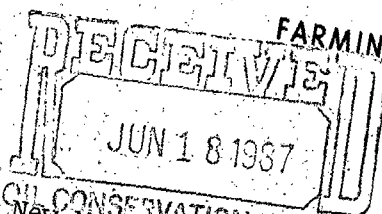


CAULKINS OIL COMPANY

P. O. BOX 780
FARMINGTON, NEW MEXICO 87401

June 15, 1987



State of New Mexico
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501

Gentlemen:

As set forth in Rule 303-C of New Mexico Oil Conservation Division Rules and Regulation, we hereby request administrative approval of downhole commingling of following dual completed wells. All wells are commingled in Chacra - Mesa Verde Zones above packer with Dakota Zone below packer.

State "A" 268-E
Lease No. E-291-17
1170' F/S and 1150' F/E *Unit (P)*
Sec. 16, 26N, 6W
Rio Arriba County, New Mexico

Breach 224-A
Lease No. NM 03733
790' F/W and 978' F/N *Unit D*
Sec. 13, 26N, 7W
Rio Arriba County, New Mexico

Breach 812
Lease No. NM 03733
1493' F/W and 967' F/S *Unit N*
Sec. 18, 26N, 6W
Rio Arriba County, New Mexico

Breach "D" 346
Lease No. NM 03553 *Unit A*
900' F/N and 900' F/E
Sec. 22, 26N, 6W
Rio Arriba County, New Mexico

Breach "E" 54-E
Lease No. NM 03351 *Unit P*
990' F/S and 903' F/E
Sec. 4, 26N, 6W
Rio Arriba County, New Mexico

*Case 6438
6800*

Commingle Order No. R-6266 approved Commingling of Chacra and Mesa Verde Zones for wells 268-E, 346 and 54-E. This Order No. also approved Dual Completion.

Commingle Order No. R-5922 approved Commingling of Chacra and Mesa Verde Zones for wells No. ~~54-E~~ *224-A* and No. 812. This Order No. also approved Dual Completion.

We now ask for approval to Commingle all of the above wells in wellbore from all three Zones.

In support of commingling we offer:

Our wells commingled under Commission Order No. R-7981, which approved commingling of Chacra, Mesa Verde and Dakota Zones has resulted in better operation of wells by using all wellbore energy to keep wells clean.

All nine wells approved under Order No. R-7981 have now been commingled approx 2 years with no trouble.

All wells approved on Order No. R-7971 and wells now being proposed for commingling are in same area.

As shown on schematic attached, packers will be set between all zones, with Cross Flow Check Valves installed to prevent cross flow between zones. All production shall be commingled in production tubing only.

Fluids from all zones compatible.

Ownership common, including working interests and royalty interests.

Nine section plat attached, showing offset acreage operators; also shows all wells now commingled or applied for.

Well being applied for identified by circle. Wells now commingled Chacra - Mesa Verde - Dakota identified by arrow. Wells now commingled either Chacra - Mesa Verde or Mesa Verde - Dakota identified by square.

Caulkins Oil Company will consult with Supervisor of Aztec District Office to determine allocation formula for production on each well as they are commingled.

All offset operators have been furnished with Copy of this Application. Receipt for Certified Mail attached.

Copy of Sundry Notice to BLM on Federal wells attached.

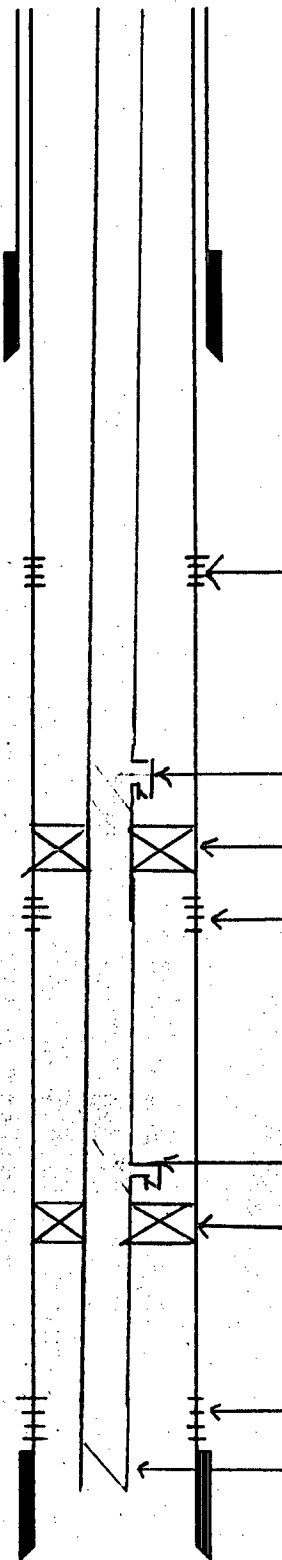
Copy of Sundry Notice to State of New Mexico on State land attached.

Yours very truly,



Charles E. Verquer, Supt.
Caulkins Oil Company

Copy: Caulkins Oil Company, Denver, Colorado
OCD, Aztec, New Mexico
Merridian Oil Inc., Farmington, New Mexico
Union of Calif., Midland, Texas
El Paso Natural Gas Company, Farmington, New Mexico
Mesa Operator Lmtd Part., Amarillo, Texas
Tenneco Oil Company, Englewood, Colorado



Chacra Zone Perforations

Reverse flow check valve

Baker model AR-1 Snap Set Compression Packer

Mesa Verde Zone perforations

Reverse Flow Check Valve

Baker Model R-3 Retrievable or Model "D"
Wire Line Set Packer

Dakota Perforations

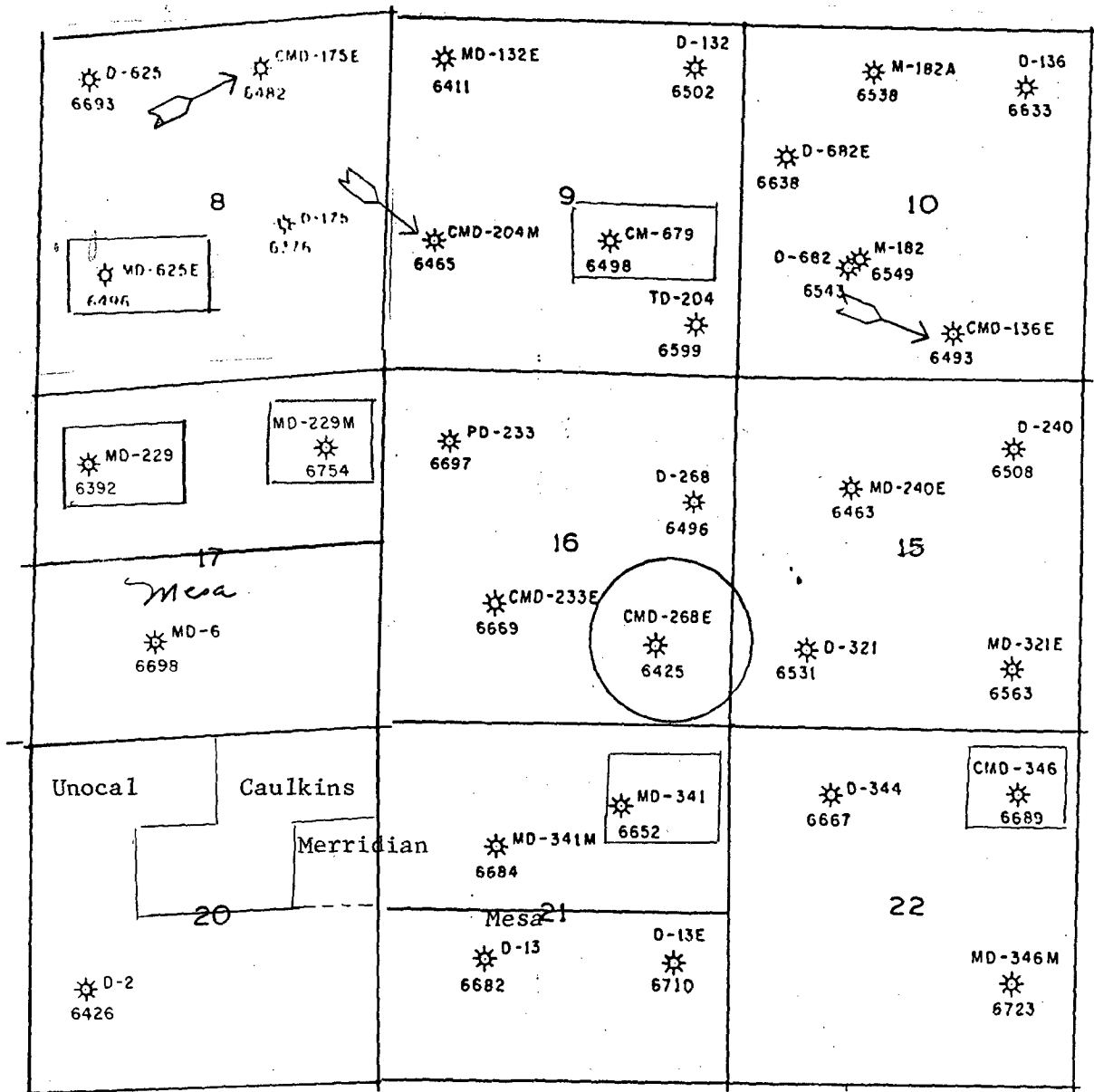
Check Valve Bottom of Tubing String

CAULKINS OIL COMPANY

P. O. BOX 780
FARMINGTON, NEW MEXICO 87401

State "A" 268-E
1170' F/S and 1150' F/E
Sec. 16, 26N, 6W
Rio Arriba County, New Mexico

All acreage not otherwise identified, operated by Caulkins Oil Company
in all three zones.



Offset operators: Unocal - South half Sec. 20, 26N, 6W
North half and SW 1/4 of NW 1/4 Sec. 20, 26N, 6W
Merridian - SE 1/4 of NE 1/4 Sec. 20, 26N, 6W
Mesa - South half Sec. 17, 26N, 6W

P. O. BOX 780
FARMINGTON, NEW MEXICO 87401

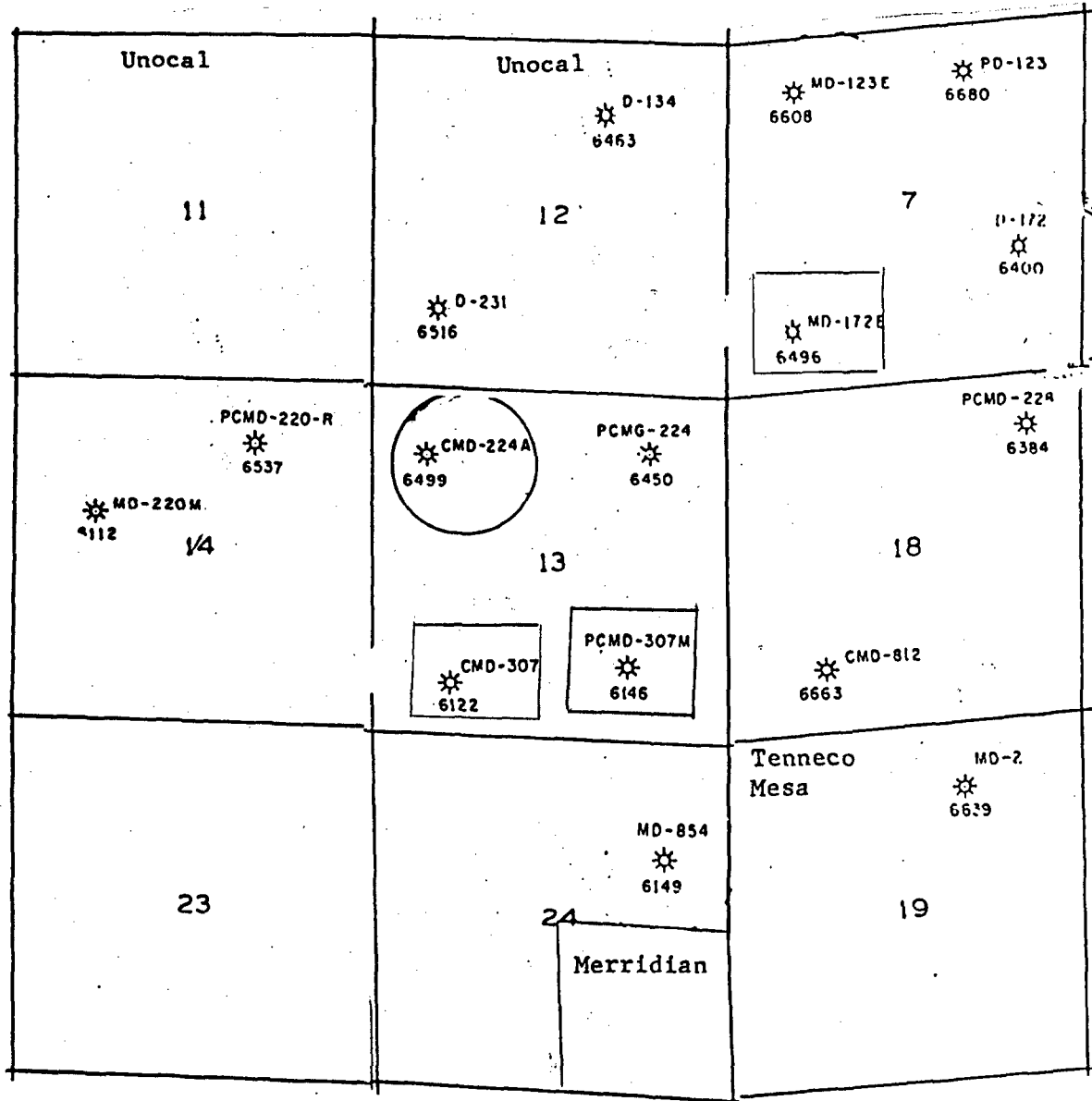
<p>☼ PD-233 6697</p> <p>☼ D-268 6496</p> <p>16</p> <p>☼ CMD-233E 6669</p> <p>☼ CMD-268E 6425</p>	<p>☼ D-240 6508</p> <p>☼ MD-240E 6463</p> <p>15</p> <p>☼ D-321 6531</p> <p>☼ MD-321E 6563</p>	<p>☼ D-244 6616</p> <p>☼ MD 244E 6605</p> <p>14</p> <p>☼ D-323 6736</p> <p>☼ MD-323E 6678</p>
<p>☼ MD-341M 6684</p> <p>☼ MD-341 6652</p> <p>21</p> <p>Mesa</p> <p>☼ D-13 6682</p> <p>☼ D-13E 6710</p>	<p>☼ D-344 6667</p> <p>☼ CMD-346 6689</p> <p>22</p> <p>☼ MD-346M 6723</p>	<p>Mesa - MV</p> <p>☼ D-12 6760</p> <p>Tenneco - Dakota</p> <p>☼ D-11 6680</p> <p>23</p> <p>☼ D-12E 6709</p> <p>☼ MD-11E 6370</p>
<p>Merridian</p> <p>☼ D-30E 6440</p> <p>☼ D-15 6669</p> <p>☼ D-30 6421</p> <p>28</p> <p>☼ D-15E 6262</p>	<p>Merridian</p> <p>☼ D-14E 6653</p> <p>☼ D-13 6670</p> <p>27</p> <p>☼ D-14 6314</p>	<p>El Paso Natural Gas Co. MV</p> <p>☼ D-12E 6348</p> <p>☼ D-8 6652</p> <p>Merridian - Dakota</p> <p>26</p> <p>☼ D-12 6634</p> <p>☼ 8E MV-33 6641</p>

Merridian - Sec. 26, 27, 28, 26N, 6W

CAULKINS OIL COMPANY

P. O. BOX 780
FARMINGTON, NEW MEXICO 87401

Breech 224-A
790' F/W and 978' F/N
Sec. 13, 26N, 6W
Rio Arriba County, New Mexico



All acreage not otherwise identified, operated by Caulkins Oil Company in Chacra - Mesa Verde and Dakota Zones.

Offset operators: Unocal, Sec. 11 and 12 - 26N - 7W

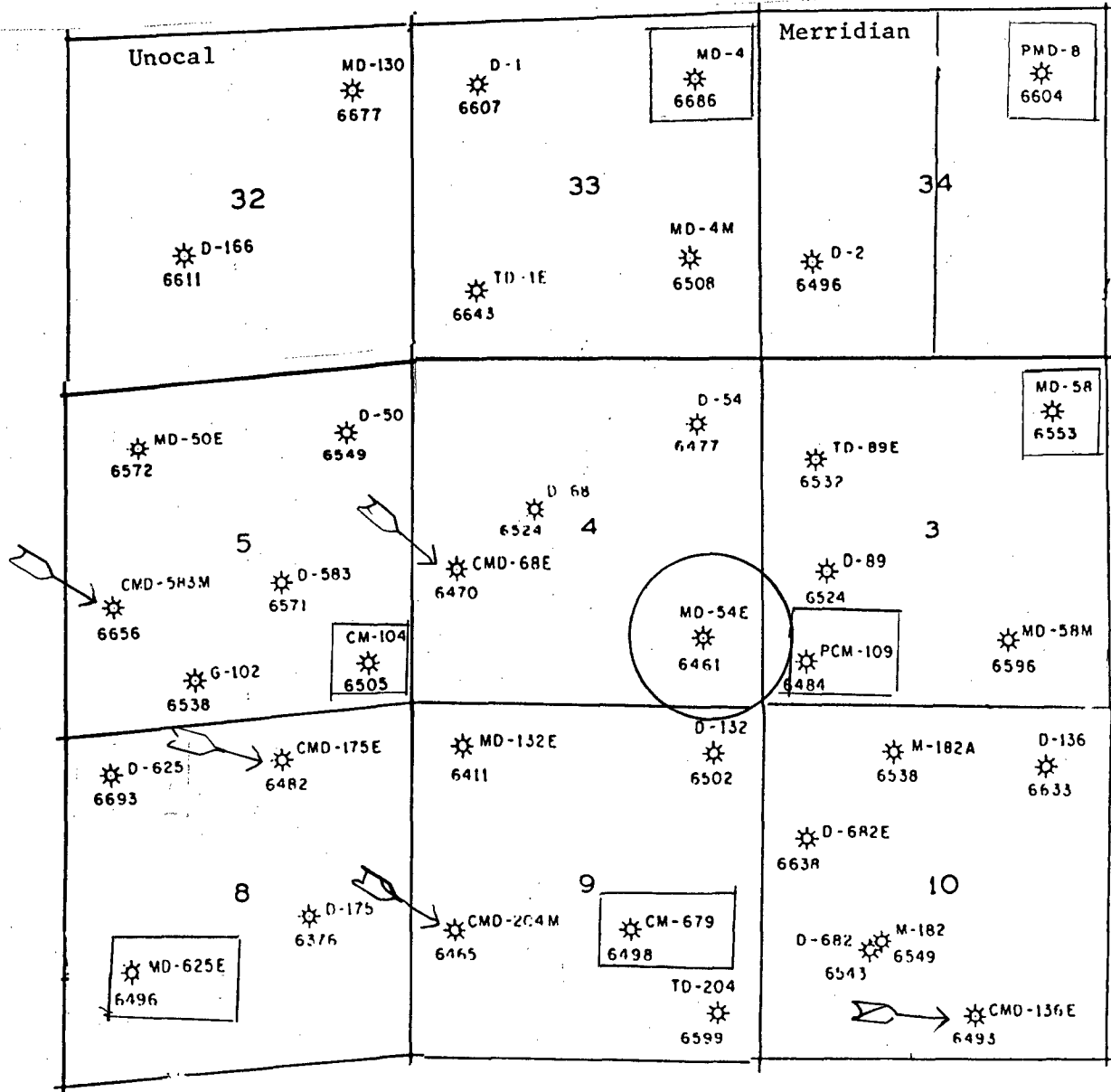
Merridian Oil Company, SE 1/4 Sec. 24, 26N - 7W

CAULKINS OIL COMPANY

P. O. BOX 780
FARMINGTON, NEW MEXICO 87401

Breach "E" 54-E
990' F/S and 903' F/E
Sec. 4, 26N, 6W
Rio Arriba County, New Mexico

All acreage not otherwise identified, operated by Caulkins Oil Company
in all three Zones.



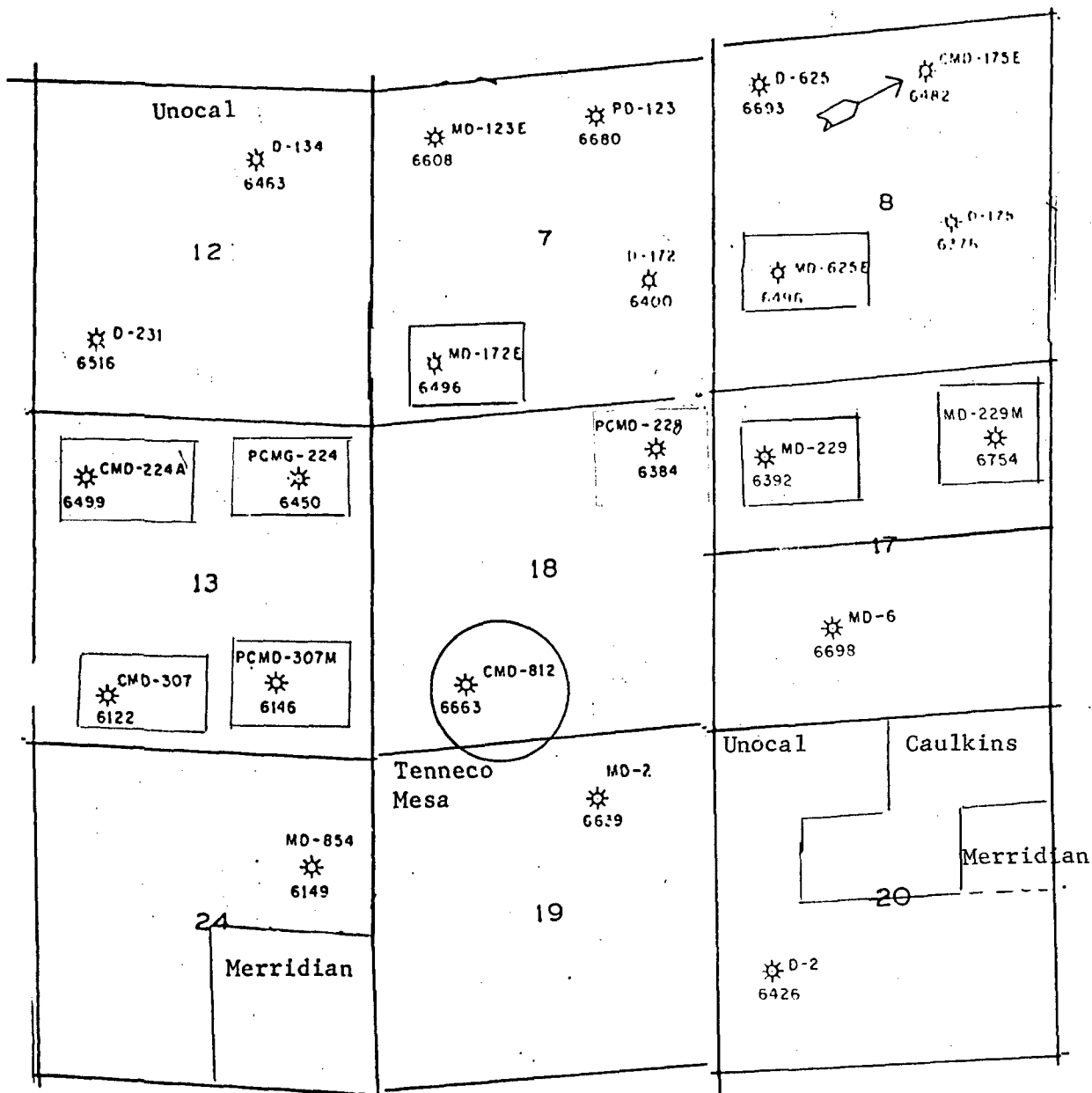
Offset operators: Unocal - Sec. 32, 27N, 6W

Merridian - West half Sec. 34, 27N, 6W

CAULKINS OIL COMPANY

P. O. BOX 780
FARMINGTON, NEW MEXICO 87401

Breach 812
1493' F/W and 967' F/S
Sec. 18, 26N, 6W
Rio Arriba County, New Mexico



All acreage not otherwise identified, operated by Caulkins Oil Company in all three Zones.

Offset operators: Unocal - Sec. 12, 26N, 7W
South half Sec. 20, 26N, 6W
North half and SW 1/4 of Sec. 20, 26N, 6W

Merridian - SE 1/4 Sec. 24, 26N, 7W
SE 1/4 - NE 1/4 Sec. 20, 26N, 6W

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. E-291-17
7. Unit Agreement Name
8. Farm or Lease Name State "A"
9. Well No. 268-E
10. Field and Pool, Basin Dakota Otero Chacra, Blanco MV
12. County Rio Arriba

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. ☐ OIL WELL ☒ GAS WELL ☐ OTHER-

2. Name of Operator
Caulkins Oil Company

3. Address of Operator
P.O. Box 780 Farmington, New Mexico 87499

4. Location of Well
UNIT LETTER P 1150 FEET FROM THE East LINE AND 1170 FEET FROM
THE South LINE, SECTION 16 TOWNSHIP 26 North RANGE 6 West NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
6425 GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <u>Downhole Commingling</u> <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

It is our intention to seek administration approval for downhole commingling of the Chacra, Mesa Verde and Dakota Zones in this well from New Mexico Oil Conservation Division.

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

SIGNED Charles E. Veyner TITLE Superintendent DATE 6-15-87

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on reverse side)

Expires August 31, 1985
5. LEASE DESIGNATION AND AERIAL NO.

NM 03553

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech "D"

9. WELL NO.

346

10. FIELD AND POOL, OR ~~Basin~~ Dakota

Otero Chacra, Blanco MV

11. SEC., T., S., W., OR BLK. AND
SUBST. OR AREA

Sec. 22, 26N, 6W

12. COUNTY OR PARISH

Rio Arriba

13. STATE
New Mexico

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, AT, GA, etc.)

6689 GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

RELL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) Downhole Commingling

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

REPAIRING WELL

☐
☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(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 cones pertinent to this work.)

It is our intention to seek administration approval for downhole commingling of the Chacra, Mesa Verde and Dakota Zones in this well from New Mexico Oil Conservation Division.

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

SIGNED Charles E. Vequer TITLE Superintendent

DATE 6-15-87

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

3. LEASE DESIGNATION AND AERIAL NO.

NM 03733

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech

9. WELL NO.

224-A

10. FIELD AND FOOT, OR WHEREAS BASIN Dakota

Otero Chacra, Blanco MV,

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

Sec. 13, 26N, 7W

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

1. NAME OF OPERATOR

Caulkins Oil Company

2. ADDRESS OF OPERATOR

P.O. Box 780 Farmington, New Mexico 87499

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

790' F/W and 978' F/N

4. PERMIT NO.

15. ELEVATIONS (Show whether DT, AT, CR, etc.)

6499 GR

6. 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) Downhole Commingling

PLUG OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

7. DEWATER PROMISED 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 depths and zones pertinent to this work.)

It is our intention to seek administration approval for downhole commingling of the Chacra, Mesa Verde and Dakota Zones in this well from New Mexico Oil Conservation Division.

I hereby certify that the foregoing is true and correct

SIGNED Charles E. Deque TITLE Superintendent

DATE 6-15-87

(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 TRIPLICATE*
(Other instructions on re-
verse side)

Expires August 31, 1985
5. LEASE DESIGNATION AND AERIAL NO.

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.)

NM 03351

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech "E"

9. WELL NO.

54-E

10. FIELD AND POOL, OR BASIN Dakota

Otero Chacra, Blanco MV

11. SEC., T., R., W., OR BLK. AND
QUARTY OR AREA

Sec. 4, 26N, 6W

12. COUNTY OR PARISH 13. STATE

Rio Arriba

New Mexico

14. PERMIT NO.

15. ELEVATIONS (Show whether DR, RT, CR, etc.)

6461 GR

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) Downhole Commingling

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion as 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 cones pene-
trant to this work.) *

It is our intention to seek administration approval for
downhole commingling of the Chacra, Mesa Verde and Dakota Zones
in this well from New Mexico Oil Conservation Division.

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

SIGNED Charles E. Cramer TITLE Superintendent

DATE 6-15-87

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

BLM Form 1000-10-10
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.)

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Caulkins Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 780 Farmington, New Mexico 87499

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

At surface

1493' F/W and 967' F/S

14. PERMIT NO.

15. ELEVATIONS (Show whether DT, AT, CR, etc.)

6663 GR

5. LEASE DESIGNATION AND AERIAL NO.

NM 03733

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech

9. WELL NO.

812

10. FIELD AND POOL, OR WELLS

Otero Chacra, Blanco MV

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

Sec. 18, 26N, 6W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

RELL OR ALTER CASING

☐
☐
☐
☐

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

REPAIR WELL

(Other) Downhole Commingling

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

FRACURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

☐
☐
☐
☐

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion as 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.)

It is our intention to seek administration approval for
downhole commingling of the Chacra, Mesa Verde and Dakota Zones
in this well from New Mexico Oil Conservation Division.

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

SIGNED Charles E. Vazquez TITLE Superintendent

DATE 6-15-87

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*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.

P 110 858 057

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982 * U.S.G.P.O. 1984-446-014

Postmark of Date JUN 18 1987 NM

Sent to	Merrill Oil Co.
Street and No.	3535 E. 30th
P.O. State and ZIP Code	Farmington N.M. 87499
Postage	\$ 56
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 131

P 110 858 059

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982 * U.S.G.P.O. 1984-446-014

Postmark of Date JUN 18 1987 NM

Sent to	Seneca Oil Co.
Street and No.	Box 3249
P.O. State and ZIP Code	Englewood, Colorado
Postage	\$ 56
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 131

P 110 858 060

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982 * U.S.G.P.O. 1984-446-014

Postmark of Date JUN 18 1987 NM

Sent to	El Paso Natural Gas
Street and No.	Box 950
P.O. State and ZIP Code	Farmington N.M. 87499
Postage	\$ 56
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 131

PS Form 3800, Feb. 1982

* U.S.G.P.O. 1984-446-014

Postmark of Date JUN 18 1987 NM

Sent to	Alonsoy Cely
Street and No.	Box 671
P.O. State and ZIP Code	Midland, Texas 79702
Postage	\$ 56
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 131

(See Reverse)

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
P 110 858 061

PS Form 3800, Feb. 1982

* U.S.G.P.O. 1984-446-014

Postmark of Date JUN 18 1987 NM

Sent to	Mesa Quality & Gas
Street and No.	Box 2009
P.O. State and ZIP Code	Maricopa, Arizona 85139
Postage	\$ 56
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 131

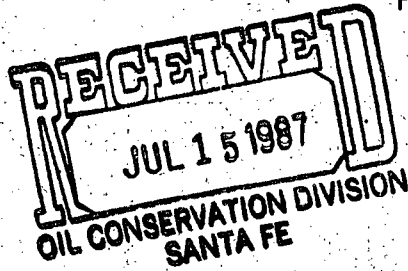
(See Reverse)

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

P 110 858 058

CAULKINS OIL COMPANY

P. O. BOX 780
FARMINGTON, NEW MEXICO 87401



July 13, 1987

Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico

Gentlemen:

Attached are 6 month production tabulations for 5 Chacra - Mesa Verde - Dakota commingled and Dakota dual wells requesting approval for downhole commingling of all zones.

Yours very truly,

A handwritten signature in cursive script that reads "Charles E. Verquer".

Charles E. Verquer, Supt.
Caulkins Oil Company

6 MONTH PRODUCTION TABULATION

CHACRA - MESA VERDE - DAKOTA

WELL NO. 268-E

	CHACRA		MESA VERDE			DAKOTA		
	GAS	DAYS ON	OIL	GAS	DAYS ON	OIL	GAS	DAYS ON
NOV. 1986	1413	15	65	1954	15	18	9213	20
DEC.	908	23	57	1249	23	16	7612	30
JAN. 1987	1234	28	50	1708	28	14	7136	31
FEB.	938	15	61	1296	15	17	5803	28
MAR.	966	15	41	1333	15	12	5478	15
APR.	1069	29	30	1476	29	8	5670	29
TOTALS	6528	125	304	9016	125	85	40,912	153
DAILY AVG.	52.2		2.43	72.1		.57	267	

Recommended production split from above tabulations.

Chacra 13% of all gas. No oil.

Mesa Verde 19% of all gas and 81% of all oil.

Dakota 68% of all gas and 19% of all oil.

6 MONTH PRODUCTION TABULATION CHACRA - MESA VERDE - DAKOTA

WELL NO. 346		MESA VERDE			DAKOTA		
CHACRA		OIL	GAS	DAYS ON	OIL	GAS	DAYS ON
GAS	DAYS ON						
0	0	0	0	0	0	188	1
397	24	22	548	24	7	3802	30
981	31	59	1353	31	17	4085	31
1079	31	95	1493	31	14	3903	31
661	21	60	846	21	35	3159	21
611	25	51	848	25	15	3085	23

Recommended production split from above tabulation.

Chacra 14% of all gas. No oil.

Mesa Verde 19% of all gas and 77% of all oil.

Dakota 67% of all gas and 23% of all oil.

6 MONTH PRODUCTION TABULATION

CHACRA - MESA VERDE - DAKOTA

WELL NO.: 224-A

	CHACRA		MESA VERDE			DAKOTA		
	GAS	DAYS ON	OIL	GAS	DAYS ON	OIL	GAS	DAYS ON
NOV. 1986	2341	25	90	5974	25	23	6278	31
DEC.	1686	30	59	3959	30	15	4292	30
JAN. 1987	1754	31	61	4287	31	16	4642	31
FEB.	1172	30	75	3555	30	19	3856	31
MAR.	497	8	7	1607	8	2	1740	8
APR.	1160	24	16	3934	24	4	4263	31
TOTALS	8610	148	308	23,616	148	79	22,071	162
DAILY AVG.	58.1		2.08	159.6		.49	136.2	

Recommended production split from above tabulation.

Chacra 17% of all gas. No oil.

Mesa Verde 45% of all gas and 80% of all oil.

Dakota 38% of all gas and 20% of all oil.

6 MONTH PRODUCTION TABULATION

CHACRA - MESA VERDE - DAKOTA

WELL NO. 54-E

	CHACRA		MESA VERDE			DAKOTA		
	GAS	DAYS ON	OIL	GAS	DAYS ON	OIL	GAS	DAYS ON
NOV. 1986	236	7	2	455	7	10	1297	3
DEC.	332	24	7	647	24	29	10234	30
JAN. 1987	448	31	1	870	31	4	2659	14
FEB.	84	31	2	175	31	0	0	0
MAR.	245	28	16	480	28	0	0	0
APR.	187	29	4	357	29	15	1891	3
TOTALS	1532	150	32	2944	150	58	16,076	50
DAILY AVG.	10.2		.21	19.6		1.16	321.5	

Recommended production split from above tabulations

Chacra 3% of all gas. No oil.

Mesa Verde 5% of all gas and 15% of all oil.

Dakota 92% of all gas and 85% of all oil.

6 MONTH PRODUCTION TABULATION

CHACRA - MESA VERDE - DAKOTA

WELL NO. 812

	CHACRA		MESA VERDE			DAKOTA		
	GAS	DAYS ON	OIL	GAS	DAYS ON	OIL	GAS	DAYS ON
NOV. 1986	2228	23	20	3340	23	21	421	2
DEC.	1634	28	25	2452	28	27	11540	30
JAN. 1987	40	7	23	62	7	24	7853	31
FEB.	375	10	17	560	10	19	2917	19
MAR.	1334	20	36	2004	20	0	0	0
APR.	1466	23	32	2199	23	0	0	0
TOTALS	7077	111	153	10,617	111	91	22,731	82
DAILY AVG.	63.7		1.38	95.6		1.11	277.2	

Recommended production split from above tabulations

Chacra 14% of all gas. No oil.

Mesa Verde 22% of all gas and 55% of all oil.

Dakota 64% of all gas and 45% of all oil.



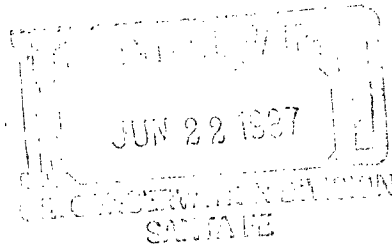
STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

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

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501

DATE 6-19-87

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



Gentlemen:

I have examined the application dated 6-17-87
for the Caulkins Oil Company Breach 224A D-13-26N-7W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours truly,

Don Burch



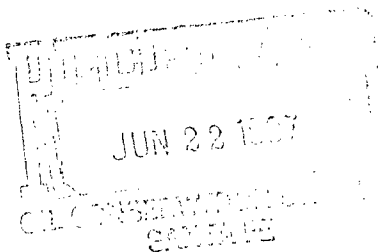
STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

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

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501

DATE 6-19-87

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



Gentlemen:

I have examined the application dated 6-17-87
for the Caulkins Oil Company State "A" 2686 0-16-26N-6W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours truly,

Edmund B. Burel

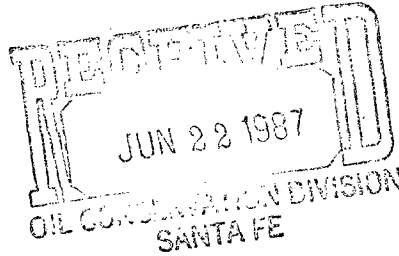


STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

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

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501



DATE 6-19-87

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

Gentlemen:

I have examined the application dated 6-17-87
for the Cummins Oil Company Breach #912 N-18-26N-6W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours truly,

Ed. Buech

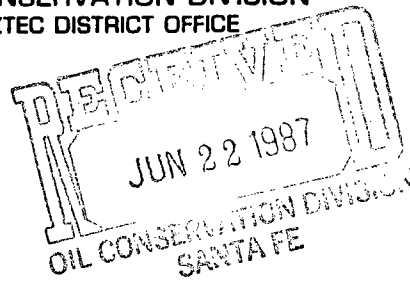


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ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

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

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501



DATE 6-19-87

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

Gentlemen:

I have examined the application dated 6-17-87
for the Caulkins Oil Company Breach D "346" A-22-26N-6W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours truly,

Ed Bonch

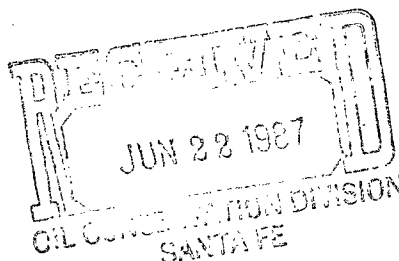


STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

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

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501

DATE 6-19-87



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

Gentlemen:

I have examined the application dated 6-17-87
for the Cooking Oil Company Breach "E" 54E P-4-26N-6W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours truly,

Earl Bernal

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 8574
Order No. R-7981

APPLICATION OF CAULKINS OIL
COMPANY FOR DOWNHOLE COMMINGLING,
RIO ARriba COUNTY, NEW MEXICO

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8 a.m. on April 24, 1985, at Santa Fe, New Mexico, before Examiner Michael E. Stogner.

NOW, on this 11th day of July, 1985, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) At the time of the hearing Division Case Nos. 8573, 8574, and 8575 were consolidated for the purpose of testimony.

(3) The applicant, Caulkins Oil Company, is the owner and operator of the following described wells:

Breach "E" Well No. 68-E
1980' FSL - 660' FWL
Unit L, Section 4

Breach "E" Well No. 583-M
1925' FSL - 720' FWL
Unit L, Section 5

Breach "A" Well No. 175-E
660' FNL - 1980' FEL
Unit B, Section 8

Case No. 8574
Order No. 7981

Breech "A" Well No. 204-M
1980' FSL - 660' FWL
Unit L, Section 9

Breech "A" Well No. 136-E
660' FSL - 1980' FEL
Unit O, Section 10

Breech "C" Well No. 248-E
960' FNL - 860' FWL
Unit D, Section 13

Sanchez Well No. 4
990' FN and WL
Unit D, Section 25

All in Township 26 North, Range 6 West, NMPM, Rio Arriba County, New Mexico.

(4) Subsequent to the hearing the applicant requested and has hereby received approval to delete the Sanchez Well No. 4, as described above, from consideration of this application.

(5) The applicant seeks authority to commingle production from the Otero Chacra Gas Pool, Blanco Mesaverde, and Basin Dakota Gas Pools within the wellbores of each of the above-described wells, with the exception of said Sanchez Well No. 4.

(6) From the Otero Chacra, the subject wells are expected to be capable of low production only.

(7) From the Blanco Mesaverde Gas Pool, the subject wells are expected to be capable of low production only.

(8) From the Basin Dakota Gas Pool, the subject wells are expected to be capable of low production only.

(9) The proposed commingling should result in the recovery of additional hydrocarbons from each of the subject pools, thereby preventing waste, and will not violate correlative rights.

(10) The reservoir characteristics of each of the subject zones are such that underground waste would not be caused by the proposed commingling provided that the wells are not shut-in for an extended period.

(11) To afford the Division the opportunity to assess the potential for waste and to expeditiously order appropriate remedial action, the operator should notify the Aztec district

office of the Division any time that any of the subject wells is shut-in for 7 consecutive days.

(12) In order to allocate the commingled production to each of the commingled zones in the wells, applicant should consult with the supervisor of the Aztec district office of the Division and determine an allocation formula for each of the production zones.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Caulkins Oil Company, is hereby authorized to commingle production from the Otero Chacra, Blanco Mesaverde, and Basin Dakota Gas Pools within the wellbores of the following described wells:

Breech "E" Well No. 68-E
1980' FSL - 660' FWL
Unit L, Section 4

Breech "E" Well No. 583-M
1925' FSL - 720' FWL
Unit L, Section 5

Breech "A" Well No. 175-E
660' FNL - 1980' FEL
Unit B, Section 8

Breech "A" Well No. 204-M
1980' FSL - 660' FWL
Unit L, Section 9

Breech "A" Well No. 136-E
660' FSL - 1980' FEL
Unit O, Section 10

Breech "C" Well No. 248-E
960' FNL - 850' FWL
Unit D, Section 13

All in Township 26 North, Range 6 West, NMPM, Rio Arriba County, New Mexico.

(2) The applicant shall consult with the Supervisor of the Aztec district office of the Division and determine an allocation formula for the allocation of production to each zone in each of the subject wells.

(3) The operator shall immediately notify the Division's Aztec district office any time any well downhole commingled

-4-

Case No. 8574
Order No. 7981

under the terms of this order has been shut-in for 7 consecutive days and shall concurrently present, to the Division, a plan for remedial action.

(4) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



R. L. STAMETS,
Director

S E A L

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 8573
Order No. R-7980

APPLICATION OF CAULKINS OIL COMPANY
FOR DOWNHOLE COMMINGLING, RIO ARRIBA
COUNTY, NEW MEXICO

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8 a.m. on April 24, 1985, at Santa Fe, New Mexico, before Examiner Michael E. Stogner.

NOW, on this 11th day of July, 1985, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

- (1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) At the time of the hearing Division Cases Nos. 8573, 8574, and 8575 were consolidated for the purpose of testimony.
- (3) The applicant, Caulkins Oil Company, is the owner and operator of the following described wells:

State "A" Well No. 113-E
1110' FSL - 950' FEL
Unit P, Section 2

Breach "B" Well No. 172-E
890' FSL - 990' FWL
Unit M, Section 7

Breach "D" Well No. 685-E
858' FSL - 927' FEL
Unit P, Section 11

Breech "C" Well No. 689
1850' FSL - 790' FWL
Unit L, Section 12

Breech "C" Well No. 689-M
920' FSL - 1100' FEL
Unit P, Section 12

Breech "C" Well No. 248
1140' FNL - 900' FEL
Unit A, Section 13

Breech "A" Well No. 229-M
1120' FNL - 890' FEL
Unit A, Section 17

Breech "D" Well No. 341-M
1850' FNL - 1800' FWL
Unit F, Section 21

All in Township 26 North, Range 6 West, NMPM, Rio Arriba County, New Mexico.

(4) The applicant seeks authority to commingle production from the Blanco Mesaverde and Basin Dakota Gas Pools within the wellbores of the above-described wells.

(5) From the Blanco Mesaverde Gas Pool, the subject wells are expected to be capable of low production only.

(6) From the Basin Dakota Gas Pool, the subject wells are expected to be capable of low production only.

(7) The proposed commingling should result in the recovery of additional hydrocarbons from each of the subject pools, thereby preventing waste, and will not violate correlative rights.

(8) The reservoir characteristics of each of the subject zones are such that underground waste would not be caused by the proposed commingling provided that the well is not shut-in for an extended period.

(9) To afford the Division the opportunity to assess the potential for waste and to expeditiously order appropriate remedial action, the operator should notify the Aztec district office of the Division any time that any of the subject wells is shut-in for 7 consecutive days.

(10) In order to allocate the commingled production to each of the commingled zones in the wells, applicant should consult with the supervisor of the Aztec district office of the Division and determine an allocation formula for each of the production zones.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Caulkins Oil Company, is hereby authorized to commingle Blanco Mesaverde Gas Pool and Basin Dakota Gas Pool production within the wellbores of the following wells:

State "A" Well No. 113-E
1110' FSL - 950' FEL
Unit P, Section 2

Breech "B" Well No. 172-E
890' FSL - 990' FWL
Unit M, Section 7

Breech "D" Well No. 685-E
858' FSL - 927' FEL
Unit P, Section 11

Breech "C" Well No. 689
1850' FSL - 790' FWL
Unit L, Section 12

Breech "C" Well No. 689-M
920' FSL - 1100' FEL
Unit P, Section 12

Breech "C" Well No. 248
1140' FNL - 900' FEL
Unit A, Section 13

Breech "A" Well No. 229-M
1120' FNL - 890' FEL
Unit A, Section 17

Breech "D" Well No. 341-M
1850' FNL - 1800' FWL
Unit F, Section 21

All in Township 26 North, Range 6 West, NMPM, Rio Arriba County, New Mexico.

(2) The applicant shall consult with the Supervisor of the Aztec district office of the Division and determine an

-4-

Case No. 8573
Order No. 7980

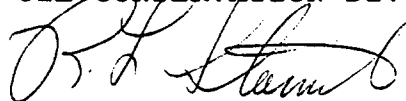
allocation formula for the allocation of production to each zone in each of the subject wells.

(3) The operator shall immediately notify the Division's Aztec district office any time any well downhole commingled under terms of this order has been shut-in for 7 consecutive days and shall concurrently present, to the Division, a plan for remedial action.

(4) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



R. L. STAMETS,
Director

S E A L