

ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 112-A Tenneco Oil Company made application to the New Mexico Oil Conservation Division on May 5, 1981, for permission to dually complete its Dawson Federal Well No. 1-M located in Unit N of Section 26, Township 27 North, Range 8 West, NMPM, San Juan County, New Mexico, in such a manner as to permit production of gas from the Blanco Mesaverde Pool and the Basin-Dakota Pool.

Now, on this 19th day of May, 1981, the Division Director finds:

(1) That application has been filed under the provisions of Rule 112-A of the Division's Rules and Regulations;

(2) That satisfactory information has been provided that all operators of offset acreage have been duly notified;

(3) That no objections have been received within the waiting period as prescribed by said rule;

(4) That the proposed dual completion will not cause waste nor impair correlative rights; and

(5) That the mechanics of the proposed dual completion are feasible and consonant with good conservation practices.

IT IS THEREFORE ORDERED:

That the applicant herein, Tenneco Oil Company, be and the same is hereby authorized to dually complete its Dawson Federal Well No. 1-M located in Unit N of Section 26, Township 27 North, Range 8 West, NMPM, San Juan County, New Mexico, in such a manner as to permit production of gas from the Blanco Mesaverde Pool and the Basin-Dakota Pool through parallel strings of tubing.

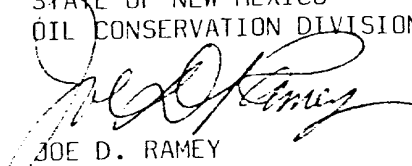
PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A.

PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually thereafter.

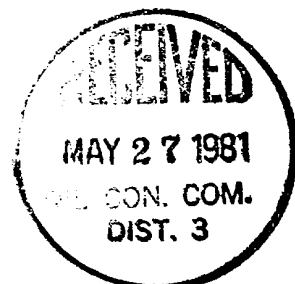
IT IS FURTHER ORDERED: That jurisdiction of this cause is hereby retained for the entry of such further orders as the Division may deem necessary.

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

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
JOE D. RAMEY  
Division Director

SEAL





STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6175

OIL CONSERVATION DIVISION  
BOX 2088  
SANTA FE, NEW MEXICO 87501

DATE 5-15-81

RE: Proposed MC 2  
Proposed DHC \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

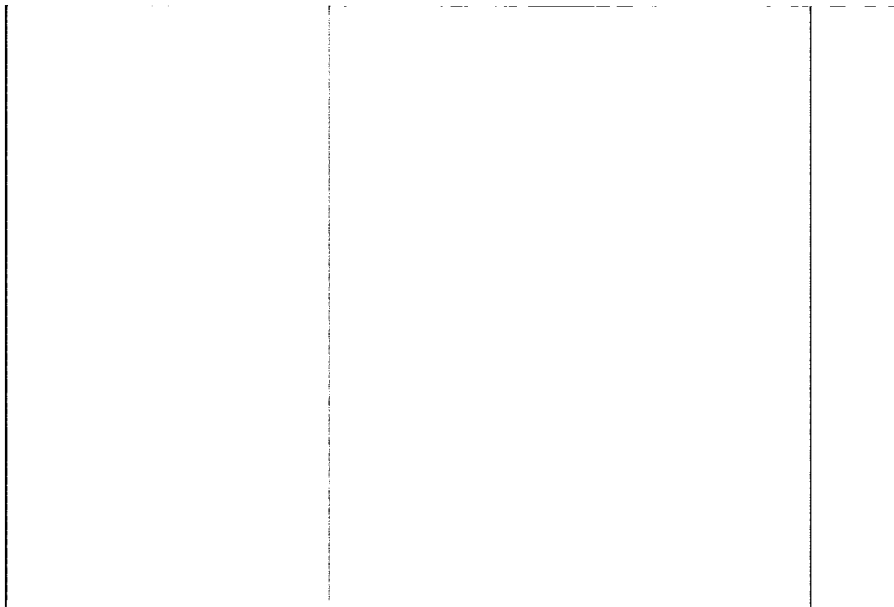
I have examined the application dated 5-4-81  
for the Sinnew Dawson Federal #1M N-26-27N-8W  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

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

Yours truly,

Frank T. Chung



NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
APPLICATION FOR MULTIPLE COMPLETION

Form C-107  
5-1-61

|   |                  |                                |                        |                               |
|---|------------------|--------------------------------|------------------------|-------------------------------|
| Operator<br><b>Tenneco Oil Company</b>          |                  | County<br><b>San Juan</b>      |                        | Date<br><b>April 24, 1981</b> |
| Address<br><b>Box 3249, Englewood, CO 80155</b> |                  | Lease<br><b>Dawson Federal</b> |                        | Well No.<br><b>1-M</b>        |
| Location of Well<br><b>N</b>                    | Unit<br><b>-</b> | Section<br><b>26</b>           | Township<br><b>27N</b> | Range<br><b>8W</b>            |

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES \_\_\_\_\_ NO X
2. If answer is yes, identify one such instance: Order No. \_\_\_\_\_ ; Operator Lease, and Well No.: \_\_\_\_\_

| 3. The following facts are submitted:                | Upper Zone        | Intermediate Zone | Lower Zone        |
|--|-------------------|-------------------|-------------------|
| a. Name of Pool and Formation                        | <b>Mesaverde</b>  |                   | <b>Dakota</b>     |
| b. Top and Bottom of Pay Section (Perforations)      | <b>5117-5180'</b> |                   | <b>7214-7352'</b> |
| c. Type of production (Oil or Gas)                   | <b>Gas</b>        |                   | <b>Gas</b>        |
| d. Method of Production (Flowing or Artificial Lift) | <b>Flowing</b>    |                   | <b>Flowing</b>    |

4. The following are attached. (Please check YES or NO)

| Yes                                 | No                       |   |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)   |

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

**Great Lakes Chemical Corporation, Box 2200, West Lafayette, Indiana 47906**

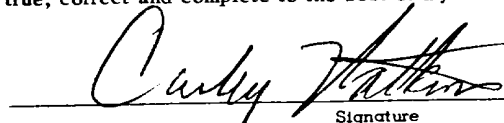
**El Paso Natural Gas, P. O. Box 1492, El Paso, Texas 75221**

**Atlantic Richfield Company, 717 - 17th Street, Suite 1201, Denver, CO 80202**

**Western Oil and Minerals Corp., 415 W. Main, Farmington, New Mexico 87401**

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO \_\_\_\_\_. If answer is yes, give date of such notification **April 24, 1981**.

CERTIFICATE: I, the undersigned, state that I am the **Asst. Div. Adm. Manager** of the **Tenneco Oil Company** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

  
Signature

\*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

LEASE Dawson Fed  
WELL NO. 1M

9-5/8 "OD, 36 LB, K-55 CSG.W/ 225 SX  
TOC @ Surface

7 "OD, 23 LB, K-55 CSG.W/ 450/550' SX  
TOC @ Surface. Cmt to surf both stages.

4-1/2 "OD, 10.5&11.6LB, K-55 CSG.W/ 300 SX  
TOC @ TOL

#### DETAILED PROCEDURE

- 1) MIRUSU. Install BOP.
- 2) DO to PBTD. DO to 5' off bottom.
- 3) Test csg to 3500 psi.
- 4) Circulate hole w/1% KCL water.
- 5) Spot 500 gal 7-1/2% DI HCL @7352'.
- 6) POOH w/tbc.
- 7) Run GR/CCL.
- 8) Perforate Dakota as follows w/3-1/8" premium charge csg gun using 2 JSPF:

7214-22' 8'

7288-92' 4'

7310-12' 2'

7326'-34' 8'

7344-52' 8'

For a total of 30', 60 holes

- 9) Acidize Dakota w/1200 gals weighted 15% HCL and 90 1.1 SG balls down csg.
- 10) Round trip WL junk basket to knock balls off perfs.
- 11) Frac w/30# cross-linked gel in 1% KCL water as follows:
  - 15,000 gal pad
  - 15,000 gal w/.5 ppg 20/40 sand.
  - 15,000 gal w/1.0 ppg 20/40 sand.
  - 15,000 gal w/1.5 ppg 20/40 sand.
  - 15,000 gal w/2.0 ppg 20/40 sand.

Flush to top perf. Desired pressure = 3000 psi.

Total Sand: 75,000# 20/40

Total Gel: 75,000 gal.

- 12) SI overnight.
- 13) RIH w/tbg, S/N, & pump-out plug.
- 14) CO to PBTD
- 15) Land tbg w/bottom of tbg in top set of perfs in BOPS.
- 16) Kick well around w/N<sub>2</sub>.
- 17) Flow until clean-up.

#### Mesa Verde

1. Check PBTD & CO if necessary.
2. Kill well w/1% KCL water, POOH w/tbc.
3. Set WL, set Baker Model 'D' w/expendable plug @ 5300'.

328'

2 3/8" tbg.  
SET @ 5120'

5117-28'

5137-41'

5157-61'

5177-80'

5319'

5493'

MODEL D PKR  
SET @ 5300'

2 3/8" tbg  
SET @ 7255'

7214-22'

7288-92'

7310-12'

7326-34'

7344-52'

7361'

