

1) Date: Dec	ember 8	, 19 83
2) Operator's	1971	FORM 1V-2(B)

Permit

47 3) API Well No. State County

	STATE OF WEST VIRGINIA
DEPARTM	IENT OF MINES, OIL AND GAS DIVISION
ADDLI	CATION FOR A WELL WORK PERMIT

			and well for the substitution of the second			FIICE ONLY	L AND GAS DIVIS LL WORK PERMIT		
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T) WEEL IA								/ Deep	
) LOCATIO			579.			Watershed:		ile Creek	
			lenden			County:	Mason	Quadrangle:	Apple Grove
) WELL OF	ERATOR_					MA STATE OF THE ST	7) DESIGNATEI		C. Vanzant, Jr.
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			n, WV		01			Buckhannon,	WV 26201
AND THE RESIDENCE OF THE PARTY	S INSPEC			FIED			9) DRILLING CO		
Name	erry Te	phabo	ck					on Drilling,	
Addres	s Rou	te 1,	Box 1	01-A			Address	Post Office	
			WV 2					Buckhannon,	
PROPOSI	ED WELL V	WORK:	Drill		_/ Drill	deeper		/ Stimulate	ACE INVIEND
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	oximate coal					ls c	oal being mined in the	area? Yes	PT. OF WINES
) CASING	AND TUBI							71	lı
CASING OR UBING TYPE		SPEC	IFICATIONS Weight	) 			INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
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erse hereof.						, p.a.,	initial plan, one jeet t	any mountourious u	declamation completed
mit expires .		Jecem	ber 29,	198	)	unless we	ll work is commenced	prior to that date and	prosecuted with due diligence.
						Marie Carlos			OTHER INSPECTIONS
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NOTE: Keep o	one copy of	this perm	it posted a	at the d	rilling loca	tion.	Margan Adm	of J. Ha.	The Control of the Co

File



PORMETY 2(8) PILE COPY

STATE OF WEST VIRGINIA

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IV-9 (Rev 8-81)



DATE	Dec	ember	2,	1983	
WELL	w.	1971			

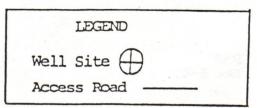
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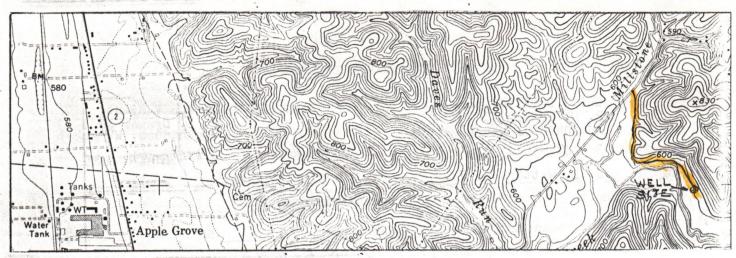
Department of Mines Bil and Gas Bivision

# CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Union Drilling, Inc.		DESIGNATED	AGENT	Josep	h Vanza	nt.
Address Buckhannon, WV 26201	7	Address		P. O.	Drawer	¥0 ₩√ 26201
Telephone 304/472-4610		Telephor			72-4610	
LANDOWNER J. L. Watterson, Jr.		SOIL COM				
Revegetation to be carried out by	Unic	on Drilling,		-	Webber	(Agent)
This plan has been reviewed by		ern				
and additions become a part of this pl	lan:	Dea 5 15	50	_scb.	All co	rrections
•		Date	1 3			
	-5	eslie Ra	ylen	m		
		(SCD) Ag	ent)			
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		Page Ref.	. Manua	1		
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Spacing		Material		. [1]		The state of the s
Page Ref. Manual		The same of the same			DEC	1 2 1903
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Spacing		Material				, ,
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All structures should be invested		Page Ref.				
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D		or corr		PH_	6.5	
(10-20-20 or equivalent)		Fertilizer		20	600	lbs/acre
Mulch Hay or Straw 2 Tons/acre					equiva	lent)
\$ 1 1 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2		Mulch Hay			2	Tons/acre
D 1 03		Seed* Orc	hard G	rass	30	lbs/acre
T 1: 07		Red	Clove	r	4	lbs/acre
Ladino Clover 2 lbs/acre		_ Lad	ino Clo	over	2	lbs/acre
*Inoculate all legumes such as vetch, Inoculate with 3% recommended amount.	trefoil	and clovers	with t	ho nn	man has	
Inoculate with 3X recommended amount.			2001. 0	ne pro	per bac	terum.
	FILLY PE	EFARED EY C	. T. To	olley.	$J_r$ .	8/25/2023
NOTES: Please request landounche!				-	lle Dri	-
secaling for one growing season.		-	1			
Attach separate sheets as		S:	issonvi	lle,	WV 2532	0
necessary for comments.	F	HONE NO. 30	04/988-	9432		

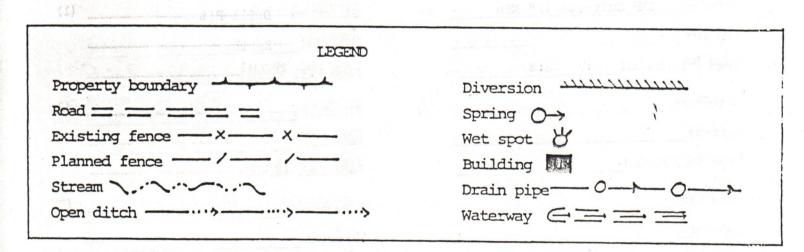
ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE APPLE GROVE

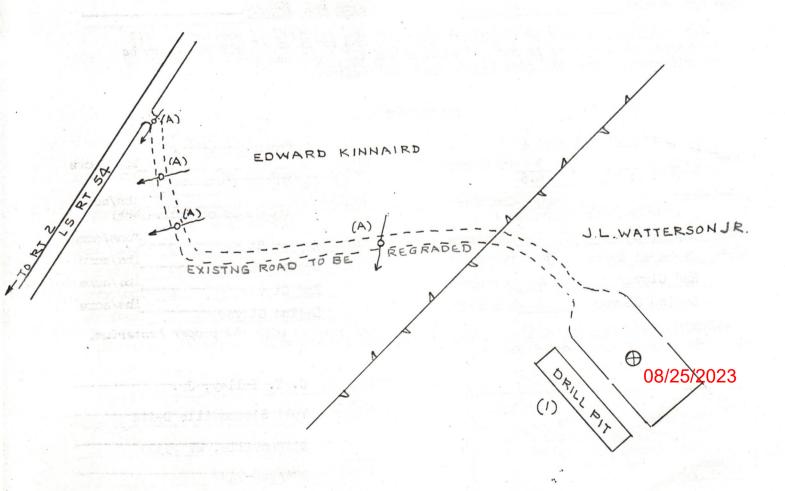




WELL SITE PLAN

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.





1) Date: December 8 ,19 83

2) Operator's

Well No. 1971 3) API Well No. 47-053-0329

State County Permit

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

## NOTICE OF APPLICATION FOR A WELL WORK PERMIT

Address_	Apple Grove	e, WV 25502	5 (	ii) COAL OWNER(S) WITH DECLARATION ON F
Name -				Name J. L. Watterson, Jr.
Address				Address Apple Grove, WV 25502
_				
Name				Name
Address				Address
_				COM 1 DOCUMENT DESCRIPTION OF THE PROPERTY OF
		440	2 1 3	COAL LESSEE WITH DECLARATION ON REC
		P 471 413	859	NameAddress
		RECEIPT FOR CERTIF		Address
		0 1 0 0 0 0 0 0		E
	TO THE PE	NO INSURANCE COVERAGE I		nis Form and the following documents:
	(1)		regulation for	7-2(B) (or Form IV-4 if the well is
		(See Reverse)		ad in the drilling or other work, applicable, the proposed casing and
	(2)	J. L. Watterson,	Jr.	ion on Form IV-6; and
	(3)	Street and No.	1 H AG ON FEET	-9 )unless the well work is only to
	Terr		Park or Art	and sediment control and for
	THE	Apple Grove, WV	25502	HAVE RIGHTS REGARDING THE APPLICATION
	WHICH ARE (FORM IV-	THE PERSON AND THE PERSON WAS A	23302	SIDE OF THE COPY OF THE APPLICATION
	ACTION AT	Postage	\$	J ARE NOT REQUIRED TO TAKE ANY
	Take erator pr	Certified Fee	The Heat St.	ia Code, the undersigned well op-
	for a Wel		201 301 303	ication and accompanying documents te of Oil and Gas, West Virginia
	Departmen and depic	Special Delivery Fee		on described on attached Application
	Construct by hand t	· 医子生物 医毒毒毒物	en talled by	istered or certified mail or delivered DEC 1 2 1983
	before th	Restricted Delivery Fee	Dy nubl frature	contain circuits cances) on or
	6) EXTRAC	Return Receipt Showing to whom and Date Delivered	9 5	OIL & GAS DIVIS
	Check :	Return Receipt Showing to whom	n.	DEPT. of MIN
	☐ Inc.		oplar of the	contract or contracts by which
	XX The	TOTAL Postage and Fees	\$	
	7) ROYALT	Postmark or Date		See reverse side for specifics.)
			A shared	as based upon a lease or leases
	or othe	200		royalty or any similar provision
	to the	1 1 1 1 1 1 1 1 1 1 1	A some or all	which is not inherently related
	, C	SE STORM SOME MARK	tron address of	M
	you may	Market Bank	and the state of t	.s needed. If the answer is Yes,
	See th	e reverse side for 1		
	the re	quired copies of the Notice a mation Plan.	and Applications,	and for instructions concerning on, plat, and Construction and

Notice and Application is verified and the Notice is	OPERATOR Union Drilling Inc.
signed on behalf of the Well Operator	By Joseph C. Latter
In my County and State by  Joseph C. Pettey	Its <u>Vice President of Production</u> Address Post Office Drawer 40
his 8 day of December, 1983.	Buckhannon, WV 26201
My commission expires 3-3, 1991.	Telephone 304-472-4610
Notary Public, Upshur County, State of West Virginia	08/25/2

### 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.

 $\frac{\text{Service}}{\text{with an interest in the coal.}} \text{ See Code § § } 22-4-lm, 22-4-2a, and 22-4-2b.}$ 

# 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—

- 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, e	etc.	Grantee, lessee, etc.	Royalty	Book Page
J. L. Watterson, Jr. Cyclops Corporation		Cyclops Corporation Union Drilling, Inc.	1/8	51/654 49/507



# STATE OF WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION CHARLESTON 25305

February 27, 1984

Theodore M. Streit, Administrator Department of Mines Office of Oil and Gas

RE:	APPLICATION FOR PERMIT #47- 053 - 0329 TO DRILL DEEP WELL
COMP	ANY: UNION DRILLING, INC.
FARM	: J. L. WATTERSON, JR.
COUN	TY:MASON DISTRICT:CLENDENIN
The appl	ication of the above company is APPROVED FOR LOWER HURON FORMATION
	(APPROVED - DISAPPROVED)
Applican	t HAS complied with the provisions of Chapter twenty-two,
four-A ( (1931),	§22-4A), of the Code of West Virginia, nineteen hundred and thirty-one as amended, Oil and Gas Conservation Commission, as follows:
	Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners; Yes
	Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of the deep well, well name, and the name and address of the operator, and, None

3. Provided a plat showing that the proposed location is a distance of 705 feet from the nearest unit boundary and showing the following

wells drilling to or capable of producing from the objective formation within 3,000 feet of the proposed location: None

Very truly yours,

Brett Loflin 6

Petroleum Engineer



# STATE OF WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION CHARLESTON 25305

February 27, 1984

Theodore M. Streit, Administrator Department of Mines Office of Oil and Gas

RE: APPLICATION FOR PERMIT #47- 053 - 0329 TO DRILL DEEP WELL COMPANY: UNION DRILLING, INC.	
FARM: J. L. WATTERSON, JR.	
COUNTY: MASON DISTRICT: CLENDENIN	u,
The application of the above company is APPROVED FOR CLINTON FORMATION (APPROVED - DISAPPROVED)	
Applicant $\frac{\text{HAS}}{\text{HAS} - \text{HAS} \ \text{NOT}}$ complied with the provisions of Chapter twenty-two, four-A (§22-4A), of the Code of West Virginia, nineteen hundred and thirty-or (1931), as amended, Oil and Gas Conservation Commission, as follows:	ne

- 1. Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners; Yes
- 2. Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of the deep well, well name, and the name and address of the operator, and, None
- 3. Provided a plat showing that the proposed location is a distance of 705 feet from the nearest unit boundary and showing the following wells drilling to or capable of producing from the objective formation within 3,000 feet of the proposed location:

Very truly yours,

Brett Loflin 4

Petroleum Engineer



# UNION DRILLING, INC. Drawer 40 Buckhannon, WV 26201

DRILLING CONTRACTORS
PRODUCERS OF OIL AND GAS

February 22, 1984

Ms. Margaret Hasse Petroleum Engineer Specialist Office of Oil and Gas Department of Mines 1615 Washington Street East Charleston, WV 25311-2192

> Re: Permit No. 47-053-0329 UDI Well No. 1971

Dear Margaret:

In accordance with our telephone conversation of this morning, please find enclosed a copy of "Consent and Easement for Deep Well for the Production of Oil and Gas". As we discussed, Union Drilling, Inc. intends to drill the subject well to a depth of approximately 4,500 feet to the Clinton Formation.

Thank you again for your assistance in this matter. If you should need anything further, please do not hesitate to contact us.

Very truly yours,

UNION DRILLING, INC.

Cynthia K. Albaugh Lease Records Supervisor

CKA; cka Enclosure

FEB 24 1984

OIL & GAS DIVISION DEPT. OF MINES

OIL & GAS DIVISION DEPT. OF MINES

# DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



# OIL & GAS DIVISION DEPT. OF MINES

## INSPECTOR'S WELL REPORT

Permit No. <u>053 03</u> 29	053 0329 Oil or G						
Company Ulnion Dilling.	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS			
Address	Size						
Farm_ Waterson	16			Kind of Packer			
Well No. #1	13						
District County Mason	10			Size of			
Drilling commenced 2 15 8 4	65%			Depth set			
	5 3/16	Access medicals					
Drilling completedTotal depth	3			Perf. top			
Date shotDepth of shot	2			Perf. bottom			
Initial open flow/10ths Water inInch	Liners Used			Perf. top			
Open flow after tubing/10ths Merc. in Inch				Perf. bottom			
VolumeCu. Ft.	CASING CEME	NTED	SIZE	No. FTDate			
Rock pressurelbshrs.	NAME OF SER						
bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETINCHES			
resh waterfeetfeet	FEET_	INCH	ES	FEETINCHES			
alt waterfeetfeet	FEET_	INCH	ES	FEETINCHES			
rillers' Names		Annual transfer and and angles on cathering of the second com-		Manufacture on the State of Control of Contr			
emarks: Rig #11 Ridney 570	-4 Tox						
Rig moving 0970,							

2-15-84 BATE Jeny 7 Ty 0825/2023

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

### INSPECTOR'S PLUGGING REPORT

			ADDRESS			
ARM		DISTRICT		OUNTY		
lling Material Used						
ner Lo	cation	Amount	Packer	Location		_
PLUGS USED A	ND DEPTH PLACED	T	BRIDGES		G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	Los
					•	
	•		*12 *2** * 17 *1			
and the second s	and the server of the server o			10/22/20		
			STREET STREET			
J. 14.1. J. L. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			the control of the state of the control of the cont			
illers' Names			The second of th			
			The Language of the same of the same			
marks:	A TOTAL OF THE PERSON OF THE P		and the second of the second o			
	I harahu mautidu I	wigited the sho	ve well on this date.			
DATE	I hereby certify I	A PRICEG FUE WOO.	ve well on this date.			
						23

IV-35 (Rev 8-81) JUN 6 - 1984

State of Mest Airginia

Department of Mines

Date	maria	5/10/84			
Opera	ator'	S			
Well	No.	1 -1971			
Farm	J.L	.Watterson	Jr.	#1	

0329

API No. 47 - 053

OIL & GAS DIVISION

Wil und Was Division

DEPT. OF MINES

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

	Sixtee	enmile Creel	ζ	
District: Clendenin County Ma	son	_Quadrangle	a Apple	Grove
COMPANY Union Drilling, Inc.				
ADDRESS P.O.Drawer 40, Buckhannon, WV 26201	Casing	Used in	Toft	Cement
DESIGNATED AGENT Joseph C. Vanzant, Jr.	Casing	1	in Well	fill up Cu. ft.
ADDRESS P.O.Drawer 40, Buckhannon, WV 26201	Tubing	Drilling	TII WEIT	Cu. It.
SURFACE CWNER J.L. Watterson, Jr.	20-16			
ADDRESS Apple Grove, WV 25502	Cond.	-	201	
MINERAL RIGHTS OWNER Same	13-10"		22'	210 -5
	9 5/8	755.80'	755.80'	318 cf
ADDRESS	8 5/8	-		
OIL AND GAS INSPECTOR FOR THIS WORK	7	1963.45'	1371.45'	310 cf
ry Tephabock ADDRESS Rt#1 Box 101-A, Ripley, W	5 1/2			
PERMIT ISSUED 12/29/83 25271 Drilled Deeper	4 1/2	3254.00'	3254.00'	152 cf
DRITLING COMMENCED 2/16/84 4/5/84 4/6/84	3			
DRILLING COMPLETED 2/19/84 4/6/84	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			
REWORKING. VERBAL PERMISSION OBTAINED	used			1
ON	1			
GEOLOGICAL TARGET FORMATION Lower Huron		Dep	oth 300	o'fee
Depth of completed well 3312' feet	Rotary	Cabl	e Tools_	
Water strata depth: Fresh 280',520 feet				
Coal seam depths: none 785'	Is coal	l being mir	ed in the	area? r
OPEN FLOW DATA -	D:	av zone det	oth 3126	fee
Producing formation Big Lime, Huron	Oil. Ti	III Chai	1 110W	Bbl
Gas: Initial open flow show Mcf/d	Oil: D	inal open	Flow	
Gas: Initial open flow show Mcf/d  Final open flow 30 Mcf/d	F	inal open		
Gas: Initial open flow show Mcf/d  Final open flow 30 Mcf/d  Time of open flow between in	F. itial and	inal open i final test:	6 days M	DNAZE
Gas: Initial open flow show Mcf/d  Final open flow 30 Mcf/d  Time of open flow between in  Static rock pressure not taken psig(surf	Fi itial and ace measur	inal open i final test:	6 days M	DNAZE
Gas: Initial open flow show Mcf/d  Final open flow 30 Mcf/d  Time of open flow between in  Static rock pressure not taken psig(surf	itial and ace measur	inal open f final tests ement) afte	6 days Mo	urs shut
Gas: Initial open flow show Mcf/d  Final open flow 30 Mcf/d  Time of open flow between in  Static rock pressure not taken psig(surf  (If applicable due to multiple completi  Second producing formation	Fitial and ace measure on)	inal open final tests ement) afte	er how	outs ours shut in the share of
Gas: Initial open flow show Mcf/d  Final open flow 30 Mcf/d  Time of open flow between in  Static rock pressure not taken psig(surf  (If applicable due to multiple completi  Second producing formation  Gas: Initial open flow Mcf/d	itial and ace measure on) P Oil: I	inal open final tests ement) afte ay zone dep	os 6 days have how	ours shut :  5/2023 fee
Gas: Initial open flow show Mcf/d  Final open flow 30 Mcf/d  Time of open flow between in  Static rock pressure not taken psig(surf  (If applicable due to multiple completi  Second producing formation	itial and ace measuron)  P Oil: I Oil: F	inal open frinal tests ement) after ay zone deposition open	os 6 days mer how how how flow how how how how how how how how how h	5/2023 fee Bbl

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

Halliburton - Acid Treatment - 2/25/84 1317/25 - Big Lime - 1500 gals. 15% acid

Halliburton - 1 stage Foam Frac - 5/3/84

2781/3126 - Huron - 60,000# 20/40 sand, 221 Bbls water and 906,000 scf nitrogen

#### WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale Red Rock Sand & Shale Big Lime Injun Berea Upper Huron Lower Huron	0 323 345 1291 1386 1892 2788 2839	323 345 1282 1386 1644 1917 2799 3132 3312	1/2" stream water @280' 1/2" stream water @520' 1" stream water @785' T.D. gas show

(Attach separate sheets as necessary)

Well Operator

By: 08/25/2023

Date: Vice President of Production

5/10/84

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."

# DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



## INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 053 -329

Oil or Gas Well\_\_\_\_\_

CompanyUnion	Drilling	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address		Size		1000	
Farm		16			Kind of Packer
Well No		13			S: 6
District	County_ Mason	81/4			Size of
Drilling commenced		65%	Marine and the state of the		Depth set
Drilling completed	Total depth	3		¥ -	Perf. top
Date shot	Depth of shot	2			Perf. bottom
Initial open flow	/10ths Water inInch	Liners Used			Perf. top
Open flow after tubing	/10ths Merc. inInch				Perf. bottom
Volume	Cu. Ft.	CASING CEME	NTED	SIZE	No. FTDate
Rock prescure	lbshrs.	NAME OF SEF	RVICE COMPA	ANY	
	bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETINCHES
Fresh water	feetfeet	FEET	INCF	IES	FEETINCHES
	feetfeet	FEET	INCE	IES	FEETINCHES
Drillers' Names					

Running 41/2 raining very hard could not get to rig.

4 6 84

08/25/2023

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

# INSPECTOR'S PLUGGING REPORT

COMPANY	Tiso		ADDRESS						
		ADDRESS							
FARM	· · · · · · · · · · · · · · · · · · ·	DISTRICT	Appelling to the second of the	COUNTY					
Filling Material Used									
Liner Lo	ocation	Amount	Packer	Location					
PLUGS USED	AND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOS			
				100000000000000000000000000000000000000					
			7 (n)	1.2	-				
			and the second of the second o	-					
		4.311(6.24)							
	100000000000000000000000000000000000000		70 Contract						
			-						
		WWW N. P. C.F.							
rillers' Names					Contract of the contract of th	<u> </u>			
rillers' Names			and the same of th	The second secon	and any estimate of the party of				
emarks:									
	1000000000								
	I hereby certify I vi								

# DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION
DEPT. OF MINES

# INSPECTOR'S WELL REPORT

Permit No. 053 0329			AND ALBERTA COLOR OF THE SECOND COLOR OF THE S		r Gas Well	
Company Union Dr	rilling	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACK	ERS
Address		Size			and the second second	
Farm Watson	TRACES	16	42.02		Kind of Pac	ker
Well No	rentante de la como de Como de la como de la	13	Service Control			Nan to
	TO THE PROPERTY OF THE PROPERTY OF	10			Size of	
District	County_Mason	81/4				
Drilling commenced	2 17 84	6%			Depth set	
Drilling completed 2 2	20 84 Total depth 1911	3			Perf. top	
Date shot	Depth of shot	2	entre d'attent de parties de	9101 240 200	Perf. bottom	
	/10ths Water inInch	Liners Used			Perf. top	
					Perf. bottom	1
Open flow after tubing	/10ths Merc. inInch					
Volume	Cu. Ft.	CASING CEME	NTED	SIZE	No. FT	Date
Rock pressure	lbshrs.	NAME OF SER	VICE COMPA	NY		
Dil	bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEET	INCHES
Fresh water	feetfeet	FEET_	INCH	IES	FEET	INCHES
Salt water	feetfeet	FEET_	INCH	IES	_FEET	INCHES
Orillers' Names_Stra	tor	and the second s				
Remarks: 2 17 84	Spud date		2			
, 04	Dan 755 feet 0 5/8 c	ess Coment	Dowell 2	70 sacs	nlug down	

2 20 84 Ran 1963' 7" csg Cement Dowell 145 sacs, Plug Down 12:45 am.
No 4½ ran on this well.

11:40 pm.

2 21 84 Moving off location.

DATE

Juny a Joseph San La District Well INEPECTOR

## DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

## INSPECTOR'S PLUGGING REPORT

ermit No		- Company of the Comp		Wel	I No	
OMPANY			ADDRESS			
ARM	32 1773.) 32 4	DISTRIC	rc	OUNTY		
illing Material Used			2312			
ner Loc	eation	Amount	Packer	Location		
	ND DEPTH PLACED	na nama gama ngari dhi ng awaka 1930	BRIDGES		G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
			A1 5 8			
						ing i so i
				Nedicare		
			onell ground   Early complete to S	at 17 (1		
		endis Anno Service (1997)	AND THE RESERVED TO SERVED THE PARTY OF THE	E2025		
		. GATHEL	X 17 (7A)   35 49 L			
	/Wastes	3 3 3 3 5 5 5	April 174 a T			
						2000
llers' Names						
					- 12.00	
marks:	2					
.th=(3:51 )			ene enough more than			
	Y 1		ve well on this date.			



# State of West Virginia Department of Mines Gil and Gas Division

Tharleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
June 13, 1984

R	CE		
	AUG 1	4 1984	ש
OIL	& GAS	DIVISIO	V

DEPT. OF MINES

June 13,	1984		
COMPANY Union Drilling, Inc.	PERMIT NO	053-0329	12/83
P. O. Drawer 40	FARM & WELL NO	Watterson 4	<u> 1-197</u> 1
Buckhannon, West Virginia 26201	DIST. & COUNTY	Clendenin/M	fason_
	IN	COMPLIANCE	
RULE DESCRIPTION	YES		
23.06 Notification Prior to Starting Wor 25.04 Prepared before Drilling to Prevent 25.03 High-Pressure Drilling 16.01 Required Permits at Wellsite 15.03 Adequate Fresh Water Casing 15.02 Adequate Coal Casing 15.04 Adequate Production Casing 15.04 Adequate Cement Strenght 15.05 Cement Type 23.02 Maintained Access Roads 25.01 Necessary Equipment to Prevent Was 23.04 Reclaimed Drilling Pits 23.05 No Surface or Underground Pollutio 23.07 Requirements for Production & Gath 16.01 Well Records on Site 16.02 Well Records Filed 7.05 Identification Markings	ste		*
I HAVE INSPECTED THE ABOVE CAPTIONED WELL A	ND RECOMMEND THAT IT	BE RELEASED:	
	SIGNED DATE	Fr Typho	stock 4
Your well record was received and reclamati with Chapter 22, Article 4, Section 2, the coverage for the life of the well.	on requirements apprabove well will rema	oved. In acco	organce l
	Administrator-0	il & Gas Divi	Sion
	August 2	24, 1984	
	DATE		

