

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

CASE NO. 228
ORDER NO. R-33

IN THE MATTER OF THE APPLICATION OF
AMERADA PETROLEUM CORPORATION TO
DUALLY COMPLETE ITS STATE LMT NO. 2
WELL, LOCATED IN SECTION 36, T. 23 S,
R. 36 E, IN THE LANGLIE-MATTIX POOL,
LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

This matter came on for hearing at 10:00 o'clock a.m., on July 25, 1950 pursuant to legal notice, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

The Commission having heard the evidence 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 the subject matter and of the interested parties.
2. That although recent experiments tend to show that mechanical packers and other devices are now available for engineering successful dual completion, the Commission is yet to be convinced of the soundness of dual and multiple completion as a general practice in New Mexico without specific control of each such project, and

IT IS THEREFORE ORDERED that effective July 25, 1950 the Amerada Petroleum Corporation, the applicant herein be and it hereby is authorized to dually complete and produce its State LMT No. 2 well located in the southeast quarter northwest quarter section 36, T. 23 S, R. 36 E, N.M.P.M., Langlie-Mattix pool, Lea County, New Mexico, in order that gas from the Yates-Seven Rivers sand (2930 feet to 3430 feet) through the annulus between the casing and the tubing, and oil from the lower Queen formation 3508 feet to 3600 feet) through the tubing may be produced by proper perforations and the use of proper packer or packers;

PROVIDED, HOWEVER, that said State LMT No. 2 well shall be dually completed and produced in such a manner that there will be no commingling with the well-bore of the said well of gas, or oil and gas produced from the two separate strata, and

PROVIDED FURTHER that said well shall be equipped in such a manner that reservoir pressures may be determined separately for each of the two separate strata, and further be equipped with all necessary connections required to permit recording meters to be installed and used at any time as may be required by the Commission or its representatives, in order that natural gas, or oil and gas, from each separate stratum may be accurately measured and the gas-oil ratio determined, and

PROVIDED FURTHER THAT the operator shall make any and all tests including segregation tests and tests for leakage outside the casing but not excluding other tests and/or determinations at any time and in such manner as may be deemed necessary by the Commission and remedy any situation reflected.

The original and all subsequent tests shall be witnessed by a representative of the Commission and by representatives of offset operators if any there be, and the results of each test properly attested to by the applicant and all witnesses and shall be filed with the Commission within ten (10) days after the actual completion of each such test and,

PROVIDED FURTHER that prior to the time said well is dually completed, the applicant shall supply the Commission, for its approval, with plat or drawing showing the proposed method and manner of completion, together with an electrical or radio-activity log showing the location and extent of each separate stratum and the proposed perforations, and

PROVIDED FURTHER that upon the dual completion of the well the applicant shall submit to the Commission a diagrammatic sketch of the mechanical installation which was actually used to produce the seal from both zones or strata, showing tube and location of packers, other devices used, location and extent of perforations, name and depth of each producing zone or strata and special report of production, gas-oil ratio and reservoir pressure determination of each horizon or stratum at the time of completion.

IT IS FURTHER ORDERED that jurisdiction of this case is hereby retained by the Commission for such further order or orders in the premises as may from time to time seem necessary or convenient to the Commission and this case shall not be considered as establishing a precedent for authorizing general dual completions in the Langlie-Mattix pool, and upon failure of the applicant to comply with any provision or provisions of this order, by the authority hereunder shall terminate upon ten (10) days' written notice by the Commission.

DONE at Santa Fe, New Mexico, this 25th day of July 1950.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

THOMAS J. MABRY, CHAIRMAN

GUY SHEPARD, MEMBER

R. R. SPURRIER, SECRETARY