



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 June 10, 1985

RE: Proposed MC \_\_\_\_\_  
Proposed DHC X \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated June 9

for the Caulkins Oil Co. See attached list 14-26N-6W  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours truly,

[Signature]

# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

June 4, 1987

Oil Conservation Division  
Post Office Box 2088  
Santa Fe, New Mexico 87501

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Gentlemen:

As set forth in rule 303-C of New Mexico Oil Conservation Division Rules and Regulations, we hereby request administrative approval for downhole commingling of following Dual completed Mesa Verde - Dakota wells:

Reuter 321-E  
934 F/S 1022 F/E  
Sec. 15 - 26N - 6W  
Rio Arriba County, N.M.

Breech 854  
980 F/E 1618 F/N  
Sec. 24 - 26N - 7W  
Rio Arriba County, N.M.

Breech "B" 220-M  
2056 F/N 1197 F/W  
Sec. 24 - 26N - 7W  
Rio Arriba County, N.M.

Breech "A" 132-E  
660 F/N 760 F/W  
Sec. 9 - 26N - 6W  
Rio Arriba County, N.M.

Breech "F" 45-M  
990 F/N 990 F/W  
Sec. 35 - 27N - 6W  
Rio Arriba County, N.M.

State "A" 62-M  
1040 F/N 1120 F/W  
Sec. 2 - 26N - 6W  
Rio Arriba County, N.M.

Breech "D" 346-M  
1520 F/S 990 F/E  
Sec. 22 - 26N - 6W  
Rio Arriba County, N.M.

Breech "D" 140-M  
1028 F/W 880 F/N  
Sec. 11 - 26N - 6W  
Rio Arriba County, N.M.

Breech "D" 140  
990 F/N 990 F/E  
Sec. 11 - 26N - 6W  
Rio Arriba County, N.M.

Breech "E" 58-M  
1545 F/E 990 F/S  
Sec. 3 - 26N - 6W  
Rio Arriba County, N.M.

Breech "F" 11-M  
890 F/S 1120 F/E  
Sec. 35 - 27N - 6W  
Rio Arriba County, N.M.

Breech "F" 4-M  
1520 F/S 1070 F/E  
Sec. 33 - 27N - 6W  
Rio Arriba County, N.M.

*over*

Breech "B" 123-E  
830 F/N 960 F/W  
Sec. 7 - 26N - 6W  
Rio Arriba County, N.M.

Breech "D" 240-E  
1733 F/N 1795 F/W  
Sec. 15 - 26N - 6W  
Rio Arriba County, N.M.

✓ Breech "C" 244-E  
1520 F/N 1090 F/W  
Sec. 14 - 26N - 6W  
Rio Arriba County, N.M.

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Breech "E" 64-M  
1555 F/S 1770 F/E  
Sec. 1 - 26N - 6W  
Rio Arriba County, N.M.

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Breech "C" 323-E  
1120 F/S 1020 F/E  
Sec. 14 - 26N - 6W  
Rio Arriba County, N.M.

Breech "C" 389-E  
864 F/S 1010 F/E  
Sec. 13 - 26N - 6W  
Rio Arriba County, N.M.

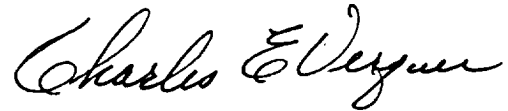
Commingling of the above wells will result in the production of hydrocarbons that would not otherwise be economical to produce, thereby preventing waste.

In support of commingling we offer the following:

- (1) Commingling of wells as approved on Commission Order No. 7980, Dated July 11, 1985 has resulted in better operation of wells.
- (2) These wells are in same area as wells approved on Order # 7980.
- (3) As shown on attached schematic, Packer will be set between zones with reverse flow check valve installed to prevent higher pressure Dakota Zone below from commingling with Mesa Verde Zone.
- (4) Production will be commingled downhole in production tubing only.
- (5) Fluids from both Zones compatible.
- (6) Ownership Common, including working interests and royalty interests.
- (7) Bottomhole pressures taken on wells in this area have shown Mesa Verde pressure to be 70% of Dakota pressure.
- (8) Nine section plat attached, showing all offset acreage ownership, also shows all wells now commingled in Mesa Verde and Dakota Zones.
- (9) Well to be commingled identified by circle, all other commingled wells by arrow and Division Order Number.
- (10) Caulkins Oil Company will consult with Supervisor of Aztec District Office to determine allocation formula for each of the wells as they are commingled.
- (11) All offset operators have been furnished with Copy of this Application. Receipt for Certified Mail attached.

- (12) Copy of Sundry Notice to BLM on Federal wells attached.
- (13) Copy of Sundry Notice to State of New Mexico on State wells 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  
            National Co-Op Ref. Assoc., Midland, Texas  
            Union of Calif., Midland, Texas  
            Depco, Inc., Denver, Colorado  
            Ladd Petro, Denver, Colorado  
            Columbus Energy Corp., Midland, Texas  
            Curtis J. Little, Farmington, New Mexico  
            Turner Prod. Co., Dallas, Texas  
            El Paso Natural Gas Company, Farmington, New Mexico  
            Mesa Operator Lmt'd Part., Amarillo, Texas  
            Tenneco Oil Company, Englewood, Colorado  
            Occidental Petroleum, Inc., Bakersville, Calif.

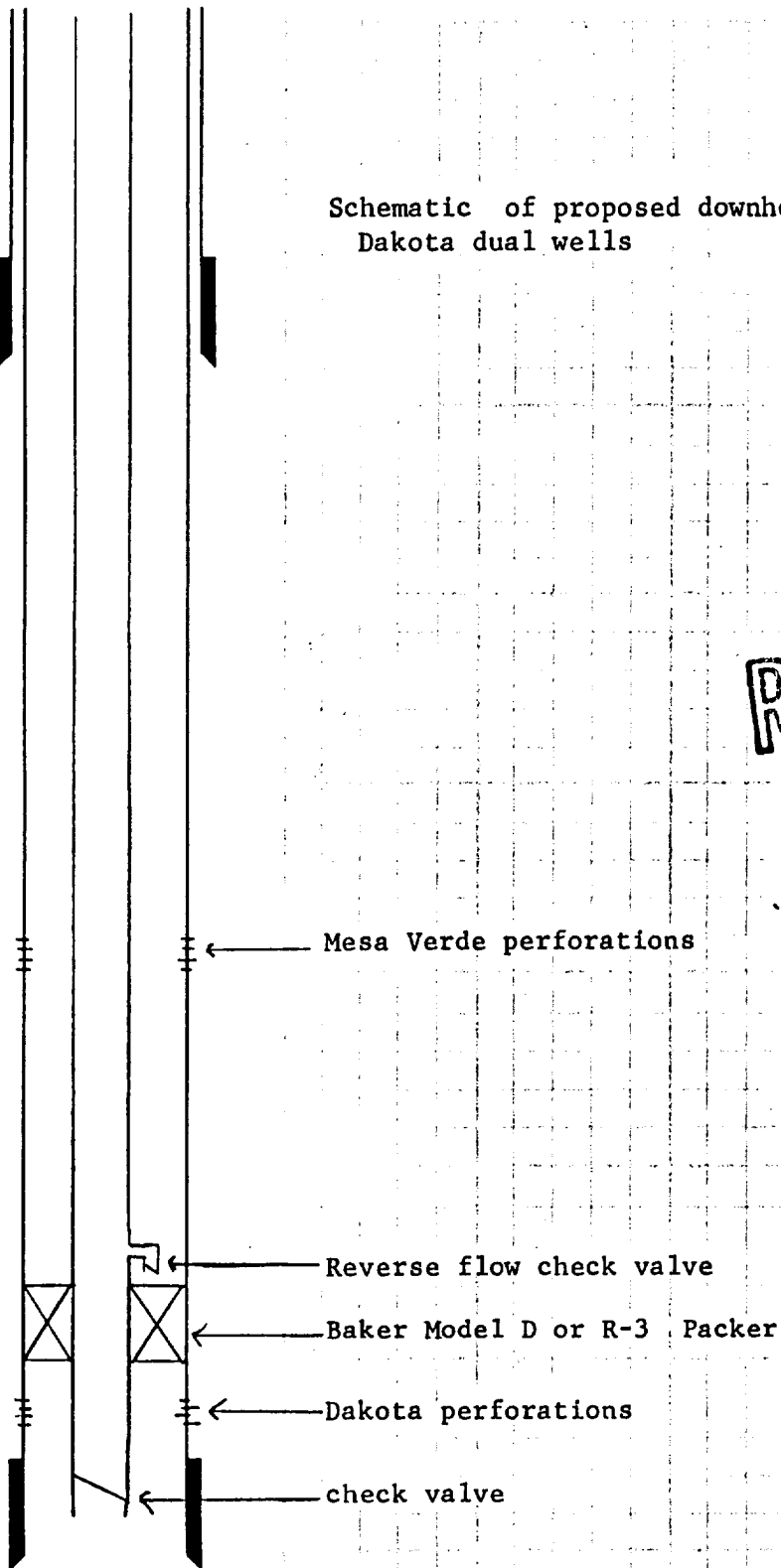
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Schematic of proposed downhole commingling all Mesa Verde  
Dakota dual wells

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<p>Unocal</p> <p>27</p> <p>D-165 6513</p> <p>MD-126 6523</p>	<p>Unocal</p> <p>26</p> <p>D-182 6655</p> <p>MD-125 6620</p>	<p>Unocal</p> <p>25</p> <p>D-157 6377</p> <p>D-110 6556</p>
<p>Merridian</p> <p>34</p> <p>#5924 PMD-8 6604</p> <p>D-2 6496</p>	<p>35</p> <p>45M 6577</p> <p>D-11 6590</p> <p>#5649 MD-45 6592</p> <p>11M 6661</p>	<p>Unocal - Dakota Merridian - MV</p> <p>36</p> <p>D-13 6599</p> <p>D-12 6734</p>
<p>3</p> <p>#5649 MD-58 6553</p> <p>TD-89E 6532</p> <p>D-89 6524</p> <p>MD-58M 6596</p>	<p>2</p> <p>#5649 MD-62 6656</p> <p>MD-62M 6592</p> <p>D-113 6620</p> <p>#7980 MD-113E 6646</p>	<p>1</p> <p>#5649 MD-64 6612</p> <p>MD-118 6743</p> <p>D-118 6370</p> <p>MD-64M 6754</p>

Offset operators: Unocal - Sec. 25, 26, 27, and 36, 27N, 6W

Merridian - West 1/2 Sec. 34 and 36, 27N, 6W