



1) Date: Nov. 29, 1982

2) Operator's Well No. WI - 022

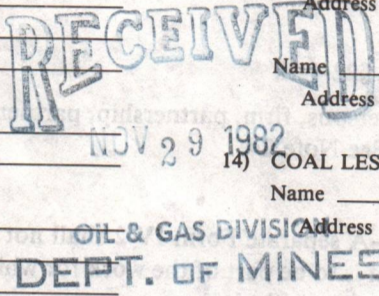
3) API Well No. 47 105 1026  
State County Permit

DRILLING CONTRACTOR:

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil XX / Gas XX  
B (If "Gas", Production XX / Underground storage      / Deep      / Shallow XXX)
- 5) LOCATION: Elevation: 1099.11 Watershed: Sergents Run  
District: Burning Springs County: Wirt Quadrangle: Girta
- 6) WELL OPERATOR Bow Valley Pet. Inc. 11) DESIGNATED AGENT W.E. Stover  
Address 600 Commerce Square Address Box 235  
Charleston, WV. Culloden, WV.
- 7) OIL & GAS ROYALTY OWNER Glen Roberts, Estate 12) COAL OPERATOR N/A  
Address Elizabeth, WV. Address
- 8) SURFACE OWNER Westvaco 13) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Address Parkersburg, WV. Name       
Acreage 165 Address
- 9) FIELD SALE (IF MADE) TO: Name       
Address      Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED Name Deo Mace 14) COAL LESSEE WITH DECLARATION ON RECORD:  
Address Rt. 1 Box 5 Address       
Sand Ridge, WV. Name
- 15) PROPOSED WORK: Drill XXX / 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, 5400 feet
- 18) Approximate water strata depths: Fresh, 90 feet; salt,      feet.
- 19) Approximate coal seam depths: N/A Is coal being mined in the area? Yes      / No XXXX X



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 5/8          |       |                | X   |      | 250               | 250          | to surface                           |               |
| Coal                  |                |       |                |     |      |                   |              |                                      | Sizes         |
| Intermediate          | 7              |       | 23             | X   |      | 2050              | 2050         | to surface                           | - 125 sks     |
| Production            | 4 1/2          |       | 10.5           | X   |      | 5350              | 5350         | 270 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:      Signed: Charlton B. Roberts  
My Commission Expires      Its: Geologist

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-105-1026 Date December 1 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 31, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

|                      |                    |                   |                    |                |
|----------------------|--------------------|-------------------|--------------------|----------------|
| Bond: <u>Blanket</u> | Agent: <u>    </u> | Plat: <u>    </u> | Casing <u>    </u> | Fee <u>394</u> |
|----------------------|--------------------|-------------------|--------------------|----------------|

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 \_\_\_\_\_

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.) McConaughey Tract is located in Burning Springs District of Wirt County, W.V. containing 165 acres more or less and bounded on the  
North by Vandevender  
East by McConaughey  
South by Mead-Kirkendall Heirs  
West by South Penn Oil Co.
- 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 29 1982  
OIL & GAS DIVISION  
DEPT. OF MINES

01/12/2024



DATE November 26, 1982  
WELL NO. # W1022  
API NO. 47 - ~~105~~ - 1026  
105

State of West Virginia  
Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Bow Valley Petroleum, Inc.  
Address 600 Commerce Square  
Charleston, WV  
Telephone 304-344-8393

DESIGNATED AGENT W. E. Stover  
Address Box 235  
Culloden, WV  
Telephone 304-562-3376

LANDOWNER Westvaco 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: 11-26-82

(Date)

Jarrett Newlon  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure CULVERT (18") (A)  
Spacing \_\_\_\_\_  
Page Ref. Manual 2-8

Structure Very light grading (1)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

Structure DRAINAGE DITCH (B)  
Spacing \_\_\_\_\_  
Page Ref. Manual 2-15

Structure \_\_\_\_\_ (2)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

Structure \_\_\_\_\_ (C)  
Spacing \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

Structure \_\_\_\_\_ (3)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

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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  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch HAY 2 Tons/acre  
Seed\* KENTUCKY 31 FESCUE 45 lbs/acre  
RYE 3 lbs/acre  
LADINO CLOVER 4 lbs/acre

Lime \_\_\_\_\_ Tons/acre  
or correct to pH \_\_\_\_\_  
Fertilizer \_\_\_\_\_ lbs/acre  
(10-20-20 or equivalent)  
Mulch \_\_\_\_\_ Tons/acre  
Seed\* \_\_\_\_\_ lbs/acre  
\_\_\_\_\_ lbs/acre  
\_\_\_\_\_ lbs/acre

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

01/12/2024

PLAN PREPARED BY William F. Henrichs, Jr  
ADDRESS 600 Commerce Square  
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 

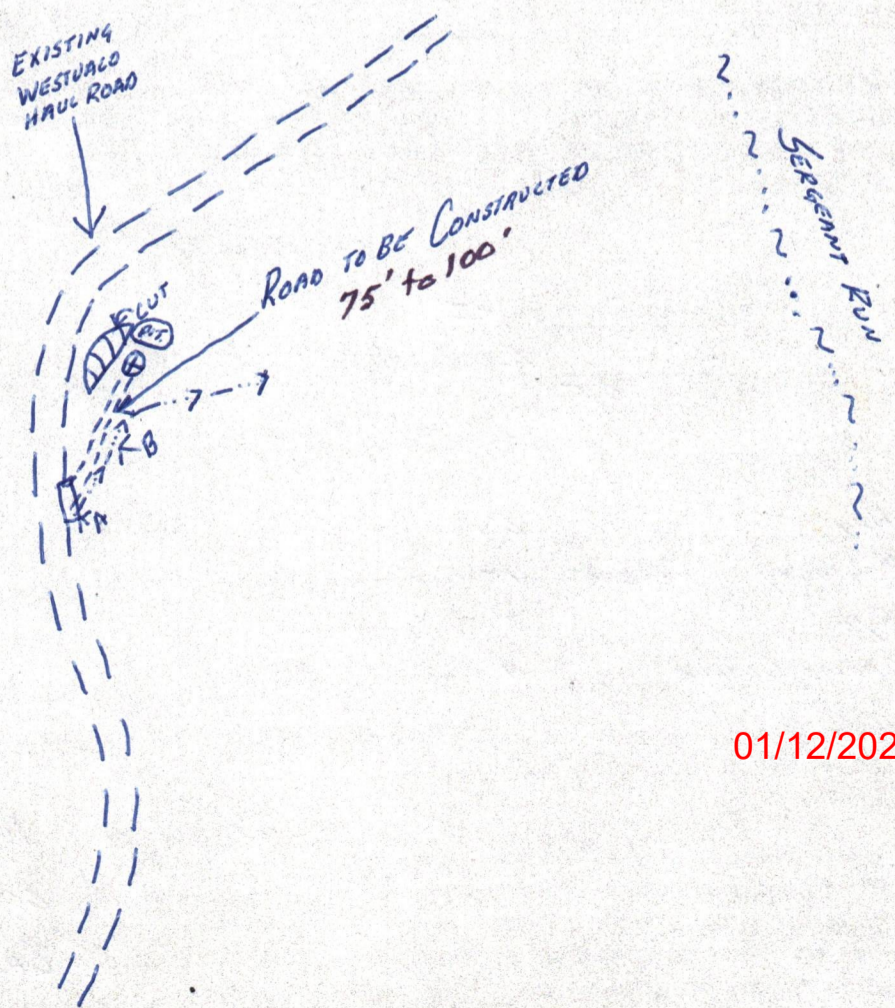
*LOCATION IS ON A SLIGHTLY SLOPING  
BENCH. ACCESS ROAD WILL BE CONSTRUCTED  
ACCORDING TO PLAN. ALL TIMBER DISTURBED  
WILL BE CUT AND STACKED.*

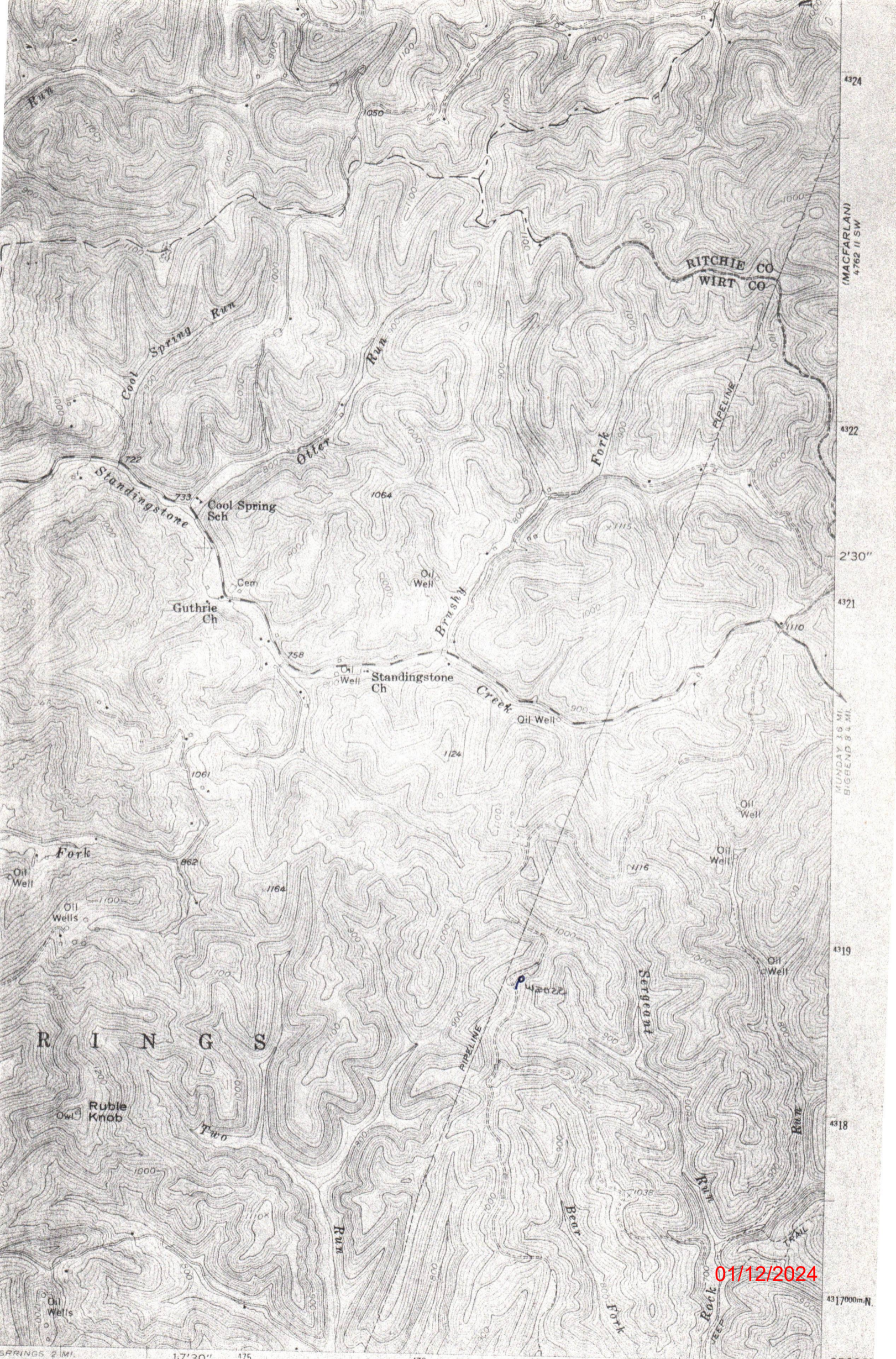
WELL SITE PLAN

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     | Wet spot    |
| Planned fence      | Building    |
| Stream             | Drain pipe  |
| Open ditch         | Waterway     |





4324  
(MACFARLAN)  
4762 II SW  
4322  
2'30"  
4321  
4319  
4318  
4317000m.N  
39°00'

SPRINGS 2 MI. 1.7'30" 475 476 477 81°15'

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1977  
478000m.E

ROAD CLASSIFICATION

Heavy duty  
Medium duty  
Light duty  
Unimproved dirt

1 MILE  
6000  
2000 FEET  
4 KILOMETER

476  
477  
478

01/12/2024

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DEPT. OF MINES  
OIL & GAS DIVISION

01/12/2024

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DEC 22 1983

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DEPT. OF MINES



State of West Virginia

Department of Mines

Oil and Gas Division

Date December 16, 1983

Operator's Well No. W1022

Farm Roberts

API No. 47 - 105 - 1026

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: 1099.11 Watershed Sergents Run

District: Burning Sprg. County Wirt     Quadrangle Girta

COMPANY Bow Valley Petroleum, Inc.

ADDRESS 600 Commerce Sq. Charleston, WV.

DESIGNATED AGENT Robert Long

ADDRESS Box 235 Culloden, WV.

SURFACE OWNER Westvaco

ADDRESS Parkersburg, West Virginia

MINERAL RIGHTS OWNER Glen Roberts Estate

ADDRESS Box 92 Elizabeth, West Virginia

OIL AND GAS INSPECTOR FOR THIS WORK Deo

Mace ADDRESS Sandridge, WV.

PERMIT ISSUED December 1, 1982

DRILLING COMMENCED December 19, 1982

DRILLING COMPLETED December 30, 1982

IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON    

| Casing & Tubing  | Used in Drilling | Left in Well | Cement fill up Cu. ft. |
|------------------|------------------|--------------|------------------------|
| Size 20-16 Cond. |                  |              |                        |
| 13-10"           | 264.40           | 264.40       | 95sks                  |
| 9 5/8            |                  |              |                        |
| 8 5/8            | 2189.80          | 2189.80      | 150sks                 |
| 7                |                  |              |                        |
| 5 1/2            |                  |              |                        |
| 4 1/2            | 5815.10          | 5815.10      | 550sks                 |
| 3                |                  |              |                        |
| 2                |                  | 5736.35      |                        |
| Liners used      |                  |              |                        |

GEOLOGICAL TARGET FORMATION Devonian Shale Depth     feet

Depth of completed well 5910' feet Rotary X / Cable Tools    

Water strata depth: Fresh 220 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 2600'-5753' feet

Gas: Initial open flow Show Mcf/d Oil: Initial open flow     Bbl/d

Final open flow 239 Mcf/d Oil: Final open flow     Bbl/d

Time of open flow between initial and final tests 36 hours

Static rock pressure 600 psig (surface measurement) after 12 hours shut in

(If applicable due to multiple completion--)

Second producing formation     Pay zone depth     feet

Gas: Initial open flow     Mcf/d Oil: Initial open flow     Bbl/d

Final open flow     Mcf/d Oil: Final open flow     Bbl/d

Time of open flow between initial and final tests     hours

Static rock pressure     psig (surface measurement) after     hours shut in

(Continue on reverse side)

WIRT 1026



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

1st Stage (N<sub>2</sub> Frac)= Perforation Interval (4327'-5753') 30 holes

N<sub>2</sub> Pumped = 1,056,000 scf.

N<sub>2</sub> Injection Rate = 60,000 scf/min.

ISIP - 2200#

Partial Ballout, 800 gal HCL @ 15%, Breakdown pressure = 2500#, Max. pressure=3350#

Min. pressure = 2500#.

2nd Stage (N<sub>2</sub> Frac)= Perforation Interval (2600'-4132') 30 holes. N<sub>2</sub> pumped=

980,000 scf, 1100 gal HCL @ 15%. Breakdown Pressure = 2275#, Ma. Max. pressure=

3150#, Min. pressure=2300#. N<sub>2</sub> Injection Rate = 45,000 scf/min. ISIP=2050#,

Partial Ballout.

WELL LOG

| FORMATION        | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS   |
|------------------|-------|--------------|----------|-------------|---|
|                  |       |              |          |             | Including indication of all fresh and salt water, coal, oil and gas |
| Clay             |       |              | 0        | 5           |   |
| Sand             |       |              | 5        | 12          |   |
| Red Rock         |       |              | 12       | 17          |   |
| Shale            |       |              | 17       | 25          |   |
| Sand             |       |              | 25       | 32          |   |
| Sandy Shale      |       |              | 32       | 65          |   |
| Sand             |       |              | 65       | 77          |   |
| Red Rock         |       |              | 77       | 85          |   |
| Sandy Shale      |       |              | 85       | 98          |   |
| Sand             |       |              | 98       | 275         | H <sub>2</sub> O @ 220'   |
| Shale            |       |              | 275      | 280         |   |
| Sandy Shale      |       |              | 280      | 330         |   |
| Red Rock & Shale |       |              | 330      | 361         |   |
| Sandy Shale      |       |              | 361      | 400         | Electric Logs   |
| Red Rock & Shale |       |              | 400      | 670         |   |
| Sandy Shale      |       |              | 670      | 760         | K.B.1111'   |
| Shale & Red Rock |       |              | 760      | 1379        | Elev.1099'  |
| Dark shale       |       |              | 1379     | 1405        | Gbr.Lime 1863'-2090'  |
| Sandy Shale      |       |              | 1405     | 1436        | Injun Sand 2090'-2152'  |
| Sand             |       |              | 1436     | 1485        | Weir Shale 2152'-2488'  |
| Shale            |       |              | 1485     | 1570        | Sunbury Shale 2488'-2545'   |
| Red Rock         |       |              | 1570     | 1651        | Dev.Shale 2545'-5910'   |
| Shale            |       |              | 1651     | 1713        |   |
| Sand & Shale     |       |              | 1713     | 1870        |   |
| Sandy Lime       |       |              | 1870     | 1880        |   |
| Sand             |       |              | 1880     | 1940        |   |
| Sand & Shale     |       |              | 1940     | 1975        |   |
| Big Lime         |       |              | 1975     | 2090        |   |
| Injun Sand       |       |              | 2090     | 2120        |   |
| Sandy Shale      |       |              | 2120     | 2267        |   |
| Shale            |       |              | 2267     | 2695        |   |
| Sandy Shale      |       |              | 2695     | 2705        |   |
| Sand             |       |              | 2705     | 2978        |   |
| Shale            |       |              | 2978     | 5910 T.D.   |   |

(Attach separate sheets as necessary)

Bow Valley Petroleum, Inc.

Well Operator

By: Marvin Comb 01/12/2024

Date: 12/19/83

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."

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

RECEIVED

JAN 4 - 1983

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 105-1026

Oil or Gas Well  
(KIND)

Company Bow Valley  
 Address \_\_\_\_\_  
 Farm Roberts  
 Well No. W1 022  
 District Burnington Spring County Wirt  
 Drilling commenced \_\_\_\_\_  
 Drilling completed 12-30-82 Total depth 5610  
 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 S. W. Jack 21

Remarks:  
264' of 11 3/4" 12-19-82 Dowell 140 SAs cement.  
2189' of 8 3/8" 12-22-82 " 170 " "  
T.D. 5910'

12-30-82  
DATE

Wm M. Mel 01/12/2024  
DISTRICT WELL INSPECTOR





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

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

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
December 28, 1983

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

PERMIT NO 105-1026  
FARM & WELL NO Roberts, #WI022  
DIST. & COUNTY Burning Springs/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 Homer H. Dougherty  
DATE 10/19/84

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. H. ...  
Administrator-Oil & Gas Division

January 4, 1985

DATE 01/12/2024

**RECEIVED**

JAN 13 1984

OIL & GAS DIVISION  
DEPT. OF MINES

47-105-1026

103  
Section of NGPA

5910

Bow Valley Petroleum, Inc.  
600 Commerce Square  
Charleston, WV 25301

BURNING SPRINGS  
WIRT WV

ROBERTS WI-022

Columbia Gas Transmission Corp 04030

|                          | (a) Base Price (\$/MMBTU) | (b) Tax | (c) All Other Prices [Indicate (+) or (-)] | (d) Total of (a), (b) and (c) |
|--------------------------|---------------------------|---------|--|-------------------------------|
| 7.0 Contract price:      | 2.841                     | ---     | ---  | ---                           |
| 8.0 Maximum lawful rate: | 2.841                     | ---     | ---  | ---                           |

Robert Hart  
General Mgr. V.P.

Signature: *Robert Hart*  
Date Application is Completed: 1-11-84  
Phone Number: (304) 344-8393

Agency Use Only  
Date Received by Juris. Agency: JAN 13 1984  
Date Received by FERC:

01/12/2024

PARTICIPANTS:

DATE: MAR 9 1984

BUYER-SELLER CODE

WELL OPERATOR: Bow Valley Petroleum,

040189

FIRST PURCHASER: Columbia Gas Trans. Corp.

004030

OTHER: \_\_\_\_\_

W. Va. Department of Mines, Oil & Gas Division  
 WELL DETERMINATION FILE NUMBER  
840113-103-105-1026  
 Use Above File Number on all Communications  
 Relating to Determination of this Well

*Reshiffles*  
*PL*

**APPROVED**

MAR 26 1984

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 \_\_\_\_\_ Items not completed - Line No. \_\_\_\_\_
- 2. IV-1 Agent \_\_\_\_\_
- 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 \_\_\_\_\_ 4000 Map \_\_\_\_\_ Well Tabulations \_\_\_\_\_  
 Gas Analyses \_\_\_\_\_
- (5) Date commenced: \_\_\_\_\_ Date completed \_\_\_\_\_ Deepened \_\_\_\_\_
- (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 Report \_\_\_\_\_
- (5) Oil Production: \_\_\_\_\_ From Completion Report \_\_\_\_\_
- 10-17. Does lease inventory indicate enhanced recovery being done \_\_\_\_\_
- 10-17. Is affidavit signed? \_\_\_\_\_ Notarized? \_\_\_\_\_
- Does official well record with the Department confirm the submitted information? \_\_\_\_\_
- Additional information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_
- Was Determination Objected to \_\_\_\_\_ By Whom? \_\_\_\_\_

01/12/2024

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.) 103 Section of NGPA            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           , 1984, 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

JAN 13 1984

Date received by Jurisdictional Agency           

Director           

By           

Title            01/12/2024

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

Date 1-11-1984  
Operator's Well No. WI-022  
API Well No. 47 - 105 - 1026  
State County Permit

WELL CLASSIFICATION FORM  
NEW ONSHORE PRODUCTION WELL  
NGPA Section 103

WELL OPERATOR Bow Valley Petroleum  
ADDRESS 600 Commerce Square  
Charleston, W. Va. 25301  
GAS PURCHASER Columbia Gas Trans.  
ADDRESS Box 1273  
Charleston, W. Va. 25325

DESIGNATED AGENT Robert Hart  
ADDRESS 600 Commerce Square  
Charleston, W. Va. 25301  
LOCATION: Elevation 1099.11  
Watershed SERGEANTS RUN  
Dist. B. Springs County WIRT Quad. GIRTA  
Gas Purchase Contract No. \_\_\_\_\_  
Meter Chart Code \_\_\_\_\_  
Date of Contract \_\_\_\_\_

\* \* \* \* \*

Date surface drilling was begun: 12/19/82

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

$BHP = P_F + P_F e^{(GL / (53.54 \times T)) - 1}$   
 $P_F = 600 \#$   
 $G = .70$   
 $L = 4200'$   
 $T = 85^\circ$   
**BHP = 679 psi**

AFFIDAVIT

I, MARVIN COMBS, 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 was 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.

Marvin Combs

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 Marvin Combs, whose name is signed to the writing above, bearing date the 11<sup>th</sup> day of January, 1984, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 11<sup>th</sup> day of January, 1984.

My term of office expires on the 15<sup>th</sup> day of July, 1988.

[NOTARIAL SEAL]

Helen Mae Snodgrass  
Notary Public

01/12/2024



47-105-1026

107  
Section of NGPA

Category Code  
JAN 13 1984

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

3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)  
5910

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  
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.)  
BURNING SPRINGS  
Field Name  
WIRT WV  
County State

(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.)  
ROBERTS WI-022

(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 Corp 04030  
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) |
|---|---------------------------|---------|---|-------------------------------|
| 7.0 Contract price: (As of filing date. Complete to 3 decimal places.)      | 5.682                     | ---     | ---   | ---                           |
| 8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.) | 5.682                     | ---     | ---   | ---                           |

9.0 Person responsible for this application:

|   |   |
|---|---|
| Agency Use Only<br>Date Received by Juris. Agency<br>JAN 13 1984<br>Date Received by FERC | Robert Hart<br>Name<br>Robert Hart<br>Signature<br>1-11-84<br>Date Application is Completed<br>General Mgr. V.P.<br>Title<br>(304) 344-8393<br>Phone Number |
|---|---|

01/12/2024

PARTICIPANTS:

DATE: MAR 9 1984

BUYER-SELLER CODE

WELL OPERATOR: Bow Valley Petroleum

046189

FIRST PURCHASER: Columbia Gas Trans. Corp.

004030

OTHER: \_\_\_\_\_

Dev.

W. Va. Department of Mines, Oil & Gas Division  
 WELL DETERMINATION FILE NUMBER  
840113-102-105-1026  
 Use Above File Number on all Communications  
 Relating to Determination of this Well

**APPROVED**

MAR 21 1984

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 \_\_\_\_\_ Items not completed - Line No. \_\_\_\_\_
- 2. IV-1 Agent \_\_\_\_\_
- 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: \_\_\_\_\_ Date completed \_\_\_\_\_ Deepened \_\_\_\_\_
- (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 Report \_\_\_\_\_
- (5) Oil Production: \_\_\_\_\_ From Completion Report \_\_\_\_\_
- 10-17. Does lease inventory indicate enhanced recovery being done \_\_\_\_\_
- 10-17. Is affidavit signed? \_\_\_\_\_ Notarized? \_\_\_\_\_
- Does official well record with the Department confirm the submitted information? \_\_\_\_\_
- Additional information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_
- Was Determination Objected to \_\_\_\_\_ By Whom? \_\_\_\_\_

01/12/2024

Date 1-11- 1984  
Operator's Well No. WI-022  
API Well No. 47 - 105 - 1026  
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) 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 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 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

JAN 13 1984

Date received by Jurisdictional Agency

By [Signature]  
Title \_\_\_\_\_ 01/12/2024

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

Operator: Bow Valley Petroleum Agent: MARVIN COMBS  
 Type Determination being sought - 107 (Devonian Shale)  
 API Well No.: 47-105-1026 Well Name: ROBERTS (WI-022)  
 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 = 140 \* API Units
2. Remarks:

0-200 API SCALE

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

1. GR Value = 140 \* API Units
2. Calculation:  $0.7 \text{ (GR Value at Base Line)}$   
 $0.7 \text{ (140 *)} = \underline{98}$  API Units

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

| Interval     |              | Thickness<br>of Interval<br>Feet | Feet of less than*<br>0.7 (Shale Base Line)<br>Feet |
|--------------|--------------|----------------------------------|---|
| From**       | To***        |                                  |   |
| <u>2546'</u> | <u>5846'</u> | <u>3300'</u>                     | <u>37'</u>  |

Total Devonian Interval 3300'

Total Less Than 0.7 (Shale Base) 37'

% Less Than 0.7 (Shale Base Line) =  $\underline{.0112} \times 100 = \underline{1.12\%}$

\*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

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

Date 1-11- 84  
Operator's Well No. WI-022  
API Well No. 105 1026  
State West Virginia

WELL CLASSIFICATION FORM  
HIGH COST GAS WELL - DEVONIAN SHALE

WPGA Section 197

WELL OPERATOR Bow Valley Petroleum Inc.  
ADDRESS 600 Commerce Sq.  
Charleston, WV 25301  
GAS PURCHASER Columbia Gas Transmission  
ADDRESS Box 1273  
Charleston, WV 25325

DESIGNATED AGENT Robert N. Hart  
ADDRESS 600 Commerce Sq.  
Charleston, WV 25301  
LOCATION Elevation 1099.11  
Watershed SERGEANTS RUN  
Dist. B.Sp. County WIRT Quad G1E1A  
Gas Purchase Contract No. \_\_\_\_\_  
Meter Chart Code \_\_\_\_\_  
Date of Contract \_\_\_\_\_

Date surface drilling began: 12/19/82

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

BHP =  $P_F + P_F e^{(GL/53.54XT) - 1}$   
679 psi Bottom Hole Pressure  
 $P_F = 600^*$   $L = 4200'$   
 $G = .70$   $T = 85^{\circ}$

BHP - Bottom Hole Pressure  
P<sub>F</sub> - Pressure Formation  
e = constant = 2  
G - Specific gravity  
L - Length of pipe to middle of producing formation  
T - Temp rankin  $\frac{BHP + Temp @ head}{2}$

AFFIDAVIT

I, MARVIN COMBS, 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 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.

Marvin Combs

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 Marvin Combs, whose name is signed to the writing above, bearing date the 11<sup>th</sup> day of January, 1984, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 11<sup>th</sup> day of January, 1984  
My term of office expires on the 25<sup>th</sup> day of July, 1988

Helen Mae Snodgrass  
Notary Public

(NOTARIAL SEAL)

01/12/2024

E-3  
IV-27  
11/23/81



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Date: August 29, 1983  
Well No: ROBERTS 41022  
API NO: 47 - 105 1026  
State County Permit

Oil and Gas Division  
NOTICE OF VIOLATION

WELL TYPE: Oil \_\_\_ / Gas \_\_\_ Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
Of "Gas" - Production \_\_\_ / Storage \_\_\_ / Deep \_\_\_ / Shallow \_\_\_ /  
LOCATION: Elevation: 1099 Watershed: Sargent's Run  
District: Burns Sp. County: Wirt Quadrangle: \_\_\_\_\_  
WELL OPERATOR Bow Valley DESIGNATED AGENT W. E. Stoner  
Address \_\_\_\_\_ Address Box 235  
Culloden WV

The above well is being posted this 29 day of Aug, 19 83, for a violation of Code 22-4-128 and/or Regulation \_\_\_\_\_, set forth in detail as follows:  
(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)

*Location has not been mulched or seeded - erosion has started.*

RECEIVED  
SEP 1 - 1983

OIL & GAS DIVISION  
DEPT. OF MINES

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

You are hereby granted until Sept 5, 19 83 to abate this violation.

Failure to abate the violation may result in action by the Department under Code 22-4-17 or Code 22-4-18.

Don Mucco  
Oil and Gas Inspector  
Address AT 1 BOX 5  
Sand Ridge WV 25274  
Telephone: 655 - 0112/2024

Date Sept 9, 1983

Operator's Well No. Roberts wi 022

API Well No. 47 - 103 - 1026  
State County Permit

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

NOTICE OF ABATEMENT

WELL TYPE: Oil \_\_\_\_\_ / Gas \_\_\_\_\_ / Liquid Injection \_\_\_\_\_ / Waste Disposal \_\_\_\_\_ /  
Underground  
If "Gas" - Production \_\_\_\_\_ / Storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow \_\_\_\_\_

LOCATION: Elevation: \_\_\_\_\_ Watershed: \_\_\_\_\_

District: Burnig Sp County: W. Va Quadrangle: \_\_\_\_\_

WELL OPERATOR Bow Valley DESIGNATED AGENT W. E. Stover

Address \_\_\_\_\_ Address Box 235  
Culloden Wv

Notice is hereby given that the undersigned authorized oil and gas inspector made a special inspection of the above named well on Sept 9, 1983.

Upon the expiration of a period of time originally fixed for abatement.

\_\_\_\_ Upon the order of the Deputy Director for Oil and Gas at the request of the well operator.

\_\_\_\_ Upon the request of the Deputy Director for Oil and Gas.

The violation of Code 22-4-12B, heretofore found to exist on Aug 29 1983, by Form IV-27, "Notice of Violation"  /, Form IV-28, "Imminent Danger Order" \_\_\_\_\_ / of that date has been totally abated. If the abated violation was found by an Imminent Danger Order requiring operations to cease, such requirement is hereby rescinded, and the well operator is hereby notified that he may resume operations.

COMMENTS: (USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)

RECEIVED  
SEP 14 1983

OIL & GAS DIVISION  
DEPT. OF MINES

A copy of this NOTICE has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

Was Mac 01/12/2024  
Oil and Gas Inspector

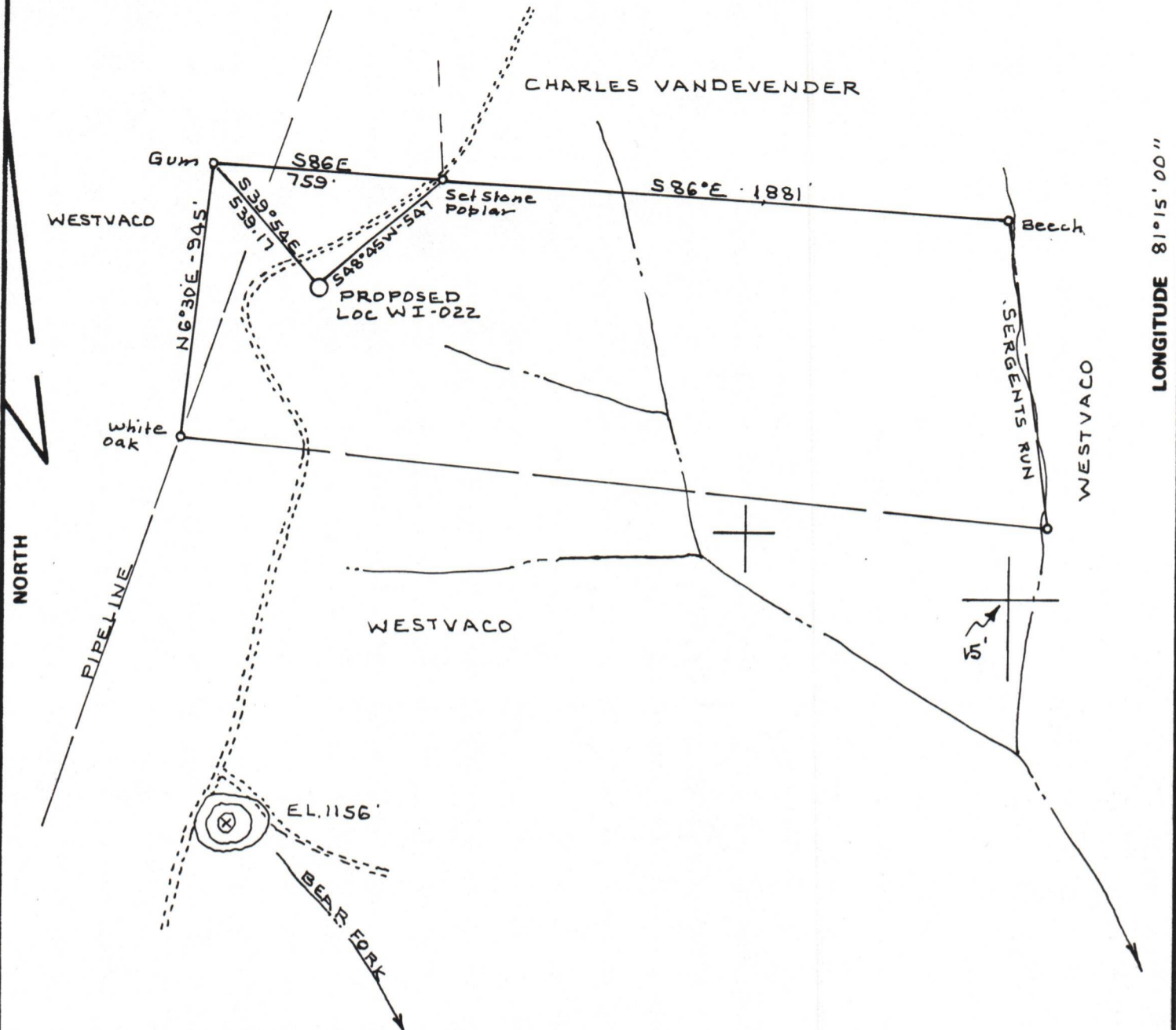
Address \_\_\_\_\_

Telephone \_\_\_\_\_

M.A. 11/30/82

5800'

LATITUDE 39°02'30"  
39°05'



LONGITUDE 81°00'51.18"

8000'

FILE NO. BK 73 PG 98  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1-200'  
 PROVEN SOURCE OF ELEVATION USGS TOP knob 1800' South Loc EL 1156'

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. Volney Jr.  
 R.P.E. \_\_\_\_\_ U.S. 92

PLACE SEAL HERE

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



DATE NOV 27, 1982  
 OPERATOR'S WELL NO. WI-022  
 API WELL NO. \_\_\_\_\_  
47 - 105 - 1026  
 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 1099.11 WATER SHED SERGENTS RUN  
 DISTRICT BURNING SPRINGS COUNTY WIRT  
 QUADRANGLE GIRTA 7.5'  
 SURFACE OWNER WESTVACO ACREAGE 63.31  
 OIL & GAS ROYALTY OWNER GLEN W. ROBERTS ESTATE LEASE ACREAGE 165  
 LEASE NO. 1854  
 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 5400'  
 WELL OPERATOR BOW VALLEY PETRO. DESIGNATED AGENT W.E. STOVER  
 ADDRESS 600 COMMERCE SQUARE ADDRESS BOX 235  
CHARLESTON, WVA 25301 CULLODEN, WVA, 25510

01/12/2024

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