

RECEIVED

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

APR 23 1982

OIL AND GAS DIVISION WV DEPARTMENT OF MINES



Date: April 16th, 19 82

Operator's Well No. #1

API Well No. 47 085 5583

State County Permit

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

OIL AND GAS WELL PERMIT APPLICATION

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

LOCATION: Elevation: 835' Watershed: South Fork Hughes River District: Murphy County: Ritchie Quadrangle: MacFarlan 7 1/2'

WELL OPERATOR Petroleum Development Corporation DESIGNATED AGENT John R. Mitchell

Address PO Box 26, 103 East Main St. Bridgeport, WV 26330

Address PO Box 26, 103 East Main St. Bridgeport, WV 26330

OIL & GAS ROYALTY OWNER William R. Border, et ux

Address 2402 36th Street Parkersburg, WV 26104

Acreage 30

SURFACE OWNER same as royalty

Address

Acreage

FIELD SALE (IF MADE) TO:

Address

OIL & GAS INSPECTOR TO BE NOTIFIED

Name K. Paul Goodnight

Address Smithville, WV 26178

COAL OPERATOR

Address

COAL OWNER(S) WITH DECLARATION ON RECORD:

Name same as royalty

Address

Name

Address

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 x other contract / dated September 29, 19 81, to the undersigned well operator from William R. Border, et ux

(IF said deed, lease, or other contract has been recorded:)

Recorded on October 15, 19 81, in the office of the Clerk of the County Commission of Wirt County, West Va., in Book 138 at page 779. A permit is requested as follows:

PROPOSED WORK: Drill x / 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

04/26/2024

Petroleum Development Corporation

By John R. Mitchell 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, 5800 feet Rotary x / Cable tools _____ /

Approximate water strata depths: Fresh, 40 feet; salt, 1700 feet.

Approximate coal seam depths: N/A 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	30'	30'	circulate	Kinds
Fresh Water									
Coal									Sizes
Intermediate	8 5/8	H-40	23#	x		1800'	1800'	circulate	
Production	4 1/2	J-55	10.5#	x		5800'	5800'	2800'	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,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 12-28-82.
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.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location 04/26/2024 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 _____

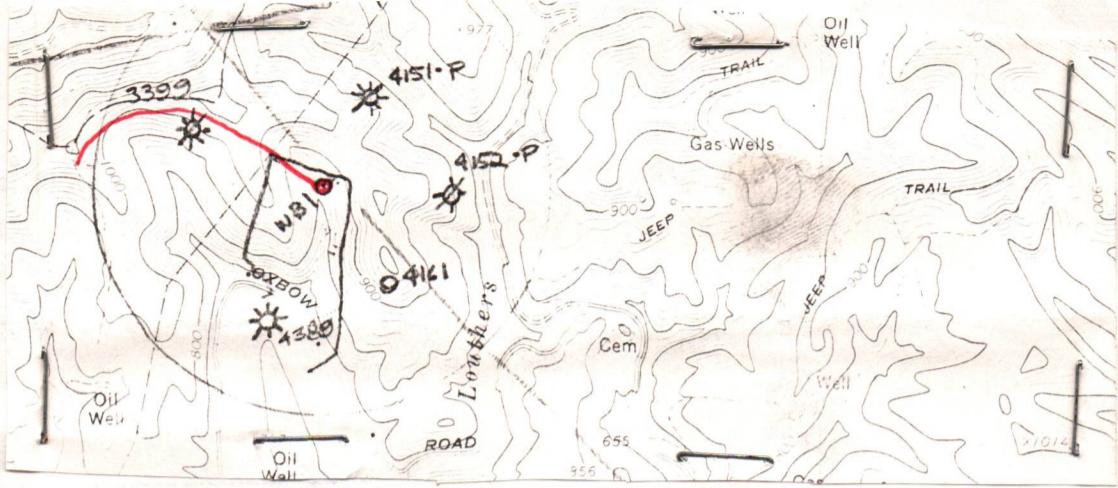
ATTACH OR PHOTOCOOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE MAGFARLIN 7.5

E822

LEGEND

Well Site 

Access Road 











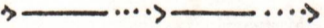



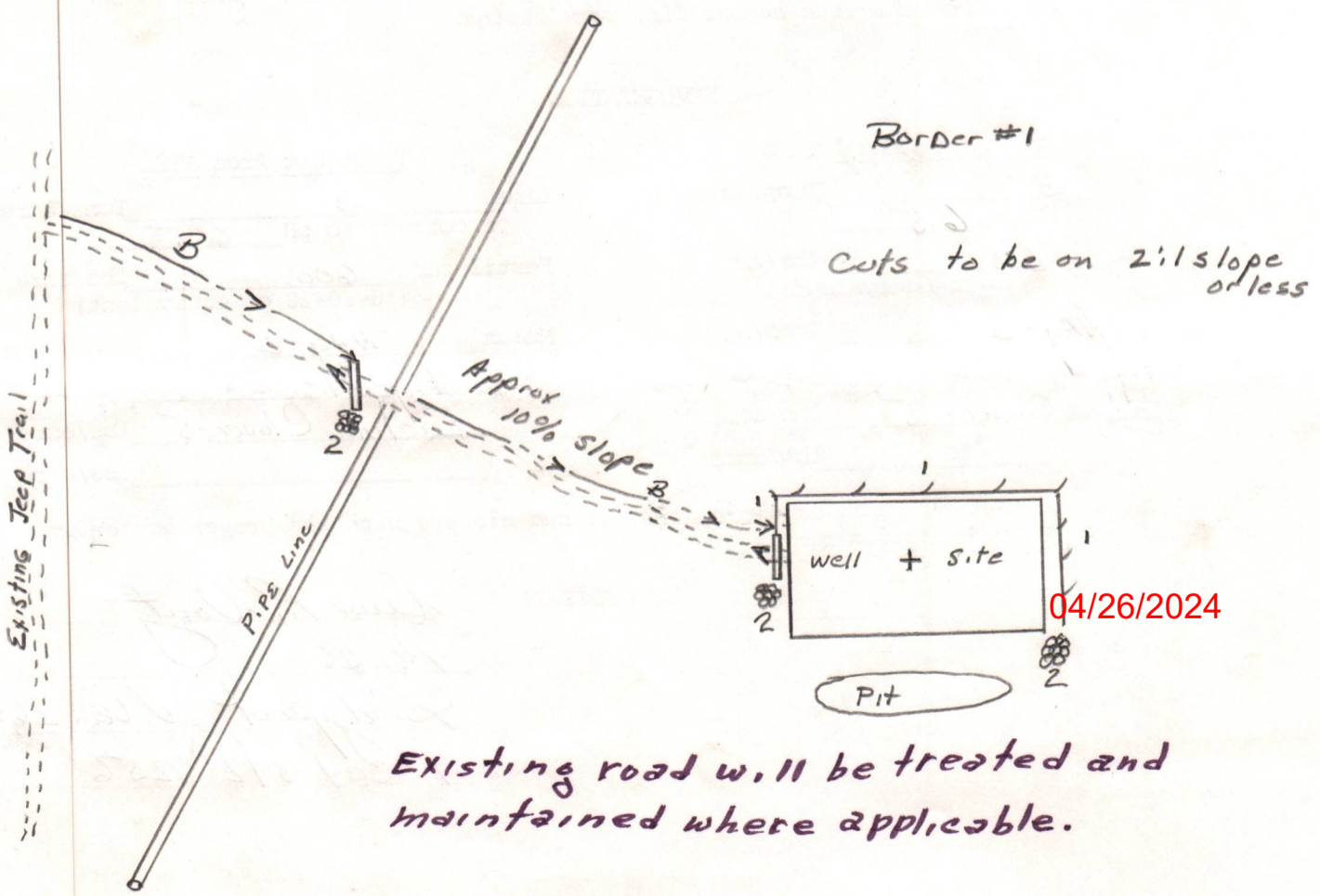
WELL SITE PLAN

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

Land Use: Pasture Hayland Cropland Woodland

LEGEND

Property boundary 	Diversion 
Road 	Spring 
Existing fence 	Wet spot 
Planned fence 	Building 
Stream 	Drain pipe 
Open ditch 	Waterway 



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IV-9
(Rev 8-81)

APR 23 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES



State of West Virginia
Department of Mines
Oil and Gas Division

DATE April 16 - 82
WELL NO. 1
API NO. 47 - 085 - 5583

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Petroleum Development Corp.
Address P.O. 26, BRIDGEPORT W. Va. 26330
Telephone 1-304-842-6256

DESIGNATED AGENT John Mitchell
Address P.O. 26, BRIDGEPORT W. Va. 26330
Telephone 1-304-842-6256

LANDOWNER William BORDER

SOIL CONS. DISTRICT Little Kanawha
(Agent)

Revegetation to be carried out by Seeding Contractor

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 4-18-82
(Date)

Jarrett Newlon
(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 _____

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 Hay-2 Tons/acre
Seed* Ky-31-35 lbs/acre
Ladina Clover-5 lbs/acre
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 Hay-2 Tons/acre
Seed* Ky-31-35 lbs/acre
Ladina Clover-5 lbs/acre
lbs/acre

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

PLAN PREPARED BY Dave R. Doug 04/26/2024

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.

1
RECEIVED

OCT 17 1983

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

OIL & GAS DIVISION
DEPT. OF MINES FINAL INSPECTION REQUEST

INSPECTOR'S COMPLIANCE REPORT

Permit No. 085-5583
Company PET DEV. CORP.
Inspector MIKE U.
Date 10-11-83

County Ritchie
Farm William R. Boeder
Well No. 1#

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	<u>X</u>	_____
23.04	Reclaimed Drilling Pits	<u>X</u>	_____
23.05	No surface or underground Pollution	_____	_____
7.03	Identification Markings	_____	_____

COMMENTS:

LOCATION BUILT, NEVER DRILLED, ALL RECLAIMED
CANCELLED PERMIT.
O.K. TO RELEASE

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:

DATE:

Mike Underwood 04/26/2024
10-11-83



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

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

October 31, 1983

Petroleum Development Corp.
P. O. Box 26
Bridgeport, W. Va. 26330

In Re: PERMIT NO: 47-085-5583
FARM: William R. Border, et ux
WELL NO: 1
DISTRICT: Murphy
COUNTY Ritchie (4/82)

Gentlemen:

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

XXXXXX 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,

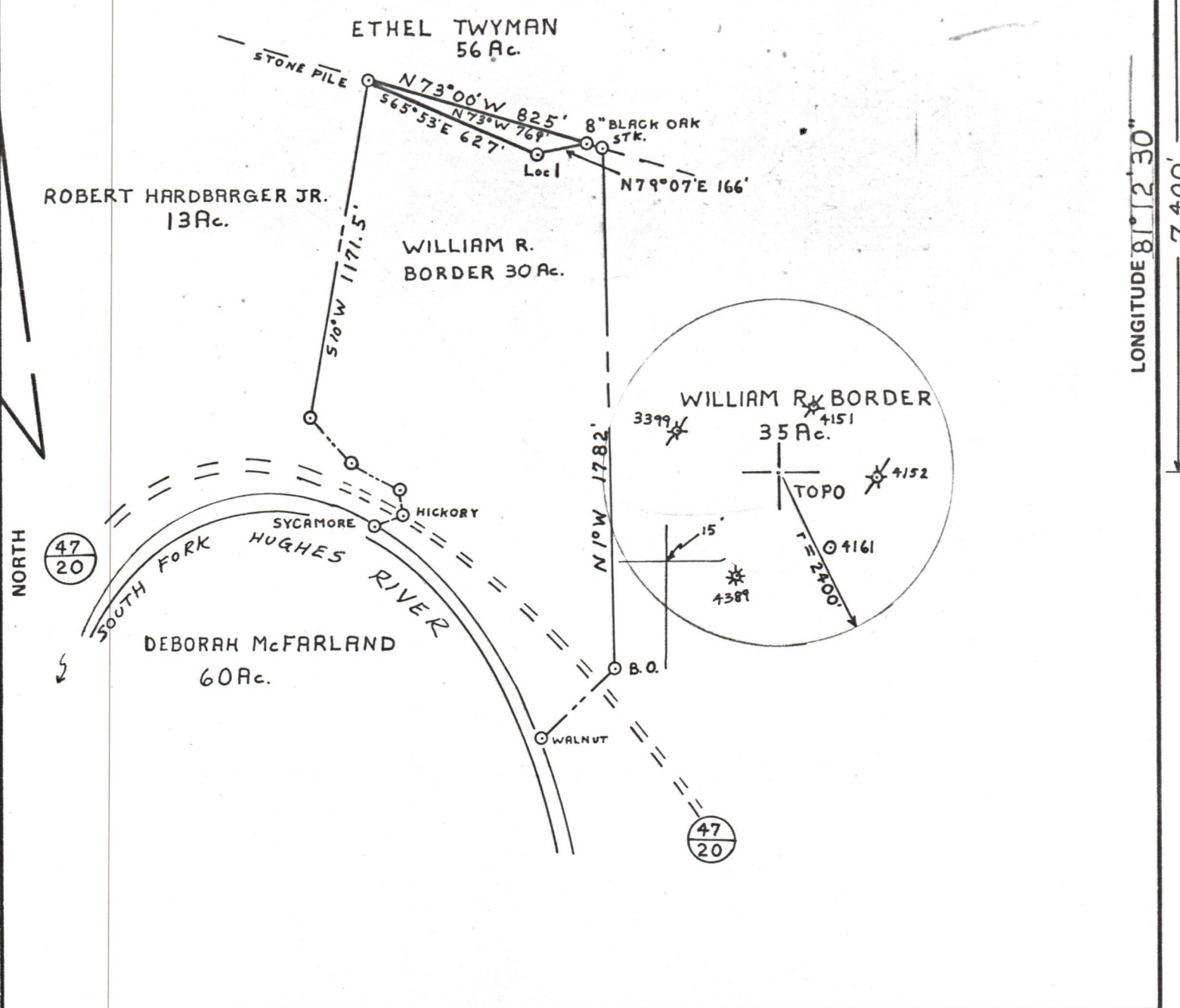
Theodore M. Streit, Administrator
Office of Oil & Gas-Dept. Mines

04/26/2024

M. 2 4/26/82

5,150 LATITUDE 39°07'30"

LONGITUDE 81°2'30" 7,400'



FILE NO. P.D.C. 4 - P. 15
 DRAWING NO. 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION EXISTING WELL RITCHIE 4389 = 658'

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) Paul G. Dean, Sr.
 R.P.E. 1856 L.L.S. _____

PLACE SEAL HERE

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



DATE APRIL 14, 1982
 OPERATOR'S WELL NO. 1
 API WELL NO. 47 - 085 - 5583
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

CANCELLED

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 835' WATER SHED SOUTH FORK HUGHES RIVER
 DISTRICT MURPHY COUNTY RITCHIE
 QUADRANGLE MACFARLAN 7 1/2
 SURFACE OWNER WILLIAM R. BORDER ACREAGE 30
 OIL & GAS ROYALTY OWNER WILLIAM R. BORDER LEASE ACREAGE 32
 LEASE NO. 256500
 PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

04/26/2024

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 5800'
 WELL OPERATOR PETROLEUM DEVELOPMENT DESIGNATED AGENT JOHN R. MITCHELL
 ADDRESS P.O. BOX 26 ADDRESS P.O. BOX 26
BRIDGEPORT W.V. BRIDGEPORT W.V.