



Date: August 24, 19 82
Operator's Well No. Arrahwana Pifer #1
API Well No. 47 085 5844
State West Virginia County Ritchie Permit 5844

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas
(If "Gas", Production / Underground storage / Deep / Shallow)

LOCATION: Elevation: 996 Watershed: Ing Comfort Run
District: Grant County: Ritchie Quadrangle: Ellenboro 7:5

WELL OPERATOR Rimrock Production Corp DESIGNATED AGENT Robert L. Murdock
Address 4424 'B' Emerson Avenue Address 4424 'B' Emerson Avenue
Parkersburg, W.Va. 26104 Parkersburg, W.Va. 26104

OIL & GAS ROYALTY OWNER Arrahwana Pifer
Address Pt. 1 Box 160
Ellenboro, WV 26346
Acreage 29.5

COAL OPERATOR none
Address _____

SURFACE OWNER William & Dorothy Johnson
Address Pt. 1
Ellenboro, WV 26346
Acreage _____

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name n/a
Address _____
Name _____
Address _____

FIELD SALE (IF MADE) TO:
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name n/a
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Samuel Hersman
Address P.O. Box 66
Smithville, W.Va 26178

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed _____ / lease _____
Assignment / other contract dated June 17, 19 82, to the undersigned well operator from Magnum Oil Corporation
(If said deed, lease, or other contract has been recorded:)

Recorded on August 9, 19 82, in the office of the Clerk of the County Commission of Ritchie County, West Va., in Lease Book 147 at page 38. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper _____ / Redrill _____ / Fracture or stimulate /
Plug off old formation _____ / Perforate new formation _____ /
Other physical change in well (specify) _____
_____ planned as shown on the work order on the reverse side hereof.

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.
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.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

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04/12/2024
Rimrock Production Corp
Well Operator
By Alison Crane
Its Agent

BLANKET BOND

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) FWA Drilling
Address P.O. Box 448
Elkview, W.Va.

GEOLOGICAL TARGET FORMATION, Marcellus Shale

Estimated depth of completed well, 5500 feet Rotary Cable tools

Approximate water strata depths: Fresh, 246 feet; salt, 476 feet.

Approximate coal seam depths: _____ Is coal being mined in the area? Yes No

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	1 1/4	CW	45	X		290	290	CTS	Kinds
Fresh Water	8 5/8	erw	23	X		1100	1100	350 sbs	Baker
Coal									Sizes 4 1/2
Intermediate									
Production	4 1/2	erw	10.5	X		5500	5500	700 sbs	Depths set 4000
Tubing	2 3/8	CW	4.7	X		0	4000	0	
Liners									Perforations: est. depth
									Top 2500 Bottom 2000

NOTE: 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.

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.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR drilling **. THIS PERMIT SHALL EXPIRE**
IF OPERATIONS HAVE NOT COMMENCED BY 5-2-83 **;**
BY [Signature]

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

04/12/2024

The undersigned coal operator _____ / owner _____ / lessee _____ of the coal under this well location has examined the 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 applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____

By _____
Its _____

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Ellenboro 7.5'

LEGEND

Well Site ⊕

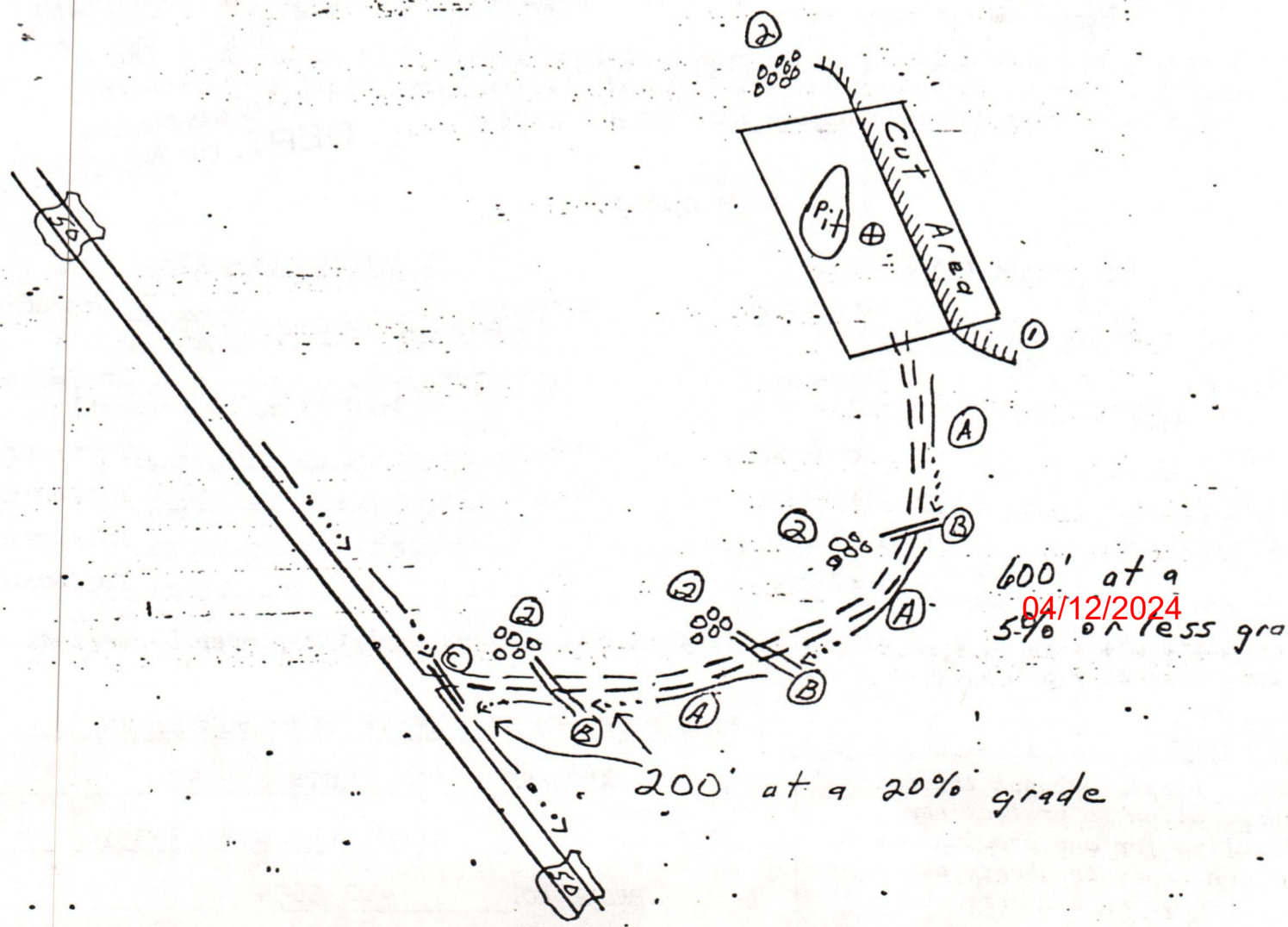
Access Road ———

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	



State of West Virginia

WELL NO. 1 Arrahwana River

API NO. 47-085-5844

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Rimrock Production Corp. DESIGNATED AGENT Robert L. Murdock
Address 4424B Emerson Ave., Parkersburg, WV Address 4424B Emerson Ave., Parkersburg, WV
Telephone 485-6040 Telephone 485-6040
OWNER William & Dorothy Johnson SOIL CONS. DISTRICT Little Kanawha
Revegetation to be carried out by Rimrock Production Corp. (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 8-2-82

(Date)

Garrett Newton
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>Drainage Ditch</u> (A)	Structure <u>Diversion Ditch</u> (1)
Spacing <u>N/A</u>	Material <u>Earthen</u>
Spec. Ref. Manual <u>2-12</u>	Page Ref. Manual <u>2-12</u>
Structure <u>Cross Drain</u> (B)	Structure <u>Sediment Barrier</u> (2)
Spacing <u>80'</u>	Material <u>Stone or logs</u>
Spec. Ref. Manual <u>2-1</u>	Page Ref. Manual <u>2-16</u>
Structure <u>Culvert</u> (C)	Structure _____ (3)
Spacing <u>(1) 24" Pipe</u>	Material _____
Spec. Ref. Manual <u>2-7</u>	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	XXXXXXXXXXXX
_____ Tons/acre	Line _____ Tons/acre
or correct to pH <u>6.5</u>	or correct to pH _____
Fertilizer <u>600</u> lbs/acre	Fertilizer _____ lbs/acre
(10-20-20 or equivalent)	(10-20-20 or equivalent)
ch HAY <u>2</u> Tons/acre	Mulch _____ Tons/acre
KY-31 <u>35</u> lbs/acre	Seed _____ lbs/acre
Crownvetch <u>10</u> lbs/acre	_____ lbs/acre
_____ lbs/acre	_____ lbs/acre

04/12/2024

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

PLAN PREPARED BY SMITH LAND SURVEYING

ADDRESS 111 SOUTH STREET

GLENVILLE W.V. 26351

PHONE NO. 462-5634

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



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State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

Permit-5844

TO: ALL OPERATORS

DATE: June 10, 1982

FROM: Theodore M. Streit, Administrative Assistant

RE: New Permit Application Forms

On March 13, 1982, the legislature passed HB-154 which goes into effect June 11, 1982. This bill requires proof of one-eighth (1/8) royalty payment to the royalty owners before any well permit can be issued.

We are at the present time printing up new Permit Application Forms which should be available by next month. In the meantime you will be required to send in a notarized affidavit (sample copy below) with each permit application.

AFFIDAVIT

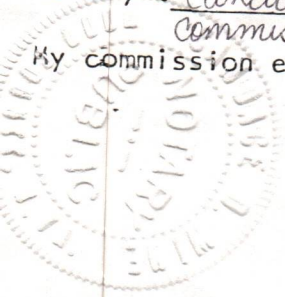
I, Robert L. Murdock (the above designated owner or operator, or authorized representative thereof) hereby verifies that the owner or owners of the mineral estate upon which this proposed well is to be located will receive minimum one-eighth (1/8) royalty payments for any gas or oil extracted therefrom. Copies of the 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, co-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.

Signed: Robert L. Murdock
(Owner, Operator, or Authorized Representative)

Notary: Candace D. Thompson (Signed)

Commissioned as Notary

My commission expires October 19, 1991



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100-100000

Department of Mines
and
Geological Survey of Canada

1988

1988

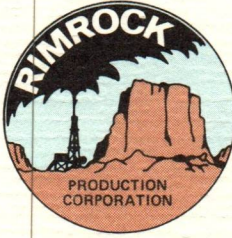
The following information is being provided to you for your information only. It is not intended to be used as a basis for any legal action.

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DEPT. OF MINES
OIL & GAS DIVISION
AUG 24 1988



04/12/2024



4424 "B" Emerson Avenue
Parkersburg, WV 26101
(304) 428-1520

Department of Mines
Oil & Gas Division
1615 Washington St. East
Charleston, WV 25325

Dear Sirs:

This letter is to inform you of the new address on the A. Pifer #1 the surface owner is William and Dorthy Johnson and the Reclamation forms were not able to be sent on from your office because of an incorrect address. The permit number is 47 - 085 - 5844.

William & Dorthy Johnson
Rt. #1 Box 116-A
Cairo, WV 26337

I have sent the forms on to Mr. Johnson.

Sincereley,

Kay E. McKimmie
Agent

04/12/2024

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 hereunder 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, relocate 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:

SS# 232-70-9359

x Arrawanna Pifer (SEAL)
Arrawanna Pifer (SEAL)
(SEAL)
(SEAL)
(SEAL)
(SEAL)
(SEAL)

WEST VIRGINIA ACKNOWLEDGEMENT

STATE OF WEST VIRGINIA

COUNTY OF RITCHIE

To-wit:

I, Kamalynn J. Pouse, a Notary Public of said County, do hereby certify that Arrawanna Pifer, widow

whose name is signed to the within writing bearing date the 16th day of June, 1982

has this day acknowledged the same before me in my said County.

Given under my hand this 16th day of June, 1982

Kamalynn J. Pouse
Notary Public

My Commission expires June 9, 1992

OHIO ACKNOWLEDGEMENT

STATE OF OHIO

COUNTY OF

SS.

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Before me, a Notary Public in and for said county, personally appeared the above named

OIL & GAS DIVISION
DEPT. OF MINE

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

Notary Public

Oil and Gas Lease

WANDA PIFER

TO

MAGNUM OIL CORPORATION

Date JUNE 16, 1982

Acres 29.45

Location

GRANT DISTRICT

County RITCHIE State W. VA.

Term ONE (1) YEAR

RECORDING DATA:

Filed and admitted to record in the office of the Clerk of the County Commission of Ritchie County, W. Va. AUG 9 1982

at 9:00 o'clock A. M.

Recorded in lease

Book No. 147 Page 44

Testes: Spinda B. May Clerk

0412/2024

OIL AND GAS LEASE

THIS AGREEMENT, made this 16th day of June, 19 82,by and between: Arrahwana Pifer, widowRt. 1, Box 160Ellenboro, WV 26346and Magnum Oil Corporation hereinafter known as the "LESSOR", whether one or more,
P. O. Box 4295; Parkersburg, WV 26104 hereinafter known as the "LESSEE", whether one or more,

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, Township Ritchie, District, County of Ritchie, State of W. Va., and more particularly described at Volume 147, Page 529, of the Deed Records of Ritchie County, West Virginia, which description is hereby referred to and incorporated herein by reference; which property is bounded substantially as follows:

NORTH by lands of P. C. MahaneyEAST by lands of T. E. DyeSOUTH by lands of J. M. MorrisonWEST by lands of David G. Williams & Old Rt. 50Containing 29.45 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 June 16, 19 83, or this lease shall expire as to both parties, unless LESSEE pays or tenders the sum of \$_____ for each _____ 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 \$ 10.00 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, 200,000 cubic feet of 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 _____

_____ Bank at _____, 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 obligation 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.

mission expires
County, W. Va.
Recorded in the office of the County Commission of Ritchie
Book No. 147
Testes: *S. Mada*
Page 44
9:00 o'clock
AUG 9 1982
A. M.
CLERK

STATE OF WEST VIRGINIA,

Ritchie County Commission Clerk's Office,

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

(Form CC No. 1)

Teste: *Sandra B. Mays*, Clerk

04/12/2024

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OIL & GAS DIVISION
DEPT. OF MINES

04/12/2024

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

Stage 1 - 4160'-4870' - 20 holes - 850,000 SCF N₂ - 200 gal. acid.

Stage 2 - 3480'-4080' - 21 holes - 850,000 SCF N₂ - 150 gal. acid.

Stage 3 - 2510'-3380' - 25 holes - 850,000 SCF N₂ - 150 gal. acid.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Soil			0	15	
Sandstone & Shale			15	50	
Sandstone & Shale			100	200	
Sandstone & Shale			200	300	
Sandy Siltstone			300	400	
Sandstone & Shale			400	500	
Sandstone & Shale			500	600	
Sandstone & Shale			600	700	
Sandy Siltstone			700	800	
Sandy Siltstone			800	900	
Sandstone			900	1000	
Sandstone			1000	1100	
Siltstone			1100	1200	
Sandy Siltstone			1200	1300	
Sandstone & Shale			1300	1400	
Sandstone & Shale			1400	1500	
Sandstone & Siltstone			1500	1600	
Sandstone & Shale			1600	1700	
Sandstone & Shale			1700	1800	
Sandstone & Siltstone			1800	1912	
Big Injun			1912	2000	Oil Show
Sandy Siltstone			2053	2200	
Sandy Siltstone			2200	2300	
Sandy Siltstone			2300	2400	
Sandy Siltstone			2400	2500	
Sandy Siltstone			2500	2600	
Sandy Siltstone			2600	2700	
Sandy Siltstone			2700	2800	
Sandy Siltstone		7	2800	2900	
Sandy Siltstone			2900	3000	
Silt Siltstone			3000	3500	
Siltstone			3500	4000	
Siltstone			4000	4500	
Siltstone & Shale			4500	4904	

(Attach separate sheets as necessary)

Rimrock Production Corporation
Well Operator

04/12/2024

By: Kay C. Mc Kimmie - Agent

Date: October, 26, 1982

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ... encountered in the drilling of a well."

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NOV 4 1982



IV-35
(Rev 8-81)

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date October 26, 1982
Operator's
Well No. #1
Farm A. Pifer
API No. 47 - 085 - 5844

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

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

LOCATION: Elevation: 997' Watershed Dog Comfort
District: Grant County Ritchie Quadrangle Ellenboro 7.5'

COMPANY Rimrock Production Corporation
ADDRESS 4424 "B" Emerson Ave. Parkersburg, WV
DESIGNATED AGENT Robert L. Murdock
ADDRESS 4424 "B" Emerson Ave. Parkersburg, WV
SURFACE OWNER Floyd Pifer
ADDRESS Rt. #1 Box 176, Cairo, WV
MINERAL RIGHTS OWNER Floyd Pifer et al
ADDRESS Rt. #1 Box 176, Cairo, WV
OIL AND GAS INSPECTOR FOR THIS WORK Sam
Hersman ADDRESS P.O. Box 66, Smithville, WV

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
11 3/4 13-10"	20	0	0
9 5/8			
8 5/8	1118	1118	280
7			
5 1/2			
4 1/2	4900	4900	650
3			
2			
Liners used			

PERMIT ISSUED _____
DRILLING COMMENCED September 21, 1982
DRILLING COMPLETED September 25, 1982

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

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 2410-4904 feet
Depth of completed well 4900 feet Rotary / Cable Tools _____
Water strata depth: Fresh 246 feet; Salt 476 feet
Coal seam depths: _____ Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Devonian Shale Pay zone depth 2510-4870 feet
Gas: Initial open flow 92 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 73 Mcf/d Final open flow 27 Bbl/d

Time of open flow between initial and final tests 24 hours

Static rock pressure 725 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)

04/12/2024

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)

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

RECEIVED

SEP 27 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5844

Oil or Gas Well _____
(KIND)

Company Pimrock Prod. Corp.
 Address _____
 Farm William & Dorothy Johnson
 Well No. Arrohanna Pifer #1
 District Grant County Pit
 Drilling commenced 9-21-82
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 5/8			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 Willard Speece / Denny Drenner / A. P. Collins

Remarks: F.W.A. Rig 23 tool Pusher Harley Jars

Ran 1118 feet of 8 5/8 casing Halliburton used 185 sacks
light and 100 lb total of 285 sacks
Circulation established on last 2 Bl. no cement to surface
Basket at 80 feet to put cement in from top
Plug 6:45 P.M. on bottom

9-22-82

DATE

Samuel N. Hersman 04/12/2024
DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

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

Drillers' Names _____

Remarks: _____

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

04/12/2024
DISTRICT WELL INSPECTOR

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

RECEIVED

MAR 15 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5844

Oil or Gas Well _____
(KIND)

Company Rimrock Production Corp.
 Address _____
 Farm William + Dorothy Johnson
 Well No. Arakwanna Pifer #1
 District Grant County Ritchie
 Drilling commenced _____
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 5/8			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 _____

Remarks: Status report - Location reclaimed - timber piled to side of location - Roads washing - need cross ditches installed and I.D. number on well-head can not release at this time

3-11-83

DATE

Samuel N. Hester 04/12/2024

DISTRICT WELL INSPECTOR

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

RECEIVED

APR 25 1983

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 85-5844

Oil or Gas Well _____
(KIND)

Company Rimrock Prod. Corp.
 Address _____
 Farm A. Pifer
 Well No. 1
 District Grant County Ritchie
 Drilling commenced _____
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			Kind of Packer
16			
13			
10			Size of
8 1/4			
6 5/8			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 _____

Remarks: Final inspection = OK to Release

4-18-83
DATE

Samuel N. [Signature]
DISTRICT WELL INSPECTOR



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

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

May 9, 1983

Rimrock Production Corporation
4424 Emerson Avenue
Parkersburg, W. Va. 26101

Gentlemen:

The required records and reports have been received in this office and the District Inspectors have submitted FINAL INSPECTIONS for the following wells listed below:

<u>PERMIT NUMBER</u>	<u>FARM AND WELL NUMBER</u>	<u>DISTRICT</u>
RIT-5455-FRAC.	E. C. Curry, #1	Union
RIT-5469	Olin D. Baker/Lettie M. Baker #1	Clay
RIT-5516-REFRAC.	Walter A. Crane Heirs, #1	Union
RIT-5590	Freda & Leonard Byrd, #1	Union
RIT-5611	Martin Corbin, et al, #1	Grant
RIT-5680	Walter A. Crane Heirs, "A" #1	Union
RIT-5685	Grace Cox, et al, #1	Union
RIT-5698	Carl Dotson, #1	Grant
RIT-5709	Merrill G. Hedrick, #1	Grant
RIT-5711	Merrill G. Hedrick, #2	Grant
RIT-5718	Elsie Cameron, Agent, #1	Union
RIT-5720	Cecil C. Gardner, #1	Grant
RIT-5752	Emmett Moyers, #1	Grant
RIT-5844	Arrahwanna Pifer, #1	Grant
RIT-5845	Floyd Pifer, et al, #1	Grant

In accordance with Chapter 22, Article 4, Section 2, the above captioned wells will remain under bond coverage for "life of wells." Reclamation requirements have been approved.....

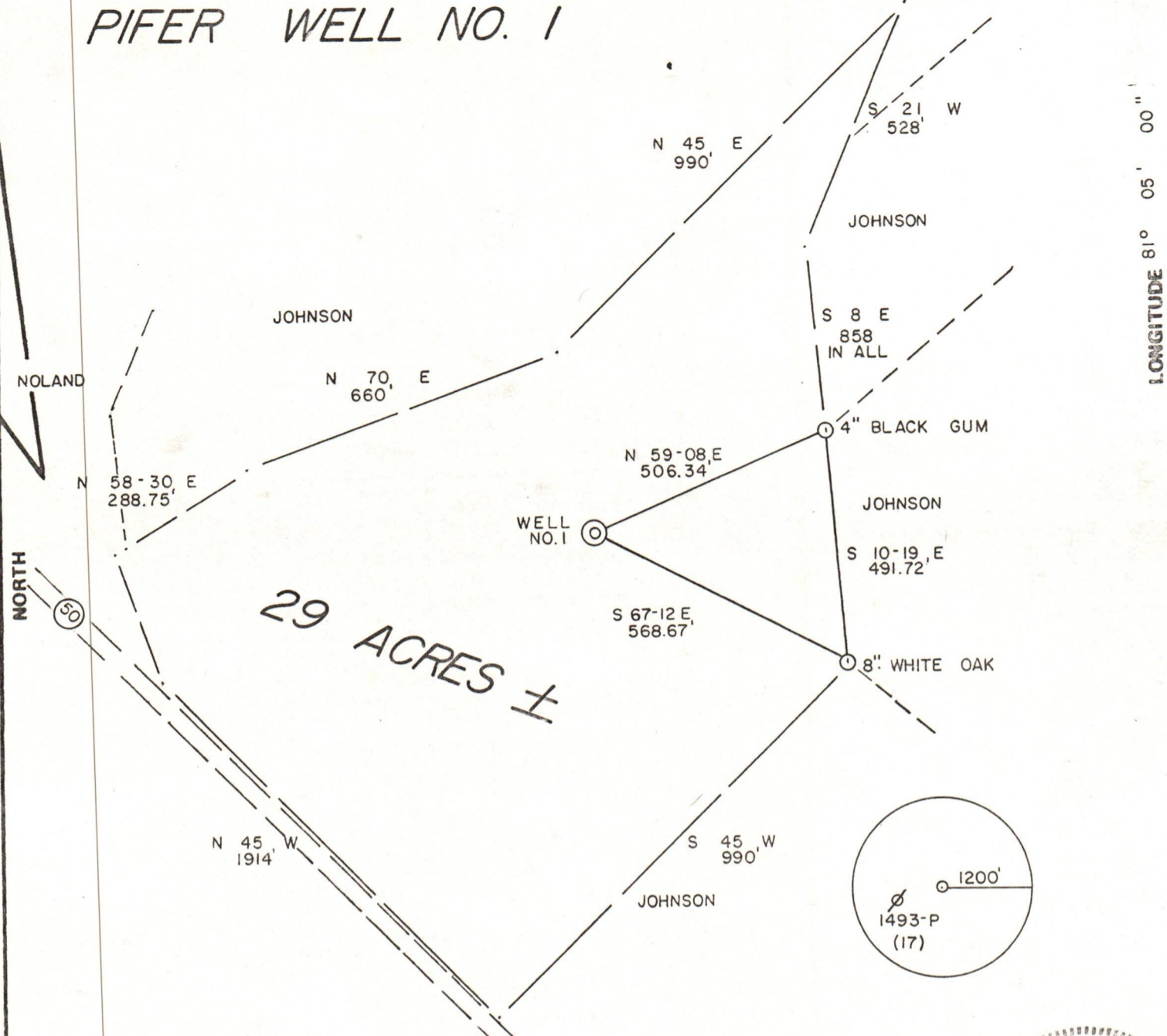
Very truly yours,

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

TMS/

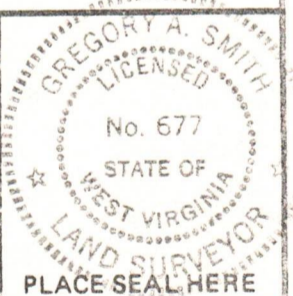
04/12/2024

PIFER WELL NO. 1



FILE NO. 8-22
 DRAWING NO. _____
 SCALE 1" = 300'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION B.M. 805'

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) Gregory A. Smith
 R.P.E. _____ L.L.S. 677



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



DATE AUGUST 9, 1982
 OPERATOR'S WELL NO. 1
 API WELL NO. _____
47 085 5844
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 996' WATER SHED DOG COMFORT RUN
 DISTRICT GRANT COUNTY RITCHIE
 QUADRANGLE ELLENBORO 75
 SURFACE OWNER WILLIAM & DOROTHY JOHNSON ACREAGE 29
 OIL & GAS ROYALTY OWNER ARRAHWANNA PIFER LEASE ACREAGE 29
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 5200'
 WELL OPERATOR RIMROCK PRODUCTION CORP. DESIGNATED AGENT ROBERT L. MURDOCK
 ADDRESS 4424 B EMERSON AVENUE ADDRESS 4424 B EMERSON AVENUE
PARKERSBURG, W.V. 26101 PARKERSBURG, W.V. 26101

04/12/2024