

Entered April 23, 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
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 7057 DE NOVO
Order No. R-6524-A

APPLICATION OF DOYLE HARTMAN FOR
EXTENSION OF VERTICAL LIMITS OF
THE LANGLIE MATTIX POOL, LEA
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on March 18, 1981, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 23rd day of April, 1981, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, and being fully advised in the premises,

FINDS:

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

(2) That the applicant, Doyle Hartman, 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 24 South, Range 37 East, Lea County, New Mexico: 3364 feet underlying the SE/4 SE/4 of Section 30, dedicated to applicant's Corrigan Well No. 1; 3389 feet underlying the NE/4 SE/4 of Section 30, dedicated to applicant's Corrigan Well No. 2; and 3390 feet underlying the SE/4 SW/4 of Section 20, dedicated to applicant's Harrison Well No. 1.

(3) That the matter came on for hearing at 9 a.m. on October 29, 1980, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter and, pursuant to this hearing, Order No. R-6524 was issued on November 25, 1980, which granted the application.

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(4) That on December 29, 1980, application for Hearing De Novo was made by ARCO Oil and Gas Company and the matter was set for hearing before the Commission.

(5) That the matter came on for hearing de novo on March 18, 1981.

(6) 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.

(7) 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.

(8) 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.

(9) That as a result of this disparity, the subject wells 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.

(10) That the top of the Langlie Mattix Pool, perforated intervals, and percentage of the perforated interval in the Jalmat and Langlie Mattix Pools are as follows:

<u>Well</u>	<u>Langlie Mattix Pool Top</u>	<u>Perforated Interval</u>	<u>Percent in Jalmat</u>	<u>Percent in Langlie Mattix</u>
Corrigan No. 1	3434	3364-3502	51	49
Corrigan No. 2	3468	3389-3503	69	31
Harrison No. 1	3435	3390-3454	70	30

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

(12) That to rectify the aforesaid error would require workover operations on the subject wells which would be expensive and might endanger the productivity of the subject wells.

(13) That a reasonable solution to the problem is to adjust the vertical limits of the Langlie Mattix Pool upward under each of the above-described tracts in order to accommodate the present

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perforations in the lower Seven Rivers formation in the subject wells which are actually within the present Jalmat vertical limits.

(14) That ARCO Oil and Gas Company, as offset operator to the subject wells, did not object to the extension and contraction of the vertical limits of said pools but did recommend that the gas allowables for the subject wells be restricted to that which a well on a 40-acre Jalmat Pool proration unit would receive or 94 MCF per day per well.

(15) That to prevent drainage from offset leases, the production from the wells should be restricted.

(16) That establishing a gas allowable based on the percentage of the perforated interval in the Langlie Mattix Pool multiplied by the casinghead gas allowable for wells in the pool is a practicable method for restricting production from said wells.

(17) That inasmuch as the subject wells are classified as Langlie Mattix wells, no allowable should be assigned in the Jalmat Pool.

(18) That the casinghead gas allowable for wells in the Langlie Mattix Pool is 800 MCF per day.

(19) That the casinghead gas allowables for the subject wells are as follows:

<u>Well</u>	<u>Percentage of perforated interval in Langlie Mattix Pool</u>	<u>Daily casinghead gas allowable</u>
Corrigan No. 1	49%	392 MCF
Corrigan No. 2	31%	248 MCF
Harrison No. 1	30%	240 MCF

(20) That the adjustment of the vertical limits of the Langlie Mattix Pool and the Jalmat Pool and restricted allowables to the said wells in the Langlie Mattix Pool will prevent waste and should not impair correlative rights and should be approved.

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IT IS THEREFORE ORDERED:

(1) That the lowermost vertical limits of the Jalmat Pool underlying the SE/4 SE/4 and the NE/4 SE/4 of Section 30, and the SE/4 SW/4 of Section 20, Township 24 South, Range 37 East, NMPM, Lea County, New Mexico, are hereby contracted to a subsurface depth of 3364 feet, 3389 feet, and 3390 feet, respectively, and the uppermost limits of the Langlie Mattix Pool underlying said tracts are hereby extended upward to the same subsurface depths.

(2) That the daily casinghead gas allowables for the subject wells are as listed below:

<u>Lease</u>	<u>Well No.</u>	<u>Unit Letter</u>	<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>Allowable</u>
Corrigan	1	P	30	24S	37E	392 MCF
Corrigan	2	I	30	24S	37E	248 MCF
Harrison	1	N	20	24S	37E	240 MCF

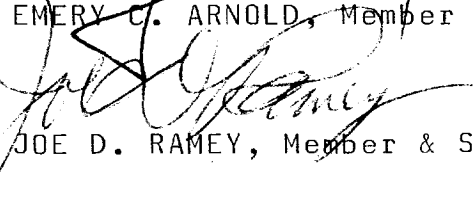
(3) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

ALEX J. ARMIJO, Member


EMERY C. ARNOLD, Member


JOE D. RAMEY, Member & Secretary

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