



Date: September 29, 19 82

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

Operator's Well No. #1

API Well No. 47 085 5924 State County Permit

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

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

LOCATION: Elevation: 625' Watershed: S. Fork Hughes River District: Grant County: Ritchie Quadrangle: Girta

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 Martha P. Hall & H. P. Alexander Address Martha Parker Hall, PO Box 126 Wellfleet, Mass. 02667 Harriett Parker Alexander 306 W. 75th St, New York City, NY 10023

COAL OPERATOR Address

Acres 28 1/2

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER same as royalty owner

Name

Address

Address

Acres 28 1/2

Name

FIELD SALE (IF MADE) TO:

Address

Address

OIL & GAS INSPECTOR TO BE NOTIFIED

COAL LESSEE WITH DECLARATION ON RECORD:

Name Samuel N. Hersman

Name

Address PO Box 66

Address

Smithville, WV 26178

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease xx other contract / dated August 6, 19 82, to the undersigned well operator from Harriett Parker Alexander and Martha Parker Hall (IF said deed, lease, or other contract has been recorded:)

Recorded on August 16, 19 82, in the office of the Clerk of the County Commission of Ritchie County, West Va., in lease Book 147 at page 227. 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

RECEIVED

SEP 30 1982

OIL & GAS DIVISION DEPT. OF MINES

BLANKET BOND

04/05/2024

PETROLEUM DEVELOPMENT CORPORATION

By John R. Mitchell Well Operator 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, 25 feet; salt, 125,1545 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		Kinds	Sizes
Conductor	16"	--	--		x	20'	20'			
Fresh Water	11 3/4	H-40	42#	x		50'	50'	cement to surface		
Coal										
Intermediate	8 5/8	H-40	23#	x		1585'	1585'	cement to surface		
Production	4 1/2	LJ-55	10.5#	x		5900'	5900'	500 sks		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 5-31-83
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.

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 shown on a 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 _____

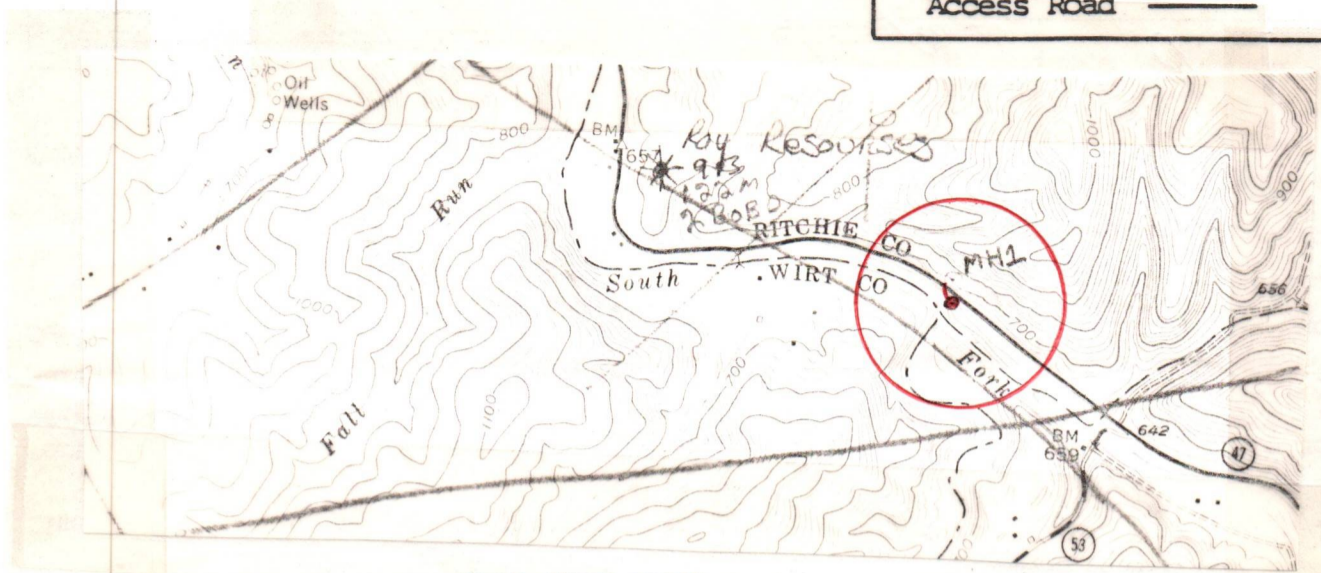
By _____
Its _____

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

LEGEND

Well Site ⊕

Access Road ———

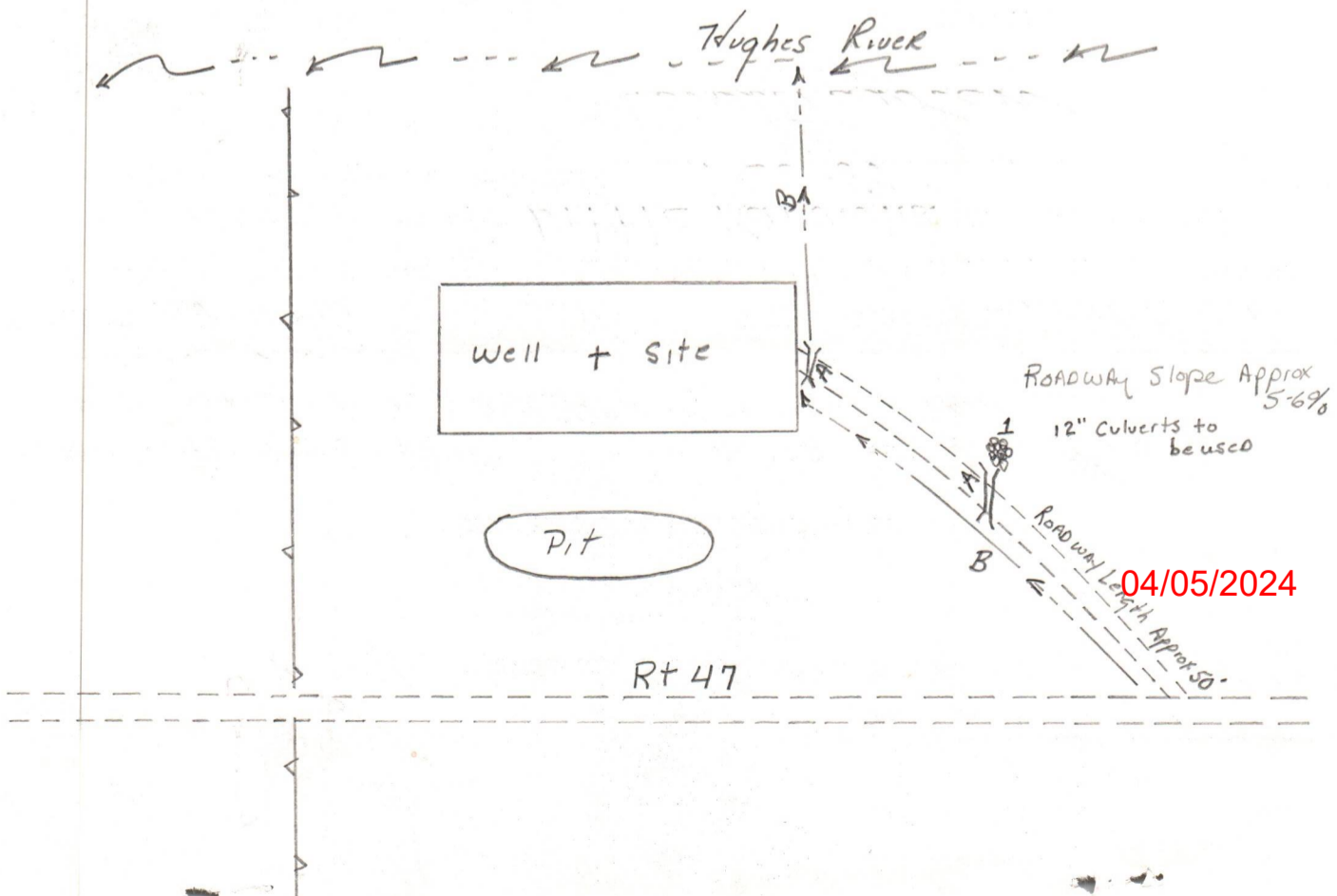


WELL SITE PLAN

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—x—	Wet spot ☼
Planned fence —/—/—	Building ■
Stream ~~~~~	Drain pipe —○→○→
Open ditch ———>———>———>———>———	Waterway <==>==>==>==



04/05/2024

[Handwritten Signature]



DATE 9-29-82
WELL NO. 1
API NO. 47-085-5924

State of West Virginia
Department of Mines
Oil and Gas Division

04/05/2024

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Petroleum Development Corp.
DESIGNATED AGENT John Mitchell
Address P.O. 26 Bridgeport W.Va. 26330
Telephone (304) 842-6256
LANDOWNER Martha Hall
SOIL CONS. DISTRICT Little Kanawha
Revegetation to be carried out by Seedvic Contractor (Agent)
This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 9-30-82
(Date)
[Signature] (SCD Agent)

ACCESS ROAD

LOCATION	Structure	Spacing	Page Ref. Manual	Material	Structure	Spacing	Page Ref. Manual	Material	Structure	Page Ref. Manual
(A)	<u>Drain Pipe</u>	<u>(min. 12" I.D.)</u>	<u>2.7</u>							
(B)	<u>Drainage Ditch</u>									
(1)	<u>Rip-Rap</u>	<u>Stone</u>	<u>2-10</u>							
(2)										
(3)										

OIL & GAS DIVISION
DEPT. OF MINES

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 <u>3</u> Tons/acre or correct to pH <u>6.5</u>	Lime <u>3</u> Tons/acre or correct to pH <u>6.5</u>
Fertilizer <u>600</u> lbs/acre (10-20-20 or equivalent)	Fertilizer <u>600</u> lbs/acre (10-20-20 or equivalent)
Mulch <u>44y-2</u> Tons/acre	Mulch <u>44y-2</u> Tons/acre
Seed* <u>40</u> lbs/acre <u>Ky-31-40</u>	Seed* <u>40</u> lbs/acre <u>Ky-31-40</u>
<u>Red Top-5</u> lbs/acre	<u>Red Top-5</u> lbs/acre

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

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

PLAN PREPARED BY James R. Young
ADDRESS P.O. 26 Bridgeport W.Va. 26330
PHONE NO. (304) 842-6256



**Petroleum
Development
Corporation**

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

Phone: 304-842-3597

*Ret-
5924*

RECEIVED

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

~~1982~~
Sept. 30
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

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
John R. Mitchell
Area Manager of Operations

JRM/mjg

RECEIVED

SEP 30 1982

OIL & GAS DIVISION
DEPT. OF MINES

04/05/2024

4 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. 085-5924 County Ritchie
Company PET. DEV. CORP. Farm Maetha Hall
Inspector MIKE U. Well No. 1st
Date 10-11-83

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	X	___
23.04	Reclaimed Drilling Pits	X	___
23.05	No surface or underground Pollution	___	___
7.03	Identification Markings	___	___

COMMENTS:

Location Built, NEVER DRILLED, RECLAIMED.
Cancelled permit.
Out 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
10-11-83

04/05/2024



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: 47-085-5924
FARM: Martha P. Hall/H. P. Alexander
WELL NO: 1
DISTRICT: Grant
COUNTY Ritchie (10/82)

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,

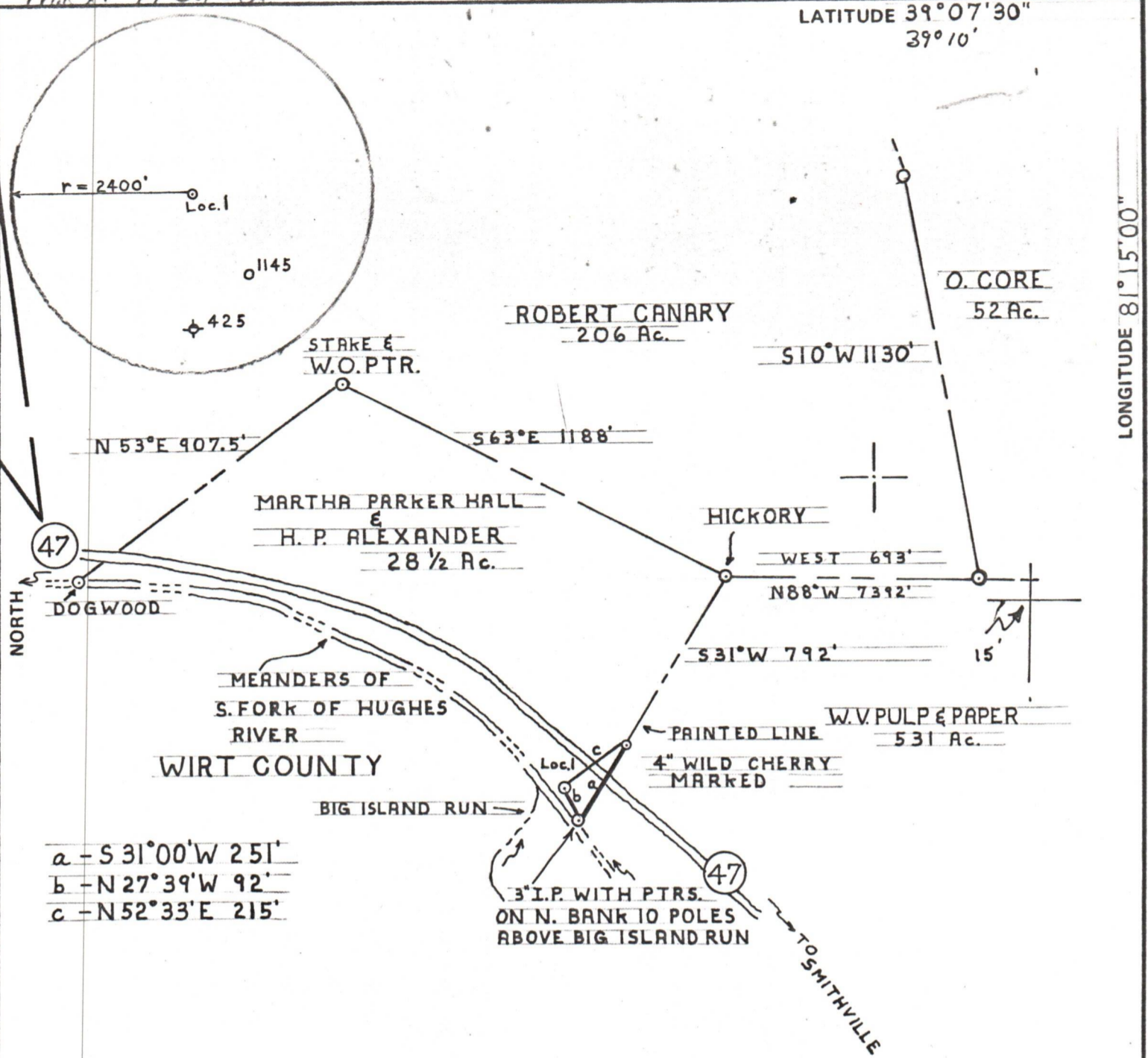
Theodore M. Streit, Administrator
Office of Oil & Gas-Dept. Mines

04/05/2024

W.V. 9/30/82

LATITUDE 39°07'30"
39°10'

LONGITUDE 81°15'00"



a - S 31°00'W 251'
b - N 27°39'W 92'
c - N 52°33'E 215'

FILE NO. P.D.C.# 4 P. 50
DRAWING NO. 1
SCALE 1" = 400'
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION B.M. = 657' ON RT. 47

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 Jr.
R.P.E. 1856 L.L.S. _____

PLACE SEAL HERE

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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE SEPT. 27, 1982
OPERATOR'S WELL NO. 1
API WELL NO. 47 - 085 - 5924
STATE COUNTY PERMIT
CANCELLED

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 625' WATER SHED SOUTH FORK HUGHES RIVER
DISTRICT GRANT COUNTY RITCHIE
QUADRANGLE GIRTA 7 1/2'

SURFACE OWNER MARTHA HALL & H.P. ALEXANDER ACREAGE 28 1/2
OIL & GAS ROYALTY OWNER M. HALL & H.P. ALEXANDER LEASE ACREAGE 28 1/2
LEASE NO. 309600

04/05/2024

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 MARCELLUS SHALE ESTIMATED DEPTH 5900'
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.