

Date: December 30, 19 81

Operator's Well No. 1 - 1755

API Well No. 47 - 083 - 0579

State County Permit

J. M. Huber #1 (1755)

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

OIL AND GAS WELL PERMIT

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

LOCATION: Elevation: 2782' Watershed: Saltlick & Saltblock Runs of Left Fork
District: Middle Fork County: Randolph Quadrangle: Pickens

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

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

OIL & GAS ROYALTY OWNER J. M. Huber Corp.
Address P. O. Box 1319
Maryville, Tenn. 37801

COAL OPERATOR _____
Address _____

ACREAGE 620
SURFACE OWNER Coastal Lumber Company
Address Box 8
Dailey, WV 26259
ACREAGE 325

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name J. M. Huber Corp.
Address P. O. Box 1319
Maryville, Tenn. 37801
Name _____
Address _____

FIELD SALE (IF MADE) TO:
Address Not Determined at this time

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Robert Stewart (884-7782)
Address P. O. Box 345
Jane Lew, WV 26378

COAL LESSEE WITH DECLARATION ON RECORD:
Name JAN 4 - 1982
Address _____
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

UDI Lease #924

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed _____ / lease x other contract _____ / dated January 20, 19 79, to the undersigned well operator from J. M. Huber Corp. to Union Drilling, Inc.

(IF said deed, lease, or other contract has been recorded:)
Recorded on Feb. 4, 1981, in the office of the Clerk of the County Commission of Randolph County, West Va. in Deed Book 335 at page 527. A permit is requested as follows:

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

—planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

UNION DRILLING, INC. **10/20/2023**
Well Operator
By Joseph C. Pettey
Its Joseph C. Pettey, Vice President
Of Production

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) UNION DRILLING, INC.

Address P. O. Drawer 40
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Benson

Estimated depth of completed well, 4400 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, ? feet; salt, ? feet.

Approximate coal seam depths: ? Is coal being mined in the area? Yes _____ / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			New		FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	Used	For drilling	Left in well			
Conductor	11 3/4"			X		20'	20'		Kinds
Fresh Water									
Coal									Sizes
Intermediate	8 5/8"		20#	X		850'	850'	to surface	
Production	4 1/2"		10 1/2#	X			4400'	500 440 sks. or as req. by rule 15.01.	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 9-5-82.

J. G. Huggins
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____

By _____
Its _____



Date 12-15 19 81
Well No. 1755
API No. 47 - Randolph - 579
State County Permit

Form IV-9 (01-80)

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS

Company Name UNION Drilling Inc.
Address P.O. Drawer 40, Buckhannon W.Va.
Telephone 472-4610
Landowner Coastal Lumber Co.

Designated Agent UNION Drilling Inc.
Address P.O. Drawer 40, Buckhannon W.Va.
Telephone 472-4610
Soil Cons. District Tygart Valley

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. 12/23/81 (Date) Jean Freeman (SCD Agent)

Access Road
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 _____

Location
Structure Diversion (1)
Material Earthen
Page Ref. Manual _____
Structure _____ (2)
Material _____
Page Ref. Manual **RECEIVED**
Structure JAN 4 - 1982 (3)
Material _____
Page Ref. Manual **OIL AND GAS DIVISION WV DEPARTMENT OF MINES**

All structures should be inspected regularly and repaired if necessary.

Revegetation

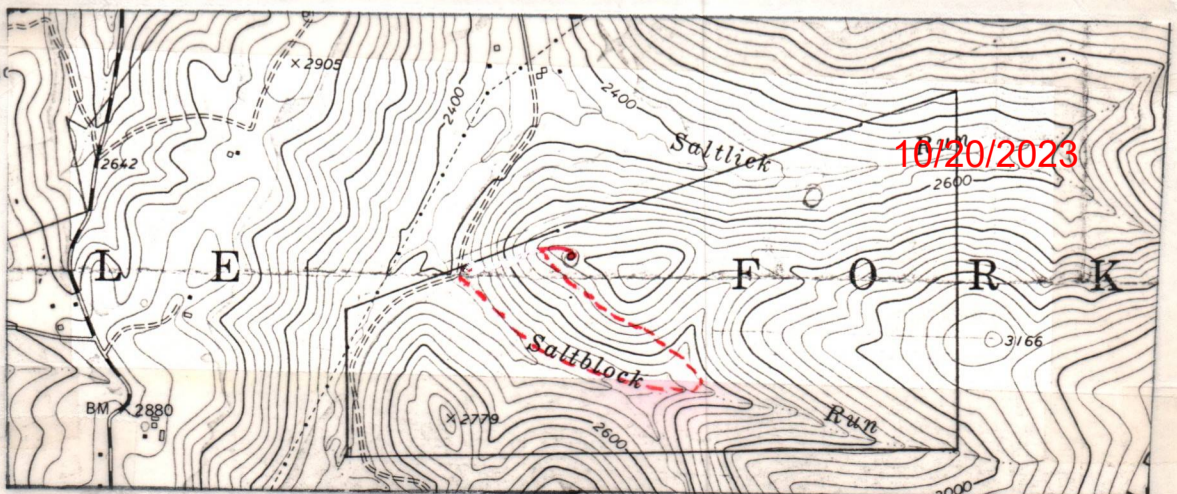
Treatment Area I
Lime 3 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch 2 Tons/acre
Seed* Ky 31 30 lbs/acre
Birdsfoot 10 lbs/acre
Domestic Rye 10 lbs/acre

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.

Attach or photocopy section of involved Topographic map. Quadrangle Pickens 7.5

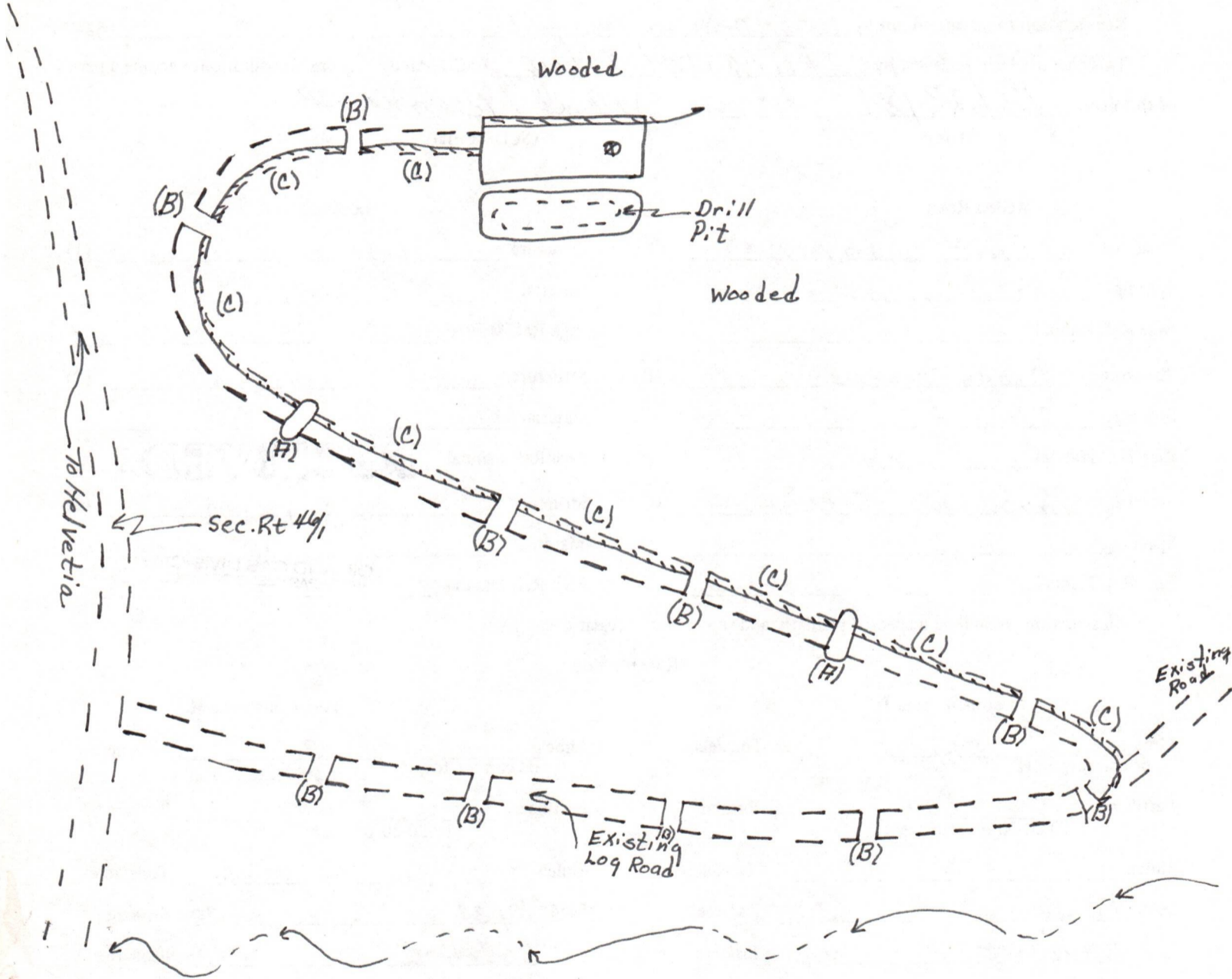
Legend: ⊕ Well Site
— Access Road



Well Site Plan

Legend:	Property Boundary		Diversion	
	Road		Spring	
	Existing Fence		Wet Spot	
	Planned Fence		Building	
	Stream		Drain Pipe	
	Open Ditch		Waterway	

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



Comments: All commercial timber to be cut & stacked. All brush & small trees to be cut & disposed of before dirt work begins. All slopes to be 2:1 except in rock. Roadway grade. \pm 12%

Signature: Danny O'Morgan P.O. Drawer 40, Buckhannon, W.Va. 472-4610
 Agent Address Phone Number

10/20/2023

Please request landowners cooperation to protect new seeding for one growing season.

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) UNION DRILLING, INC.
Address P. O. Drawer 40
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Benson

Estimated depth of completed well, 4400 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, ? feet; salt, ? feet.

Approximate coal seam depths: ? Is coal being mined in the area? Yes / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft			For drilling	Left in well		
Conductor	11 3/4"			X		20'	20'		Kinds
Fresh Water									
Coal									Sizes
Intermediate	8 5/8"		20#	X		850'	850'	to surface	
Production	4 1/2"		10 1/2#	X			4400'	300 sks. or as req. by rule 15.01.	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form Iv-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator X / owner / lessee X / of the coal under this well location 10/20/2023 has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: MARCH 8, 19 82

By JOHN R. HARDESTY, AVANT DRILLING CO
Its PRESIDENT



1) Date: October 31, 19 83
 2) Operator's Well No. 1-1755
 3) API Well No. 47 - 083 - 0579-Ren
 State County Permit

APPLICATION TO RENEW EXPIRED PERMIT

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

- 4) WELL TYPE: A Oil / Gas X /
 B (If "Gas", Production X / Underground storage / Deep / Shallow X /)
- 5) LOCATION: Elevation: 2782 Watershed: Saltlick; Saltblock Runs of Left Fork
 District: Middle Fork County: Randolph Quadrangle:
- 6) WELL OPERATOR Union Drilling, Inc. 7) DESIGNATED AGENT Joseph C. Vanzant, Jr.
 Address Post Office Drawer 40 Address Post Office Drawer 40
Buckhammon, WV 26201 Buckhammon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Phillip Tracy Name Union Drilling, Inc.
 Address General Delivery Address Post Office Drawer 40
Ellamore, WV 26267 Buckhammon, WV 26201
- 10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate X
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Benson
 12) Estimated depth of completed well, 4400 feet
 13) Approximate strata depths: Fresh, ? feet; salt, ? feet.
 14) Approximate coal seam depths: ? Is coal being mined in the area? Yes / No X /

RECEIVED
 NOV 1 - 1983

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	DEPT. OF MINES
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	11-3/4			X		20'	20'		Kinds
Fresh water									
Coal									Sizes
Intermediate	8-5/8		20#	X		850'	850'	to surface	By Rule 15.05 or by Order 1 Cause 34
Production	4-1/2		10.5"	X		4400'	4400'	300 sacks	
Tubing									Depths set
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-083-0579-Ren

November 17, 1983
 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 November 17, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKET BOND	Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>10385</u>
---------------------------	---------------------------	--------------------------	----------------------------	-------------------

Michael Jarvis
 Administrator, Office of Oil and Gas

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



1) Date: October 21, 1983
2) Operator's Well No. 1083
3) API Well No. 1083
County State

OFFICE USE ONLY

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

4) WELL LOCATION: B (If Gas Production) Elevation: 1102
5) WELL OPERATOR: B. J. ... Inc. Address: ...
6) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: ... Address: ...
7) DESIGNATED AGENT: Name: ... Address: ...
8) PROPOSED WELL WORK: Drill: deeper / Plug off old formation / Other physical change in well (specify):
9) GEOLOGICAL TARGET FORMATION: ...
10) Estimated depth of completed well: ...
11) Approximate true depths: Fresh: ...
12) Approximate coal seam depths: ...
13) Is coal being mined in the area? Yes/No

RECEIVED NOV 1 - 1983

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: _____

Agent	Plan	Casing	Fee
-------	------	--------	-----

10/20/2023

1) Date: October 31, 19 83
2) Operator's Well No. 1-1755
3) API Well No. 47 - 083 - 0579-P
State County Permit
TO RENEW EXPIRED 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 Coastal Lumber Company
Address BOX 8
Dailey, WV 26259

(ii) Name _____
Address _____

(iii) Name _____
Address _____

5(i) COAL OPERATOR Avanti Mining Company, Inc.
Address Helvetia, WV 26224

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name J. M. Huber Corporation
Address Post Office Box 1319
Maryville, TN 37801

L LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

P 471 413 733
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
Coastal Lumber Company	
Street and No.	
Box 8	
P.O., State and ZIP Code	
Dailey, WV 26259	
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	\$172
Postmark or Date	OCT 31 1983 WV

TO THE PERSON(S)

- (1) The App to be p and des cementi
- (2) The pla
- (3) The Con plug a reclama

THE REASON WHICH ARE SUMMAR (FORM IV-2(B) OF ACTION AT ALL.

Take notice erator proposes for a Well Work Department of Mi and depicted on Construction and by hand to the before the day c

- 6) EXTRACTION RI Check and prc Included i I hold The requir

7) ROYALTY PROVI

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 31 day of October, 19 83.

My commission expires 3-19, 19 91.

James A. Bickel, III
Notary Public, Upshur County,
State of West Virginia

WELL

OPERATOR Union Drilling, Inc.

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

m and the following documents:
(or Form IV-4 if the well is he drilling or other work, ble, the proposed casing and

Form IV-6; and
ess the well work is only to ediment control and for

GHTS REGARDING THE APPLICATION F THE COPY OF THE APPLICATION OT REQUIRED TO TAKE ANY

, the undersigned well op- and accompanying documents il and Gas, West Virginia ribed on attached Application Application, the plat, and the or certified mail or delivered in circumstances) on or

ct or contracts by which
verse side for specifics.)

RECEIVED

NOV 1 - 1983

OIL & GAS DIVISION
DEPT. OF MINES

10/20/2023

P 471 413 734

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Avanti Mining Company, Inc.	
Street and No.	
P.O., State and ZIP Code Helvetia, WV 26224	
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	\$ 1.72
Postmark or Date	

PS Form 3800, Feb. 1982



N S T

Oil &

served
ore tha
in subs

firm,
does o

in lie
it may :

AND SEE

7.02
ust be
ribed k
or in
on req
same v
he cons
thin 20

made c
e § §

P 471 413 735

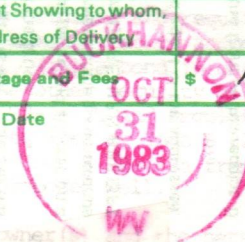
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to J. M. Huber Corporation	
Street and No. P. O. Box 1319	
P.O., State and ZIP Code Maryville, TN 37801	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	X
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 1.72
Postmark or Date	

PS Form 3800, Feb. 1982



5(i)

c)

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:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book Page
J. M Huber Corporation	Union Drilling, Inc.	1/8th	335/527

RECEIVED

FEB 15 1984

IV-35
(Rev 8-81)

OIL & GAS DIVISION
DEPT. OF MINES



State of West Virginia
Department of Mines
Oil and Gas Division

Date January 30, 1984
Operator's
Well No. 1-1755
Farm J.M.Huber Corp. #1
API No. 47 - 083 - 0579

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: 2782' Watershed Saltblock Runs of Left Fork
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 Coastal Lumber Co.
ADDRESS Box 8, Dai;ey, WV 26259
MINERAL RIGHTS OWNER J.M. Huber
ADDRESS P.O. Box 1319, Maryville, TN 37801
OIL AND GAS INSPECTOR FOR THIS WORK _____
Robert Stewart ADDRESS P.O. Box 345, Jane Lew, WV 26378
PERMIT ISSUED 11/17/83
DRILLING COMMENCED 1/12/84
DRILLING COMPLETED 1/17/84

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	24'	pulled	
9 5/8			
8 5/8	834.5'		234 cf
7			
5 1/2			
4 1/2	3798.1'		501 cf
3			
2			
Liners used			

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

GEOLOGICAL TARGET FORMATION Benson Depth 4400' feet
Depth of completed well 3907' feet Rotary x / Cable Tools _____
Water strata depth: Fresh 75' feet; Salt _____ feet
Coal seam depths: 306/09, 315/18 418/23 Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation 4th Sand, 5th Sand, Benson Pay zone depth 3662' feet
Gas: Initial open flow show Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 223 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 2 hours
Static rock pressure 900# psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth 10/20/2023 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)

RAW 5 19

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

Halliburton - 2 stage Foam Frac - 2/1/84

2027/30 - 4th Sand - 450 sks.sand, 601 Bbls water and 345,000 scf nitrogen
2106/09 - 5th Sand

3659/62 - Benson - 450 sks.sand, 549 Bbls water and 350,000 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	306	1/2" stream water @75'
Coal			306	309	
Sand & Shale			309	315	
Coal			315	318	
Sand & Shale			318	418	
Coal			418	423	
Sand & Shale			423	1138	
Little Lime			1138	1195	
Big Lime			1248	1319	
Big Injun			1376	1405	
Squaw			1534	1550	
4th Sand			1870	1907	
5th Sand			1914	1934	
Bayard			2002	2032	
Lower Bayard			2045	2072	
Benson			3610	3694	
				3907	T.D. gas show

(Attach separate sheets as necessary)

Union Drilling, Inc.

Well Operator

By:

Joseph C. Pettey

Date:

Joseph C. Pettey, Vice President of Production

10/20/2023

2/14/84

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 ..., encountered in the drilling of a well."



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

RECEIVED
AUG 14 1984
OIL & GAS DIVISION
DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

COMPANY Union Drilling

PERMIT NO 83-579 11/83

FARM & WELL NO Duber 1753

DIST. & COUNTY Middle West 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 J. Jorg

DATE 8-10-84

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

August 21, 1984

DATE

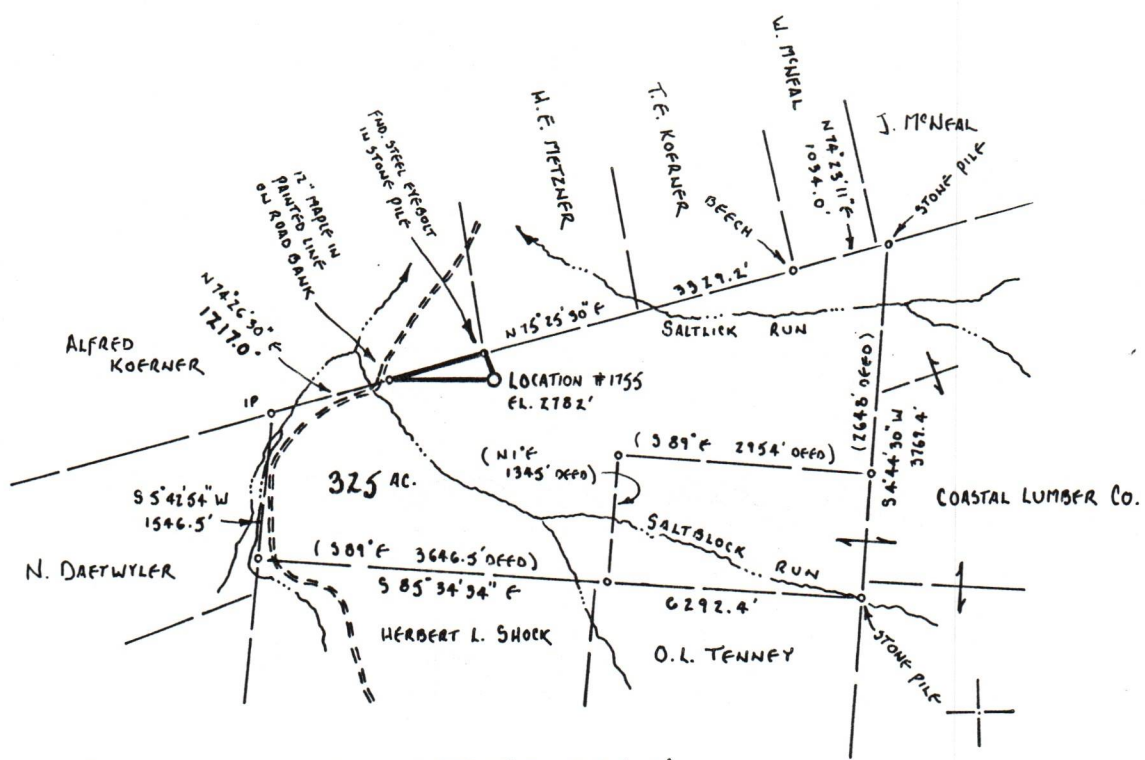
10/20/2023

M.S. 1-5-82

4100'

LATITUDE 38°42'30"
38°45'

LONGITUDE 80°10'00"



TIE FROM 12" MAPLE IN PTD. LINE TO LOCATION: N 89° 00' E 1084.4'
 TIE FROM EYEBOLT CORNER TO LOCATION: S 09° 05' E 274.5'
 TIE FROM 12" MAPLE TO EYEBOLT CORNER: N 74° 26' 30" E 1080.5'

COASTAL LUMBER Co. - surface 325 ac.
 J. M. HUBER - OIL & GAS 325 OF 620 AC.

NO KNOWN WELLS WITHIN 2400'.
 DESCRIPTION REPRESENTS RECENT SURVEY BY R.L. OSTRANDER, LLS.

FILE NO. W UDI 1-28 REV.
 DRAWING NO. 8-10-1 VAR 1-32
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 IN 2500
 PROVEN SOURCE OF ELEVATION KNOS 2100' SW of LOCATION - ELEVATION 2779'

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) Richard M. Howard
 R.P.E. _____ L.L.S. 706



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



DATE DECEMBER 8, 19 81
 OPERATOR'S WELL NO. 1755
 API WELL NO. 47-083-0579-Aen
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 2782' WATER SHED SALTICK & SALTBLOCK RUNS OF LEFT FORK
 DISTRICT MIDDLE FORK COUNTY RANDOLPH
 QUADRANGLE PICKENS 1 1/2'
 SURFACE OWNER COASTAL LUMBER Co. ACREAGE 325
 OIL & GAS ROYALTY OWNER J. M. HUBER LEASE ACREAGE 620
 LEASE NO. 924
 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 BEHSON ESTIMATED DEPTH 4400'
 WELL OPERATOR UNION DRILLING, INC. DESIGNATED AGENT UNION DRILLING, INC.
 ADDRESS P.O. DRAWER 40 ADDRESS P.O. DRAWER 40
BUCKHANNON, W. VA. 26201 BUCKHANNON, W. VA. 26201