



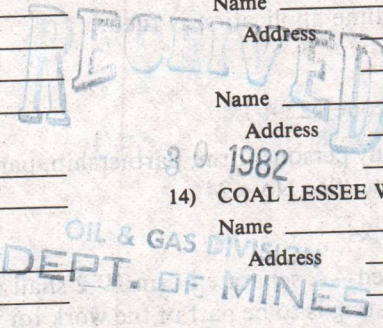
2) Operator's Well No. Carder #1
3) API Well No. 47 085 6135
State County Permit

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
B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 864' Watershed: Long Run
District: Grant County: Ritchie Quadrangle: Cairo
- 6) WELL OPERATOR Grant Grim Drilling Co. 11) DESIGNATED AGENT Durl Fluharty
Address Box 394 Address 425 S. Spring St.
Tionesta, Pa. 16353 Harrisville, W.V.
- 7) OIL & GAS ROYALTY OWNER Carl R. and Rebecca L. Carder 12) COAL OPERATOR _____
Address Route 1 Address _____
Cairo, W.V. 26337
- 8) SURFACE OWNER Same as Above 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
- 9) FIELD SALE (IF MADE) TO: Name _____
Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED Name _____
Name Samuel N. Hersman Address _____
Address P.O. Box 66
Smithville, W.V. 26178
- 15) PROPOSED WORK: Drill / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____
Plug off old formation _____ / Perforate new formation _____
Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Marcellus
- 17) Estimated depth of completed well, 5990' feet
- 18) Approximate water strata depths: Fresh, 840' feet; salt, 670' feet.
- 19) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No



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	11 3/4					60'			Kinds
Fresh water									Sizes
Coal									Depths set
Intermediate	8 5/8						250' Cemented to surface		
Production	4 1/2						5990'	550 SKS reg. by Rule 15.01	
Tubing	2 3/8	Upset				5990'			Perforations:
Liners									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: Bruce E. Dook
My Commission Expires June 3, 1991

Signed: Grant Grim
Its: President, Grant Grim Drilling Co.

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-085-6135 Date December 30 19 82

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 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>M.A.</u>	Casing: <u>M.A.</u>	Fee: <u>140</u>
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Fred B. Smith
Administrator, Office of Oil and Gas

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

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less 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.

DRILLING WAIVER

03/29/2024

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: [Signature]


Its: _____

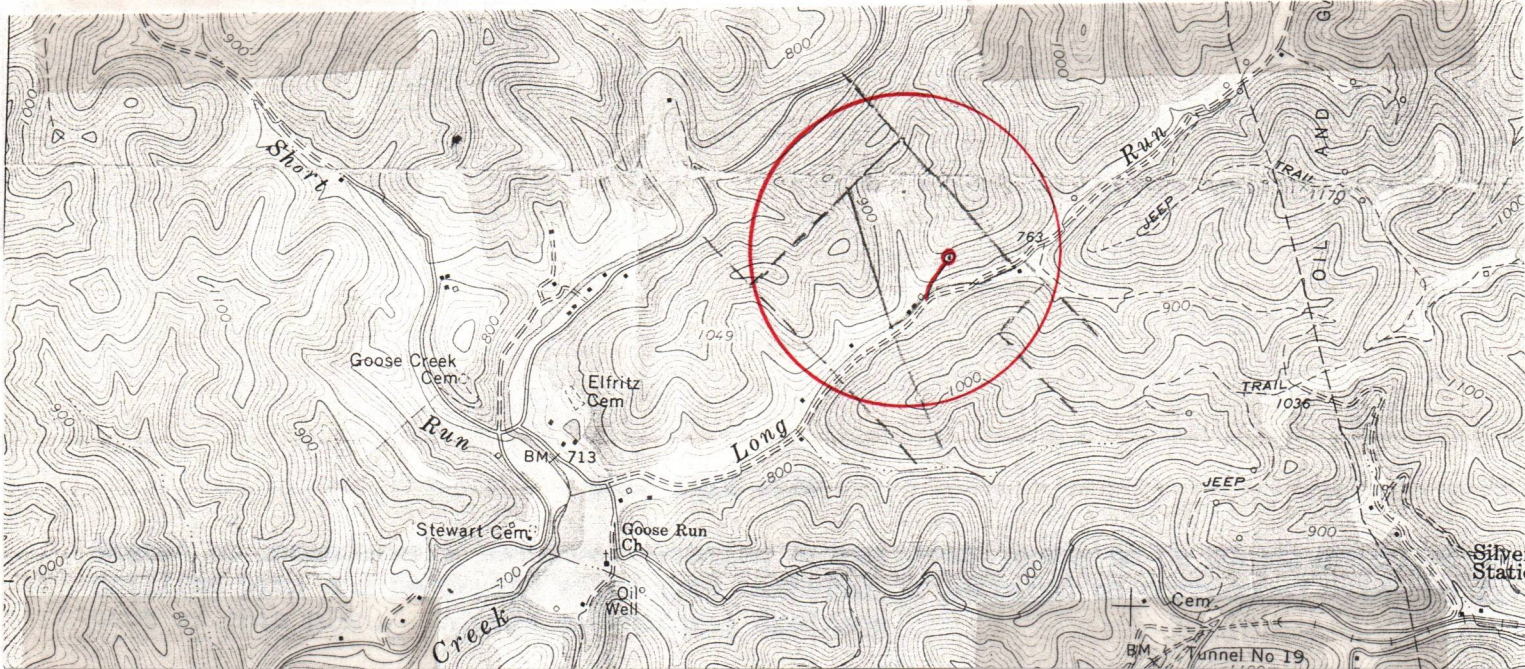
ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.

QUADRANGLE Cairo (7.5')



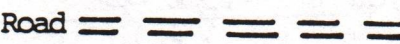






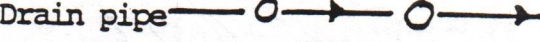
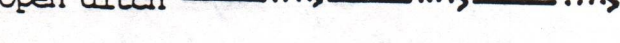
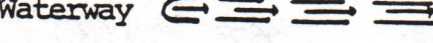
LEGEND

Well Site 

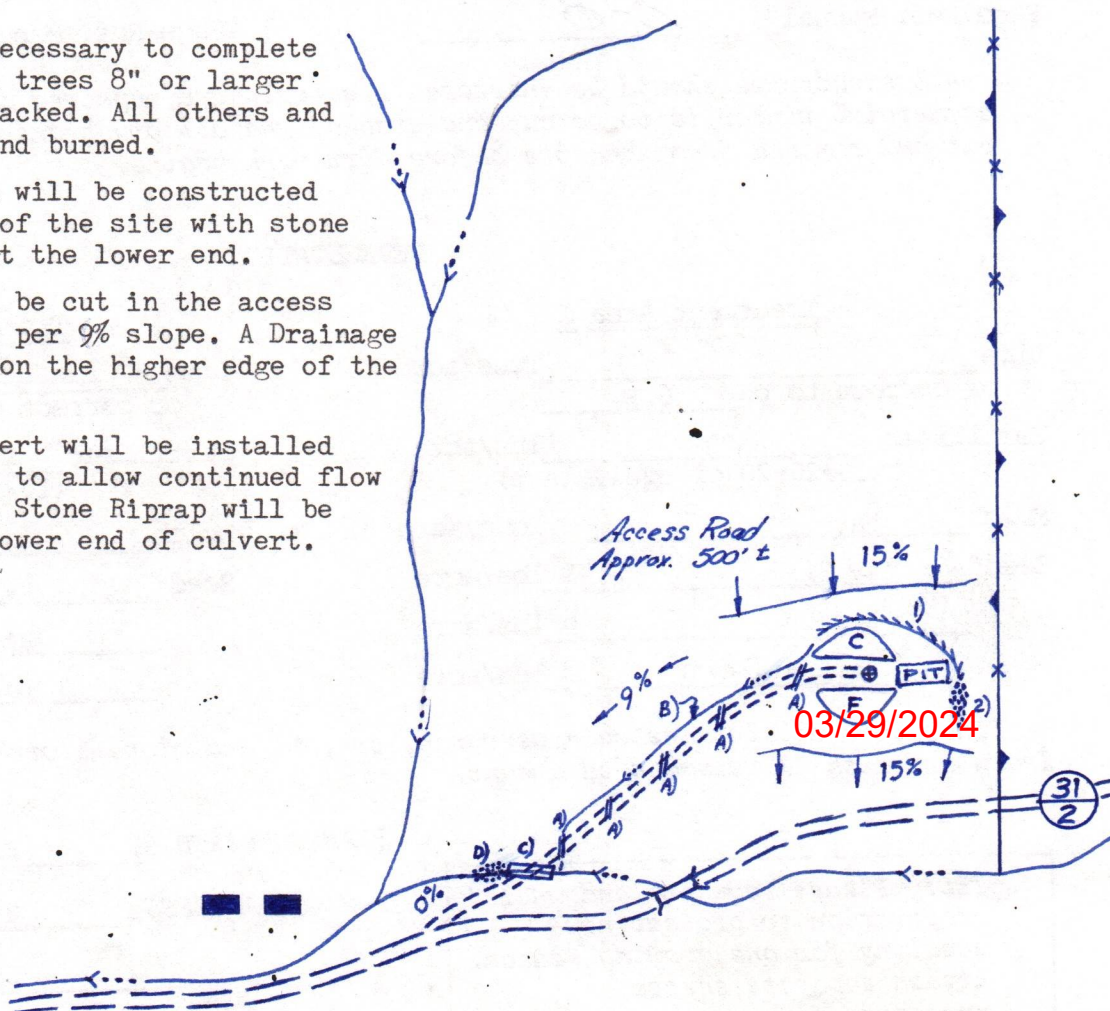
Access Road 



LEGEND

Property boundary 	Diversion 
Road 	Spring 
Existing fence 	Wet spot 
Planned fence 	Building 
Stream 	Drain pipe 
Open ditch 	Waterway 

- 1) Grading will be necessary to complete the well site. All trees 8" or larger will be cut and stacked. All others and brush will be cut and burned.
- 2) A Diversion ditch will be constructed on the North side of the site with stone Riprap scattered at the lower end.
- 3) Cross drains will be cut in the access road every 80 feet per 9% slope. A Drainage ditch will be cut on the higher edge of the road.
- 4) A 48" C.M.P. culvert will be installed across access road to allow continued flow of Long Run creek. Stone Riprap will be scattered at the lower end of culvert.





V-9
Rev 8-81)

DATE December 23, 1982

WELL NO. CARDER # 1

State of West Virginia

API NO. 47 - 085 - 6135

Department of Mines

Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Grant Grim Drilling Co.
Address Box 394 Tionesta, Pa. 16353
Telephone _____

DESIGNATED AGENT DURL FLUHARTY
Address 425 S. Spring St. HARRISVILLE W. VA.
Telephone _____

LANDOWNER Carl R. + Rebecca L. Carder

SOIL CONS. DISTRICT Little Kanawha

Revegetation to be carried out by Grant Grim Drilling Company (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 12/29/82 (Date)

Janett Newlon (B.W.)
(SCD Agent)

ACCESS ROAD
Structure <u>Cross Drain</u>
Spacing <u>80' Per 9% Slope</u>
Page Ref. Manual <u>2-4</u>
Structure <u>Drainage Ditch</u>
Spacing <u>(SEE SKETCH)</u>
Page Ref. Manual <u>2-15</u>
Structure <u>Culvert</u>
Spacing <u>48" C.M.P.</u>
Page Ref. Manual <u>2-8</u>

LOCATION
(A) Structure <u>Diversion Ditch</u> (1)
Material <u>Soil</u>
Page Ref. Manual <u>2-12</u>
(B) Structure <u>Riprap</u> (2)
Material <u>Stone</u>
Page Ref. Manual <u>2-9</u>
(C) ACCESS ROAD Structure <u>Riprap</u> (D)
Material <u>Stone</u>
Page Ref. Manual <u>2-9</u>

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

Lime _____ Tons/acre
or correct to pH 6.5

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Mulch Hay 2 Tons/acre

Seed* Ky 31 40 lbs/acre
Redtop 6 lbs/acre
Ladino Clover 3 lbs/acre

Treatment Area II

Lime _____ Tons/acre
or correct to pH 6.5

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Mulch Hay 2 Tons/acre

Seed* Ky 31 40 lbs/acre
Redtop 6 lbs/acre
Ladino Clover 3 lbs/acre

03/29/2024

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

PLAN PREPARED BY Bruce E. Doak
ADDRESS 293 Ash Circle
Davisville, W.V. 26142
PHONE NO. (304) 485-4633

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

RECEIVED

30 1982

STATE OF WEST VIRGINIA
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OIL & GAS DIVISION
DEPT. OF MINES

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

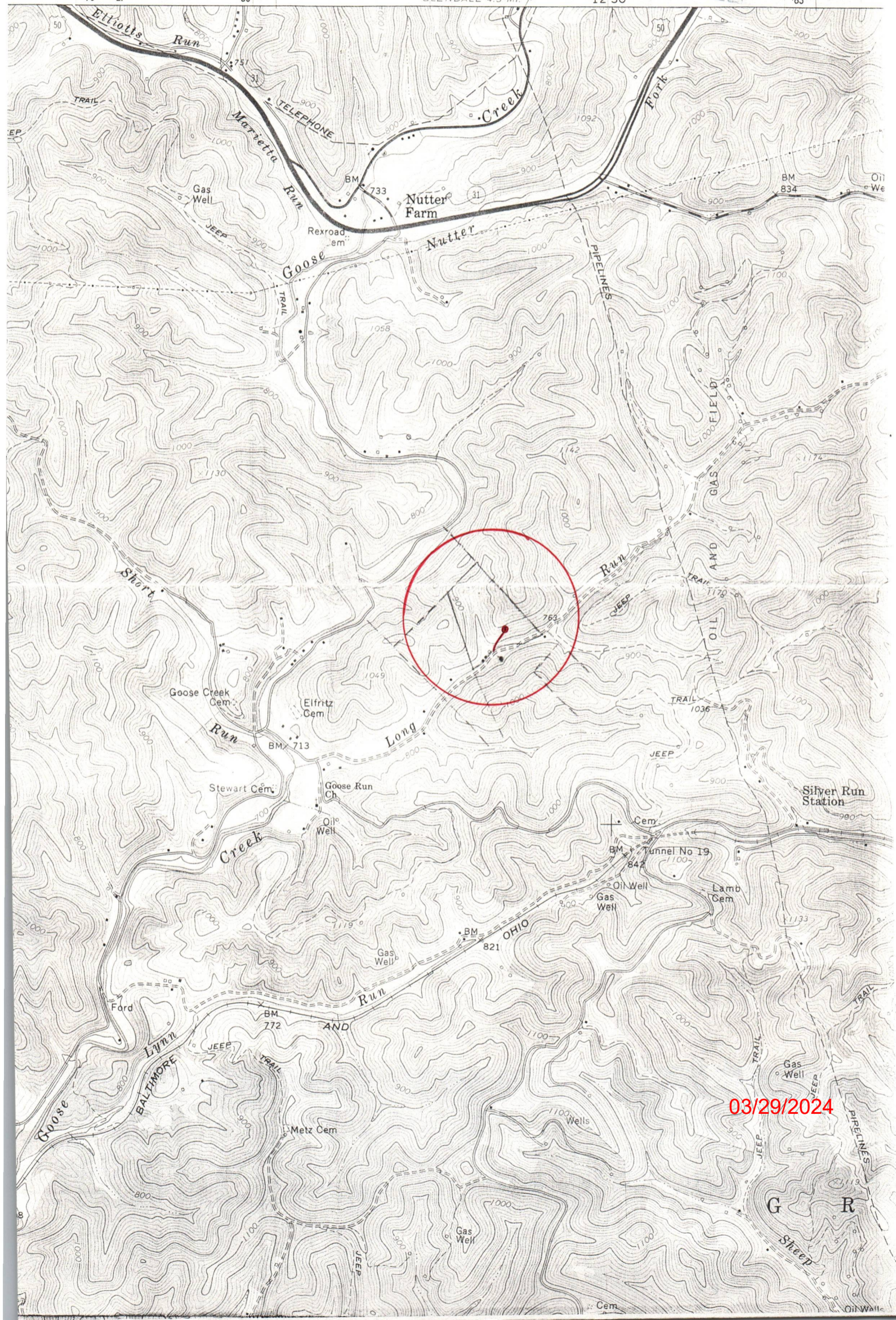
479000m.E.

480

ELLENBORO 12 MI.
GLENDALE 4.3 MI.

12'30"

483



03/29/2024

Date: December 23, 1982

Operator's Well No. Order #1
APINO. 47-082

Division of Oil and Gas Royalty

Carl and Rebecca Gardner
Route 1 Cairo, W.V. 26337
1/8 of 8/8

Domestic Oil and Gas Co.
1/32 of 7/8

Grant Grim Drilling Co.
Box 394 Tionesta, Pa. 16353
31/32 of 7/8

DEC 23 1982

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03/29/2024



DATE: December 23, 1982

OPERATOR'S

WELL NO.: Carder #1

API NO: 47 085 -

State County Permit

State of West Virginia

OFFICE OF OIL AND GAS
DEPARTMENT OF MINES

A F F I D A V I T

State of West Virginia

County of Ritchie

I, Grant Grim (the designated owner or operator, or authorized representative thereof), after being duly sworn, do depose and say that the undersigned is authorized by the owner of the working interest in the well permit application to which this affidavit is attached do state that he, she, or it shall tender to the owner of the oil and gas in place not less than one-eighth of the total amount paid to or received by or allowed to the owner of the working interest at the wellhead for the oil or gas so extracted, produced, or marketed before deducting the amount to be paid or set aside for the owner of the oil or gas in place, or all such oil or gas to be extracted, produced, or marketed from the well. West Virginia Code 22-4-11(c) (1982).

Signed: X Grant B. Grim

Taken, Subscribed, and sworn to before me this 23 day of December, 19 82.

Notary: Bruce E. Doak
Bruce E. Doak

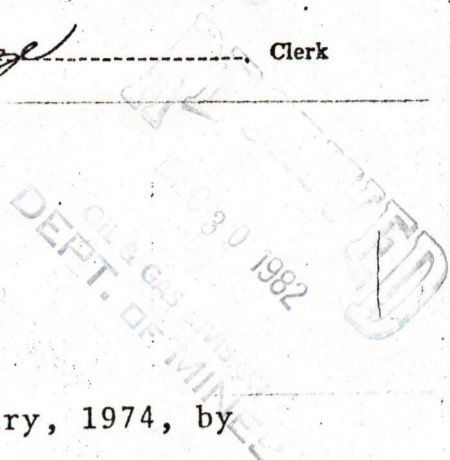
My Commission Expires: June 3, 1991

RECEIVED
DEC 30 1982
OIL & GAS DIVISION
DEPT. OF MINES

Ritchie County Court Clerk's Office, February 5th, 1974

The foregoing writing, with the certificate of acknowledgment thereto, was this day admitted to record in said office.

Teste: Linda B. Mays Clerk



BESSIE CANTWELL, ET UX
TO DEED
CARL R. CARDER, ET UX

THIS DEED, made this 30th day of January, 1974, by and between BESSIE CANTWELL and OWEN CANTWELL, her husband, parties of the first part, and CARL R. CARDER and REBECCA L. CARDER, husband and wife, parties of the second part.

WITNESSETH: That for and in consideration of the sum of Four Thousand Five Hundred Dollars (\$4,500.00), cash in hand paid by the parties of the second part to the parties of the first part, the receipt whereof is hereby acknowledged, the said parties of the first part do hereby grant and convey, with Covenants of GENERAL WARRANTY, unto the said Carl R. Carder and Rebecca L. Carder, husband and wife, as joint tenants with the right of survivorship, and not as tenants in common, all that certain tract or parcel of real estate situate on the waters of Goose Creek and Long Run, Grant District, Ritchie County, West Virginia, bounded and described as follows:

BEGINNING at a stone on Long Run and pointers, thence N. 13 W. 101 poles to pointers; thence N. 47 E. 37 poles to stone and hickory pointers; thence S. 42-1/2 E. 112 poles to a stone in Long Run; thence down Long Run, S. 69 W. 26 poles; S. 36 W. 8 poles; S. 84 W. 8 poles; thence S. 75-1/2 W. 16 poles; thence S. 57 W. 12 poles; thence S. 31 W. 10 poles; thence S. 64-1/2 W. 10 poles to the place of beginning, containing thirty-seven and one-fourth (37-1/4) acres, more or less.

Being the same real estate which was conveyed the said Bessie Cantwell by John Cantwell, widower, by deed dated May 27, 1944, and of record in the office of the Clerk of the County Court of Ritchie County, West Virginia, in Deed Book No. 112, at page 551.

Mailed: Farmers & Merchants Bank, Cairo, W. Va. 2/6/74 26337

03/29/2024

OIL AND GAS LEASE

12312

THIS AGREEMENT, made this 13 day of December, 19 82
by and between: CARL R. CANNER & REBECCA L. CANNER, HUSBAND & WIFE
Rt. 1
Cairo, WV. 26337

hereinafter known as the "LESSOR", whether one or more,
and Grant Grim Drilling Co. hereinafter known as the "LESSEE", whether one or more,
Box 394 Tionesta, Penna, 16353

WITNESSETH:

1. That the LESSOR, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained, does hereby GRANT and LEASE unto the LESSEE all of the oil and gas and all of the constituents of either, in and under the following described land, together with the exclusive right to operate, drill for, produce, and market oil and gas and their constituents, and also the right to enter thereon for the purpose of drilling and operating for oil and gas, laying pipelines, erecting tanks, machinery, and the right to do all other things necessary and proper for the drilling, production, and marketing of oil and gas and their constituents from the property which is more particularly described below:

Situated in Section _____, Grant District, County of Pitcbie, State of WV.
and more particularly described at Volume 174, Page 812, of the Deed Records of _____ County,
_____ which description is hereby referred to and incorporated herein by reference; which property is bounded

substantially as follows:
NORTH by lands of _____
EAST by lands of _____
SOUTH by lands of _____
WEST by lands of _____
(Being The Same 37.25 acres of land designated as Parcel 07 on Sheet 28 on Pitcbie County Assessors Map.)

Containing 37.25 acres, more or less.

2. It is agreed that this lease shall remain in force for a primary term of One (1) year from this date, and as long thereafter as operations for oil or gas, or either of them, are being conducted on the premises, or oil or gas, or either of them, is being produced in paying quantities. It is expressly agreed that if LESSEE shall commence drilling operations at any time while this lease is in force, it shall remain in force and its terms continue so long as such operations are prosecuted, and if production results therefrom then as long as production continues in paying quantities.

If, after expiration of the term of this lease, production from the leased premises in paying quantities shall cease from any cause, this lease shall not terminate provided LESSEE resumes operations for the production of oil or gas within sixty (60) days from such cessation, and this lease shall remain in force during the prosecution of such operations, and, if production results therefrom, as long thereafter as oil or gas or either of them is produced in paying quantities.

3. LESSEE shall commence operations for a well on the leased premises or on acreage pooled therewith as provided herein, on or before January 14, 1984 OR THIS LEASE SHALL EXPIRE AS TO BOTH PARTIES HEREIN, unless LESSEE pays or tenders the sum of \$ paid for each in full months that operations are delayed. Such payment shall be a rental for the privilege of deferring commencement of drilling operations for the above period of time. In like manner, and upon like payments or tenders, the commencement of drilling operations shall be further deferred for successive periods during the primary term of this lease.

4. If a well capable of producing oil or gas or the constituents of either in paying quantities located on the leased premises (or acreage pooled or consolidated with all or a portion of the leased premises into a unit for the drilling or operation of such well) is at any time shut in, suspended or otherwise not produced by the LESSEE due to lack of a market, and no oil or gas or their constituents is sold or utilized off the premises, nevertheless such shut in well shall be deemed to be a well on the leased premises producing in paying quantities and this lease shall remain in force during all of the time while such well is so shut in, whether before or after the expiration of the primary term. LESSEE shall use reasonable diligence to market any production from such well or wells but shall be under no obligation to market such products under terms, conditions or circumstances which in LESSEE's good faith judgment are unsatisfactory.

LESSEE shall be obligated to pay or tender to LESSOR within sixty (60) days after any such well is shut in and each anniversary thereafter, as royalty, an amount equal to \$ 5.00 per acre per year it being the intention of the parties that this lease shall remain in full force and effect for sixty (60) days after shutting in any well without payment.

5. LESSEE agrees to pay to the credit of the LESSOR one-eighth (1/8) of all the oil produced and saved from the leased premises, delivered free of cost to the purchasing agency, and one-eighth (1/8) of the proceeds of all the gas marketed and sold from said premises, payable monthly.

6. LESSOR reserves to himself, free of cost, free gas per annum for domestic use in one single family dwelling located on this property. Such free gas shall be taken through LESSOR's own appliances and LESSOR shall be responsible for using economical appliances. LESSOR further covenants and agrees that his taking and use of such gas shall be wholly at his own risk and LESSOR agrees to indemnify and hold harmless LESSEE for any accident or damage caused thereby to either the parties to this agreement or any third party, and LESSEE shall not be liable for any shortage or failure in the supply of gas for said domestic use.

7. All payments made to LESSOR under the terms of this lease shall be made to the LESSOR, or any one of them, in cash or check in person or by United States mail to the address set forth herein or to the credit of LESSOR, or any one of them, in Farmers & Merchants Bank at Cairo, WV. 26337, which bank and its successors are hereby designated as LESSOR's agent for the purpose of receiving said payment. If said bank should fail, liquidate or be succeeded by another bank, or for any reason fail or refuse to accept payments on behalf of LESSOR, LESSEE shall not be held in default for failure to make said payment so long as LESSEE has made a bona fide attempt to make said payment and in no event shall any default be declared against LESSEE until thirty (30) days after LESSEE receives written notice of said default during which time LESSEE shall have the right to make the payment then in default and thereby cure said default.

8. Any notice or demand required by this agreement shall be made to the LESSOR and LESSEE at the address set forth herein and to successors or assigns of the LESSEE herein at the address set forth in the instrument of conveyance as recorded in the County Recorder's Office by United States mail, postage prepaid, or in person.

9. LESSEE is authorized to pool or combine the land covered by this lease, or any portion thereof, or formation thereunder, as to oil and/or gas, with any other land, lease or leases when in LESSEE's judgment it is advisable to do so in order to properly develop or operate said premises. Such pooling shall be into a well unit or units not exceeding approximately forty (40) acres for oil and not exceeding approximately six hundred forty (640) acres for gas. LESSEE shall execute and record an instrument or instruments identifying and describing the pooled acreage. Production, drilling or reworking operations anywhere on the unit which includes all or a part of this lease shall be treated as if it were production, drilling or reworking operations under this lease. In lieu of the royalties elsewhere herein specified, LESSOR shall receive from a unit so formed only such portion of the royalties stipulated herein as the amount of his acreage placed in the unit or his royalty therein bears to the total acreage so pooled in the particular unit involved.

10. The rights of either party hereunder may be assigned in whole or in part, and the provisions hereof shall extend to, and be binding on, their heirs, successors, and assigns; but no change or division in ownership of the land, rentals or royalties, however accomplished, shall operate to enlarge the obligations or diminish the rights of LESSEE; and no change or division in such ownership shall be binding on LESSEE until thirty (30) days after LESSEE shall have been furnished by certified mail at LESSEE's principal place of business with originals or certified copies of recorded documents of title transferring title from LESSOR. In the event of assignment hereof, in whole or in part, liability for breach of any provision hereunder shall rest exclusively upon the owners of this lease or portion thereof who commits such breach.

11. LESSEE shall have and enjoy all rights and privileges necessary and convenient for the proper use and development of this lease, and shall have the right to use, free of cost, gas, oil and water produced on said land for its operations thereon, except water from wells of LESSOR. LESSEE shall also have the right at any time to remove all or any part of the machinery, fixtures or structures placed on said premises including the right to draw and remove casing.

12. LESSEE hereby agrees to restore the surface of the land covered by this lease to as near as practical its original condition after each drilling operation and further agrees to pay LESSOR for all damages to growing crops, improvements and livestock caused by or arising out of its operations thereon. When required by LESSOR, LESSEE will bury all pipelines below ordinary plow depth. No well shall be drilled within two hundred (200) feet of any residence or barn now on said land without LESSOR's consent.

13. LESSOR hereby warrants and agrees to defend the title to this property including the oil and gas and other minerals which are the subject of this lease and LESSOR agrees that LESSEE, at its option, may pay, discharge or redeem any taxes, mortgages, or other liens existing on or assessed against said property, either in whole or in part, and in the event LESSEE does so, it shall be subrogated to the rights of such lien holder with the right to reimburse itself by applying any royalty toward satisfying the same.

03/29/2024

14. Should LESSEE be prevented from complying with any express or implied covenant of this lease, from conducting drilling or reworking operations thereon or from producing oil or gas therefrom by operation of force majeure, any Federal or State law, or any order, rule, or regulation of any governmental authority, then while so prevented, LESSEE's obligation to comply with such covenant shall be suspended, and LESSEE shall not be liable in damages for failure to comply therewith; and this lease shall be extended while and so long as LESSEE is prevented by any such cause from conducting drilling or reworking operations on or from producing oil or gas from the leased premises, anything in the lease to the contrary notwithstanding.

15. If LESSOR owns a less interest in the above-described land than the entire and undivided fee simple estate therein, then the royalties and rentals herein provided shall be paid to the LESSOR only in the proportion which its interest bears to the whole undivided fee. Should any person, firm, or corporation having an interest in the above-described land not lease to LESSEE, or should any one or more of the parties named above as LESSOR not execute this lease, it shall nevertheless be binding upon the party or parties executing the same.

16. At any time LESSEE shall have the right to surrender this lease or any part thereof for cancellation, after which all payments and liabilities thereunder shall cease and determine as to the part or parts so surrendered, and if the whole is surrendered, then this lease shall become absolutely null and void. This surrender may be made to the LESSOR, or if more than one LESSOR, then to any one of them, or to any heir or assign of any one of them, by delivery of a duly executed surrender thereof in person or by mail addressed to the address of such person as set forth herein, or by recording a duly executed surrender thereof in the Recorder's Office of the County in which the land is located.

17. In consideration of the granting of this lease and its terms and covenants, LESSOR does hereby grant, sell, assign, transfer and set over unto the LESSEE, its heirs, successors, representatives and assigns, a right-of-way to lay, maintain, operate, inspect, replace, change the size of, locate and remove pipe lines for the transportation of oil or gas and other products with drips, valves, measuring and regulating equipment and other necessary appurtenances thereto on, over and through the land of the LESSOR together with the right of ingress and egress to and from said pipe line measuring and regulating equipment and other necessary appurtenances at all times as may be necessary or convenient for the full and complete use by the LESSEE of this right-of-way.

The LESSOR shall use and enjoy the said lands subject to the conditions and provisions of this right-of-way grant expressed and implied and provided always that such use and enjoyment shall not interfere with or be inconsistent in any way with the rights, privileges and uses herein granted to the LESSEE.

18. This lease embodies the entire contract and agreement between LESSOR and LESSEE, and no warranties, representations, promises, or inducements not herein expressed have been made or relied upon by either party.

IN WITNESS WHEREOF, the parties hereto, intending to be legally bound, have executed this instrument as of the day and year first above-written.

WITNESS: _____
_____ (SEAL)
_____ (SEAL)
_____ (SEAL)
_____ (SEAL)
_____ (SEAL)
_____ (SEAL)
_____ (SEAL)

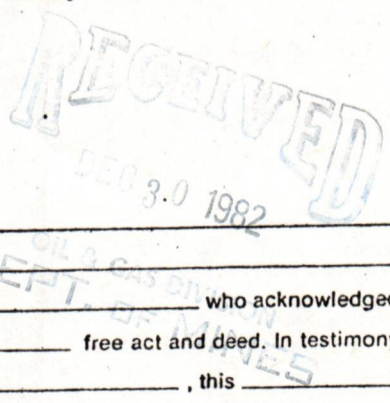
WEST VIRGINIA ACKNOWLEDGEMENT

STATE OF WEST VIRGINIA }
COUNTY OF Ritchie } To-wit:
_____, a Notary Public of said County, do hereby certify that _____
Carl R. & Rebecca L. Carver, Husband & Wife
whose name 2 ARE signed to the within writing bearing date the 13th day of December, 19 82
at this day acknowledged the same before me in my said County.
Given under my hand this 13th day of December, 19 82

Notary Public
My Commission expires October 13th, 1991

OHIO ACKNOWLEDGEMENT

STATE OF OHIO }
COUNTY OF _____ } SS.
before me, a Notary Public in and for said county, personally appeared the above named _____
_____ who acknowledged
that _____ he _____ did sign the foregoing instrument, and that the same is _____ free act and deed. In testimony
whereof I have hereunto subscribed my name at _____, this _____
day of _____, 19 _____.
My Commission expires _____



03/29/2024

STATE OF WEST VIRGINIA, (Form CC No. 1)
Ritchie County Commission Clerk's Office, _____ December 13th _____, 19 82 at 4:10 o'clock P. M.

The foregoing writing, with the certificate of acknowledgment thereto, was this day admitted to record in said office.

Teste: Linda B. Manf, Clerk

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
FINAL INSPECTION REQUEST
INSPECTOR'S COMPLIANCE REPORT

RECEIVED
 NOV 1 - 1983

OIL & GAS DIVISION
 DEPT. OF MINES

Permit No. 47-085-6135 County Ritchie
 Company Grant Strim Drilling Co. Farm Carl R. + Rebecca S. Corder
 Inspector Samuel Hersman Well No. Corder #1
 Date 10-27-83

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 Strength	---	---
23.02	Maintained Access Roads	---	---
25.01	Necessary Equipment to prevent Waste	---	---
23.03	Reclaimed Drilling Site	---	---
23.04	Reclaimed Drilling Pits	---	---
23.05	No surface or underground Pollution	---	---
7.03	Identification Markings	---	---

Cancelled

COMMENTS: Final on Cancellation

I have inspected the above well and (HAVE/HAVE NOT) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia.

SIGNED: Samuel N. Hersman
 DATE: 10-27-83

03/29/2024



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

WALTER N. MILLER
 DIRECTOR

THEODORE M. STREIT
 ADMINISTRATOR

December 8, 1983

Grant Grim Drilling Company
 P. O. Box 394
 Tionesta, Pennsylvania 16353

In Re: PERMIT NO: 085-6135
 FARM: Carl & Rebecca Carder
 WELL NO: 1
 DISTRICT: Grant
 COUNTY Ritchie

Gentlemen:

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

XXXXXX The well designated by the above 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
 Office of Oil & Gas-Dept. M03e2 08/29/2024

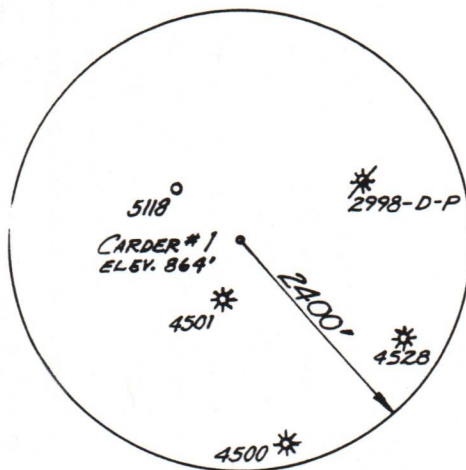
111.7.12.30/82

LATITUDE 39°15'00"

7.5

Hazel G. Cain

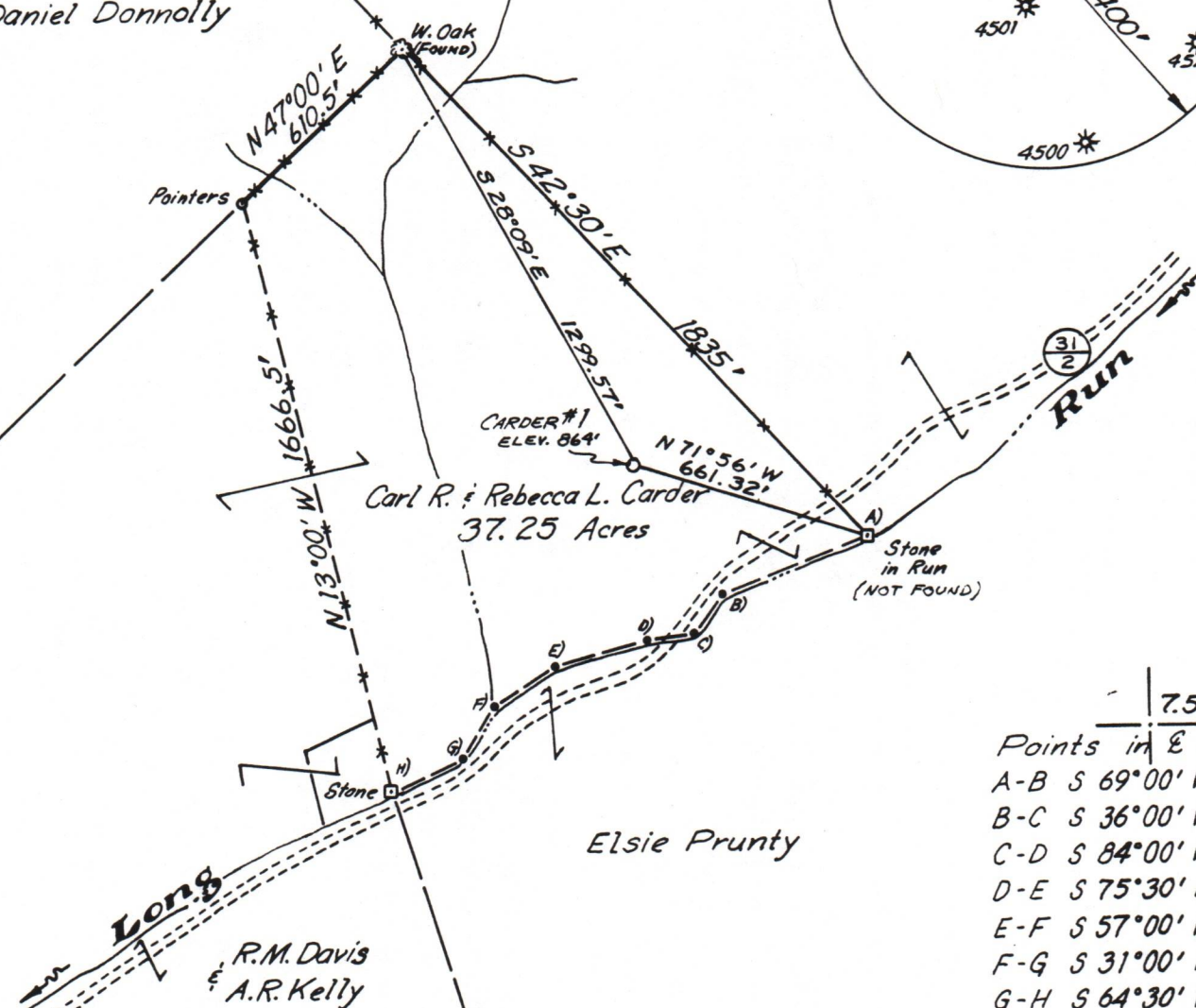
Daniel Donnelly



LONGITUDE 81°12'30"

11.590'

NORTH



Carl R. & Rebecca L. Carder
37.25 Acres

Stone in Run
(NOT FOUND)

Elsie Prunty

R.M. Davis
& A.R. Kelly

Points in E of Run	Distance
A-B	S 69°00' W 429'
B-C	S 36°00' W 132'
C-D	S 84°00' W 132'
D-E	S 75°30' W 264'
E-F	S 57°00' W 198'
F-G	S 31°00' W 165'
G-H	S 64°30' W 165'

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION USGS BM 713'

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) Paul K. Marshall
 R.P.E. _____ L.L.S. 580

PLACE SEAL HERE

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



DATE DECEMBER 23, 1982
 OPERATOR'S WELL NO. CARDER #1
 API WELL NO. _____
47 - 085 - 6135
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

CANCELLED

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 864' WATER SHED LONG RUN
 DISTRICT GRANT COUNTY RITCHIE
 QUADRANGLE CAIRO (7.5')
 SURFACE OWNER CARL R. & REBECCA L. CARDER ACREAGE 37.25
 OIL & GAS ROYALTY OWNER CARL & REBECCA CARDER LEASE ACREAGE 37.25

PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

03/29/2024

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 5990'
 WELL OPERATOR GRANT GRIM DRILLING CO DESIGNATED AGENT DURL FLUHARTY
 ADDRESS BOX 394 TIONESTA, PA. 16353 ADDRESS 425 SOUTH SPRING ST. HARRISVILLE, W.VA.

Date: December 23, 1982

Operator's Well No. Carder #1
API No. 47-085

Division of Oil and Gas Royalty

Carl and Rebecca Carder 1/8 of 8/8
Route 1 Cairo, W.W. 26337

Domestic Oil and Gas Co. 1/32 of 7/8

Grant Grim Drilling Co. 31/32 of 7/8
Box 394 Tionesta, Pa. 16353

RECEIVED
DEC 30 1982
OIL & GAS DIVISION
DEPT. OF MINES

03/29/2024

Date: December 23, 1982

Operator's Well No. Order #1

APINo. 47-082

Division of Oil and Gas Royalty

Carl and Rebecca Gander
Route 1 Cairo, W.V. 26337
1/8 of 8/8

Domestic Oil and Gas Co.
1/32 of 7/8

Grant Grim Duffin Co.
Box 304 Monaca, Pa. 16353
31/32 of 7/8