

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: 2078' Watershed: Big Laurel Run
District: Rearing Creek County: Randolph Quadrangle: Junior

WELL OPERATOR FMF Oil and Gas Properties, Inc. DESIGNATED AGENT Paul Bowles
Address 537 Springdale Rd. Address P.O. Box 1386
Great Falls, Va. 22066 Charleston, W.Va. 25325

OIL & GAS ROYALTY OWNER Armand Ricottilli COAL OPERATOR _____
Address Box 25 Star Route Address _____
Coalton, W.Va.

ACREAGE 90.3 COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER Armand Ricottilli Name Armand Ricottilli
Address (Same) Address (Same)

ACREAGE 90.3 FIELD SALE (IF MADE) TO: _____
Name _____ JUN 18 1981
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED COAL LESSEE WITH DECLARATION ON RECORD:
Name Robert Stewart Name AMAX Coal Co.
Address P.O. Box 345 Address 105 South Meridian St.
Fane Lew, W.Va. 26378 Indianapolis, Indiana
46225

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract dated 14 Jan, 19 72, to the undersigned well operator from Amoco

[If said deed, lease, or other contract has been recorded:]
Recorded on Jan 25, 19 72, in the office of the Clerk of the County Commission of Randolph County, West Virginia, in Deed Book 276 at page 311. 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.

03/15/2024

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

BLANKET BOND

FMF Oil and Gas Properties, Inc.
Well Operator
By Alvin Sauer
Its Petroleum Engr.

[08-78]

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, Fox

Estimated depth of completed well, 5400 feet Rotary XX / Cable tools /

Approximate water strata depths: Fresh, ? feet; salt, ? feet.

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

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 | | |
| Conductor | 11 3/4" | | | X | | 20 | 20 | Kinds |
| Fresh water | | | | | | | | |
| Coal | | | | | | | | Sizes |
| Intermediate | 8 5/8" | | 20# | X | | 900 | 900 | To Surface |
| Production | 4 1/2" | | 10 1/2# | X | | 5400 | 5400 | 540 SKS Depths set |
| Tubing | | | | | | | | or as reqd |
| Liners | | | | | | | | by rule WSP Perforations: |
| | | | | | | | | Top Bottom |

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, of the W. Va. Code, the location is hereby approved

for drilling. This permit shall expire if operations have not commenced by 2-23-82.

J. H. Huggins
Deputy Director - Oil & Gas Division

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:

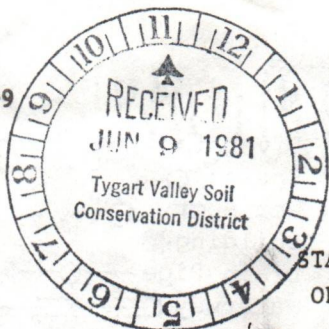
W A I V E R

The undersigned coal operator / owner XXX / 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 applicable requirements of the West Virginia Code and the governing regulations.

08/15/2024

Date: _____, 19____

Armand Ricottelli
By _____
Its _____



Date 13 May 1981
Well No. FMF 81-22
API No. 47 - 083 - 0485
State County Permit

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS

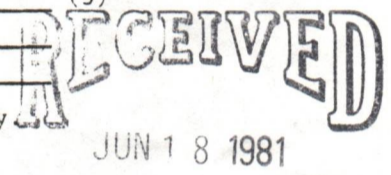
Company Name FMF Oil & Gas Properties Designated Agent Paul Bowles
Address 537 Springdale Rd., Great Falls, Va. 22066 Address P.O. Box 1386 Charleston W. Va. 25325
Telephone 918 - 492 - 3656 Telephone 304 - 344 - 9621
Landowner _____ Soil Cons. District Tygart Valley

Revegetation to be carried out by Operator (Agent)

This plan has been reviewed by Tygart Valley SCD. All corrections and additions become a part of this plan. 6-10-81 (Date) James H. Hefner (SCD Agent)

| Access Road | Location |
|--|-----------------------------------|
| Structure <u>Culvert</u> (A) | Structure <u>Diversion</u> (1) |
| Spacing <u>12" Dia. Min. (As needed)</u> | Material <u>Soil</u> |
| Page Ref. Manual <u>1-1</u> | Page Ref. Manual <u>1-9</u> |
| Structure <u>Open Ditch</u> (B) | Structure <u>Drilling Pit</u> (2) |
| Spacing <u> </u> | Material <u>Soil</u> |
| Page Ref. Manual <u>1-11</u> | Page Ref. Manual <u> </u> |
| Structure <u>Cross Relief Drains</u> (C) | Structure <u>Silt trap</u> (3) |
| Spacing <u>as needed</u> | Material <u>Soil</u> |
| Page Ref. Manual <u>1-4</u> | Page Ref. Manual <u> </u> |

All structures should be inspected regularly and repaired if necessary



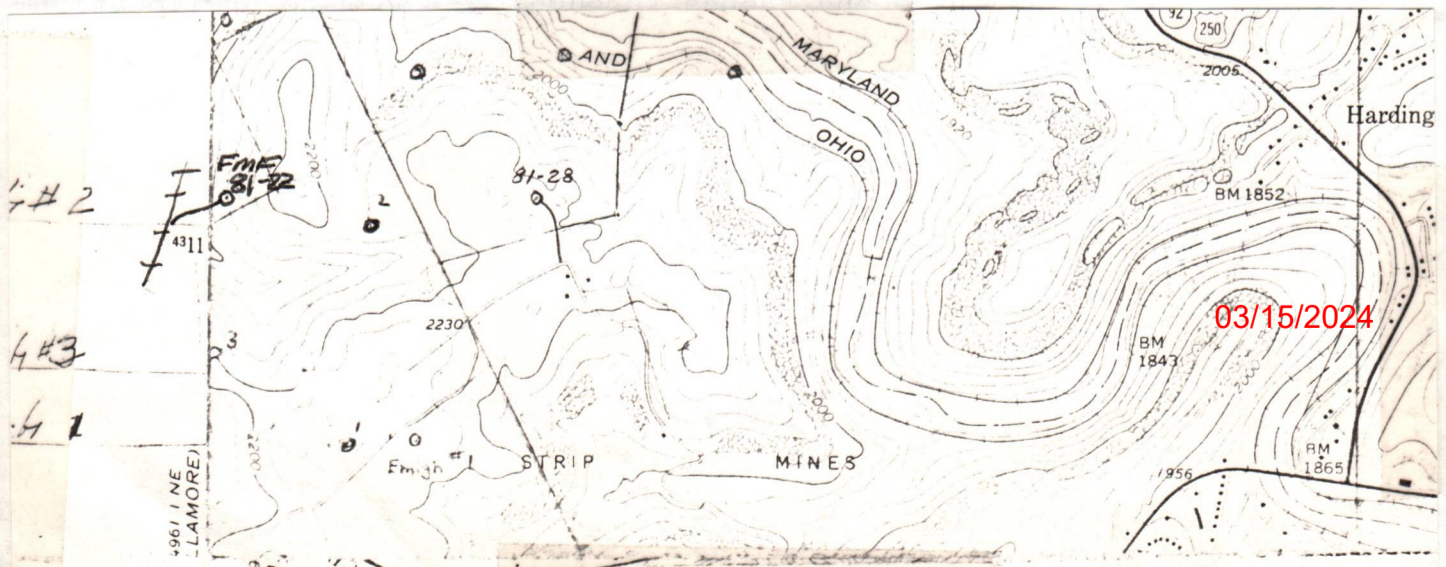
Revegetation

| Treatment Area I | Treatment Area II |
|--|--|
| Lime <u>3</u> Tons/acre or correct to pH <u>6.5</u> | Lime <u>3</u> Tons/Acre or correct to pH <u>6.5</u> |
| Fertilizer <u>600</u> lbs/acre (10-20-20 or equivalent) | Fertilizer <u>600</u> lbs/acre (10-20-20 or equivalent) |
| Mulch <u>Hay</u> <u>2</u> Tons/Acre | Mulch <u>Hay</u> <u>2</u> Tons/Acre |
| Seed* <u>Ky 31 Tall Fescue</u> <u>30</u> lbs/acre | Seed* <u>Ky 31 Tall Fescue</u> <u>30</u> lbs/acre |
| <u>Birdsfoot Trefoil</u> <u>10</u> lbs/acre | <u>Birdsfoot Trefoil</u> <u>10</u> lbs/acre |
| <u>Domestic Ryegrass</u> <u>10</u> lbs/acre | <u>Domestic Ryegrass</u> <u>10</u> lbs/acre |

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

Attach or photocopy section of involved Topographic map. Quadrangle Junior

Legend: Well Site
 Access Road



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

1st Stage - Fox and Haverty 4,000# 20/40, 209 BBL S/L Fluid

2nd Stage - 1st Elk, 2nd Elk, 3rd Elk

10,000# 80/100

64,000# 20/40 620 BBL S/L Fluid

3rd Stage - Benson and 3rd Riley

10,000# 80/100

73,500# 20/40 720 BBL S/L Fluid

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|--------------------|-------|--------------|---------------------------------------|-------------|---|
| | | | | | Including indication of all fresh and salt water, coal, oil and gas |
| Coal | | | 438' | 441' | Hole wet @ 90' |
| Coal | | | 587' | 593' | |
| Little Lime | | | 1135' | 1155' | |
| Red Rock and Shale | | | 1155' | 1195' | |
| Lime | | | 1195' | 1348' | |
| Sand and Lime | | | 1348' | 1444' | |
| Sand and Shale | | | 1444' | 1446' | |
| Shale | | | 1446' | 1510' | |
| Sand and Shale | | | 1510' | 1541' | |
| Shale | | | 1541' | 1642' | Gas Check @ 1635' - No Show |
| Sand and Shale | | | 1642' | 1665' | |
| Shale | | | 1665' | 1820' | |
| Sand | | | 1820' | 1850' | |
| Shale | | | 1850' | 1930' | |
| Sand | | | 1930' | 1950' | |
| Shale and Sand | | | 1590' | 2330' | |
| Sand | | | 2330' | 2345' | |
| Sand and Shale | | | 2345' | 2640' | |
| Sand | | | 2640' | 2660' | |
| Sand and Shale | | | 2660' | 2686' | |
| Balltown | | | 2686' | 2698' | Gas Check @ 2695' - No Show |
| Sand and Shale | | | 2698' | 2790' | |
| Shale | | | 2790' | 2825' | |
| Sand and Shale | | | 2825' | 2980' | |
| Sand | | | 2980' | 2995' | |
| Sand and Shale | | | 2995' | 3155' | Gas Check @ 3100' 2/10 thru 2" |
| Shale | | | 3155' | 3180' | |
| Sand and Shale | | | 3180' | 3228' | |
| Shale | | | 3228' | 3242' | |
| Sand and Shale | | | 3242' | 3350' | |
| Shale | | | 3350' | 3362' | |
| Sand and Shale | | | | 3362' | |
| Sand | | | 3770 | 3785' | |
| Sand and Shale | | | 3785' | 4762' | Gas Check @ 4008' - Odor. No Reading 1' |
| Shale | | | 4762' | 5023' | |
| Sand and Shale | | | 5023' | 5084' | |
| Sand | | | 5084' | 5329' | |
| Total Depth | | 5329' | (Attach separate sheets as necessary) | | |

FMF OIL AND GAS PROPERTIES, INC.

Well Operator

By: *[Signature]*

Date: Its Consultant 3-01-82

03/15/2024

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."

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MAR 03 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES



IV-35
(Rev 8-81)

State of West Virginia

Department of Mines

Oil and Gas Division

Date 2/11/82

Operator's

Well No. #81-22

Farm Ricottilli

API No. 47 - 083 - 0485

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 2078' Watershed Big Laurel Run
District: Roaring Creek County Randolph Quadrangle Junior 7 1/2'

COMPANY FMF Oil and Gas Properties, Inc.
ADDRESS 537 Springvale Road, Great Falls, VA 22066
DESIGNATED AGENT Paul Bowles
ADDRESS P. O. Box 1386, Charleston, WV 25325
SURFACE OWNER Armond Ricottilli
ADDRESS Box 25 Star Route, Coalton, West Virginia
MINERAL RIGHTS OWNER Armond Ricottilli
ADDRESS Box 25 Star Route, Coalton, West Virginia
OIL AND GAS INSPECTOR FOR THIS WORK Robert Stewart
ADDRESS P. O. Box 345, Jane Lew, WV 26378

PERMIT ISSUED 5/23/81
DRILLING COMMENCED 1/19/82
DRILLING COMPLETED 1/27/82

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

| Casing & Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. |
|------------------|------------------|--------------|------------------------|
| Size 20-16 Cond. | 19' | Pulled | 0 |
| 13-10" | | | |
| 9 5/8 | | | |
| 8 5/8 | | 915' | 295 FT3 |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | 5164' | 966 Fts |
| 3 | | | |
| 2 | | | |
| Liners used | | | |

GEOLOGICAL TARGET FORMATION Fox Depth 5400 feet
Depth of completed well 5329 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 90 feet; Salt 260 feet
Coal seam depths: 438' - 587' Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Fox, Haverty Pay zone depth 5038-5044 feet
4827-4980 feet
Gas: Initial open flow Odor Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 996 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1575 psig (surface measurement) after _____ hours shut in
(If applicable due to multiple completion--)
3947-4304'
3669 **03/15/2024**
Second producing formation Elk, Benson, Riley Pay zone depth 3527-3587' 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

INSPECTOR'S WELL REPORT

Permit No. 083-0485

Oil or Gas Well GAS
(KIND)

| Company | CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
|--------------------------------------|---|------------------|--------------|----------------|
| <u>ENF oil & GAS</u> | Size | | | |
| <u>Belington</u> | 16 | | | Kind of Packer |
| <u>ARNAND Ricottilli</u> | 13 | | | |
| <u>81-22</u> | 10 | | | Size of |
| <u>ROARING Creek County RANDOLPH</u> | 8 1/4 | | | |
| <u>1-19-82</u> | 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 EASTERN OVERTHRUST RIG - 2

RECEIVED

Remarks: move RIG SPUD

JAN 21 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

1-19-82
DATE

Robert Stewart 511
DISTRICT WELL INSPECTOR

03/15/2024

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

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

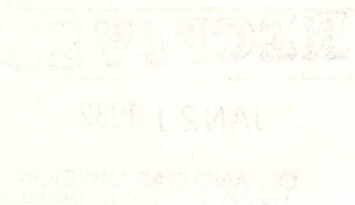
FARM _____ DISTRICT _____ COUNTY _____

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 |
| | | | | | | | | |
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Drillers' Names _____

Remarks: _____



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

DATE

03/15/2024

DISTRICT WELL INSPECTOR

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

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MAY 23 1983

INSPECTOR'S WELL REPORT

Permit No. 083-0485

OIL & GAS DIVISION
DEPT. OF MINES
Oil or Gas Well (KIND)

Company FMF oil & Gas
 Address Belington
 Farm A Ricottilli
 Well No. 81-22
 District Roaring Creek County RANDOLPH
 Drilling commenced 1-19-82
 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 _____

Remarks:
O.K. To Release

5-19-83

DATE

Robert Stewart 511
03/15/2024
DISTRICT WELL INSPECTOR



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

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

June 1, 1983

FMF Oil & Gas Properties, Inc.
P. O. Box 458
Belington, W. Va. 26250

In Re: PERMIT NO: 47-083-0485

FARM: Arnold Ricottilli

WELL NO: 81-22

DISTRICT: Roaring Creek

COUNTY Randolph

Gentlemen:

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

_____ The well designated by the above permit number has been released under your Blanket Bond.

_____ 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.

XXXXXX 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. Mines

TMS/

03/15/2024