

010-27-80

Date: October 22, 19 80

FORM IV-2  
(Obverse)  
(08-78)

Operator's Well No. 3 - 1596 - UC

API Well No. 47 - 083 - 0374

State County Permit

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

Cleo W. Tacy, et. al. #3  
(1596-UC)

OIL AND GAS WELL PERMIT

WELL TYPE: Oil        / Gas x /  
(If "Gas", Production x / Underground storage        / Deep        / Shallow x /)

LOCATION: Elevation: 2210' Watershed: Hell Run  
District: Roaring Creek County: Randolph Quadrangle: Ellamore

WELL OPERATOR UNION DRILLING, INC. DESIGNATED AGENT UNION DRILLING, INC.  
Address P. O. Drawer 40 Address P. O. Drawer 40  
Buckhannon, WV 26201 Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER (FEE SIMPLE) COAL OPERATOR         
(1/2) Carl & Shirley Yokum Address         
Address (1/2) Cleo & Ruth Tacy  
Cleo Tacy, Agent  
P. O. Box 109  
Elkins, WV 26241

Acreage 66.6 COAL OWNER(S) WITH DECLARATION ON RECORD:  
SURFACE OWNER        Name         
Address        Address         
Acreage        Name         
Address        Address       

RECEIVED  
OCT 24 1980

OIL & GAS DIVISION  
DEPT. OF MINES

FIELD SALE (IF MADE) TO:  
Address Columbia Gas Transmission Corporation  
Attn: Bill Gallagher  
P. O. Box 498, Washington, PA

OIL & GAS INSPECTOR TO BE NOTIFIED Name         
Name Robert Stewart ( 884-7782 ) Address         
Address P. O. Box 345  
Jane Lew, WV 26378

UDI LEASE #1128

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed        / lease x  
other contract        / dated May 22, 1980, to the undersigned well operator from Carl & Shirley Yokum;  
Cleo W. & Ruth Tacy to Union Drilling, Inc.  
(If said deed, lease, or other contract has been recorded:)

Recorded on May 27, 1980, in the office of the Clerk of the County Commission of Randolph County, West  
West, in Deed Book 330 at page 576. A permit is requested as follows:

PROPOSED WORK: Drill x / Drill deeper        / Redrill        / Fracture or stimulate x /  
Plug off old formation        / Perforate new formation        /  
Other physical change in well (specify)         
—planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to  
make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the  
Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to  
the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to  
the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY  
TO:  
WEST VIRGINIA OIL AND GAS  
CONSERVATION COMMISS-  
SION  
1615 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (304) 348-3092

BLANKET BOND

03/22/2024  
UNION DRILLING, INC.  
Well Operator  
By George Dasher  
Its George Dasher, Geologist

**PROPOSED WORK ORDER**

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

DRILLING CONTRACTOR (IF KNOWN) UNION DRILLING, INC.

Address P. O. Drawer 40

Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Benson

Estimated depth of completed well, 3800 feet Rotary  / Cable tools \_\_\_\_\_ /

Approximate water strata depths: Fresh, ? feet; salt, ? feet.

Approximate coal seam depths: ? Is coal being mined in the area? Yes \_\_\_\_\_ / No  /

**CASING AND TUBING PROGRAM**

CASING OR TUBING TYPE	SPECIFICATIONS			New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft			For drilling	Left in well		
Conductor	11 3/4"			x		20'	20'		Kinds
Fresh Water									
Coal									Sizes
Intermediate	8 5/8"		20#	x		800'	800'	to surface	
Production	4 1/2"		10 1/2#	x			3800'	300 sks. or as needed	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, 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 § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

**THIS PERMIT MUST BE POSTED AT THE WELL SITE**

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 6-28-81.

[Signature]  
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

**WAIVER**

The undersigned coal operator \_\_\_\_\_ / owner \_\_\_\_\_ / lessee \_\_\_\_\_ / of the coal under this well location 03/22/2024 this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

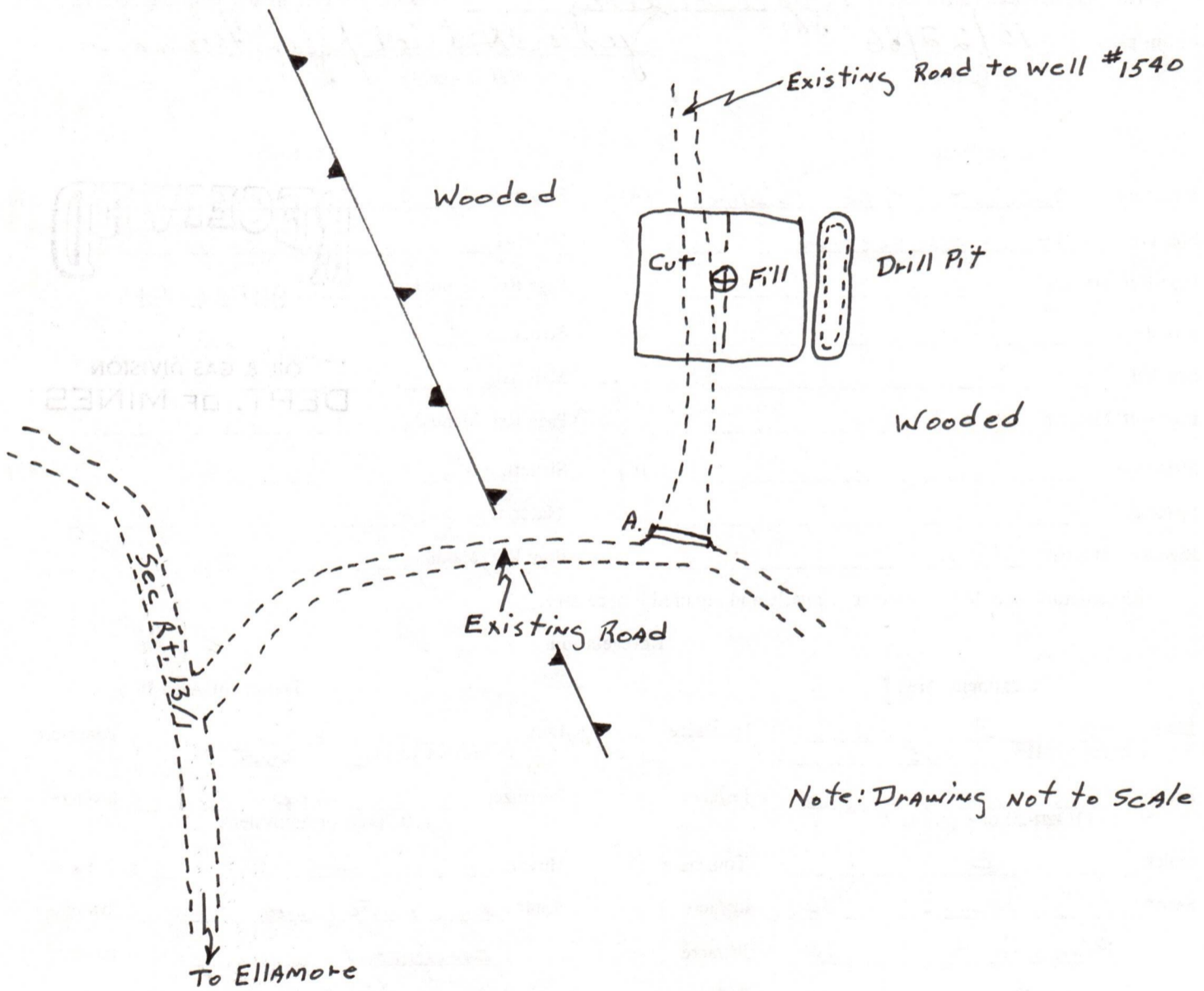
Date: \_\_\_\_\_, 19 \_\_\_\_\_

By \_\_\_\_\_  
Its \_\_\_\_\_

Well Site Plan

Legend:	Property Boundary		Diversion	
	Road		Spring	
	Existing Fence		Wet Spot	
	Planned Fence		Building	
	Stream		Drain Pipe	
	Open Ditch		Waterway	

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  $\pm$  5%

Signature: Arvill P. Wilt, P.O. Drawer 40, Buckhannon, W.Va., 472-4610

Agent

Address

Phone Number

03/22/2024

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



Date October 15 19 80  
 Well No. 1596  
 API No. 47 - 083 - 0374  
 State County Permit

Form IV-9  
(01-80)

STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS

Company Name Union Drilling Inc. Designated Agent Union Drilling Inc.  
 Address P.O. Drawer 40, Buckhannon, W.Va. Address P.O. Drawer 40, Buckhannon, W.Va.  
 Telephone 472-4610 Telephone 472-4610  
 Landowner Cleo W. Tacy Soil Cons. District Tygart's Valley  
 Revegetation to be carried out by Union Drilling Inc. (Agent)  
 This plan has been reviewed by Tygart's Valley SCD. All corrections and additions become a part  
 of this plan. 10/22/80 (Date) Junior Hedrick/Jean Freeman (SCD Agent)

Access Road  
 Structure Culvert Pipe 12" Min. (A)  
 Spacing At intel section  
 Page Ref. Manual \_\_\_\_\_  
 Structure \_\_\_\_\_ (B)  
 Spacing \_\_\_\_\_  
 Page Ref. Manual \_\_\_\_\_  
 Structure \_\_\_\_\_ (C)  
 Spacing \_\_\_\_\_  
 Page Ref. Manual \_\_\_\_\_

Location  
 Structure \_\_\_\_\_ (1)  
 Material \_\_\_\_\_  
 Page Ref. Manual OCT 24 1980  
 Structure \_\_\_\_\_ (2)  
 Material OIL & GAS DIVISION  
DEPT. OF MINES  
 Page Ref. Manual \_\_\_\_\_  
 Structure \_\_\_\_\_ (3)  
 Material \_\_\_\_\_  
 Page Ref. Manual \_\_\_\_\_

All structures should be inspected regularly and repaired if necessary.

Revegetation

Treatment Area I  
 Lime 3 Tons/acre  
 or correct to pH 6.5  
 Fertilizer 600 lbs/acre  
 (10-20-20 or equivalent)  
 Mulch 2 Tons/acre  
 Seed\* Ky 31 Fescue 30 lbs/acre  
Birdsfoot 10 lbs/acre  
Domestic Rye 10 lbs/acre

Treatment Area II  
 Lime 3 Tons/acre  
 or correct to pH 6.5  
 Fertilizer 600 lbs/acre  
 (10-20-20 or equivalent)  
 Mulch 2 Tons/acre  
 Seed\* Ky 31 Fescue 30 lbs/acre  
Birdsfoot 10 lbs/acre  
Domestic Rye 10 lbs/acre

\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

Attach or photocopy section of involved Topographic map. Quadrangle ELLAMORE 6.5'

Legend: Well Site  
 Access Road



Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Fill			0	5		
Sand & Shale			5	390		
Coal			390	392	Coal @ 390-392'	
Sand & Shale			392	635		
Coal			635	645	Coal @ 635-645'	
Sand & Shale			645	1116		
Big Lime			1116	1252		
Injun			1252	1340		
Sand & Shale			1340	1782		
5th Sand			1782	1822		
Sand & Shale			1822	2102		
Bayard			2102	2156		
Sand & Shale			2156	2202		
Elizabeth			2202	2214		
Sand & Shale			2214	3350		
Riley			3350	3446		
Sand & Shale			3446	3670		
Benson			3670	3692		
Sand & Shale			3692	3940		
1st Alexander			3940	3980		
Sand & Shale			3980	4418		
3rd Alexander			4418	4474		
Sand & Shale			4474	4630		
1st Elk			4630	4734		
Sand & Shale			4734	5004		
2nd Elk			5004	5046		
Sand & Shale			5046	4734 TD		

03/22/2024

Date August 6, 19 81

APPROVED UNION DRILLING, INC. Owner

By Joseph C. Pettey  
 Joseph C. Pettey, Vice President -  
 Production

**RECEIVED**

State of West Virginia  
Department of Mines  
Oil and Gas Division

**OIL AND GAS DIVISION**  
**WV DEPARTMENT OF MINES**

WELL RECORD

Well Type: Oil \_\_\_ / Gas XX / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas", Production XX / Underground storage \_\_\_ / Deep \_\_\_ / Shallow XX /

Location: Elevation: 2210' Watershed Hell Run

District: Roaring Creek County: Randolph Quadrangle: Ellamore

Well Operator UNION DRILLING, INC. Designated Agent UNION DRILLING, INC.

Address P.O. Drawer 40 Buckhammon, WV 26201  
Address P.O. Drawer 40 Buckhammon, WV 26201

Permitted Work: Drill XX / Covert \_\_\_ / Drill deeper: \_\_\_ / Redrill \_\_\_ /  
Fracture or stimulate XX / Plug off old formation \_\_\_ /  
Peforate new formation \_\_\_ / Other physical change in well (specify) \_\_\_

Permit Issued on October 24, 1980

Oil & Gas Inspector for This Work:  
Name: Robert Stewart  
Address: P.O. Box 345  
Jane Lew, WV 26378

Geological Target Formation: Benson Depth 3800 feet

Depth of completed well, 4734 feet Rotary XX / Cable Tools \_\_\_ /

Water strata depth: Fresh  $\frac{1}{2}$ "@110', 1" @250' feet; Salt; \_\_\_ feet.  
 $\frac{1}{2}$ "@300'

Coal seam depths: 390-392', 635-645' Is coal being mined in the area? No

Work was commenced 6/26/81, and completed 7/02/81

Casing and Tubing Program

Casing or Tubing Type	Specifications				Footage Intervals		Cement Fill-Up Or Sacks (cubic feet)	
	Size	Grade	Weight per ft	New	Used	For drilling		Left in well
Conductor	None							
Fresh Water								
Coal								
Intermediate	8 5/8"		24#	X		776.42'	776.42'	235 sks
Production Tubing	4 1/2"		10 1/2"	X		5113.14'	5113.14'	890 sks.
Liners								

Well Treatment details: HALLIBURTON WATER FRACTURE 7/13/81

Bayard	2048/52'	45,000# Sand	390 bbls Water
Riley	3414/19'	45,000# Sand	385 bbls water
Benson	3675/82'	45,000# Sand	385 bbls water
1st & 2nd Alexander	3968/70, 4466/68'	45,000# Sand	385 bbls water

03/22/2024

Gas: Initial open flow, Show Mcf/d Oil: Initial open flow, \_\_\_ Bbl/d  
Final open flow, 1,443 mcf Mcf/d Final open flow, \_\_\_ Bbl/d  
Static Rock Pressure, 750# psig (surface measurement) after 24 hours shut in.

(Well log on reverse side)

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

INSPECTOR'S WELL REPORT

Permit No. 083-0374

Oil or Gas Well GAS  
KIND

Company	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
<u>UNION DRILLING INC</u>				
Address <u>BUCK HANNON</u>	Size			
Owner <u>CKO TACY</u>	16			Kind of Packer
Well No. <u>3-1596-UC</u>	13			
District <u>REARING CREEK</u> County <u>RANDOLPH</u>	10			Size of
Drilling commenced <u>6-26-81</u>	8 1/4			Depth set
Drilling completed _____ Total depth _____	6 3/4			
Date shot _____ Depth of shot _____	5 3/16			Perf. top
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top
Volume _____ Cu. Ft.	Liners Used			Perf. bottom
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names UNION RIG - 8

Remarks: MOVE RIG SPUD

RECEIVED  
JUN 29 1981

OIL & GAS DIVISION  
DEPT. OF MINES

6-26-81  
DATE

Robert Stewart  
INSPECTOR  
511  
03/22/2024





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

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MAY - 7 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 083-0374

Oil or Gas Well GAS  
(KIND)

Company <u>UNION DRILLING</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>BUCKHANNON</u>	Size			
Farm <u>Cleo TACY</u>	16			Kind of Packer
Well No. <u>3-1596-UC</u>	13			
District <u>REARING CREEK</u> County <u>RANDOLPH</u>	10			Size of
Drilling commenced <u>6-26-81</u>	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom
Volume _____ Cu. Ft.	Liners Used			Perf. top
Rock pressure _____ lbs. _____ hrs.				Perf. bottom
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks:

O.K. To Release

5-5-82

DATE

Robert Stewart 03/22/2024 511

DISTRICT WELL INSPECTOR





State of West Virginia

Department of Mines  
Oil and Gas Division  
Charleston 25305

WALTER N. MILLER  
DIRECTOR

THOMAS E. HUZZEY  
DEPUTY DIRECTOR

May 24, 1982

Union Drilling, Inc.  
P. O. Drawer 40  
Buckhannon, W. Va. 26201

IN RE: PERMIT NO. 083-0374  
FARM Cleo W. Tracy, et al  
WELL NO. 3-1596-UC  
DISTRICT Roaring Creek  
COUNTY Randolph

Gentlemen:

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 designated 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 your records.

XXXXXX 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 bond coverage for life of the well.

Very truly yours,

Thomas E. Huzzey

TEH/rl

03/22/2024

**RECORDED**  
**AUG 24 1981**  
**OIL & GAS DIVISION**  
**DEPT. OF MINES**

1.0 API well number: (If not available, leave blank. 14 digits.)	_____ 47-083-0374												
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	_____ 103 Section of NGPA												
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	_____ 4468 feet												
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	_____ UNION DRILLING, INC. <span style="float: right;">019434</span> Name <span style="float: right;">Seller Code</span> _____ P. O. Drawer 40 Street _____ Buckhannon <span style="margin-left: 100px;">WV</span> <span style="margin-left: 50px;">26201</span> City <span style="margin-left: 100px;">State</span> <span style="margin-left: 50px;">Zip Code</span>												
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	_____ Roaring Creek District Field Name _____ Randolph <span style="margin-left: 100px;">WV</span> County <span style="margin-left: 100px;">State</span>												
(b) For OCS wells:	_____ Area Name <span style="margin-left: 100px;">Block Number</span>  Date of Lease: _____ Mo. Day Yr. <span style="margin-left: 100px;">OCS Lease Number</span>												
(c) Name and identification number of this well: (35 letters and digits maximum.)	_____ Cleo W. Tacy #3 <span style="margin-left: 100px;">1596</span>												
(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.)	_____ Columbia Gas Transmission Corp. <span style="float: right;">004030</span> Name <span style="float: right;">Buyer Code</span>												
(b) Date of the contract:	_____ Mo. Day Yr.												
(c) Estimated annual production:	_____ NOT IN PRODUCTION YET MMcf.												
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 25%;">(a) Base Price (\$/MMBTU)</th> <th style="width: 25%;">(b) Tax</th> <th style="width: 25%;">(c) All Other Prices [Indicate (+) or (-).]</th> <th style="width: 25%;">(d) Total of (a), (b) and (c)</th> </tr> <tr> <td style="text-align: center;">2.488</td> <td style="text-align: center;">---</td> <td style="text-align: center;">---</td> <td style="text-align: center;">2.488</td> </tr> </table>	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)	2.488	---	---	2.488				
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2.488	---	---	2.488										
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 25%;">(a) Base Price (\$/MMBTU)</th> <th style="width: 25%;">(b) Tax</th> <th style="width: 25%;">(c) All Other Prices [Indicate (+) or (-).]</th> <th style="width: 25%;">(d) Total of (a), (b) and (c)</th> </tr> <tr> <td style="text-align: center;">2.488</td> <td style="text-align: center;">---</td> <td style="text-align: center;">---</td> <td style="text-align: center;">2.488</td> </tr> </table>	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)	2.488	---	---	2.488				
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2.488	---	---	2.488										
9.0 Person responsible for this application:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; vertical-align: top;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">Agency Use Only</td> </tr> <tr> <td style="font-size: small;">Date Received by Juris. Agency</td> </tr> <tr> <td style="text-align: center; font-size: large;">AUG 24 1981</td> </tr> <tr> <td style="font-size: small;">Date Received by FERC</td> </tr> </table> </td> <td style="vertical-align: top;"> <table style="width: 100%;"> <tr> <td style="width: 50%;">                             _____                              Joseph C. Pettey, Vice President for Production                              Name <span style="float: right;">Title</span> </td> <td style="width: 50%;"></td> </tr> <tr> <td style="width: 50%;">                             _____                              Joseph C. Pettey                              Signature                         </td> <td style="width: 50%;"></td> </tr> <tr> <td style="width: 50%;">                             _____                              8/21/81                              Date Application is Completed                         </td> <td style="width: 50%;">                             _____                              (304) 472-4610                              Phone Number                         </td> </tr> </table> </td> </tr> </table>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">Agency Use Only</td> </tr> <tr> <td style="font-size: small;">Date Received by Juris. Agency</td> </tr> <tr> <td style="text-align: center; font-size: large;">AUG 24 1981</td> </tr> <tr> <td style="font-size: small;">Date Received by FERC</td> </tr> </table>	Agency Use Only	Date Received by Juris. Agency	AUG 24 1981	Date Received by FERC	<table style="width: 100%;"> <tr> <td style="width: 50%;">                             _____                              Joseph C. Pettey, Vice President for Production                              Name <span style="float: right;">Title</span> </td> <td style="width: 50%;"></td> </tr> <tr> <td style="width: 50%;">                             _____                              Joseph C. Pettey                              Signature                         </td> <td style="width: 50%;"></td> </tr> <tr> <td style="width: 50%;">                             _____                              8/21/81                              Date Application is Completed                         </td> <td style="width: 50%;">                             _____                              (304) 472-4610                              Phone Number                         </td> </tr> </table>	_____ Joseph C. Pettey, Vice President for Production Name <span style="float: right;">Title</span>		_____ Joseph C. Pettey Signature		_____ 8/21/81 Date Application is Completed	_____ (304) 472-4610 Phone Number
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Agency Use Only													
Date Received by Juris. Agency													
AUG 24 1981													
Date Received by FERC													
_____ Joseph C. Pettey, Vice President for Production Name <span style="float: right;">Title</span>													
_____ Joseph C. Pettey Signature													
_____ 8/21/81 Date Application is Completed	_____ (304) 472-4610 Phone Number												

03/22/2024

DEC 1 1981

BUYER-SELLER CO  
019434  
004030

PARTICIPANTS:  
WELL OPERATOR: Union Drilling, Inc.  
FIRST PURCHASER: Columbia Gas Trans. Corp.  
OTHER:

W. Va. Department of Mines, Oil & Gas Division  
WELL DETERMINATION FILE NUMBER  
81-08-24-103-083 = 0374  
Use Above File Number on all Communications  
Relating to Determination of this Well

083-0341 (#1540) = 1500  
083-0055 = plugged  
K.R. Ranson  
J. Sturgis

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

- 1. FERC -121  Items not completed - Line No. 70+8.0 b,c
- 2. IV-1 Agent  K. R. Ranson
- 3. IV-2 Well Permit
- 4. IV-6 Well Plat
- 5. IV-35 Well Record  Drilling  Deepening
- 6. IV-36 Gas-Oil Test:  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?
- 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete?  Affidavit Signed
- 18-28. Other: Survey  Logs  Geological Charts  Well Tabulations  Structure Map  Gas Analyses  1: 4000 Map

- (5) Date commenced: 10-26-81 Date completed 7-2-81 Deepened
- (5) Production Depth: 2048-52, 3414-19, 3675-82, 3968-70-4466-68
- (5) Production Formation: Bayard, Riley, Benson, 1st & 2nd Alexander
- (5) Final Open Flow: 1443 MCF
- (5) After Frac. R. P. 750# 24 hrs
- (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:
- (5) Oil Production:  From Completion Report
- 17. Does lease inventory indicate enhanced recovery being done  NO
- 17. Is affidavit signed?
- Does official well record with the Department confirm the submitted information?  YES
- Additional information  Does computer program confirm?
- Determination Objected to  By Whom?

Date AUGUST 19, 1981

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES,  
OIL AND GAS DIVISION  
WELL CLASSIFICATION FORM

Operator's Well No. 3 - 1596 - UC  
API Well No. 47 - 083 - 0374  
State County Permit

NEW ONSHORE PRODUCTION WELL  
NGPA Section 103

DESIGNATED AGENT UNION DRILLING, INC.  
ADDRESS P. O. Drawer 40  
Buckhannon, WV 26201

WELL OPERATOR UNION DRILLING, INC.  
ADDRESS P. O. Drawer 40  
Buckhannon, WV 26201

LOCATION: Elevation 2210  
Watershed Hell Run  
Dist. Roaring Creek County Randolph Quad. Ellamore

GAS PURCHASER Columbia Gas Transmission Corp.  
ADDRESS P. O. Box 498  
Washington PA 15301

Gas Purchase Contract No. \_\_\_\_\_  
Meter Chart Code \_\_\_\_\_  
Date of Contract \_\_\_\_\_

\*\*\*\*\*

Date surface drilling was begun 6/26/81

Indicate the bottom hole pressure of the well and explain how this was calculated:

$L = 4466'$  Aug  $T = .007L = 520^{\circ}R$   $G = 0.635$

$BHP = P_1 e^{GL/53.34T} = 825.9$  PSI Bottom Hole Pressure

AFFIDAVIT

I, Joseph C. Pettey, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

STATE OF WEST VIRGINIA,  
COUNTY OF Upshur, TO WIT

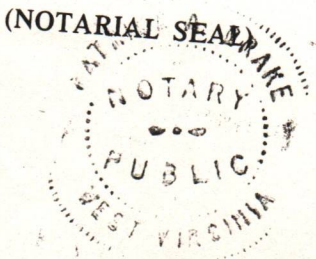
Joseph C. Pettey  
Joseph C. Pettey, Vice President for Production

I, Patrick A. Brake, a Notary Public in and for the state and county aforesaid, do certify that Joseph C. Pettey, whose name is signed to the writing above, bearing date the 20<sup>th</sup> day of August, 1981, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 20<sup>th</sup> day of August, 1981.

My term of office expires on the 3<sup>rd</sup> day of March, 1991.

03/22/2024



Patrick A. Brake  
Notary Public