

FORM IV-2  
(Obverse)  
(12-81)



Date: June 24, 19 82

Operator's Well No. 233133-5

API Well No. 47 085 5747

State County Permit

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

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

LOCATION: Elevation: 935' Watershed: Run Into Bear Run  
District: Grant County: Ritchie Quadrangle: Schultz 7 1/2'

WELL OPERATOR PETROLEUM DEVELOPMENT CORPORATION DESIGNATED AGENT John R. Mitchell  
Address PO Box 26, 103 East Main Street Bridgeport, WV 26330

OIL & GAS ROYALTY OWNER Griffin Producing Company  
Address 320 South Boston, Suite #1504 Tulsa, Oklahoma 74103  
Acreage 1800

SURFACE OWNER Frank Amos  
Address 4019 Lorcom Lane Arlington, Va. 22207  
Acreage 98.17

FIELD SALE (IF MADE) TO:  
Address \_\_\_\_\_

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Reo Mace  
Address Rt 1, Box 5 Sandridge, WV 25274

COAL OPERATOR \_\_\_\_\_  
Address \_\_\_\_\_

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name N/A  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
OIL AND GAS DIVISION WV DEPARTMENT OF MINES

COAL LESSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_\_\_ / lease \_\_\_\_\_ other contract xx / dated April 29, 19 82, to the undersigned well operator from \_\_\_\_\_

(If said deed, lease, or other contract has been recorded:) sent in for recordation Recorded on \_\_\_\_\_, 19 \_\_\_\_\_, in the office of the Clerk of the County Commission of \_\_\_\_\_ County, West Va., in \_\_\_\_\_ Book \_\_\_\_\_ at page \_\_\_\_\_. A permit is requested as follows:

PROPOSED WORK: Drill xx / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Fracture or stimulate \_\_\_\_\_ / 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

08/18/2023  
PETROLEUM DEVELOPMENT CORPORATION  
By John R. Mitchell  
Its Area Manager of Operations



**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, 5900 feet Rotary xx / Cable tools \_\_\_\_\_ /

Approximate water strata depths: Fresh, 295 feet; salt, 495 feet.

Approximate coal seam depths: none Is coal being mined in the area? Yes \_\_\_\_\_ / No xx /

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		Top	Bottom
Conductor	16"	H	55#		x	30	--		Kinds	
Fresh Water	13 3/8"	H	48#	x		325'	325'	cement to surface		
Coal									Sizes	
Intermediate	10 3/4"	H-40	40#	x		900'	900'	cement to surface		
Production	7 5/8"	J-55	23#	x		3000'	3000'		Depths set	
Tubing						open hole completion		400 sks		
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,**  
**ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY**  
**APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE**  
**IF OPERATIONS HAVE NOT COMMENCED BY 3-29-83.**  
**BY Jud B. Smith**

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 **08/18/2023** 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: \_\_\_\_\_, 19 \_\_\_\_\_

By \_\_\_\_\_  
Its \_\_\_\_\_



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IV-9  
(Rev 8-81)

DATE 6-16-82

WELL NO. 233133-5

API NO. 47-085-5747

State of West Virginia  
Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Petroleum Development DESIGNATED AGENT John Mitchell  
Address P.O. 26 BRIDGEPORT W.Va. 26330 Address P.O. 26 BRIDGEPORT W.Va.  
Telephone 1-304-842-6256 Telephone 1-304-842-6256  
LANDOWNER FRANK AMOS SOIL CONS. DISTRICT Little Kanawha  
Revegetation to be carried out by SEEDING CONTRACTOR (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 6-19-82 (Date)

Jarrett Newton  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure DRAIN PIPE (A)  
Spacing (MIN. 12" I.D.)  
Page Ref. Manual 2:7

Structure Diversion Ditch (1)  
Material EARTHEN  
Page Ref. Manual 2:12

Structure DRAINAGE Ditch (B)  
Spacing N/A  
Page Ref. Manual 2:12

Structure Rip-Rap (2)  
Material STONE  
Page Ref. Manual N/A

Structure \_\_\_\_\_ (C)  
Spacing \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

Structure \_\_\_\_\_ (3)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_  
**RECEIVED**  
JUL 1 - 1982

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.

OIL AND GAS DIVISION  
W.V. DEPARTMENT OF MINES

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 NAY-2 Tons/acre  
Seed\* KY-31-20 lbs/acre  
ORCHARD GRASS-10 lbs/acre  
ALSIKE CLOVER-5 lbs/acre

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ORCHARD GRASS-10 lbs/acre  
ALSIKE CLOVER-5 lbs/acre

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

PLAN PREPARED BY Dave L. Stout

08/18/2023

ADDRESS P.O. 26

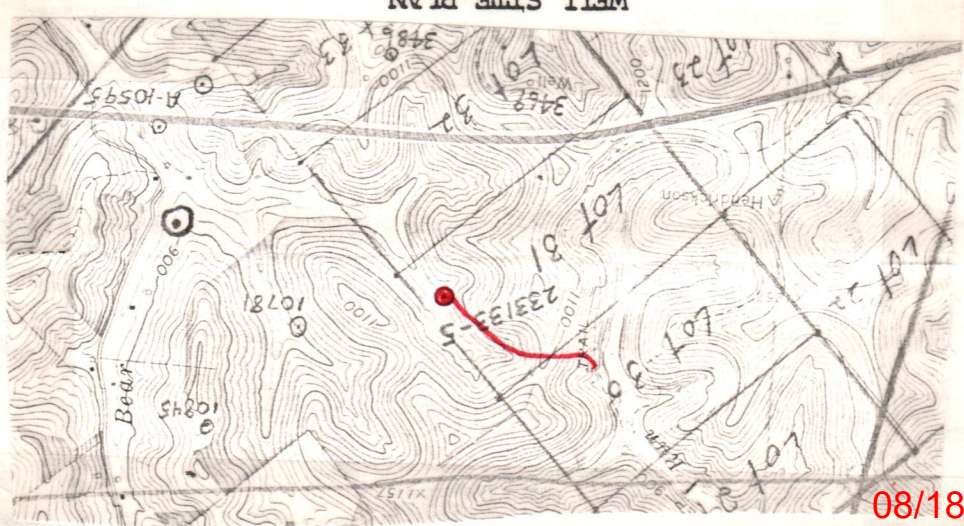
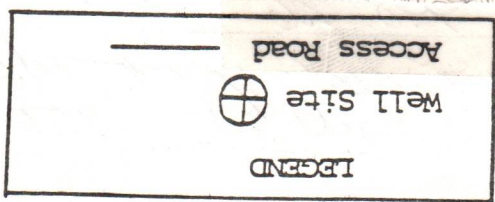
Bridgeport W.Va. 26330

PHONE NO. 1-304-842-6256

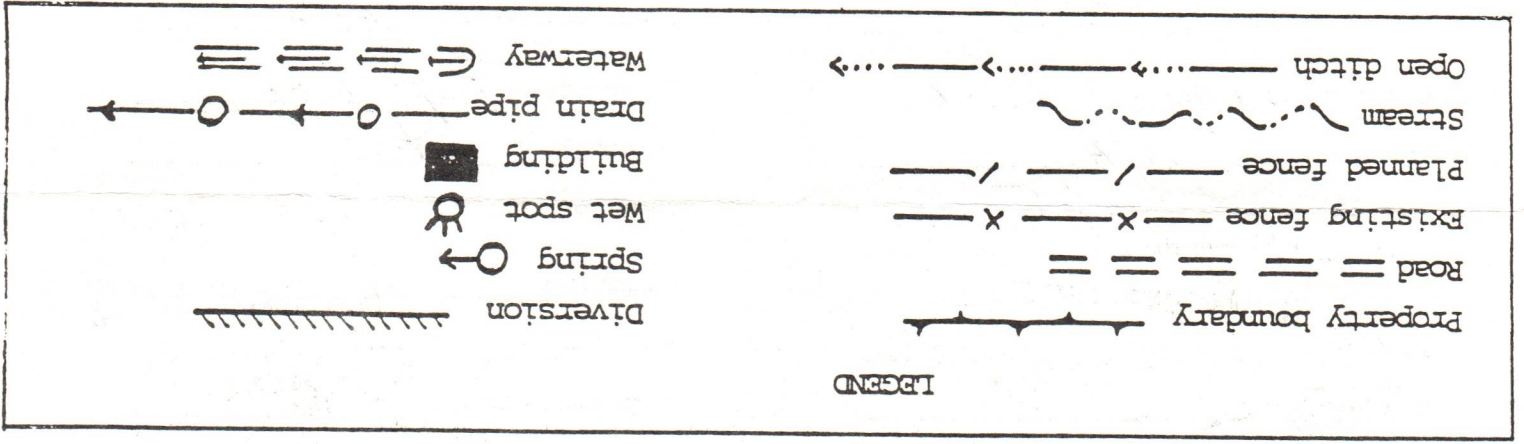
NOTES: Please request landowner's cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.



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



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



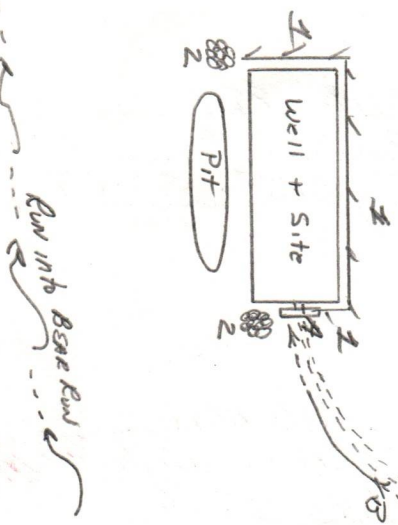
Existing roadway to be ditched + graded to assure proper drainage

JESP Trail

Roadway Slopes is Approx 6-8%

Cuts to be on 2:1 slope or less

Pit liner to be installed



Grtin Producing # 233133-5



**Petroleum  
Development  
Corporation**

103 East Main Street  
P. O. Box 26  
Bridgeport, West Virginia 26330

Phone: 304-842-3597

State of West Virginia  
Department of Mines  
Oil and Gas Division  
1615 Washington Street East  
Charleston, West Virginia 25311

Attention: Thomas E. Huzzey

RE: House Bill #1254

Dear Mr. Huzzey:

With regards to the payment to be made to the royalty owner on this property, please be advised that the lease does not provide for a flat well royalty or any similar provision for compensation. The royalty on this lease is based on volume of oil or gas to be extracted, produced or marketed.

Very truly yours,

PETROLEUM DEVELOPMENT CORPORATION

John R. Mitchell  
Area Manager of Operations

JRM/mjg

*RET-5747*



STATE OF WEST VIRGINIA

OFFICE OF OIL AND GAS

NOTICE OF EXPIRED PERMIT

Permit number: 47- 85-5747  
Company: PETROLEUM DEVE CORP  
Date: 27-Nov-84  
Date issued: 7/09/82

County: RITCHIE  
Farm: FRANK AMOS #233133-5  
Well no.:  
Date expired: / / 0

I have inspected the above wellsite and found no well work done. Please  
cancel this well work permit.

Signed: Samuel McKersman

Date: 1-3-85

**RECEIVED**  
JAN 8 - 1985  
OIL & GAS DIVISION  
DEPT. OF MINES

08/18/2023



State of West Virginia

Department of Mines  
Oil and Gas Division

Charleston 25305  
January 23, 1985

THEODORE M. STREIT  
ADMINISTRATOR

BARTON B. LAY, JR.  
DEPUTY DIRECTOR

Petroleum Development Co.  
P.O. Box 26  
Bridgeport, WVa. 26330.

In Re: Permit No:	RIT-5747
Farm:	Frank Amos
Well No:	Griffin Producing #5
District:	Grant
County:	Ritchie
Issued:	7-9-82

Gentlemen:

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

The well designated by the above captioned permit number has been released XXXXX 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  
Dept. Mines-Office of Oil & Gas

TMS/ chm

08/18/2023