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

June 21, 1956

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

Re: Application to Dually Complete  
Gulf Oil Corporation's Harry Leonard  
"J" No. 1, Eumont Gas and Arrowhead  
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 Harry Leonard "J" No. 1, located in the C SW/4 NE/4 Section 24-21S-36E, will be completed at an approximate total depth of 3850'. The attached Exhibit "A" shows the location of this well on the Gulf Oil Corporation's Harry Leonard "J" 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 will have 5 $\frac{1}{2}$ " casing set at 3850' and cemented with sufficient cement to isolate the salt section. The well will be an oil well producing from the perforated interval from approximately 3750-3825' from the Grayburg formation in the Arrowhead 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 approximate intervals of 3550-3650' in the Queen formation in the Eumont Gas Pool.
- (2) Set production type packer below these perforations at approximately 3700' to separate the two pay zones.
- (3) Produce the Arrowhead Pool oil through the tubing and the Eumont 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 Eumont and oil from the Arrowhead 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.