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2) Operator's Well No.__

47 085 3) API Well No.

County

6129 Permit

DRILLING CONTRACTOR:

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

August 28, 1983

Agent: OK

Permit expires
Bond:

unless drilling is commenced prior to that date and prosecuted with the diligence.

Administrator, Office of Oil and Gas

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
 - "Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less then six thousand feet, whatever is shallower.
 - 5) Where well is located
 - 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
 - 7) Use separate sheet if necessary
 - 8) Present surface owner at time application is filed.
 - 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
 - Work that will be attempted—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.
 - 16) Anticipated formation for which well will be completed
 - 17) Self explanatory
 - 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
 - 19) All coal seam depths
 - 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
 - 21) Code 22-4-11(c) In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1)A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4)A brief description of the royalty provisions of each such lease or contract.
 - 22) Code 22-4-11(d) and 22-4-11(e).
 - 23) 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.
 - 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.

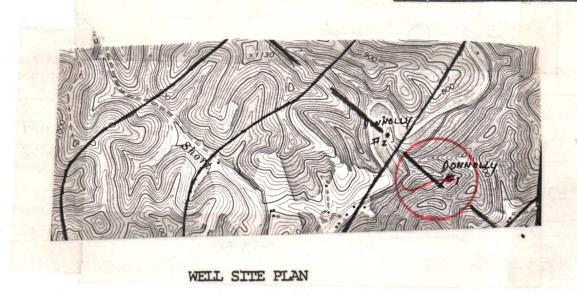
The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

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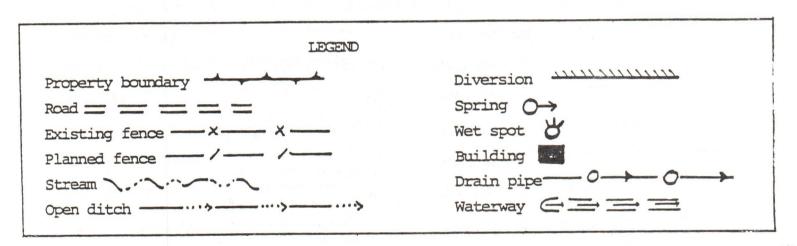
	TIMOW	AIVER		11	LINE CALLET MATERIAL CONTRACTORS
The undersigned coal operator	/ owner	/ lessee	/of the coal	under this we	3/29/2024 ell location has ex-
amined this proposed well location. If	a mine map exists wh	ich covers the are	ea of the well loca	tion, the well	location has been
added to the mine map. The undersign	ed has no objection to	the work propos	sed to be done at t	his location,	provided, the well
operator has complied with all applica	ble requirements of t	he West Virginia	Code and the go	overning regu	lations.
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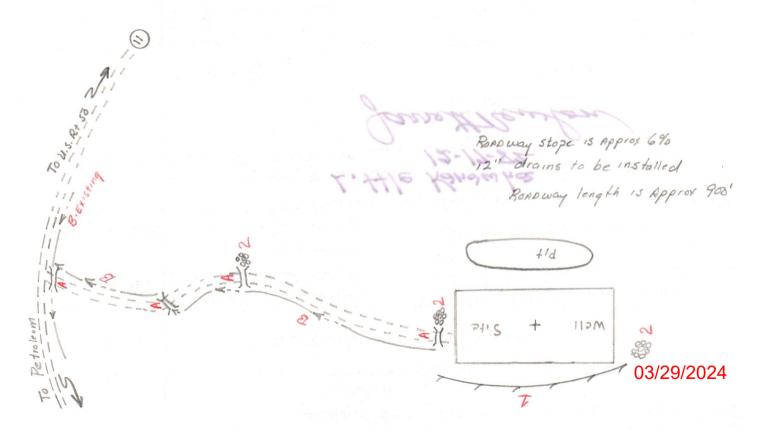
ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE CARO 7.5

Well Site Access Road —



ketch 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.





MEIT NO DATE DECEMBER 16, 82

(Rev 8-81) 6-AI

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Attach separate sheers as heces as necessary for commence.

ATTACHMENT TO
FORM IV-2 (6-82)
OIL & GAS WELL PERMIT APPLICATION

WELL OPERA	TORS#	

API#: 47-___-

a-18

47-085-6129

ITEM #21 - EXTRACTION RIGHTS

. . CODE 22-4-11 (C)

275.35 ACRES Grant DIS	TRICT Ritchie	COU	NTY, WV
Bounded as follows: on the North by <u>G. Robinson</u> on the East by <u>H. Cain, C</u> on the South by <u>J. Wagoner</u>	. Corder , W. Hissem		
on the West by R. Hickman	, West Virginia Investments	Dogge	uding
Lessors & Address	Percent OGM Royalty Interest (of 1/8ths)	BK	rding PG
Daniel Donnelly & Julia Donnelly, his wife	100% of 1/8th	130	242
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Assigned from Warren R. Haught 6/7/82		146	431
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	18 OF MINE	No.	
	Lella Hardensta		,
• •			
		03/29	/2024

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

		- And Constitution of the	02	N ₂ -	ACID
1st Stage	N ₂ & CO ₂	24 (4002 – 4846)	21,000 lbs.	324,000 scf	7 bbls.
2nd Stage	N ₂ & CO ₂	44 (3154 – 3930)	19,000 lbs.	395,000 scf	7 bbls.
3rd Stage	N ₂ & CO ₂	25 (2310 – 2813)	28,000 lbs.	301,000 scf	7 bbls.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
K.BG.L. Sand, shale, red rock Coal Sand, shale, red rock Big Lime Big Injun Squaw Sand, shale Sunbury Shale Berea Sand, shale	0 10 187 191 1647 1720 1823 1860 2223 2233 2244	10 187 191 1647 1720 1823 1860 2223 2233 2244 2330	H ₂ O @ 55' H ₂ O @ 192' Gas check @ 2260' 2/10 thru 1"
Gantz Sand, shale Gordon stray Sand, shale Gordon Sand, shale Huron Java Angola	2330 2362 2660 2670 2720 2738 3282 4334 4678	2362 2660 2670 2720 2738 3282 4334 4678 4884 T.D.	H ₂ O Gas check @ 3037' 2/10 thru 1"H ₂ O Gas check @ 4001' 2/10 thru 1"H ₂ O
· · · · · · · · · · · · · · · · · · ·	40,0	4004 1.0.	
The second of the first forces, and			

(Attach separate sheets as necessary)

Petroleum Development Corporation

Well Operator

By: Mary 24, 1983

Petroleum Development Corporation

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 wal, encountered in the drilling of a well."

IV-35
(Rev 8-81)

FEB 2 8 1983

OIL & GAS DIVISION

DEPT. OF M. VEE



State of Mest Airginia

Bepartment of Mines Gil und Gas Bivision

Date	January	21, 1	983
Operat	or's		
Well N	0. #1	,	
Farm	Donnelly		
APT NO	47 - 0	85 -	6129

WELL OPERATOR'S REPORT OF

		The state of the s	OF			
DRILLING,	FRACTURING	AND/OR	STIMULATING,	OR	PHYSICAL	CHANGE

LOCATION: Elevation: 890 Watershed C	Creek		Salar and the sa	and the same of the same
District: Grant County Ri	tchie	Quadrangle	Cairo 7	1/51
COMPANY Petroleum Development Corporation				
ADDRESS P.O. Box 26, Bridgeport, WV 26330	Casing	Used in	Teft.	Cement
DESIGNATED AGENT John R. Mitchell	Tubing	Drilling	160	fill up Cu. ft.
ADDRESS P.O. Box 26; Bridgeport, WV 26330	Size			
SURFACE OWNER Daniel Donnelly et ux	20-16			
ADDRESS 2699 Abington Rd., Akron, OH 44313	Cord. 11-3/4" 13-10"	30	30	Cement to surface.
MINERAL RIGHTS OWNER Daniel Donnelly et ux	9 5/8	30	30	surrace.
ADDRESS Same	8 5/8	1029	1029	280 sks.
DIL AND GAS INSPECTOR FOR THIS WORK Samuel	7	1025	1025	ZOO BRB.
Hersman ADDRESSBox 66, Smithville WV 2617	8 5 1/2			
PERMIT ISSUED 12/28/82	4 1/2	4867	4867	510 sks.
DRILLING COMMENCED 1/3/83	3	4007	4007	OTO BIB.
DRILLING COMPLETED 1/7/83	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	7			-
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners		a de la composição	
ON				
GEOLOGICAL TARGET FORMATION Marcellus S	Shale	Dept	th 59	00 feet
Depth of completed well 4896 feet				
Water strata depth: Fresh 55,192 feet;				
Coal seam depths: 187				area? No
OPEN FLOW DATA				
	Day	rono don	-h 2310-4	1846 foo
Producing formation Devonian Shale Gas: Initial open flow Mcf/d				
Final open flow 369 Mcf/d				
Time of open flow between ini				
Static mok pressure 409 psidleurfa		icit, are	03/2	9/2024
Static rock pressure 409 psig(surfa				
(If applicable due to multiple completion		v zone den	th	Foo
(If applicable due to multiple completion Second producing formation	Pa			
(If applicable due to multiple completion	Par Oil: In	itial open	flow	Bb1/

Permit No. 85-6/29

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES



JAN7 - 1983

INSPECTOR'S WELL REPORT

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

				(KIN	Gas Well
panyletroleum	Development Corp	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
National Action (Action Confidence of the Confid		Size			AND A TERM ALE MALE
Don	melly	16			Kind of Packer
		13	Control of the control	with the property	医皮肤病 "我们的",然后把一致"对我们一种"。
	0.40	- 10			Size of
-	County Ritchip	81/4	The second secon	· · · part or · · · · · · · · ·	
_	3-82	65%		<u> </u>	Depth set
	Total depth	5 3/16			
	Depth of shot	3			Perf. top
		2			Perf. bottom
•	/10ths Water inInch	Liners Used			Perf. top
	/10ths Merc. inInch			10 A	Perf. bottom
2"stresm	feetfeet	NAME OF SERVICE COAL WAS ENC	OUNTERED A	187' 187' 855' 2 S F	EETINCHES
relling	Heater/Hirly	Tool Pushe	1 Bill	m/Old	ie Hamner
N H	an 1028 foot. allidurton ran	\$85 cas	hoceman		
	ny small circulates ug Lown at 5:30		4		

Samuel 1.

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No.	•			We	II No.	<u> </u>
COMPANY			ADDRESS			
FARM						
Filling Material Used.			518		1	1
	eation					7.3
		Amount		Location		
	ND DEPTH PLACED		BRIDGES		G AND TO	JBING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
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	7 0 22		the state of the s			
	*1		11 - 12 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			
DATE	I nereby certify I	visited the ab	pove well on this date.			

03/29/2024

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION

RECEIVED

JAN 1 1 1983

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No 85-6/29

Address.

Date shot

Volume_

Rock pressure_

Initial open flow____

Company Petroleum Dere Copment Corp.

Drilling completed 1-7-83 Total depth 4900

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

lbs.

feet

feet

____Depth of shot_

/10ths Water in___Inch

Farm Danial Donnelly

Drilling commenced 1-3-83

Oil or Gas Well_ CASING AND LEFT IN PACKERS DRILLING Size Kind of Packer____ Size of Depth set____ 5 3/16_ Perf. top____ 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

Remarks:

Salt water_

Drillers' Names_

Finish hole at T. D. of 4900' fort Pulling drill pips at time of Visit

feet

bbls., 1st 24 hrs.

1-7-83

Samuel M. Heroman

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No							
OMPANY		State of the Page	ADDRESS				
ARM							
illing Material Used							
iner Lo	cation	Amount	Packer	Location			
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOS	
				RECOVERED			
				-			
rillers' Names						- ip, 8 = "	
		and the service		7			
emarks:							

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT OIL & GAS DIVISION DEPT. OF MINES

Permit No. 085-6/29				Gas Well
Company PE/RolEym DEVElogMENT	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
Address	Size			
Farm DANIEL DONNElly	16		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Kind of Packer
Well No. ONE	13			
District GRAN County Ritchie	10			Size of
Drilling commenced	65%			D
Drilling completedTotal depth	5 3/16		-1 pr 11 pr	Depth set
Date shotDepth of shot	3			Perf. top
Initial open flow/10ths Water inInc			i was sa siye w	Perf. bottom
Open flow after tubing/10ths Merc. inIncl	and the same of			Perf. bottom
VolumeCu. Ft			A	
Rock pressurelbshrs	NAME OF STREET			No. FTDat
Oilbbls., 1st 24 hrs.				
Fresh waterfeetfeet				age of the steel of the
Salt waterfeetfeet				FEETINCHES
Drillers' Names	FEET	INCHE	SF	EETINCHES
	inspection	U		
O. K. To 11	NSPECTION PELEASÉS			

8-25-83

MILE JAMES WELL INSPECTOR

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

	il No	
Iling Material Used		
PLUGS USED AND DEPTH PLACED BRIDGES CAS CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED BRIDGES CAS CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION RECOVERED BRIDGES CAS CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUC		
PLUGS USED AND DEPTH PLACED CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED R		
PLUGS USED AND DEPTH PLACED CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED PLUGS USED AND DEPTH PLACED RECOVERED RECOV	n	
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		,
I hereby certify I visited the above well on this date.		

DISTRICT WELL INSPECTOR



State of West Virginia Bepartment of Mines Gil and Gas Division Charleston 25305

WALTER N. MILLER DIRECTOR

September 2, 1983

THEODORE M. STREIT
ADMINISTRATOR

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

Gentlemen:

The required records and reports have been received in this office and the District Inspectors have submitted FINAL INSPECTIONS for the following wells listed below:

PERMIT NUMBER	FARM AND WELL NUMBER	DISTRICT
RiT-5628-REV.	Maxine & Foster Smith, #1	Grant
RIT-5771	Jennings Ross, #34-2535-5	Grant
RIT-5863	Westvaco Corporation, #A-2	Grant
RIT-5899	Brian G. & Diane Whalin, #1	Grant
RIT-6024	Alfred Blizzard et al, #2	Grant
RIT-6129	Daniel Donnelly etux, #1	Grant

In accordance with Chapter 22, Article 4, Section 2, the above captioned wells will remain under bond coverage for "life of wells." Reclamation requirements have been approved.....

Very truly yours,

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

03/29/2024

