



1) Date: November 9, 1983
 2) Operator's Well No. 1-1964
 3) API Well No. 47 - 053 - 0318
 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: 572.63 Watershed: Flatfoot Creek
 District: Clendenin County: Mason Quadrangle: Apple Grove
- 6) WELL OPERATOR Union Drilling, Inc.
 Address Post Office Drawer 40
Buckhannon, WV 26201
- 7) DESIGNATED AGENT Joseph Vanzant
 Address Post Office Drawer 40
Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Jerry Tephabock
 Address Route 1, Box 101-A
Ripley, WV 25271
- 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, Devonian Shale
- 12) Estimated depth of completed well, 3500' feet
- 13) Approximate trata depths: Fresh, ? feet; salt, ? feet.
- 14) Approximate coal seam depths: ? Is coal being mined in the area? Yes / No

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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		
Conductor	11-3/4		32		X	30'	30'	Kinds
Fresh water						100'	100'	cement to surface by rule 15-05
Coal								
Intermediate	8-5/8		23		X	1000'	1000'	286 sacks
Production	4-1/2	J-55	10.5	X		3500'	3500'	1013 sacks
Tubing								Depths set or as req. by rule 15.01
Liners								
								Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-053-0318

Date November 28, 1983

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 28, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKET BOND	Agent: <u>[Signature]</u>	Plat: <u>HUC</u>	Casing: <u>HUC</u>	Fee: <u>10574</u>
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[Signature]
 Administrator, Office of Oil and Gas

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

IV-9
(Rev 8-81)



DATE November 1, 1983

WELL NO. 1-1964

API NO. 47-053-0318

State of West Virginia

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Union Drilling Inc.
Address P. O. Drawer 40
Buckhannon, WV 26201
Telephone 304/472-4610

DESIGNATED AGENT Joseph Vanzant
Address P. O. Drawer 40
Buckhannon, WV 26201
Telephone 304/472-4610

LANDOWNER Richard Kinnaird

SOIL CONS. DISTRICT Western

Revegetation to be carried out by Union Drilling Inc. Joseph Vanzant (Agent)

This plan has been reviewed by Western SCD. All corrections and additions become a part of this plan: Nov 7, 1983 (Date)

Leslie Rayburn
(SCD Agent)

ACCESS ROAD

LOCATION

Structure 30" CMP culvert with rip rap (A)

Structure Drill pit (1)

Spacing At existing drain bed

Material Earth

Page Ref. Manual 2:7 2:8

Page Ref. Manual RECEIVED
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Structure _____ (B)

Structure _____

Spacing _____

Material _____
OIL & GAS DIVISION

Page Ref. Manual _____

Page Ref. Manual DEPT. OF MINES

Structure _____ (C)

Structure _____ (3)

Spacing _____

Material _____

Page Ref. Manual _____

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

Lime 3 Tons/acre
or correct to pH 6.5

Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Mulch Hay or straw 2 Tons/acre

Mulch Hay or straw 2 Tons/acre

Seed* Orchard Grass 30 lbs/acre

Seed* Orchard Grass 30 lbs/acre

Red Clover 4 lbs/acre

Red Clover 4 lbs/acre

Ladino Clover 2 lbs/acre

Ladino Clover 2 lbs/acre

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

08/25/2023

PLAN PREPARED BY C. T. Tolley, Jr.

ADDRESS 7911 Sissonville Drive

Sissonville, WV 25320

PHONE NO. 304/988-9432

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 Apple Grove 7.5'

1" = 2000'

LEGEND

Well Site ⊕

Access Road ———

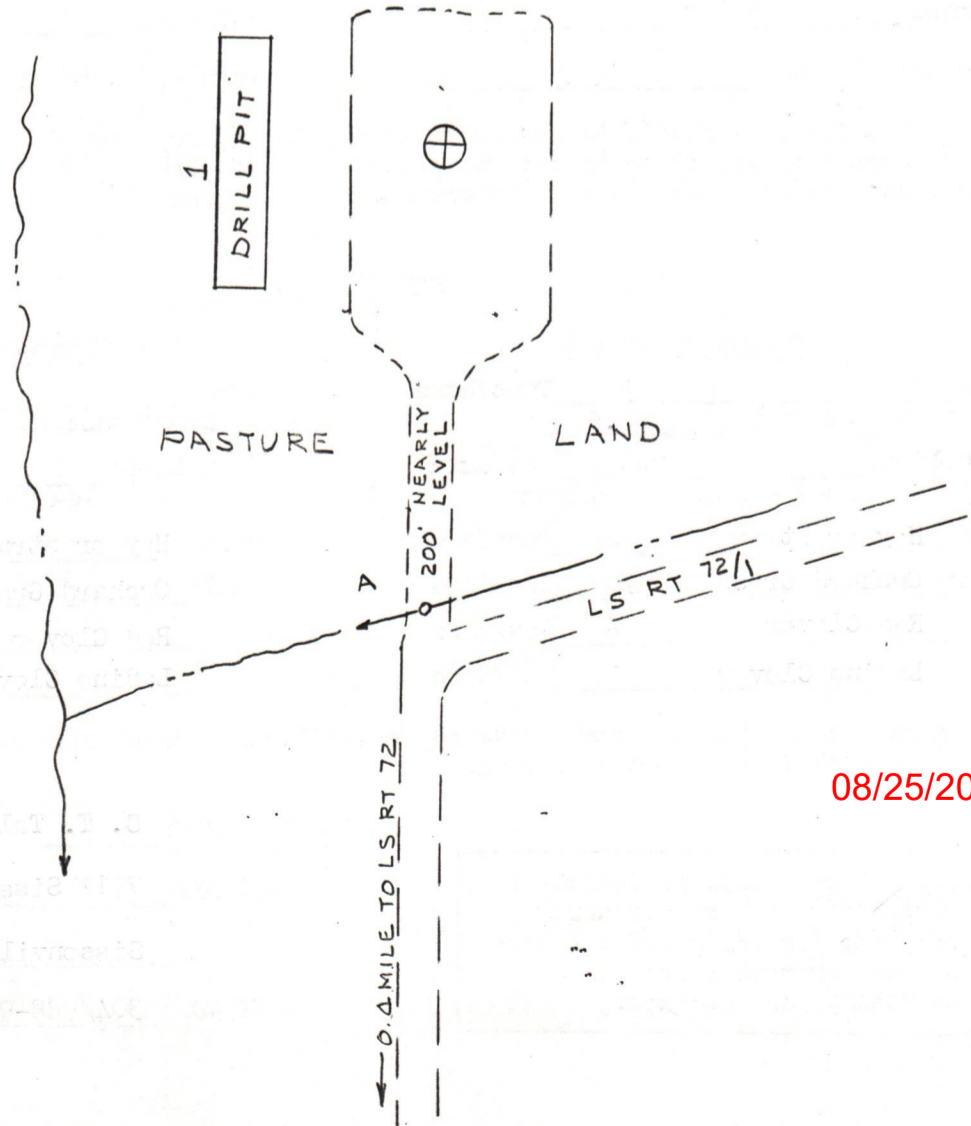


WELL SITE PLAN

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 ⇐ = = = = ⇒



08/25/2023

1) Date: November 9, 1983
2) Operator's Well No. 1-1964
3) API Well No. 47-053-0318
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

(i) Name Richard Kinnaird
Address Box 180

Address _____

Gallipolis Ferry, WV 25515

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:

(ii) Name _____
Address _____

Name Richard Kinnaird
Address Box 180

Gallipolis Ferry, WV 25515

(iii) Name _____
Address _____

Address _____

P-471 413 745
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

TO THE PERSON(S) NAME

- (1) The Applicant to be plugged and described
- (2) The plat
- (3) The Construction and Reclamation

THE REASON YOU WHICH ARE SUMMARIZE (FORM IV-2(B) OR FOR ACTION AT ALL.

Take notice that the operator proposes to... for a Well Work Permit... Department of Mines... and depicted on attached Construction and Reclamation... by hand to the person... before the day of...

6) EXTRACTION RIGHTS

Check and provide
 Included in this
I hold the
 The requirements

7) ROYALTY PROVISION

Is the right to enter... or other contract... 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

Sent to	
Richard Kinnaird	
Street and No.	
Box 180	
P.O., State and ZIP Code	
Gallipolis Ferry, WV 25515	
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	

PS Form 3800, Feb. 1982



and the following documents:

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

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

REGARDING THE APPLICATION THE COPY OF THE APPLICATION REQUIRED TO TAKE ANY

The undersigned well operator... accompanying documents... and Gas, West Virginia... on attached Application... lication, the plat, and the... certified mail or delivered... (circumstances) on...

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NOV 10 1983

contracts by which... side for specifics.)

OIL & GAS DIVISION
DEPT. OF MINES

on a lease or leases... any similar provision... related

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

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

Joseph C. Pettey
this 9th day of November, 1983.
My commission expires 5/22, 1989.

Sharon L. Stalner
Notary Public, Upshur County,
State of West Virginia

COMMISSIONED AS
SHARON L. KELLEY

08/25/2023

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>
Richard Kinnaird, et. ux.	Cyclops Corporation	1/8	45/320
Cyclops Corporation	Union Drilling, Inc.		49/507

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

Dowell - Foam Frac - 2/9/84

2352/2992 - Lower Huron - 60,000# 20/40 sand, 210 Bbls water and 1,018,000 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
River Gravel			0	30	
Sand & Shale			30	422	1" stream water @ 35', 97', & 368'
Big Lime			1145	1801	
Berea sand			1801	1832	
Sand & Shale			1832	2000	
Lower Huron			2720	2998	
Angola			3050	3142	
				3252 T.D.	Gas show at T.D.

(Attach separate sheets as necessary)

Union Drilling, Inc.
Well Operator

By: Joseph C. Pettey 08/25/2023
Date: Joseph C. Pettey, Vice President of Production

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 WELLS DIVISION

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FEB 7 - 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 053 0318

Oil or Gas Well _____
(KIND)

Company <u>Alvin Drilling</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm _____	16			Kind of Packer _____
Well No. _____	13			
District _____ County <u>Mason</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 3/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Dary Reed

Remarks: 1 30 84 moving into location with Rig
1 31 84 waiting on fuel truck.

DATE 1 31 84 Jerry T. [Signature] 08/25/2023

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

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FEB 7 - 1984

INSPECTOR'S WELL REPORT OIL & GAS DIVISION

DEPT. OF MINES
Oil or Gas Well _____
(KIND)

Permit No. 053 0318

Company Union Drilling

Address _____

Farm _____

Well No. _____

District _____ County Boone

Drilling commenced _____

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 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: Drilling 12 1/4" H₂O at 431' on air & foam

2-1-84
DATE

[Signature] 08/25/2023

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

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INSPECTOR'S WELL REPORT OIL & GAS DIVISION

DEPT. OF MINES

Permit No. 053 0318

Oil or Gas Well _____
(KIND)

Company <u>Alma Drilling</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm _____	16			Kind of Packer _____
Well No. _____	13			
District _____ County <u>Mason</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Reed, Gary

Remarks:

2 284 Ran 189TS, 9 5/8" csg set 762.45' Cement 230SKS By Powell
Standard 376 csg 2 49 BBL 15.6 lb Good Cement Return.

2 484 Ran 469TS 7" csg 1845.26' Best Set at 1855.26' Cement Powell
50SKS.

2 684 Ran 709TS 4 1/2" pipe 3079' set 3089' Cement Powell 85SKS

2 684 State Road now has Rig Stucked. Jerry 08/25/2023

DATE



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

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AUG 14 1984
OIL & GAS DIVISION
DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
February 22, 1984

COMPANY Union Drilling, Inc.

PERMIT NO 053-0318 11/83

P. O. Drawer 40

FARM & WELL NO Richard Kinnard #1

Buckhannon, West Virginia 26201

DIST. & COUNTY Clendenin/Mason

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

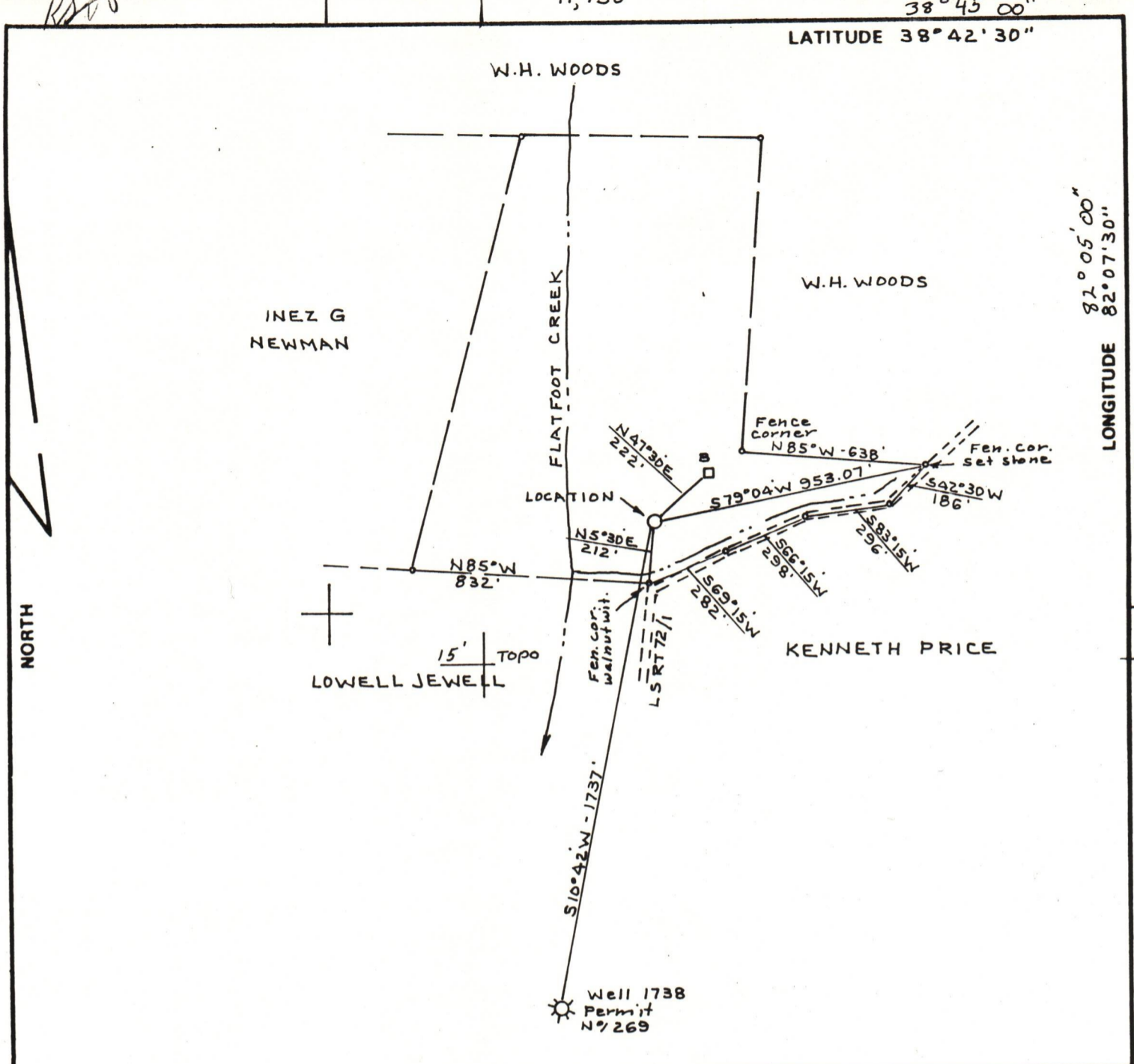
I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED George Tepehobok
DATE 8 9 8 4

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 24, 1984
DATE



FILE NO. BK 79 P 93

DRAWING NO. _____

SCALE 1" = 500'

MINIMUM DEGREE OF ACCURACY 1:200

PROVEN SOURCE OF ELEVATION UNION DRILLING WELL 1738 PERMIT 269 EL 564.70'

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. Valley Jr.

R.P.E. _____ L.L.S. 92

PLACE SEAL HERE

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

FORM IV-6 (8-78)



DATE OCT 31, 1983

OPERATOR'S WELL NO. 1-1964

API WELL NO. 47-053-0318

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 ___ SHALLOW X

LOCATION: ELEVATION 572.63 WATER SHED FLATFOOT CREEK
DISTRICT CLENDENIN COUNTY MASON
QUADRANGLE APPLE GROVE 7.5' - GW

SURFACE OWNER RICHARD KINNAIRD ACREAGE 30

OIL & GAS ROYALTY OWNER RICHARD KINNAIRD LEASE ACREAGE 30
LEASE NO. C-2-190

PROPOSED WORK: DRILL X 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 DEVONIAN SHALE ESTIMATED DEPTH 3500

WELL OPERATOR UNION DRILLING INC. DESIGNATED AGENT JOSEPH VANZANT

ADDRESS P.O. DRAWER 40 BUCKHANNON WVA 26201 ADDRESS P.O. DRAWER 40 BUCKHANNON WVA 26201

08/25/2023

111700
8/5