

RECEIVED

JUL 26 1984



1) Date: 25 July, 1984
2) Operator's Well No. Boserman # 1
3) API Well No. 47 - 083 - 0932
State County Permit

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

OIL & GAS DIVISION
DEPT. OF MINES

APPLICATION FOR A WELL WORK PERMIT

- 1) WELL TYPE: Gas XXX
B (If "Gas", Production XX / Underground storage / Deep / Shallow XXX /)
5) LOCATION: Elevation: 2373 Watershed: Roaring Creek (MT 42)
District: Roaring Cree 8 County: Randolph Quadrangle: Junior 7.5 412
6) WELL OPERATOR: FMF Oil & Gas Properties 1750 7) DESIGNATED AGENT: Paul Bowles
Address: P.O. Box 458 Belington, WV 26250
Address: P.O. Box 1386 Cahrleston, WV 25325
8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name Phillip Tracy
Address: Forrest Festival Terrace Apt 24 Elkins WV 26241
9) DRILLING CONTRACTOR: Name Fox Drilling Co Inc
Address: P.O. Box 129 Glenville, WV 26351
10) PROPOSED WELL WORK: Drill XXX / Drill deeper / Redrill / Stimulate X
Plug off old formation / Perforate new formation
Other physical change in well (specify)
11) GEOLOGICAL TARGET FORMATION, fox sand
12) Estimated depth of completed well, 5500' feet
13) Approximate trata depths: Fresh, 80-120 feet; salt, feet.
14) Approximate coal seam depths: 160 Is coal being mined in the area? Yes / No XX
15) CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft., New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, Perforations: Top, Bottom). Includes handwritten notes like 'To Surf by rule 15.05 475 sx or as req. by rule 15.01'.

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-083-0932 Date July 26, 1984

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires July 26, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Table with columns: Bond (63), Agent (check), Plat (MH), Casing (MH), Fee (9333)

Margaret J. Hasse
Administrator, Office of Oil and Gas

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

RECEIVED

JUL 26 1984

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason:

Reason:

1) Date: 25 July 1984, 19
2) Operator's Well No. Boserman # 1
3) API Well No. 47-083-0932
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

(i) Name Minnie Boserman
Address Star Route
Mabie, WV 26278
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR
Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Minnie Boserman (N/A) No
Address Star Route
Mabie WV 26278 *Rec'd*

Name _____
Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

6) EXTRACTION RIGHTS

Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by
Mark P Smythe

this 25 day of July, 19 84.
My commission expires 4/10, 19 90.

[Signature]
Notary Public, _____ County,
State of WEST VIRGINIA

WELL OPERATOR EMF Oil & Gas Properties
By Mark P Smythe
Its Land Manager
Address P.O. Box 458
Belington WV 26250
Telephone 823 3242

RECEIVED
JUL 26 1984
OIL & GAS DIVISION
DEPT. OF MINES



1) Date: 25 July, 19 84
 2) Operator's Well No. Boyerman # 1 - 0931
 3) API Well No. 47 083
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas XXX /
 B (If "Gas", Production XX / Underground storage / Deep / Shallow XXX /)
- 5) LOCATION: Elevation: 2373 Watershed: Roaring Creek
 District: Roaring Cree County: Randolph Quadrangle: Junior 7.5
- 6) WELL OPERATOR PMF Oil & Gas Properties
 Address P.O. Box 458
Belington, WV 26250
- 7) DESIGNATED AGENT Paul Bowles
 Address P.O. Box 1386
Charleston, WV 25325
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Phillip Tracy
 Address Forrest Festival Terrace Apt 24
Elkins WV 26241
- 9) DRILLING CONTRACTOR:
 Name Fox Drilling Co Inc
 Address P.O. Box 129
Chanville, WV 26351
- 10) PROPOSED WELL WORK: Drill XXX / Drill deeper / Redrill / Stimulate X /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, fox sand
- 12) Estimated depth of completed well, 5500' feet
- 13) Approximate trata depths: Fresh, 80-120 feet; salt, feet.
- 14) Approximate coal seam depths: 160 Is coal being mined in the area? Yes / No XX /

15) 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	<u>11.75</u>			<u>X</u>		<u>30'</u>	<u>30'</u>		Kinds
Fresh water									
Coal									Sizes
Intermediate	<u>8 5/8</u>	<u>J55</u>	<u>23</u>	<u>X</u>		<u>950'</u>	<u>950</u>	<u>To Surf</u>	
Production	<u>4 1/2</u>	<u>J55</u>	<u>10.5</u>	<u>X</u>			<u>5500'</u>		Depths set
Tubing									
Liners									Perforations:
									Top Bottom

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of the filing of the Application.

WAIVER

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: 67 , 19 By

Its

12/01/2023
 Coal Owner



IV-9
(Rev 8-81)

DATE 25 July 1984
WELL NO. BOSERMAN #1
API NO. 047 - 083 - 0932

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME FME OIL & GAS PROPERTIES DESIGNATED AGENT PAUL BOWLES
Address PO Box 458 Address PO Box 1386
Telephone Belington WV 26250 Telephone Charleston WV 25325
LANDOWNER MINNIE BOSERMAN SOIL CONS. DISTRICT TYGART VALLEY
Revegetation to be carried out by UNKNOWN (Agent)

This plan has been reviewed by Tygart Valley SCD. All corrections
and additions become a part of this plan: 7/25/84
(Date)
Junior Hedrick
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>PIPE 15"</u> (A)	Structure <u>Diversion Ditch</u> (1)
Spacing _____	Material <u>EARTHEN</u>
Page Ref. Manual <u>4.0 Pg 2-7</u>	Page Ref. Manual <u>2-12</u>
Structure <u>DRAINAGE DITCH</u> (B)	Structure _____ (2)
Spacing <u>PARALLEL</u>	Material _____
Page Ref. Manual <u>2-12</u>	Page Ref. Manual _____
Structure _____ (C)	Structure _____ (3)
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____

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DEPT. OF MINES
OIL & GAS DIVISION

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	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 2</u> Tons/acre	Mulch <u>Hay 2</u> Tons/acre
Seed* <u>ORCHARD GRASS 12</u> lbs/acre	Seed* <u>ORCHARD GRASS 12</u> lbs/acre
<u>Timothy 6</u> lbs/acre	<u>Timothy 6</u> lbs/acre
<u>clover 3</u> lbs/acre	<u>clover 3</u> lbs/acre

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

12/01/2023

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

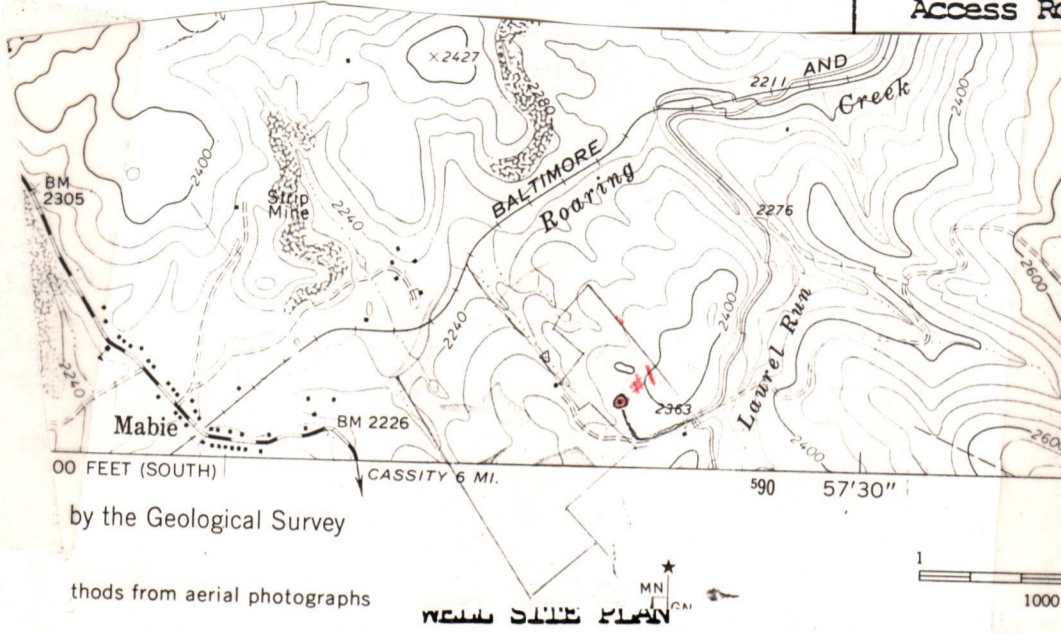
PLAN PREPARED BY Thurl Wilt
ADDRESS For Drilling Co Inc
PO Box 129 Glenville WV
PHONE NO. 402 7353

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

LEGEND

Well Site ⊕

Access Road ———

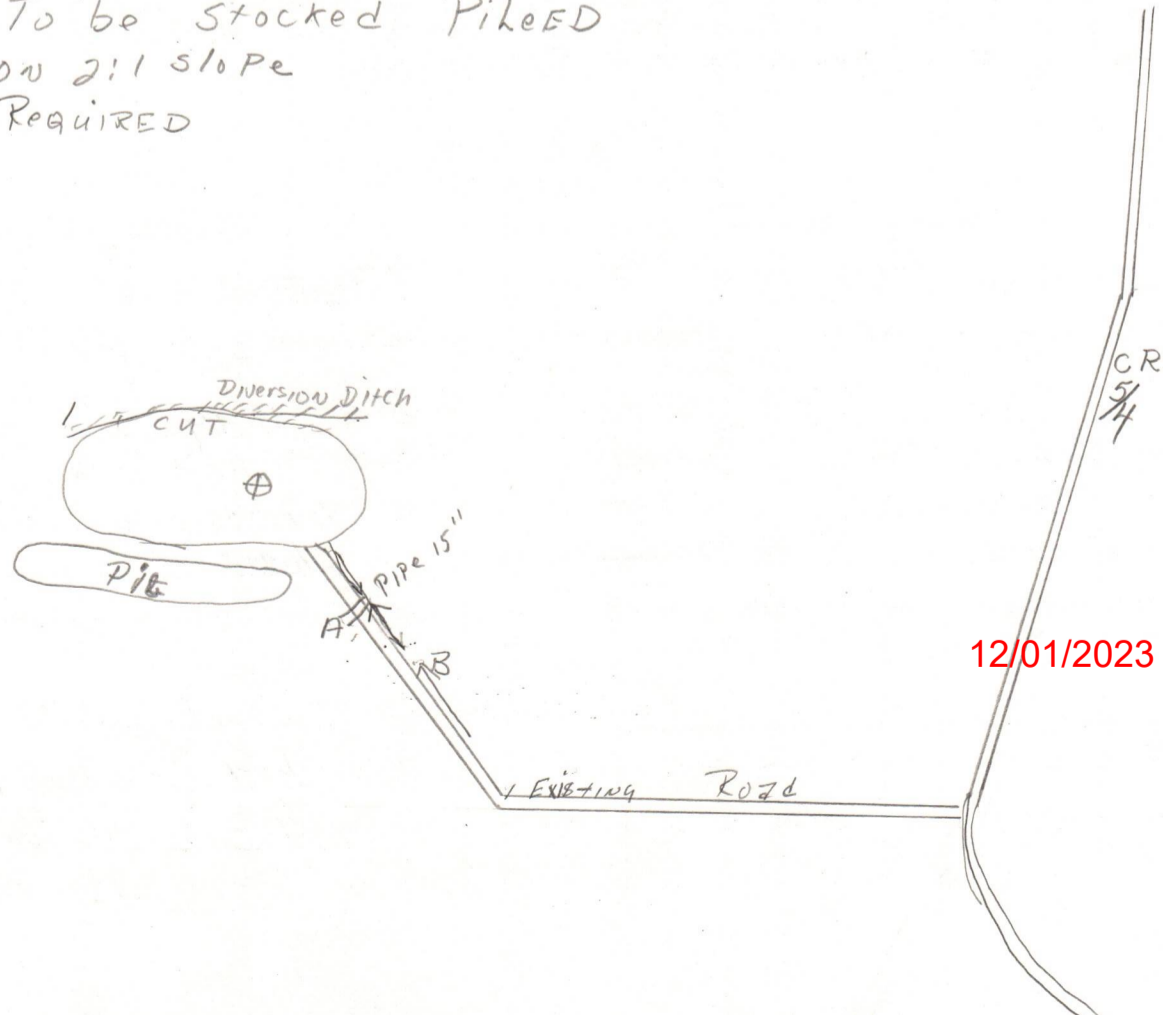


Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

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

TOP Soil To be Stocked Piled
All cuts on 2:1 slope
STONE AS REQUIRED



12/01/2023



1) Date: 25 July, 1984
 2) Operator's Well No. Baserman # 1
 3) API Well No. 47 State 082 County Permit

**STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production xxx / Underground storage / Deep / Shallow xxx /)
- 5) LOCATION: Elevation: 2373 Watershed: Roaring Creek
 District: Roaring Cree County: Randolph Quadrangle: Junior 7.5
- 6) WELL OPERATOR PMF Oil & Gas Properties 7) DESIGNATED AGENT Paul Bowles
 Address P.O. Box 458 Address P.O. Box 1386
Belington, WV 26250 Charleston, WV 25325
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Phillip Tracy Name Fox Drilling Co Inc
 Address Forrest Festival Terrace Apt. 24 Address P.O. Box 129
Elkins WV 26241 Odenville, WV 26351
- 10) PROPOSED WELL WORK: Drill xxx / Drill deeper / Redrill / Stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify)
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- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	11.75			X		30'	30'		Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8	J55	23	X		950'	950	To Surf	
Production	4 1/2	J55	10.5	X			5500'		Depths set
Tubing									
Liners									Perforations:
									Top Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 30 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: _____

x Minnie J. Baserman Date: _____
 (Signature)

By _____

 (Signature) Date: _____

Its _____ Date 7/33

RECEIVED
 JUL 26 1984
 DEPT. OF MINES, OIL & GAS DIVISION



**INSTRUCTIONS TO SURFACE OWNERS
AND
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- “(1) The proposed well work will constitute a hazard to the safety of persons; or
- “(2) The plan for soil erosion and sediment control is not adequate or effective; or
- “(3) Damage would occur to publicly owned lands or resources; or
- “(4) The proposed well work fails to protect fresh water sources or supplies.”

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

[Handwritten signature]

12/01/2023
Surface Owner

PARTIAL ASSIGNMENT
OF
OIL AND GAS LEASE

STATE OF WEST VIRGINIA
COUNTY OF BARBOUR

KNOW ALL MEN BY THESE PRESENTS:

THIS ASSIGNMENT, Made on this 9th day of September, 1984, by and between FMF OIL & GAS PROPERTIES, INC., a West Virginia corporation, hereinafter referred to as "Assignor", and ALAMCO hereinafter referred to as "Assignee".

WITNESSETH: That for and in consideration of the sum of ONE DOLLAR (1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor does hereby bargain, sell, assign, transfer, and convey, subject to the provisions hereinafter set out, without warranty of title, either express or implied, unto the Assignee, all of the Assignor's right, title and interest in and to the oil and gas rights in a 750 foot radius around the oil and gas wells drilled upon the oil, gas and mineral leases described in Exhibit A, attached hereto and made a part hereof.

Said assignment is subject to the following terms, conditions, and covenants:

Assignor does hereby except from this partial assignment, and reserve unto the Assignor, its assigns and successors, the following:

- (a) An overriding royalty, free and clear from all costs and expenses of 4.5% of 8/8 of the oil, gas and hydrocarbons produced from the interest in the leases hereby assigned, which is reserved unto Assignor.
- (b) An overriding royalty, free and clear from all costs and expenses of 1% of 8/8 of the oil, gas and hydrocarbons produced from the interest in the leases hereby assigned, which is reserved unto Fox Drilling Company.
- (c) All of Assignor's right, title and interest in and to the leases described in Exhibit A hereto, insofar as the leases cover or concern areas outside of the 750 foot radius around the well drilled thereon, and assigned hereby.

It is understood that this assignment is a conveyance of 100% of the Working Interest which covers and includes an undivided 82% of 8/8ths Net Revenue Interest in production from the oil, gas and mineral interests described herein.

Assignee agrees to indemnify Assignor, its successors, personal representatives, and assigns against any and all 12/01/2023 resulting from any breach of any of the terms, covenants, and conditions of said lease agreements described herein. Assignee further agrees to indemnify Assignor against all liabilities, actions, or claims of any nature, absolute, or contingent, together with the expenses and legal fees resulting from such breach or which may be incurred to compromise or defend such liability, actions, or claims of any nature, absolute or contingent, as they relate to said lease acreage.

ACCEPTED THIS 10TH DAY OF Dec, 1984
BY: *[Signature]*
Director - Division of Oil and Gas

API (Permit) Number

47-083-0934 ✓
47-083-0880 ✓
47-083-0882 ✓
47-083-0881 ✓
47-083-0932 ✓

Farm Name

Bozerman # 2
Pastine #1
Currence
Bucklew # 1
Bozerman # 1

Operator's Well Number

A-1018
A-1595
A-1596
A-1597
A-11621

FOR TREASURER'S OFFICE USE ONLY

FOR TREASURER'S OFFICE USE ONLY

TREASURER'S OFFICE
STATE OF WEST VIRGINIA

(Date Received)

(Date Posted)

NO. 460
(Agency Use Only)

NAME OF SPENDING AGENCY: Dept. Mines-Oil & Gas Division

PREPARED BY: Kharlotte Milam EXT. 2055 DATE PREPARED August 29, 1984

(SECTION A)

AGENCY COMMENTS	TYPE	DESCRIPTION	AMOUNT
	1	CASH	
	2	CHECKS	\$700.00
	3	DIRECT WIRES	
	4	LETTERS OF CREDIT	
	5	ADJUSTMENTS	
	6	WIRE TRANSFERS	
	7	REDEPOSIT OF STATE CHECKS	
	8	REMOTE BANK DEPOSIT	
	9	MATURING INVESTMENTS	
	10	OTHER	
		TOTAL =	\$700.00

(SECTION B)

REVENUES ONLY

Account No.	Line Item	Fund No.	Account Totals	Account No.	Line Item	Fund No.	Account Totals
8093-16	550	13	\$ 200.00				
4600-85	216	01	\$ 500.00				
SUB-TOTAL							\$700.00

(SECTION C)

REFUNDS AND REDEPOSITS ONLY

Account No.	Line Item	Fund No.	F.Y.	Account Totals	Account No.	Line Item	Fund No.	F.Y.	Account Totals
SUB-TOTAL									

12/01/2023

ORIGINAL-STATE TREASURER
GREEN-STATE AUDITOR
YELLOW-FIN. & ADM.
PINK-SPENDING AGENCY
GOLDENROD-SPENDING AGENCY

GRAND TOTAL (ALL SOURCES)

\$700.00

RECEIVED
OCT 19 1984

IV-35 OIL DIVISION
(Rev 8-81) DEPT. OF MINES



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Date October 16, 1984
Operator's
Well No. A-1621
Farm Boserman
API No. 47 - 083 - 0932

OIL and GAS DIVISION

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: 2373' Watershed Roaring Creek
District: Roaring Creek County: Randolph Quadrangle: Junior 7.5'

COMPANY FMF Oil & Gas Properties Inc.

537 Springvale Road
ADDRESS Great Falls, VA 22066

DESIGNATED AGENT Mark P. Smythe
P.O. Box 458

ADDRESS Belington, WV 26250

SURFACE OWNER Minnie Boserman

ADDRESS Star Route, Mabie, WV 26278

MINERAL RIGHTS OWNER Minnie Boserman

ADDRESS Star Route, Mabie, WV 26278

OIL AND GAS INSPECTOR FOR THIS WORK Philip
Forest Festival Terrace
Tracy ADDRESS Apt. #24, Elkins, WV 26241

PERMIT ISSUED July 26, 1984

DRILLING COMMENCED August 2, 1984

DRILLING COMPLETED August 7, 1984

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

Casing & Tubing Size Cond.	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
20-16			
11-3/4"	10'	Pulled	
9 5/8"			
8 5/8"	1032'	1032'	to surface
7"			
5 1/2"			
4 1/2"	4987'	4987'	w/700 sks 1700'
3"			
2"			
Liners used			

GEOLOGICAL TARGET FORMATION Fox Sand DEPTH 5500' FEET

Depth of completed well 5221 feet Rotary x / Cable Tools _____

Water Strata depth: Fresh 58 feet Salt _____ feet

Coal seam depth: None listed Is coal being mined in this area? No

OPEN FLOW DATA 1st Elk, Alexander, Benson,
Producing formation Riley, Balltown Pay zone depth See Back feet

Gas: Initial open flow No Show Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow 119 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 800 psig (surface measurement after 180 hours shut-in

(If applicable due to multiple completion--)

Second producing formation _____ Pay zone depth 12/01/2023 feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ Mcf/d 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)

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

Well was fractured August 15, 1984
 Perforations: 2744 - 2757 Balltown 4078 - 4081 4857 - 4860
 4114 - 4116 4868 - 4869
 3508 - 3511 4209 - 4212 4882 - 4884
 3519 - 3522 4233 - 4236 Alexander 4902 - 4894 1st Elk
 3654 - 3656
 3722 - 3724 Benson-Riley

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
			Including indication of all fresh and salt water, coal, oil and gas
Fill	0	51	1/2" stream water @ 85'
Sand & Shale	51	1260	Gas check @ 1489' No show
Little Lime	1260	1278	Gas check @ 1614' No show
Sand & Shale	1278	1336	Gas check @ 1835' No show
Big Lime	1336	1480	Gas check @ 2116' No show
Big Injun	1480	1579	Gas check @ 2682' No show
Sand & Shale	1579	1875	Gas check @ 3462' No show
Red Rock & Shale	1875	2020	Gas check @ 3586' No show
Sand & Shale	2020	5221 T.D.	Gas check @ 4118' No show Gas check @ 4935' No show

GAMMA RAY LOG TOPS

Gantz 1579'
 Gordon Stray 1818'
 Gordon 1952'
 4th Sand 1988'
 4th A Sand 2100'
 5th Sand 2126'
 Bayard 2240'
 Speechley 2322'
 Balltown 2732'
 Riley 3502'
 Benson 3650'
 Alexander 4070'
 1st Elk 4855'
 2nd Elk 4940'
 3rd Elk 5029'

(Attach separate sheets as necessary)

ALAMCO, INC., 200 W. MAIN ST., CLARKSBURG, WV 26301

Well Operator

By: Bruce A. Prather

Date: October 16, 1984

12/01/2023

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."



RECEIVED

NOV 15 1984

State of West Virginia

Department of Mines OIL & GAS DIVISION

Oil and Gas Division DEPT. OF MINES

Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
November 8, 1984

COMPANY FMF Oil & Gas Properties
537 Springvale Road
Great Falls, Virginia 22066

PERMIT NO 083-0932
FARM & WELL NO Minnie Boserman #1
DIST. & COUNTY Roaring Creek/Randolph

Mail to: P.O. Box 458 Belington, WV 26250

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 Strenght		
15.05	Cement Type		
23.02	Maintained Access Roads		
25.01	Necessary Equipment to Prevent Waste		
23.04	Reclaimed Drilling Pits		
23.05	No Surface or Underground Pollution		
23.07	Requirements for Production & Gathering Pipelines		
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings		

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Phillip Dwyer
DATE 11-13-84

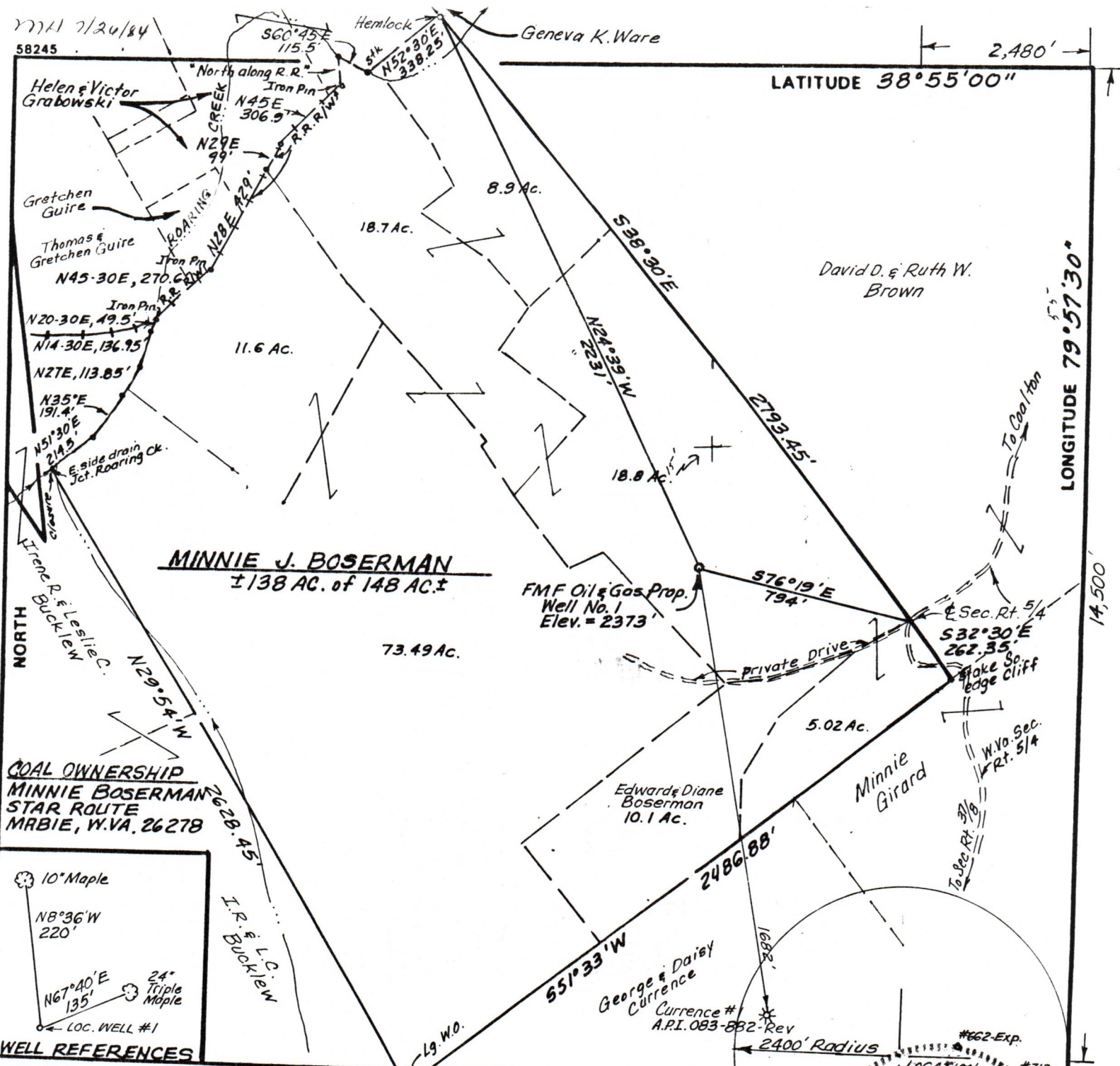
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. H. ...
Administrator-Oil & Gas Division

January 11, 1985

DATE





WELL REFERENCES

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION USGS BM RT. 37 ± 3000'
W. OF LOCATION - ELEV = 2226

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) Mark C. Echard
 MARK C. ECHARD
 R.P.E. _____ L.L.S. 490

STATE OF WEST VIRGINIA
 LICENSED SURVEYOR
 No. 490
 #882-Reg.
 STATE OF WEST VIRGINIA
 AND SURVEYOR
 PLACE SEAL HERE

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



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE JULY 25, 1984
 OPERATOR'S WELL NO. ONE
 API WELL NO. 47-083-0932
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 2373' WATER SHED ROARING CREEK
 DISTRICT ROARING CREEK COUNTY RANDOLPH
 QUADRANGLE JUNIOR 7.5'
 SURFACE OWNER MINNIE J. BOSERMAN ACREAGE 18.8 OF 138 ±
 OIL & GAS ROYALTY OWNER MINNIE J. BOSERMAN LEASE ACREAGE 18.8 OF 148 ±
 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 FOX SAND ESTIMATED DEPTH 5500'
 WELL OPERATOR FMFOIL & GAS PROPERTIES DESIGNATED AGENT MR. PAUL BOWLES
 ADDRESS P.O. BOX 458 ADDRESS P.O. BOX 1386
BELINGTON, W.VA. 26250 CHARLESTON, W.VA. 25325

12/01/2023