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DRILLING	CONTR	ACTOR:



1)	Date: May	16		, 19 83
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3)	API Well No.			1071
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WELL TYPE									_/ Shallow _XX/)
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8) Approxim	nate water s	trata dept	hs: Fresh	1, _65	, 145	4/Afeet;	salt, 1550		HOLITYPIS
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CASING AN	D TUBINO	PROGR	AM		0 22-4-5	efer to Cod	nd comenting	chsins-phogram's	20) Proposed
		SPI	ECIFICATIO		- 11			CEMENT FILL-UP	
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				eeded. If	the answe	r is Yes, you n	nay use Affidavit l	Form IV-60.	salam of
Required Cop	ies (See rev	erse side.)				golf aga yo			ella syah
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permit coverin	ng the well	operator	and well lo	ocation sh	own below	w is evidence o	f permission grant	the residence of the first of the Additional Contractions of the Contraction of the Contr	nce with the pertinent legal re
ments subject	to the con-	ditions con	ntained he	rein and	on the reve	erse hereof. No	tification must be	given to the District C	oil and Gas Inspector.
						or any permitte work has com		on, the well operator o	r his contractor shall notify th
			19, 1					I prior to that data	managed and a series
it expires	Agent		Plat:		asing	Fee Inless dr	lling is commenced	prior to that date and	prosecuted with due diligence
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1010	1	1	10	1/5	9	581	A	iministrator, Office o	t Oil and Gas

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

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
 - 15) 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).
 - 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.
 - 24) 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.

WAIVER

The undersigned coal operator	If a mine map exists v gned has no objection	to the work propo	ea of the well location sed to be done at this l	ocation, provided, the well
and the substitute of the wife the substitute in				SUMMER STORY
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Its

Lease No. 1948

MAY 17 1983

OIL AND GAS LEASE

OIL & GAS DIVISION 20TH TADEPT. OF MINE 5/ .day of AGREEMENT, made and entered into this... P. HOLOREN HER HUSBAND! by and between LINDA D. HOLDREN AND VICTOR MARY SUE PROBECK AND THOMAS C. BROBECK HER HUSBAND

OF DURHAM, NORTH CAROLINA party of the first part, hereinafter called Lessor (whether one or more), PESOURCES DIV. OF BOW VALLEY PETROLEUM, IN party of the second part, hereinafter called Lessee; 1. WITNESSETH: That the Lessor, in consideration of the sum of One Dollar, the receipt of which is hereby acknowledged, and the covenants and agreements hereinafter contained, does hereby grant unto the Lessee all of the oil and gas and all of the constituents of either in and under the land hereinafter described, together with the exclusive right to drill for, produce and market oil and gas and their constituents and of stering gas of any kind in any formation underlying the land, and also the right to enter thereon at all times for the purpose of drilling and operating for oil, gas and water, laying pipe lines, erecting tanks, machinery, powers and structures, and to possess, use, and occupy so much of said premises as is necessary and convenient for said purposes and to convey the above named products therefrom or thereto by pipe lines or otherwise; said land being situate in SPRING CREEK Township, State of WEST VIRGINIA County of WIRT and described as follows, to-wit: Bounded on the NORTH by lands of JOE ALLEN (FORMERLY) EAST by lands of W.M.SINK ! E.C. DAUIS (BOTH FORMCRLY) SOUTH by lands of J. W. BURSON CFORMERLY) WEST by lands of B. F. HICKMAN ! G.M, WILLIAMS (BOTH FORMERLY) Containing ONE HUNORED FIFTY (150) acres, more or less and being the same land conveyed to lessor by ... by deed dated... recorded in said county records in... Book No. 2. It is agreed that this lease shall remain in force for a primary term of \(\tau \omega \) years from this date and as long thereafter as operations for oil or gas are being conducted on the premises, or oil or gas is found in paying quantities thereon, error formation underlying the herein leased land is used for storage of gas as provided under paragraph 7-hereof. 3. The Lessee shall deliver to the credit of the Lessor free of cost, in the pipe line to which he may connect his wells, the equal one-eighth (1/2) part of all oil produced and saved from the leased premises, and shall pay Lessor one eighth (1/2) of for all gas and casing head gas produced and sold from the premises, payable monthly; provided, Lessee shall pay Lessor a royalty at the rate of Effy Pollars per year on each gas well while, through lack of market, gas therefrom is not sold or used off the premises, and while said royalty is so paid said well shall be held to be a paying well under paragraph 2 hereof.

pays thereafter a rental of Seven Honoreo Fifth for each well on the premises on or before MAY 20, 19 seems the time above mentioned. The consideration first recited herein, the down payment, shall cover not only the privilege granted to the date when first said rental is payable as aforesaid, but also the Lessee's option of extending that period as aforesaid, and any and all other rights conferred. The drilling of a non-productive well shall be accepted by the Lessor in lieu of delay rental for a period of one year after its completion, and following the exhaustion or abandonment of all wells the Lessee shall have the right for a period of one year to resume the payment of delay rental or commence operations for another well. Upon the resumption of payment of rentals the provisions hereof governing such payment and the effect thereof shall continue in force as though they had not been interrupted.

5. All moneys coming due hereunder shall be paid or tendered to Z-LINDA D, HOLOREN direct, or by check payable to his (or her) order mailed to 510 MARSHALL WAY, DURHAM, N.C. 27705 and no default shall be declared against the Lessee by the Lessor for failure of the Lessee to make any payment or perform any conditions provided for herein unless the Lessee shall refuse or neglect to pay or perform the same for ten days after having received written notice by registered mail from the Lessor of his intention to declare such default.

6. Lessor reserves 200,000 cubic feet of gas per annum for domestic use, to be taken through his own appliances at any producing gas well, and agrees to pay Lessee a fair domestic rate for any gas used in excess thereof. Lessor further covenants and agrees that his taking and use of gas shall be wholly at his own risk, the Lessee not to be held liable for any accident or damage caused thereby, nor shall Lessee be liable for any shortage or failure in the supply of gas for said domestic use.

A Lessee shall have the right to use any formation underlying the leased premises for the storage of gas and shall have the right to use any formation underlying the leased premises for the storage of gas and shall have the rights of way needs any to store and produce such stored gas. As full payment for such storage rights, the rest to the remaining payment is made, all provisions of this lease shall remain in full effect.

8. Lessor further grants to the Lessee, his heirs and assigns, the right to unitize this lease with other leases to form a drilling unit or units according to the rules and regulations which may be adopted for the proper development and conservation of the field. In the event this lease is so unitized, the Lessor agrees to accept, in lieu of the royalty hereinbefore recited, such proportion of the royalty above provided, as the acreage covered by this lease bears to the total acreage comprising the unit.

9. If said Lessor owns a less interest in the above described land than the undivided fee simple estate therein, then the royalties and rentals herein provided shall be paid the Lessor only in the proportion which his interest bears to the whole and undivided fee.

10. No well may be drilled nearer than 200 feet to the house or barn now on said premises without the written consent of Lesser. Lessee shall have and enjoy all rights and privileges necessary and convenient for the proper use and development of this lease, and shall have the right to use, free of cost, gas, oil and water produced on said land for its operations thereon, except water from placed on said premises, including the right to draw and remove casing. Lessee shall pay for damages caused by its operations to growing crops on said lands, and, when requested by Lessor, shall bury its pipe lines below plow depth.

11. The interest or estate of either party hereto may be assigned, the privilege of assigning in whole or in part being expressly allowed. In event this lease shall be assigned as to any part or parts of the above described land and the assignee or assignees of such part or parts shall fail or make default in the payment of the proportionate part of the rents due from him or them, such default shall not operate to defeat or affect this lease insofar as it covers a part or parts of said land upon which the said Lessee or any assignee thereof shall make due payment of said rental. No change of ownership in the land or in the rentals or royalties shall tified copy thereof.

12. At any time, Lessee, its successors or assigns shall have the right to suvender this lease are not as the following of the propertion of the payment of the propertion of the payment of a certain time.

12. At any time, Lessee, its successors or assigns, shall have the right to surrender this lease or any part thereof for cancelation, after which all payments and liabilities hereunder thereafter shall cease and determine, and if the whole is surrendered, then this lease shall become absolutely null and void. This surrender may be made to the Lessor, or if more than one Lessor, then to any one of them, or to the heirs or assigns of any one of them by delivery of a duly executed surrender thereof in person, or by recording a duly executed surrender thereof in the Recorder's office of the County in which the land is located.

the County in which the land is located.

13. Lessor hereby warrants and agrees to defend the title to the land herein described and agrees that the Lessee at its option may pay, discharge or redeem any taxes, mortgages, or other liens existing, levied, or assessed on or against the above described lands, and in event it exercises such option, it shall be subrogated to the rights of any holder or holders thereof and may reimburse itself by applying any royalty or rentals accruing hereunder to the discharge of any such taxes, mortgages or other liens.

14. It is expressly agreed that if the Lessee shall commence drilling operations at any time while this lease is in force, it shall remain in force and its terms continue so long as such operations are prosecuted, and if production results therefrom, then as long as production continues. If after the expiration of the term of this lease production from the leased premises shall cease from any cause, this lease shall not terminate provided Lessee resumes operations within sixty days from such cessation, and this lease shall remain in force during the prosecution of such operations, and, if production results therefrom, then as long as oil or gas is produced in paying quantities.

GARNER

hereof shall extend to the respective heirs	have been made or relied upon	by either pa	ee, and no warranties, representy. The terms, conditions igns of the parties hereto.	
Witness the hands and seals of the partie	es hereto the day and year first	above written	0 0///	
		Finda	D. Holdren	(SEAL)
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Wisconsin	WEST VIRGINIA ACKNOW	LEDGMENT	THIS INSTRUME. PREPARED BY	NT
	} To	o-wit:	THORN C. ROBE	RTS
COUNTY OF La Crosse)		Box 92	1A 26147
I, Alyce M. Osterhout	a Notary	Public of said	ECIZABETH, WILL County, do hereby certify th	07. 26. 13
Thomas C. Brobeck and	d Mary Sue Brobeck	rubile of said	County, do hereby certify th	iat
whose name / S signed to the within	writing bearing date the	20th	day of May	19 81
ave this day acknowledged the same l	before me in my said County.		and or	, 10
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North Carolina	WEST VIRGINIA ACKNOWL	EDGMENT		
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OUNTY OF Wake	To	-wit:		
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Linda D. Holdren a	and Victor P Hold	Public of said	County, do hereby certify the	at
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Commission expires August 12	1984		Notary Public	7
Commission expires August 12,	1984		Notary Public	P - 370
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IV-35 (Rev 8-81)



DEPT. OF MINES

OIL & GAS DIVISION



State of Mest Nice Department of Mine wil and Vas Bivision

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5	Fa
	AP

Date December 16, 1983 ell No. WI064 um Davis

API No. 47 - 105 1071

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

(If "Gas," Production X / Undergraph 1178.89		The state of the s		allowX /)
LOCATION: Elevation: 1178.89 Watershed District: Spring Creek County Wir		Quadrangl		; Springs
COMPANY Bow Valley Petroleum, Inc.				
ADDRESS 600 Commerce Square, Charleston, WV. DESIGNATED AGENT Robert Long	Casing	Used in	Left	Cement fill up
ADDRESS P.O. Box 235, Culloden, WV. SURFACE OWNER West Virginia Pulp & Paper	Size 20-16	Drilling 30	30	Cu. ft.
ADDRESS Parkersburg, WV. MINERAL RIGHTS OWNER W.R. Davis Heirs	13-10"	349.65	349.65	To surface
ADDRESS LaCrosse, Wisconsin OIL AND GAS INSPECTOR FOR THIS WORK Deo	9 5/8 8 5/8	2201	2201	150 sks
Mace ADDRESS Sandridge, WV. PERMIT ISSUED 5/19/83	7 5 1/2			:
DRILLING COMMENCED 6/28/83	4 1/2	5272	5272	265 sks foam cemen
DRILLING COMPLETED 7/05/83 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	2 Liners used			
Depth of completed well 5308' feet Water strata depth: Fresh 170 feet; Coal seam depths: Not Encountered	Salt 1580	Dept / Cable) feet ceing mine	Tools	feet
Producing formation Devonian Shale Gas: Initial open flow 0 Mcf/d	Pay Oil: Init	zone depti ial open :	h5248'-26 flow 0 ow show	14' feet Bbl/d
(If applicable due to multiple completion Second producing formation	e measureme) Pav	nt) after	72 hour	s shut in /05/2024
Gas: Initial open flow Mcf/d Final open flow Mcf/d Time of open flow between init	Oil: Init Oil: Fina	ial open f l open flo	elow	Bbl/d
Static rock pressurepsig(surface	measurement			

(REVERSE)

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

Top 1st Stage Frac = 850 gals 15% HCL/1,250,00 scf/N₂, Max.treating pressure 3200# Min. 1800#. Breakdown 2450# Air 44,233 scf/min. ISIP 1700#. Perfs: 3942,3938,3708, 3604,3458,3442,3438,3433,3430,3424,3403,3330,3324,3312,3000,2993,2986,2954,2950, 2896,2893,2886,2884,2676,2670,2650,2646,2642,2616,2614.

Bottom Frac. = 1000 gal 15% HCL - 1,190,000 scf/N₂. Max. treating pressure 2300#. Min. 2180. Breakdown 2350. ISIP 1700#. Perfs. 5248,5158,5127,4956,4945,4937,4929,4919,4911, 4892,4746,4734,4726,4674,4664,4518,4516,4502,4498,4480,4418,4416,4318,4312,4220,4216,4212,4201,4192,4182,4154,4142.

WELL LOG

FORMATION COL	OR HARD C	OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Soil Bro	Brown	richa b urn	0	10	
Slate & Sand	Gray-Buf	Ef	10	375	Fresh H ₂ O 170
Red Rock	Red	Soft	375	540	
Shale	Gray	Soft	540	650	
Sand	Gray	Soft	650	780	H ₂ O.
Sand	White	Hard	780	1690	@ 1580
Shale	Gray	Soft	1690	1830	
Sand	White	Hard	1830	1930	ODER NO CONTROL OF STORMS
Lime	Gray	Hard	1930	2085	
Sand	Buff	Hard	2085	2160	0.000.000.00
Shale	Gray	Soft	2160	5309	
					Electric Log Tops
					Big Lime 1932' Injun 2095' Berea 2551' Gordon 2884' Rhinestreet 5246'
			30 a		

(Attach separate sheets as necessary)

Bow Valley Petroleum Inc.

Well Operator

By: Marun Comles 1/05/202

Date: Ne 21

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 and, encountered in the drilling of a well."

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION
DEPT. OF MINES

JUL - 6 1983

INSPECTOR'S WELL REPORT

Permit No. <u>(05-107/</u>			Oil oi	Gas Well
Company Bow Valley	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
Address	Size			
Farm W. R. DAVIS	16			Kind of Packer
Well No. CV 1 064	13			
District Spring Creek County U				Size of
Drilling commenced 6-28-83	6%			Depth set
Drilling completedTotal depth_	5 3/16			
Date shotDepth of shot	3		4	Perf. bottom
Initial open flow/10ths Water				Perf. top
Open flow after tubing/10ths Merc. i				Perf. bottom
Volume	Cu. Ft. CASING CEMEN	NTED	SIZE	No. FTDate
Rock pressurelbs				Date
Oilbbls.,		COUNTERED	AT	FEETINCHES
Fresh waterfeet				FEETINCHES
Salt waterfeet				FEETINCHES
Drillers' Names Day Res. 7				
Remarks:				
Spud Today				

6-28-83

Oes mal/05/2024

DISTRICT WELL COMMENTS

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No			-	Wel	I No	
COMPANY	ditantum and a security of market and a security democratic deposition of the security of the		ADDRESS			
ARM		DISTRICT.	0	OUNTY	,	
Filling Material Used					3	
Liner Loc	cation	Amount	Packer	Location		
	ND DEPTH PLACED		BRIDGES		G AND TU	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
			3			
			•			
						Note and the state of the state
						Nonenyada elizine ityo enquelizoned
			-			
						
rillers' Names						
				The second second	· · · · · · · · · · · · · · · · · · ·	de de maneralment de de la compani
Remarks:			от в пред пред пред пред пред пред пред пред		•	THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO PERSON NAMED

105-107/

B-4

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

OIL & GAS DIVISION DEPT. OF MINES

Permit No. / U J /				Oil or	Gas Well	
Company Bow	VALLEY	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACK	CERS
Address		Size				ary a No.
Farm W. R. DA	AVIS	16			Kind of Pac	ker
Well No. W1 - 0	64	13			di a	
District SPRING CA	REEK County WIRT				_ Size of	I. AMBE
Drilling commenced		65/8			Depth set	
	Total depth	5 3/16				
		3			Perf. top	
Date shot	Depth of shot	2			Perf. botton	a
Initial open flow	/10ths Water inI	nch Liners Used			Perf. top	
Open flow after tubing	/10ths Merc. inI	nch			Perf. botton	1
Volume	Cu.	Ft. CASING CEME	NTED	_SIZE	No. FT	Date
Rock pressure	lbsh	NAME OF SER	RVICE COMPA	NY		
Oil	bbls., 1st 24 h	nrs. COAL WAS EN	COUNTERED	AT	_FEET	INCHES
Fresh water	feetf	eetFEET_	INCH	ES	FEET	INCHES
Salt water	feetf	eetFEET_	INCH	ES	FEET	INCHES
Orillers' Names RA	Y RESOURCES	# 14				72.47 (170)
		,				
Remarks:	- 4					

349' of 1134" cosing, Dowell cemental. DRILLED OUT UNDER APTER 6 HRS.

6.30.83

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No	_			We	I No	
COMPANY			ADDRESS			
FARM		DISTRICT	0	OUNTY		
Filling Material Used						
Liner L	ocation	Amount	Packer	Location	ı	
PLUGS USED	AND DEPTH PLACED		BRIDGES	CASIN	IG AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
					-	
Drillers' Names						
Remarks:						
DATE	I hereby certify I	visited the abo	ve well on this date.			
					01/05	2024
				DI	STRICT WELL	INSPECTOR

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION
OIL FOR MINES INSPECTOR'S WELL REPORT Permit No. 105-107/

			(KII	ND)
Company Bow Valley	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
Address	Size			
Farm Davis	16			Kind of Packer
Well No. W I O 64	13			
Distric Spring Creek County Wit	81/4			Size of
Orilling commenced	65%			Depth set
Orilling completedTotal depth	5 3/16			
	3			Perf. top
Date shotDepth of shot	2			Perf. bottom
nitial open flow/10ths Water inInch	Liners Used			Perf. top
pen flow after tubing/10ths Merc. inInch				Perf. bottom
olumeCu. Ft.	CASING CEMEN	TED	SIZE	No. FTDate
ock pressurelbshrs.	NAME OF SERV			
bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT_	FEETINCHES
esh waterfeetfeet				
				FEETINCHES
lt waterfeetfeet	FEET_	INCHE	ES	FEETINCHES
rillers' Names				
marks:				
Location Reclaimed	- you to	mber	save	l-no gras

Wes Mag 105/2024

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No			· · · · · · · · · · · · · · · · · · ·	Wel	l No	
COMPANY			ADDRESS			
FARM		DISTRIC	ГС	OUNTY	,	
Filling Material Used						
	eation	Amount		Location		
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
	,					,,
						AAASSA, AASSA SAARTSAASSA CAAAAAA
				Control of the contro		
		The state of the s				
Drillers' Names					-	
	aggroupsingsveri alter paratiens date republicado to entre característicado de estable ve subse			and the second		
Remarks:						
DATE	I hereby certify I	visited the ab	pove well on this date.			
						. INSPECTO

01/05/2024

B-11

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION



FINAL INSPECTION REQUEST

INSPECTOR'S COMPLIANCE REPORT

OCT 11 1983

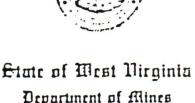
OIL & GAS DIVISION DEPT. OF MINES

Permit No.	105-1071	County	Wirt	
Company B	ow Valley Petroleum	Farm	Davis	
Inspector	Homes H. Dougherty	Well No	064	
Date /	10/4/83			
			IN CO	MPLIANCE
RULE	DESCRIPTION		Yes	No
23.06	Notification Prior to starting Wo	ork		
25.04	Prepared before Drilling to preve	ent 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		V	
25.01	Necessary Equipment to prevent Wa	ste	V	
23.03	Reclaimed Drilling Site		V	
23.04	Reclaimed Drilling Pits		V	
23.05	No surface or underground Polluti	on	V	-
7.03	Identification Markings			
COMMENTS:				

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:	Homes Hil	Towsher	ty
DATE:	10/4/83		01/05/2024

BIN



WALTER N. MILLER DIRECTOR

Department of Mines Oil and Gas Division Churleston 25305

THEODORE M. STREIT ADMINISTRATOR

May 21, 1984

Bow Valley Petroleum, Inc. 600 Commerce Square Charleston, W. Va. 25301

In Re:	PERMIT NO:	47-105-1071
	FARM: W. R	. Davis Heirs / Westvaco
	WELL NO:	WI - 064
	DISTRICT:	Spring Creek
	COUNTY:	Wirt
	ISSUED:	May 19, 1983

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 permit number has been released under your Blanket Bond.

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

20 7	
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA Catrony Code
3.0 Depth of the despest completion focation: (Only resided if sections 103 or 107 in 2.0 above.)	1000
4.0 Name, address and code number of applicant: (35 latters per line maximum. If code number not available, leave blank.)	Bow Valley Petroleum, Inc. Olt & GAS DIVIS Olt & GAS DIVIS OLT OF MI Chy State Zu Code
5.10 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	BURNING SPRING Field Name WIRT County State
(b) For OCS wells:	Date of Lease: Mo. Day Yr. UCS Lease Number
: (c) Name and identification number of this well: (35 letters and digits maximum.)	DAVIS WI-064
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	
5.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not	Columbia Gas Transmission Corp 04030
available, leave blank.)	Name
(b) Date of the contract:	Name Buyer Corte
(b) Date of the contract:	
	Mo. Day Y:
(b) Date of the contract: (c) Estimated annual production:	Boyer Conse
(c) Estimated annual production: Contract price: (As of filing date. Complete to 3 decimal places.)	Mo. Day Y: Mo. Day Y: MMcf. (a) Base Price (b) Tax (c) All Other (d) Total of (a). (S/MMBTU) Prices [Indicate (b) ent with the content of
(b) Date of the contract: (c) Estimated annual production: 0 Contract price: (As of filing date. Complete to 3	MMcf. (a) Base Price (S/MMBTU) (b) Tax (c) All Other Prices [Indicate (b) and with the land with land wit

W. Va. Department of Mines, Oil & Gas Division Well DETERMINATION FILE NUMBER SHOLI 3. 103. 105: 1071 Uso Above File Number on all Communications Relating to Determination of this Well CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING ITEM NO. 1. FERC -12 Items not completed - Line No. 2. IV-1 Agent 3. IV-2 Well Permi 4. IV-6 Well Plat 5. IV-35 Well Record 6. IV-36 Gas-Oil Test: Gas Only Was Oil Froduced? Ratio 7. IV-39 Annual Production years 8. IV-40 90 day Production 9. IV-48 Application for certification. Complete? Affidavit Signed 18-28. Other: Survey Logs Geological Charts Structure Map Gas Analyses (5) Date commenced: Daty completed Deepened Deepened Deepened Deepened Deepened Deepened Deepened Deepened Deepened PESIC from Daily Re. PSIC from Daily Re.	PARTICI		BUYER-SELLER CODE
W. Va. Department of Mines, Oil & Gas Division WELL DETERMINATION FILE NUMBER 440113-103-105:1071 Uso Above File Number on all Communications Relating to Determination of this Well CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS HISSING ITEM NO. 1. FERC -12\(\text{1V-1 Agent}\) 3. IV-2 Well Permit 4. IV-6 Well Plat 5. IV-35 Well Record 6. IV-36 Gas-0il Test: Gas Only Was 0il Produced? 8. IV-40 90 day Production 9. IV-48 Application for certification. Complete? 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 50 - 57 - 58 Complete? Affidavit Signed 18-28. Other: Survey Logs Ceological Charts Structure Map Cas Analyses (5) Date commenced: Date completed Deepened Deepened Deepened Deepened Deepened Production Depth: (5) Production Formation: (5) Final Open Flow: (6) Other Gas Test: Avg. Daily Gas from Annual Production: (8) Avg. Daily Gas from 90-day ending w/1-120 days (8) Line Pressure: PSIG from Daily Re	WEI.L		046189
W. Va. Department of Mines, Oil & Gas Division WELL DETERMINATION FILE NUMBER 40113.103.105:1071 Use Above File Number on all Communications Relating to Determination of this Well CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING ITEM NO. 1. FERC -12\	FJRST	PURCHASER: Columbia Gas Trans. Corp.	004030
WELL DETERMINATION FILE NUMBER 4 O 1 1 3 - 103 - 105 : 1071 Uso Above File Number on all Communications Relating to Determination of this Well CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING ITEM NO. 1. FERC -122	OTHER	:	
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1. FERC -121	7751		
2. IV-1 Agent 3. IV-2 Well Permi 4. IV-6 Well Plat 5. IV-35 Well Record Drilling Deepening 6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced? Ratio 7. IV-39 Annual Production years 8. IV-40 90 day Production Days off line: 9. IV-48 Application for certification. Complete? 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 50 - 57 58 Complete? Affidavit Signed 18-28. Other: Survey Logs Geological Charts Structure Map Gas Analyses (5) Date commenced: Date completed Deepened (5) Production Depth: (5) Production Formation: (5) Final Open Flow: (6) Other Gas Test: (7) Avg. Daily Gas from Annual Production: (8) Avg. Daily Gas from 90-fay ending w/1-120 days (8) Line Pressure: PSIG from Daily Box		_	
3. IV-2 Well Permi 4. IV-6 Well Plat 5. IV-35 Well Record Drilling Deepening 6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced? Ratio 7. IV-39 Annual Production years 8. IV-40 90 day Production Days off line: 9. IV-48 Application for certification. Complete? 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 50 - 57 58 Complete? Affidavit Signed 18-28. Other: Survey Logs Geological Charts Structure Map Gas Analyses (5) Date commenced: Date completed Deepened (5) Production Depth: (5) Production Formation: (5) Final Open Flow: (6) Other Gas Test: (7) Avg. Daily Gas from Annual Production: (8) Avg. Daily Gas from 90-day ending w/1-120 days (8) Line Pressure: PSIG from Daily Recompleted		Bille No.	/
4. IV-6 Well Plat 5. IV-35 Well Record Drilling Deepening 6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced? Ratio 7. IV-39 Annual Production years 8. IV-40 90 day Production Days off line: 9. IV-48 Application for certification. Complete? 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? Affidavit Signed 18-28. Other: Survey Logs Geological Charts Structure Map Gas Analyses (5) Date commenced: Date completed Deepened (5) Production Depth: (5) Production Formation: (5) Final Open Flow: (6) Other Gas Test: (7) Avg. Daily Gas from Annual Production: (8) Avg. Daily Gas from 90-day ending w/1-120 days (8) Line Pressure: PSIG from Daily Recompleted Psic From Daily Recomp			
5. IV-35 Well Record			
6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced? Ratio 7. IV-39 Annual Production years 8. IV-40 90 day Production Days off line: 9. IV-48 Application for certification. Complete? 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 50 - 57 - 58 Complete? Affidavit Signed 18-28. Other: Survey Logs Geological Charts Structure Map Gas Analyses (5) Date commenced: Date completed Deepened (5) Production Depth: (5) Production Formation: (5) Final Open Flow: (6) Other Gas Test: (7) Avg. Daily Gas from Annual Production: (8) Avg. Daily Gas from 90-day ending w/1-120 days (8) Line Pressure: PSIG from Daily Recompleted			
7. IV-39 Annual Production years 8. IV-40 90 day Production Days off line: 9. IV-48 Application for certification. Complete? 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 50 - 57 - 58 Complete? Affidavit Signed 18-28. Other: Survey Logs Geological Charts Structure Map Gas Analyses (5) Date commenced: Date completed Deepened (5) Production Depth: (5) Production Formation: (5) Final Open Flow: (6) Other Gas Test: (7) Avg. Daily Gas from Annual Production: (8) Avg. Daily Gas from 90-day ending w/1-120 days (8) Line Pressure:	5.		eepening
8. IV-40 90 day Production	6.		Ratio
9. IV-48 Application for certification. Complete? 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 58 Complete? Affidavit Signed 18-28. Other: Survey Logs Geological Charts Structure Map Gas Analyses A000 Map Well Tabulations (5) Date commenced: Date completed Deepened (5) Production Depth: (5) Production Formation: (5) Final Open Flow: (6) Other Gas Test: (7) Avg. Daily Gas from Annual Production: (8) Avg. Daily Gas from 90-day ending w/1-120 days	7.	IV-39 Annual Production years	
10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? Affidavit Signed	8.	IV-40 90 day Production pays off line:	
18-28. Other: Survey Logs Geological Charts Structure Map Gas Analyses Date completed Deepened (5) Production Depth: (5) Production Formation: (5) Final Open Flow: (6) Other Gas Test: (7) Avg. Daily Gas from Annual Production: (8) Avg. Daily Gas from 90-day ending w/1-120 days (8) Line Pressure: PSIG from Daily Res			
18-28. Other: Survey Logs Geological Charts Structure Map Gas Analyses Date completed Deepened (5) Production Depth: (5) Production Formation: (5) Final Open Flow: (6) Other Gas Test: (7) Avg. Daily Gas from Annual Production: (8) Avg. Daily Gas from 90-day ending w/1-120 days (8) Line Pressure: PSIG from Daily Res	10-17.	IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 58 Complete?	Affidavit Signed
Structure Map Gas Analyses (5) Date commenced: Date completed Deepened (5) Production Depth: (5) Production Formation: (5) Final Open Flow: (6) Other Gas Test: (7) Avg. Daily Gas from Annual Production: (8) Avg. Daily Gas from 90-day ending w/1-120 days (8) Line Pressure: PSIG from Daily Rev	18-28.	Other: Survey Logs Geological Chart	ts
(5) Production Depth: (5) Production Formation: (5) Final Open Flow: (6) Other Gas Test: (7) Avg. Daily Gas from Annual Production: (8) Avg. Daily Gas from 90-day ending w/1-120 days (8) Line Pressure: PSIG from Daily Recommendation		Gas Analyses 4000 Map h	Well Tabulations
(5) Production Depth: (5) Production Formation: (5) Final Open Flow: (6) Other Gas Test: (7) Avg. Daily Gas from Annual Production: (8) Avg. Daily Gas from 90-day ending w/1-120 days (8) Line Pressure: PSIG from Daily Recommendation	(5)	Date commenced: Date completed	Deepened
(5) Final Open Flow: (5) After Frac. R. P. (6) Other Gas Test: (7) Avg. Daily Gas from Annual Production: (8) Avg. Daily Gas from 90-day ending w/1-120 days (8) Line Pressure: PSIG from Daily Rec			
(5) After Frac. R. P. (6) Other Gas Test: (7) Avg. Daily Gas from Annual Production: (8) Avg. Daily Gas from 90-day ending w/1-120 days (8) Line Pressure: PSIG from Daily Rec	(5)	Production Formation:	
(6) Other Gas Test: (7) Avg. Daily Gas from Annual Production: (8) Avg. Daily Gas from 90-day ending w/1-120 days (8) Line Pressure: PSIG from Daily Res	(5)	Final Open Flow:	
(8) Avg. Daily Gas from Annual Production: (8) Avg. Daily Gas from 90-day ending w/1-120 days (8) Line Pressure: PSIG from Daily Rep	(5)	After Frac. R. P.	
(8) Avg. Daily Gas from 90-day ending w/1-120 days (8) Line Pressure: PSIG from Daily Rep	(6)	Other Gas Test:	
(8) Line Pressure: PSIG from Daily Rep	(7)	Avg. Daily Gas from Annual Production:	
(8) Line Pressure: PSIG from Daily Rep	(8)	Avg. Daily Gas from 90-day ending w/1-120 days	
1510 II OII DATIV KA		Line Procesure	DCIC (see D.)
(5) Oil Production: From Completion Report		Oil Production: From Completion Report	rsic from Daily Repor
0-17. Does lease inventory indicate enhanced recovery being	0-17.	Does lease inventory indicate enhanced recovery being	
0-17. Is affidavit signed?Notarized?Notarized?	0-17.	Is affidavit signed?	
oes official well record with the Department confirm the submitted information?	oes off	icial well record with the Department confirmation	01/05/2024
dditional information Does computer program confirm?	ddition	al information Does computer	rormation?
as Determination Objected to By Whom?			
by whom:		by whom:	1

112-781

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date _/-//- 1984
Operator's WI-064 Well No.
API Well No. 47 - 105 - 1071 State - County Permit

WELL CLASSIFICATION FORM

NEW ONSHORE PRODUCTION WELL

MGPA Section 103

	DESIGNATED AGENT Robert Hart
	ADDRESS 600 Commerce Square
•	Charleston, W. Va. 25301
WELL OPERATOR Bow Valley Petroleum	LOCATION: Elevation 1178.89
ADDRESS 600 Commerce Square	Watershed ANNS RUN OF WEST FORK
Charleston, W. Va. 25301	Dist Sp. Cr. County WIRT Quad B. Spri
GAS PURCHASER Columbia Gas Trans.	Gas Purchase
ADDRESS Box 1273	Contract No.
Charleston, W. Va. 25325	Meter Chart Code Date of Contract
	Date of Contract
* * * * *	
	* * * * * * * * *
Date surface drilling was begun: 6/28	/83
Indicate the bottom hole pressure of the well a	nd explain how this was calculated
BHP=PF+PFe (SS.SYXT)-1	PF=650#
7 7 33.3171	G=.70
BHP=725.7#	L=3932'
•	T:101°
AFFIDAVI	II
1977; the well satisfies applicable state or fed within a proration unit, in existence at the time reservoir from which gas is or will be produced in commercial quantities or on which surface driwas capable of producing gas in commercial quantities the best of my information, knowledge and belief	ing been first sworn according to law state that ermination is sought was begun on or after February 19. deral well spacing requirements and the well is not me surface drilling began, which was applicable to the and which applied to any other well producing gas illing began on or after February 19, 1977, and which cities. I state, further, that I have concluded, to that the well for which this determination is sought not aware of any information not described in the clusion.
	Ω
,	1 Jarin Combs
STATE OF WEST VIRGINIA,	
COUNTY OF KANAWha, TO WIT:	y Public in and for the state and county aforesaid,
I. Helly Mal Sungarusa, a Notar	y Public in and for the state and county aforesaid.
whose name	is signed to theiti.
he day of the day of her sell	[man-1 - d -
Given under my hand and official sea	al this // day of Jones 19 84.
My term of office expires on the $\stackrel{\mathcal{A}}{\simeq}$	al this day of day of 1988.
NOTADZ (1 OD.)	21.6 m. 1 1
NOTARIAL SEAL]	Notary Public

2.0 Type of determination being tought: (Us the code found on the front of this form.) 3.0 Depth of the despert complation control is 20 above.] 4.0 Name, address and code number of appliant: (35 laters per fine appliant: (35 laters and laters) 5.0 Location of this well: (Complete (a) or (b).) (a) For OCS wells: (a) For OCS wells:			
3.0 Depth of the despert completion or 107 in 2.0 above) 1.0 Norms address and doctor number of services in 102 or 107 in 2.0 above) 1.0 Norms address and took number of services in 103 or 107 in 2.0 above) 1.0 Location of this well: [Complete (a) or (b.)] 1.0 Location of this well: [Complete (a) or (b.)] 1.0 For OCS wells: 1.0 For OCS wells: 1.1 Depth of the depth of the services in 103 or 104 in	(Use the codes found on the front	107 Section of NGPA Calmon Control	
applicant: (3) Interespet line maximum. If code number not evaluable, leave blank.) 5.0 Location of this well: (Complete (a) of (b)). (a) For onthore wells (a) For onthore wells (b) For OCS wells: Area Name Date of Lease: Mo. Day Yr. Dotte of this well: (3) Setters and digits maximum. 6.0 (a) Name and identification number of this well: (35 fetters and digits maximum.) 6.0 (a) Name and code number of the purchaser: (35 fetters and digits maximum.) 6.0 (a) Name and code number of the purchaser: (35 fetters and digits maximum.) 6.0 (a) Name and code number not available, leave blank.) (b) Date of the contract: (c) Estimated annual production: (a) Ease Price (S/MMBTU) (b) Tax (c) All Other Prices Indicate (file of (-1)) (d) It complete to 3 decimal places.] 6.0 All Aname and complete to 3 decimal places.] (a) Ease Price (As of filing date. Complete to 3 decimal places.] Sold Base Price (As of filing date. Complete to 3 decimal places.] Agency Use Only Agency Us	location: (Only needed if sections 103	د د د د د د د د د د د د د د د د د د د	V 1 3 198
5.0 Location of this well: [Complete (a) or (b.)]. (a) For onshore wells (b) For OCS wells: Area Name Date of Lease: Mo. Day Yr. (c) Name and identification number of this well: (35 letters and digits maximum) (d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters and digits maximum) (d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters and digits maximum) (a) Name and code number of the purchase: (35 letters and digits maximum) (b) Date of the contract: (c) Estimated annual production: (d) Base Price (s) MMCd. (a) Base Price (s) MMCd. (a) Base Price (s) MMCd. (b) Tax (c) All Other Prices [Indicate (1) or (-1)] (d) Total of filing date. Complete to 3 decimal places.] (a) Maximum leavily rate: (As of filing date. Complete to 3 decimal places.] (a) Maximum leavily rate: (As of filing date. Complete to 3 decimal places.] (b) Or only the Only Date of this application: Robert Hart Separation Robert Hart General Mgr.V.P. Name Title	applicant: (35 latters per line maximum, If code number not	600 Commerce Square Street Charleston, WV 25301	DAB89VISIO
Area Name Date of Lease: Mo. Day Yr. SICS Lease Number	or (b).] (a) For onshore wells (35 letters maximum for field	BURNING SPRINGS Field Name WIRT WV	
Date of Lease: Mo. Day Yr. UCS Lease Number	(b) For OCS wells:	State	
(c) Name and identification number of this wells: (35 letters and digits maximum.) (d) If code 4 or 5 in 2.0 above, name of the reservoir; (35 letters maximum.) 6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.) (b) Date of the contract: (c) Estimated annual production: (d) Estimated annual production: (e) Estimated annual production: (f) Tax (g) Maximum lawful rate: (As of filing date. Complete to 3 decimal places.) (g) Operson responsible for this application: Agency Use Only Name Robert Hart General Mgr.V.P. Name Title Name Title Name Title		Date of Lease:	
of the reservoir: (35 letters maximum.) 6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.) (b) Date of the contract: (c) Estimated annual production: (d) Base Price (S/MMBTU) (e) Estimated annual production: (a) Base Price (S/MMBTU) (b) Tax (c) All Other Prices (Indicate (1-) or (-).) (d) Total of (a) and vi (b) and vi (b) and vi (c) an	of this well: (35 letters and digits		
Durchaser: (35 letters and digits maximum. If code number not available, leave blank.) (b) Date of the contract: (c) Estimated annual production: (a) Base Price (S/MMBTU) (b) Tax (c) All Other Prices (Indicate (r) or (-).) (c) Contract price: (As of filling date. Complete to 3 decimal places.) (d) Maximum lawful rate: (As of filling date. Complete to 3 decimal places.) (d) Maximum lawful rate: (As of filling date. Complete to 3 decimal places.) (e) Maximum lawful rate: (As of filling date. Complete to 3 decimal places.) (f) Maximum lawful rate: (As of filling date. Complete to 3 decimal places.) (g) Maximum lawful rate: (As of filling date. Complete to 3 decimal places.) (g) Maximum lawful rate: (As of filling date. Complete to 3 decimal places.) (g) Maximum lawful rate: (As of filling date. Complete to 3 decimal places.) (h) Maximum lawful rate: (As of filling date. Complete to 3 decimal places.) (h) Maximum lawful rate: (As of filling date. Complete to 3 decimal places.) (h) Maximum lawful rate: (As of filling date. Complete to 3 decimal places.) (h) Maximum lawful rate: (As of filling date. Complete to 3 decimal places.) (h) Maximum lawful rate: (As of filling date. Complete to 3 decimal places.) (h) Maximum lawful rate: (As of filling date. Complete to 3 decimal places.) (h) Maximum lawful rate: (As of filling date. Complete to 3 decimal places.) (h) Maximum lawful rate: (As of filling date. Complete to 3 decimal places.)	of the reservoir: (35 letters		
(c) Estimated annual production: (a) Base Price (S/MMBTU) (b) Tax (c) All Other Prices [Indicate (thi and ari thi and ari thi and ari this application: (As of filing date. Complete to 3 decimal places.) (D) Maximum lawful rate: (As of filing date. Complete to 3 decimal places.) (As of filing date. Complete to 3 decimal places.) (D) Person responsible for this application: (E) Agency Use Only Agency Use	purchaser: (35 letters and digits maximum. If code number not		4030
(c) Estimated annual production: Mo. Day Y: Mot. Mot. Something in the content of t	(b) Date of the contract:	Buye	er Corte
(a) Base Price (S/MMBTU) (b) Tax (c) All Other Prices [Indicate (tr) or (-),] (b) Tax (c) All Other Prices [Indicate (tr) or (-),] (d) Total of fall of the Prices [Indicate (tr) or (-),] (d) Total of fall of the Prices [Indicate (tr) or (-),] (d) Total of fall of the Prices [Indicate (tr) or (-),] (d) Total of fall other Prices [Indicate (tr) or (-),] (e) Total of fall other Prices [Indicate (tr) or (-),] (e) Total of fall other Prices [Indicate (tr) or (-),] (e) Total of fall other Prices [Indicate (tr) or (-),] (e) Total of fall other Prices [Indicate (tr) or (-),] (e) Total of fall other Prices [Indicate (tr) or (-),] (e) Total of fall other Prices [Indicate (tr) or (-),] (e) Total of fall other Prices [Indicate (tr) or (-),] (e) Total of fall other Prices [Indicate (tr) or (-),] (e)			
(S/MMBTU) (S/MMBTU) (G. Tetal of (a). Prices [Indicate (b) and unit (c) (a). Of filling date. Complete to 3 decimal places.) (As of filling date. Complete to 3 decimal places.) (O Person responsible for this application: Agency Use Only Name Robert Hart General Mgr.V.P. Name Title	(c) Estimated annual production:	MMcf.	
(As of filing date. Complete to 3 decimal places.) 1.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.) 5.682 1.0 Person responsible for this application: Agency Use Only Tate Received by Juris Agency JAN 13 1984.	10 Cooner	(S/MMBTU) Prices [Indicate (b) and	
Agency Use Only Agency Use Only Agency Use Only Alto Received by Juris Agency JAN 13 1984. As of filing date. Complete to 3 5.682 Robert Hart General Mgr.V.P. Name Title	(As of filing date. Complete to 3 decimal places.)	5.682	
Agency Use Only atc Received by Just Agency JAN 13 1984. Robert Hart Robert Hart Robert Hart Robert Hart Fille Figure 1984.	(As of filing date. Complete to 3	5.682	
JAN 13 1984.	Agency Use Only	Ceneral Mul.	V.P.
Mu Page and A Property of the Page and the P	JAN 1 3 1304 .	Robert Hart	
Date Application is Completed (304) 344-8393	ate Received by FERC	<i>1-11-84</i> (304) 344-8393	

TANTOT ANTS.	DOIDK BEEEEK CODE
WELL OPERATOR: Bow Valley Petroleum,	046189
FIRST PURCHASER: Columbia Gas Trans. Corp.	004030
OTHER:	
W. Va. Department of Mines, Oil & Gas Division APPROVED	7
WELL DETERMINATION FILE NUMBER	
840113-107-105=1071 MAR 21 1984	
Use Above File Number on all Communications	
Relating to Determination of this Well	
CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING	
1. FERC -121 Items not completed - Line No.	
2. IV-1 Agent	
3. IV-2 Well Permi	
4. IV-6 Well Plat	
5. IV-35 Well RecordDrilling Deepe	Ding
6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced?	
7. IV-39 Annual Production	Ratio
8. IV-40 90 day Production Pays off line:	
9. IV-48 Application for certification. Complete?	
10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete?	Affidavit Signed
18-28. Other: Survey Logs Geological Charts _	
Structure Map 4000 Map Well	Tabulations
(5) Date commenced: Date completed Dee	pened
(5) Production Depth:	
(5) Production Formation:	
(5) Final Open Flow:	
(5) After Frac. R. P.	
(6) Other Gas Test:	
(7) Avg. Daily Gas from Annual Production:	
(8) Avg. Daily Gas from 90-day ending w/1-120 days	
(8) Line Pressure:	PSIG from Daily Repor
(5) Oil Production: From Completion Report	
O-17. Does lease inventory indicate enhanced recovery being done	
O-17. Is affidavit signed?Notarized? oes official well record with the Department confirm the property confirm the pro	104/05/2024
the Department Confirm the submitted information	ation?
dditional information Does computer program confirm?	
as Determination Objected to By Whom?	

DATE: MAR 9 1984

BUYER-SELLER CODE

PARTICIPANTS:

STATE APPLICATION FOR WELL CLASSIFICATION Previous File No. (li Applicable) WELL OPERATOR Bow Valley Petroleum Inc. DESIGNATED AGENT Robert N. Hart ADDRESS 600 Commerce Sq. ADDRESS 600 Commerce Sq. Charleston, WV 25301 Charleston, WV 25301 Cas Purchase Contract No. Being negotiated [Honth, Eay and year] Heter Chart Lode Name of First Purchaser Columbia Gas Transmission Corporation Box 1273 (Street or P. WV Charleston (City) 25325 (State) (Zip Code) 040189 FERC Seller Code 004030 FERC Buyer Code TYPE OF DETERMINATION BEING SOUGHT: (1) Initial determination (See FERC Form 121.) Section of NGPA Determination that increased production is the result of enhanced Category Code recovery technology. Determination of a seasonally affected well. Vice President-General Manag 600 Commerce Sa Street or P. O. Box Charleston, W 25301 City State (Zip Code) (304 344-8393 Phone Number Code (Certificate of Proof of Service to Purchaser) Mailed copy to Columbia Gas Transmission - Contract DEpartment c/o Jackie Sydnor (All of the above to be completed by the Operator/Applicant) (To be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and The Department of Mines has received a request. for certification of the above described well as meeting the requirements of Section under the Natural Gas Policy Act of 1976. (NGPA): lor for determination that increased production is the result of enhanced recovery technology under Section 108 of (NGPA); or for determination of a seasonally affected well under Section 108 of (NGPA). All interested parties are hereby notified that on the ____day of _____. 19 ____ at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be heard, there will be a public hearing, if requested, or if objection is filed. This Application is assigned File No. Initial review of information submitted indicates the well is. is not entitled to certification as claimed under the Natural Gas Policy Act (NGPA). A review of this evidence and any additional evidence will be made at the time appointed for a public hearing or as soon thereefter Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will go to determination. WEST VIRGINIA DEPARTMENT OF MINES May 1 JAN 1 3 1984 Date received by Jurisdictional Agency 01/05/2024 Title

DEPARTMENT OF MINES, OIL AND CAS DIVISION

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT

Operator: Bow Valley Petrolewn	Agent: MARVIN COMBS
Type Determination being sought - 107	(Devonian Shale)
API Well No.: 47-105-1071	Well Name: DAVIS WI-064
West Virginia Office of Oil and Gas References: SJA File No.	County: WIRT
Vol Page Line	
(c) intervals with Gamma	n marked with the (a) Shale Base enting 0.7 x (Shale Base Line), a Ray units less than 0.7 x (Shale is included with this analysis.
II. Gamma Ray elevation indices:	1
A. Shale Base Line (AP)	Units)
1. GR Value at Base 2. Remarks:	Line = 140 * API Units
0-200 API S	PALE
B. Gamma Ray Log Value	at 0.7 x Value at Base Line
1. GR Value = 140 2. Calculation: 0	* API Units 7 (GR Value at Base Line) 7 (<u>140</u> *) = <u>98</u> API Units
'III. Intervals with GR index less th	nan 0.7 x (Value at Base Line):
	ckness Feet of less than*
· From** To***	Interval 0.7 (Shale Base Line) Feet Feet
2554' 5309' 2	755'
Total Devonial Interval 27	<u>'55'</u>
Total Less Than 0.7 (Shale Base)	
% Less Than 0.7 (Shale Base Line) = .	0039 x 100 = <u>.399</u> %
*	

*Marked on log included with analysis.

**Top of Devonian Section Recorded on First Interval in this Column.

***Lesser of TD or Bottom of Devonian Section Recorded as last Interval in this Column.

DEPARTMENT OF MINES, OIL AND CAS DIVISION

Crerator WI-064

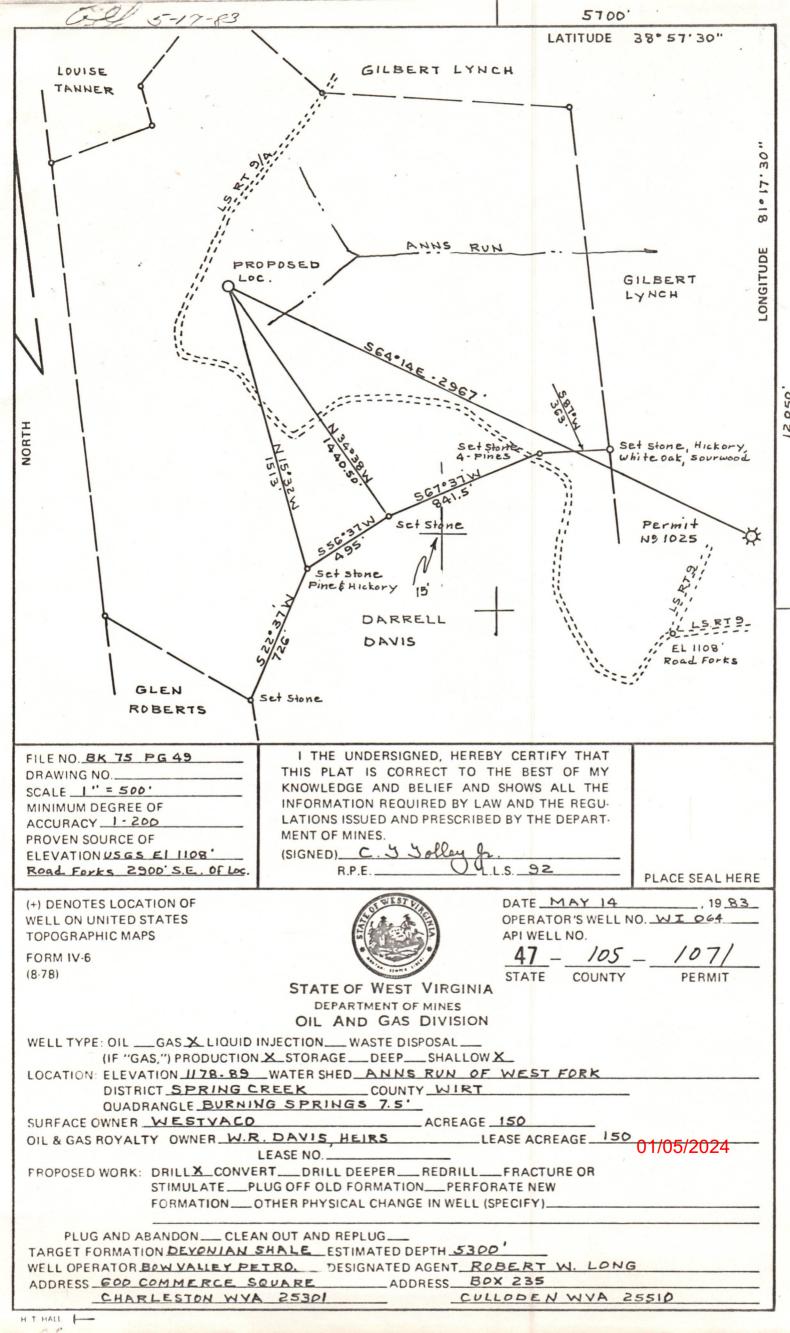
API Veli 105 1071

State 105 1071

MIGH COST GAS WELL - DEVONIAN SHALE

MGPA Section 197

	DESIGNATED ACENT Robert N. Hart
	ADDRESS 600 Commerce Sa.
P W-11 P 7	Charleston, WW 25301
WELL OPERATOR BOW Valley Petroleum Inc.	LOCATION Elevation 1/78.89'
ADDRESS 600 Commerce Sq.	Natershed ANNS RUN OF WEST FK.
Charleston, WV 25301	Dis Sp. Cr. County WIRT MAR B. Sprin
CAS PURCHASER Columbia Gas Transmission	Cas Purchase
ADDRESS Box 1273	Contract No.
Charleston, WV 25325	Meter Chart Code Date of Contract
* * * * * * *	
Date surface drilling began: 6/28/	83
Indicate the bottom hole pressure of the well an	d explain how this was calculated.
BHP=PF+PF e (GL 53.54XT)-1	PF=650# L=3932'
725.7 [#] Bottom Hole Press	C- 7- T- 1010
PF-Pressure Formation T-Temp e=constant=2	ht of pipe to middle of producing formation rankin BHP + Temp @ head 2
G-Specific gravity	
port described in subparagraph (3)	first sworn according to law, state that, I have calculated is not Devonian shale as indicated by a Gamma Ray index of (i) or (3)(ii)(A) has been filed, or as indicated by the reacted that the percentage of potentially disqualifying nonthe gross Devonian age interval; and I have no knowledge of inconsistent with a conclusion that the well qualifies as a
**4	
STATE OF WEST VIRGINIA.	
COUNTY OF Kanauta. TO WIT.	
I. Helen Mas budgrass. a No	cary Public in and for the state and county aforesaid
do certify that Marin Combo. whose nar	ne is signed to the writing above, bearing date
	acknowledged the same before me, in my county
aforesaid.	
Civen under my hand and official see	al this // day of January. 1084.
My term of office expires on the	al this // day of January. 1084.
	7/2 700 1 2
(NOTARIAL SEAL)	Holes Mile Justersen
the state of the s	





IV-9 (Rev 8-81)



DATE	MAY 14, 1982	1	
WELL	NO. #WIO64		

State of Mest Mirginia API NO. 47-105 - 1071 Bepartment of Mines Gil und Cas Division

CONSTRUCTIO	ON AND RECT	AMATION PLA	VIN	1
COMPANY NAME BOW VALLEY PETROLEUM	J. ING. DE	SIGNATED AC	ENT ROBERT W. D	ong
Address CHARLESTON, MIN 25301	7	Address	BOX 235 CULLOGEN, MIN	1
Telephone 304-344-8393		Telephone	304-562-3376	
LANDOWNER WESTURED CORP.		SOIL CONS.	DISTRICT LITTLE	KANAWAR
Revegetation to be carried out by	Bow VALLE			100
This plan has been reviewed by //	/			
and additions become a part of this pla		5-14-8		
per de la periodición dela periodición de la periodición de la periodición dela periodición dela periodición dela periodición dela periodición del periodición dela per		(Date)	0	
	fari	rett The	won	
n lagar dan matan biya permakan darak d Darak darak da		(SCD Ager	nt)	
ACCESS ROAD			LOCATION	
Structure (VIVERT (18")	(A)	Structure	No STRUCTUA	(1)
Spacing		Material_	NEEDED	
Page Ref. Manual Z-8		Page Ref.	Manual	
Structure /7	(D)	Charabasa	1/- / -	enoine (2
Structure DRAWAGE DITCH	(B)	Structure	1 100	PROPER
Spacing		Material_	NECESSARY	STATE OF
Page Ref. Manual Z-/Z		Page Ref.		Y 1 7 1983
Structure	(C)	Structure	MA	(3
Spacing		Material	OIL 8	GAS DIVISION
Page Ref. Manual		Page Ref.	Manual	. Dr Willy
All structures should be inspected commercial timber is to be cut and cut and removed from the site before	stacked and	d all brush	red if necessary. and small timber t	All o be
	REVEGETATIO	N a		
Treatment Area I + I			Troatmont Aroa II	
Lime Z Tons/act	ro	Lime	Treatment Area II	Tons/acre
or correct to pH 6.5	Le	-	rect to pH	TOIIS/ACTE
Fertilizer 600 lbs/acre (10-20-20 or equivalent)	9	Fertilizer	(10-20-20 or equiv	lbs/acre
Mulch Hay Z Tons/act	re	Mulch		Tons/acre
Seed* KENTUCKY 31 FESCUE 45 lbs/acre	e 7	Seed*		lbs/acre
Rys 5-lbs/acre	e se stal			· lbs/acre
LADING CLOVER 5 1bs/acre	e			lbs/acre
*Inoculate all legumes such as vetch Inoculate with 3X recommended amount.	h, trefoil	and clovers	s with the prop $ highered ^{1}/0$	5/2024m.
	PLAN PRE	PARED BY	WILLIAM F. HEN	RICHS, III
NOTES: Please request landowners' cooperation to protect new seedling for one growing season.			OO COMMERCE	
Attach separate sheets as			HARLESTON, WE	ST WAGINIA
necessary for comments.	DI	ONE NO =	04-344-8393	

(REV 8-81)

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

QUADRANGLE BURNING SPRINGS

LEGEND

Well Site
Access Road ——

LOCATION IS ON A FLAT RIOGE TOP IN A WOODED AREA. ARE TIMBER DISTURBED WILL BE CUT + STACKED.

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 4111111111111111111111111111111111111
Road = = = = =	Spring O→
Existing fence x X	Wet spot &
Planned fence —/—/—	Building
Stream \	Drain pipe 0 0
Open ditch>	Waterway ← = = =

