



1) Date: May 24, 1984, 19__
 2) Operator's Well No. 2054
 3) API Well No. 47 - 083 - 0913
 State County Permit

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: 2510' Watershed: Middle Fork Buckhannon River (MTB31G)
 District: Middle Fork 5 County: Randolph Quadrangle: Pickens 545
- 6) WELL OPERATOR Union Drilling, Inc. 50550 7) DESIGNATED AGENT Joseph C. Vanzant, Jr.
 Address Post Office Drawer 40 Address Post Office Drawer 40
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Phillip Tracy Name Union Drilling, Inc.
 Address Forest Festival Terrace, Apt. #24 Address Post Office Drawer 40
Elkins, WV 26241 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, Benson
- 12) Estimated depth of completed well, 4000 feet
- 13) Approximate trata depths: Fresh, ? feet; salt, ? feet.
- 14) Approximate coal seam depths: ? Is coal being mined in the area? Yes _____
- 15) CASING AND TUBING PROGRAM

RECEIVED
 MAY 25 1984
 OIL & GAS DIVISION
 DEPT. OF MINES
 No. XX

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		32	X		30'	30'		Kinds
Fresh water									
Coal									Sizes
Intermediate	8-5/8		23	X		1000'	1000'	to surface	NEAT Depths set by rule 15.01
Production	4-1/2	J	10 1/2	X		4000'	4000'	as required	
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-083-0913 Date June 26, 19 84

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 June 26, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>Blank</u>	Agent: <u>lp</u>	Plat: <u>MW</u>	Casing: <u>MW</u>	Fee: <u>017-980</u>
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[Signature]
 Administrator, Office of Oil and Gas

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



STATE OF WEST VIRGINIA

DEPARTMENT OF STATE AND LABOR DIVISION

OFFICE USE ONLY

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

1) LOCATION: B (Oil/Gas) Production, 2550', W. 1/4 Sec. 10, T. 33N, R. 10E, M. 10, Putnam Co., WV. District: Putnam, County: Putnam, Quarter: NE 1/4, Section: 10, Township: 33N, Range: 10E, Meridian: M. 10.

2) WELL OPERATOR: Putnam County, WV. Address: Putnam Co., WV.

3) DESIGNATED AGENT: Putnam Co., WV. Address: Putnam Co., WV.

4) DRILLING CONTRACTOR: Putnam Co., WV. Address: Putnam Co., WV.

5) OIL & GAS INSPECTOR TO BE NOTIFIED: Putnam Co., WV. Address: Putnam Co., WV.

6) PROPOSED WELL WORK: Drill deeper, Plug off old formation, Other physical change in well (depth), etc.

7) GEOLOGICAL TARGET FORMATION: Putnam Co., WV.

8) Estimated depth of completed well: 2550'.

9) Approximate true depth: 2550'.

10) Approximate coal seam depths: Putnam Co., WV.

11) CASING AND TUBING PROGRAM: Putnam Co., WV.

RECEIVED
MAY 2 2 1984

DEPT. OF MINES
OIL & GAS DIVISION

Casing or Tubing Type	Size	Grade	SPELICATIONS		FOOTAGE INTERVALS		CEMENT PLUG OR SPACERS (Casing feet)	LAYERS
			Weight per foot	Lead	For drilling	Let in well		
Conductor	12-3/4"		30	Lead	30'	30'		Kind
Production	4-1/2"		100	Lead	1000'	1000'		Size
Intermediate	6-5/8"		38	Lead	1000'	1000'		Weight

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		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason:	Agent	Plan	Casing	Test

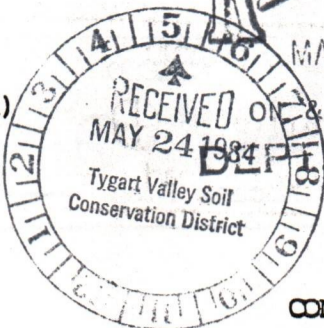
NOTE: Keep one copy of this permit posted at the drilling location.

12/01/2023

RECEIVED



IV-9 (Rev 8-81)



MAY 31 1984

STATE OF WEST VIRGINIA Department of Mines Oil and Gas Division

DATE 5-21-84 WELL NO. 2054 #2 API NO. 47-083-0913

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Union Drilling, Inc. Address P. O. Drawer 40, Buckhannon, WV Telephone 472-4610

DESIGNATED AGENT Joseph C. Vanzant, Jr. Address P. O. Drawer 40, Buckhannon, WV Telephone 472-4610

LANDOWNER H.H. Marty, et. al. Revegetation to be carried out by Union Drilling, Inc.

SOIL CONS. DISTRICT Tygart Valley (Agent)

This plan has been reviewed by Tygart Valley SCD. All corrections and additions become a part of this plan: 5-26-84

(Date) Junior Hedrick (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 Ditch (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 Morgan 12/01/2023

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

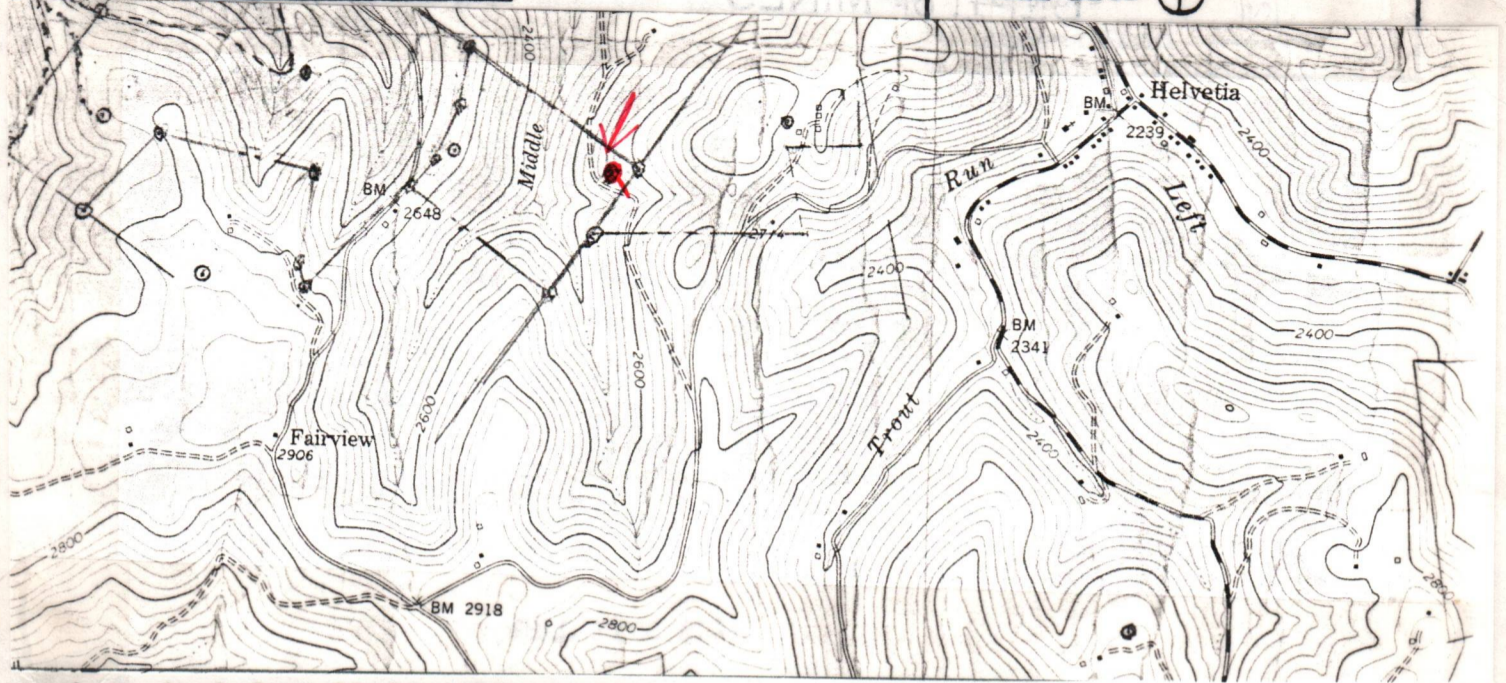
PHONE NO. (304) 472-4610

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

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Pickens 7.5

LEGEND

Well Site ⊕

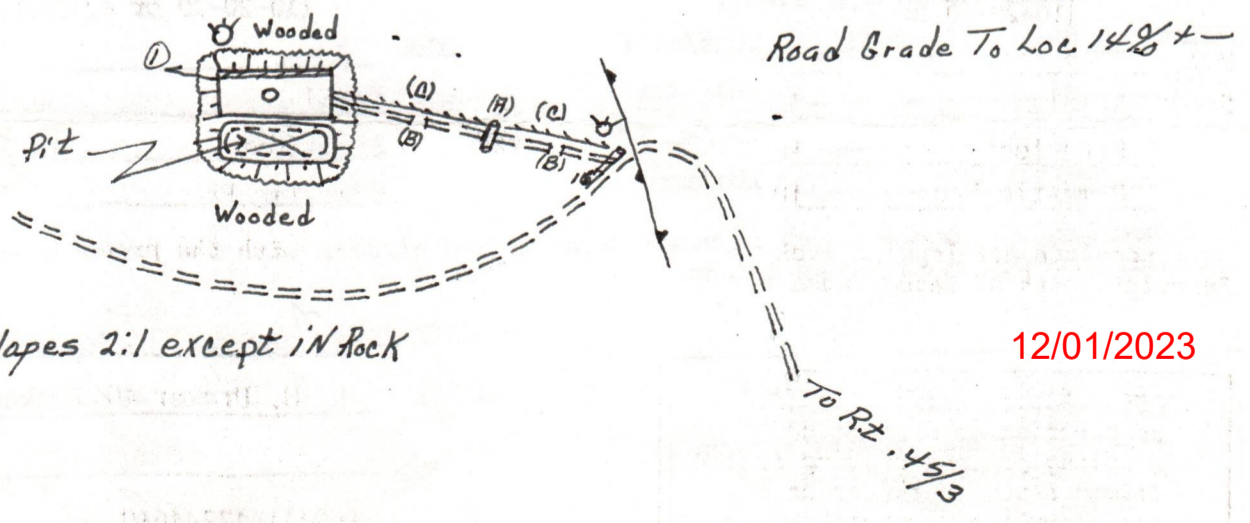


Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary	Diversion
Road	Spring
Existing fence	Wet spot
Planned fence	Building
Stream	Drain pipe
Open ditch	Waterway

Top soil will be Piled



All Slopes 2:1 except in Rock

12/01/2023

1) Date: May 24, 19 84
2) Operator's
Well No. 2054
3) API Well No. 47
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 See Attachment
Address _____
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR _____
Address _____
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name See Attachment
Address _____
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.

RECEIVED
MAY 25 1984

OIL & GAS DIVISION
DEPT. OF MINES

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 24 day of May, 19 84.

My commission expires 7-19, 1991.

James A. Bill, III
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

12/01/2023

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>
Hubert H. Marty, et. al.	Union Drilling, Inc.	1/8	350/21

12/01/2023

47-083-0913

304-472-4610



UNION DRILLING, INC.

Drawer 40
Buckhannon, WV 26201

DRILLING CONTRACTORS
PRODUCERS OF OIL AND GAS

ATTACHMENT TO FORM IV-2(A)
Operator's Well No. 2054
May 24, 1984

FEE SIMPLE OWNERS:

Hubert H. Marty
150 Woodhill Drive
Amherst, Ohio 44001

Christopher H. Marty
1331 Lindenwood Court
Lorain, Ohio 44053

Marylen Carol Marty Gentile
7356 West Lake Street, Apt. #1
River Forest, Illinois 60305

Hubert C. Marty
412 Franklin Avenue
Amherst, Ohio 44001

Edward H. Marti
250 Chase Road
Columbus, Ohio 43214

12/01/2023

P 471 412 065

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
Edward H. Marti	
Street and No.	
250 Chase Road	
P.O., State and ZIP Code	
Columbus, Ohio 43214	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	
Rec Plan, UDI 2054	

P 471 412 066

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
Hubert C. Marty	
Street and No.	
412 Franklin Avenue	
P.O., State and ZIP Code	
Amherst, Ohio 44001	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	
Rec Plan, UDI 2054	

P 534 411 067

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
Marylen Carol Marty Gentile	
Street and No.	
7356 West Lake St., Apt. #1	
P.O., State and ZIP Code	
River Forest, IL 60305	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	
Rec Plan, UDI 2054	

P 471 412 046

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
Edward H. Marti	
Street and No.	
250 Chase Road	
P.O., State and ZIP Code	
Columbus, Ohio 43214	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	
MAY 24 1984 2054 WV	

P 471 412 047

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
Hubert C. Marty	
Street and No.	
412 Franklin Avenue	
P.O., State and ZIP Code	
Amherst, Ohio 44001	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	
MAY 24 1984 2054 WV	

P 471 412 048

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
Marylen Carol Marty Gentile	
Street and No.	
7356 West Lake St. Apt. #1	
P.O., State and ZIP Code	
River Forest, IL 60305	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	
MAY 24 1984 2054 WV	

12/01/2023

P 471 412 049

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
Christopher H. Marty	
Street and No.	
1331 Lindenwood Court	
P.O., State and ZIP Code	
Lorain, Ohio 44053	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	
2054	

PS Form 3800, Feb. 1982

P 471 412 050

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
Hubert H. Marty	
Street and No.	
150 Woodhill Drive	
P.O., State and ZIP Code	
Amherst, Ohio 44001	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	
2054	

PS Form 3800, Feb. 1982

P 534 411 065

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
Hubert H. Marty	
Street and No.	
150 Woodhill Drive	
P.O., State and ZIP Code	
Amherst, Ohio 44001	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	
Rec Plan, UDI 2054	

* U.S.G.P.O. 1983-403-517

PS Form 3800, Feb. 1982

P 534 411 064

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
Christopher H. Marty	
Street and No.	
1331 Lindenwood Court	
P.O., State and ZIP Code	
Lorain, Ohio 44053	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	
Rec Plan, UDI 2054	

* U.S.G.P.O. 1983-403-517

PS Form 3800, Feb. 1982

12/01/2023

RECEIVED



IV-35 (Rev 8-81)

AUG 17 1984

OIL & GAS DIVISION DEPT. OF MINES

State of West Virginia Department of Mines Oil and Gas Division

Date August 15, 1984 Operator's Well No. 2 - 2054 Farm H.H. Marty #2 API No. 47 - 083 - 0913

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: 2510' Watershed Middle Fork of Buckhannon River District: Middle Fork County Randolph Quadrangle Pickens

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 Hubert Marty ADDRESS 150 Woodhill Drive, Amherst, Ohio 44001 MINERAL RIGHTS OWNER Same ADDRESS OIL AND GAS INSPECTOR FOR THIS WORK Phil Tracy ADDRESS Forest Fest. Apts, Elkins, WV 26241 PERMIT ISSUED 6/26/84 DRILLING COMMENCED 7/28/84 DRILLING COMPLETED 8/1/84

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cord, 13-10", 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION Benson Depth 4000' feet Depth of completed well 4002' feet Rotary x / Cable Tools Water strata depth: Fresh 74' feet; Salt none feet Coal seam depths: 73/76, 89/94, 164/167 Is coal being mined in the area? no 233/236, 272/276, 289/291, 390/395, 462/467, 618/625, 886/889

OPEN FLOW DATA Producing formation Squaw, Riley, Benson Pay zone depth 3867' feet Gas: Initial open flow show Mcf/d Oil: Initial open flow Bbl/d Final open flow 1100 Mcf/d Final open flow Bbl/d Time of open flow between initial and final tests 2 hours Static rock pressure 425# psig (surface measurement) after 24 hours shut in (If applicable due to multiple completion--)

12/01/2023

(Continue on reverse side)

Rand. 0915

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

Dowell - 3 stage Foam Frac - 8/8/84

1652/85 - Squaw - 45,000# sand, 185 Bbls water and 394,500 scf nitrogen

3560/68 - Riley - 45,000# sand, 112 Bbls water and 536,000 scf nitrogen
3638/44

3846/51 - Benson - 39,000# sand, 150 Bbls water and 398,000 scf nitrogen
3865/67

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 & Shale			0	73	
Coal			73	76	1/4" stream water @74'
Sand & Shale			76	89	
Coal			89	94	
Sand & Shale			94	164	
Coal			164	167	
Sand & Shale			167	233	
Coal			233	236	
Sand & Shale			236	272	
Coal			272	276	
Sand & Shale			276	289	
Coal			289	291	
Sand & Shale			291	390	
Coal			390	395	
Sand & Shale			395	462	
Coal			462	467	
Sand & Shale			467	618	
Coal			618	625	
Sand & Shale			625	886	
Coal			886	889	
Sand & Shale			889	1365	
Blue Monday			1365	1406	
Big Lime			1409	1508	
Injun			1513	1641	
Squaw			1641	1708	
4th Sand			2034	2054	
5th Sand			2098	2137	
Bayard			2159	2179	
Lower Bayard			2220	2299	
1st Riley			3533	3610	
2nd Riley			3634	3680	
Benson			3844	3886	
				4002'	T.D. gas show

(Attach separate sheets as necessary)

UNION DRILLING, INC.

Well Operator

By: Joseph C. Pettey 12/01/2023

Date: Joseph C. Pettey, Vice President of Production

8/15/84

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 coal, encountered in the drilling of a well."



RECEIVED
NOV 1 - 1984
OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
September 17, 1984

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

PERMIT NO 083-0913
FARM & WELL NO Hubert Marty #2-2054
DIST. & COUNTY Middle Fork/Randolph

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	_____	_____
25.01	Necessary Equipment to Prevent Waste	_____	_____
23.04	Reclaimed Drilling Pits	_____	_____
23.05	No Surface or Underground Pollution	_____	_____
23.07	Requirements for Production & Gathering Pipelines	_____	_____
16.01	Well Records on Site	_____	_____
16.02	Well Records Filed	_____	_____
7.05	Identification Markings	_____	_____

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

SIGNED Phillip Troy
DATE 10-30-84

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. H. ...
Administrator-Oil & Gas Division

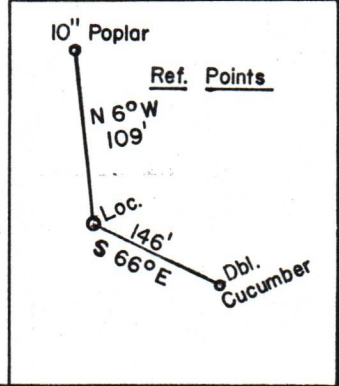
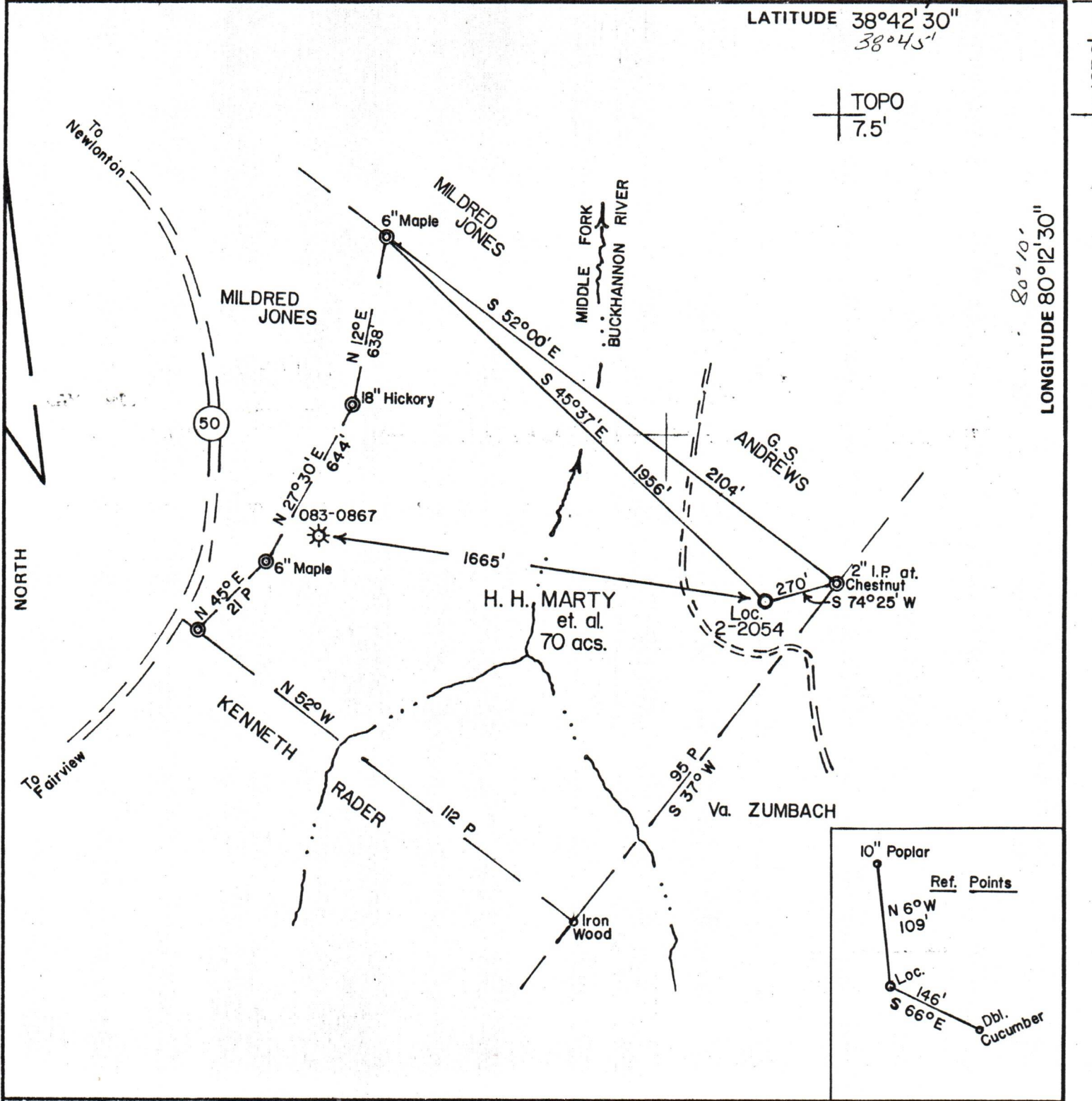
January 11, 1985

DATE

LATITUDE 38°42'30"
38°45'

TOPO
7.5'

LONGITUDE 80°12'30"



FILE NO. U.D.I.-3-59
 DRAWING NO. 84-15
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION BM. Along Road 2300' W. of 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) Thomas F. Weaver, Jr.
 R.P.E. _____ L.L.S. 410

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE April 27, 19 84
 OPERATOR'S WELL NO. 2-2054
 API WELL NO. _____
47-083-0913
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 2510 WATER SHED Middle Fork Buckhannon River
 DISTRICT Middle Fork COUNTY Randolph
 QUADRANGLE Pickens
 SURFACE OWNER H. H. Marty, et al. ACREAGE 70
 OIL & GAS ROYALTY OWNER H. H. Marty, et al. LEASE ACREAGE 70 12/01/2023
 LEASE NO. 1747
 PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Benson ESTIMATED DEPTH 4000'
 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

RAN. 0913