	1)	Date:	Octo	bei	6		, 19	83
	2)	Operator's Well No.	y grood i	2-	1927			
	3)	API Well No.	47	-	083	_	0831	
			State		Co	unt	у	Permit

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

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5) LOCATIO	N: Ele	vation:	2820						ork of Buckhannon Ri
		strict: M					ndo1ph		
) WELL OP					Inc.				oh C. Vanzant, Jr.
Address	P. 1	O. Drai	wer 40)				. O. Drawer	
	Buc	khannoi	n, WV	26	201		В	uckhannon,	WV 26201
OIL & GA	S INSPEC	TOR TO F	BE NOTI	FIED			9) DRILLING COM	NTRACTOR:	
Name P	hil Tr	acy					Name Unio	n Drilling	Inc.
Address	Gen	eral De		-				P. O. Drawe	
	E11:	amore,	WV	2626	7			Buckhannon	, WV 26201
PROPOSE	D WELL	WORK:	Drill	X	/ Drill	deeper	/ Redrill	/ Stimulate	Χ ,
T KOT OSE	D LLL	. Okta		f old f			ate new formation_	()	PREBURA
								10/6	E SEUV FIII
GEOLOGI	CAL TAD	CET FOR				wen (speeny)		No.	911
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13) Appro					?		?	feet.	OCT - 7 1983
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14) Appro							at being inflied in the a	rear res	
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		47-083-	-0831				The Killer Street	Oc	ctober 28, 19 83
nit number_	•							D	ate lim aftr to nous (gmo)
mit number_	•								u.c
			r and wel	l locatio	on shown	below is evidence	of permission granted		ance with the pertinent legal re-
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See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

3) APT Well No.



PILE COPY

STATE OF WEST VIRGINIA

OFFICE USE ONLY

Shallow A	_/ Deep	98810	/ Underground st		Same D	Production			
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DIE & GAS DIVISION)							HEUT GM	
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		OFFI	CE USE ONLY	7					Spire Spire
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is part of Form IV-2(t	o) is to record th	e dates of certa	in occurrences	and any	follow	-up insp	ections		
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Reason.				THE PERSON NAMED IN COLUMN					
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See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

IV-9 (Rev 8-81)





State of Mest Airginia

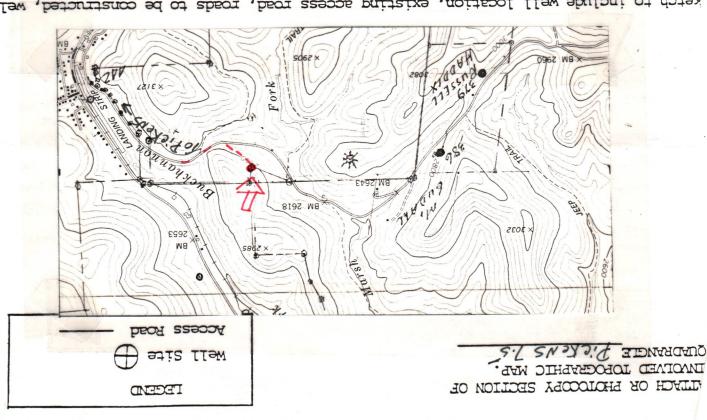
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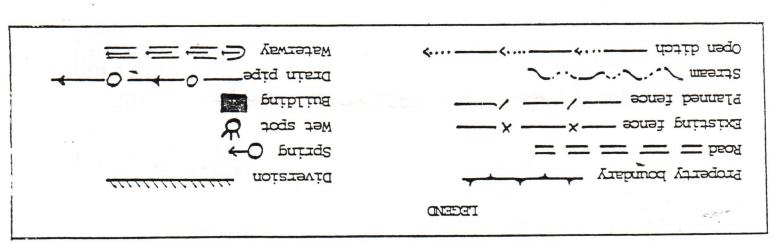
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WELL NO.	1927	
API NO	47 -Randolph	0831
	083	

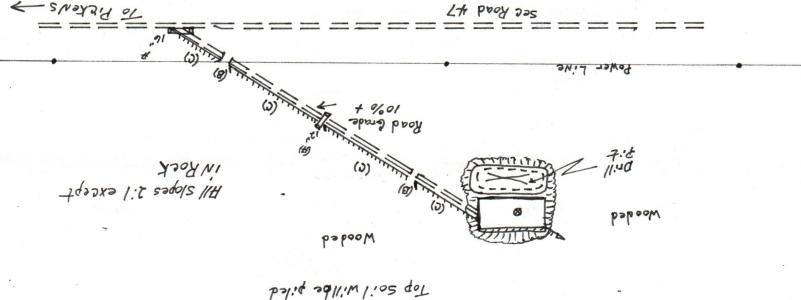
CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Union Drilling, Inc. Address P. O. Drawer 40, Buckhannon, W Telephone 472-4610 LANDOWNER J.F. Company Revegetation to be carried out by Union Drilling, Inc. This plan has been reviewed by Union Drilling, Inc. This plan has been reviewed by Jugurt Valley Sch. All corrections and additions become a part of this plan: ACCESS ROAD ACCESS ROAD Structure Culvert Pipe 12' Min) Page Ref. Manual Page Ref. Manual Structure Crass Drains (B) Structure Capture Crass Drains Page Ref. Manual
Revergetation to be carried out by Union Drilling, Inc. (Agent) This plan has been reviewed by Tygarls Caller SCD. All corrections and additions become a part of this plan: Date (SCD Agent) ACCESS ROAD ACCESS ROAD ACCESS ROAD Structure Culvert Pige 112' Min) Spacing Ht Natural Drains Page Ref. Manual Page Ref. Manual Page Ref. Manual
This plan has been reviewed by
This plan has been reviewed by
This plan has been reviewed by Jugarts Valley SCD. All corrections and additions become a part of this plan: (Date) (Date)
ACCESS ROAD Structure Culvert Pipe (12' Min) Spacing Ht Natural Drains Page Ref. Manual Page Ref. Manual Structure Culvert Pipe (12' Min) Page Ref. Manual
ACCESS ROAD Structure Culvert Pipe (12' Min) (A) Structure Diversion Ditch (1) Spacing Ht Natural Drains Page Ref. Manual Page Ref. Manual
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STRUCTURE CONTRACTOR OF THE CO
STRIPPING COLOR DE LA COLOR DE
Structure Cross Drains (B) Structure (2)
Spacing 250' + - Material 7 1093
Page Ref. Manual Page Ref. Manual
Structure Roadury Ditch (C) Structure OFFT OF MINES (3)
Spacing Material
Page Ref. Manual Page Ref. Manual
All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.
REVECETATION
Treatment Area I
Lime 3 Tons/acre 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)
Seed* Ky-31 70.3h-/
Pinds foot
Domestic Pro 10 15-/
*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.
Industrie with the recommended amount.
FLAN PREPARED BY Wanny O'Morgan
acoperation to protect new seedling for one growing season. ADDRESS P. O. Drawer 40, Buckhannon, WV 2620
Attach separate sheets as necessary for comments. FHONE NO. (304) 472-4610



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





1) Date: October 6 ,19 83

2) Operator's

Well No. 2-1927 3) API Well No. 47 - 083 - 083/

State County Permit

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

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 Reclamation Plan. The truth of the information on the Notice and Application is verified OPERATOR Union Drilling, Inc. and sworn to and the Notice is signed on behalf of the Well Operator By Seed C Fellow		NOTICE OF APPLICATION FOR	R A WELL WORK PERMIT
Address C/O James H. Brewster, Jr. Post Office Box 590, Weston, W (ii) Name 26452-0590 Address Address			
Address C/O James H. Brewster, Jr. Post Office Box 590, Weston, WV Address 26452-0590 Address 1111 Name Address 5(111) COAL MARER(S) WITH DECLARATION ON PECCED. Name SEE ATTACHMENT Address 1111 Name Address 5(111) COAL LESSEE WITH DECLARATION ON RECOFD: Name Boden Coal Company Address 215 Central Avenue Newark, NJ 07105 TO THE PERSONS NAME ABURE: You should have received this Form and use following documents: (1) The Application for a Well Work Fermit on Form 1918 for Form 19-14 if the well is to be pluyeded, which sets out the parties involved in the fitting of the well is and describes the well and its location and, if applicable, the proposed casing and community programs (2) The Application of the well and the location and and the fitting of the well as to be pluyeded which sets out the parties involved in the fitting of the well is to be pluyeded which sets out the parties involved in the fitting of the well is community programs. (3) The Construction and Beclamation Plan to Form 19-16 year of the proposed casing and community programs. (3) The Construction and Beclamation Plan to Form 19-16 year of the plus of the set only to plug as well, which sets out the plan for excession and sediment control and for reclamation for the site and accords road. THE RESON NO RECEIVED THESS DOCUMENTS IS THAN YOU HAVE RECORDS PREADONN THE APPLICATION MACHINE AND AREA AND RECORDS FOR THE RESPONDENCE THE APPLICATION MACHINE AND AREA	(i) Name J 8	F Company	Address
Post Office Box 590, Weston, W			
Address Name Address Name Address Name Address	Pos	st Office Box 590, Weston, WV	5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD: Name SEE ATTACHMENT
Name Address Name Address Address Address Address		20452-0590	Address
Address Solition COAL LESSEE WITH DECLARATION ON RECORD: Name Boden Coal Company Address 215 Central Avenue Newark, NJ 07103 TO THE PERSON(S) NNED ABOVE: You should have received this form and the following documents: (1) The Application for a well work fermine on form NV-(B) (or Form IV-) if the well is to be plugged which sets out the pure of som NV-(B) (or Form IV-) if the well is and describes the well and its location and, if applicable, the proposed casing and describes the well and its location and form IV-9 (and for proposed casing and describes the well and its location and form IV-9 (and and for proposed casing and describes the well and recommended to the proposed casing and companying and for proposed to the proposed casing and companying and for proposed to the proposed casing and selection on form IV-9 (b) (or Form IV-) (B) or Form IV-9 (B) or Form IV-1 (B) or Form IV-9 (B	Address_		
Address Solition COAL LESSEE WITH DECLARATION ON RECORD: Name Boden Coal Company Address 215 Central Avenue Newark, NJ 07103 TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents: (1) The Application for a well work Fermit on form N-2 (8) for Form IV-1 if the well is to be plugged, which sets out the pure on form N-2 (8) for Form IV-1 if the well is and describes the well and its location and, if applicable, the proposed casing and describes the well and its location and form IV-9 (1) unless the level work is only to preclamation for the site and access road			Name
Address 5(iii) COAL LESSEE WITH DECLARATION ON RECORD: Name Boden Coal Company Address 215 Central Avenue Newark, NJ 07105 TO THE PERSON(S) NAMED ABOVE: You should have received this form and the following comments: (1) The Application for a Well Work Permit on Form NV-2(B) (or Form IV-4) if the well is to be plumped, which sets out the parties involved in the drilling or other work, commenting program (2) The plate (surveyor's map) showing the well location on Form IV-4; if the well is commenting program (3) The Construction and Reclamation Plan on Form IV-9 in lunes she well work is only to plung a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road. RECORD ASSOCIATION IN THE THIS PROGRAM TO THE RECORD SEDAROTIC MAPPLICATION (NOTE AND ASSOCIATION IN THE THIS PROGRAM ASSOCIATION IN THE PR			
Name Boden Coal Company Address 215 Central Avenue Newark, NU 07103 TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents: (1) The Application for a Well Work Permit on Form TV-2(B) (or Form TV-4 if the well is to be plusged, 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 (2) The plat (surveyor's map) showing the well location on Form TV-5 and on the plus of the purposed casing and (3) The Construction and Reclamation Plan on Form TV-9) unless the well work is only oplug a well, which sets out the plan for resoin and sediment control and for reclamation for the site and access road. THE PERSON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS RECARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REMEMS SIDE OF THE COPY OF THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REMEMS SIDE OF THE COPY OF THE APPLICATION RULL. Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Stocice and Application and accompanying documents for a Well Month Fearth with the Administrator of the Office of Oil and das, West Virginia and depicted on attrached Form TV-6. Copies of this Stocice of Application, the plant and the Construction and Application attached Form TV-6. Copies of this Stocice, the Application, the plant and the Construction and Application of contracts by which the form of the Application of the Person(s) named above for by publication in certain circumstances) on or before the day of an alling or delivery to the Administrator of contracts by which the provide one of the following: The tript to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts a providing for flat well royalty or any similar provision of the required opties of the Notice and Application, plat, and Construction and Seclamation Plan. The	Address		Address
Name Boden Coal Company Address 215 Central Avenue Newark, NU 07103 TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents: (1) The Application for a Well Work Permit on Form TV-2(B) (or Form TV-4 if the well is to be plusged, 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 (2) The plat (surveyor's map) showing the well location on Form TV-5 and on the plus of the purposed casing and (3) The Construction and Reclamation Plan on Form TV-9) unless the well work is only oplug a well, which sets out the plan for resoin and sediment control and for reclamation for the site and access road. THE PERSON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS RECARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REMEMS SIDE OF THE COPY OF THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REMEMS SIDE OF THE COPY OF THE APPLICATION RULL. Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Stocice and Application and accompanying documents for a Well Month Fearth with the Administrator of the Office of Oil and das, West Virginia and depicted on attrached Form TV-6. Copies of this Stocice of Application, the plant and the Construction and Application attached Form TV-6. Copies of this Stocice, the Application, the plant and the Construction and Application of contracts by which the form of the Application of the Person(s) named above for by publication in certain circumstances) on or before the day of an alling or delivery to the Administrator of contracts by which the provide one of the following: The tript to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts a providing for flat well royalty or any similar provision of the required opties of the Notice and Application, plat, and Construction and Seclamation Plan. The			5(iii) COM LEGGER MENT DECEMBRANCE ON DECEMBRANCE
TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents: (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-1 if the well is to be pluyged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the previous casing and (2) The plats (surveyor's map) showing the well location on Form IV-9 in the set and socas no Form IV-1 in the well is to be pluyged, which sets out the plan for erosion and sediment control and for reclamation from the site and access road. THE PERSON YOU RECEIVED THESE DOCUMENTS IS THEN YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SIMPARIZED IN THE 'INSTRUCTIONS' OR THE REFERENCE SIDE OF THE COPY THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HAWVER, YOU HAVE RIGHTS REGARDING THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HAWVER, YOU HAVE RIGHTS REGARDING THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HAWVER, YOU HAVE RIGHTS REGARDING THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HAWVER, YOU HAVE RIGHTS REGARDING THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HAWVER, YOU HAVE RIGHTS REGARDING THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HAWVER, YOU HAVE NOT REQUIRED TO TAKE ANY (FORM IV-2(B) OR FORM 4, DESIGNATION FOR YOU HAVE RECEIVED TO TAKE ANY (FORM IV-2(B) OR FORM 4, DESIGNATION FOR YOU HAVE A PROVIDED TO THE APPLICATION (FORM IV-2(B) OR FORM IV-2(B)			
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in my County and State by Its Vice President of Production Address Post Office Drawer 40	in my County Josep	and State by h C. Pettey	Its Vice President of Production
this Othday of October , 1983. Buckhannon, WV 26201			

My commission expires 10/19, 1987.

Notary Public, upshur County,

State of West Ungnia

Telephone 304-472-4610

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 § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-lm, 22-4-2, 22-4-2a, and 22-4-2b.

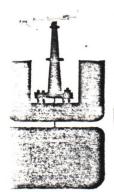
INFORMATION SUPPLIED UNDER CODE § 22-4-11(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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—

- (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:

Grantor, lessor, etc. Grantee, lessee, etc. Royalty Book Page 335/464, 470, 288, 290, 460, 462, 506, 508





UNION DRILLING, INC. Drawer 40 Buckhannon, WV 26201

DRILLING CONTRACTORS PRODUCERS OF OIL AND GAS

SUPPLEMENT TO OIL AND GAS WELL PERMIT APPLICATION - FORM IV-2 (A)

DATE:	October 6, 1983
Operat Well N	or's Jo. <u>2-1927</u>
API We	11 No.

COAL, OIL AND GAS OWNERS ARE THE SAME:

Mr. & Mrs. Allan Warren 246 First Street Weston, West Virginia 26452

Mr. & Mrs. Walter H. Warren. Jr. 1030 Ponderosa Drive Culloden, West Virginia 25510

Mr. & Mrs. Irving J. Bradley 402 West Timonium Street Lutherville, Maryland 21093

Mr. & Mrs. Andrew F. Sleigh 570 Locust Street Weston, WV 26452

Mr. & Mrs. John W. Orr 464 Main Avenue Weston, WV 26452

Mr. & Mrs. Warren G. Bodkin, Jr. 2617 Glendale Avenue South Charleston, WV 25303

Mr. & Mrs. Elgin K. Van Meter 1660 Pinetree Drive Pittsburgh, PA 15241



OIL & GAS DIVISION DEPT. OF MINES

P 311 719 246

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL (See Reverse)

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RECEIPT FOR CERTIFIED MAIL

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RECEIPT FOR CERTIFIED MAIL

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P 3H 719 251

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL (See Reverse)

1	SEN Ir.	NT TO	D N	frs. Walter H	. Warren					
1	STREET AND NO. 030 Ponderosa Drive									
	P.O., STATE AND ZIP CODE Culloden, WV 25510									
	POSTAGE \$ 3/									
		CE	RTIF	IED FEE	750					
	EES		SP	ECIAL DELIVERY	¢					
	JR F		RE	STRICTED DELIVERY	¢					
	STER FO	/ICES	SERVICE	SHOW TO WHOM AND DATE DELIVERED	b0 °					
	CONSULT POSTMASTER FOR FEES	IAL SERV	OPTIONAL SERV RETURN RECEIPT SER	SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢					
	NSULT	OPTION		SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢					
9/	CC		RETU	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢					
. 19	TO	TAL	POS	TAGE AND FEES	\$ 172					
Apr	POSTMARK OR DATE CT									
S Form 3800, Apr. 1976	9 .		NAME OF STREET	1983						
S Forn										

P 311 719 253

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL (See Reverse)

SENT TO	Mrs I. J.	Bradley									
Mr. and Mrs. I. J. Bradley STREET AND NO. 402 West Timonium Street											
P.O., STATE AL	Lutherville, MD 21093										
POSTAGE	\$34										
CERTIFI		75									
SPE	CIAL DELIVERY STRICTED DELIVERY	¢									
CES ICE	SHOW TO WHOM AND DATE DELIVERED	60									
CONSULT POSTMASTER FOR FEES OPTIONAL SERVICES TURN RECEIPT SERVICE	SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢									
CONSULT POST OPTIONAL S RETURN RECEIPT	SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTI DELIVERY										
1 2	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WIT RESTRICTED DELIVERY	H C									
TOTAL PO POSTMAR	TOTAL POSTAGE AND REES S										
POSTMAR	POSTMARK OR DATE										
300,	60										
m 38	1800	1									

P 3H 719 247

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL (See Reverse)

	Andrew F. Sleigh						
	5	7()]	Locust Street			
P	Weston, WV 26452						
P	OS	TA	GE	\$ 3			
		CE	RTIE	FIED FEE	500		
FFS			SF	PECIAL DELIVERY	, ¢		
18		OPTIONAL SERVICES	RE	STRICTED DELIVERY	¢		
ASTER F	040		RVICE	SHOW TO WHOM AND DATE DELIVERED	600		
CONSULT POSTMASTER FOR FEES	141		VAL SEH	RETURN RECEIPT SERVICE	SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢	
	Orang		JRN REC	SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢		
					RETU	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	c
TOTAL POSTAGE AND FEES S 172							
POSTMARK OR DATE							
				1983	1		
					X		
				MA	3		
					2		

IV-35 (Rev 8-81)

tate of Mest Nirginia JAN 1 9 1984

Department of Mines Bil and Cas Bivision

Date December 23,1983 Operator's Well No. 2-1927 Warken Heirs #2 API No. 47 - 083 0831

OIL & GAS DIVISION DEPT. OF MINES

OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 2820 Watershed Ma	rsh Fork	into Right	Fork of B	uckhannon F
District: Middle Fork County Rando				
OMPANY Union Drilling, Inc			,	
ADDRESS P.O.Drawer 40 Buckhannon, WV 26201	Casing	Used in	Left	Cement 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 J.& F. Company	20-16 Cond.			
ADDRESS c/o James Brewster, Jr. 26 Main Weston, WV 26452	13-10"		pulled	
MINERAL RIGHTS OWNER See Attached WV 26452	9 5/8		1	
ADDRESS Page	8 5/8	956.45		235 Cf.
OIL AND GAS INSPECTOR FOR THIS WORK	7			
Phil Tracy ADDRESS Gen. Del. Ellamore 26267	5 1/2			
PERMIT ISSUED 10/28/83	4 1/2	4100.75	jan e	554 cf
DRILLING COMMENCED 11/19/83	3			
DRILLING COMPLETED 11/24/83	2			
IF APPLICABLE: PLUCGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Benson		Dep	th 4200	feet
	Rotary X	/ Cabl	e Tools	
Water strata depth: Fresh none feet;	Salt	feet		
Coal seam depths: none				area? no
OPEN FLOW DATA	5.1 G Da	v zone den	th 307	7. feet
Producing formation Benson, Riley, Bayard Gas: Initial open flow show Mcf/d	Oil. In	itial open	flow	Bb1/d
Final open flow 582 Mcf/d	Fi	nal open f	low.	Bb1/d
Time of open flow between init				
Static rock pressure 550 psig(surface				
(If applicable due to multiple completion				
the same of the sa		v zone der	oth	feet
Second producing formation Gas: Initial open flow Mcf/d	Oil: Tr	itial oper	flow	Bb1/d
Final open flow Mcf/d				
Time of open flow between init				
This of open from perween that	Lui um I			

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

Dowell Frac - 12/12/83 - Water & Foam

2317/2429 5th Sand, Bayard 240 Bbls. water, 354,000 scf Nitrogen, and 60,000# sand 3694/3777 Riley, 240 Bbls. water, 426,000 scf Nitrogen, and 60,000# sand 3970/3977 Benson, 240 Bbls. water, 738,000 scf Nitrogen, and 60,000# sand

DEPT. OF MINES

WEIL LOG

			REMARKS				
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fres and salt water, coal, oil and ga				
Sand & Shale	0	1515					
Blue Monday	1515	1568					
Big Lime	1568	1672	the state of the s				
Injun	1682	1834					
Squaw	1855	1861					
5th Sand	2309	2358					
Bayard	2426	2432					
Lower Bayard	2453	2486					
Elizabeth	2546	2570					
Bradford	3381	3406	The state of the s				
Riley	3692	3737					
Benson	3965	3980					
Marie and the second of the se		The state of the s	T.D. gas show at T.D.				
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(Attach separate sheets as necessary)

Union Drilling, Inc.

Well Operator

Date: Joseph C. Pettey, Vice President of Production

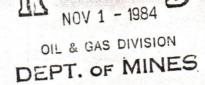
01-16-84

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 coul, 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

COMPANY	Union Drilling, Inc.	PERMIT NO		083-0831			
P. (Drawer 40	FARM & WELL N	01	J & F	Co.,	#2-1927	
Buck	channon, West Virginia 26201	DIST. & COUNT	Y	Middle	For	k/Randolph	
RULE	DESCRIPTION		N ES	COMPLIA		10	
23.06 25.04 25.03 16.01 15.03 15.02 15.01 15.05 23.02 25.01 23.04 23.05 23.07 16.01 16.02 7.05	Notification Prior to Starting Work Prepared before Drilling to Prevent W High-Pressure Drilling Required Permits at Wellsite Adequate Fresh Water Casing Adequate Coal Casing Adequate Production Casing Adequate Cement Strenght Cement Type Maintained Access Roads Necessary Equipment to Prevent Waste Reclaimed Drilling Pits No Surface or Underground Pollution Requirements for Production & Gatheric Well Records on Site Well Records Filed Identification Markings	aste	ES				
I HAVE I	INSPECTED THE ABOVE CAPTIONED WELL AND I	RECOMMEND THAT I	T	BE REL	EASE	D:	
		SIGNED PA	0	Mp.	lsoc	4	
		DATE	_	30 -	84	.t	
with cha	1 record was received and reclamation apter 22, Article 4, Section 2, the above for the life of the well.	requirements appre well will rem Administrator-	nai	in unde	r boi	6	
TMS/nw		January	1	0, 1985		2	

DATE

