



1) Date: March 9, 1984  
 2) Operator's Well No. 1988  
 3) API Well No. 47 - 083 - 0899  
 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: 2945 Watershed: Marsh Run  
 District: Middle Fork County: Randolph Quadrangle: Pickens
- 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  
 Name Phillip Tracy  
 Address Forest Festival Terrace, Apt. #24  
Elkins, WV 26241
- 9) DRILLING CONTRACTOR:  
 Name 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, Benson
- 12) Estimated depth of completed well, 4200 feet
- 13) Approximate trata depths: Fresh, ? feet; salt, ? feet.
- 14) Approximate coal seam depths: ? Is coal being mined in the area? Yes  OIL & GAS DIVISION

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15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS (Cubic feet)	DEPT. of MINES 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	by rule 15.05
Production	4-1/2	J	10 1/2	X		4200'	4200'	as required	by rule 15.01
Tubing									Depths set
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-083-0899 Date April 6, 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 April 6, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <b>BLANKET</b>	Agent: <u>LD</u>	Plat: <u>M/M/M</u>	Casing	Fee <u>015-331</u>
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*[Signature]*  
 Administrator, Office of Oil and Gas

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



OFFICE USE ONLY

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

10) PROPOSED WELL WORK: Drill, Re-drill, Deepen, Redrill, Re-shoal, Re-shoal and re-ream, Plug off old formation, Re-form new formation, Other physical change in well (specify):

11) GEOLOGICAL TARGET FORMATION: Sandstone

12) Estimated depth of completed well: 50 feet

13) Approximate fluid depths: Fresh water 35 feet, Salt water 50 feet

14) Approximate casing depth: 35 feet

15) CASING AND TUBING PROGRAM: 35 feet casing, 50 feet tubing

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DEPT. OF MINES  
OIL & GAS DIVISION

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: \_\_\_\_\_

Reason: \_\_\_\_\_

Blanket	Agents	Plan	Casing	Top
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12/01/2020

IV-9  
(Rev 8-81)



State of West Virginia  
Department of Mines  
Oil and Gas Division

DATE 3-5-84  
WELL NO. 1988  
API NO. 47-083-0899

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  
Telephone 472-4610 Telephone 472-4610  
LANDOWNER Robert H. Waggy SOIL CONS. DISTRICT Tygart Valley S.C.D.  
Revegetation to be carried out by Union Drilling, Inc. (Agent)

This plan has been reviewed by Tygart Valley SCD. All corrections and additions become a part of this plan: 3-11-84 (Date)

Junior [Signature]  
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>Culvert Pipe (12" Min)</u> (A)	Structure _____ (1)
Spacing <u>At Natural Drains</u>	Material _____
Page Ref. Manual _____	Page Ref. Manual _____
Structure <u>Cross Drains</u> (B)	Structure _____ (2)
Spacing <u>250' + -</u>	Material _____
Page Ref. Manual _____	Page Ref. Manual _____
Structure <u>Roadway Ditch</u> (C)	Structure _____ (3)
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____

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OIL & GAS DIVISION  
DEPT. OF MINES

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

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

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

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

PLAN PREPARED BY Danny O'Neal 4/20/2023

ADDRESS P. O. Drawer 40, Buckhannon, WV 26200

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.

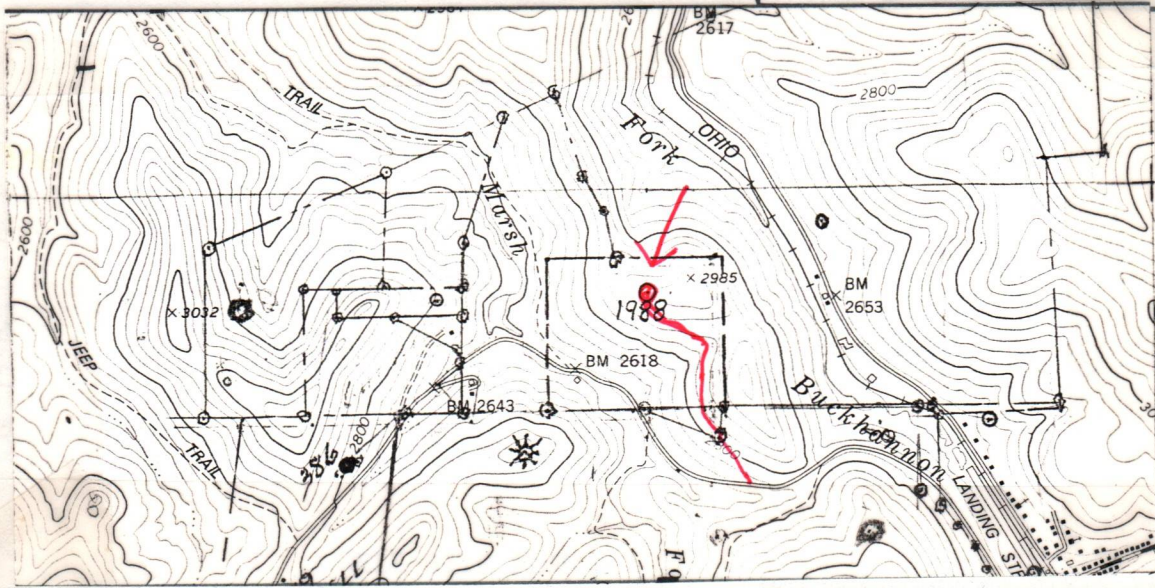
ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

QUADRANGLE Pickens 7.5

LEGEND

Well Site ⊕

Access Road ———

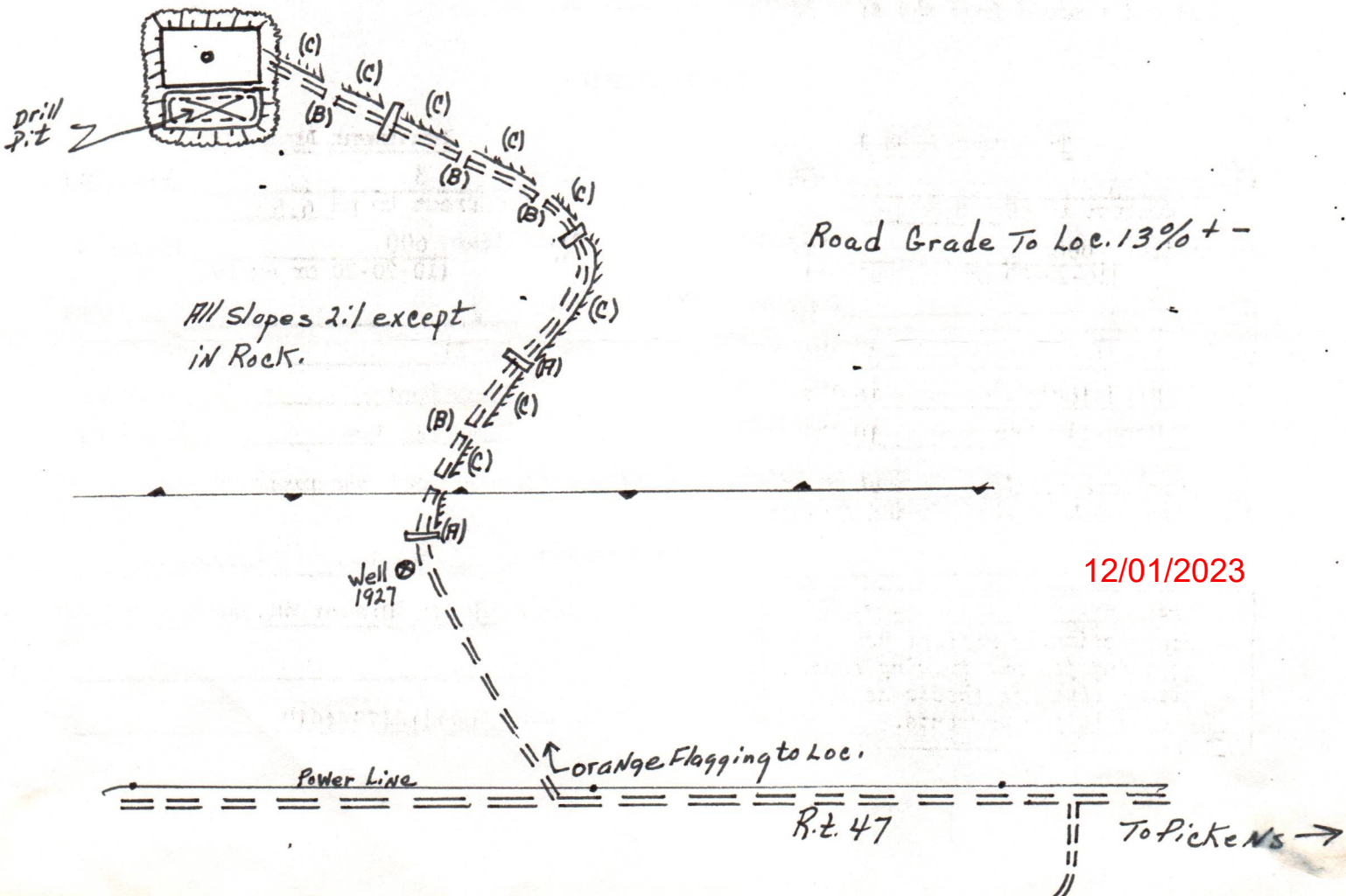


Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary	—————	Diversion	~~~~~
Road	====	Spring	○→
Existing fence	—x—x—	Wet spot	☼
Planned fence	—/—/—	Building	■
Stream	~~~~~	Drain pipe	○—○—○—
Open ditch	—+—+—+—	Waterway	⇄⇄⇄⇄

*Top soil will be Piled*



1) Date: March 9, 1984  
2) Operator's Well No. 1988  
3) API Well No. 47-083-0899  
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

5(i) COAL OPERATOR  
Address

(i) Name M. E. Cutright Stonebraker  
Address 8 Franklin Street  
Buckhannon, WV 26201

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name M. E. Cutright Stonebraker  
Address 8 Franklin Street  
Buckhannon, WV 26201

(ii) Name  
Address

(iii) Name  
Address

P 534 410 989

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

TO THE PER

- (1) T  
(2) T  
(3) T

THE F  
WHICH ARE  
(FORM IV-2  
ACTION AT

Take  
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for a Well  
Department  
and depict  
Constructi  
by hand to  
before the

6) EXTRACT

Check ar  
 Incl  
 The r

7) ROYALTY

Is the r  
or other

contracts providing for that 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

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

U.S.G.P.O. 1983-403-517  
PS Form 3800, Feb. 1982  
Sent to M. E. Cutright Stonebraker  
Street and No. 8 Franklin Street  
P.O., State and ZIP Code Buckhannon, WV 26201  
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 BUCKHANNON MAR 13 1984

and the following documents:

(or Form IV-4 if the well is  
the drilling or other work,  
table, the proposed casing and

Form IV-6; and  
less the well work is only to  
sediment control and for

RIGHTS REGARDING THE APPLICATION  
OF THE COPY OF THE APPLICATION  
NOT REQUIRED TO TAKE ANY



the undersigned well op  
n and accompanying documents  
Oil and Gas, West Virginia  
cribed on attached Application  
Application, the plat, and the  
d or certified mail or delivered  
ain circumstances) on or

OIL & GAS DIVISION  
DEPT. OF MINES

act or contracts by which  
verse side for specifics.)

ed upon a lease or leases

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 9 day of March, 1984.

My commission expires 3-3, 1991.

A. Bradford Zimmerman  
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

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.

I N F O R M A T I O N S U P P L I E D U N D E R C O D E § 22-4-11(d)  
I N L I E U O F F I L I N G L E A S E ( S ) A N D O T H E R C O N T I N U I N G C O N T R A C T ( 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>
W. H. Stonebraker, et. al.	Union Drilling, Inc.	1/8	357/590

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AUG 17 1984



IV-35 (Rev 8-81)

OIL & GAS DIVISION DEPT. OF MINES State of West Virginia Department of Mines Oil and Gas Division

Date August 13, 1984 Operator's Well No. 1 - 1988 Farm W.H. Stonebraker #1 API No. 47 - 083 - 0899

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: 2945' Watershed Marsh Run District: Middle Fork County Randolph Quadrangle Pickens

COMPANY UNION DRILLING, INC. ADDRESS P.O. Drawer 40, Buxkhannon, WV 26201 DESIGNATED AGENT Joseph C. Vanzant, Jr. ADDRESS P.O. Drawer 40, Buckhannon, WV 26201 SURFACE OWNER M.E. Stonebraker ADDRESS 8 Franklin St, Buckhannon, WV 26201 MINERAL RIGHTS OWNER W.H. Stonebraker ADDRESS 8 Franklin St., Buckhannon, WV 26201 OIL AND GAS INSPECTOR FOR THIS WORK Phil Tracy ADDRESS Forrest Fest. Apts. Elkins PERMIT ISSUED 4/6/84 WV 26241 DRILLING COMMENCED 6/5/84 DRILLING COMPLETED 6/11/84

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cond., 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 4200' feet Depth of completed well 4329' feet Rotary XX / Cable Tools Water strata depth: Fresh 47' feet; Salt Coal seam depths: 51/54, 389/395 Is coal being mined in the area? no

OPEN FLOW DATA Producing formation Squaw, Riley, Benson Pay zone depth Gas: Initial open flow 4.5 Mcf/d Oil: Initial open flow Final open flow 1186 Mcf/d Oil: Final open flow Time of open flow between initial and final tests 2 hours Static rock pressure 450# psig (surface measurement) after 24 hours shut in (If applicable due to multiple completion--)

12/01/2023

(Continue on reverse side)

Rand. 0899

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

Halliburton - 3 stage Foam Frac - 7/25/84

1982/90 - Squaw - 50,000# sand, 532 Bbls water and 342,000 scf nitrogen

3856/58 - Riley - 45,000# sand, 500 Bbls water and 370,000 scf nitrogen  
3955

4141/75 - Benson - 45,000# sand, 500 Bbls water and 570,000 scf nitrogen

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	51	1/2" water @47'
Coal			51	54	
Sand & Shale			54	389	
Coal			389	395	
Sand & Shale			395	1669	
Blue Monday			1669	1712	
Injun			1819	1975	
Squaw			1976	1989	
4th Sand			2455	2501	
5th Sand			2516	2611	
Riley			3455	3960	
Benson			4136	4185	
				4329'	T.D. 6/10ths thru 1/2" water = 4.5mcf

(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."





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

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NOV 1 - 1984

OIL & GAS DIVISION  
DEPT. OF MINES

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
September 17, 1984

COMPANY Union Drilling, Inc.

PERMIT NO 083-0899

P. O. Drawer 40

FARM & WELL NO M.E. Stonebraker #1-1988

Buckhannon, West Virginia 26201

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 Tracy  
DATE 10-30-84

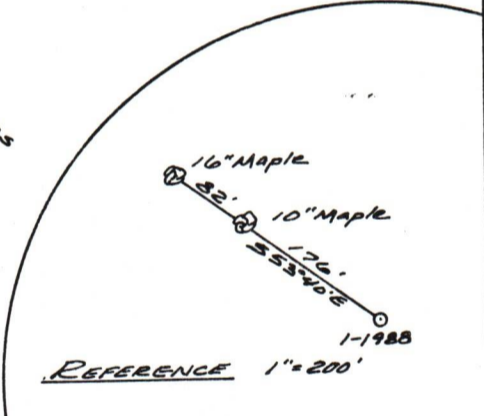
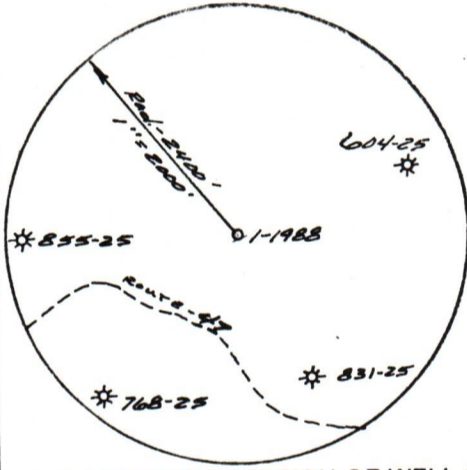
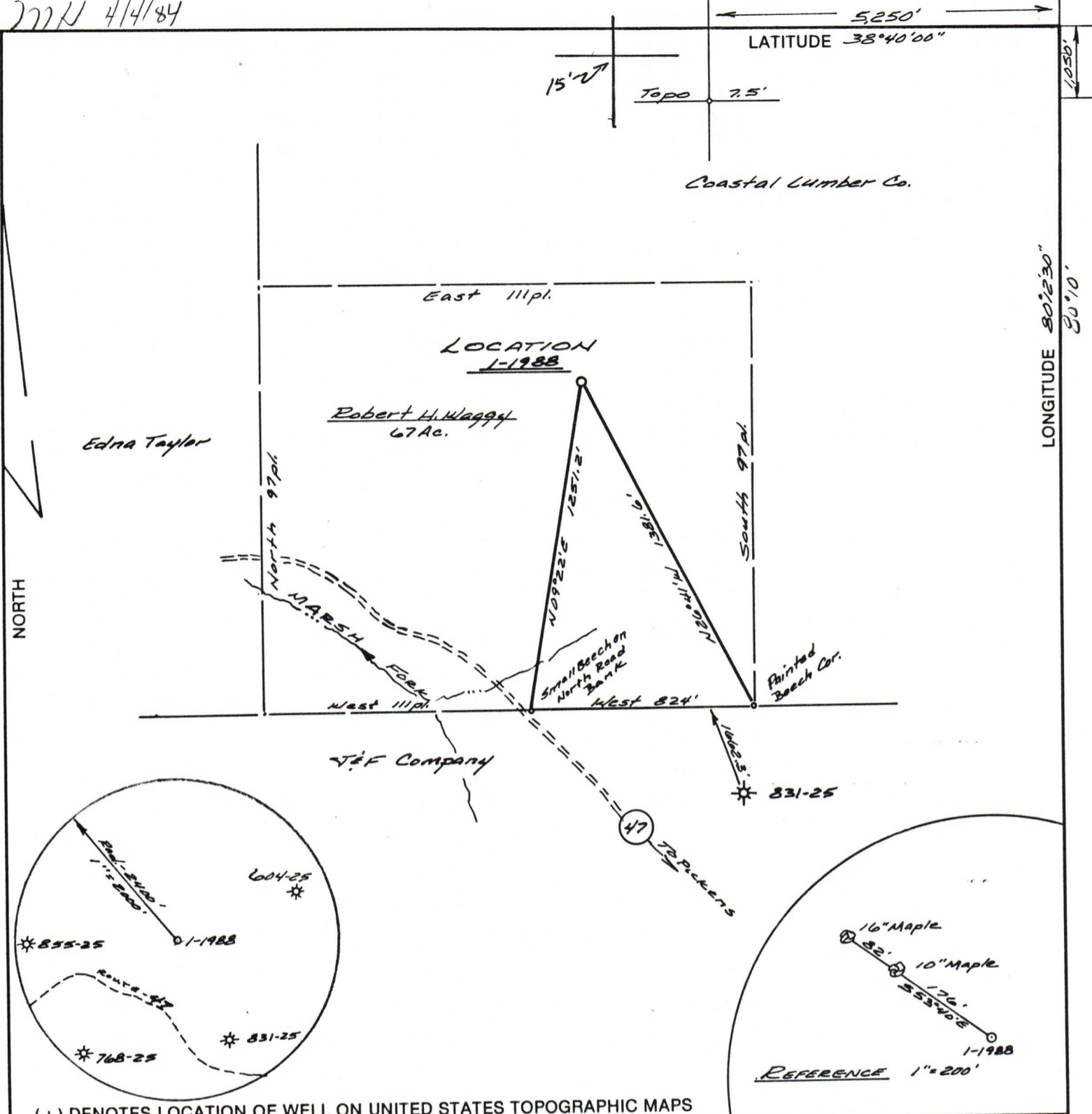
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

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

January 11, 1985

DATE

222N 4/4/84



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 40.01  
 DRAWING NO. 84-1  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 in 2500'  
 PROVEN SOURCE OF ELEVATION Spot Elev. - 2985  
East of Location on Ridge point.

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) Rayford L. Ostermiller  
 R.P.E. \_\_\_\_\_ L.L.S. 555  
Buckhannon, WV

PLACE SEAL HERE

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

DATE January 26, 19 84  
 OPERATOR'S WELL NO. 1-1988  
 API WELL NO. 47 - 083 - 0899  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_

LOCATION: ELEVATION 2945' WATERSHED Marsh Run  
 DISTRICT Middle Fork COUNTY Randolph  
 QUADRANGLE Pickens 7.5'

SURFACE OWNER Robert H. Waggy ACREAGE 67  
 OIL & GAS ROYALTY OWNER W.H. Stonebraker LEASE ACREAGE 67  
 LEASE NO. 1944

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 4200'  
 WELL OPERATOR Union Drilling, Inc. DESIGNATED AGENT Joseph C. Vandyant, Jr.  
 ADDRESS P.O. Drawer 40 ADDRESS P.O. Drawer 40  
Buckhannon, WV 26201 Buckhannon, WV 26201

LONGITUDE 80° 23' 00"

COUNTY NAME RAND.

PERMIT 0899

FORM IV-6 (8-78)

H.T. HALL

12/01/2023