Date: January 6 , 19 81 Operator's 13-1628-UC Well No .. API Well No. 47 - 083 -0410

STATE OF WEST VIRGINIA

State County

DEPARTMENT OF MINES, OIL AND GAS DIVISION Harry McMullan, Jr. Estate #13

20	OIL AND GAS	S WELL PERMIT	(1628-UC)
WELL TYPE:	Oil/ Gas/		
	(If "Gas", Productionx/ Und	erground storage	
LOCATION:	Elevation: 1995' Wa	tershed: Middle For	k River
***************************************	District: Roaring Creek Co	unty: Randolph	Quadrangle: Ellamore
WELL OPERAT	TOR UNION DRILLING, INC.	DESIGNATED A	AGENT UNION DRILLING, INC.
Address	P. O. Drawer 40	Address	P. O. Drawer 40
	Buckhannon, WV 26201		Buckhannon, WV 26201
OIL & GAS ROYALTY OW	NER Harry McMullan, Jr. Estate	COAL OPERAT	OR
Address	P. O. Box 8	Address	and the special section of
	Washington, NC 27889		
Acreage	8,663	COAL OWNER	(S) WITH DECLARATION ON RECORD:
The second second	NER Westvaco	Harry	McMullan, Jr. Estate McMullan, III, Agent
Address	203 Randolph Avenue	Address_	P. O. Box 8
	Elkins, WV 26241		Washington, NC 27889
Acreage	380 less lots	Name	
FIELD SALE ((IF MADE) TO:	Address_	Street,
Address	Columbia Gas Transmission Corp.		Tight.
100	Washington, PA 15301		WITH DECLARATION ON RECORD:
OIL & GAS IN	NSPECTOR TO BE NOTIFIED	NameAMA	X COAL COMPANY 105 S. Meridian St.
Name Rober	rt Stewart (884-7782)	Address (Indianapolis, IND 46225 AND) International Coal Company
	P. O. Box 345		Attn: Samuel D. Mason, Dir. of Field Ser
	Jane Lew, WV 26378		119 Washington St. Lewisburg, WV 24901
The sundancies		UDI LEASE #765	
	ned well operator is entitled to operate for oil or g		
	on Drilling, Inc.	, to the undersigned w	ell operator from Harry McMullan Estat
	ease, or other contract has been recorded:)		
Recorded on	Aug. 29 , 19 75 , in the office of the	Clerk of the County Com	mission of Randolph County, West
West, inO/G	Book 295 at page 156	A permit is requeste	ed as follows:
PROPOSED V	WORK: Drill X / Drill deeper/	Redrill Fract	ure or stimulate X
	Plug off old formation/ Per		THE RESERVE OF THE PARTY OF THE
	Other physical change in well (specify		
		It we don't be a first	The part of the same of the sa
	-planned as shown on the work order	er on the reverse side her	reof.
The above nam	ned coal operator, coal owner(s), and coal lessee	are hereby notified that an	y objection they wish to make or are required to
	22-4-3 must be filed with the Department of M		Campilly Disaster and a second
Department.			the state of the s
Copies of this	Permit Application and the enclosed plat and rec	lamation plan have been m	ailed by registered mail or delivered by hand to
	d coal operator, coal owner(s), and coal lessee of	on before the day of the n	nailing or delivery of this Permit Application to
the Department	of Mines at Charleston) Was Circula	1115	

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMIS-

1615 WASHINGTON STREET EAST CHARLESTON, WV 25311

TELEPHONE: (304) 348-3092

JAN - 7 1981

OIL & GAS DIVISION DEPT. OF MINES

UNION DRILLING, INC.

Well Operator

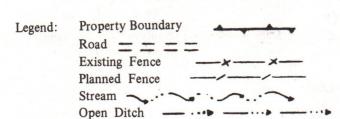
Joseph C. Pettey, Production Manager

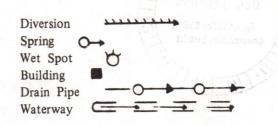
03/15/2024

PROPOSED WORK ORDER

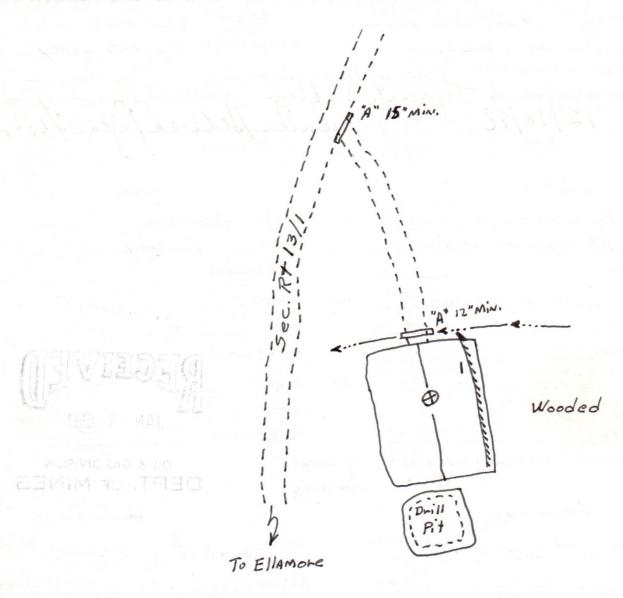
THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING C	ONTRAC	TOR (II	KNOW	N) _	UNI	ON DRILLI	NG, INC.			
				Ad	dress	P. O. Dra	awer 40	-		
						Buckhanno	on, WV 26	201		
GEOLOGICA	L TARGI	ET FOR	MATION	,		Elk		- N Y		
Estimate	ed depth	of comp	oleted we	11,	5200	fee	et Rotary	/_x/ Cab	ole tools	
Approxi	imate wat	er strata	depths:	Fres	h, ?	feet	; salt,	? feet.		
								in the area? Yes	/ No	x /
CASING ANI								4 5	,	,
CASING AND	J TODII									
CASING OR TUBING TYPE		CIFICAT	IONS Weight	1		FOOTAGE	INTERVALS	CEMENT FILL-UP	PACKERS	and a
	Size	Grade	per ft	New	Used	For drilling	Left in well	(Cubic feet)		<u> </u>
Conductor	11 3,	4"	-	х		20'	20'		Kinds	egle.
Fresh Water		1 1		_	-					
Coal									Sizes	
Intermediate	8 5/8		20#	x		850'	850'	to surface		71 14
Production	4 1/2		10½#	x			5100'	500 sks. or	Depths set	
Tubing				2.140				as needed		Market.
Liners				2 -					Perforations:	4
									Тор	Bottom
	1			1-						a section
THIS All prof the	separate Fart of the PERMIT Fovisions W. Va	Form Iv-2 work for MUST B being in Code,	shall not which a p	be requermit	uired fis sough	for fracturing o	r stimulating a	0 feet of the propose well where fracturing Form IV-2 filed in co	or stimulating is	s to ith.
De	eputy Dire	ctor - O	Hy Gas	Divisio	on					
The	e following	waiver r inder Co	must be co	omplet 1-20, if	ed by to	ermit is to be	issued within	pal owner or coal lesses fifteen (15) days of	e who has record receipt thereof.	led a
						WAI	VER	DEGE		
proposed well The undersig	ll location. gned has r	If a min no object	e map ex	ists wh	ich cov propo	vers the area of sed to be done and the gover	the well location at this location the third regulation		as been added to	the mine man
							AS DIVISION	OIL & G		
			10				Ву	.1711		
Date:			, 19				Its			





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



Comments: All Commercial timber to be cut + stacked. All brush + small trees

to be cut + disposed of before dirt work begins. All slopes to be 2:1

except in rock. Average roadway grade + 3%

Signature: Civillo P. Will, P.O. Drawer 40, Buckhannon, W.Va. 472-4610

Address

Phone Number

O3/15/2024

Please request landowners cooperation to protect new seeding for one growing season.



Date	Dec.	17			19 80
Well No.		14	828		
API No.	47		083	-	0410
	State		County		Permit

STATE OF WEST VIRGINIA OFFICE OF OIL AND GAS

Company Name Union Drilling INC		Designated Agent L	INION Drilling I	NC.
Address P.O. Drawer 40, Buckha			Drawes 40, Buc	
Telephone 472-4610			472-4610	
Landowner West VACO			Tygarts Valle	
Revegetation to be carried out by				
This plan has been reviewed by Tygar of this plan. 12/18/80 (Date)	to Val	ley SCD.	All corrections and addition	ns become a part
(Date)		(SCD Agent)	/ //	
Access Road			Location	
Structure Pipe Culverts	(A)	Structure Dive	ersion	(1)
Spacing At Natural Drains		Material	Earthen	
Page Ref. Manual				
Structure Road way Ditch	(B)		*	
Spacing				
Page Ref. Manual	_	Page Ref. Manual		3(0)
Structure		Structure	DE CETA	(3)
Spacing		Material	7 1001	"
Page Ref. Manual	,	Page Ref. Manual	JAN - 7 1981	
Treatment Area I	Revegeta	tion	DEPT. of MIN	
Lime 7			7	II
Lime 3 Tons or correct to pH 6.5	/acre	Lime or correct to	3 pH6. 	II Tons/acre
or correct to pH 6.5	/acre	or correct to		
or correct to pH		Fertilizer(10-	600 20-20 or equivalent)	Tons/acre
or correct to pH	s/acre	Fertilizer(10-	600 20-20 or equivalent)	Tons/acre lbs/acre Tons/acre
or correct to pH	s/acre	Fertilizer(10-	600 20-20 or equivalent)	Tons/acre lbs/acre Tons/acre
or correct to pH 6.5 Fertilizer 600 lbs/a (10-20-20 or equivalent) Mulch 2 Tons Seed* 10 lbs/a Domestic Rye 10 lbs/a	s/acre cre cre	Fertilizer (10- Mulch Seed* Ky 3/ Binds f	20-20 or equivalent) 2 30 30 30 30 30 30 30 30 30	Tons/acre lbs/acre Tons/acre lbs/acre
or correct to pH 6.5 Fertilizer 600 lbs/a (10-20-20 or equivalent) Mulch 2 Tons Seed* 10 lbs/a Domestic Rye 10 lbs/a	s/acre cre cre	Fertilizer (10- Mulch Seed* Ky 3/ Binds f	20-20 or equivalent) 2 30 30 30 30 30 30 30 30 30	Tons/acre lbs/acre Tons/acre lbs/acre
Fertilizer 600 lbs/a (10-20-20 or equivalent) Mulch 7 Tons Seed* 10 lbs/a lbs/a Demestic Rye 10 lbs/a* *Inoculate all legumes such as vetch, trefoil and clover	s/acre cre cre cre cre cre cre cre cre	or correct to Fertilizer (10- Mulch Seed* Ky 3/ Binds f Domes f per bacterium. Inocu	20-20 or equivalent) 2 30 30 30 30 30 30 30 30 30	Tons/acre lbs/acre Tons/acre lbs/acre
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Fertilizer 600 lbs/a (10-20-20 or equivalent) Mulch 7 Tons Seed* 10 lbs/a Binds foot 10 lbs/a *Inoculate all legumes such as vetch, trefoil and clover Attach or photocopy section of involved Topographic	s/acre cre cre cre cre s with the pro	or correct to Fertilizer (10- Mulch Seed* Ky 3/ Binds f Domes f per bacterium. Inocu	20-20 or equivalent) 2 30 30 30 30 30 30 30 30 30	Tons/acre lbs/acre Tons/acre lbs/acre



January 13, 1981

Department of Mines Oil and Gas Division 1615 Washington Street, East Charleston, West Virginia 25311

Randolph County, West Virginia

Rarialo

DEGESVED JAN 2 9 1981

Re: Union Drilling, Inc.
#13-1628-UC Harry McMullan, Jr. Estate
Roaring Creek District

Dear Sirs:

The AMAX Coal Company has received notification that a permit application is being filed to drill the above-mentioned well. The AMAX Coal Company will offer no objection to the drilling of this proposed well provided the applicant intends to drill the proposed well subject to the following conditions:

- 1. All drilling and casing of the well shall be done in compliance with the laws and regulations of the State of West Virginia for wells drilled through workable coal beds.
- 2. All workable coal seams regardless of depth shall be plugged in accordance with the rules and regulations of the State of West Virginia, specifically as outlined in Article 4, Chapter 22 of the West Virginia Code.
- 3. Union Drilling, Inc. - will provide AMAX with a density and natural gamma ray log at a 5"=100' scale covering the interval from total depth to ground surface. In addition, one copy of any other geophysical log shall be sent to AMAX. However, AMAX Coal Company retains the option to run their own logs or have this service contracted out. Please contact Mr. David Darko (317/266-2633) for questions on this procedure.

Department of Mines Page Two January 13, 1981

4. Copies of the completion report, OG-10, and plugging affidavit, OG-8, if applicable, shall be sent to AMAX Coal Company, Attention: James W. Faber.

Sincerely,

James W. Faber, Manager Development Geology

JWF/mdt

Enclosures

cc; Union Drilling, Inc. David A. Darko

The above stipulations are agreed to as a condition for obtaining a drilling permit.

Representative of Union Drilling, Inc.

03/15/2024

(Date)

Formation Color Hard or Soft	Top Feet	Bottom Feet	Ой, Gas or Water * Remarks
Clay & Shale	0	17	
Sand	17	142	
Coal	142	145	Coal @ 142-145'
Sand & Shale	145	221	221–225'
Coal	221	225	408–413 ' 425–428 '
Sand & Shale	225	408	518–521'
Coal	408	413	615–620'
Sand & Shale	413	425	
Coal	425	428	
Sand & Shale	428	518	
Coal	518	521	
Sand & Shale	521	615	
Coal	615	620	
Sand & Shale	620	1108	
Big Injun	1108	1198	ranso ar an an an an an a
Sand & Shale	1198	1648	<u> </u>
5th Sand	1648	1668	iliyaye sa walaya wa wa 🚉
Sand & Shale	1668	1688	
Bayard	1668	1798	
Sand & Shale	1798	1912	
1st Warren	1912	1922	
Sand & Shale	1922	3284	
Riley	3284	3380	-
Sand. & Shale	3380	3404	
Benson		and the second second	
Sand & Shale	3404	3472	of Association of the American Communication
	3472	3680	
Alexander	3680	4004	
Sand &Shale - Elk	4004	4554	
	4554	4522	
Sand &Shale	4522	4750	
Elk	4750	4772	
Sand & Shale	4772	4924 TD	
		5	
		1	
			· · · · · · · · · · · · · · · · · · ·
-			
	*		
. ,			
			03/15/2024

. Date_	August 6		. 19 81
APPROVED	UNION DRILLING,	INCA.	Owne

Joseph C. Pettey, Vice President Production

Revised)

Date: Augu
Operator's
Well No. 1

Date: August 6, 1981
Operator's
Well No. 13A-1628
API Well No. 47- 083-0410

(Well log on reverse side)

Harry McMullan #13-A-1628

State of West Virginia Department of Mines Oil and Gas Division

WELL RECORD

Well Type: (Oil (If ''Gas	/ Gas	XX / Li	iquid	Injec Under	tion/ Was	te Disposal / Deep	_/ _/ Shallow _{XX_} /
						Middle Fork Riv		
						: Randolph		Ellamore
						Designated A		
						Address		-
		fine	n, WV 262		•		Buckhannon	
						_	1	
ermitted Wo	7					ill deeper		_/
				-		Plug off old for		
	Pr	eforate	new forma	ation_	/	Other physical	change in wel	ll (specify)
	-						- X	
ermit Issue	ed on _	January	7, 1981			Oil & Gas	Inspector for	This Work:
						Name:	Robert Stewart	
						Address:	P.O. Box 345	
							Jane Lew, WV 2	6378
eological T	Carrot E	ormati or	Elk			Dent	h 5200	feet
Donth	of com	loted w	11, 49	24	fo	pet ' Potary	XX / Cable 7	Cools /
						feet; Salt; -	for	t
		_						the area? No
WOIK W	as comi	enced	4/06/81			, and compl	4/11	/81
asing and T	ubing P	rogram	ification		1	Footogo	Intervals	Comont Fill Iby
asing or	C:	Spec	Weight	ls l	Traind			Cement Fill-Up
bing Type		Grade	per-it	TAGM	Usea		Left in well	(cubic feet)
onductor	None		1					
resh Water				-				
al	8 5/8''	-	20#	X		765.00'	765.00'	190 also
ntermediate	4 1/2"		10½#	X		4877.05'	4877.05'	180 sks 880 sks
roduction	.4 1/2		102#	1 ·		4677.05	40/7.03	000 SKS
bing			-	+				
ners		l						
ell Treatme	nt detai	ils:	HALLIB	BURTON	WATER	FRACTURE 5/05/8	1	
						45,000# Sand		water
Benson			3396/3400			45,000# Sand	400 bbls	water
Alexand	ler		3667/71		,	45,000# Sand	371 bbls	water .
Alexano	ler		3810/ 3 974			45,000# Sand	365 bbls	water
		,						
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		-					. The second	03/15/2024
		9	CI.	Mari	E / A	Oil. Initial	one flat	Ph1 /d
s: Initia						Oil: Initial		
	open flo						pen flow,	
atic Rock	rressure	1450	PTF	_psig	(suri	ace measurement) aller 24 h	iours snut in.

Permit No. 083-0410

OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORTIL & GAS DIVISION

DEPT. OF MINES

Oil or Gas Well GAS

Leftin CASING AND DRILLING PACKERS Company UNION DRIllinG me W211 Size Well No 13-1628-UC MISTRICE ROAKWG CREEK COUNTY RANDOIPH 5 3/16 Drilling completed _____Total depth_ Depth of shot_ Date shot_ Liners Used In:tial open flow______/10ths Water in____Inch Open flow after tubing /10ths Mcrc. in Inch Cu Ft Volume_ NAME OF SERVICE COMPANY HALLIBURTON lbs. Rock pressure_ COAL WAS ENCOUNTERED AT_____FEET_ bbls., 1st 21 his __INCHES______FEET_____INCHES

feet

feet

FEET_

FEET

INCHES_

UNION R'

Remarks

Salt water_

nove Ri6 SPUD

Labert Si

_FEFT___INCHES

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

			ADDRESS			
MPANY			r(
RM		_DISTRICT				
ing Material Used	CONTRACTOR OF CONTRACTOR AND	and an in-station may be provided an in-state of the state of the stat				
autor representation to the contract of the co	ation	Amount	Packer	Location		
ner Loc					G AND TUB	11.10
PLUGS USED A	NO DEPTH PLACED	District State of the Contract	BRIDGES			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION LUCATION	RECOVERED	SIZE	LOST
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emarks:						
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03/15/2024

RECEIVED

NOV 2 4 1981

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

OIL AND GAS DIVISION WY DEPARTMENT OF MINES INSPECTOR'S WELL REPORT

Permit No. 033-0410			Oil oi	Gas Well 6	75
Company UNION DRILLING	CASING AND TUBING	USED IN DRILLING	LK T IN	PACK	ERS
Address BUCKHANNON	Size				
FARMHARRY MCMUller	16		190 J. 183	Kind of Pacl	cer
Well No. 13-1628-UC	13		2 + 10 (20 m)		
District ROAKING CREEK County RANDO 1PH	81/4			Size of	
Drilling commenced 4-6-8/	6%			Depth set	
	5 3/16	- D - H - H - H - H - H - H - H - H - H		45 96.4.4	. 10.6
Drilling completedTotal depth	3			Perf. top	
Date shotDepth of shot	2			Perf. bottom	7.7.
Initial open flow/10ths Water inInch	Liners Used			Perf. top	
Open flow after tubing/10ths Merc. inInch				Perf. bottom	
Volu.neCu. Ft.	CASING CEME	NTED	SIZE	No. FT	Date
Rock pressure lbs. hrs.	NAME OF SEF	RVICE COMPA	ANY		
Dilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEET	_INCHES
Fresh waterfeetfeet	FEET.	INCF	IES	FEET	_INCHES
Salt water feet feet	FEET_	INCH	IES	FEET	_INCHES
Drillers' Names					
Remarks: DIKITO ReleA	se			, and the second	

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

	-		2/120	ADDRESS	operated and the second department		OMPANY
iner Location Amount Packer Location PLUGS USED AND DEPTH PLACED BRIDGES CASING AND TUBI CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE			OUNTY	C	TRICT		ARM
PLUGS USED AND DEPTH PLACED CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOGATION RECOVERED SIZE	The state of						illing Material Used
CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE			Location	Packer	ount	ation	iner Loc
	NG	S AND TU	CASING	BRIDGES		ND DEPTH PLACED	PLUGS USED A
	LOS	SIZE	RECOVERED	CONSTRUCTION-LUCATION		WOOD-SIZE	CEMENT-THICKNESS
		N. J.A.		ARING SET			
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marks:		· · · · · · · · · · · · · · · · · · ·					marks:

I hereby certify I visited the above well on this date.

DATE



State of Mest Hirginia Department of Mines Gil and Gas Division Charleston 25305

January 26; 1982

THOMAS E. HUZZEY
Deputy Director

Union Drilling, Inc. P. O. Drawer 40 Buckhannon, West Virginia 26201

In Re: PERMIT NO RAN-0410
FARM H.McMullan/Westvaco
WELL NO 13-1628-UC
DISTRICT Roaring Creek
COUNTY Randolph

Gentlemen:

WALTER N. MILLER

DIRECTOR

The Final Inspection Report for the above described well has been received in this office. Only the column checked below applies.

The well designated by the above permit number has been released under your Blanket Bond

Please return the enclosed cancelled SIngle Bond which covered the well designnted by the above permit number to the Surety Company who executed said bond in your behalf, in order that they may give you credit on their records.

XXXX Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above captioned well will remain under bood coverage for life of the well.

Very truly yours,

Thomas E. Huzzey

TEH/: Chm

FERC-121

		FERC-121			
1.0 API well number: (If not available, leave blank. 14 digits.)		47-083-041	.0	AUG2 & 1
2.0 Type of determination being sought: (Use the codes found on the front of this form.)		103 Section of N	IGPA 1	Category Cod	2 2 GAS ALES
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)			3974	feet	The Party
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Name P. Street	ON DRILLING O. Drawer 4 khannon	0	WV 2620 State Zip Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Field Na	ring Creek me dolph		WV State	
(b) For OCS wells:	Area Nan	Date of Le		Block Number	
(c) Name and identification number of this well: (35 letters and digits maximum.)	Hari	cy McMullan		1628	
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)					
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Colu	umbia Gas Tr	ansmission	Corporation	004030 Buyer Code
(b) Date of the contract:			Mo. Day	Yr.	
(c) Estimated annual production:		NOT IN	PRODUCTION	YET MMcf.	
		(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)		2.488			<u>2. 488</u>
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)		2.488			<u>2.488</u>
Agency Use Only Date Received by Juris. Agency Date Received by FERC	Signature	C. Pettey,	Lettry)	dent for Pro Title 304) 472-4610 Phone Number	_

FT7900806/2-2

PARTICIPANTS: DATE: DEC 1 1981	/FD CRILLED
WELL OPERATOR: Union Doilling, Inc.	ER-SELLER
FIRST PURCHASER: Columbia C. T.	001/943
OTHER:	004030
W Va Department of M: 000 = 2300	
W. Va. Department of Mines, Oil & Gas Division WELL DETERMINATION FILE NUMBER OR 3 -0275 4/03	300
18-08-24 103 Daz- cris	
Usa Above File Number on all Communications Qualifies J Thursey	
Relating to Determination of this Well	
CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING	
LIEM NO.	
1. FERC -121 Items not completed - Line No. 7.0 + 8.0 b.c	
2. IV-1 Agent J. R. R. Kanson	
3. IV-2 Well Permit	
4. IV-6 Well Plat	
5. IV-35 Well Record Drilling Deepening	
6. IV-36 Gas-Oil Test of Gas Only Was Oil Produced?	Ratio
7. IV-39 Annual Production years	
8. IV-40 90 day Production Days off line:	
9. IV-48 Application for certification. Complete?	
0-17. IV Form 51 - 52 - 53 - 64 - 55 - 56 - 57 - 58 Complete? Affidavi	t Signed /
8-28. Other: Survey Logs Geological Charts	
Structure Map1: 4000 Map Well Tabulati	
(5) Date commenced: 4-11-8 Deepened	
(5) Production Depth: 3248-52; 3396.3400; 3667-71;3816-3974	
(5) Production Formation: Riley: Benson; Alaunder	
(5) Final Open Flow: 919 M CF	
(5) After Frac. R. P. 1450# 24hrs.	
(6) Other Gas Test:	
(7) Avg. Daily Gas from Annual Production:	
(8) Avg. Daily Gas from 90-day ending w/1-120 days	
(8) Line Pressure: PSIG fr	om Daily Re
(5) Oil Production: From Completion Report	
)-17. Does lease inventory indicate enhanced recovery being done	
)-17. Is affidavit signed? Notarized?	
es official well record with the Department confirm the submitted information?	
ditional information Does computer program confirm?	
s Determination Objected to By Whom?	

2 or	WEST VIRIGNIA	Operator's	
DEPARTMENT OF MINES		Operator's Well No. 13A-1628-UC	
OIL AND GAS DIVISION		API Well	
WELL CLASSIFICATION FORM		No. 47 - 083 - 0410	
NEW ONSHORE	PRODUCTION WELL	State County Permit	
NGPA S	ection 103		
	ADDRESS	T UNION DRILLING, INC.	
WELL OPERATOR TOTAL	ADDRESS	P. O. Drawer 40	
WELL OPERATOR UNION DRILLING, INC.		Buckhan	
P. O. Drawer 40	Lievation_	1995'	
Buckhannon, WV 26201		ddle Fork River	
GAS PURCHASER Columbia Gas Transmission Corp	Gas Pourt	County <u>Randolp</u> Quad. <u>Ellam</u> or	
ADDRESS P. O. Box 498	Contract No.		
Washington, PA 15301	Meter Chart Code		
	Date of Contract		
********************	********	*******	
Date surface drilling was begun 4/06/81			
Indicate the bottom hole pressure of the well and explain how $L = 3810$ ' Avg $T = .007L + 520$ OR $G = 0.0$			
BHP = P_1 e GL/53.34T + 1575.4 PSI Bot	tom Hole Pressure		
AFFIDA	VIT		
I, Joseph C. Pettey , having drilling of the well for which this determination is sought satisfies applicable state or federal well spacing requires existence at the time surface drilling began, which was a produced and which applied to any other well producing gas began on or after February 19, 1977, and which was capal further, that I have concluded, to the best of my informated determination is sought is a new onshore production well a sin the application which is inconsistent with this conclusion.	ments and the well is repplicable to the reservous in commercial quantitible of producing gas in ion, knowledge and belighed that I am not aware of	ir from which gas is or will be ites or on which surface drilling commercial quantities. I state,	
STATE OF WEST VIRGINIA,		110000	
COUNTY OF Upshur, TO WIT			
Di LA Balla a Notary Public in	and for the state and	day of	
that <u>Joseph C. Pettey</u> , whose name is signed to	the writing above, bea	aring date theday	
has acknowledged	the same before me,	in my county aforesard.	
Given under my hand and official seal this 201	day of Aaqusy		
My term of office expires on the 3d day of	f Nach, 1	991 . 03/15/2024	
(NOTARIAL SEAL)	Fr. 1	Si Sole.	
PUBLIC	Janes Janes	Notary Public	

STATE OF WEST VIRIGNIA

Date August 19 , 19 81