual
All structures should be inspected commercial timber is to be cut and scut and removed from the site before	tacked and	all brush and small timber to be
R	EVECEPATIO	N
Treatment Area I		Treatment Area II
Lime 3 Tons/acre	2	Lime 3 Tons/acre
or correct to pH 6.5		or correct to pH 6.5
Fertilizer 600 lbs/acre		Fertilizer 600 lbs/acre
(10-20-20 or equivalent) Mulch 2 Tops/acre		(10-20-20 or equivalent)
	2	Mulch 2 Tons/acre
		Seed* Ky-31 30 lbs/acre
Birdsfoot 10 lbs/acre Domestic Rye 10 lbs/acre		Birdsfoot 10 lbs/acre
		Domestic Rye 10 lbs/acre
*Inoculate all legumes such as vetch, Inoculate with 3X recommended amount.	trefoil o	and clovers with the proper bacterium.
	FIAN PRES	PARED BY Dannes O' Marganila
NOTES: Please restrict landsumary		1DDRESS P. O. Drawer 40, Buckhannon, WV 2620
seedling for one growing season.	•	2020
Attach separate sheets as necessary for comments.	5	NO. (704) 470 4610
2	5.50	ONE NO. (304) 472-4610



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 plan. Include all natural drainage.



Notary Public, Upshur

State of West Virginia

1) Date: December 23, ,1983 2) Operator's

2-1951

Well No. 3) API Well No. 47-083-086 State County Permit

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

	NOTICE OF APPLICATION FOR A	WELL WORK PERMIT
l) SU	URFACE OWNER(S) OF RECORD TO BE SERVED	5(i) COAL OPERATOR
(i)) Name Mildred Jones	Address
(-)	233 - 454 W 1 C4 4	E () CONT. CUMED (C) LITTLE DECEMBER ADMITTON ON DECOME
	Buckhannon, WV 26201	5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD Name Mildred Jones
(ii)	Name	Address 151 Wood Street
	Address	Buckhannon, WV 26201
		Name
(iii)	.) Name	Address
	Address	
	5	(iii) COAL LESSEE WITH DECLARATION ON RECORD:
		Name
•		Address
	TO THE PERSON(S) NAMED ABOVE: You should have rec	
	 The Application for a Well Work Permit on to be plugged, which sets out the parties 	Form IV-2(B) (or Form IV-4 if the Well is involved in the drilling or other work,
	and describes the well and its location a	und, if applicable, the proposed casing and
	cementing program; (2) The plat (surveyor's map) showing the wel	1 location on Form IV-6; and
	(3) The Construction and Reclamation Plan on plug a well), which sets out the plan for	Form IV-9)unless the well work is only to "
	plug a well), which sets out the plan for reclamation for the site and access road.	erosion and semilent condor and ror
	THE REASON YOU RECEIVED THESE DOCUMENTS IS TH	PAT YOU HAVE RIGHTS REGARDING THE APPLICATION
	WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWE	REVERSE SIDE OF THE COPY OF THE APPLICATION AVER. YOU ARE NOT REQUIRED TO TAKE ANY
	ACTION AT ALL.	
	Take notice that under Chapter 22 of the West erator proposes to file or has filed this Notice a for a Well Work Permit with the Administrator of t Department of Mines, with respect to a well at the and depicted on attached Form IV-6. Copies of thi Construction and Reclamation Plan have been mailed by hand to the person(s) named above (or by public	and Application and accompanying documents the Office of Oil and Gas, West Virginia a location described on attached Application is Notice, the Application, the plat, and the diby registered or certified mail or delivered ration in certain circumstances) on or
	before the day of mailing or delivery to the Admin	
	6) EXTRACTION RIGHTS	JAN 5 - 1984
	Check and provide one of the following:	ntinuing contract or contracts by which OIL & GAS DIVISION
	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	X The requirement of Code 22-4-1-(c)(1) through	gh (4). (See reverse side for specifies) PT. OF MINES
	7) ROYALTY PROVISIONS Is the right to extract, produce or market the or other contract or contracts providing for fl for compensation to the owner of the oil or gas to the volume of oil or gas so extracted, produ	in place which is not inherently related
	If the answer above is No, nothing addityou may use Affidavit Form IV-60.	itional is needed. If the answer is Yes,
	See the reverse side for line item instruction the required copies of the Notice and Appl Reclamation Plan.	tions, and for instructions concerning lication, plat, and Construction and
	he truth of the information on the	WELL Union Drillings Inc
Not	otice and Application is verified	OPERATOR Union Drilling, Inc.
and	nd sworn to and the Notice is	- I - H
sig	igned on behalf of the Well Operator	Tts Vice President of Production
	n my County and State by	100
	Joseph C. Pettey	Address Post Office Drawer 40 Buckhannon, WV 26201
th	his 23 day of December , 1983.	Buckhannon, WV 26201 Telephone 304-472-4610
	My commission expires March3, 1991.	TETEPHOLE 204 417 4010

INSTRUCTIONS TO APPLICANT

CONCERNING THE LINE ITEMS:

- 1) Date of Notice
- 2) Your well name
- 3) To be filled (
- 4) & 5) Use separate s
 - 4) Surface owner(
 see also Code

 co-owners of i
 in such lands"
 - 5(i) "Coal Operator corporation t

5(ii, iii) See Code § 22-

- 6) See Code § 22tinuing contrac provided below
- 7) See Code § § 22

CONCERNING THE REQUIRED

Filing. Code § 22-4 copies of the Notice panied by (i) a plat the forms prescribed by Code § 22-4-1k(d) 23, (iv) unless prev and 22-3-12a, and (v owner of any water w

Service. In addition with an interest in

IN LIEU

Under the oath : &

P 471 413 885

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL

(See Reverse)

Mildred Jones
Street and No.
151 Wood Street
P.O., State and ZIP Code
Buckhannon, WV 26201
Postage \$

Certified Fee

Special Delivery Fee

Restricted Delivery Fee

Return Receipt Showing
to whom and Date Delivered
Return Receipt Showing to whom,

Date, and Address of Delivery
TOTAL Postage and Fees

Postmark or Date

W

Application. However, in common or other is section hold interests

rtnership association or ne.

lease(s) or other conrmation in the space

original and required dministrator, accom(ii) a bond in one of other security allowed 2-4-12b and Regulation quired by Code § 22-4-1a(c) lode § 22-4-8a from the posed well.

ner(s) and the person(s) 22-4-2a, and 22-4-2b.

d)

NTRACT (S)

I depose and say that I am the person who signed the Notice for the Applicant, and that-

- (1) 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:

S

Grantee, lessee, etc.	Royalty	Deed D
Buckeye Petroleum Co	1/8	$\frac{\text{Book Page}}{327/101}$
Rexroad Land Services	170	7/79
Union Drilling, Inc.		7/74
Union Drilling, Inc.		345/607





1) Date:	per 23		, 19
2) Operator's Well No.	-1951		
3) API Well No.	47		
	State	County	Permit

OIL & GAS DIVISION

DEPT. OF MINES

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

4)	WELL T	YPE: A	Oil	, ,	Gae	7				
				, Producti				Letorage	/ Deep	
5)	LOCATI	ON: E	levation:	2745	100			Son Shimty	Deep	/ Shallow/)
				Middle			County:R	BANKS CONTRACTOR OF THE PARTY O	Quadrangle:	Pickens
6)		PERATOR	lhion	Drill fice D	inc	Inc	<u> Allender</u> Market	7) DESIGNAT	ED AGENT Josen	oh C. Vanzant, Jr.
	Addre			non. W		r 40	<u>nd ovan a</u> pot voje a	Address	Post Office	Drawer 40
8)	OII & G	AS INSPE				0201			Buckhannon.	WV 26201
٠,	Name	Phil)	in Te	BE NOT	IFIED				CONTRACTOR:	
	Addre			al Del	farar l	,			ion Drilling.	Inc.
				ore. W				Address	Post Office	
10)	PROPOS	ED WELL				_/ Dri	11 .		Buckhannon,	WV 26201
			WORK.				The state of the s	/ Redrill	/ Stimulate	X
				Other 1	physical	change	in well (specify)	ate new formatio	n/	
11)	GEOLOG	ICAL TAR	GET FOR	RMATION	i, Ber	son	in wen (specify)			
	12) Estim	ated depth	of comple	ted well,	1	000	feet			
	13) Appro	oximate tra	ta depths:	Fresh, _		9		. 9		
	14) Appro	oximate coa	al seam der	oths:		9		al being mined in th	feet.	
15)	CASING A	AND TUBI	ING PRO	GRAM				ar being mined in ti	ie area? Yes	/ No/
	ING OR ING TYPE		SPEC	CIFICATION	S		FOOTAGE I	NTERVALS	II CEMENT THE	
		Size	Grade	Weight per ft.	New	Used	For drilling		OR SACKS	PACKERS
Condu	ictor	11-3/		32		X	301	Left in well	(Cubic feet)	
Fresh	water							2617		Kinds
Coal										
Interm		8-5/8		23		X	10001	10001	209 sacks	Sizes
Produc		4-1/2	J	10.5	X		40001	4000'	836 sacks	
Tubing									DOV BALAD	Depths set
Liners		• **								Prof. of State of Sta
,										Perforations:
		A 50 a 2 1								Top Bottom
1										920 14-11-100 ponton
Name of										
		on a facsim	nile of this	surface o	vol	copy of t	the Application. Y STATEMENT OF	NO OBJECTION	be issued in less than 1 intary Statement of No	Objection"
A A OII	in i v -u, all	u (4) a Cor	Struction	and Dagla		DI		I I THE TOTAL TOTAL	CII WOLK FEITHII ON FO	rmit, and that I have received orm IV-2(B), (3) a survey plat as described therein. t being issued based on those
or exe	ecution by	corporation	n, partners	ship, etc.)			(For	continu		
AME:							(FOF ex	ecution by natural	persons)	
	Ву							Maria Sin	gnature)	Date: 1/9/84
	Its				Date			O.	0 10	
	teng	1		2	Date			The Son (Sig	gnature)	Date:

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.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

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, West Virginia 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 delivered 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. 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 must 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
- (1) The proposed with the state of the state
- "(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.

List of Water Testing Laboratories. 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.

IV-35 (Rev 8-81)





State of Mest Wirginia

Department of Mines Gil and Gas Division

Date	July	24,	1984
Operator	's	174	
Well No.	2	- 19	51
Farm	Mildre	d Jo	nes #2
API No. 4	7 - 0	83	- 0866

OIL & GAS DIVISION
DEPT. OF MINES

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas x / Liquid Injection (If "Gas," Production / Undergrou	/ Wast	e Disposal e/ Deep	L/ D/ Sha	llow_x_/)
LOCATION: Elevation: 2745' Watershed Sh	nanty Run			
District: Middle Fork County Rando			Pickens	5
COMPANY UNION DRILLING, INC.				Cement
ADDRESS p.O.Drawer 40, Buckhannon, WV 26201	Casing	Used in	Left	fill up
DESIGNATED AGENT Joseph C.Vanzant, Jr.	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P.O.Drawer 40, Buckhannon, WV 26201	Size			
SURFACE OWNER Mildred Jones	20-16 Cond.			
ADDRESS 151 Wood Street, Buckhannon, WV 26201	13-10"	20'	pulled	
MINERAL RIGHTS OWNER Same	9 5/8			
ADDRESS	8 5/8	1098 75'	1098.75'	275 cf
OIL AND GAS INSPECTOR FOR THIS WORK	7			
Phil Tracy ADDRESS Gen.Del.Ellamore,WV 26267	5 1/2			
PERMIT ISSUED 1/23/84	4 1/2		4324.25'	742 cf
DRILLING COMMENCED 2/22/84	3			
DRILLING COMPLETED 2/27/84	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Benson		Dep	th 4	ooo' feet
Depth of completed well 4383' feet I				
Water strata depth: Fresh 279' feet;	Salt	feet	:	
Coal seam depths: 30/34',136/141,325/328	Is coal	being min	ed in the	area?no
905/908'				
OPEN FLOW DATA	Des	. sono dor	+h 4240	' feet
Producing formation Injun, Riley, Benson	Pay	y zone der	flow	Bb1/d
Gas: Initial open flow 119 Mcf/d	OII: III	nal open	i iiow	Bb1/d
Final open flow 731 Mcf/d	rı -1 and f	inal tosts	2 h	DDI/ a
Time of open flow between init				
Static rock pressure 325# psig(surfac		ment) ard		HS Shac II.
(If applicable due to multiple completion)	sono do	o+h 08/	25/2028et
Second producing formation	Pa	y zone de	o flor	Bb1 /d
Gas: Initial open flowMcf/d	011: 11:	nel open	fl~:	
Final open flow Mcf/d				
Time of open flow between init				
Static rock pressurepsig(surface	e measurem			everse side)

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

Dowell - 3 stage Foam Frac - 7/10/84

1908/1912 - Injun - 45,000# sand, 193 Bbls water and 392,000 scf nitrogen

3860/4059 - 1st & 2nd Riley - 45,000# sand, 199 Bbls water and 398,000 scf nitrogen

4236/4240 - Benson - 45,000# sand, 199 Bbls water and 462,000 scf nitrogen

WELL LOG

FORMATION	COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
	Sand & Shale	0	30	
	Coal	30	34	
	Sand & Shale	34	136	Hole wet @279'
	Coal	136	141	note wet 62/9
	Sand & Shale	141	325	
	Coal	325	328	
	Sans & Shale	328	905	
	Coal	905	908	A
	Sand & Shale	908	1682	
	Big Lime	1682	1810	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Injun	1812	1928	
	5th Sand	2336	2411	
	Bayard	2411	2452	
	lst Riley	3828	3912	
	2nd Riley	3956	4074	
	Benson	4224	4242	
			4383	T.D. 8/10ths thru 2" = 119 mcf
				2 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
		14		
			2 1-22-1	

(Attach separate sheets as necessary)

7/24/84

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 coal, encountered in the drilling of a well."



State of West Virginia

Department of Mines Gil and Gas Division

Charleston 25305

FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT July 31, 1984

	July	31, 1984				44 041	
COMPANY	Union Drilling, Inc.		PERMIT NO	0	83-0866	(1-84)	
P. 0	. Drawer 40		FARM & WE	ELL NO	Mild	red Jones	#2-1951
Buck	hannon, West Virginia 26201		DIST. & C	COUNTY	Middle	Fork/Ran	dolph
					COMPLIA	NCE	
RULE	DESCRIPTION			YES	3	NO	
23.06 25.04 25.03 16.01 15.03 15.02 15.01 15.04	Notification Prior to Starti Prepared before Drilling to High-Pressure Drilling Required Permits at Wellsite Adequate Fresh Water Casing Adequate Coal Casing Adequate Production Casing Adequate Cement Strenght	Prevent Was	ste				
15.05	Cement Type						
23.02	Maintained Access Roads			-			_
25.01	Necessary Equipment to Preve	nt Waste					_
23.04	Reclaimed Drilling Pits	ne wasee					_
23.05	No Surface or Underground Po	llution					_
23.07	Requirements for Production		Pineline	-			_
16.01	Well Records on Site	a oathering	Tipeline				
16.02	Well Records Filed						
7.05	Identification Markings			-			_
7.03	Identification harkings						_
I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:							
			SIGNED _	hil	ly)	hory	_
			DATE	(8/10/	84	
with Chap	l record was received and record record 22, Article 4, Section 2 for the life of the well.	lamation re , the above	quirement well wil	s appr 1 rema	oved. I	n accorda	ance
			Administr	ator-0	il & Ga	s Divisio	
	TMC / che					F 100/	
	TMS/chm					5, 1984	
				DATE			

