



1) Date: February 15, 1984
 2) Operator's Well No. 2042
 3) API Well No. 47 - 023 - 0008
 State County Permit

TO BE HELD CONFIDENTIAL

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas / B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 2611.21' Watershed: North Fork of Lunice Creek
 District: Union County: Grant Quadrangle: Greenland Gap
- 6) WELL OPERATOR Union Drilling, Inc. Address: Post Office Drawer 40, Buckhannon, WV 26201
- 7) DESIGNATED AGENT Joseph C. Vanzant, Jr. Address: Post Office Drawer 40, Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Phillip Tracy, Forest Festival Terrace, Apt. #24, Elkins, WV 26241
- 9) DRILLING CONTRACTOR: Union Drilling, Inc. Address: Post Office Drawer 40, Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate / Plug off old formation / Perforate new formation / Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Oriskany
- 12) Estimated depth of completed well, 9500 feet
- 13) Approximate strata depths: Fresh, ? feet; salt, ? feet.
- 14) Approximate coal seam depths: ? Is coal being mined in the area? Yes / No
- 15) 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	13-3/8		54	X		300'	300'	CTS	Kinds
Fresh water									
Coal									Sizes
Intermediate	9-5/8		42 1/2	X		3500'	3500'	CTS	
Production	5-1/2 J		20	X		9500'	9500'	600 sks	Depths set <i>OL AS Reg by Rule 15.01</i>
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-023-0008

February 23, 1984
 Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires February 23, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <i>BB</i>	Agent: <i>OK</i>	Plat: <i>AS</i>	Casing: <i>AS</i>	Fee: 014519
-----------------	------------------	-----------------	-------------------	-------------

T. J. ...
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.



STATE OF WEST VIRGINIA

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) WELL OPERATOR: POST OFFICE BOX 40
 2) LOCATION: POST OFFICE BOX 40
 3) PROPOSED WELL WORK: Drill 2 1/2" hole to 200'
 4) DRILLING CONTRACTOR: POST OFFICE BOX 40
 5) DESIGNATED AGENT: POST OFFICE BOX 40
 6) APPROXIMATE COAL SAM DEPTHS: 200'
 7) APPROXIMATE LATE DEPTHS: 200'
 8) ESTIMATED DEPTH OF COMPLETED WELL: 200'
 9) GEOLOGICAL TARGET FORMATION: 200'
 10) IS COAL BEING MINED IN THE AREA? Yes

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

Date	Date(s)
------	---------

Application received

Follow-up inspection(s)

Well work started

Completion of the drilling process

Well Record received

Reclamation completed

OTHER INSPECTIONS

Reason:

Reason:

Post	Agmt	Blwy	Design	Rec
------	------	------	--------	-----

NOTE: Keep one copy of this permit posted at the drilling location.

1) Date: February 15, 1984
2) Operator's Well No. 2042
3) API Well No. 47-023-0008
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

- (i) Name Dorothy E. Shreve
Address Route 3, Box 240
Maysville, WV 26833
- (ii) Name _____
Address _____
- (iii) Name _____
Address _____

5(i) COAL OPERATOR
Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD
Name Dorothy E. Shreve
Address Route 3, Box 240
Maysville, WV 26833

Name _____
Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

6) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
- The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No **XX**

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

Joseph C. Pettey
this 15 day of February, 1984.

My commission expires 12-19, 1991.

Notary Public, Upshur County, State of West Virginia

WELL OPERATOR Union Drilling, Inc.

By Joseph C. Pettey
Its Vice President of Production
Address Post Office Drawer 40
Buckhannon, WV 26201
Telephone 304-472-4610

09/08/2023

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book Page</u>
Dorothy E. Shreve	Columbia Gas Transmission	1/8	128/516
Columbia Gas Transmission	Delta Drilling, Inc.		134/404
Columbia Gas Transmission	Sun Exploration and Prod.		135/801
Delta Drilling, Inc.	Union Drilling, Inc.		unrecorded farmout

IV-9
(Rev 8-81)

RECEIVED
Date 2-16-84
BY PVSC District



State of West Virginia
Department of Mines
Oil and Gas Division

DATE 2-14-84
WELL NO. 2042
API NO. 47-023-0008

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Union Drilling, Inc. DESIGNATED AGENT Joseph C. Vanzant, Jr.
Address P. O. Drawer 40, Buckhannon, WV Address P. O. Drawer 40, Buckhannon, WV 262
Telephone 472-4610 Telephone 472-4610
LANDOWNER Dorothy E. Shreve SOIL CONS. DISTRICT Potomac Valley S.C.D.
Revegetation to be carried out by Union Drilling, Inc. (Agent)

This plan has been reviewed by Patomac Valley SCD. All corrections and additions become a part of this plan: 2-22-84

(Date)
John H. Wagoner
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Culvert Pipe (12" Min) (A)
Spacing At Natural Drains
Page Ref. Manual _____
Structure Cross Drains (B)
Spacing 250' +/-
Page Ref. Manual _____
Structure Roadway Ditch (C)
Spacing _____
Page Ref. Manual _____

Structure Diversion (1)
Material Earthen
Page Ref. Manual _____
Structure _____ (2)
Material _____
Page Ref. Manual _____
Structure _____ (3)
Material _____
Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

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 30 lbs/acre
Birdsfoot 10 lbs/acre
Domestic Rye 10 lbs/acre

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 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.

PLAN PREPARED BY Danny O'... 09/08/2023

ADDRESS P. O. Drawer 40, Buckhannon, WV 26201

PHONE NO. (304) 472-4610

NOTES: Please request landowner's cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

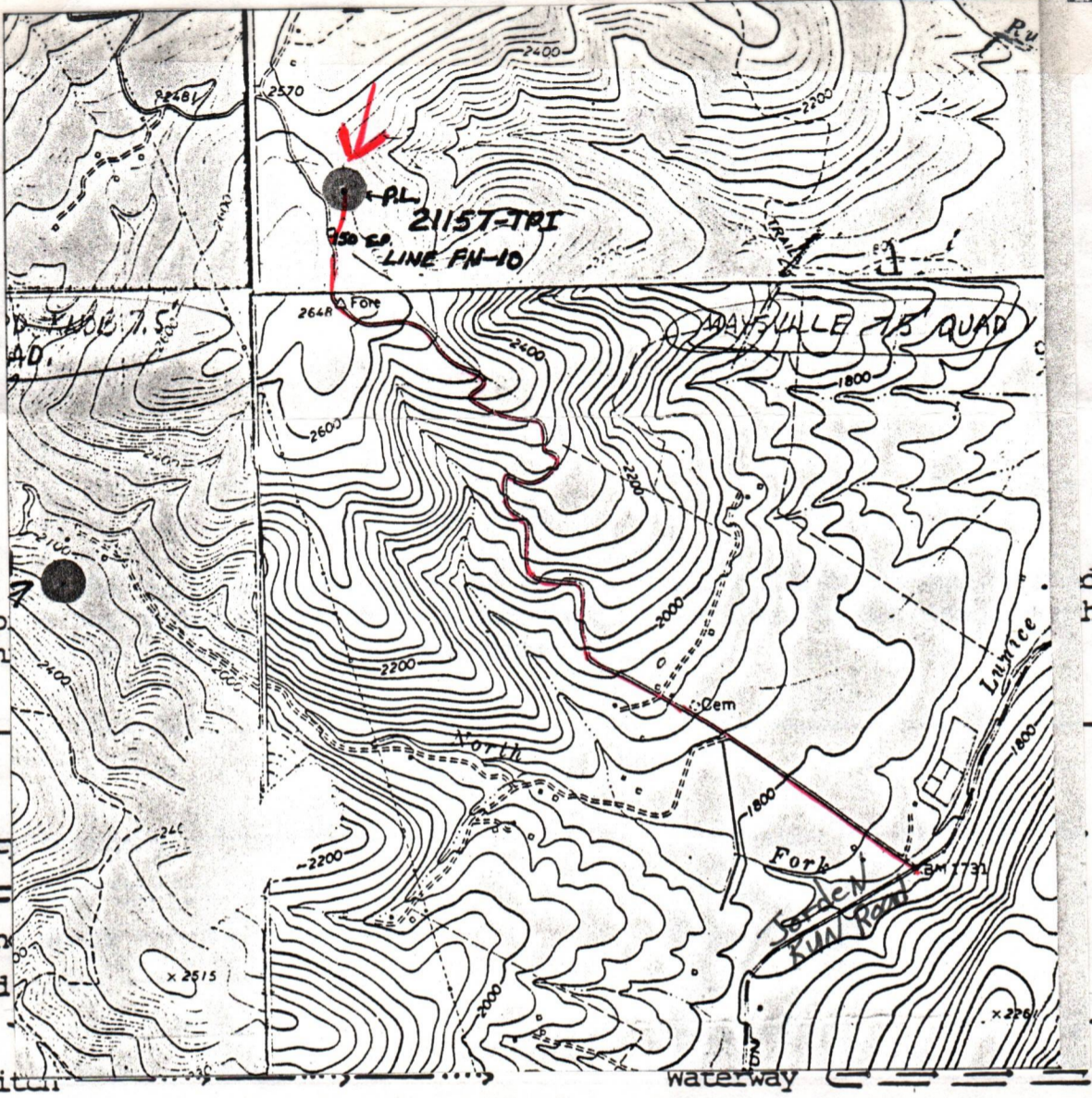
ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

QUADRANT Greenland Gap 7.5

LEGEND

Well Site ⊕

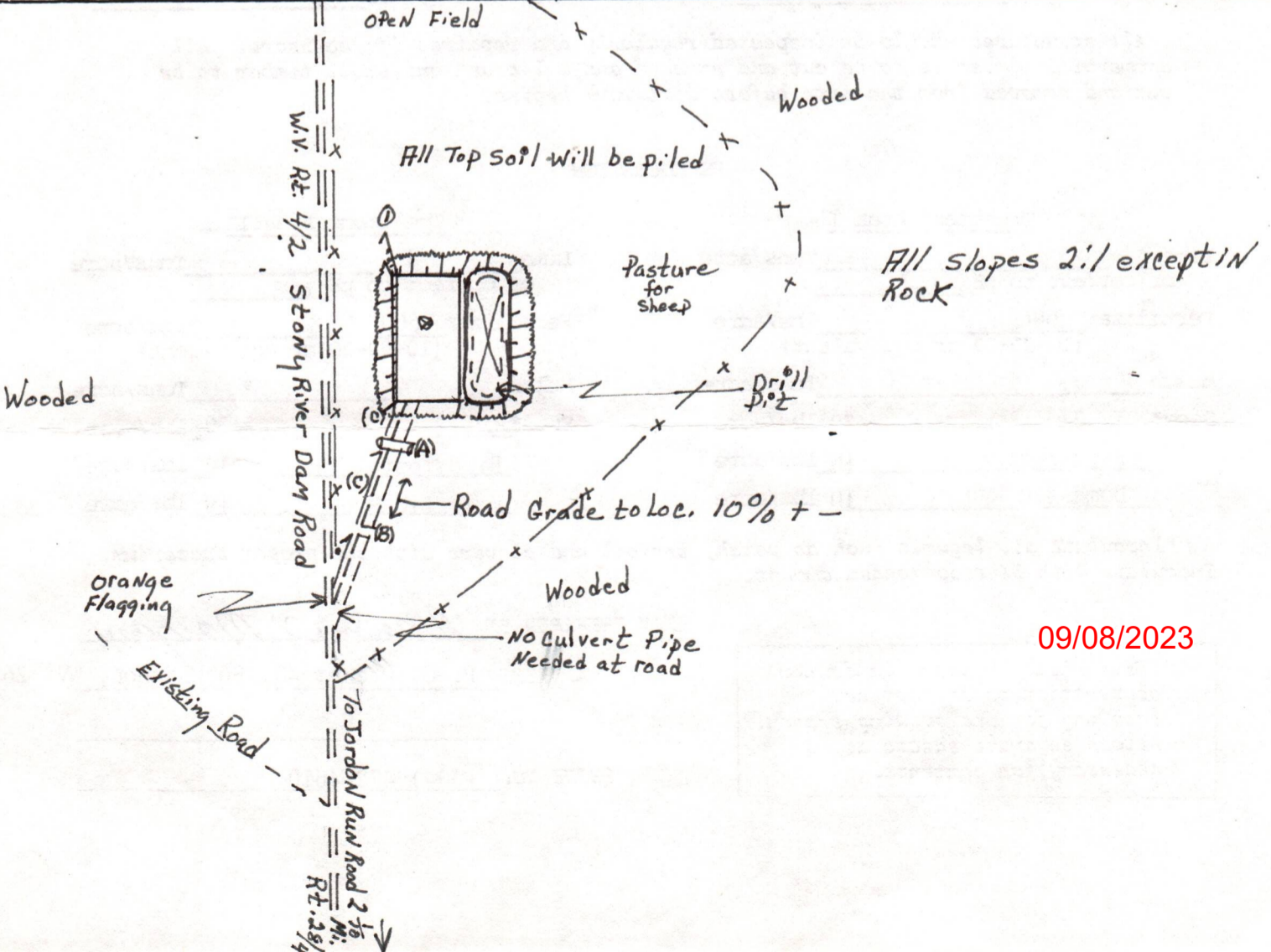
Access Road ———



Sketch to drilling part of the

d, wellsite, h the first

- Property
- Road =
- Existing
- Planned
- Stream
- Open ditch



09/08/2023



STATE OF WEST VIRGINIA
 OIL AND GAS CONSERVATION COMMISSION
 CHARLESTON 25305

February 23, 1984

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

RE: APPLICATION FOR PERMIT #47- 023 - 0008 TO DRILL DEEP WELL
 COMPANY: UNION DRILLING, INC.
 FARM: DOROTHY E. SHREVE
 COUNTY: GRANT DISTRICT: UNION

The application of the above company is APPROVED FOR ORISKANY COMPLETION
 (APPROVED - DISAPPROVED)

Applicant HAS HAS - HAS NOT complied with the provisions of Chapter twenty-two, four-A (§22-4A), of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission, as follows:

1. *Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners;* Yes
2. *Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of the deep well, well name, and the name and address of the operator, and,* None
3. *Provided a plat showing that the proposed location is a distance of 400+ feet from the nearest unit boundary and showing the following wells drilling to or capable of producing from the objective formation within 3,000 feet of the proposed location:* None

Very truly yours,

Brett Loflin
 Petroleum Engineer

P 534 410 975

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1983-403-517

PS Form 3800, Feb. 1982

Sent to Dorothy E. Shreve	
Street and No. Route 3, Box 240	
P.O., State and ZIP Code Maysville, WV 26833	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	<input checked="" type="checkbox"/>
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 1.72
Postmark or Date	FEB 23 1984 WV

09/08/2023

IV-35
(Rev 8-81)

RECEIVED

OCT 24 1984

OIL & GAS DIVISION
DEPT. OF MINES



State of West Virginia
Department of Mines
Oil and Gas Division

Date August 20, 1984
Operator's
Well No. 2042
Farm Dorothy Shreve #1
API No. 47 - 023 - 0008

(CONFIDENTIAL WELL)

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

till
5-20-84

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

LOCATION: Elevation: 2611.21 Watershed North Fork of Lunice Creek
District: Union County Grant Quadrangle Greenland Gap

COMPANY Union Drilling, Inc.
ADDRESS P. O. Drawer 40, Buckhannon, WV 26201
DESIGNATED AGENT Joseph C. Vanzant, Jr.
ADDRESS P. O. Drawer 40, Buckhannon, WV 26201
SURFACE OWNER Dorothy E. Shreve
ADDRESS Rt. #3, Box 240, Maysville, WV 26833
MINERAL RIGHTS OWNER Dorothy E. Shreve
ADDRESS Rt. #3, Box 240, Maysville, WV 26833
OIL AND GAS INSPECTOR FOR THIS WORK
Forest Festival Ter. #24
Phillip Tracy ADDRESS Elkins, WV 26241
PERMIT ISSUED Feb. 23, 1984
DRILLING COMMENCED 03/19/84
DRILLING COMPLETED 05/20/84

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.			
13-10"	38'	38'	
9 5/8	3602.45'	3602.45'	1950 cf.
8 5/8			
7			
5 1/2		8399.85'	670 cf.
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany Depth 8392 feet
Depth of completed well 8392 feet Rotary x / Cable Tools ___
Water strata depth: Fresh 110' feet; Salt ___ feet
Coal seam depths: None Is coal being mined in the area? ___

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth 8125/8166 feet
Gas: Initial open flow show Mcf/d Oil: Initial open flow None Bbl/d
Final open flow 1,205 Mcf/d Final open flow ___ Bbl/d
Time of open flow between initial and final tests ? hours
Static rock pressure 3200 psig (surface measurement) after 10 hours shut in
(If applicable due to multiple completion--)
Second producing formation ___ Pay zone depth 09/08/2023 feet
Gas: Initial open flow ___ Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow ___ Mcf/d Oil: Final open flow ___ Bbl/d
Time of open flow between initial and final tests ___ hours
Static rock pressure ___ psig (surface measurement) after ___ hours shut in

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.
Well perforated only at 8125/26, 8141/44, 8152/54, 8159/61, 8163/66 for a total of 16 holes.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sands and Shale			0	7763	Wet at 110'
Purcell Limestone			7763	7830	
Lower Marcellus			7830	7881	
Tioga Bentonite			7881	7890	
Needmore Shale			7890	8031	
Oriskany Sandstone			8031	8226	
Helderberg Limestone			8226	8392	Total Depth

(Attach separate sheets as necessary)

UNION DRILLING, INC.

Well Operator

By: Joseph C. Pettey 09/08/2023
Date: 08/20/84 Joseph C. Pettey, Vice President of Production

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including all, encountered in the drilling of a well."

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

RECEIVED
MAY 23 1984

INSPECTOR'S WELL REPORT

Permit No. 23-0008

OIL & GAS DIVISION
DEPT. OF MINES
(KIND)

Company Union Drilling
 Address _____
 Farm Dorthy Shreve
 Well No. 2042
 District Union County Grant
 Drilling commenced _____
 Drilling completed _____ Total depth 7700
 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 3/8			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: _____

5-15-84
DATE

Phillip Tracy
INSPECTOR
06/08/2023

FORM 20
2/16/82

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: _____

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

DISTRICT WELL INSPECTOR 09/08/2023

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

RECEIVED

APR 25 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES
Oil or Gas Well (KIND)

Permit No. 23-0008

Company Union Drilling

Address _____

Farm Partly Shaver

Well No. 2042

District Union County Grant

Drilling commenced _____

Drilling completed _____ Total depth 3635

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 3/8			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: Logging hole getting ready to run 9 7/8

4-16-84
DATE

Philip Tracy 09/08/2023
DISTRICT WELL INSPECTOR

Form 20
2/16/82

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:

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

DISTRICT WELL INSPECTOR
09/08/2023

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

RECEIVED
AUG - 3 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 023-0008

Oil or Gas Well _____
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Union Drilling</u>	Size			
Address _____	16			Kind of Packer _____
Farm <u>D. Shreve -</u>	13			
Well No. <u>2042</u>	10			Size of _____
District <u>Union</u> County <u>GRANT</u>	8 1/4			
Drilling commenced _____	6 5/8			Depth set _____
Drilling completed _____ Total depth _____	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top _____
Volume _____ Cu. Ft.				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 _____

Remarks: Check Rec - pits open - Treater Set. -
NO Rec work done

Beard & Tracy

RG Beard

7/31/84

DATE

09/08/2023

DISTRICT WELL INSPECTOR

Form 26
2/16/82

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			Packer				
Location		Amount	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
09/08/2023

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

RECEIVED
SEP 14 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 023-0008

Oil or Gas Well _____
(KIND)

Company	Address	Farm	Well No.	District	County	Drilling commenced	Drilling completed	Date shot	Initial open flow	Open flow after tubing	Volume	Rock pressure	Oil	Fresh water	Salt water	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
																Size			Kind of Packer
<u>Union Drilling</u>		<u>Shawc</u>	<u>2042</u>		<u>GRANT</u>											16			
																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: Checked Reclamation! - Finish graded, were preparing to seed today. Changed ~~one~~ one diversion ditch -

9/14/84
DATE

RG Beall-501
09/08/2023
DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

09/08/2023



RECEIVED

NOV 19 1984

State of West Virginia

Department of Mines

OIL & GAS DIVISION

Oil and Gas Division

DEPT. OF MINES

Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

COMPANY Union Drilling Inc
Buchanan W. V

PERMIT NO 023-0008

FARM & WELL NO Shreve/2042

DIST. & COUNTY Union Grant

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	_____	_____
25.04	Prepared before Drilling to Prevent Waste	_____	_____
25.03	High-Pressure Drilling	_____	_____
16.01	Required Permits at Wellsite	_____	_____
15.03	Adequate Fresh Water Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement Strenght	_____	_____
15.05	Cement Type	_____	_____
23.02	Maintained Access Roads	<u> L </u>	_____
25.01	Necessary Equipment to Prevent Waste	<u> L </u>	_____
23.04	Reclaimed Drilling Pits	<u> L </u>	_____
23.05	No Surface or Underground Pollution	<u> L </u>	_____
23.07	Requirements for Production & Gathering Pipelines	<u> L </u>	_____
16.01	Well Records on Site	_____	_____
16.02	Well Records Filed	_____	_____
7.05	Identification Markings	<u> L </u>	_____

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Randy R. Ellis

DATE 11-16-84

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

T. L. ...
Administrator-Oil & Gas Division

May 28, 1985

DATE

FARMOUT AGREEMENT
Grant County, West Virginia

This Farmout Agreement, made and entered into this 16 day of JANUARY, 1984, between DELTA DRILLING COMPANY, hereinafter called "Delta", and UNION DRILLING, INC., hereinafter called "Union", shall evidence the right of Union to earn from Delta an assignment of an interest in the leases described in Exhibit "A" attached hereto, subject to the following terms, conditions and obligations:

I. Farmout Acreage

This Farmout Agreement covers and includes the Oil and Gas Leases, hereinafter referred to as "Leases", described in Exhibit "A" attached hereto and incorporated herein, insofar and only insofar as said Leases cover the lands within the three 640 acre drilling units outlined on the plat attached hereto as Exhibit "B", all located in Grant County, West Virginia, and insofar and only insofar as said Leases cover the rights down to 100 feet below the Oriskany Sandstone Formation, hereinafter referred to as the "Farmout Acreage".

Delta represents without warranty, expressed or implied, that Delta is the present owner of an undivided 25% working interest in said Leases. Union, at its sole cost, risk and expense, agrees to conduct such title examination and to secure such curative matter as is necessary to satisfy itself that title is acceptable to Union. If Union conducts any title examination, Union shall furnish Delta copies of any title opinions rendered and any curative data obtained. Further, if Union conducts any surveys of the lands covered by the Leases, it shall furnish Delta a copy of the plat and field notes of such survey.

II. Test Well

On or before one year from the date hereof, Union shall commence actual drilling of a well, hereinafter referred to as "Test Well", for oil and/or gas at a legal location on a 640 acre unit of its choice within the Farmout Acreage, and shall thereafter continue the drilling thereof with due diligence and in a good and workmanlike manner to a depth sufficient to test the Oriskany Sandstone Formation, hereinafter referred to as "Objective Depth"; and subject to the provisions of Article IV below, Union shall complete said well as a producer of oil and/or gas, or plug and abandon same within 90 days of the commencement date thereof; provided, however, if Union fails to commence the actual drilling of a well prior to July 1, 1984, then prior to the commencement of drilling operations within the period stated above, Union shall give Delta written notice of the proposed operation, specifying the location, proposed depth, and estimated cost of the operation, and Delta shall have 30 days after receipt

6
09/08/2023

09/08/2023

drilling of a subsequent well within which to elect either (i) to participate in such well as a working interest owner up to a one third (1/3) working interest, proportionately reduced to a 8.33% working interest, or (ii) to retain the identical interests and rights as are provided under Article V(a) above with respect to the Earning Well assignment. Delta's failure to reply within the period fixed above shall evidence its election not to participate in the cost of the proposed operation.

VII. Rentals

Delta shall pay all rentals provided for in the Leases accruing on or before Delta's assignment of interest in any such Leases herein provided for, but shall not be liable to Union for any unintentional or inadvertent error or failure with respect to such payments, and Delta shall notify Union of the payment of such rentals and Union agrees to reimburse Delta 100% thereof for rentals due after the date hereof. Rentals accruing after any assignment by Delta shall be the responsibility, both economic and ministerial, of Union and shall be governed by the terms and provisions of the relevant assignments and lease operating agreements.

VIII. Royalties and Other Payments

When production is established, Union agrees to use its best efforts to pay all royalties, overriding royalties, shut-in gas well royalties, and other payments as may be due and payable under the terms and provisions of the leases applicable to the Farmout Acreage at Union's sole cost.

IX. Geological Information

Union shall give Delta's representatives access to all the wells drilled under the provisions hereof, including the derrick floor, at all reasonable hours, at Delta's sole cost, risk and expense; and Union shall provide Delta with all logs, reports, samples, test results, etc., as provided for in Exhibit "D" attached hereto, and Union shall conduct all tests, surveys, etc., provided for therein.

X. Renewal of Leases

Union, at its option, may renew any leasehold interest expiring or terminating by its terms or by reason of any inadvertent failure, and such renewal or extension shall be at the sole cost of Union, but shall be subject to the terms and conditions of this Agreement. When any such renewal or extension of a lease is placed in any unit surrounding any well drilled hereunder, Union agrees to assign to Delta Delta's reserved rights and Delta's overriding royalty interest and/or working interest as provided under Article V, above.

XI. Costs, Expenses and Liabilities

Unless otherwise provided for herein, the entire cost, risk and expense of the drilling, completing, equipping, producing, plugging and abandoning of each and every well, and any other operations, provided for under the provisions hereof, shall be borne by Union, including, but not limited to, any claim, demand, action, cause of action, judgment, expenses of investigation or litigation for injury to or loss or destruction of property or resources or for injury to or death of any person arising out of or in connection with the drilling, testing, completing, equipping, plugging or abandoning of any well hereunder, or any other operations conducted under the terms hereof, whether through any act of negligence or omission of a party hereto or otherwise. Union agrees to reimburse, indemnify, save and hold each Delta harmless from and against any and all liabilities, losses, costs, expenses, damages, liens, actions, causes of actions or claims in connection with the drilling, testing, completing, equipping, plugging or abandoning of any well hereunder, except such operations as Delta may participate in as a working interest owner.

XII. Insurance

Union shall secure and maintain during the term of this Agreement insurance to cover Union's operations on the Farmout Acreage covered by this Agreement as follows:

- (a) Worker's Compensation Insurance in accordance with the requirements of the laws of the State of West Virginia, and Employer's Liability Insurance with limitation of not less than \$100,000.00, for each accident.
- (b) Comprehensive General Liability Insurance with a single combined limit of \$500,000.00 for each accident for bodily injuries or death and property damage.
- (c) Comprehensive Automobile Public Liability and Property Damage Insurance with a single combined limit of \$500,000.00 for each accident for bodily injuries or death and property damage.

Union shall also require Union's contractors and subcontractors working or performing services on the Farmout Acreage to comply with Worker's Compensation Laws of the State of West Virginia and to carry other insurance and in such amounts as Union deems necessary.

XIII. Internal Revenue Code

This Agreement is not intended to create, and shall not be construed to create, a relationship of partnership or an association for profit between or among the parties hereto. Notwithstanding any provisions herein that the rights and liabilities hereunder are several and not joint or collective, or that this Agreement and operations hereunder shall not constitute a partnership, if, for Federal income tax purposes, this Agreement and the operations hereunder are regarded as a partnership, each party hereby affected elects to be excluded from the application of all of the provisions of Subchapter "K", Chapter 1, Subtitle "A", of the Internal Revenue Code of 1954, as permitted and authorized by Section 761 of the Code and the regulations promulgated thereunder. Operator is authorized and directed to execute on behalf of each party hereby affected such evidence of this election as may be required by the Secretary of the Treasury of the United States or the Federal Internal Revenue Service, including specifically, but not by way of limitation, all of the returns, statements, and the data required by Federal Regulations 1.761. Should there be any requirement that each party hereby affected give further evidence of this election, each such party shall execute such documents and furnish such other evidence as may be required by the Federal Internal Revenue Service or as may be necessary to evidence this election. No such party shall give any notices or take any other action inconsistent with the election made hereby. If any present or future income tax laws of the state or states in which the Contract Area is located or any future income tax laws of the United States contain provisions similar to those in Subchapter "K", Chapter 1, Subtitle "A", of the Internal Revenue Code of 1954, under which an election similar to that provided by Section 761 of the Code is permitted, each party hereby affected shall make such election as may be permitted or required by such laws. In making the foregoing election, each such party states that the income derived by such party from Operations hereunder can be adequately determined without the computation of partnership taxable income.

XIV. Notices

All notices and reports authorized or required between the parties and required by any provisions of this Agreement shall, unless otherwise specifically provided, be addressed to the party to whom the notice is given at the addresses shown below:

Delta Drilling Company
200 Fleet Street, Suite 4005
Pittsburgh, PA 15220
Attention: Exploration Manager

Union Drilling, Inc.
Drawer 40
Buckhannon, WV 26201
Attention:

XV. Effect of Non-Performance by Union

The sole liability of Union for failure to commence, or drill, the Test Well referred to herein, or any subsequent development wells, shall be the loss by Union of any rights that might be earned by the drilling of such well.

The terms and provisions of this Agreement are subject to the terms and conditions of that certain Agreement between Columbia Gas Transmission Corporation and Delta Drilling Company dated October 8, 1980, and Letter Agreement dated December 15, 1980, and it is subject to the approval of Columbia Gas Transmission Corporation and Sunmark Exploration Company.

The terms and provisions of this Agreement shall extend to and be binding upon the parties hereto, their heirs, successors and assigns.

This instrument may be executed in one document, signed by all parties, or in separate documents, each binding on the party or parties who execute the same, which shall be counterparts thereof; all of the subject counterparts, when executed by one or more parties, shall constitute one and the same instrument.

If the above provisions correctly set forth the terms of our agreement, please sign in the space provided below and return one executed copy for our files.

DELTA DRILLING COMPANY

By:

Carl E. Bartlett
EXECUTIVE VICE PRESIDENT

UNION DRILLING, INC.

By:

Thomas S. Dunn
Its President

EXHIBIT "A"

1. WV-970 - Oil and Gas Lease dated March 15, 1980, recorded in Book 129, Page 66, Grant County, West Virginia, executed by Jack R. Ours, et al., as Lessors, to Norman L. Botkin, as Lessee, covering 180 acres, more or less, out of Union District, as more particularly described therein.
2. WV-971 - Oil and Gas Lease dated March 15, 1980, recorded in Book 129, Page 68, Grant County, West Virginia, executed by Juanita R. Goldizen, widow, as Lessor, to Columbia Gas Transmission Corporation, as Lessee, covering 165 acres, more or less, out of Union District, as more particularly described therein.
3. WV-980 - Oil and Gas Lease dated March 15, 1980, recorded in Book 128, Page 832, Grant County, West Virginia, executed by E. L. Haslacker and Eliza Haslacker, his wife, as Lessors, to Columbia Gas Transmission Corporation, as Lessee, covering 363.72 acres, more or less, out of Union District, as more particularly described therein.
4. WV-920 - Oil and Gas Lease dated March 15, 1980, recorded in Book 128, Page 516, Grant County, West Virginia, executed by Dorothy E. Shreve, widow, as Lessor, to Columbia Gas Transmission Corporation, as Lessee, covering 540.5 acres, more or less, out of Union District, as more particularly described therein.
5. WV-990 - Oil and Gas Lease dated March 15, 1980, recorded in Book 129, Page 84, Grant County, West Virginia, executed by Charles L. Shreve and Edith V. Shreve, his wife, as Lessors, to Columbia Gas Transmission Corporation, as Lessee, covering 114.20 acres, more or less, out of Union District, as more particularly described therein.
6. WV-984 - Oil and Gas Lease dated June 8, 1976, recorded in Book 114, Page 107, Grant County, West Virginia, executed by Ronald Hawk and Valeria Jean Hawk, his wife, as Lessors, to Norman L. Botkin, as Lessee, covering 357.1 acres, more or less, out of Union District, as more particularly described therein.
7. WV-979 - Oil and Gas Lease dated March 15, 1980, recorded in Book 128, Page 828, Grant County, West Virginia, executed by Ruth Becker Halterman, widow, as Lessor, to Columbia Gas Transmission Corporation, as Lessee, covering 75 acres, more or less, out of Union District, as more particularly described therein.
8. WV-996 - Oil and Gas Lease dated March 15, 1980, recorded in Book 128, Page 844, Grant County, West Virginia, executed by Ruth Becker Halterman, widow, as Lessor, to Columbia Gas Transmission Corporation, as Lessee, covering 75 acres, more or less, out of Union District, as more particularly described therein.
9. WV-1006 - Oil and Gas Lease dated June 30, 1976, recorded in Book 114, Page 524, Grant County, West Virginia, executed by David C. Nellis and Ruth Ann Nellis, his wife, as Lessors, to Norman L. Botkin, as Lessee, covering 114.0 acres, more or less, out of Union District, as more particularly described therein.
10. WV-921 - Oil and Gas Lease dated March 15, 1980, recorded in Book 129, Page 48, Grant County, West Virginia, executed by Carl J. Hipp, attorney-in-fact for Vernis C. Hipp, as Lessor, to Columbia Gas Transmission Corporation, as Lessee, covering 349.00 acres, more or less, out of Union District, as more particularly described therein.
11. WV-924 - Oil and Gas Lease dated March 15, 1980, recorded in Book 128, Page 528, Grant County, West Virginia, executed by William G. Bosley and Edith K. Bosley, his wife, as Lessors, to Columbia Gas Transmission Corporation, as Lessee, covering 582.7 acres, more or less, out of Union District, as more particularly described therein.

09/08/2023



EXHIBIT "C"

ASSIGNMENT

THE STATE OF WEST VIRGINIA §
 § KNOW ALL MEN BY THESE PRESENTS:
COUNTY OF GRANT §

That the undersigned, DELTA DRILLING COMPANY, 200 Fleet Street, Suite 4005, Pittsburgh, Pennsylvania 15220, hereinafter called "Assignor", for and in consideration of the sum of TEN AND NO/100 (\$10.00) DOLLARS and other valuable consideration, the receipt of which is hereby acknowledged, does hereby bargain, sell, assign and convey to UNION DRILLING, INC., Drawer 40, Buckhannon, West Virginia 26201, hereinafter called "Assignee", subject to the reservations set forth below, the Oil and Gas Leases, and leasehold estates created thereby, described in Exhibit "A" attached hereto and incorporated herein for all purposes, covering the lands described and referred to therein, all located in Grant County, West Virginia.

Assignor expressly excepts from this Assignment and reserves unto Assignor, Assignor's heirs, successors and assigns, as follows:

- (a) all rights below a depth of 100 feet below the Oriskany Sandstone Formation, together with all rights of ingress and egress to explore for, develop, and operate such reserved rights;
- (b) as an overriding royalty, 1/16 of 8/8.

The overriding royalty interest reserved herein by Assignor shall be free and clear of all costs and expenses incident to drilling, testing, operating or maintaining said leases and shall be free and clear of all charges except for its proportionate part of any gross production, severance, ad valorem, excise or other tax levied or assessed upon such overriding royalty interest or upon the production attributable thereto.

In the event any lease assigned herein covers less than the mineral fee estate in the land covered thereby, or in the event Assignor owns less than the entire interest in such lease, the overriding royalty interests provided for above shall be proportionately reduced.

09/08/2023

Assignor does hereby grant, assign and convey unto Assignee, its representatives, successors and assigns, the right and option, without the further consent or joinder of Assignor, to unitize, combine and pool the leases described in Exhibit "A" hereto, and the overriding royalty interest described and reserved herein, with other lands or leases, on the same terms and conditions as such pooling or unitization is permitted under the terms of such leases as such leases may have been, or may be, amended.

This Assignment is subject to the terms and provisions of the Farmout Agreement between Assignor and Assignee dated _____.

TO HAVE AND TO HOLD the interest herein conveyed to Assignee, its representatives, successors and assigns, provided, however, that this Assignment is executed without warranty of title, expressed or implied.

This instrument may be executed in one document, signed by all parties, or in separate documents, each binding on the party or parties who execute the same, which shall be counterparts thereof; all of the subject counterparts, when executed by one or more parties, shall constitute one and the same instrument. In the event counterparts are executed, Assignee may combine said counterparts to form a single instrument for recording purposes.

EXECUTED this ____ day of _____, 198__.

09/08/2023

EXHIBIT "C-1"

ASSIGNMENT

THE STATE OF WEST VIRGINIA §
 § KNOW ALL MEN BY THESE PRESENTS:
COUNTY OF GRANT §

That the undersigned, DELTA DRILLING COMPANY, 200 Fleet Street, Suite 4005, Pittsburgh, Pennsylvania 15220, hereinafter called "Assignor", for and in consideration of the sum of TEN AND NO/100 (\$10.00) DOLLARS and other valuable consideration, the receipt of which is hereby acknowledged, does hereby bargain, sell, assign and convey to UNION DRILLING, INC., Drawer 40, Buckhannon, West Virginia 26201, hereinafter called "Assignee", subject to the reservations set forth below, an undivided ___% interest in and to the Oil and Gas Leases, and leasehold estates created thereby, described in Exhibit "A" attached hereto and incorporated herein for all purposes, covering the lands described and referred to therein, all located in Grant County, West Virginia.

Assignor expressly excepts from this Assignment and reserves unto Assignor, Assignor's heirs, successors and assigns, as follows:

- (a) all rights below a depth of 100 feet below the Oriskany Sandstone Formation, together with all rights of ingress and egress to explore for, develop, and operate such reserved rights;

In the event any lease assigned herein covers less than the mineral fee estate in the land covered thereby, or in the event Assignor owns less than the entire interest in such lease, the interests provided for above shall be proportionately reduced.

This Assignment is subject to the terms and provisions of the Farmout Agreement between Assignor and Assignee dated _____.

TO HAVE AND TO HOLD the interest herein conveyed to Assignee, its representatives, successors and assigns, provided, however, that this Assignment is executed without warranty of title, expressed or implied.

09/08/2023

This instrument may be executed in one document, signed by all parties, or in separate documents, each binding on the party or parties who execute the same, which shall be counterparts thereof; all of the subject counterparts, when executed by one or more parties, shall constitute one and the same instrument. In the event counterparts are executed, Assignee may combine said counterparts to form a single instrument for recording purposes.

EXECUTED this ____ day of _____, 198__.

09/08/2023

EXHIBIT "D"

1. During the progress of drilling any well provided for herein, Delta's authorized representatives are to have access at all reasonable times to the well and to all cores, cuttings, depths, logs and other information relative thereto and shall have the right to receive samples of all cores and cuttings, such samples to be delivered to our office or to our representatives, as we may indicate.
2. In this connection, the hereinafter named Delta geological representative shall be furnished, free of cost, the information and material listed after his name:

Delta's geological representative:

Mr. Steven S. Holsclaw	Telephones:
200 Fleet Street, Suite 4005	(Office) 412-922-3744
Pittsburgh, PA 15220	(Residence) 412-835-1245

If Mr. Holsclaw cannot be contacted, contact:

Mr. Tom Hambleton	Telephones:
200 Fleet Street, Suite 4005	(Office) 412-922-3744
Pittsburgh, PA 15220	(Residence) 412-831-5492

- (a) A written summary of your logging program along with any other evaluation program proposed for the test. This information should be delivered to Delta's geological representative seventy-two (72) hours prior to the spudding of the well.
- (b) A survey plat showing the staked location of the well.
- (c) During the drilling of a well, you shall notify Delta's geological representative at least twenty-four (24) hours in advance of your intention to take cores or run an electrical logging survey or such other surveys of the well that may be made, and Delta's geological representative shall be entitled to receive two copies of any such log or survey at the time it is run. Delta's geological representative should be notified at least forty-eight (48) hours in advance of your intention to abandon a well, and you agree not to plug said well until a

09/08/2023

representative of Delta is present or forty-eight (48) hours have elapsed, whichever is sooner, and in the event Delta should exercise its right to run a geophone in the well, as provided for in (e) below, you agree not to plug said well until seismic velocity test has been made.

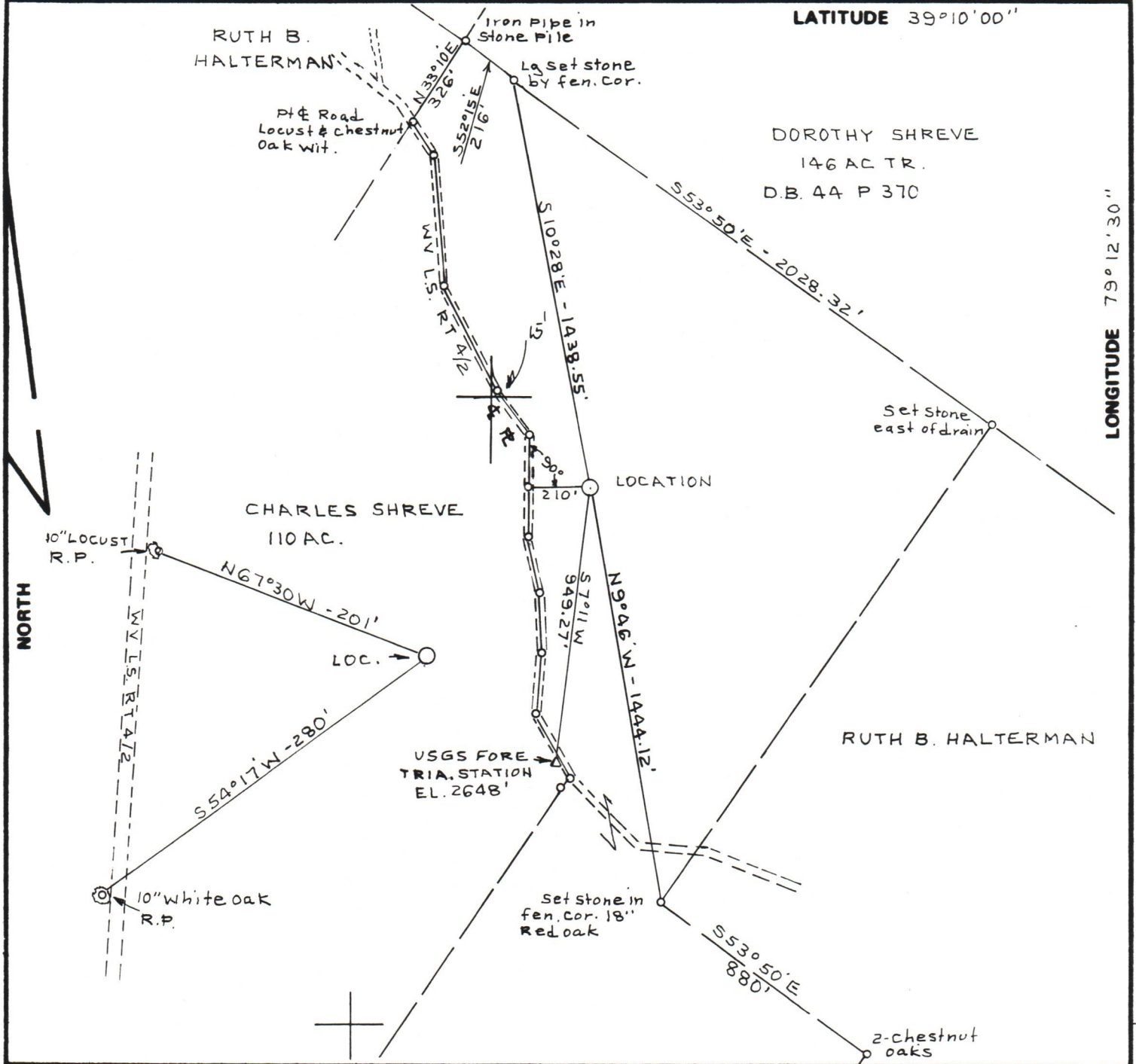
- (d) One (1) large sack of cuttings to be caught every thirty (30) feet from the base of the conductor pipe to a point designated by Delta's geological representative and thereafter at every ten-(10) foot interval to total depth. If and when a mudlogger unit is on the well, one (1) dried mudlogger sample is required covering at least every ten (10) feet to total depth. Delta will also receive representative samples (at least one per foot) of any cores cut while drilling. All samples are to be delivered to Delta Drilling Company, Northeast Exploration Division, 200 Fleet Street, Suite 4005, Pittsburgh, PA 15220.
 - (e) At its own election and within twenty-four (24) hours after your notice to abandon a well, Delta shall have the right, at its expense and risk, to lower a geophone into the well for the purpose of taking a seismic velocity test.
3. It is agreed and understood that all oil and gas formations encountered by you in drilling any well provided for herein are to be tested in a manner and to an extent consistent with good operating practice, and you specifically agree that you shall fully evaluate all zones of interest indicated by induction-electrical survey and porosity log by sidewall cores and/or wireline formation tests. If in the event Delta's geological representative feels that further evaluation data is needed then you shall run a maximum of two (2) wireline formation tests in zones designated by Delta.
4. The hereinafter named Delta production representative shall be furnished, free of cost, with the information and material listed after his name:

Mr. Wallace Darden	Telephones:
200 Fleet Street, Suite 4005	(Office) 412-922-3744
Pittsburgh, PA 15220	(Residence) 412-831-0892

- (a) Advise Mr. Darden by telegram or telephone immediately upon commencement of drilling operations.
- (b) A daily progress report throughout the drilling of a well and a daily copy of the mud log report, if mudlogger is used, should be delivered to Mr. Darden. Arrangements for the delivery of these reports should be made personally with Mr. Darden.
- (c) Within (5) days after reaching total depth or as soon thereafter as listed information is available, whether the well is a producer or a dry hole, you shall furnish Mr. Darden with the following information at your sole cost and expense:
 - (1) Three (3) copies of an induction electrical logging survey made from the greatest depth attained by said well to the bottom of the surface pipe.
 - (2) A porosity tool will also be run on all logging runs subsequent to all induction-electrical surveys except on surface runs and copies of such surveys furnished to Delta.
 - (3) A sepia print on the composite induction-electrical log.
 - (4) Three (3) copies of any inside casing logs.
 - (5) Three (3) copies of the composite mud log if mud logger is used.
 - (6) Three (3) copies of a dipmeter survey covering the interval from 3,000 feet to total depth.
 - (7) Three (3) copies of all other surveys (except seismic velocity surveys) that are made.
 - (8) Three (3) copies of any core analysis.
 - (9) A complete description of all cores taken and detailed information on drillstem or production tests.

Plat 2-23-84

10,800'



LATITUDE 39°10'00"

LONGITUDE 79°12'30"

14200'

FILE NO. BK 81 P 90
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200'
 PROVEN SOURCE OF ELEVATION Fore Triangulation Sta. S 7°11'W-949.27 from LOC. EL. 2648'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) C. S. Volley Jr.
 R.P.E. _____ I.L.S. 92

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE FEB 3, 1984
 OPERATOR'S WELL NO. 2042
 API WELL NO. _____
47 - 023 - 0008
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 2611.21' WATER SHED NORTH FORK OF LUNICE CREEK
 DISTRICT UNION COUNTY GRANT
 QUADRANGLE GREENLAND GAP 7.5'
 SURFACE OWNER DOROTHY E. SHREVE ACREAGE 540.5
 OIL & GAS ROYALTY OWNER DOROTHY E. SHREVE LEASE ACREAGE 540.5
 LEASE NO. 178966
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

09/08/2023

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 9500'
 WELL OPERATOR Union Drilling, Inc. DESIGNATED AGENT Joseph C. Vanzant, Jr.
 ADDRESS P.O. Drawer 40 ADDRESS P.O. Drawer 40
Buckhannon, Wv. 26201 Buckhannon, Wv. 26201