

Entered July 1, 1981  
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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. 7276  
Order No. R-6716

APPLICATION OF MOBIL PRODUCING TEXAS  
AND NEW MEXICO INC. FOR THE EXTENSION  
OF THE VERTICAL LIMITS OF THE LANGLIE-  
MATTIX POOL, LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on June 17, 1981,  
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 1st day of July, 1981, the Division  
Director, having considered the testimony, the record, and the  
recommendations of the Examiner, and being fully advised in the  
premises,

FINDS:

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

(2) That the applicant, Mobil Producing Texas and New  
Mexico Inc., seeks the contraction of the vertical limits of  
the Jalmat Pool and the upward extension of the vertical limits  
of the Langlie-Mattix Pool to the following depths underlying  
the following 40-acre tracts in Township 25 South, Range 37  
East:

NE/4 SE/4 of Section 4: 3327 feet;  
NE/4 SW/4 of Section 3: 3215 feet; and  
NE/4 NW/4 of Section 15: 3206 feet.

(3) That the vertical limits of the Jalmat Pool as defined  
by Order No. R-520, dated August 12, 1954, include the Tansill  
and Yates formations and all but the lowermost 100 feet of the  
Seven Rivers formation.

(4) That the vertical limits of the Langlie-Mattix Pool, as defined by said Order No. R-520, include the lowermost 100 feet of the Seven Rivers formation and all of the Queen formation.

(5) That there has been some disparity among some geologists as to the actual base of the Seven Rivers formation and the top of the Queen formation and hence as to the location of the 100-foot marker separating the Jalmat and Langlie-Mattix Pools.

(6) That as a result of this disparity, the subject well and certain other wells in the general area which are classified as Langlie-Mattix wells have perforations extending across the aforesaid 100-foot marker in the Seven Rivers formation and into the Jalmat Pool.

(7) That such crossing over from one pool into the other in this case appears to be an unintentional error.

(8) That to rectify the aforesaid error would require workover operations on the subject well which would be expensive and might endanger the productivity of the subject well, and would actually serve no beneficial purpose, inasmuch as the production and reservoir characteristics of the perforations immediately above and below the 100-foot marker are quite similar.

(9) That a reasonable solution to the problem is to contract the vertical limits of the Jalmat Pool and to adjust the vertical limits of the Langlie-Mattix Pool upward to the depths described in Finding No. (2) above in order to accommodate the present perforations in the Lower Seven Rivers formation which are actually within the present Jalmat vertical limits in applicant's Humphrey Queen Unit Wells Nos. 13 and 16 and Langlie Mattix Queen Unit Well No. 10, respectively.

(10) That such adjustment will prevent waste and should not impair correlative rights and should be approved.

IT IS THEREFORE ORDERED:

(1) That the lowermost vertical limit of the Jalmat Pool underlying each of the following tracts in Township 25 South, Range 37 East, NMPM, Lea County, New Mexico, dedicated to the indicated Mobil Producing Texas and New Mexico wells is hereby contracted to the depth shown as the new pool boundary, and the uppermost limit of the Langlie-Mattix Pool underlying each of said tracts is hereby extended upward to the same subsurface depth:

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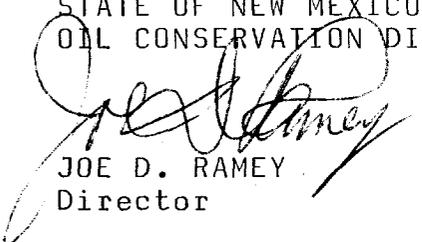
<u>Tract</u>	<u>Section</u>	<u>Well Name and No.</u>	<u>New Pool Boundary</u>
NE/4 SE/4	4	Humphrey Unit No. 13	3327 feet
NE/4 SW/4	3	Humphrey Unit No. 16	3215 feet
NE/4 NW/4	15	Langlie Mattix Unit No. 10	3206 feet

(2) That the effective date of this order with respect to each of the aforesaid wells shall be the date said well was perforated above the old vertical limit of the Langlie-Mattix Pool.

(3) That 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

  
JOE D. RAMEY  
Director

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