

Date: February 29, 1980

Operator's Well No. 1 - 1588-U

API Well No. 47 - 083 - 0308
State County Permit

Mike Ross, et.al #1 (1588-U)

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

OIL AND GAS WELL PERMIT APPLICATION

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

LOCATION: Elevation: 1898' Watershed: Middle Fork River
District: Roaring Creek County: Randolph Quadrangle: Ellamore

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

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

OIL & GAS ROYALTY OWNER (FEE SIMPLE)
Mike Ross, et. al
Address 9 1/2 Franklin Street
Buckhannon, WV 26201

COAL OPERATOR _____
Address _____

Acreage 1 of 50

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER _____
Address _____

Name _____

Acreage _____

Address _____

FIELD SALE (IF MADE) TO:

Name _____

Name _____

Address _____

Address _____

COAL LESSEE WITH DECLARATION ON RECORD:

OIL & GAS INSPECTOR TO BE NOTIFIED

Name _____

Name _____

Address _____

Address _____

RECEIVED

MAR - 4 1980

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated Feb. 29, 1980, to the undersigned well operator from Mike Ross, et. al.
[If said deed, lease, or other contract has been recorded:]

Recorded on (is being) _____, 19____, in the office of the Clerk of the County Commission of Upshur County, West Virginia, in _____ Book _____ at page _____. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate /
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 COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311

TELEPHONE: (304) 348-3092

03/29/2024

UNION DRILLING, INC.
Well Operator

By Joseph Petley
Its Joseph Petley, Production Manager

BLANKET BOND

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, 4200 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				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	11 3/4"			x		20'	20'	Kinds
Fresh water								
Coal								Sizes
Intermediate	8 5/8"	20#		x		900'	900'	to surface
Production	4 1/2"	10 1/2#		x		4200'	4200'	300 sks. 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 11-5-80.

[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:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined 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 _____

03/29/2024

BLANKET ORDER

RECLAMATION PLAN

QUADRANGLE Ellamore 7.5'

WELL NO. 1588-TMAR-3

SCALE 1" = 2000'

1588-TMAR-3
MAR - 3 1980
OIL & GAS DIVISION
STATE OF MONTANA

Locate and show (1) Well Location (2) Access Road (3) Well Site (4) Drill Pit and (5) Necessary Drainage Features.



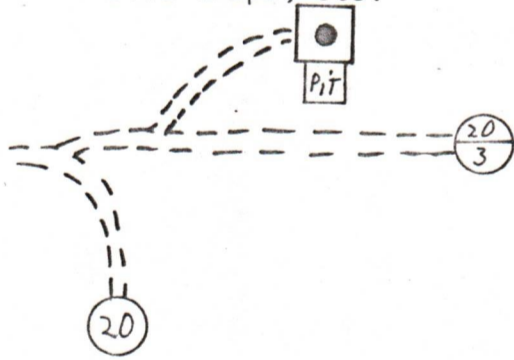
COMPANY NAME Union Drilling Inc. PERMIT NO. _____

OPERATOR ARM Mike Ross et al DISTRICT Roaring Creek COUNTY Randolph

STATEMENT OF RECLAMATION PLAN:

Location will be ditched to disperse silt without causing erosion. Road will be culverted to prevent erosion, provide proper drainage where needed. After well is completed, area will be restored to its original contour or as near as possible to its original contour. Area will then be mulched down and seeded.

Not to scale; drawing of all roads, locations, ditches, drains, pits, silt traps, etc.



Signature

This plan was observed and agreed upon between the well operator, contractor, and the district oil and gas inspector. 03/29/2024

Robert S. Stewart

Please indicate () "YES" if the district inspector was present.

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Submitted By: Joseph C. Petty Title Production Manager Date 2/29/80

DETAILS OF PERFORMANCE OF PRODUCING FORMATION Alexander Pay zone depth 3603' feet

Gas: Initial open flow, Show Mcf/d Oil: Initial open flow, Bbl/d
 Final open flow, 300 Mcf/d Final open flow, Bbl/d

Time of open flow between initial and final tests, hours

Static rock pressure, 1300 psig (surface measurement) after 24 hours shut in

[If applicable due to multiple completion--]

Second producing formation Elk Pay zone depth 4422' feet

Gas: Initial open flow, Show Mcf/d Oil: Initial open flow, Bbl/d
 Final open flow, 300 Mcf/d Final open flow, Bbl/d

Time of open flow between initial and final tests, hours

Static rock pressure, 1300 psig (surface measurement) after 24 hours shut in

Fractured April 8, 1980

Balltown	316 Bbls.	27,000# Sand
Benson	425 Bbls.	45,000# Sand
Alexander	490 Bbls.	45,000# Sand
Elk	725 Bbls.	90,000# Sand

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Ground Level			0	10	
Sand & Shale			10	32	
Sand			32	262	
Sand, Shale & Red Rock			262	390	6" Water @ 244'
Sand			390	435	
Shale			435	455	
Sand			455	463	
Shale			463	495	
Sand			495	510	
Shale			510	615	
Sand & Shale			615	674	
Big Lime			674	834	
Shale			834	842	
Injun Sand			842	933	
Sand & Shale			933	1390	
Sand, Shale & Red Rock			1390	1458	
Sand			1458	1506	
Sand, Shale & Red Rock			1506	2220	
Balltown			2220	2240	
Sand & Shale			2240	3170	
Benson			3170	3186	
Sand & Shale			3186	3595	
Alexander			3595	3618	
Sand & Shale			3618	4402	
Elk			4402	4442	
And & Shale			4442	4780 TD	

(Attach separate sheets to complete as necessary)

UNION DRILLING, INC.
 Well Operator
 By Joseph C. Petty
 For Joseph C. Petty, Production Manager

03/29/2024

NOTE: Regulation 2.02(1) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."

Mike Ross #1

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

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

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___
(If "Gas", Production ___ / Underground storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 1898' Watershed: Middle Fork River
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

PERMITTED WORK: Drill X / Convert ___ / Drill deeper ___ / Redrill ___ / Fracture or stimulate X
Plug off old formation ___ / Perforate new formation ___
Other physical change in well (specify) _____

PERMIT ISSUED ON March 3, 1980, OIL & GAS INSPECTOR FOR THIS WORK:
(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Robert S. Stewart
Address P.O. Box 345
Jane Lew, WV 26378

GEOLOGICAL TARGET FORMATION: Benson Depth 4200' feet
Depth of completed well, 4780' feet Rotary X / Cable Tools ___
Water strata depth: Fresh, 6'@244' feet; salt, ___ feet.
Coal seam depths: None Is coal being mined in the area? No
Work was commenced March 8, 1980, and completed March 19, 1980

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft	New	Used	For drilling			Left in well
Conductor	16"			X		32'	32'	25 sks	Kinds
Fresh water	11 3/4"			X		307.50	304.50	150 sks	
Coal									Sizes
Intermediate	8 5/8"	20#		X		637.35'	637.35	190 sks	
Production	4 1/2"	10#		X		4699.15'	4699.15'	570 sks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom
									2222/26 3164/68
									3587/89 3594/96
									3601/03 4000/02
									4008/10 4414/16
									4420/22

OPEN FLOW DATA

Producing formation Balltown Pay zone depth 2226' feet
Gas: Initial open flow, Show Mcf/d Oil: Initial open flow, ___ Bbl/d
Final open flow, 200 Mcf/d Final open flow, ___ Bbl/d
Time of open flow between initial and final tests, ___ hours
Static rock pressure, 1300 psig (surface measurement) after 24 hours shut in

[If applicable due to multiple completion--]

Second producing formation Benson Pay zone depth 03/29/2024 feet
Gas: Initial open flow, Show Mcf/d Oil: Initial open flow, ___ Bbl/d
Final open flow, 200 Mcf/d Final open flow, ___ Bbl/d
Time of open flow between initial and final tests, ___ hours
Static rock pressure, 1300 psig (surface measurement) after 24 hours shut in

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

RECEIVED

MAR 10 1980

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES
KIND: 1575

Permit No. 083-0308

Company <u>UNION DRILLING INC</u>	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
Address <u>BUCK HANNON</u>	Size			
Farm <u>MIKE ROSS</u>	16			Kind of Packer
Well No. <u>1-1588-U</u>	13			
District <u>ROARING CREEK</u> County <u>RANDOLPH</u>	10			Size of
Drilling commenced <u>3-8-80</u>	8 1/4			
Drilling completed _____ Total depth _____	6 3/4			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 UNION DRILLING RIG 1

Remarks: MOVE RIG SPUD

3-8-80
DATE

Robert Stearns 03/29/2024 511
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location	
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

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

DATE

03/29/2024

DISTRICT WELL INSPECTOR

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

RECEIVED

MAR 13 1980

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 083-0308

Oil or Gas Well GAS
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
<u>Union DRILLING INC</u>	Size			
<u>Buck HANNON</u>	16		<u>25 FT.</u>	Kind of Packer
<u>MIKE ROSS</u>	13			
<u>1-1588-U</u>	10			Size of
<u>REARING CREEK</u> County <u>RANDOLPH</u>	8 1/4			
<u>3-8-80</u>	6 3/4			Depth set
	5 3/16			
	3			Perf. top
	2			Perf. bottom
	Liners Used			Perf. top
				Perf. bottom
	CASING CEMENTED <u>16"</u> SIZE <u>25</u> No. FT. <u>3-11-80</u> Date			
	NAME OF SERVICE COMPANY <u>HAND MIX</u>			
	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names UNION DRIG RIG - 1

Remarks:
Cement 16" csg in
Hit 7' STREAM WATER @ 257 REARING Hole
To Run 300ft & Cement

3-11-80
DATE

Robert Stewart 03/29/2024
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

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

DATE

03/29/2024
 DISTRICT WELL INSPECTOR

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

RECEIVED

NOV 24 1980

INSPECTOR'S WELL REPORT

Permit No. 083-0309

OIL & GAS DIVISION
DEPT. OF MINES
Oil or Gas Well GAS
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>UNION DRILLING INC</u>	Size			
<u>BUCK HANNON</u>	16			Kind of Packer
<u>MIKE ROSS</u>	13			
<u>1-1588-U</u>	10			Size of
<u>PEARING CREEK</u> County <u>RANDOLPH</u>	8 1/4			
<u>3-8-80</u>	6 5/8			Depth set
	5 3/16			
	3			Perf. top
	2			Perf. bottom
	Liners Used			Perf. top
				Perf. bottom
	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
	NAME OF SERVICE COMPANY _____			
	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks: _____

O.K. To Release

11-19-80
DATE

Robert Stewart 03/29/2024
DISTRICT WELL INSPECTOR 511

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

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

DISTRICT WELL INSPECTOR
03/29/2024



State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

WALTER N. MILLER
DIRECTOR

January 16, 1981

Union Drilling, Inc.
P. O. Drawer 40
Buckhannon, WV 26201

Dear Sir:

The required records and reports have been received in this office and the District Inspectors have submitted Final Inspections for the following wells listed below:

- 083-0301 - Harry McMullan Farm - Well No. 2-1554-U - Roaring Creek - Randolph
- 083-0308 - Mike Ross Farm - Well No. 1-1588-U - Roaring Creek - Randolph
- 083-0310 - Harry McMullan Farm - Well No. 6-1548-U - Roaring Creek - Randolph
- 083-0315 - Lucille Tallman Farm - Well No. 2-1525-UC - Roaring Creek - Randolph
- 097-1956 - Mildred C. Potter - Well No. 1-1534-UC - Washington District - Upshur

In accordance with Chapter 22, Article 4, Section 2, the bond coverage for above captioned wells will stay in force for life of well. Reclamation requirements have been approved.....

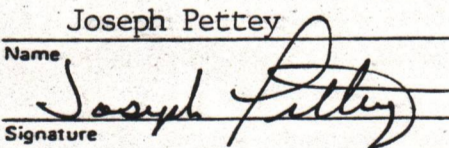
Very truly yours,

Fred Burdette

03/29/2024

RECEIVED

MAY 13 1980

1.0 API well number: (If not available, leave blank. 14 digits.)	47-083-0308												
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.)	4422' 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. 019434 Name Seller Code P.O. Drawer 40 Street Buckhamon, WV 26201 City State Zip Code												
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 WV County State												
(b) For OCS wells:	Area Name Block Number Date of Lease: Mo. Day Yr. OCS Lease Number												
(c) Name and identification number of this well: (35 letters and digits maximum.)	Mike Ross #1 1588												
(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. 004030 Name Buyer Code												
(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;"> <thead> <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> </thead> <tbody> <tr> <td style="text-align: center;">2.221</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">2.221</td> </tr> <tr> <td style="text-align: center;">2.221</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">2.221</td> </tr> </tbody> </table>	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)	2.221	-----	-----	2.221	2.221	-----	-----	2.221
(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)										
2.221	-----	-----	2.221										
2.221	-----	-----	2.221										
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <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> </thead> <tbody> <tr> <td style="text-align: center;">2.221</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">2.221</td> </tr> </tbody> </table>	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)	2.221	-----	-----	2.221				
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2.221	-----	-----	2.221										
9.0 Person responsible for this application:	Joseph Pettey Production Manager Name Title  Signature May 8, 1980 (304) 472-4610 Date Application is Completed Phone Number												

Agency Use Only
Date Received by Juris. Agency
MAY 13 1980
Date Received by FERC

NOV 19 1980

PARTICIPANTS:

WELL LEASER: Union Drilling, Inc.

019434

FIRST PURCHASER: Columbia Gas Trans. Corp.

004030

OTHER:

W.Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER

800513 · 103 · 083 · 0308

Use Above File Number on all Communications
Relating To Determination of this Well

Computer OK.

OK. map

~~083 0297 - 2630~~

~~083 0301 - 2000~~

Qualifies J. H. Huggins

CHECK EACH ITEM AS COMPLETE OR NOTE THAT IS MISSING

ITEM NO.

1. FERC-121 Items not completed - Line No. _____

2. IV-1 Agent K. R. Ranson

3. IV-2 Well Permit

4. IV-6 Well Plat

5. IV-35 Well Record Drilling Preparing _____

6. IV-36 Gas-Oil Test: Gas Only _____ Was Oil Produced? _____ Ratio _____

7. IV-39 Annual Production No Prod. Years _____

8. IV-40 90 day Production _____ Days off line: _____

9. IV-48 Application for certification. Complete?

10-17 IV Form 807 - 82 - 83 - 84 - 85 - 86 - 87 - 88 Completed?

10-18 Others: Survey _____ Maps _____ Geological Charts _____

Structure Map _____ Section Map _____ Well Connections _____
Gas Analyses _____

(13) Date commenced: 3/8/80 Date completed: 3/19/80 Reported _____

(14) Production Depth: 2226; 3168

(15) Production Formations: Balltown; Benson

(16) Final Open Flow: 200 mcf/d

(16) After Free. P.P. 1300 #

(16) Other Gas Tests: _____

(17) Avg. Daily Gas from Annual Production: No Prod

(18) Avg. Daily Gas from 90-day ending w/1 - 100 days " "

(18) Line Pressure: None PSIG from Daily Report _____

(15) Oil Production: No From Completion Report _____

10-17 Does lease inventory indicate enhanced recovery being done No

10-17 Is affidavit signed? Notarized?

Does official well record with the Department confirm the submitted information? Yes

Additional Information _____ Does computer program confirm? _____

as Determination Objected to? _____ By _____

03/29/2024

PL

Date MAY 8 1980 . 1980

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

Operator's Well No. 1-1588-U
API Well No. 47 - 083 - 0308
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
NGPA Section 103

DESIGNATED AGENT UNION DRILLING, INC.
ADDRESS P.O. DRAWER 40
BUCKHANNON, W.Va. 26201

WELL OPERATOR UNION DRILLING, INC.
ADDRESS P.O. DRAWER 40
BUCKHANNON, W.Va. 26201

LOCATION: Elevation 1898'
Watershed Middle Fork River
Dist. Roaring Creek County Randolph Quad Ellamote

GAS PURCHASER COLUMBIA GAS TRANS. CORP.
ADDRESS ATTN Bili Gallager
P.O. Box 498
Washington, Pa. 15301

Gas Purchase Contract No. _____
Meter Chart Code _____
Date of Contract _____

* * * * *

Date surface drilling was begun: 3/08/80

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

$$\begin{array}{r} 4780 - \text{Well depth} \\ \times .35 - \quad \times .35 \\ \hline 1673 - \text{bottom hole pressure} \end{array}$$

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.

Joseph C. Pettey

STATE OF WEST VIRGINIA,
COUNTY OF Upshur TO WIT:

I, R. Dennis Xander, 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 8th day of May, 1980, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 8th day of May, 1980. My term of office expires on the 2nd day of February, 1986.

Robert Dennis Xander
Notary Public

[NOTARIAL SEAL]

03/29/2024