



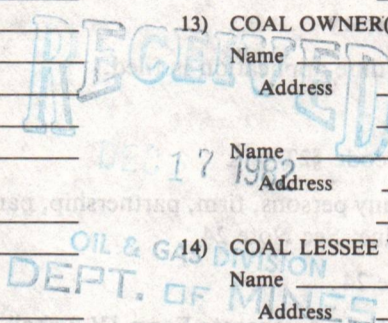
1) Date: December 16, 1982
 2) Operator's Well No. WI-031
 3) API Well No. 47 085 6101
 State County Permit

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: 659.26 Watershed: Buffalo Run
 District: Grant County: Ritchie Quadrangle: Petroleum
- 6) WELL OPERATOR Bow Valley Petroleum Inc. 11) DESIGNATED AGENT W.E. Stover
 Address 600 Commerce Square Address Box 235
Charleston, WV 25301 Culloden, WV.
- 7) OIL & GAS ROYALTY OWNER Glen W. Roberts Estate 12) COAL OPERATOR N/A
 Address Elizabeth, WV. Address
- 8) SURFACE OWNER A.L. McCoy 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address 2546 17th ave. Name
Parkersburg, WV. Address
 Acreage 21 Name
 9) FIELD SALE (IF MADE) TO: Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED Name Deo Mace
 Address Rt. Box 5
Sand Ridge, WV. Address
- 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, 85 feet; salt, feet.
- 19) Approximate coal seam depths: N/A Is coal being mined in the area? Yes / No 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 | | Top | Bottom |
| Conductor | 13 | | | X | | 30 | 30 | to surface | Kinds | |
| Fresh water | 9 5/8 | | | X | | 250 | 250 | to surface | Sizes | |
| Coal | | | | | | | | | Depths set | |
| Intermediate | 7 | | 23 | X | | 1600 | 1600 | 125 sks | | |
| Production | 4 1/2 | | 10.5 | X | | 5150 | 5150 | 275 sks | | |
| Tubing | | | | | | | | | | |
| Liners | | | | | | | | | | |

- 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 B. Roberts
 Its: Geologist

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-085-6101 Date December 21 08/18/2023

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 August 21, 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 | Fee <u>438</u> |
|----------------------|------------------|---------------------|--------|----------------|

Jeff B. Campbell
 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

08/18/2023

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.

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.) Gillispie Tract is located in Grant District of Ritchie County, West Virginia, containing 27 acres more or less and bounded on the

North by Simon Tennett
East by Beckner
South by Beckner
West by Hammon

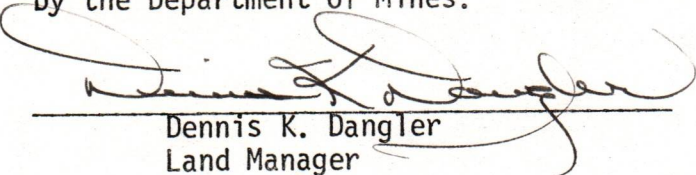
- 2.) Lessor - Glen W. Roberts (deceased)
Dorothy Parks Roberts (his wife)

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

- 3.) Oil and Gas Lease is recorded in Ritchie County Records office in Book 125 at Page 27.

- 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

RECEIVED
DEC 17 1982
OIL & GAS DIVISION
DEPT. OF MINES
08/18/2023



IV-9
(Rev 8-81)

DATE December 14, 1982

WELL NO. # W1031

State of West Virginia API NO. 47 - 085 - 6101

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Bow Valley Petroleum, Inc. DESIGNATED AGENT W.E. Stover

Address 600 Commerce Square Address Box 235
Charleston, WV Culloden, WV

Telephone 304-344-8393 Telephone 304-562-3376

LANDOWNER A.L. McCoy 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: 12-14-82

(Date)
Janett Newton
(SCD Agent)

ACCESS ROAD

LOCATION

Structure CULVERT (36") (A)

Structure MINIMUM GRADING NEEDED (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 _____

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 2 Tons/acre

Mulch _____ Tons/acre

Seed* Kentucky 31 Fescue 45 lbs/acre

Seed* _____ lbs/acre

LADINO CLOVER 5 lbs/acre

_____ lbs/acre

Rye 5 lbs/acre

_____ lbs/acre

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

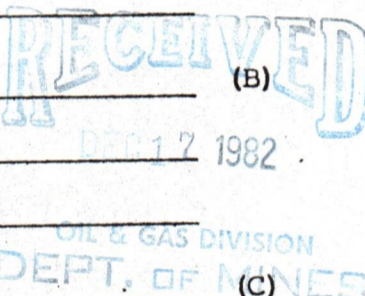
PLAN PREPARED BY William F. Henrichs, III

ADDRESS 600 Commerce Square

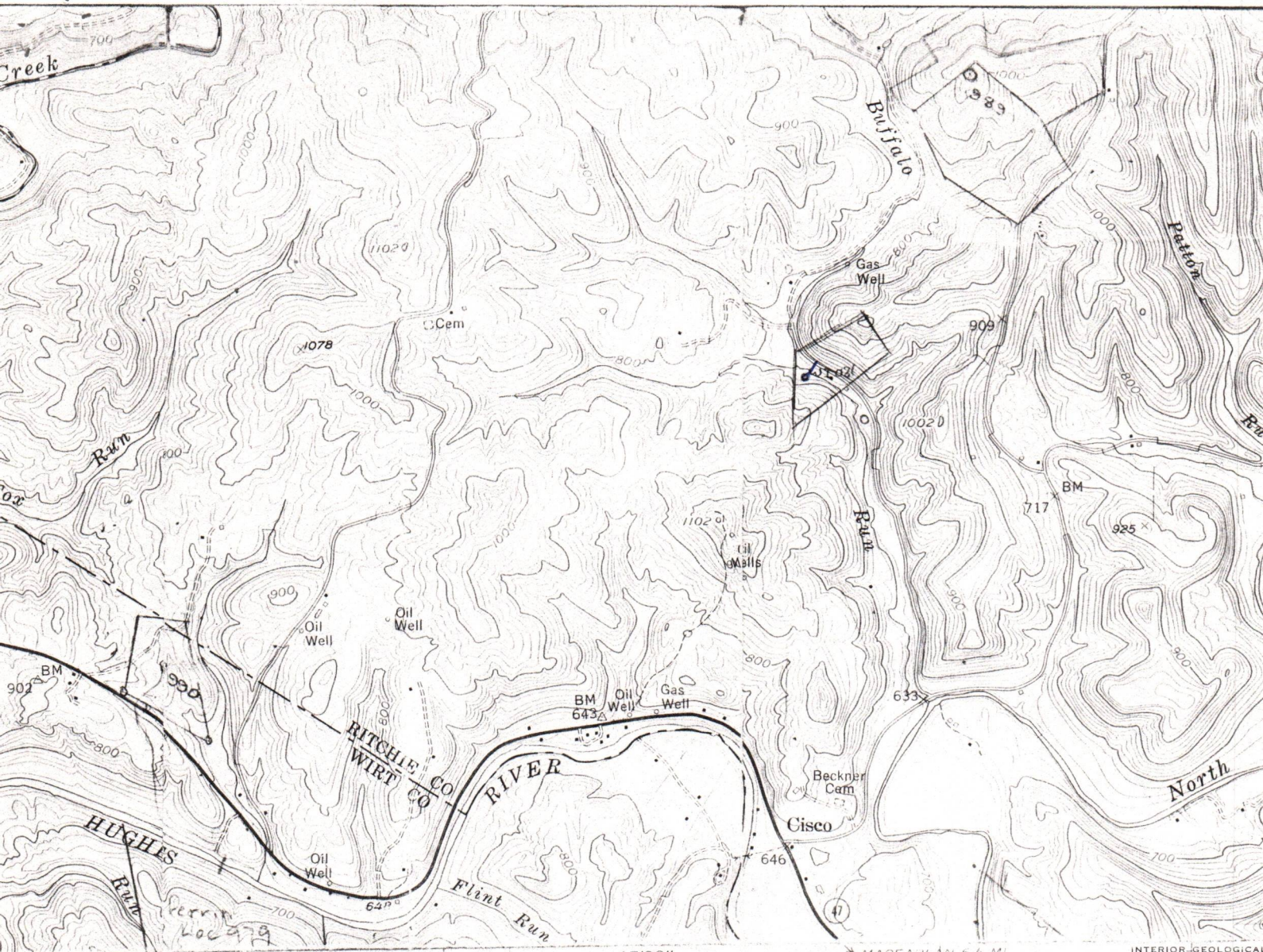
Charleston, WV

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.



08/18/2023



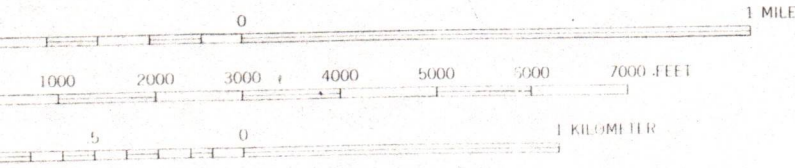
(GIRTA)

17/30"

MACFARLAN 6.4 MI
13 MI TO W. VA. 10

INTERIOR GEOLOGICAL SURVEY

SCALE 1:24000



CONTOUR INTERVAL 20 FEET
DATUM 1 MEAN SEA LEVEL

ROAD

Heavy-duty

Unimproved

U. S. Road



QUADRANGLE LOCATION

MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.
OBTAINING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

RECEIVED
DEC 17 1982

OIL & GAS DIVISION
DEPT. OF MINES

08/18/2023

RECEIVED

FEB 19 1985

OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA

OFFICE OF OIL AND GAS

NOTICE OF EXPIRED PERMIT

Permit number: 47- 85-6101 County: RITCHIE
Company: BOW VALLEY/RAY RES Farm: A L MCCOY WI-031
Date: 27-Nov-84 Well no.:
Date issued: 12/21/82 Date expired: / / 0

I have inspected the above wellsite and found no well work done. Please
cancel this well work permit.

Signed:  _____
 GLEN P. ROBINSON

Date: 11 FEBRUARY 1985 _____



State of West Virginia

BARTON B. LAY, JR.
DIRECTOR

Department of Mines
Oil and Gas Division
Charleston 25305

THEODORE M. STREIT
ADMINISTRATOR

February 20, 1985

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

In Re: Permit No: 47-085-6101
Farm: A. L. McCoy
Well No: W1-031
District: Grant
County: Ritchie
Issued: 12-21-82

Gentlemen:

The FINAL INSPECTION REPORT for the above captioned well has been received in this office. Only the column checked below applies:

XXXXX The well designated by the above captioned permit number has been released under your Blanket Bond. (PERMIT CANCELLED - NEVER DRILLED)

Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

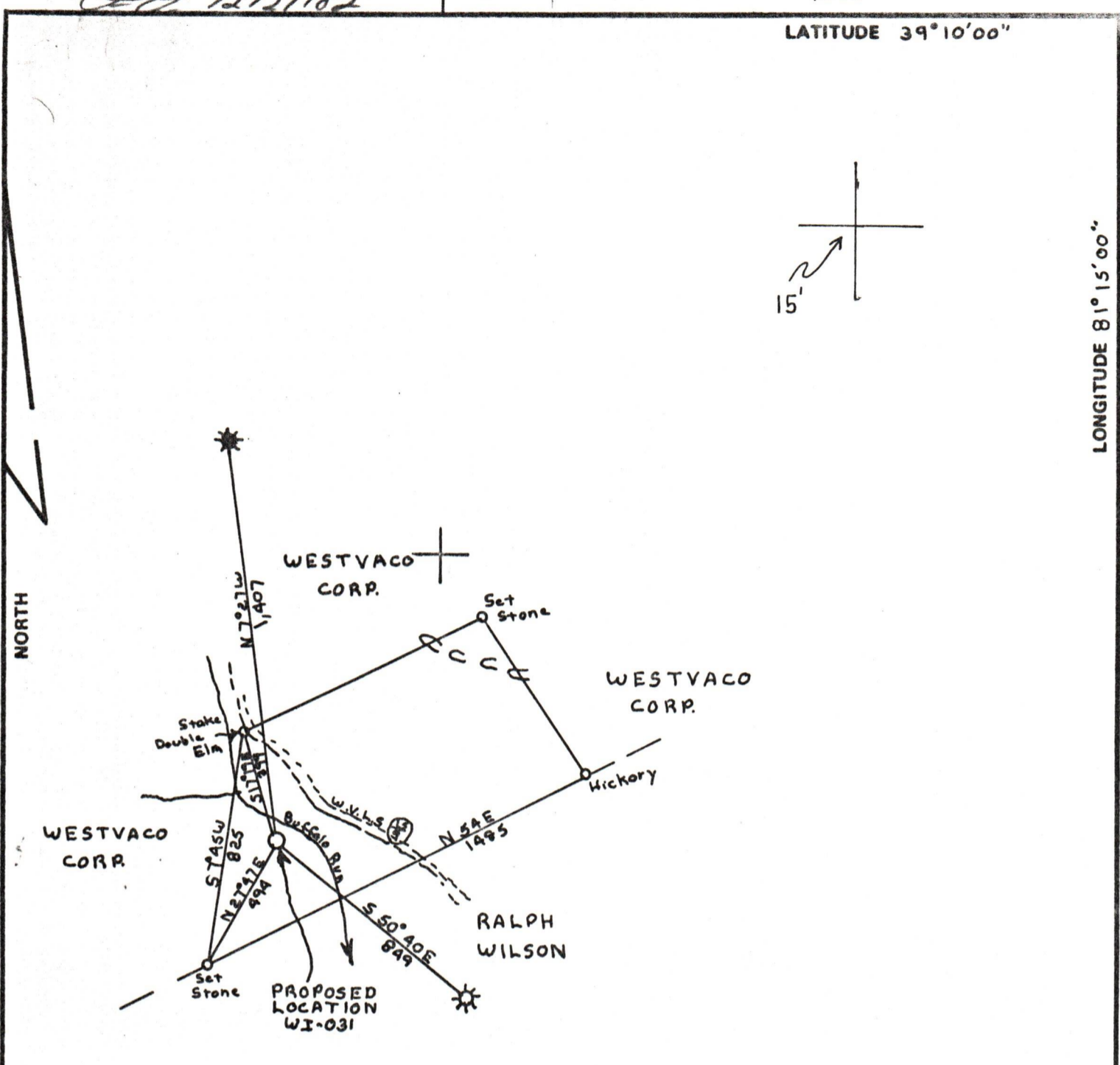
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above captioned well will remain under bond coverage for life of the well.

Very truly yours,

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

TMS/nw

08/18/2023



FILE NO. OK 74 P 33
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1" = 200'
 PROVEN SOURCE OF ELEVATION Road Fork 4550
South of loc. EL 633

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. U.S. 92

PLACE SEAL HERE

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



DATE Dec 10, 1982
 OPERATOR'S WELL NO. W 2-031
 API WELL NO. 47 - 085 - 6101
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

Cancelled

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 659.26 WATER SHED Buffalo Run
 DISTRICT Grant COUNTY Ritchie
 QUADRANGLE Petroleum
 SURFACE OWNER A. L. McCoy ACREAGE 21
 OIL & GAS ROYALTY OWNER Glen W. Roberts, Estate LEASE ACREAGE 27
 LEASE NO. 1899
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

08/18/2023

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 5200'
 WELL OPERATOR Baw Valley Petroleum Inc. DESIGNATED AGENT W. E. Stover
 ADDRESS 600 Commerce Square ADDRESS Box 235
Charleston, W. Va. 25301 Culloden W. Va. 25510

P.T. - 6101