



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

GARREY CARRUTHERS
GOVERNOR

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

Date: 7-7-89

Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504-2088

Re: Proposed MC _____
Proposed DHC X _____
Proposed NSL _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated 6-30-89
for the M & M Production & Operation Inc Mex. Fed. A #1
Operator Lease & Well No.

F-10-24N-6W and my recommendations are as follows:
Unit, S-T-R

Approve

Yours truly,

J. S. G.

M & M Production & Operation, Inc
P.O. Box 75
Counselor, N.M. 87018
505-568-4416


June 1, 1989

Oil Conservation Division
P.O. Box 2088
Santa Fe, N.M. 87504-2088

Gentlemen,

M & M Production & Operation, Inc. would like to apply
for a commingle permit. For their well the Mexico Federal A#1
Basin Dakota and Devils Fork Gallup. Located in I Sec. 10
Township 24N Range 6W.

Sincerely yours,

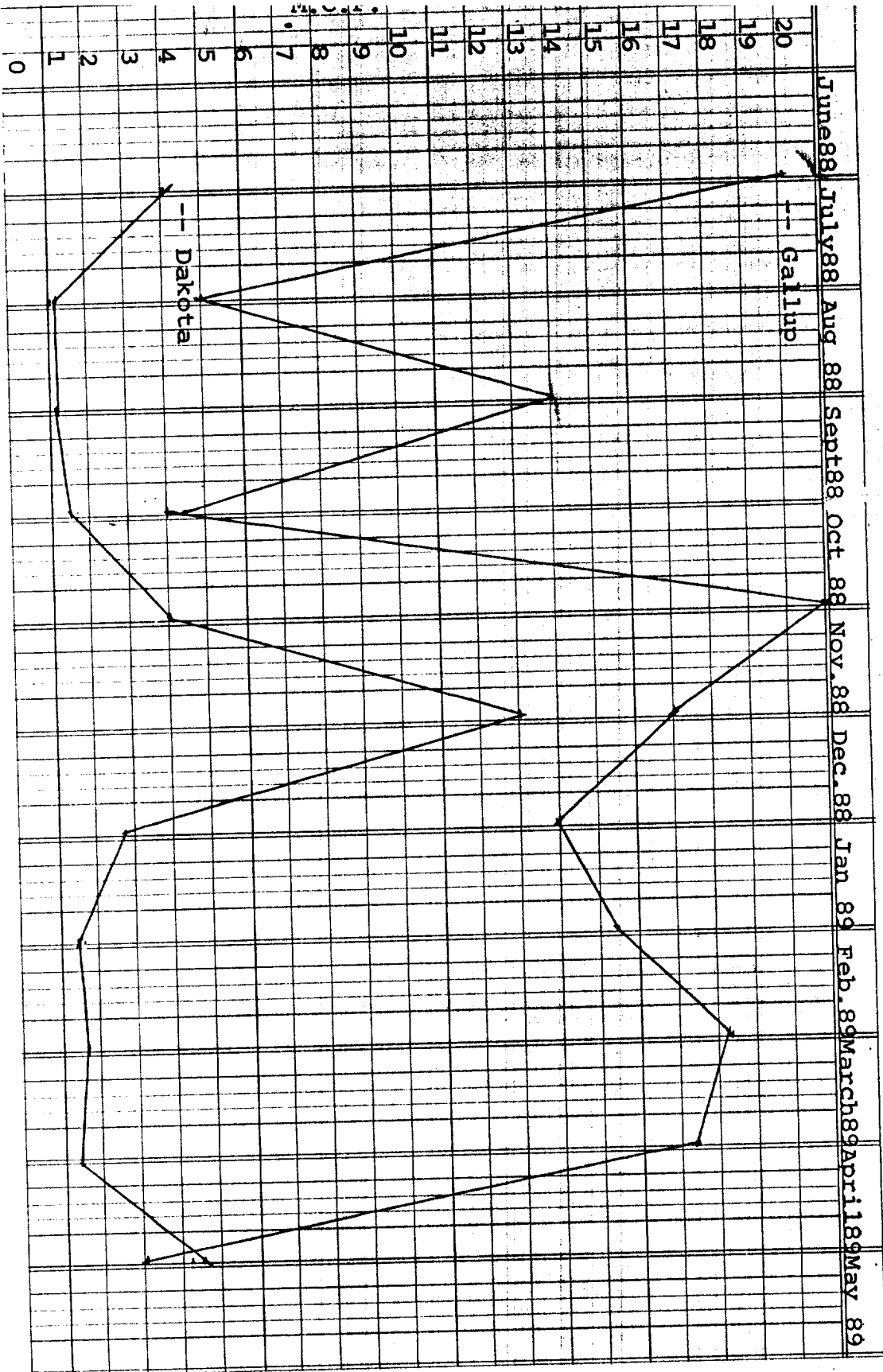
A handwritten signature in cursive script that reads "Roger N. McCown".

Roger N. McCown
President

tdm

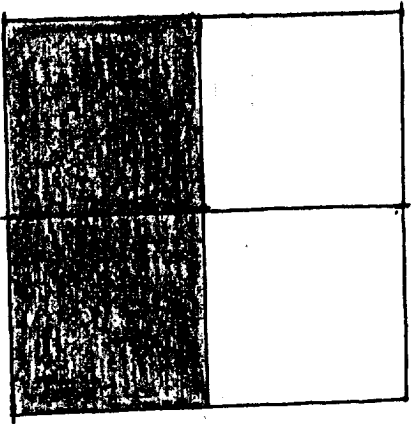
Enclosures

- A. M & M Production Operation, Inc.
P.O. Box 75
Counselor, N.M. 87018
- B. Mexico Fed A well #1, I Sec. 10 township 24N Range 6W
(1) Basin Dakota and Devils Fork Gallup
- C. Attached
- D. Attached
- E. Attached
- F. Estimated Bottom hole pressure SHUT IN.
(1) Basin Dakota- 820 p.s.i.
(2) Devils Fork Gallup- 650 p.s.i.
- G. The Gallup oil is around 46 gravity with little or no water.
The Dakota oil is light around 53 gravity with approximately three gallons of water per day.
- H. By commingling we can get the production from both zones up from the present production.
- I. Gallup 85% Dakota 15%
Figured over last year production
- J. Attached



Sec. 10 - 24N - 6W

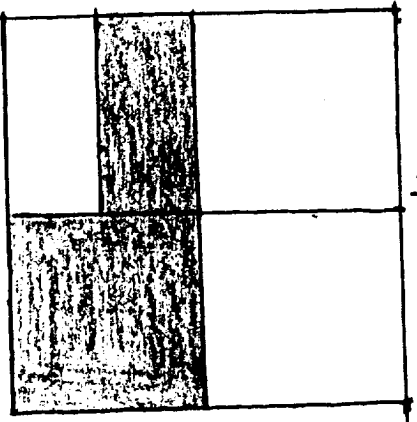
North
↑



-- Dedicated to the Basin Dakota
Mexico Fed. A #1

Sec. 10 - 24N - 6W

North
↑



-- Dedicated to the Devils Fork Gallup
Mexico Fed. A #1

Submit 2 copies to Appropriate District Office.

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-116
Revised 1/1/89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

Operator		Pool		County										
M & M Production & Operation, Inc.		Basin, Dakota & Devils Fork Gallup		Rio Arriba										
Address		P.O. Box 75, Counselor, N.M. 87018		TEST - (X)										
LEASE NAME		WELL NO.	LOCATION	DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	WATER BRLS.	PROD. DURING TEST	GAS M.C.F.	GAS - OIL RATIO CU.FT/BBL.		
			U	S	T	R								
Mexico Fed. A		1	I	10	24N	6W	5-26-89	.625 Plate	482 Start 197 Stop	30 Min.	0	0	.069	.069-0
Mexico Fed. A		1	I	10	24N	6W	5-26-89	1.250 Plate	420 Start 180 Stop	30 Min.	0	45	.625, .042	6.042 CF .62 BBL

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

(See Rule 301, Rule 1116 & appropriate pool rules.)

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

Signature Roger N. McCown

Printed name and title Roger N. McCown Operator

Date June 1, 1989 505-568-4416
Telephone No.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

EXEMPTED BY AUTHORITY
(Other instructions on re-
verse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

82-079086

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Mexico Fed. A

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Dakota and Gallup

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

NE 1/4 SE 1/4 Sec. 10-24N-6W

12. COUNTY OR PARISH 13. STATE

Rio Arriba New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals.)

OIL WELL ☒ GAS WELL ☒ OTHER Dual Completed Well

1. NAME OF OPERATOR

M & M Production & Operation INC.

2. ADDRESS OF OPERATOR

P.O. Box 75 Counselor, New Mexico 87018

3. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

NE 1/4-SE 1/4- Sec. 10-24N-6W

990' From North Line

990' From East Line

14. PERMIT NO.

82-079086

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6447' DF

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Down Hole Co-Mingle

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

We are applying to the New Mexico Oil and Gas Commission for a down
hole Co-Mingle permit.

18. I hereby certify that the foregoing is true and correct

SIGNED Roger M. McCown

TITLE President

DATE June 1, 1989

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

M & M Production & Operation, Inc.
P.O. Box 75
Counselor, New Mexico 87018

DATE:

Merrion Oil & Gas Co.
P.O. Box 840
Farmington, N.M. 87499

Gentlemen:

This is to notify you that M & M Production & Operation, Inc.
is applying to the New Mexico Oil and Gas Commission for a
commingle permit for the Mexico Fed. A # 1 Devil Fork Gallup
and Dakota location. Located in NE $\frac{1}{4}$ -- SE $\frac{1}{4}$ Sec. 10-24N-6W
990' from North Line, 990' from East Line.

Sincerely yours,

Roger N. McCown
President, M & M Production

tdm

cc

M & M Production & Operation, Inc.
P.O. Box 75
Counselor, New Mexico 87018

Re: [unclear]

DATE: June 1, 1989

Texaco, Inc.
Box EE
Cortez, Co. 81321

Gentlemen:

This is to notify you that M & M Production & Operation, Inc.
is applying to the New Mexico Oil and Gas Commission for a
commingle permit for the Mexico Fed. A # 1 Devil Fork Gallup
and Dakota location. Located in NE $\frac{1}{4}$ -- SE $\frac{1}{4}$ Sec. 10-24N-6W
990' from North Line, 990' from East Line.

Sincerely yours,


Roger McCown
President, M & M Production

tdm

cc

M & M Production & Operation, Inc.
P.O. Box 75
Counselor, New Mexico 87018

DATE: June 1, 1989

R.L. Bayless
P.O. Box 1541
Farmington, N.M. 87499

Gentlemen:

This is to notify you that M & M Production & Operation, Inc. is applying to the New Mexico Oil and Gas Commission for a commingle permit for the Mexico Fed. A # 1 Devil Fork Gallup and Dakota location. Located in NE $\frac{1}{4}$ -- SE $\frac{1}{4}$ and Sec. 10-24N-6W 990' from North Line, 990' from East Line.

Sincerely yours.


Roger N. McCown
President, M & M Production

tdm

cc

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

82-079086

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Mexico Fed. A

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Dakota and Gallup

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 10-24N-6W

12. COUNTY OR PARISH 13. STATE

Rio Arriba New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

OIL WELL ☒ GAS WELL ☒ OTHER Dual Completed Well

2. NAME OF OPERATOR

M & M Production & Operation INC.

3. ADDRESS OF OPERATOR

P.O. Box 75 Counselor, New Mexico 87018

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

NE $\frac{1}{4}$ -SE $\frac{1}{4}$ - Sec. 10-24N-6W

990' From North Line

990' From East Line

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)

82-079086

6447' DF

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Down Hole Co-Mingle

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

We are applying to the New Mexico Oil and Gas Commission for a down
hole Co-Mingle permit.

18. I hereby certify that the foregoing is true and correct

SIGNED Roger M. McCoun

TITLE President

DATE June 1, 1989

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

82-079086

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Mexico Fed. A

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Dakota and Gallup

11. SEC., T., S., M., OR BLK. AND
SURVEY OR AREA

NE 1/4 SE 1/4 Sec. 10-24N-6W

12. COUNTY OR PARISH 13. STATE

Rio Arriba New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☒ OTHER Dual Completed Well

2. NAME OF OPERATOR

M & M Production & Operation INC.

3. ADDRESS OF OPERATOR

P.O. Box 75 Counselor, New Mexico 87018

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

NE 1/4-SE 1/4- Sec. 10-24N-6W

990' From North Line

990' From East Line

14. PERMIT NO.

82-079086

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6447' DF

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Down Hole Co-Mingle

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

We are applying to the New Mexico Oil and Gas Commission for a down
hole Co-Mingle permit.

18. I hereby certify that the foregoing is true and correct

SIGNED Roger N. McCoun

TITLE President

DATE June 1, 1989

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the
United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

CONTRACT NUMBER NO. 1704-0133
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Dual Completed Well	5. LEASE DESIGNATION AND SERIAL NO. 82-079086
2. NAME OF OPERATOR M & M Production & Operation INC.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 75 Counselor, New Mexico 87018	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface NE 1/4-SE 1/4- Sec. 10-24N-6W 990' From North Line 990' From East Line	8. FARM OR LEASE NAME Mexico Fed. A
14. PERMIT NO. 82-079086	9. WELL NO. #1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6447' DF	10. FIELD AND POOL, OR WILDCAT Dakota and Gallup
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE 1/4 SE 1/4 Sec. 10-24N-6W
	12. COUNTY OR PARISH Rio Arriba
	13. STATE New Mexico

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Down Hole Co-Mingle

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

We are applying to the New Mexico Oil and Gas Commission for a down hole Co-Mingle permit.

18. I hereby certify that the foregoing is true and correct

SIGNED Roger H. McCoun

TITLE President

DATE June 1, 1989

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DOWNHOLE COMMINGLING

5700'

APPROX 4645 PER-DAY oil
PLUNGER LIFT

BOTH ZONES produce APPROX
3 GAL. WATER PER-DAY

GALLUP well oil 46.4 GRAVITY

DAKOTA well oil 53.7 "

THE PRODUCTION FROM THE TWO ZONES
~~SHOULD~~ SHOULD BE INCREASED

ALL WORKING INTEREST & ROYALTY IS
THE SAME

THE RECOVERY SHOULD BE INCREASED

THE COMMINGLING WILL IMPROVE
THE PRODUCTION FROM BOTH ZONES

THERE WILL BE NO CROSSFLOW BETWEEN
THE ZONES

THE TWO ZONES WILL FLOW & NO DAMAGE

~~WILL OCCUR~~
WILL OCCUR.

THE FLUID FROM BOTH ZONES ARE
COMPATIBLE

M & M Producers
P.O. Box

Telephone

June 1, 1989

Oil Conservation Division

Gentlemen,

M & M Producers would like to
apply for a Consumptive Permit for
their well the Mexico Federal #31
basin Dakota & Devil Fork Gallup located
in T Sec. 10 township 24N Range 6W

The following

Enclosure

Sincerely yours,

- A M & M Prod. P.O. Box 75 R.
- B Mex Fed # well #1, T Sec. 10 Township 24N Range 6W

(1) Basin Dakota & Devil Fork Gallup
attached

C
D
E
F

estimated Bottom Hole pressure sheet in

- 1) Basin Dakota - 820 p.s.i.
- 2) Devil Fork Gallup - 650 p.s.i.

THE OWNERSHIP OF THE TWO ZONES
IS COMMON WORKING INTEREST, ROYALTY &
OVERRIDING ROYALTY

THE PRESSURE OF THE LOWER ZONE IS
SLIGHTLY HIGHER

A- M + M PRODUCTION & OPERATION INC.
P.O. BOX 75
CONSEJO, NEW MEXICO 87018

B MEXICO FEDERAL A well #1
LOCATED IN NE 1/4 SEC. 10 - 24N-6W
BASIN DAKOTA & THE DEVILS FORT GAY

C ✓

D ✓

E ✓

F ESTIMATED BOTTOM HOLE PRESSURE
GALLUP 650 POUNDS
ESTIMATED BOTTOM HOLE PRESSURE
DAKOTA 920 POUNDS

G THE GALLUP OIL IS AROUND 46 GRAVITY
WITH LITTLE OR NO WATER
THE DAKOTA OIL IS LIGHT AROUND 53 GRAVITY
WITH APPROXIMATELY 3 GALLONS OF WATER
PER DAY

H BY COMBINING WE CAN GET THE
PRODUCTION FROM BOTH ZONES UP
FROM THE PRESENT PRODUCTION

I GAINP 85% DAKOTA 15%
FIGURED OVER LAST YEAR PRODUCTION

5