

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

OIL AND GAS WELL PERMIT APPLICATION

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

LOCATION: Elevation: 2340' 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

OIL & GAS ROYALTY OWNER Harry McMullan, Jr. Estate  
Harry McMullan, III, Agent COAL OPERATOR       
Address P.O. Box 8 Address       
Washington, NC 27889

ACREAGE 8,663 COAL OWNER(S) WITH DECLARATION ON RECORD:  
SURFACE OWNER Westvaco Name Harry McMullan, Jr. Estate  
Harry McMullan, III, Agent Address P.O. Box 8  
203 Randolph Avenue Washington, NC 27889  
Elkins, WV 26241 Name       
ACREAGE 330 Address     

FIELD SALE (IF MADE) TO:  
Name      Address       
Address     

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Robert S. Stewart  
Address P.O. Box 435  
Jane Lew, WV 26378 (884-7782)

COAL LESSEE WITH DECLARATION ON RECORD:  
Name AMAX COAL CO., 105 S. Meridean St.  
Address Indianapolis, Ind. 46225  
(and) International Coal  
% Walter W. Burton, Agent  
1426 Main Street  
Princeton, WV 24740

UDI LEASE # 765

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 April 1, 19 75, to the undersigned well operator from Harry McMullan, Jr. Estate

[If said deed, lease, or other contract has been recorded:]  
Recorded on August 29, 19 75, in the office of the Clerk of the County Commission of Randolph County, West Virginia, in O/G Book 295 at page 143. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper      / Redrill      / Fracture or stimulate XX /  
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.

**RECEIVED**

FEB 27 1980

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

OIL & GAS DIVISION  
DEPT. OF MINES

UNION DRILLING, INC. **03/29/2024**  
Well Operator

By Joseph Pettey  
Its Joseph Pettey, Production Manager

**BLANKET BOND**

[08-78]

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	Left in well		
Conductor	11 3/4"			X		20'	20'		Kinds
Fresh water									Sizes
Coal									Depths set
Intermediate	8 5/8"		20#	X		900'	900'	to surface	
Production	4 1/2"		10.5#	X		4200'	4200'	300 sks.	
Tubing									Perforations:
Liners									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 11-13-80.

Robert H. [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.

FEB 27 1980

03/29/2024

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

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

BLANKET FOR

RECLAMATION PLAN

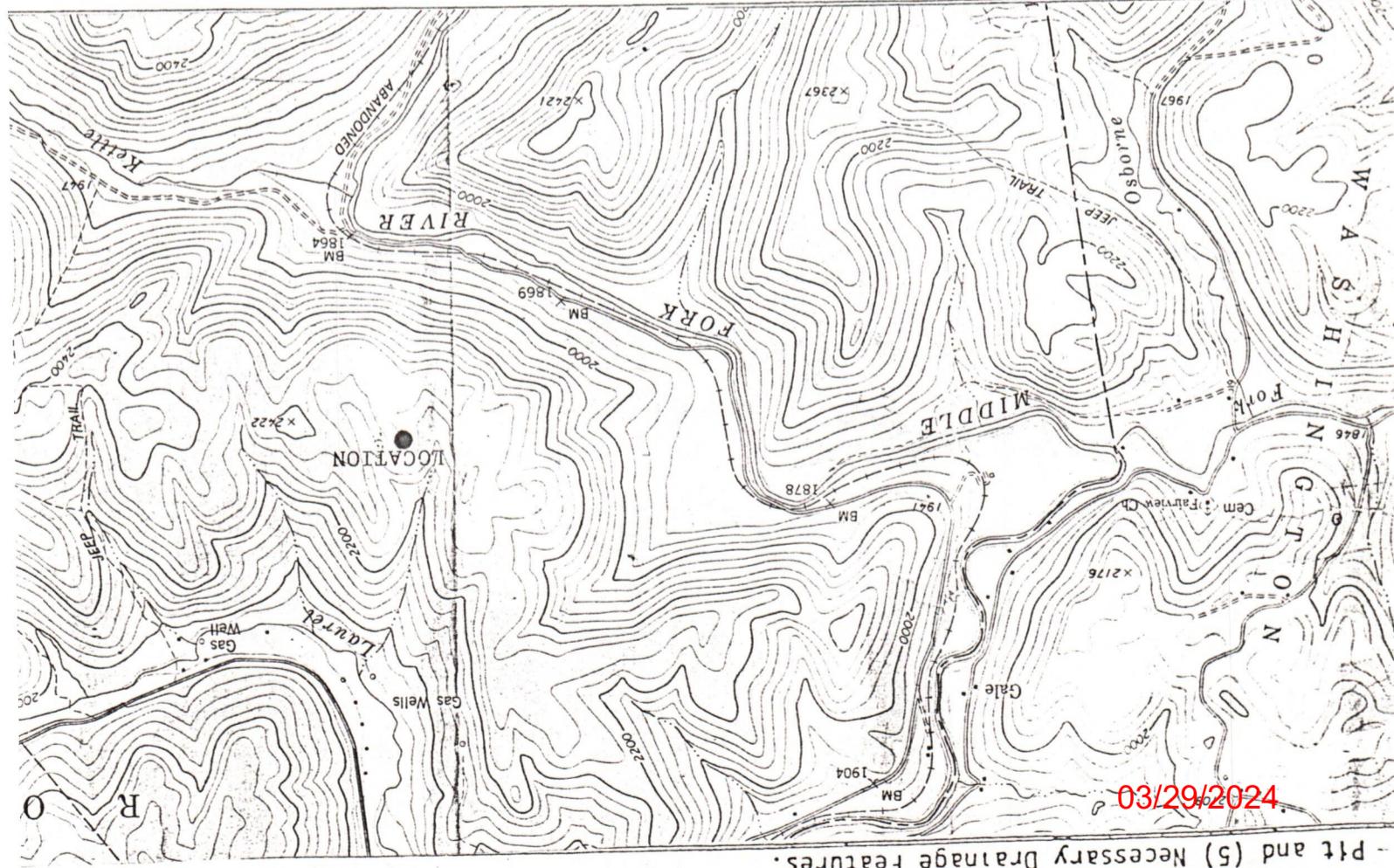
QUADRANGLE Ellamore 7.5'

WELL NO. 6-1548-II

SCALE 1" = 2000'

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

2026/2/30



COMPANY NAME Union Drilling, Inc

PERMIT NO.

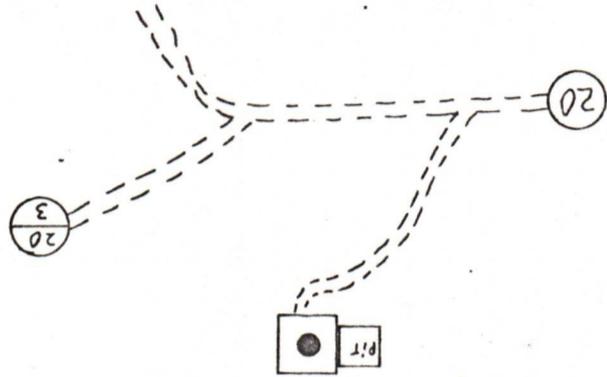
FARM Harry McMullen, Jr. Est. DISTRICT Roaring Creek

COUNTY Randolph

STATEMENT OF RECLAMATION PLAN:

Location will be ditched to disperse water without causing erosion. Road will be culverted to prevent erosion, and provide proper drainage where needed. After well is completed, surface 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.



RECEIVED FEB 27 1980

OIL & GAS DIVISION DEPT. OF MINES

This plan was observed upon between the well operator, contractor, and the district oil and gas inspector.

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

Robert S. Stewart

Title Production Manager

Date 02/26/80

"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. Petrey

Joseph C. Petrey

LAW OFFICES  
BOWLES, MCDAVID, GRAFF & LOVE

1200 COMMERCE SQUARE

P. O. BOX 1386

CHARLESTON, WEST VIRGINIA 25325

AREA CODE (304) 344-9621

COUNSEL  
DONALD O. BLAGG  
M. HARPER MAUZY  
ARTHUR G. STONE

PAUL N. BOWLES  
WILLIAM R. MCDAVID  
F. T. GRAFF, JR.  
CHARLES M. LOVE, III  
P. MICHAEL PLESKA  
ROGER W. TOMPKINS, II  
GARY G. MARKHAM  
CARL D. ANDREWS  
RICKLIN BROWN  
J. THOMAS LANE  
GERARD R. STOWERS  
P. NATHAN BOWLES, JR.  
THOMAS B. BENNETT  
SARAH E. SMITH  
RICHARD M. FRANCIS  
WILLIAM H. SCHARF  
GEORGE A. PATTERSON, III  
LEA E. ANDERSON

March 20, 1980

*[Handwritten signature]*

MAR 21 1980

OIL & GAS DIVISION  
DEPT. OF MINES

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

Gentlemen:

We represent International Coal Company, coal lessee of Neva S. McMullan (formerly Harry McMullan, Jr. Estate). We have received and reviewed the applications for drill permits filed by Union Drilling, Inc. for operator's Well Nos. 6-1548-U, 9-1551-U, 8-1550-U and 2-1554-U. International Coal Company has no objections to these locations; however, please note that future notices should be addressed to International Coal Company at 119 West Washington Street, Lewisburg, West Virginia 24901, with copies to F. T. Graff, Jr., P. O. Box 1386, Charleston, West Virginia 25325.

*Ran-310*

Yours very truly,

*[Handwritten signature of F. T. Graff, Jr.]*

F. T. Graff, Jr.

FTG/pmd

cc: International Coal Company  
Union Drilling, Inc.

03/29/2024

**AMAX** **COAL COMPANY**  
A DIVISION OF AMAX INC.

105 SOUTH MERIDIAN STREET, INDIANAPOLIS, INDIANA 46225 • [317] 266-2626

March 4, 1980

RECEIVED  
MAR 11 1980

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

OIL & GAS DIVISION  
DEPT. OF MINES

Re: Permit Application - Union Drilling, Inc.  
Operators Well #6-1548-U  
Roaring Creek District  
Randolph County, West Virginia

Dear Sirs:

The AMAX Coal Company has received notification that a permit has been issued 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. AMAX will be given at least 72 hours notice prior to plugging a dry hole or setting production string in a productive well. Please contact Mr. David Darko (317/266-2633) or Mr. James Faber (317/266-2797).
4. A complete drillers' log of the well from surface to total depth shall be sent to AMAX upon completion of the hole and a copy of such log shall be made available to any AMAX representative upon his arrival at the well site.

03/29/2024

Department of Mines  
Page Two  
March 4, 1980

5. Union Drilling, Inc. will provide AMAX with a density and natural gamma log covering the interval from total depth to 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.
6. Copies of the completion report and plugging affidavit if applicable, shall be sent to AMAX Coal Company, Attention: James W. Faber.

Sincerely,



Robert J. Reynolds,  
Senior Geologist

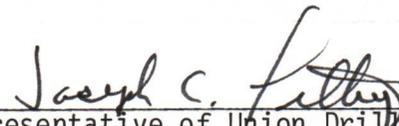
for James W. Faber, Manager  
Development Geology

RJR/mdt

Enclosures

cc: Union Drilling, Inc.  
David Darko

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

  
\_\_\_\_\_  
Representative of Union Drilling, Inc.

3-10-80  
\_\_\_\_\_  
(Date)

03/29/2024

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

2026/3/30

Producing formation ELK  
 Gas: Initial open flow, Show Mcr/d  
 Final open flow, 400 Mcr/d  
 Time of open flow between initial and final tests,      hours  
 Static rock pressure, 1400 psig (surface measurement) after 24 hours shut in

Fractured 4/21/80

Benson ——— 460 Bbls. ——— 45,000# Sand  
 Alexander & Alexander Stray ——— 475 Bbls. ——— 45,000# Sand  
 ELK ——— 690 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.
Sand			0	96	
Sand & Shale			96	107	
Sand			107	120	
Sand & Shale			120	147	
Sand			147	310	
Sand & Shale			310	461	
Coal			461	463	Coal @ 461-463'
Sand & Shale			463	773	
Red Rock & Shale			773	854	
Sand & Shale			854	1111	
Sand & Shale			1111	1130	
Little Lime			1130	1160	
Sand, Shale & Red Rock			1160	1305	
Big Lime			1305	1345	
Injun			1345	1430	
Sand & Shale			1430	3675	
Shale			3675	3680	
Benson			3680	4078	
Sand & Shale			4078	4128	
Alexander			4128	4400	
Sand & Shale			4400	4480	
Lower Alexander			4480	4845	
Sand & Shale			4845	4996	
ELK			4996	5152	
Shale			5152		

(Attach separate sheets to complete as necessary)

UNION DRILLING, INC. Well Operator  
 BY Joseph C. Petty  
 Its Joseph C. Petty, Production Manager

NOTE: Regulation 2.02(f) 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."

WELL OPERATOR'S REPORT OF  
DRILLING, REWORKING AND/OR REFINISHING, OR PHYSICAL CHANGE

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

10

Date: MAY 8 1980  
Operator's Well No. 6-1548-U  
API Well No. 47-083-0310  
State County Permit # Harry McMullan, Jr. Est. #6

WELL TYPE: Oil  Gas  Liquid Injection  Waste Disposal   
 LOCATION: (If "Gas", production) Elevation: 2340' 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

PERMITTED WORK: Drill  Convert  Drill deeper  Redrill  Plug off old formation  Performance new formation  Other physical change in well (specify) \_\_\_\_\_

PERMIT ISSUED ON February 27, 19 80  
 (IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REMORKING. VERBAL PERMISSION OBTAINED \_\_\_\_\_)

Address P.O. Box 345  
Jane Lew, WV 26378  
 Name Robert S. Stewart  
 OIL & GAS INSPECTOR FOR THIS WORK:  
 GEOLOGICAL TARGET FORMATION: Benson  
 Depth of completed well, 5152' feet  
 Rotary  Cable Tools   
 Water strata depth: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.  
 Coal seam depths: 461-463'  
 Is coal being mined in the area? No  
 Work was commenced April 3, 19 80, and completed April 9, 19 80

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	Size	Grade	Weight per ft	New	Used	For drilling	Left in well (Cubic feet)	SPECIFICATIONS		Cement fill-up	Packers
								FOOTAGE INTERVALS	CEMENT FILL-UP OR SACKS		
Conductor	11 3/4"				X		21'				
Fresh water											
Coal											
Intermediate	8 5/8"				X		997.90'	997.90'	250 sks.		
Production	4 1/2"				X		4999.70'	4999.70'	712 sks.		
Tubing											
Liners											
Top											4867/69
Bottom											3675/11 3697/99
											4105/09 4435/37
											4844/46 4857/59

OPEN FLOW DATA

Producing formation Benson Pay zone depth 3699' feet  
 Gas: Initial open flow, Show Mc/d OIL: Initial open flow, \_\_\_\_\_ Bbl/d  
 Final open flow, 300 Mc/d Final open flow, \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests, \_\_\_\_\_ hours  
 Static rock pressure, 1400 psig (surface measurement) after 24 hours shut in  
 [If applicable due to multiple completion--]

Second producing formation Alexander & Lower Alexander zone depth 4437' feet  
 Gas: Initial open flow, Show Mc/d OIL: Initial open flow, \_\_\_\_\_ Bbl/d  
 Final open flow, 300 Mc/d Final open flow, \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests, \_\_\_\_\_ hours  
 Static rock pressure, 1400 psig (surface measurement) after 24 hours shut in  
 (Continue on reverse side)

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

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APR - 7 1980

INSPECTOR'S WELL REPORT OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 083-0310

Oil or Gas Well GAS  
(KIND)

Company <u>Union DRILLING INC</u>	CASING AND TUBING	USED IN DRILLING	Left in well	PACKERS
Address <u>BUCK HANNON</u>	Size			
Farm <u>HARRY McMULLAN</u>	16			Kind of Packer
Well No. <u>6-1548-U</u>	13			
District <u>ROARING CREEK</u> County <u>RANDOLPH</u>	10			Size of
Drilling commenced <u>4-2-80</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 Ri'G-1

Remarks:  
Move Ri'G SPUD

4-2-80  
DATE

Robert St... 03/29/2024 511  
DISTRICT WELL INSPECTOR



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

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NOV 24 1980

INSPECTOR'S WELL REPORT

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

Permit No. 083-0310

Company UNION DRILLING INC  
 Address BUCK HANNON  
 Farm HARRY Mc MILLAN  
 Well No. 6-1548-U  
 District BOARING CREEK County RANDOLPH  
 Drilling commenced 4-2-80  
 Drilling completed \_\_\_\_\_ Total depth \_\_\_\_\_  
 Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_  
 Initial open flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
 Open flow after tubing \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
 Volume \_\_\_\_\_ Cu. Ft.  
 Rock pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
 Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
 Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
 Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
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 [Signature] 03/29/2024 511  
DISTRICT WELL INSPECTOR





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

<p>1.0 API well number: (If not available, leave blank. 14 digits.)</p>	<p>47-083-0310</p>				
<p>2.0 Type of determination being sought: (Use the codes found on the front of this form.)</p>	<p>103 Section of NGPA</p>	<p>N/A OIL &amp; GAS DIVISION DEPT. OF MINES</p>			
<p>3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)</p>	<p>4869' feet</p>				
<p>4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)</p>	<p>Name UNION DRILLING, INC. P.O. Drawer 40</p>		<p>019434 Seller Code</p>		
<p>Street Buckhammon,</p>		<p>WV</p>	<p>26201 Zip Code</p>		
<p>City</p>		<p>State</p>	<p>Zip Code</p>		
<p>5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)</p>	<p>Roaring Creek District</p>				
<p>(b) For OCS wells:</p>		<p>Field Name Randolph</p>		<p>WV State</p>	
<p>(c) Name and identification number of this well: (35 letters and digits maximum.)</p>		<p>Harry McMullan, Jr. Est. #6 1548</p>			
<p>(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)</p>		<p>_____</p>			
<p>6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)</p>	<p>Columbia Gas Transmission Corp.</p>		<p>004030 Buyer Code</p>		
<p>(b) Date of the contract:</p>		<p>_____</p>			
<p>(c) Estimated annual production:</p>		<p>Not in production yet MMcf.</p>			
		(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
<p>7.0 Contract price: (As of filing date. Complete to 3 decimal places.)</p>		<p>2.221</p>	<p>_____</p>	<p>_____</p>	<p>2.221</p>
<p>8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)</p>		<p>2.221</p>	<p>_____</p>	<p>_____</p>	<p>2.221</p>
<p>9.0 Person responsible for this application:</p>		<p>Joseph C. Petty      Production Manager</p>			
<p>Agency Use Only</p>		<p>Name</p>			
<p>Date Received by Juris: Agency</p>		<p>Signature <i>Joseph C. Petty</i></p>			
<p>MAY 13 1980</p>		<p>May 8, 1980      (304) 472-4610</p>			
<p>Date Received by FERC</p>		<p>Date Application is Completed      Phone Number</p>			

FT7900806/2-2

03/29/2024

WELL NUMBER:

WELL NUMBER: Union Drilling, Inc.

01943

FIRST PURCHASER: Columbia Gas Trans. Corp.

00403

OTHER:

Computer OK.

CK. map

0830300 - 1700  
0830301 - 2000'  
0830142 - 1800'

Qualified J. H. Huzzey

U.S. Department of Mines, Oil & Gas Division  
WELL DETERMINATION FILE NUMBER

800513-103-083-0310

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

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC-121  Items not completed - Item No. \_\_\_\_\_
- 2. IV-1 Agent H.R. Ranson
- 3. IV-2 Well Permit
- 4. IV-6 Well Plat
- 5. IV-35 Well Record  Drilling  Reserving \_\_\_\_\_
- 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. IV Form 13 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Completed?
- 11. Other: Survey \_\_\_\_\_ Maps \_\_\_\_\_ Geological Charts \_\_\_\_\_
- Structure Map \_\_\_\_\_ Section Map \_\_\_\_\_ Well Connections \_\_\_\_\_
- Gas Analyses \_\_\_\_\_
- (15) Date commenced: \_\_\_\_\_ Date completed: \_\_\_\_\_ Reserved \_\_\_\_\_
- (16) Production Depths: 3699; 4437
- (17) Production Formations: Benson; Alexander
- (18) Final Open Flow: 300 mcf/d
- (19) Other Test. P.P. 1400 #
- (20) Other Gas Tests: \_\_\_\_\_
- (21) Avg. Daily Gas from Annual Production: No Prod
- (22) Avg. Daily Gas from 90-day ending w/1 - 100 days: " 14
- (23) Line Pressure: None (SIC from Daily Rep) 03/29/2024
- (24) Oil Production: No From Completion Report \_\_\_\_\_
- (25) Does lease inventory indicate enhanced recovery being done? No
- (26) Is affidavit signed?  \_\_\_\_\_
- (27) Does official well record with the Department confirm the submitted information? Yes
- (28) Does computer program confirm? PL

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

Operator's Well No. 6-1548-4  
API Well No. 47 - 083 - 0310  
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 2340'  
Watershed Middle Fork River  
Dist Roaring Creek County Randolph Quad Ellamore

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

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

\* \* \* \* \*

Date surface drilling was begun: 4/03/80

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

5152' — Total Depth  
X.35 — X.35  
1803 — bottom hole pressure

AFFIDAVIT

I, Joseph C. Petty, 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. Petty

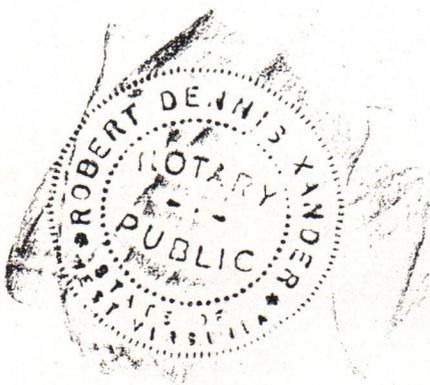
STATE OF WEST VIRGINIA.

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. Petty, 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