



FORM IV-2  
(Reverse)

(Revised 3-81)

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) \_\_\_\_\_

Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION Marcellus Shale  
Estimated depth of completed well 5600 feet. Rotary xx / Cable tools     /  
Approximate water strata depths: Fresh, 80 feet; salt,     feet.  
Approximate coal seam depths: N/A  
Is coal being mined in this area: Yes     / No xx /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL- UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill- ling	Left in Well		
Conductor	10"	RL	40.5#	XX		250	250	To Surface	Kinds
Fresh water									
Coal									Sizes
Intermed.	8 5/8	RL	23#	XX		1200	1200	To Surface	
Production Tubing	4 1/2	RL	10.5#	XX		5600	5600	By rule 1501	Depths set
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 §22-4-3, (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 §22-4-3a 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,**  
**ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY**  
**APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE**  
**IF OPERATIONS HAVE NOT COMMENCED BY 1-25-83**  
**BY [Signature]**

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:

W A I V E R

The undersigned coal operator     / owner     / lessee     / of the coal 08/18/2023 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.

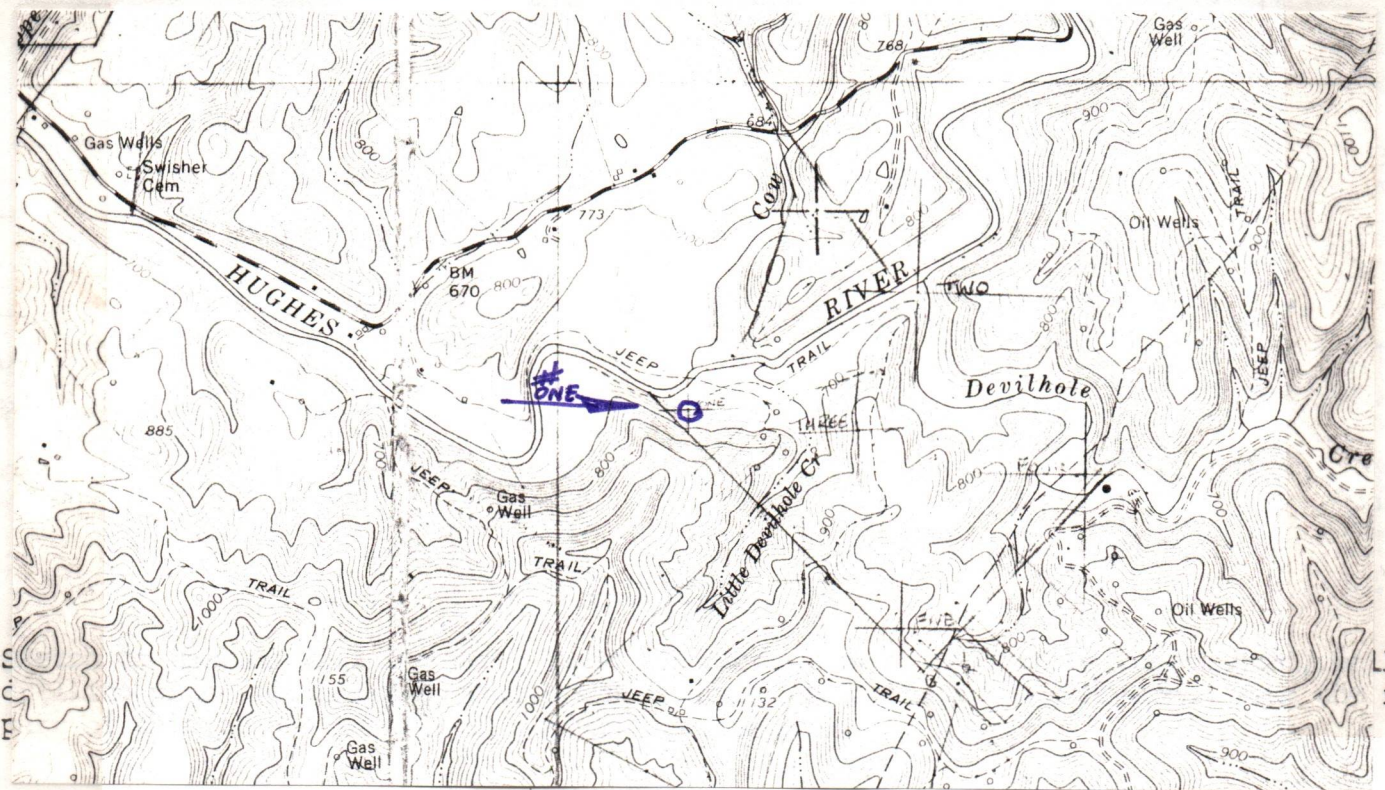
Date:    , 19   .

Not Applicable

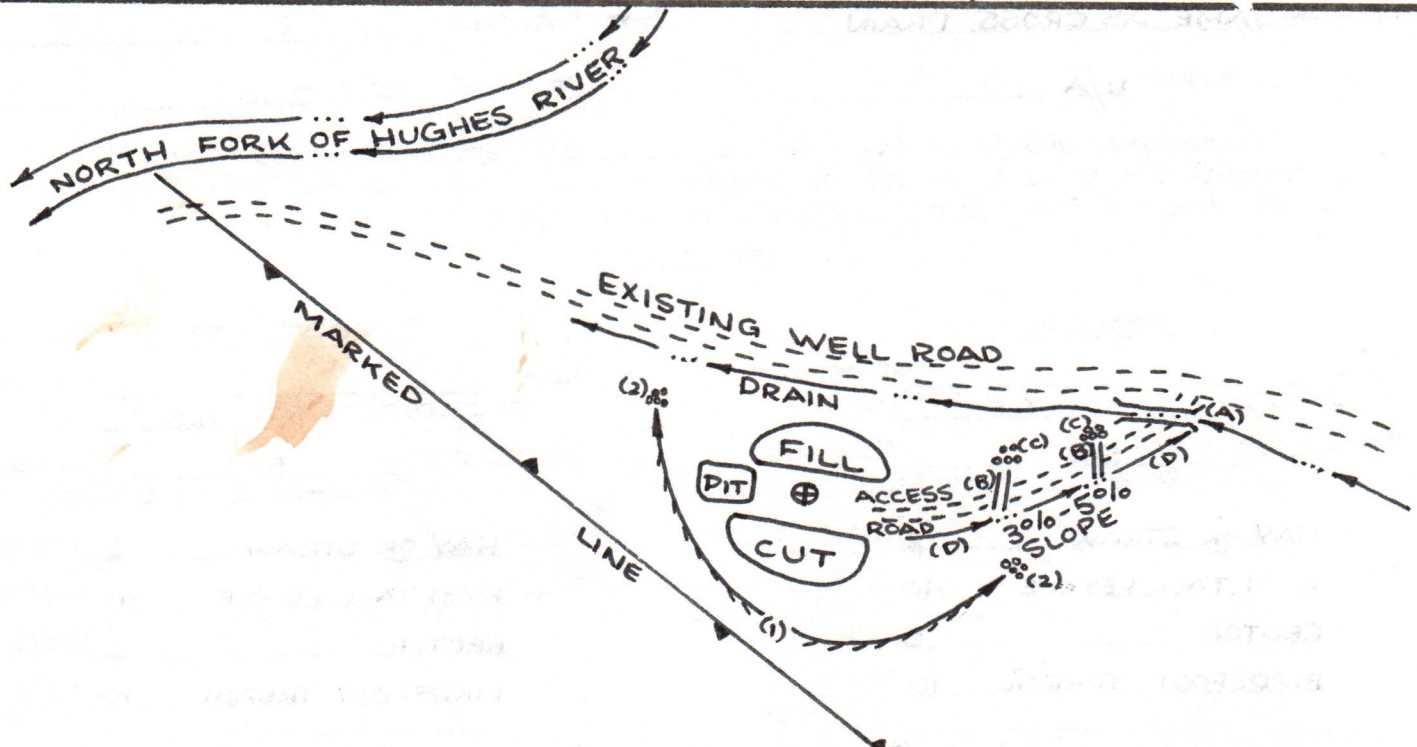
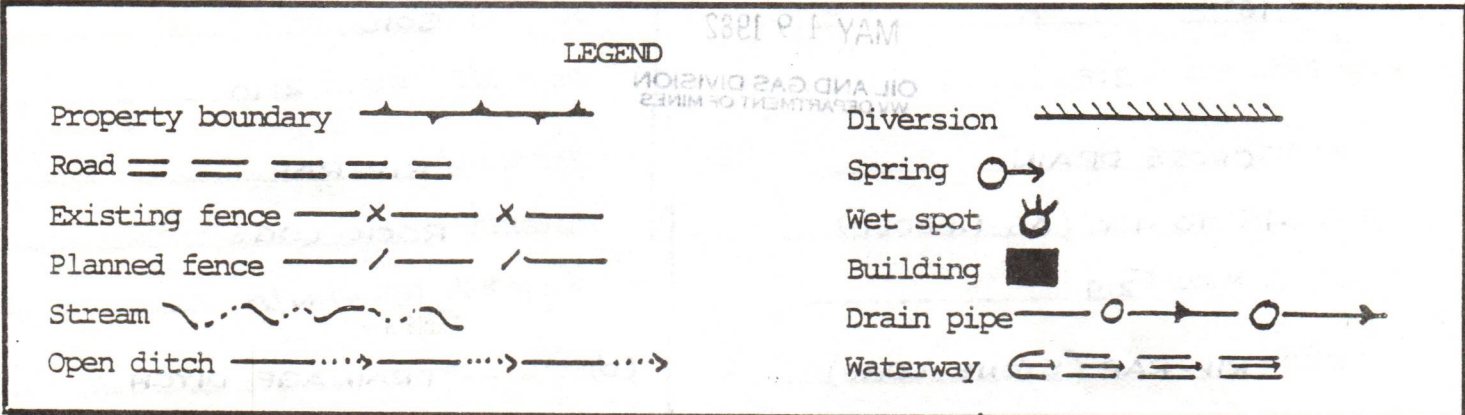
By: \_\_\_\_\_

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE CAIRO

LEGEND  
WELL SITE ⊕ ACCESS ROAD —



Little, first



- Comments:
1. LENGTH OF ACCESS ROAD 200' 08/18/2023
  2. BRUSH AND TREES TO BE PILED AT SITE.
  3. \_\_\_\_\_
  4. \_\_\_\_\_
  5. \_\_\_\_\_



IV-9  
(Rev 8-81)

DATE 5 MAY, 1982

WELL NO. ONE

State of West Virginia

API NO. 47 - 085 - 5633

Department of Mines  
Oil and Gas Division  
Construction & Reclamation Plan

COMPANY NAME L & B OIL COMPANY  
ADDRESS 210 SECOND STREET  
ST. MARYS, W.VA. 26170  
Telephone (304)684-2495

DESIGNATED AGENT LOREN BAGLEY  
ADDRESS 210 SECOND STREET  
ST. MARYS, W.VA. 26170  
Telephone (304)684-2495

LANDOWNER WESTVACO

SOIL CONS. DISTRICT LITTLE KANAWHA

Revegetation to be carried out by LOREN BAGLEY (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 5-14-82

(Date)  
Janett Newton  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure CULVERT **RECEIVED**

Structure DIVERSION DITCH (1)

Spacing 18" MAY 19 1982

Material SOIL

Page Ref. Manual 2:8 OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

Page Ref. Manual 2:10

Structure CROSS DRAIN (B)

Structure RIP-RAP (2)

Spacing 45' TO 400' (AS NEEDED)

Material ROCK-LOGS

Page Ref. Manual 2:4

Page Ref. Manual N/A

Structure RIP-RAP (STONE-LOGS) (C)

(D) Structure DRAINAGE DITCH (X)

Spacing SAME AS CROSS DRAIN

Material \_\_\_\_\_

Page Ref. Manual N/A

Page Ref. Manual 2:10

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 \_\_\_\_\_ Tons/acre  
or correct to pH 6.5

Lime \_\_\_\_\_ Tons/acre  
or correct to pH 6.5

Fertilizer 500 lbs/acre  
(10-20-20 or equivalent)

Fertilizer 500 lbs/acre  
(10-20-20 or equivalent)

Mulch HAY OR STRAW 2 Tons/acre

Mulch HAY OR STRAW 2 Tons/acre

Seed\* KY31 TALL FESCUE 40 lbs/acre

Seed\* KY31 TALL FESCUE 40 lbs/acre

REDTOP 5 lbs/acre

REDTOP 5 lbs/acre

BIRDSFOOT TREFOIL 10 lbs/acre  
lbs/acre

BIRDSFOOT TREFOIL 10 lbs/acre  
lbs/acre

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

08/18/2023

PLAN PREPARED BY WILLIAM R. MOSSOR, L.L.S.

ADDRESS 106 NORTH SPRING STREET

HARRISVILLE, W.VA. 26362

PHONE NO. (304)643-4572

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

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
STATUS INSPECTION REQUEST  
INSPECTOR'S COMPLIANCE REPORT

**RECEIVED**  
 OCT 23 1984

OIL & GAS DIVISION

**DEPT. OF MINES**

Permit No. 47-085-5633

County RITCHIE

Company. L+B OIL CO, INC.

Farm WESTVACO

Inspector. SAMUEL N. HERSMAN

Well No. WESTVACO #1

Date. 10-17-84

Issued. \_\_\_\_\_

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 Strength	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to prevent Waste	_____	_____
23.03	Reclaimed Drilling Site	_____	_____
23.04	Reclaimed Drilling Pits	_____	_____
23.05	No Surface or Underground Pollution	_____	_____
7.03	Identification Markings	_____	_____

*Cancel*

COMMENTS: Please cancel - no well drilled

I have inspected the above well and (Have/Have Not) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas-Department of Mines of the State of West Virginia.

SIGNED: Samuel N. Hersman

DATE: 10-17-84

08/18/2023



State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

November 28, 1984

WALTER N. MILLER  
DIRECTOR

THEODORE M. STREIT  
ADMINISTRATOR

L & B Oil Company, Inc.  
210 2nd. Street  
St. Marys, W.Va. 26170  
Attn: Bernard Tice

In Re: PERMIT NO:	085-5633
FARM:	Westvaco
WELL NO:	One
DISTRICT:	Grant
COUNTY:	Ritchie
ISSUED:	5-25-82

Gentlemen:

The FINAL INSPECTION REPORT for the above captioned well has been received in this office. Only the column checked below applies:

XXX The well designated by the above permit number has been released under your Blanket Bond. (PERMIT CANCELLED - NEVER DRILLED)

       Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

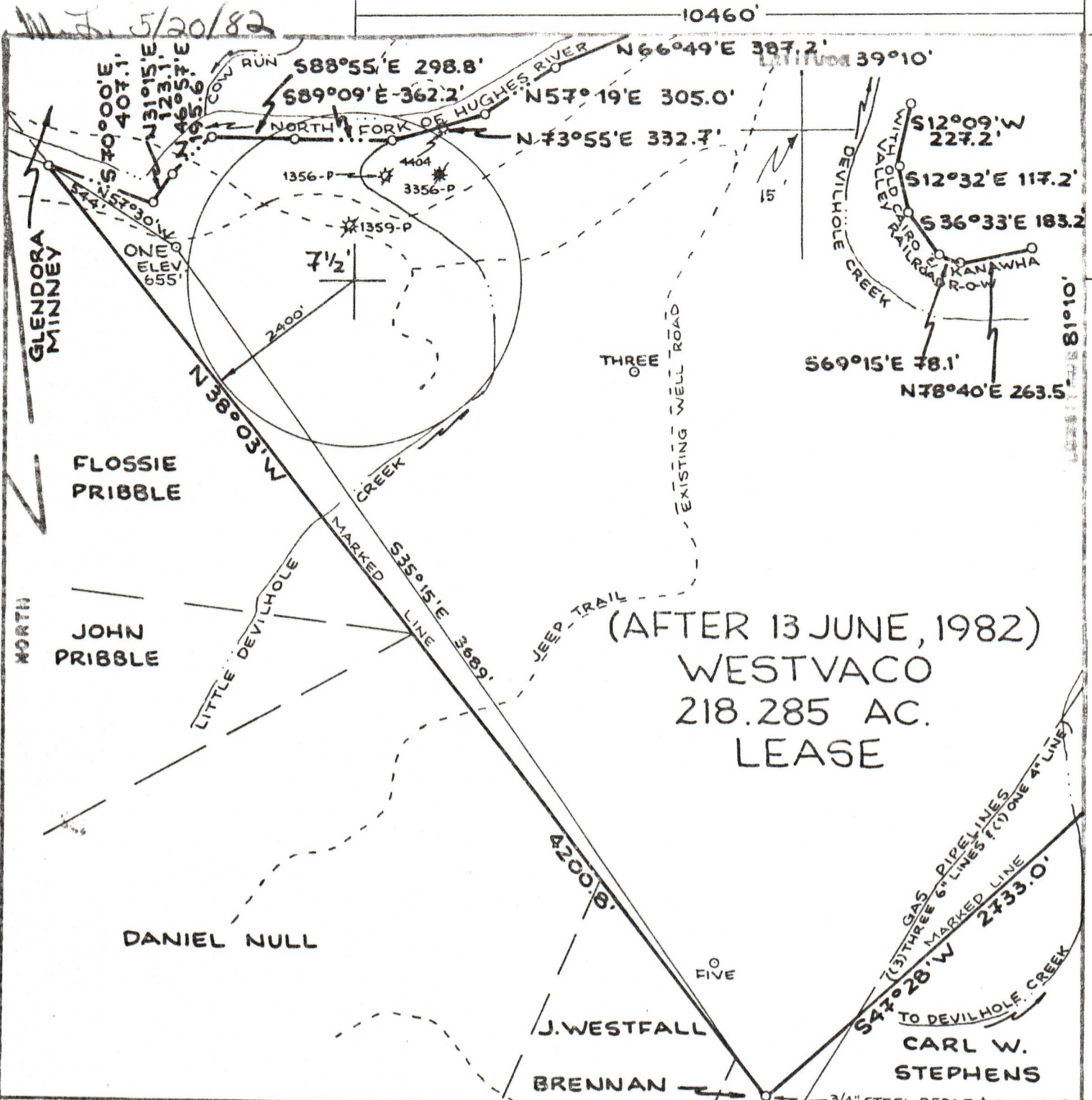
       Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above captioned well will remain under bond coverage for life of the well.

Very truly yours,

Theodore M. Streit, Administrator  
Office of Oil & Gas - Dept. Mines

TMS/ chm

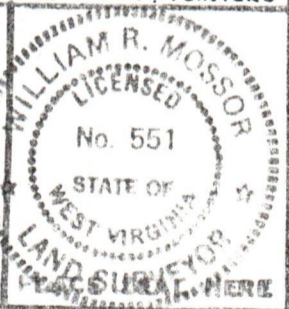
08/18/2023



(AFTER 13 JUNE, 1982)  
**WESTVACO**  
 218.285 AC.  
**LEASE**

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1"=500'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION HIGH PT. ELEV. 1132'

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) *William R. Mossor*  
 R.P.E. \_\_\_\_\_ L.L.S. 551



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



DATE 10 MAY, 1982  
 OPERATOR'S WELL NO ONE  
 API WELL NO. 47-085-5633  
 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 655' WATER SHED NORTH FORK OF HUGHES RIVER  
 DISTRICT GRANT COUNTY RITCHIE  
 QUADRANGLE CAIRO 7 1/2' QUAD.  
 SURFACE OWNER WESTVACO ACREAGE 218.285  
 OIL & GAS ROYALTY OWNER (AFTER 13 JUNE, 1982) WESTVACO LEASE ACREAGE 218.285  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUS OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUS AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUS \_\_\_\_\_  
 TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 5600'  
 WELL OPERATOR LIB OIL COMPANY DESIGNATED AGENT LOREN BAGLEY  
 ADDRESS 210 SECOND STREET ADDRESS 210 SECOND STREET  
ST. MARYS, W.VA. 26170 ST. MARYS, W.VA. 26170

08/18/2023

*Can called*