

A-1



1) Date: NOVEMBER 16, 1982
2) Operator's Well No. 942
3) API Well No. 47 105 1017
State County Permit

DRILLING CONTRACTOR:

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas X
B (If "Gas", Production X / Underground storage / Deep / Shallow X)
- 5) LOCATION: Elevation: 1085.53 Watershed: OIL ROCK RUN
District: CLAY County: WIRT Quadrangle: GIRTA
- 6) WELL OPERATOR Bow Valley Pet. Inc 11) DESIGNATED AGENT W.E. STOVER
Address 600 Commerce St Address Box 235
Charleston W.Va 25301 Calloden W.Va.
- 7) OIL & GAS ROYALTY OWNER Glen W. Roberts Estate 12) COAL OPERATOR N/A
Address Elizabeth Address
W.Va.
- 8) SURFACE OWNER West Virginia Pulp & Paper 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
Address Parkersburg Name
W.Va. Address
Acreage 187.5 Name
9) FIELD SALE (IF MADE) TO: Address
Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
Name DEO MACE
Address RT 1 Box 5 Sand Ridge W.V.
- 15) PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION, MARCELLUS SHALE
- 17) Estimated depth of completed well, 5200 feet
- 18) Approximate water strata depths: Fresh, 65 feet; salt, feet.
- 19) Approximate coal seam depths: N/A Is coal being mined in the area? Yes / No X

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OIL & GAS DIVISION
DEPT. OF MINES

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	13			X		30	30	To SURFACE	Kinds
Fresh water	9 3/8			X		250	250	To SURFACE	
Coal									Sizes
Intermediate	7		23	X		2000	2000	To SURFACE	≈ 125 SKS
Production	4 1/2		10.5	X		5150	5150	260 SKS	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

21) EXTRACTION RIGHTS

Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)

24) 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.

Notary:
My Commission Expires

Signed: Charlton F. Roberts
Its: Geologist

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-105-1017 Date November 30 01/12/2024

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires July 30, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>Blanket</u>	Agent: <u>OK</u>	Plat: <u> </u>	Casing: <u> </u>	Fee: <u>410</u>
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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 than 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).
- 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.
- 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 _____ / 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 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.

01/12/2024

Date: _____, 19____

By _____

Its _____

A-4

Line Item 21) - Pursuant to Code 22-4-11(c) the applicant, Bow Valley Petroleum, in lieu of filing the lease with the permit application, does hereby provide the following information:

1.) Robinson tract is located in Clay District of Wirt County, West Virginia, containing 188 acres more or less and bounded on the

North by Clover Bell
East by Glen Roberts
South by Paul Valentine
West by D. Dawson


2.) Lessor - Glen W. Roberts (deceased)
Dorothy Parks Roberts (his wife)

Lessee - Flying Diamond Oil Corporation
Bow Valley Petroleum is successor in interest.

3.) Oil and Gas Lease is recorded in Wirt County Recorders office in Book 152 at Page 722.

4.) Landowners Royalty is 1/8 of all oil and/or gas produced.
Overriding Royalty is 4% of 8/8ths of all oil and/or gas produced.
Both are payable to Glen W. Roberts Estate.

I, Dennis K. Dangler, the undersigned, do hereby certify that the above provided information is correct and accurate to the best of my knowledge and belief and shows all the information required by law and regulations issued and prescribed by the Department of Mines.



Dennis K. Dangler
Land Manager

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NOV 16 1982

OIL & GAS DIVISION
DEPT. OF MINES

01/12/2024



DATE NOVEMBER 11, 1982

WELL NO. #942

State of West Virginia API NO. 47 - 105 - 1017

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME BOW VALLEY PETROLEUM, INC.
Address 600 Commerce Sq.
CHARLESTON, WV
Telephone 304-344-8393

DESIGNATED AGENT W.E. STOVER
Address Box 235
CULLODEN, WV
Telephone 304-562-3376

LANDOWNER WESTVALE CORP.

SOIL CONS. DISTRICT LITTLE KANAWHA

Revegetation to be carried out by BOW VALLEY PETROLEUM, INC. (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 11-12-82

(Date)

Jarrett Newton
(SCD Agent)

ACCESS ROAD

LOCATION

Structure CULVERT (18")

(A)

Structure Location level (1)

Spacing _____

Material _____

Page Ref. Manual 2-8

Page Ref. Manual _____

Structure _____

(B)

Structure _____ (2)

Spacing _____

Material _____

Page Ref. Manual _____

Page Ref. Manual _____

Structure _____

(C)

Structure _____ (3)

Spacing _____

Material _____

Page Ref. Manual _____

Page Ref. Manual _____

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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 #II

Treatment Area II

Lime 2 Tons/acre
or correct to pH 6.5

Lime _____ Tons/acre
or correct to pH _____

Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Fertilizer _____ lbs/acre
(10-20-20 or equivalent)

Mulch Hay 1 1/2 Tons/acre

Mulch _____ Tons/acre

Seed* KENTUCKY 31 FESCUE 45 lbs/acre

Seed* _____ lbs/acre

LADINO CLOVER 3 lbs/acre

_____ lbs/acre

RYE 3 lbs/acre

_____ lbs/acre

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

01/12/2024

PLAN PREPARED BY WILLIAM F. HENRICHS, JR.

ADDRESS 600 Commerce Sq.

CHARLESTON, WV

PHONE NO. 304-344-8393

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

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE GIRTA

LEGEND

Well Site ⊕

Access Road ———

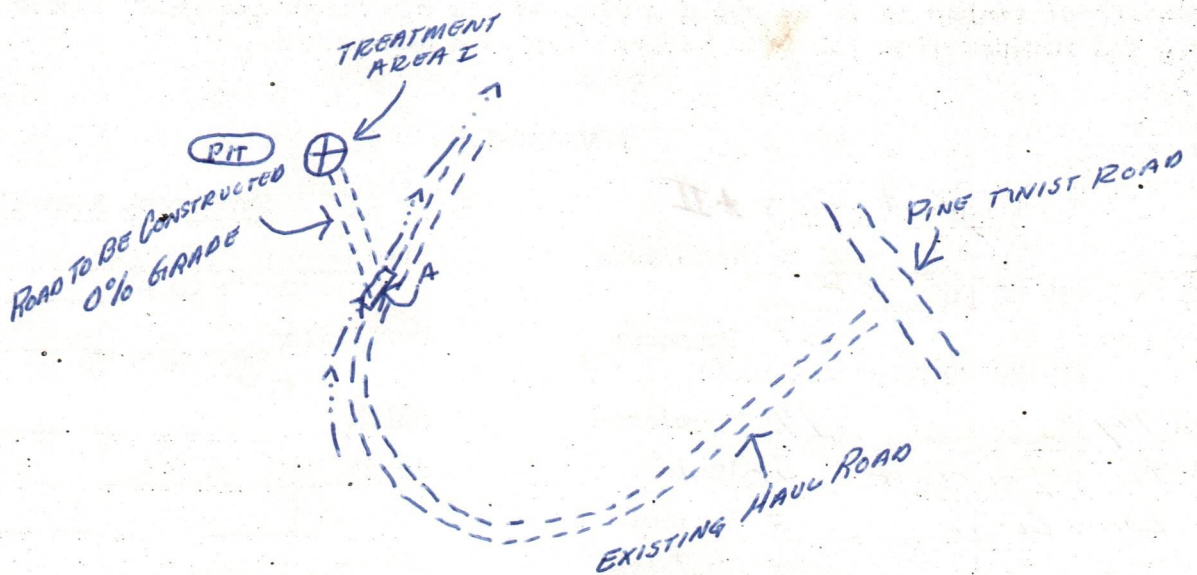
LOCATION IS ON A FLAT
RIDGE-TOP. ACCESS ROAD WILL
BE CONSTRUCTED ACCORDING TO
SKETCH. ALL TIMBER DISTURBED
WILL BE CUT AND STACKED.

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	//////
Road	== == == ==	Spring	○→
Existing fence	—X—X—	Wet spot	⊕
Planned fence	—/—/—	Building	■
Stream	~ ~ ~ ~	Drain pipe	○→○→○→
Open ditch	—>>>>—>>>>—>>>>—>>>>	Waterway	←≡≡≡≡≡



01/12/2024

474

17°30' 475

477

1 500 000 FEET

478

81°15' 39"

PARKERSBURG 23 MI
CISCO 0.3 MI



01/12/2024

4320
2300
FEET

4329
1.3 MI

SMITHVILLE (JUNC. W. VA. 16)

4327

4326

4325

4324

LANE

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OIL & GAS DIVISION
DEPT. OF MINES

01/12/2024



State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25311

Thomas E. Huzzey
Administrator

Walter Miller
Director

MEMORANDUM

TO: Bow Valley Petroleum, Inc. - 600 Commerce Sq. Chas. W.VA. 25301
FROM: Mike Lewis, Draftsman - Office of Oil and Gas - Dept. Mines
SUBJECT: INCOMPLETE LINEN OR MYLAR LOCATION PLATS
DATE: Mylar Plat - Well # 942 - Clay of Wirt County

GENTLEMEN:

We have compiled a Check List for Plats received in this office made up of OMISSIONS that we usually find (Information that is required under the W.Va. Administrative Regulations) Refer to Pages: 54 through 58 (Forms and Contents of Plats)

YOUR PLAT OR PLATS HAVE BEEN RETURNED FOR THE FOLLOWING MARKED REASONS

- Distance of Topo Mark from Coordinates not Shown
- Registered Professional Engineer or Licensed Land Surveyor's Seal Required
- Not Certified or Signed by R.P.E. or L.L.S.
- Latitude Incorrect or Not Shown
- Longitude Incorrect or Not Shown
- Topo Mark Incorrect or Not Shown
- Minimum Degree of Accuracy Unacceptable
- Adjoining Property Owners Not Shown
- Proven Elevation Not Shown
- District Incorrect
- County Incorrect
- Quadrangle Incorrect
- Surface Owner Not Shown or Differs from OG-1 or IV-2
- Oil & Gas Royalty Owner Not Shown or Differs from OG-1 or IV-2
- Target Formation Not Shown
- Estimated Depth Not Shown
- Well Operator's Name and Address Not Shown
- Designated Agent's Name and Address Not Shown or Differs from OG-1 or IV-2
- Lease Acreage Not Shown
- Well Type/Proposed Work Not Shown
- Typed Information Not Acceptable
- Information in Pencil Not Acceptable
- Existing well location(s) within 1200' - 2400' not Shown

01/12/2024



State of West Virginia

Department of Mines
Oil and Gas Division
Charleston 25311

Walter Miller
Director

Thomas E. Huzzey
Administrator

MEMORANDUM

TO: Bow Valley Petroleum Co.
FROM: Charlotte Milam, Clerk - Office of Oil & Gas - Dept. Mines
SUBJECT: INCOMPLETE DRILLING APPLICATIONS (OG-1's or IV-2's)
DATE: November 18, 1982 (IV-2 Well # 942 - Clay of Wirt Co.)
INFORMATION RETURNED:

GENTLEMEN:

We have compiled a Check List for Incomplete Drilling Applications received. Please complete the Deficient Part Checked below and return to our office. As per Memorandum dated April 28, 1981, we will not hold Incomplete applications in our office.

- Insufficient Number of OG-1's or IV-2's (Original and (4) Copies Required.
- Reclamation Plan (IV-9) Not Signed or Enclosed
- Well Type Not Shown
- Location Information Incomplete
- Surface or Royalty Owner Not Shown
- Coal Operator/Owner/Lessee Not Shown
- Oil & Gas Inspector to be Notified Not Shown
- Lease Information Incomplete
- Drilling Application Not Signed
- Geological Target Formation Not Shown
- Estimated Depth Not Shown
- Approximate Water Strata Depths or Coal Seam Depths Not Shown
- Casing & Tubing Program Incomplete
- Coal Waiver Not Signed
- Well Operator and Address Not Shown
- Designated Agent's Name and Address Not Shown
- Information given Not Legible (Poor Copies)

We ask your Cooperation in trying to reduce our delays in processing permits by completing all information required under the Administrative Regulations:

01/12/2024

B-1

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JAN 5 - 1983



IV-35 (Rev 8-81)

OIL AND GAS DIVISION WV DEPARTMENT OF MINES

Date December 30, 1982 Operator's Well No. 942 Farm Robinson API No. 47 - 105 - 1017

State of West Virginia Department of Mines Oil and Gas Division

WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal / (If "Gas," Production X / Underground Storage / Deep / Shallow X /)

LOCATION: Elevation: 1085.53 Watershed Oil Rock Run District: Clay County Wirt Quadrangle Girta 7.5'

COMPANY Bow Valley Petroleum Inc. ADDRESS 600 Commerce Sq. Charleston, WV 25301 DESIGNATED AGENT W. E. Stover ADDRESS Culloden, WV SURFACE OWNER Glen W. Roberts Estate ADDRESS Elizabeth, WV MINERAL RIGHTS OWNER West Virginia Pulp & Paper ADDRESS Parkersburg, WV OIL AND GAS INSPECTOR FOR THIS WORK Deo Mace ADDRESS Sandridge, WV PERMIT ISSUED 11-16-82 DRILLING COMMENCED 12-3-82 DRILLING COMPLETED 12-13-82 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 13-10", 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Devonian Shale Marcellus Depth feet Depth of completed well 5867 feet Rotary X / Cable Tools Water strata depth: Fresh 97 feet; Salt feet Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA Producing formation Devonian Shale Pay zone depth feet Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d Final open flow 289 Mcf/d Final open flow show Bbl/d Time of open flow between initial and final tests hours Static rock pressure testing psig (surface measurement) after 24 hours shut in (If applicable due to multiple completion--)

01/12/2024

(Continue on reverse side)

WIRT - 1017

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.
Well fraced in two stages; each stage consisting of 750,000 sft³ N₂ with 500 gallons of acid for initial breakdown.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Soil			0	6	
Alternating Sand & Shales			6	1870	
Big Lime			1870	2035	
Injun Sand			2035	2100	
Weir Shale			2100	2341	
Sunbury Shale			2341	2386	
Dev. Shale			2386	5750	

(Attach separate sheets as necessary)

Bow Valley Petroleum Inc.

Well Operator

By: Marvin Combs 01/12/2024

Date: December 30, 1982

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 coal, encountered in the drilling of a well."

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

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DEC 15 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 103-1017

Oil or Gas Well _____
(KIND)

Company Bow Valley
 Address _____
 Farm G. Roberts
 Well No. 942
 District Clay County Wirt
 Drilling commenced 12-4-82
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 3/8			Depth set _____
5 3/16			
3			Perf. top _____
2			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

Drillers' Names Ray Resources #4

Remarks:
37' of 13 3/4" casing
251' of 9 5/8" casing cemented by Danell with 100 SACKS.
2092' 7" " " " " " on 12-6-82.

12-6-82
DATE

W. Mace
DISTRICT WELL INSPECTOR

01/12/2024

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location		Amount	Packer	Location		
	PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
	CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

_____ DATE I hereby certify I visited the above well on this date.

01/12/2024
DISTRICT WELL INSPECTOR

B-4

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

RECEIVED

DEC 15 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 105-1017

Oil or Gas Well _____
(KIND)

Company Bow Valley

Address _____

Farm Roberts

Well No. 942

District Clay County Wirt

Drilling commenced _____

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

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

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 3/8			Depth set _____
5 3/16			
3			Perf. top _____
2			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

Drillers' Names Ray Res. #4

Remarks:
Will T.D. at 5990'.
5700' now at 5:30 PM

12-10-82
DATE

W. S. Mace
01/12/2024
DISTRICT WELL INSPECTOR

Form 26
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

DATE I hereby certify I visited the above well on this date.

01/12/2024

DISTRICT WELL INSPECTOR



State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

DATE January 4, 1983

Deo Mace
Rt. 1, Box 5
Sandridge, WV 25274

PERMIT NO.: 47-105-1017

COMPANY Bow Valley Petroleum Inc.

FARM: Robinson

WELL-NO.: 942

DISTRICT: Clay

COUNTY Wirt

Dear Sir:

Please make a FINAL INSPECTION within thirty (30) days of the well described above, or submit a STATUS REPORT - saying why this well can not be released at this time.

Very truly yours,

Sarah Sheer

01/12/2024



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

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

RECEIVED
OCT 16 1984
OIL & GAS DIVISION
DEPT. OF MINES

COMPANY Bow Valley Petroleum Inc.
Charleston, WVA 25301
600 Commerce Square

PERMIT NO 105-1017
FARM & WELL NO Robinson 942
DIST. & COUNTY Clay - Wirt

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 Strenght		
15.05	Cement Type		
23.02	Maintained Access Roads	✓	
25.01	Necessary Equipment to Prevent Waste	✓	
23.04	Reclaimed Drilling Pits	✓	
23.05	No Surface or Underground Pollution	✓	
23.07	Requirements for Production & Gathering Pipelines	✓	
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings	✓	

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Homes H. Dougherty
DATE 10/9/84

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. L. R. B.
Administrator-Oil & Gas Division

January 4, 1985

DATE

1.0 API well number: (If not available, leave blank. 14 digits.) 17 105 1017

2.0 Type of determination being sought: (Use the codes found on the front of this form.) 103
 Section of NGPA

3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.) 5867 feet
 Category Code DEPT. 040189
 FEB 28 1983

4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)
 Name Bow Valley Petroleum Inc.
 Street 600 Commerce Square Bldg.
 City Charleston State WV Zip Code 25301

5.0 Location of this well: [Complete (a) or (b).]
 (a) For onshore wells (35 letters maximum for field name.)
 Field Name WIRT
 County WV State WV

(b) For OCS wells:
 Area Name _____ Block Number _____
 Date of Lease _____
 Mo. Day Yr. _____ OCS Lease Number _____

(c) Name and identification number of this well: (35 letters and digits maximum.)
ROBINSON 942

(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.)
Columbia Gas Transmission Corporation 004030
 Name Buyer Code

(b) Date of the contract:

 Mo. Day Yr. _____

(c) Estimated annual production: _____ MMcf

	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
Contract price: (As of filing date. Complete to 3 decimal places.)	<u>2.710</u>	<u>-.405</u>	<u>-----</u>	<u>3.115</u>
Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	<u>2.710</u>	<u>-.405</u>	<u>-----</u>	<u>3.115</u>

Person responsible for this application:
 Agency Use Only
 Received by Juris. Agency **FEB 28 1983**
 Received by FERC

Robert N. Hart V.P. General Mgr.
 Name Title
Robert N. Hart
 Signature
 Date Application is Completed 344-8393
 Phone Number

01/12/2024

PARTICIPANTS:

DATE: MAY 31 1983

BUYER-SELLER CODE

WELL OPERATOR: Bow Valley Petroleum Inc.

040189

FIRST PURCHASER: Columbia Gas Trans. Corp.

004030

OTHER: _____

1500'

Qual ASH

W. Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER

830228-103-105-1017

Use Above File Number on all Communications
Relating to Determination of this Well

QUALIFIED

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 Items not completed - Line No. 7.0 & 8.0 C
- 2. IV-1 Agent Robert N. Hart
- 3. IV-2 Well Permit _____
- 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 _____ 1: 4000 Map _____ Well Tabulations _____
Gas Analyses _____
- (5) Date commenced: 12-3-82 Date completed 12-13-82 Deepened
- (5) Production Depth: 2386 - 5750
- (5) Production Formation: Devonian Shale
- (5) Final Open Flow: 289 MCF
- (5) After Frac. R. P. 600# 24 hrs
- (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 Report
- (5) Oil Production: _____ From Completion Report _____
- 10-17. Does lease inventory indicate enhanced recovery being done NO
- 10-17. Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information? yes
- Additional information _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

01/12/2024

Operator's Well No. 942
API Well No. 47 - 105 - 017
State County Permit
Previous File No. (If Applicable)

STATE APPLICATION FOR WELL CLASSIFICATION

WELL OPERATOR Bow Valley Petroleum Inc.

DESIGNATED AGENT Robert N. Hart

ADDRESS 600 Commerce Sq.
Charleston, WV 25301

ADDRESS 600 Commerce Sq.
Charleston, WV 25301.

Gas Purchase Contract No. _____ and Date Being negotiated
(Month, day and year)

Meter Chart Code _____

Name of First Purchaser Columbia Gas Transmission Corporation
Box 1273
(Street or P. O. Box)
Charleston WV 25325
(City) (State) (Zip Code)

FERC Seller Code 040189 FERC Buyer Code 004030

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) Section of NGPA 103 Category Code _____
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

Name (Print) Robert Hart Vice President-General Manager
title

X Robert Hart
Signature
600 Commerce Sq.
Street or P. O. Box
Charleston, WV 25301
City State (Zip Code)
(304) 344-8393
Area 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 purchaser, if known).

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); or 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 thereafter as the matter may be heard.

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

FEB 28 1983

Date received by Jurisdictional Agency

By [Signature] Director
Titl _____
01/12/2024

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

Date JAN 3 1983

Operator's Well No. 942

API Well No. 47 - 105 - 1017
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
MCPA Section 103

DESIGNATED AGENT Robert Hart
ADDRESS 600 Commerce Sq.
Charleston, WV 25301

WELL OPERATOR Row Valley Petroleum Inc
ADDRESS 600 Commerce Sq.
Charleston, WV 25201

LOCATION: Elevation 1085.53
Watershed OIL ROCK RUN
Dist. Clay County WIRT Quad. GIRTH

GAS PURCHASER Columbia Gas Trans Corp.
ADDRESS Box 1273
Charleston, WV 25325

Gas Purchase Contract No. _____
Meter Chart Code _____
Date of Contract _____

* * * * *

Date surface drilling was begun 12-3-82

Indicate the bottom hole pressure of the well and explain how this was calculated.

$BHP_2 = PWH + PWH \left[\frac{0.0000347 \text{ G L}}{2.71828} \right] - 1$ WHERE

0.0000347 IS A FACTOR TAKING INTO ACCOUNT TEMPERATURE AND SUPERCOMPRESSIBILITY.

- PWH - WELL HEAD PRESSURE 600
- L - DEPTH TO MIDDLE OF PRODUCING FORM. 4400
- G - SPECIFIC GRAVITY OF THE GAS .6
- TWH - TEMPERATURE AT WELL HEAD OF
- TBH - TEMPERATURE BOTTOM HOLE OF

$BHP_2 = \underline{657.56}$

AFFIDAVIT

I, Charlton B. Roberts, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which is capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

Charlton B. Roberts

STATE OF West Virginia
COUNTY OF Kanawha TO WIT:

I, Helen Mae Brodgrass, a Notary Public in and for the state and county aforesaid, certify that Charlton B. Roberts whose name is signed to the writing above, bearing date 3rd day of January, 1983, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 3rd day of January, 1983. My term of office expires on the 25th day of July, 1988.

Helen Mae Brodgrass
Notary Public.

01/12/2024

(OFFICIAL SEAL)

(If not available, leave blank. 14 digits.)

47 105 1017

2.0 Type of determination being sought: (Use the codes found on the front of this form.)
107 Section of NGPA

3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)
5867 feet

4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)
Bow Valley Petroleum Inc.
600 Commerce Square Bldg.
Charleston WV 25301
City State Zip Code

5.0 Location of this well: [Complete (a) or (b).]
(a) For onshore wells (35 letters maximum for field name.)
Field Name: WIRT
County: WV State: WV
(b) For OCS wells:
Area Name: _____ Block Number: _____
Date of Lease: _____
Mo. Day Yr. OCS Lease Number: _____

(c) Name and identification number of this well: (35 letters and digits maximum.)
ROBINSON 942

(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.)
Columbia Gas Transmission Corporation 004030
Name Buyer Code
(b) Date of the contract:
Mo. Day Yr.
(c) Estimated annual production:
MMcf

	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
0 Contract price: (As of filing date. Complete to 3 decimal places.)	5.421	.810	---	6.231
0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	5.421	.810	---	6.132

0 Person responsible for this application:
Agency Use Only
Date Received by Juris. Agency: FEB 28 1983
Date Received by FERC: _____
Name: Robert N. Hart Title: V.P. General Mgr.
Signature: Robert N. Hart
Date Application is Completed: _____ Phone Number: 344 8393

01/12/2024

WELL CLASSIFICATION FORM

HIGH COST GAS WELL - DEVONIAN SHALE
NGPA Section 107

WELL OPERATOR Bow Valley Pet. Inc.
ADDRESS 600 Commerce Sq
Charleston WVa
GAS PURCHASER Columbia Gas Trans
ADDRESS Box 1273
Charleston, WVa

DESIGNATED AGENT Robert HART
ADDRESS 600 Commerce Square
Charleston WVa
LOCATION Elevation 1085.53
Watershed Oil Rock Run
Dist. Clay County Net Quad. G12A
Gas Purchase Contract No. _____
Meter Chart Code _____
Date of Contract _____

* * * * *
Date surface drilling began: 12-5-82

Indicate the bottom hole pressure of the well and explain how this was calculated.

$$BHP_2 = PWH + PWH \left[\frac{(0.0000347 \text{ G L})}{2.71828} - 1 \right] \text{ WHERE}$$

0.0000347 IS A FACTOR TAKING INTO ACCOUNT TEMPERATURE AND SUPERCOMPRESSIBILITY.

$$BHP_2 = 657.56$$

- PWH - WELL HEAD PRESSURE
- L - DEPTH TO MIDDLE OF PRODUCING FORM.
- G - SPECIFIC GRAVITY OF THE GAS
- TWH - TEMPERATURE AT WELL HEAD OF
- TBH - TEMPERATURE BOTTOM HOLE OF

AFFIDAVIT

I, Charlton B. Roberts, having been first sworn according to law, state that I have calculated the percentage of footage of the producing interval which is not Devonian Shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log described in subparagraph (3)(1) or (3)(ii)(A) has been filed, or as indicated by the report described in subparagraph (3)(ii)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high-cost natural gas well.

Charlton B. Roberts

STATE OF WEST VIRGINIA

COUNTY OF Kanawha, TO-WIT:

I, Helen Mae Snodgrass, a Notary Public in and for the state and county aforesaid, do certify that Charlton B. Roberts, whose name is signed to the writing above, bearing date the 3rd day of January, 19 83, has acknowledged the same before me, in my county aforesaid.

01/12/2024

Given under my hand and official seal this 3rd day of January, 19 83.
My term of office expires on the 25th day of July, 19 88.

Helen Mae Snodgrass
Notary Public

(NOTARIAL SEAL)

WELL CLASSIFICATION FORM

HIGH COST GAS WELL - DEVONIAN SHALE

NGPA Section 107

DESIGNATED AGENT Robert Hart

ADDRESS 600 Commerce Square
Charleston WVa

LOCATION Elevation 1085.53

Watershed Oil Rock Run

Dist. Clay County Wirt Quad. G1211

Gas Purchase

Contract No.

Meter Chart Code

Date of Contract

WELL OPERATOR Bow Valley Pet. Inc.

ADDRESS 600 Commerce Sq
Charleston, WVa

GAS PURCHASER Columbia Gas Trans.

ADDRESS Box 1273
Charleston, WVa

* * * * *

Date surface drilling began: 12-5-82

Indicate the bottom hole pressure of the well and explain how this was calculated.

$$BHP_2 = PWH + PWH \left[\frac{(0.0000347 \text{ G L})}{2.71828} - 1 \right] \text{ WHERE}$$

0.0000347 IS A FACTOR TAKING INTO ACCOUNT TEMPERATURE AND SUPERCOMPRESSIBILITY.

$$BHP_2 = 657.56$$

- PWH - WELL HEAD PRESSURE
- L - DEPTH TO MIDDLE OF PRODUCING FORM.
- G - SPECIFIC GRAVITY OF THE GAS
- TWH - TEMPERATURE AT WELL HEAD °F
- TBH - TEMPERATURE BOTTOM HOLE °F

AFFIDAVIT

Charlton B. Roberts, having been first sworn according to law, state that I have calculated the percentage of footage of the producing interval which is not Devonian Shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log described in subparagraph (3)(i) or (3)(ii)(A) has been filed, or as indicated by the report described in subparagraph (3)(ii)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high-cost natural gas well.

Charlton B. Roberts

STATE OF WEST VIRGINIA

COUNTY OF Kanawha, TO-WIT:

Helen Mae Hudgrass, a Notary Public in and for the state and county aforesaid, do certify that Charlton B. Roberts, whose name is signed to the writing above, bearing date the 3rd day of January, 19 83, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 3rd day of January, 19 83.
My term of office expires on the 25th day of July, 19 88.

01/12/2024

(NOTARIAL SEAL)

Helen Mae Hudgrass
Notary Public

Operator: Bow Valley Petroleum Agent: Charlton R Roberts
 Type Determination being sought - 107 (Devonian Shale)
 API Well No.: 47 105 1017 Well Name: ROBINSON 942
 West Virginia Office of Oil and Gas County: WIRT
 References: SJA File No.

Vol. Page Line

I. NOTE: A Gamma Ray Log has been marked with the (a) Shale Base Line, (b) a line representing 0.7 x (Shale Base Line), (c) intervals with Gamma Ray units less than 0.7 x (Shale Base Line) and that log is included with this analysis.

II. Gamma Ray elevation indices:

A. Shale Base Line (API Units)

1. GR Value at Base Line = 150 * API Units
2. Remarks:

B. Gamma Ray Log Value at 0.7 x Value at Base Line

1. GR Value = 150 * API Units
2. Calculation: 0.7 (GR Value at Base Line)
 0.7 (150*) = 105 API Units

III. Intervals with GR index less than 0.7 x (Value at Base Line):

Interval		Thickness of Interval Feet	Feet of less than* 0.7 (Shale Base Line) Feet
From**	To***		
2396	5878	3482	

Total Devonian Interval 3482

Total Less Than 0.7 (Shale Base) 60

% Less Than 0.7 (Shale Base Line) = 0.172 x 100 = 17.2%

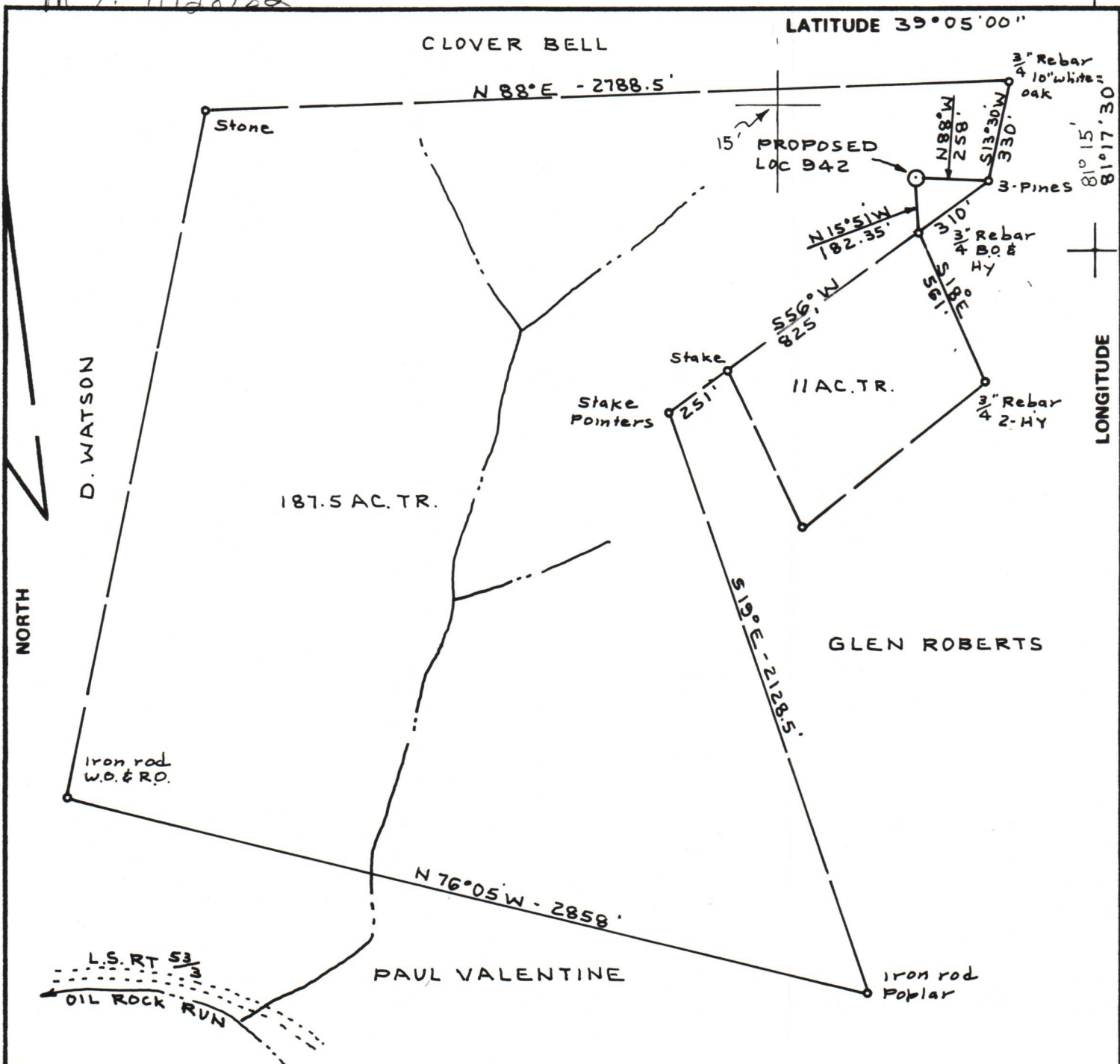
*Marked on log included with analysis.

**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.

01/12/2024

11/28/82



FILE NO. BK 73 P 54
 DRAWING NO. _____
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1-200'
 PROVEN SOURCE OF ELEVATION USGS Road Forks N 29° 50' E - 2223' From loc. E1 941.0'

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) C. S. Valley Jr.
 R.P.E. _____ I.L.S. 92

PLACE SEAL HERE

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



DATE NOV 12, 1982
 OPERATOR'S WELL NO. 942
 API WELL NO. _____
47 - 105 - 1017
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1085.53' WATER SHED OIL ROCK RUN
 DISTRICT CLAY COUNTY WIRT
 QUADRANGLE GIRTA 7.5'
 SURFACE OWNER WESTVACD ACREAGE 187.5
 OIL & GAS ROYALTY OWNER GLEN ROBERTS LEASE ACREAGE 188 01/12/2024
 LEASE NO. 1867
 PROPOSED WORK: DRILL X 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 ESTIMATED DEPTH 5200'
 WELL OPERATOR BDW VALLEY PETRO. DESIGNATED AGENT W. E. STOVER
 ADDRESS 600 COMMERCE SQUARE ADDRESS BOX 235
CHARLESTON WVA 25301 CULLODEN WVA 25510

WIRT-1017

Operator's Well No. 942
API Well No. 47 - 105 - 1017
State County Permit
Previous File No. _____ (If Applicable)

STATE APPLICATION FOR WELL CLASSIFICATION

WELL OPERATOR Bow Valley Petroleum Inc.
ADDRESS 600 Commerce Sq.
Charleston, WV 25301

DESIGNATED AGENT Robert N. Hart
ADDRESS 600 Commerce Sq.
Charleston, WV 25301

Gas Purchase Contract No. _____ and Date Being negotiated
(Month, day and year)
Meter Chart Code _____
Name of First Purchaser Columbia Gas Transmission Corporation
Box 1273
Charleston (Street or P. O. Box) WV 25325
(City) (State) (Zip Code)
FERC Seller Code 040189 FERC Buyer Code 004030

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) 107 Section of NGPA 3 Category Code
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

Robert Hart Vice President-General Manager
Name (Print) Title
Robert Hart
Signature
600 Commerce Sq.
Street or P. O. Box
Charleston, WV 25301
City State (Zip Code)
304 344-8393
Area Code Phone Number

(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 purchaser, if known).

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); or 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 thereafter as the matter may be heard.

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

FEB 28 1983

Date received by Jurisdictional Agency

By [Signature] Director
Title _____ 01/12/2024

PARTICIPANTS:

DATE: MAY 31 1983

BUYER-SELLER CODE

WELL OPERATOR: Bow Valley Petroleum Inc.

040189

FIRST PURCHASER: Columbia Gas Trans. Corp.

004030

OTHER: _____

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
830228-107-105-1017
 Use Above File Number on all Communications
 Relating to Determination of this Well

QUALIFIED

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

- ITEM NO.
1. FERC -121 Items not completed - Line No. 7.0 & 8.0 c
 2. IV-1 Agent Robert N. Hart
 3. IV-2 Well Permit _____
 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?
 - 0-17. IV Form 51 - 52 - 53 - 54 - (55) - 56 - 57 - 58 Complete? Affidavit Signed
 - 3-28. Other: Survey _____ Logs _____ Geological Charts _____
 Structure Map _____ 1: 4000 Map _____ Well Tabulations _____
 Gas Analyses _____
 - (5) Date commenced: 12-3-82 Date completed 12-13-82 Deepened _____
 - (5) Production Depth: 2386 - 5750
 - (5) Production Formation: Devonian Shale
 - (5) Final Open Flow: 289 MCF
 - (5) After Frac. R. P. 600# 24 hrs.
 - (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 Report _____
 - (5) Oil Production: _____ From Completion Report _____
 17. Does lease inventory indicate enhanced recovery being done NO
 17. Is affidavit signed? Notarized?
 - Official well record with the Department confirm the submitted information? yes 01/12/2024
 - Additional information _____ Does computer program confirm? _____
 - Determination Objected to _____ By Whom? _____