



Date: July 28, 19 82

Operator's Well No. Cassidy #1

API Well No. 47 085 5797  
State County Permit

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

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

LOCATION: Elevation: 1086 Watershed: Dog Comfort Run  
District: Grant County: Ritchie Quadrangle: Ellenboro 7.5

WELL OPERATOR Pimrock Production Corp. DESIGNATED AGENT Robert L. Murdock  
Address 4424 B Emerson Ave. Address 4424 B Emerson Ave  
Parkersburg, W.Va. 26104 Parkersburg, W.Va. 26104

OIL & GAS ROYALTY OWNER Deo Lawrentz COAL OPERATOR NONE  
Address 910 Chittum Lane Address \_\_\_\_\_  
South Charleston, W.Va. 25309

ACREAGE 32 COAL OWNER(S) WITH DECLARATION ON RECORD:  
SURFACE OWNER Deo Lawrentz Name NONE  
Address 910 Chittum Lane Address \_\_\_\_\_  
South Charleston W.Va 25309 Name \_\_\_\_\_  
ACREAGE 32 Address \_\_\_\_\_

FIELD SALE (IF MADE) TO:  
Address unknown

OIL & GAS OPERATOR TO BE NOTIFIED  
Name Samuel N. Hersman Address \_\_\_\_\_  
Address P.O. Box 66 \_\_\_\_\_  
Smithville, W.Va. 26178 \_\_\_\_\_  
PH: 477-3597

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_\_\_ / lease \_\_\_\_\_  
Assignment  
other contract x / dated March 6, 19 82, to the undersigned well operator from North Hills  
Investment Company  
(If said deed, lease, or other contract has been recorded:)  
Recorded on March 10, 19 82, in the office of the Clerk of the County Commission of Ritchie County, West  
Va., in Lease Book 142 at page 37. A permit is requested as follows:

PROPOSED WORK: Drill x / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Fracture or stimulate x /  
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

04/12/2024  
**RECEIVED** Pimrock Production Corp.  
Well Operator  
AUG 02 1982 By Alison Crane  
Its Agent  
OIL & GAS DIVISION  
DEPT. OF MINES  
**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) unknown  
Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION, Elk

Estimated depth of completed well, 5500 feet Rotary  / Cable tools \_\_\_\_\_ /

Approximate water strata depths: Fresh, 150 feet; salt, \_\_\_\_\_ feet.

Approximate coal seam depths: none Is coal being mined in the area? Yes \_\_\_\_\_ / No  /

**CASING AND TUBING PROGRAM**

CASING OR TUBING TYPE	SPECIFICATIONS			New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft			For drilling	Left in well		
Conductor	11 3/4	CW	45#	X		250	250	CTS	Kinds
Fresh Water	8 5/8	erw	23#	X		1200	1200	350sks	Baker
Coal									Sizes
Intermediate									
Production	4 1/2	erw	10.5#	X		0	5300	750 SPS.	Depths set 4000'
Tubing	2 3/8	CW	4.7#	X		0	4000	0	
Liners									Perforations: est. depth
									Top 3200 Bottom 5400

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 4-4-83  
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**

The undersigned coal operator \_\_\_\_\_ / owner \_\_\_\_\_ / lessee \_\_\_\_\_ / of the coal under this well location 04/12/2024 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 \_\_\_\_\_

04/12/2024

ATTACH OR PHOTOCOPIY SECTION OF  
INVOLVED TOPOGRAPHIC MAP.  
QUADRANGLE ELLENBORO 7.5

LEGEND

Well Site ⊕

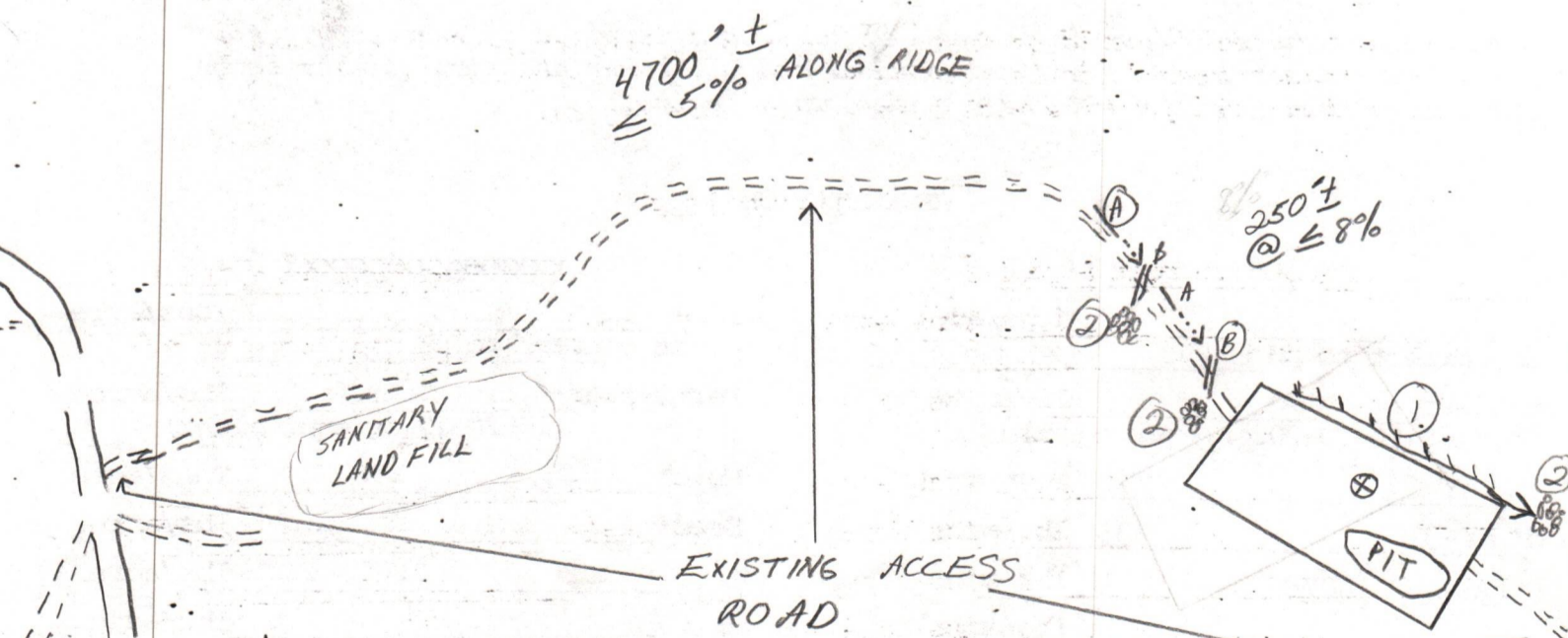
Access Road ———

WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, well site, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

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



EXISTING ACCESS ROAD WILL BE MAINTAINED.

04/12/2024

DATE JULY 1, 1982

WELL NO. CASSIDY # 1

State of West Virginia

API NO. 47-085-5797

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, W.V. Address 4424B EMERSON AVE., PARKERSBURG

Telephone 428-1520

Telephone 428-1520

LANDOWNER DEO M. LAWRENTZ

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: 7-7-82 (Date)

*Jarrett 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>
Page 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>100'</u>	Material <u>LOGS or STONE</u>
Page Ref. Manual <u>2-1</u>	Page Ref. Manual <u>2-16</u>
Structure _____ (C)	Structure _____ (3)
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____

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All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I & II	Treatment Area III
Lime _____ Tons/acre or correct to pH <u>6.5</u>	Lime _____ Tons/acre or correct to pH _____
Fertilizer <u>600</u> lbs/acre (10-20-20 or equivalent)	Fertilizer _____ lbs/acre (10-20-20 or equivalent)
Mulch <u>HAY</u> 2 Tons/acre	Mulch _____ Tons/acre
Seed* <u>KY-31</u> 35 lbs/acre	Seed* _____ lbs/acre
<u>LADINO CLOVER</u> 4 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.

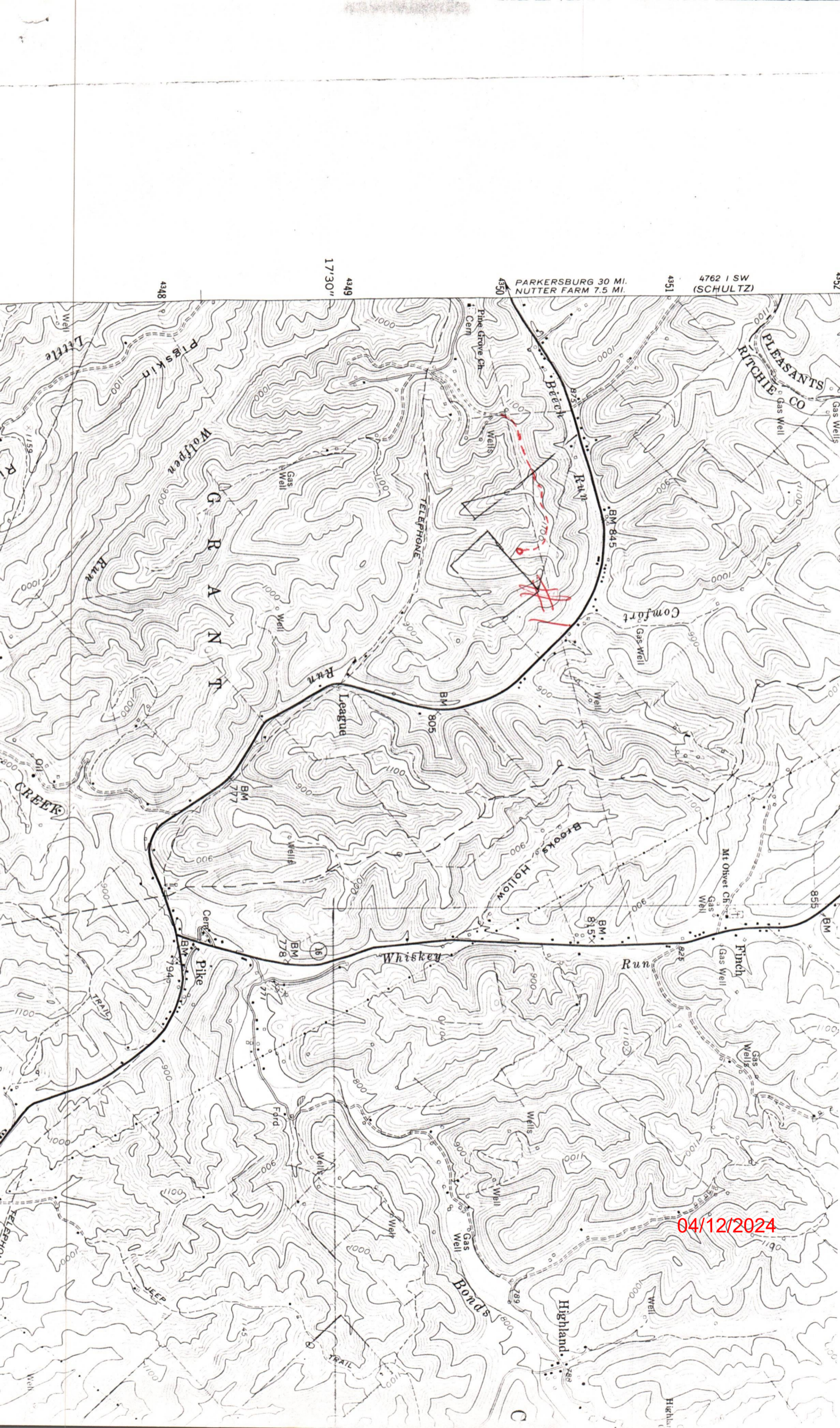
PLAN PREPARED BY SMITH LAND SURVEYING

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.



4762 1 SW (SCHULTZ)

PARKERSBURG 30 MI.  
NUTTER FARM 7.5 MI.

4349  
17'30"

4348

04/12/2024

PLEASANTS  
RITCHIE CO

GRANT

Whiskey Run

Bond's Run

Highland

Wolfpen Run

Pisskin Run

CREEK

League

Brooks Hollow

Finch

Highland

TELEPHONE

TRAIL

TRAIL

TRAIL

Rt. 7

Rt. 7

Pike

Ford

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DEPT. OF MINES

04/12/2024



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

*Ret-5797*

TO: ALL OPERATORS  
 FROM: Theodore M. Streit, Administrative Assistant  
 RE: New Permit Application Forms

DATE: June 10, 1982

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.

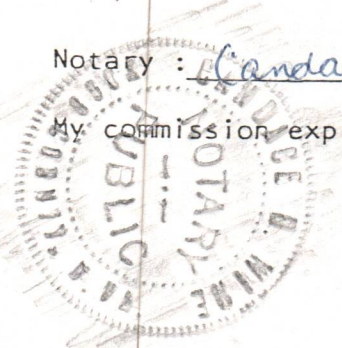
AFFIDAVIT

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. Wine* (Signed)

My commission expires *October 19, 1991*



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Handwritten notes in the upper left quadrant, including the word "MAN" and a signature.

Faint, illegible text in the upper middle section of the document.

Main body of the document containing several paragraphs of extremely faint, illegible text.



DEPT. OF JUSTICE  
WASHINGTON, D.C.

04/12/2024



THIS AGREEMENT, made and entered into the 28th day of January, 1982, by and between Deo Lawrentz and Rosalind Lawrentz, his wife

parties of the first part, hereinafter called the Lessor, and North Hills Investment Company, party of the second part, hereinafter called the Lessee.

Witnesseth, That the Lessor in consideration of One Dollar (\$1.00) in hand paid by the Lessee, receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained, hereby grants and warrants generally the title to all the oil and gas in and under, and grants, demises and leases with covenants of quiet possession, and of sole right to convey, all that certain tract of land hereinafter described, for the sole and only purpose of operating for and producing oil and gas, together with the rights of way and servitudes for pipe lines, structures, plants, drips, tanks, stations, telephone, telegraph and electric power lines, houses for gates, meters and regulators, and all other rights and privileges necessary, incident to and convenient for the economic operation, including the drilling of wells, of this land for oil and gas, with the right to use free oil, gas and water for such purposes and with the right of removing either during or after the term hereof all and any property and improvements placed or erected on the premises by Lessee; also with the right of operating as one entire tract, or subdividing the premises situate in Grant District, Ritchie County, and State of West Virginia, on the waters of Dog Comfort bounded and described as follows:

On the North by lands of 17 Harrison J., Hilda and David E. Robinson
On the East by lands of 25.3 Harvey Joy Hrs., L. N. Hrs., and Lester W. Stonestreet
On the South by lands of 29 Harold Payne, Edna Smith and Clara Sinord
On the West by lands of 25.1 Welcome S. Joy
Containing 32 acres, more or less, reserving, however, 200 feet from the any buildings now on the premises, on which no well shall be drilled by either party except by mutual consent.

To have and to hold unto and for the use of the Lessee for the term of 2 years from this date, and as long thereafter as the said land is operated by the Lessee in the search for or production of oil or gas, with the extension of term by payment of rentals as hereinafter set forth.

IN CONSIDERATION OF THE PREMISES the said Lessee covenants and agrees: 1st — To deliver to the credit of the Lessor, their heirs or assigns, free of cost, in the pipe line to which said Lessee may connect its wells, a royalty of the equal one-eighth (1/8) part of all oil produced and saved from the leased premises; 2nd — To pay the equal one-eighth (1/8) of all money received from sale of gas from each and every gas well drilled on said premises, the product from which is marketed and used off the premises, said payment to be made within sixty days after commencing to market the gas therefrom as aforesaid and to be paid each three months thereafter while the gas from said well or wells is so marketed and used.

Said Lessee shall not be required in any event to increase the rate of said gas well payments or said royalty of oil or the delay rental payments hereinafter provided by reason of any royalty or interest in said oil or gas that may have been heretofore sold, reserved or conveyed by said Lessor or their predecessors in title or otherwise; and if the Lessor does not have title to all the oil and gas in the leased premises, there shall be refunded such part of all delay rental and gas well payments made by the Lessee under this lease, as shall be proportionate to the outstanding title, and payments thereafter to be made for such purposes shall be reduced in the same proportion.

The leased premises may be fully and freely used by the Lessor for farming purposes, excepting such parts as are used by Lessee in operating hereunder.

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OIL & GAS DIVISION  
DEPT. OF MINES

04/12/2024

The said Lessee covenants and agrees to pay a rental at the rate of Ten Dollars per acre <sup>yearly</sup> ~~quarterly~~ per year dollars (\$ 10.00 ) <sup>yearly</sup> ~~quarterly~~ in advance, beginning in \_\_\_\_\_ months from this date, until a well is completed, or this lease surrendered; any rental paid for time beyond the date of completion of a gas well shall be credited upon the first royalty due upon the same.

All payments hereunder may be directed to the Lessor,

by check payable and mail to Deo Laurentz at 910 Chittum Lane, South Charleston Post Office, Kanawha County, State of West Virginia, or in any of said methods to \_\_\_\_\_, who is hereby appointed agent to receive and receipt for the same.

Lessor may lay a line to any well producing gas only on said land or to second party's pipe line leading from said well to market, to take gas produced from said well for their own use for heat and light in one dwelling house on said land at Lessor's own risk, subject to the use, operation, pumping and right of abandonment of the well and pipe line by the Lessee; the first two hundred thousand cubic feet of gas so taken in each year shall be free, but all gas in excess of two hundred thousand cubic feet taken in each year shall be paid for by the Lessor at the current published local rates of the Lessee, and measurement and regulation shall be by meter and regulators set at the tap on the well of line. This privilege is upon condition that the Lessor shall use said gas with economy, in safe and proper pipes and appliances, and shall subscribe to and be bound by reasonable rules and regulations of the Lessee published at such time relating to such use of gas.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

It is further agreed that the Lessee shall have the right at any time to surrender this lease, or from time to time any part or parts of the leased land upon the payment of One Dollar (\$1.00) and all amounts due hereunder as to the land so surrendered, and thereafter the Lessee shall be released and discharged from all payments, obligations, covenants and conditions herein contained as to the land so surrendered, and this lease shall thereupon become null and void as to land in respect to which a surrender is made.

The Lessor agrees that the recordation of deed of surrender in the proper County, and deposit in the post office of a check payable as above provided for said last mentioned sum and all amounts then due hereunder, shall be and be accepted as full and legal surrender of Lessee's rights under this lease.

All terms, conditions, limitations and covenants between the parties hereto shall extend to their respective heirs, successors, personal representatives and assigns.

IN WITNESS WHEREOF the parties to this agreement have hereunto set their hands and seals the day and year first above written.

Deo Laurentz \_\_\_\_\_ (Seal)  
Rosalind Laurentz \_\_\_\_\_ (Seal)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (Seal)

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AUG 02 1982

OIL & GAS DIVISION  
DEPT. OF MINES

04/12/2024

STATE OF WEST VIRGINIA,

COUNTY OF Kanawha

TO-WIT: I, Sara J. Jarrett, a Notary Public in and for said County and State, do certify that Leo Laurentz and Kasalend Laurentz, his wife, whose name are signed to the writing above, bearing date the 28 day of January, 1982, have this day acknowledged the same before me in my said County.

Given under my hand this 8th day of February, 1982.  
My Commission expires Dec. 15 1990. Sara J. Jarrett, Notary Public

STATE OF WEST VIRGINIA,

COUNTY OF \_\_\_\_\_

TO-WIT: I, \_\_\_\_\_, a Notary Public in and for said County and State, do certify that \_\_\_\_\_ and \_\_\_\_\_, his wife, whose name \_\_\_\_\_ signed to the writing above, bearing date the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, ha\_\_\_\_\_ this day acknowledged the same before me in my said County.

Given under my hand this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.  
My Commission expires \_\_\_\_\_, Notary Public

STATE OF WEST VIRGINIA,

COUNTY OF \_\_\_\_\_

TO-WIT: I, \_\_\_\_\_, a Notary Public in and for said County and State, do certify that \_\_\_\_\_ and \_\_\_\_\_, his wife, whose name \_\_\_\_\_ signed to the writing above, bearing date the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, ha\_\_\_\_\_ this day acknowledged the same before me in my said County.

Given under my hand this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.  
My Commission expires \_\_\_\_\_, Notary Public

STATE OF WEST VIRGINIA,

COUNTY OF \_\_\_\_\_

TO-WIT: I, \_\_\_\_\_, a Notary Public in and for said County and State, do certify that \_\_\_\_\_ and \_\_\_\_\_, his wife, whose name \_\_\_\_\_ signed to the writing above, bearing date the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, ha\_\_\_\_\_ this day acknowledged the same before me in my said County.

Given under my hand this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.  
My Commission expires \_\_\_\_\_, Notary Public

STATE OF WEST VIRGINIA,

COUNTY OF \_\_\_\_\_

TO-WIT: I, \_\_\_\_\_, a Notary Public in and for said County and State, do certify that \_\_\_\_\_ and \_\_\_\_\_, his wife, whose name \_\_\_\_\_ signed to the writing above, bearing date the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, ha\_\_\_\_\_ this day acknowledged the same before me in my said County.

Given under my hand this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.  
My Commission expires \_\_\_\_\_, Notary Public

This instrument was prepared by Karen Swadley, Attorney at Law, 210 E. Main St., Harrisville, WV 26362.

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OIL & GAS DIVISION

AUG 02 1982

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(Form CC No. 1)

STATE OF WEST VIRGINIA,

Ritchie County Commission Clerk's Office, ----- February 17th, 1982 ----- at 2:25 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. May* -----, Clerk

04/12/2024

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

- 1st. Stage-23 Holes, 4090-4820, Frac'd a/850,000 SCF N-2, 180 gal. acid
- 2nd. Stage - 17 holes, 3540'-4020', Frac'd w/ 1,010,000 SCF N-2 160 acid
- 3rd. Stage - 24 holes, 2600' - 3520' Frac'd w/980,000 SCF N-2 150 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			50	100	
Sandstone & Shale			100	200	
Sandstone & Siltstone			200	300	
Sandstone & Siltstone			300	400	
Sandstone & Siltstone			400	500	
Sandstone & Siltstone			500	600	
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Sandstone & Siltstone			1100	1200	
Sandstone & Shale			1200	1300	
Sandstone & Shale			1300	1400	
Sandstone & Shale			1400	1500	
Sandstone - Shale & Lime			1500	1600	
Siltstone & Shale			1600	1700	
Sandstone & Siltstone			1700	1800	
Sandstone & Siltstone			1800	1900	
Sandstone & Shale			1900	2000	
Big Injun			2000	2103	
Siltstone			2103	2200	
Siltstone & Sandy Siltst.			2200	2300	
Siltstone & Sandy Siltst.			2300	2398	
Berea			2398	2405	
Siltstone & Sandstone			2405	2500	
Siltstone & Sitty sandstone			2500	2600	
Sandy Siltstone			2600	3000	
Siltstone			3000	3500	
Siltstone			3500	4000	
Siltstone			4000	4500	
Siltstone			4500	4877	

(Attach separate sheets as necessary)

Rimrock Production Corporation

Well Operator

By: Alison Crane

04/12/2024

Date: 4/29/82

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





IV-35 (Rev 8-81) RECEIVED

SEP 30 1982

OIL AND GAS DIVISION WV DEPARTMENT OF MINES

State of West Virginia Department of Mines Oil and Gas Division

Date September 29, 1982 Operator's Well No. Cassidy #1 Farm Cassidy API No. 47 - 085 - 5797

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1086' Watershed Dog Comfort Run 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 Emerson Ave., Parkersburg, WV SURFACE OWNER Deo M. Lawrentz ADDRESS 910 Chittum Lane, S. Charleston, WV MINERAL RIGHTS OWNER Deo M. Lawrentz ADDRESS 910 Chittum Lane, S. Charleston, WV OIL AND GAS INSPECTOR FOR THIS WORK Samuel N. Hersman ADDRESS P.O. Box 66 Smithville, WV

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes like 20-16 Cond., 13-10" 11 3/4-23', 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

PERMIT ISSUED DRILLING COMMENCED August 25, 1982 DRILLING COMPLETED August 31, 1982

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

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 2398-4877 feet Depth of completed well 4877 feet Rotary X / Cable Tools Water strata depth: Fresh 366 feet; Salt 586 feet Coal seam depths: Is coal being mined in the area? X

OPEN FLOW DATA Producing formation Devonian Shale Pay zone depth 2600-4820 feet Gas: Initial open flow 200 Mcf/d Oil: Initial open flow 208 Bbl/d Final open flow 105 Mcf/d Final open flow 208 Bbl/d

Time of open flow between initial and final tests 24 hours Static rock pressure 775 psig (surface measurement) after 8 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)

ORIGINAL

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

RECEIVED

AUG 1 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5797

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Rimrock Prod Corp.

Address \_\_\_\_\_

Farm Deo Laurenty

Well No. Cassidy #1

District Grant County Rit

Drilling commenced 8-25-82

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 350' feet \_\_\_\_\_ feet

Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

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

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_

NAME OF SERVICE COMPANY \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Drillers' Names Bob Kiser / Michael Porter / Ermer Hovchin

Remarks: F.W.A. Drilling Co. Inc. Rig 13 total Pusher Robert Boggs

Move in on 8-25-82 rig up

Conductor 15' long

735' deep at time of visit

8-26-82

DATE

Samuel N. Newman 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.

04/12/2024  
DISTRICT WELL INSPECTOR

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

RECEIVED

AUG 31 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5797

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Pimrock Prod. Corp.  
 Address \_\_\_\_\_  
 Farm Des. Laurenty  
 Well No. Cassidy # 1  
 District Grant County Pit  
 Drilling commenced 8-25-82  
 Drilling completed \_\_\_\_\_ Total depth \_\_\_\_\_  
 Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_  
 Initial open flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
 Open flow after tubing \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
 Volume \_\_\_\_\_ Cu. Ft.  
 Rock pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
 Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
 Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
 Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

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

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_  
 NAME OF SERVICE COMPANY \_\_\_\_\_  
 COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Drillers' Names \_\_\_\_\_

Remarks: on 8-27-82 Ran 1104' of 8 5/8 casing used 325 sacks  
Plug down at 9:30 A.M. - Halliburton C.T.S.  
oil show at 2070'

8-28-82  
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

FEB 1 - 1983

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5797

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Rimrock Prod. Corp.

Address \_\_\_\_\_

Farm Des. Lowrenty

Well No. Cassiday #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 3/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_

NAME OF SERVICE COMPANY \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Drillers' Names \_\_\_\_\_

Remarks: *Received phone call from Welcome Joy "Landowner" about condition of road traveled by Rimrock and Kaiser Exploration + Mining Co. Permit # 85-5796 through property to above wells. Inspected road today, found it should be improved called Rimrock Office and left instructions for them and Ken Gos to work out situation between them and Welcome Joy.*

1-26-83

DATE

*Samuel H. He...* **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

DISTRICT WELL INSPECTOR  
**04/12/2024**

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

**RECEIVED**  
 DEC 5 - 1983  
 OIL & GAS DIVISION  
 DEPT. OF MINES

Permit No. 47-085-5797 County Ritchie  
 Company Rimrock Prod. Corp. Farm Cassidy  
 Inspector Samuel Hersman Well No. Cassidy #1  
 Date 11-30-83

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	✓	—

COMMENTS: OK to Release

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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 H. Hersman  
 DATE: 11-30-83

04/12/2024





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

WALTER N. MILLER  
DIRECTOR

THEODORE M. STREIT  
ADMINISTRATOR

December 27, 1983

Rimrock Production Corporation  
4424 B Emerson Avenue  
Parkersburg, W. Va. 26104  
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-5735	Homer Nichols, et al, A #1	Grant
RIT-5797	D.M.Lawrentz/Cassidy #1	Grant
RIT-5956	Richard S. Devereux, #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  
Dept. Mines-Office of Oil & Gas

TMS/

04/12/2024

U.S. DEPARTMENT OF ENERGY  
Federal Energy Regulatory Commission  
Washington, D.C. 20426

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA) - - - - -**  
(Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM:

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 270.103. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination:

<u>Section of NGPA</u>	<u>Category Code</u>	<u>Description</u>
102	1	New OCS Lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1,000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS Lease
403	-	New onshore production well
107	-	High cost natural gas
108	-	Stripper well

Other Purchasers/Contracts:

<u>Contract Date</u> (Mo. Day Yr.)	<u>Purchaser</u>	<u>Buyer Code</u>
	Columbia Gas Transmission Corporation	004030
	P.O. Box 1273	
	Charleston, WV 25325	

Remarks:

1.0 API well number: (If not available, leave blank. 14 digits.)	47-085-5797																																
2.0 Type of determination being sought (Use the codes found on the front of this form.)	107 Section of NGPA																																
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	4820 feet																																
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<table style="width:100%; border: none;"> <tr> <td colspan="3" style="text-align: center;">Rimrock Production Corporation</td> </tr> <tr> <td style="width:60%;">Name</td> <td colspan="2" style="text-align: right;">Seller Code</td> </tr> <tr> <td colspan="3">4424 "B" Emerson Ave.</td> </tr> <tr> <td>Street</td> <td colspan="2"></td> </tr> <tr> <td>Parkersburg,</td> <td style="text-align: center;">WV</td> <td style="text-align: center;">26101</td> </tr> <tr> <td>City</td> <td style="text-align: center;">State</td> <td style="text-align: center;">Zip Code</td> </tr> </table>	Rimrock Production Corporation			Name	Seller Code		4424 "B" Emerson Ave.			Street			Parkersburg,	WV	26101	City	State	Zip Code														
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5.0 Location of this well: (Complete (a) or (b).)	<table style="width:100%; border: none;"> <tr> <td colspan="2" style="text-align: center;">Dog Comfort Run</td> </tr> <tr> <td style="width:60%;">Field Name</td> <td style="text-align: right;">State</td> </tr> <tr> <td colspan="2">Ritchie County</td> </tr> <tr> <td>County</td> <td style="text-align: right;">WV</td> </tr> <tr> <td colspan="2"></td> </tr> <tr> <td colspan="2">Area Name</td> </tr> <tr> <td colspan="2" style="text-align: right;">Block Number</td> </tr> <tr> <td colspan="2" style="text-align: center;">Date of Lease:</td> </tr> <tr> <td colspan="2" style="text-align: center;"> <table style="margin: auto; border: none;"> <tr> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> </tr> <tr> <td style="text-align: center;">Mo.</td> <td style="text-align: center;">Day</td> <td style="text-align: center;">Yr.</td> <td colspan="3"></td> </tr> </table> </td> </tr> <tr> <td colspan="2" style="text-align: right;">OCS Lease Number</td> </tr> </table>	Dog Comfort Run		Field Name	State	Ritchie County		County	WV			Area Name		Block Number		Date of Lease:		<table style="margin: auto; border: none;"> <tr> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> </tr> <tr> <td style="text-align: center;">Mo.</td> <td style="text-align: center;">Day</td> <td style="text-align: center;">Yr.</td> <td colspan="3"></td> </tr> </table>								Mo.	Day	Yr.				OCS Lease Number	
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(a) For onshore wells (35 letters maximum for field name.)	(b) For OCS wells:																																
(c) Name and identification number of this well: (35 letters and digits maximum.)	Cassidy #1																																
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)																																	
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	<table style="width:100%; border: none;"> <tr> <td colspan="2" style="text-align: center;">Columbia Gas Transmission Corporation 004030</td> </tr> <tr> <td style="width:60%;">Name</td> <td style="text-align: right;">Buyer Code</td> </tr> </table>	Columbia Gas Transmission Corporation 004030		Name	Buyer Code																												
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Mo.	Day	Yr.																															
(c) Estimated annual production:	38.32 MMcf.																																
	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:25%;"></th> <th style="width:15%;">(a) Base Price (\$/MMBTU)</th> <th style="width:15%;">(b) Tax</th> <th style="width:20%;">(c) All Other Prices [Indicate (+) or (-).]</th> <th style="width:25%;">(d) Total of (a), (b) and (c).</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">7.0 Contract price: (As of filing date. Complete to 3 decimal places.)</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> </tr> <tr> <td style="padding: 5px;">8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> </tr> </tbody> </table>		(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c).	7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	-----	-----	-----	-----	8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	-----	-----	-----	-----																	
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9.0 Person responsible for this application:	<table style="width:100%; border: none;"> <tr> <td style="width:60%; text-align: center;">Robert L. Murdock</td> <td style="text-align: right;">President</td> </tr> <tr> <td style="border: none;">Name</td> <td style="border: none;">Title</td> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td colspan="2" style="border: none;">Signature</td> </tr> <tr> <td style="text-align: center;">9-29-82</td> <td style="text-align: right;">428-1520</td> </tr> <tr> <td colspan="2" style="border: none;">Date Application is Completed</td> </tr> <tr> <td colspan="2" style="border: none; text-align: right;">Phone Number 04/12/2024</td> </tr> </table>	Robert L. Murdock	President	Name	Title			Signature		9-29-82	428-1520	Date Application is Completed		Phone Number 04/12/2024																			
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Agency Use Only

Date Received by Juris. Agency

SEP 30 1982

Date Received by FERC

PARTICIPANTS:

DATE: JAN 24 1983

BUYER-SELLER CODE

WELL OPERATOR: Rimrock Production Corp.  
FIRST PURCHASER: Columbia Gas Trans. Corp.  
OTHER: \_\_\_\_\_

\_\_\_\_\_  
004030  
\_\_\_\_\_

W. Va. Department of Mines, Oil & Gas Division  
WELL DETERMINATION FILE NUMBER  
92 09 30 - 107-085-5797  
Use Above File Number on all Communications  
Relating to Determination of this Well

QUALIFIED

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121  Items not completed - Line No. 411704910
- 2. IV-1 Agent  Robert L. Murdock
- 3. IV-2 Well Permit
- 4. IV-6 Well Plat
- 5. IV-35 Well Record  Drilling  Deepening
- 6. IV-36 Gas-Oil Test: Gas Only  Was Oil Produced?  Ratio
- 7. IV-39 Annual Production  years
- 8. IV-40 90 day Production  Days off line:
- 9. IV-48 Application for certification. Complete?
- 10-17. IV Form 51 - 52 - 53 - 54 - (55) - 56 - 57 - 58 Complete?  Affidavit Signed
- 18-28. Other: Survey \_\_\_\_\_ Logs \_\_\_\_\_ Geological Charts \_\_\_\_\_  
Structure Map \_\_\_\_\_ 1: 4000 Map \_\_\_\_\_ Well Tabulations \_\_\_\_\_  
Gas Analyses \_\_\_\_\_
- (5) Date commenced: 9-25-82 Date completed 5-31-82 Deepened
- (5) Production Depth: 2600-4820
- (5) Production Formation: Devonian Shale
- (5) Final Open Flow: 105 MCF
- (5) After Frac. R. P. 775# 8 hrs.
- (6) Other Gas Test: \_\_\_\_\_
- (7) Avg. Daily Gas from Annual Production: \_\_\_\_\_
- (8) Avg. Daily Gas from 90-day ending w/1-120 days \_\_\_\_\_
- (8) Line Pressure: \_\_\_\_\_ PSIG from Daily Report
- (5) Oil Production: \_\_\_\_\_ From Completion Report \_\_\_\_\_
- 10-17. Does lease inventory indicate enhanced recovery being done No
- 10-17. Is affidavit signed?  Notarized?
- Does official well record with the Department confirm the submitted information? Yes
- Additional information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_
- Was Determination Objected to \_\_\_\_\_ By Whom? \_\_\_\_\_

04/12/2024

8-9

Assignment being renewed by Karen Swadley

THIS ASSIGNMENT, made this 6 day of March, 1982, by and between WALTER C. CRANE dba NORTH HILLS INVESTMENT COMPANY, a West Virginia General Partnership, whose address is Harrisville, West Virginia, hereinafter called ASSIGNOR, and RIMROCK PRODUCTION CORPORATION, a West Virginia Corporation, whose address is 4424 B Emerson Avenue, Parkersburg, West Virginia 26101, hereinafter called ASSIGNEE.

W I T N E S S E T H :

That for and in consideration of the sum of One Dollar (\$1.00), cash in hand paid, and other good and valuable consideration, the receipt of all of which is hereby acknowledged, the ASSIGNOR herein does hereby sell, assign, grant and convey unto the said RIMROCK PRODUCTION CORPORATION, its successors and assigns, subject to the terms, conditions and reservations herein contained, the following oil and gas lease and Leasehold Estate thereby created as granted by Deo Lawrentz and Rosalind Lawrentz, his wife, to Walter C. Crane by document dated the 28th day of January, 1982, and of record in the Office of the Clerk of the County Commission of Ritchie County, West Virginia, in Lease Book No. 141 at page 409 thereof, which lease covers a tract of real estate situate on Dog Comfort, Grant District, Ritchie County, West Virginia, bounded as follows:

- On the North by lands of Harrison J., Hilda and David E. Robinson
  - On the East by lands of Harvey Joy Heirs, L. N. Joy Heirs and Lester W. Stonestreet
  - On the South by lands of Harold Payne, Edna Smith and Clara Sinord
  - On the West by lands of Welcome S. Joy
- Containing 32 acres, more or less.

This Assignment is made subject to all the royalty, terms, provisions and covenants set out and being a part of the original oil and gas lease described herein.

KAREN SWADLEY  
ATTORNEY AT LAW  
210 E. MAIN STREET  
HARRISVILLE,  
WEST VIRGINIA  
26362  
4) 643-2650

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OIL & GAS DIVISION  
DEPT. OF MINES

WELL CLASSIFICATION FORM  
HIGH COST GAS WELL - DEVONIAN SHALE  
NGDA Section 107

DESIGNATED AGENT Robert L. Murdock

ADDRESS 4424 "B" Emerson Ave.

Parkersburg, WV 26101

WELL OPERATOR Rimrock Production Corp.

LOCATION: Elevation 1086'

ADDRESS 4424 Emerson Ave.

Watershed Dog Comfort Run

Parkersburg, WV 26101

Dist Grant County Ritchie Quad Ellenboro

GAS PURCHASER Columbia Gas Transmission

Gas Purchase Contract No. \_\_\_\_\_

ADDRESS P.O. Box 1273

Meter Chart Code \_\_\_\_\_

Charleston, WV 25325

Date of Contract \_\_\_\_\_

Date surface drilling began: August 25, 1982

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

AFFIDAVIT

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

Robert L. Murdock

STATE OF WEST VIRGINIA.

COUNTY OF WOOD TO WIT.

I, Candace O. Thompson, Notary Public in and for the state and county aforesaid do certify that Robert L. Murdock whose name is signed to the writing above, bearing date the 29 day of September, 1982, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 29 day of September, 1982

My term of office expires on the 19 day of November, 1991.

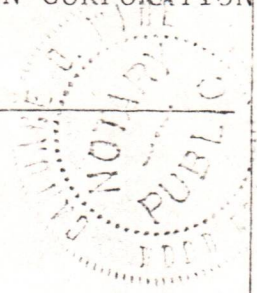
Candace O. Thompson  
Notary Public  
Commissioned as Wine

[NOTARIAL SEAL]

STATE OF WEST VIRGINIA,  
COUNTY OF WOOD, TO-WIT:

The foregoing instrument was acknowledged before me this  
10 day of March, 1982, by ROBERT L. MURDOCK, President of RIMROCK  
PRODUCTION CORPORATION, on behalf of RIMROCK PRODUCTION CORPORATION.

Candace D. Wine  
Notary Public, Wood County,  
West Virginia



My Commission expires

Nov. 19, 1991

This instrument was prepared by Karen Swadley, Attorney at Law,  
210 East Main Street, Harrisville, West Virginia 26362.

KAREN SWADLEY  
ATTORNEY AT LAW  
210 EAST MAIN STREET  
HARRISVILLE,  
WEST VIRGINIA  
26362  
643-2650

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OIL & GAS DIVISION  
DEPT. OF MINES

This Assignment shall remain in force for a term of 120 days from date hereof and as long thereafter as oil or gas or either of them is produced from the premises by the ASSIGNEE, its heirs or assigns.

The ASSIGNOR reserves the right to enter upon any part of the premises to explore for or to produce oil and gas in any geological formation below the depth of the deepest well drilled during the 120 day term of this Assignment. It is specifically understood that the ASSIGNOR herein may explore for or produce oil and/or gas in any geological formation below such depth without the participation of the ASSIGNEE, its heirs or assigns.

SAVING, EXCEPTING AND RESERVING unto the ASSIGNOR herein, free of cost, a 3/32 overriding royalty to be paid from all the oil and gas produced from any wells hereafter drilled by the ASSIGNEE, its heirs or assigns on the above described Leasehold Estate.

WITNESS the following signatures and seals.

NORTH HILLS INVESTMENT COMPANY, a West Virginia General Partnership,

By Walter C. Crane (SEAL)  
Walter C. Crane, a General Partner

RIMROCK PRODUCTION CORPORATION, a West Virginia Corporation,

By Robert L. Murdock (SEAL)  
Robert L. Murdock, its President

STATE OF WEST VIRGINIA,  
COUNTY OF RITCHIE, TO-WIT:

The foregoing instrument was acknowledged before me this 6th day of March, 1982, by WALTER C. CRANE, a General Partner, on behalf of NORTH HILLS INVESTMENT COMPANY.

My Commission expires

June 11 199

Bethel Allen  
Notary Public, Ritchie County,  
West Virginia

04/12/2024

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AREN SWADLEY  
TORNEY AT LAW  
E MAIN STREET  
HARRISVILLE,  
WEST VIRGINIA  
26362  
O4) 643-2650