**FILE COPY** 

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



1)	Date: Nove	ember 9	, 1983
	Operator's Well No.	1-1960	PORKI PV-2(B)
3)	API Well No.	47 - 053 -	0313

County

Permit

State

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

13) Approximate trata depths: Fresh, ? feet; salt, ? feet.  14) Approximate coal seam depths: ? Is coal being mined in the area? Yes OH No GASY D  15) CASING AND TUBING PROGRAM  CASING OR SPECIFICATIONS Weight Packers  Size Grade Per ft. New Used For drillling Left in well (Cubic feet)  Conductor 11-3/4 32 X 30' 30' 30' Kinds  Fresh water Coal  Intermediate 8-5/8 23 X 1000' 1000' 286 sacks  Production 4-1/2 J-55 10.5 X 3500' 3500' 1013 sacks  Tubing Liners  OFFICE USE ONLY	5) I			If "Gas", I				/ Underground	storage	/ Deep	_/ Shallow X
WELL OPERATOR Union   DRilling   Inc.   Address   Post Office   Drawer 40   Buckhannon,   W   26201	-, -	OCATION								eek	
Address Post Office Drawer 40 Buckhannon, W 26201  8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Jerry Tephabock Address Route 1, Box 101-A Ripley, W 25271  10) PROPOSED WELL WORK: Drill X Drill Other physical change in well (specify)  11) GEOLOGICAL TARGET FORMATION, Devonian Shale 12) Estimated depth of completed well, 35000 feet 13) Approximate trata depths: Fresh, 2 feet; salt, 2 feet. 14) Approximate coal seam depths: 2 Is coal being mined in the area? Yes OM Right Grade Por R. Specifications TUBING TYPE Size Grade Por R. New Used Sizes For drilling Left in well Cable feet)  Conductor 11-3/4 32 X 1000' 1000' 286 sacks  Production 4-1/2 J-55 10.5 X 3500' 3500' 1013 sacks  OFFICE USE ONLY							<del>-</del>	_ County:		Quadrangle:	Apple Grove
Buckhannon, WV 26201  8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Jerry Tephabock Address Route 1, Box 101-A Ripley, WV 25271  10) PROPOSED WELL WORK: Drill X / Drill deeper Perforate new formation Other physical change in well (specify)  11) GEOLOGICAL TARGET FORMATION, Devonian Shale 12) Estimated depth of completed well, 3500 feet 13 Approximate trata depths: Fresh, 2 feet; salt, 2 feet. 14) Approximate coal seam depths: Presh, 2 feet; salt, 2 feet. 15) CASING AND TUBING PROGRAM  CASING OR TUBING PROGRAM  Conductor 11-3/4 32 X 30' 30' 30' CEMENT FILLUP OR SACKS (Cubic feet)  Conductor 11-3/4 32 X 1000' 1000' 286 sacks  Production 4-1/2 J-55 10.5 X 3500' 3500' 1013 sacks  OFFICE USE ONLY	6) V	WELL OPE									
8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Jerry Tephabock Address Route 1, Box 101-A Ripley, WV 25271  10) PROPOSED WELL WORK: Drill X   Drill deeper   Redrill   Stimulate X   Plug off old formation   Perforate new formation   Other physical change in well (specify)  11) GEOLOGICAL TARGET FORMATION, Devonian Shale 12) Estimated depth of completed well, 3500   feet   fee		Address							Address		
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Address Route 1, Box 101-A Ripley, WV 25271    Redrill						FIED					
Ripley, WV 25271    Buckhannon, WV 26201	N	Name Je:				Fruit I			Name Uni		
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11) GEOLOGICAL TARGET FORMATION, Devonian Shale  12) Estimated depth of completed well, 13) Approximate trata depths: Fresh, 14) Approximate coal seam depths: 2					Plug of	f old	formation	/ Perfo	rate new formation	1/	DECENT
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Date linb sett to notice	Crimic	number							1962 7		
ermit number 47-053-0313 November 28, 1	ermit	number	2	47-053-	-0313	Hou(e					ovember 28, 1

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

Administrator, Office of Oil and Gas



		OFFI	CE USE ONLY	PILICAT	A	3.			
PERMIT MO	DIFICATIONS	AND CONDIT	IONS (IF ANY						RKI JUSW U
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Perforations		OFFIC	CE USE ONLY	12 35 1					geir 815
his part of Form IV-2(t	a) is to record the	a dates of certain	n occurrences o	nd any f	Collow	un inc	nactions		
ms part of Form 1v-2(t	o) is to record the	e dates of certain	ii occurrences a	iiu aiiy i	Ollow	-up ms	pections		
		Date						Date	e(s)
application received		37 1344	Follow-up	p inspect	ion(s)				
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THED INCORPORTIONS									
THER INSPECTIONS									
THER INSPECTIONS  Reason:					Cash		9-19	Agent	ida tan

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

IV-9 (Rev 8-81)



DATE November 1, 1983

WELL NO. 1-1960

State of Mest Airginin

API NO. 47 -053 -03/3

Bepartment of Mines Bil und Gas Division

## CONSTRUCTION AND RECLAMATION PLAN

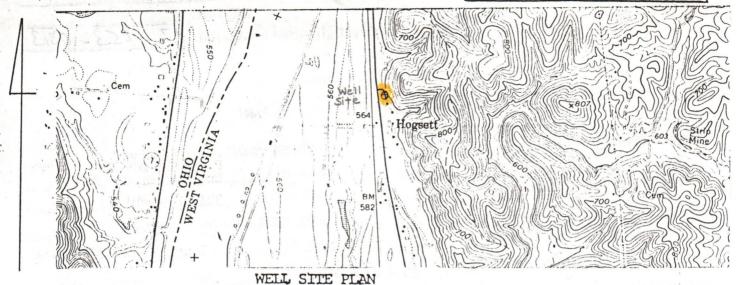
COMPANY NAME Union Drilling Inc.		DESIGNATED AGENT	Joseph Vangant
Address Buckhannon, WV 26201		Address	P. U. Drawer 40
Telephone 304/472-4610		Telephone	Buckhannon, WV 26201 304/472-4610
LANDOWNER W. H. Woods		SOTT MAR AT	7,412,4010
Revegetation to be carried out by	Union Dri	lling Inc	
m-i 1			
and additions become a part of this pl	an: no	v.7,1983	_SCD. All corrections
	L	n - V	Burn
ACCESS ROAD		ı	CATION ECETIVE
Structure 12" CMP culvert & stone	(A)	Structure Dril	1 Pit
Spacing Ditch line at Rt 2		Material Eart	NOV 1 0 1983
Page Ref. Manual 2:7 2:8		Page Ref. Manua	OIL & GAS DIVISION  DEPT. OF MINE
Structure	(B)	Stranda D.	. \
Spacing	(2)	Structure Dive:	
Page Ref. Manual		Material Earth	
		Page Ref. Manua	1 2:12 2:13
Structure	(C)	Structure	(3)
Spacing		Material	
Page Ref. Manual		Page Ref. Manual	
All structures should be inspected commercial timber is to be cut and st cut and removed from the site before	regularly acked and dirt work	and repaired if all brush and sm begins.	necessary. All mall timber to be
	•		
RE	VEGETATION	1	
Treatment Area I	, i	Treatm	ent Area II
Lime 3 Tons/acre		Lime	
or correct to pH 6.5  Fertilizer 600 15-4-		or correct to	pH 6.5
(10-20-20 or equivalent)		Fertilizer	600 lbs/acre
Mulch Hay or straw 2 Tons/acre			-20 or equivalent)
Seed* Orchard Grass 30 lbs/acre		Mulch Hay or str	
Red Clover 4 lbs/acre	* *	Seed* Orchard Gr	
Ladino Clover 2 lbs/acre		Red Clover	7,000
*Inoculate all legumes such as vatch, Inoculate with 3X recommended amount.	trefoil a	Ladino Clo  id clovers with t	the proper bacterium
MODES: Please request landounage		PED BY C. T. To	olley, Jr.
cooperation to protect new	AL.	DRESS 7911 Sis	ssonville Drive
seedling for one growing spason. Attach separate sheets as		Sissonvi	ille, WV 25320
necessary for comments.	FHON	Z NO. 304/988-	-9432

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

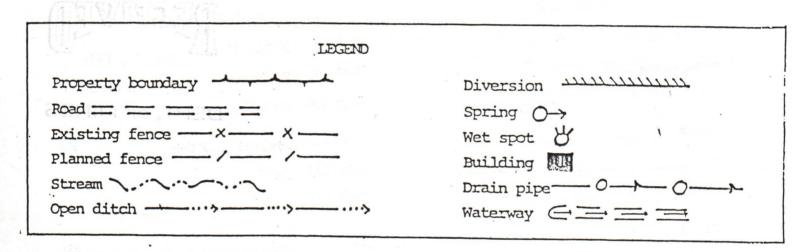
QUADRANGLE Apple Grove 7.5'

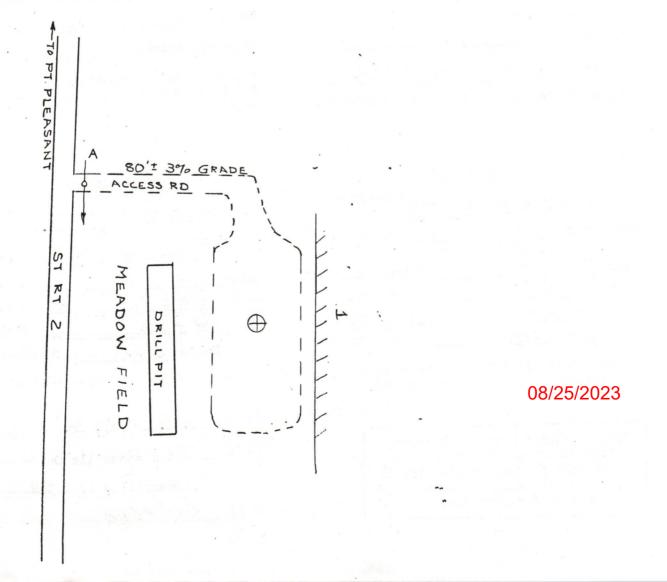
1" = 2000'

Well Site Access Road —



: 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.





1) Date: November 9

2) Operator's

Well No.

1-1960

3) API Well No. 47 -053-0313 State County Permit

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

	NOTIC	E OF APPLICATION FOR	A WELL	WORK PERMIT
) SU	RFACE OWNER(S) OF RECO	RD TO BE SERVED	5(i)	COAL OPERATOR
(i)	Name William H. Woods	Tr		Address
(-/	Address Gallipolis Fe			
1::1		11y, WV 23313	5(ii)	COAL OWNER(S) WITH DECLARATION ON RECORNAME William H. Woods, Jr.
(11)	Name			Address Gallipolis Ferry, WV 25515
	Address			radicus Gallipolis Felly, WV 25515
iii)	Name			Name
	Address			Address
	Aut 635			
7			5(iii)	COLL LESSEE WITH DECLARATION ON RECORD:
		P 471 413	748	% idress
		FECEIPT FOR CERTIF	IED MAII	
	TO THE PERSON(S)			3
		NOT FOR INTERNATION	AL MAII	m and the following documents:
	(1) The App to be p			(or Form IV-4 if the well is he drilling or other work,
	and des	(See Reverse)		ble, the proposed casing and
	cementi (2) The pla		т	
	(3) The Con	William II. Woods	, Jr.	Form IV-6; and ess the well work is only to
	plug a	Street and No.		ediment control and for
	reclama	P.O., State and ZIP Code	KE O M D	
	THE REASON WHICH ARE SUMMAR		WW 255	GHTS REGARDING THE APPLICATION  F THE COPY OF THE APPLICATION
	(FORM IV-2(B) OF		WV 233	OT REQUIRED TO TAKE ANY
	ACTION AT ALL.	Postage	\$	
	Take notice	· · · · · · · · · · · · · · · · · · ·		, the undersigned well op-
	erator proposes for a Well Work	Certified Fee		and accompanying documents
	Department of Mi	Special Dellines 5		il and Gas, West Virginia ribed on attached Application
	and depicted on Construction and	Special Delivery Fee	No. Design	Application, the plat, and the
	by hand to the	Restricted Delivery Fee	The R	or certified mail or delivered in circumstances) on or
	before the day	· 陈 · · · · · · · · · · · · · · · · · ·		and the state of t
	6) EXTRACTION RI	Return Receipt Showing	2 2	TO THE PROPERTY OF THE PARTY OF
	Check and pro	Return Receipt Showing to whom	1 6 6	D) 5 (C) E) (\V   S   N)
	☐ Included i	Date, and Address of Delivery		ct or contracts by which
	I hold	The second of the second	1	[עור
	XXThe requir	TOTAL Postage and Fees	\$	verse side for specifics.) NOV 1 0 1983
	7) ROYALTY PROVI	Postmark or Date NNO		
	Is the right	ON THAT	VILL OF THE	ed upon a lease or leaseL & GAS DIVISION
	or other cont for compensat	88		y or any similar provision
	to the volume	E S NO		is not inherentia de T. of MINES
	If the	10		
	you may use 1	N 1962		ed. If the answer is Yes,
			1	
	See the re	everse side for line item instru	ections, and	for instructions concerning
	Reclamatio	red copies of the Notice and App	olication, p	plat, and Construction and
mb -				
	truth of the informati		WELL	
	ce and Application is		OPERA	TOR Union Drilling, Inc.
	sworn to and the Notic			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	ed on behalf of the We	ell Operator	By	csulf C. Telley
in m	y County and State by		Its	Vice President of Production
	Joseph C. Pettev		Add	resspost Office Drawer 40
this	9tkday of November	, 1983 .		Buckhannon, WV 26201
	y commission expires	5/22 , 1989.	Tel	ephone 304-472-4610

COMMISSIONED AS

SHARON L. KELLEY

County,

Notary Public, Upshur State of West Virginia

08/25/2023

### INSTRUCTIONS TO APPLICANT

#### CONCERNING THE LINE ITEMS:

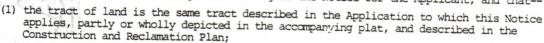
- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
  - 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-lb(b) if "more than three tenants in common or other 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 § 22-4-8a 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-



(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:

MINES	Grantor, lessor, etc.	Grantee, lessee, etc.	Rovaltv	Book Page
	William H. Woods Cyclops Corporation	Cyclops Corporation Union Drilling, Inc.	1/8	43/437 49/507

IV-35 (Rev 8-81) RECEIVED

Static rock pressure\_

# OIL & GAS DIVISION DEPT. OF MINES



# State of Mest Nirginia

Bepartment of Mines Wil und Vas Pivision

Date	March	17,	1984	
Operator's				_
Well No.	1 -	1960	)	_
Farm Will	iam Wo	ods,	Jr.#1	_
APT No. 4	7- 0	53 -	0313	_

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

WELL TYPE: Oil / Gas x / Liquid Injection (If "Gas," Production / Undergro	n_/Was	te Disposa ge/ Dee	l/ p/ Sha	llow_x/)
LOCATION: Elevation: 560' Watershed	Flatfoot	Creek		
District: Clendenin County Maso	n	Quadrangl	e Apple G	rove
COMPANY INTON DRILLING INC				
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201				Cement
DESIGNATED AGENT Joseph C.Vanzant, Jr.	Casing	Used in	CANCEL	fill up
ADDRESS P.O.Drawer 40, Buckhannon, WV 26201	Tubing	Drilling	in Well	Cu. ft.
SURFACE OWNER William Woods, Jr.	Size 20-16			
ADDRESS Gallipolis Ferry, WV 25515	Cond.	-		
MINERAL RIGHTS OWNER Same	13-10"			
ADDRESS	9 5/8	758.40'		
OIL AND GAS INSPECTOR FOR THIS WORK	8 5/8			
erry Tephabock ADDRESS Rt#1, Box 101-A, Ripley, WV	7	1858.99	722.44	71 cf
PERMIT ISSUED 11/28/83 25271	5 1/2			
DRILLING COMMENCED 3/3/84	4 1/2	3074.05		153 cf
DRILLING COMPLETED 3/7/84	3			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2			
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used			
ON				
GEOLOGICAL TARGET FORMATION Lower Huron		Dept	h 3500'	feet
		/ Cable	e Tools_	
Water strata depth: Fresh 35,930 feet;	Salt	feet		
Coal seam depths: none	Is coal	being mine	ed in the	area? no
OPEN FLOW DATA				
Producing formation Huron, Angola	Pay	zone dept	h 3026	5' feet
Gas: Initial open flow show Mcf/d		_		
		al open fl		
Time of open flow between init;				
Static rock pressure not taken psig(surface				
(If applicable due to multiple completion-				
Second producing formation		zone dept		25/2023 feet
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between initi				ırs

\_psig(surface measurement) after

hours shut in

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

Nowsco - 1 stage Foam Frac - 3/11/84

Nowsco - 1 stage Foam Frac - 3/11/84

2618/3026 - Huron - Angola - 60,000# 20/40 sand,265 Bbls water and 828,500 scf nitrogen

DEPT. OF MINES

### WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all freshand salt water, coal, oil and gas
Sand & Shale	. 0	188	1" stream water @35'
Red Rock	188	1050	1" stream water @930'
Little Lime	1050	1080	
Big Lime	1090	1126	
Injun	1257	1307	1 " stream water @ 1470'
Berea	1811	1837	
Upper Huron	2618	2633	
Lower Huron	2672	2942	
Angola	2942	3060	The East of the State of Law 1975
		3160	T.D. gas show
			The Control of the Co
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(Attach separate sheets as necessary)

UNION DRILLING, INC Well Operator Date: Joseph C. Pettey, Vice President of Production 3/17/84

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 enal, encountered in the drilling of a well."

#### STATE OF WEST VIRGINIA

# DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

### DEPT. OF MINES

Oil or Gas Well\_

### INSPECTOR'S WELL REPORT

Permit No. 053 313

Company Union Drilling	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACI	CERS
Address	Size				
Farm	16	The second of the second		Kind of Pac	eker
Well No.	13	A DATA DE SE		Size of	
District County Mason	81/4				
Drilling commenced 3 3 84	6% 5 3/16			Depth set_	
Drilling completedTotal depth	3	8 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	en et a	Perf. top	
Date shotDepth of shot	2			Perf. botton	
Initial open flow/10ths Water inInch	Liners Used			Perf. top	
Open flow after tubing/10ths Merc. inInch				Perf. botton	1
VolumeCu. Ft.	CASING CEME	NTED	SIZE	No. FT	Date
lock pressurelbshrs.	NAME OF SER	VICE COMPA	NY		DOS TREATMENT SET EN MEN MAN SE MAN SE MAN SE MEN SE M
bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEET	INCHES
resh waterfeetfeet	FEET_	INCH	ES	FEET	INCHES
alt water feet feet	FEET_	INCH	ES	FEET	INCHES
Orillers' Names Gary Reed					,
demarks:					

3 3 84 Spud date

Jung 08/26/2628

3 84

### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

### INSPECTOR'S PLUGGING REPORT

MPANY			ADDRESS			
			0			
ing Material Used						
er Loc	ation	Amount	Packer	Location		
	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
*						
						description of the form
	•					
	ong one or proximate or					
		MATAN	Company of the second			
						<del></del>
ers' Names				-	and the same of th	
arks:						100: 20 Security Springer Constitution (Security Springer)
	b 5 M					

#### STATE OF WEST VIRGINIA

# DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



### INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES

Oil or Gas Well\_

Permit No. 053 0313

Company Union Drilling	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACK	ERS
Address	Size				
Farm	16			Kind of Pac	ker
rain	13				
Well No	10			Size of	F
DistrictCounty_Mason	81/4		77		
Drilling commenced	65/8			Depth set_	
Drilling commenced	5 3/16				
Drilling completed 3 8 84 Total depth	3			Perf. top	
Date shotDepth of shot	2	A		Perf. botton	n
Initial open flow/10ths Water inInch	Liners Used			Perf. top	
/lotts water ininch				Perf. bottor	n
Open flow after tubing/10ths Merc. inInch					Haddowsky, Andreas Commencer of the Commencer
VolumeCu. Ft.	CASING CEME	NTED	SIZE	No. FT	Date
Rock pressure lbs hrs.	NAME OF SE	RVICE COMP	ANY		
Oilbbls., 1st 24 hrs.	COAL WAS E	NCOUNTERE	) AT	_FEET	INCHES
Fresh waterfeetfeet	FEET	INC	HES	_FEET	INCHES
Salt water feet feet	FEET	INC	HES	_FEET	INCHES
Drillers' Names Rig #2 Reed					
Dilliers Names					Mad Berlion COM Regions on Spharmathonia Section Annibustive and Meson

Remarks:

3 6 84 Ran 46 jts 7'csg 1859.99' Cement 50 sacs NOSCOE

3 8 84 Ran 3076' 41/2" Cement 95 sacs NOSCOE

Jeny 108/25/2023

3 8 84

DATE

### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

### INSPECTOR'S PLUGGING REPORT

OMPANY	-		ADDRESS			
ARM			Γ(			
lling Material Used					an kan	
ner Location Amount PLUGS USED AND DEPTH PLACED		Packer	Location  CASING AND TUBING			
		BRIDGES				
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
Personal Control of the Control of t						
						-
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llers' Names		and the second of the second				
marks:						
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			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
			e well on this date.			



### State of West Birginia

### Bepartment of Mines Gil and Gas Bivision

Charleston 25305



OIL & GAS DIVISION

DEPT. OF MINES

### FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT March 27, 1984

COMPANY Union D	rilling, Inc.	PERMIT NO _	053-031	3 11/83
P. O. Drawer 4	0	FARM & WELL	NO Wm.	<u>Woods, Jr. #</u> 1-1960
Buckhannon, Wes	st Virginia 26201	DIST. & COU		ndenin/Måson
	DESCRIPTION		IN COMPLIA	ANCE NO
25.04 Prepared by 25.03 High-Press 16.01 Required F 15.03 Adequate F 15.02 Adequate F 15.04 Adequate F 15.04 Adequate F 15.05 Cement Typ 23.02 Maintained Necessary 23.04 Reclaimed No Surface 23.07 Requiremen Well Recor Well Recor Well Recor	Access Roads Equipment to Prevent Waste Drilling Pits or Underground Pollution ts for Production & Gatheri ds on Site	-		
Your well record was with Chapter 22, Are	s received and reclamation ticle 4, Section 2, the abo	DATE CONTRACTOR OF THE PROPERTY OF THE PROPERT	Jengr Barrard T	Typholoh
coverage for the li	e of the well.	Administrato	pri	26

