

*OCC*  
*F.H.M.*

DC-258  
*And 1/1/75*

GULF OIL CORPORATION  
FORT WORTH PRODUCTION DIVISION  
P. O. Box 2167  
Hobbs, New Mexico

November 28, 1955

New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Re: Application to Dually Complete Gulf  
Oil Corporation's H. T. Mattern "B"  
No. 5, Arrow Gas and Penrose-Skelly  
Oil Pools, Lea County, New Mexico.

Gentlemen:

By this letter of application, Gulf Oil Corporation wishes to state the following:

(a) That Gulf Oil Corporation's H. T. Mattern "B" No. 5, located in the C SW/4 SE/4 of Section 30-21S-37E, was completed December 3, 1944, at a total depth of 3800'. The attached Exhibit "A" shows the location of this well on the Gulf Oil Corporation's H. T. Mattern "B" Lease together with the location of all offset wells. The attached Exhibit "B" shows a diagrammatic sketch of the proposed dual completion.

(b) That subject well has  $5\frac{1}{2}$ " casing set at 3673' and cemented with 200 sacks of cement. The well is an oil well producing from the open hole interval 3673-3800' from the Grayburg formation in the Penrose-Skelly Pool.

(c) That the applicant proposes to dually complete the well in the following manner:

1. Perforate the  $5\frac{1}{2}$ " casing within the interval of 3408' to 3618' in the Queen formation in the Arrow Gas Pool.
2. Set production type packer below these perforations at approximately 3660' to separate the two pay zones.
3. Produce the Penrose-Skelly Pool oil through the tubing and the Arrow gas through the tubing-casing annulus.

(d) That the granting of this application for permission to produce the well as a dual completion with gas from the Arrow and oil from the Penrose-Skelly is in the interest of conservation and the protection of correlative rights.

(e) That the applicant will comply with all rules and regulations of the New Mexico Oil Conservation Commission to maintain separation of production from the two pay zones.

New Mexico Oil Conservation Commission  
November 28, 1955  
Page 2

(f) That the manner and method of the proposed dual completion is mechanically feasible and practical.

(g) That by copy of this letter of application, all offset operators are notified of the proposed dual completion.

Therefore, Gulf Oil Corporation requests that the Oil Conservation Commission grant permission to dually complete the subject well as proposed in this application.

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

Respectfully submitted,

  
C. F. Taylor  
Area Superintendent of Production

CRK/bh  
Att'd.

Sworn to and subscribed before me this 28<sup>th</sup> day of November 1955.

7-16-58  
My Commission Expires

J. J. Van Horn  
Notary Public

cc: Amerada Petroleum Corporation  
Box 2040  
Tulsa, Oklahoma

Sinclair Oil & Gas Company  
901 Fair Building  
Fort Worth, Texas

Bay Petroleum Corporation  
Box 216  
Seminole, Texas

Skelly Oil Company  
Box 38  
Hobbs, New Mexico

Magnolia Petroleum Company  
Box 727  
Kermit, Texas

Southern Petroleum Exploration Company  
% J. B. Headley  
Roswell, New Mexico

Markham, Cone and Redfern  
209 Turner Drive  
Hobbs, New Mexico

The Texas Company  
Box 1270  
Midland, Texas

Mepenza Oil Company  
Box 1628  
Hobbs, New Mexico

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13	Mid-Continent	U.S. Texas	14	15	16	17	18	
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EXHIBIT "B"

SCHEMATIC DIAGRAM OF PROPOSED WELL COMPLETION  
GULF OIL CORPORATION - H. T. MATTEN B NO. 5

9-5/8" csg at 291'

3408'

Gas zone to be perforated is Queen

3618'

Circulating Valve

Packer at 3660'

5<sup>1</sup>/<sub>2</sub>" csg at 3673'

Oil zone is Grayburg

Circulating Valve

CRK:ptg  
11-25-55