BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE NO. 431 ORDER NO. R-218

THE APPLICATION OF SHELL OIL COMPANY FOR AN ORDER GRANTING PERMISSION TO DUALLY COMPLETE AND PRODUCE ITS SHELL STATE "A", WELL NO. 2, LOCATED IN THE NE/4 NE/4, SECTION 12, TOWNSHIP 21 SOUTH, RANGE 35 EAST, NMPM, LEA COUNTY, NEW MEXICO IN THE EUNICE-MONUMENT POOL.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on November 20, 1952, at Santa Fe, New Mexico, before the Oil Conservation Commission, hereinafter referred to as the "Commission".

NOW, on this 28 day of November 1952, the Commission, a quorum being present, having considered the records and the testimony adduced, and being fully advised in the premises,

FINDS:

- (1) That due notice having been given as required by law, the Commission has jurisdiction of the case and the persons and subject matter thereof.
- (2) That applicant's Shell State "A", No. 2 well, NE/4 NE/4 Section 12, Township 21 South, Range 35 East, NMPM, Lea County, New Mexico, was completed in December 1936 as an oil well producing from the Queen-Grayburg formation in the open-hole interval 3741-3891, having drilled through the Yates-Seven Rivers gas zone at an approximate depth of 3100-3650 feet.
- (3) That although recent experiments tend to show that mechanical packers and other devices are ordinarily available for successful dual/multiple completions of oil gas wells, the Commission is unconvinced of the soundness, as a waste-prevention practice, of such dual/multiple completions as a general practice in New Mexico without specific controls over each such project.

IT IS THEREFORE ORDERED:

That the applicant herein, Shell Oil Company, be, and it hereby is authorized to dually complete and produce its Shell State "A", Well No. 2, NE/4 NE/4, Section 12, Township 21 South, Range 35 East, NMPM, Lea County, New Mexico, in such a manner that gas from the Yates-Seven Rivers formation may be produced through the annular space between the casing

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and tubing, and oil from the Queen-Grayburg formation through the tubing by proper perforations and the installation of a proper packer or packers:

PROVIDED, HOWEVER, That subject well shall be completed, and thereafter produced, in such a manner that there will be no commingling within the well bore, either within or outside the casing of gas, oil and gas, or oil produced from either or both of the separate strata, and,

PROVIDED FURTHER, That said subject well for dual completion and production shall be equipped in such a way that reservoir pressures may be determined separately for each of the two specified 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, oil, or oil and gas from each separate stratum may be accurately measured and the gas-oil ratio thereof determined, and,

PROVIDED FURTHER, That the operator applicant shall make any and all tests, including segregation tests, but not excluding other tests and/or determinations at any convenient time and in such manner as deemed necessary by the Commission; the original and all subsequent tests shall be witnessed by representatives of the Commission and by representatives of offset operators, if any there be, at their election, and the results of each test properly attested to by the applicant herein and all witnesses, and shall be filed with the Commission within ten (10) days after the completion of such test, and,

PROVIDED FURTHER, That upon the actual dual completion of such subject well, applicant shall submit to the Commission a diagrammatic sketch of the mechanical installation which was actually used to complete and produce the seal between the strata, and a special report of production, gas/oil ratio and reservoir pressure determination of each producing zone or stratum immediately following completion.

IT IS FURTHER ORDERED, That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after proper notice and hearing, the Commission may terminate the authority hereby granted and require applicant or its successors and assigns to limit its activities to regular single-zone production in the interests of conservation.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

EDWIN L. MECHEM. Chairman

GUY SHEPARD, Member

R. R. SPURRIER, Secretary



SHELL OIL COMPANY

THIS LETTER IS FROM OUR FIELD OFFICE

AT 2000 2007 Albora, Lat. Latifico

Cotober 7, 1992

Case 431

Trib toot:

Appellention to braking templete chekk state 1-2, implee Field her Constr, how exchange a challenging (Ses)- pron-inging

(Mil) Tell

Cil Conservation Commission State of New Poxico Sinta Pe, Lew Mexico

Gentleren:

OIL CONSERVATION COMMISSION SANTA FR. NEW MEXICO INTA FE. INC.

By means of this application the shell Gil Company wishes to state the following:

- (a) That Shell Stabe 1-2, located in the NS/4 of the NS/4 of deciden 12, Y-31-3, Y-35-3, was completed in December, 1936 at a total depth of 3891 feet. The all ended Stabilit A shows the location of this and all other wells on the Shell State A lease together with the Locations of all offset welks.
- (b) That the suid well was completed as in oil well producing from the interval 3741-3891 feet in the queen-Gregiung formation after having been drilled through the Yates-Beyon Mivers gas productive interval extending from approximately 3100 feet to 3650 See. The a conded Midbit 3 is a type log of the Sunice-Commont area. It is planted to run a radio-active survey of Shell State -- 2 during the dual completion operation and a copy of the log till be filed with the Commission.
- (c) That the applicant proposes to (1) perform the 7-inch casing opposite the lates-seven livers gos-productive horizons and (2) set a Seker retainer production packer at approximately 3720 feet in the 7-inch eachny. The exact interval(s) to be performed will be selected after the above-mentioned radio-active survey has been completed.
- (d) That the applicant proposes to dually complete the said well to produce oil from the user-Groyburg formation through the tubing and was from the Mater-Jever Livers for millon through the White cashing. The manner and nethod of the proposed that completion are shown on whicht to
- (e) That the months of this applicables for parallalan to produce dually oil from the paper-leaguest formation and the from the interests of conservation and the protection of correlative mights.

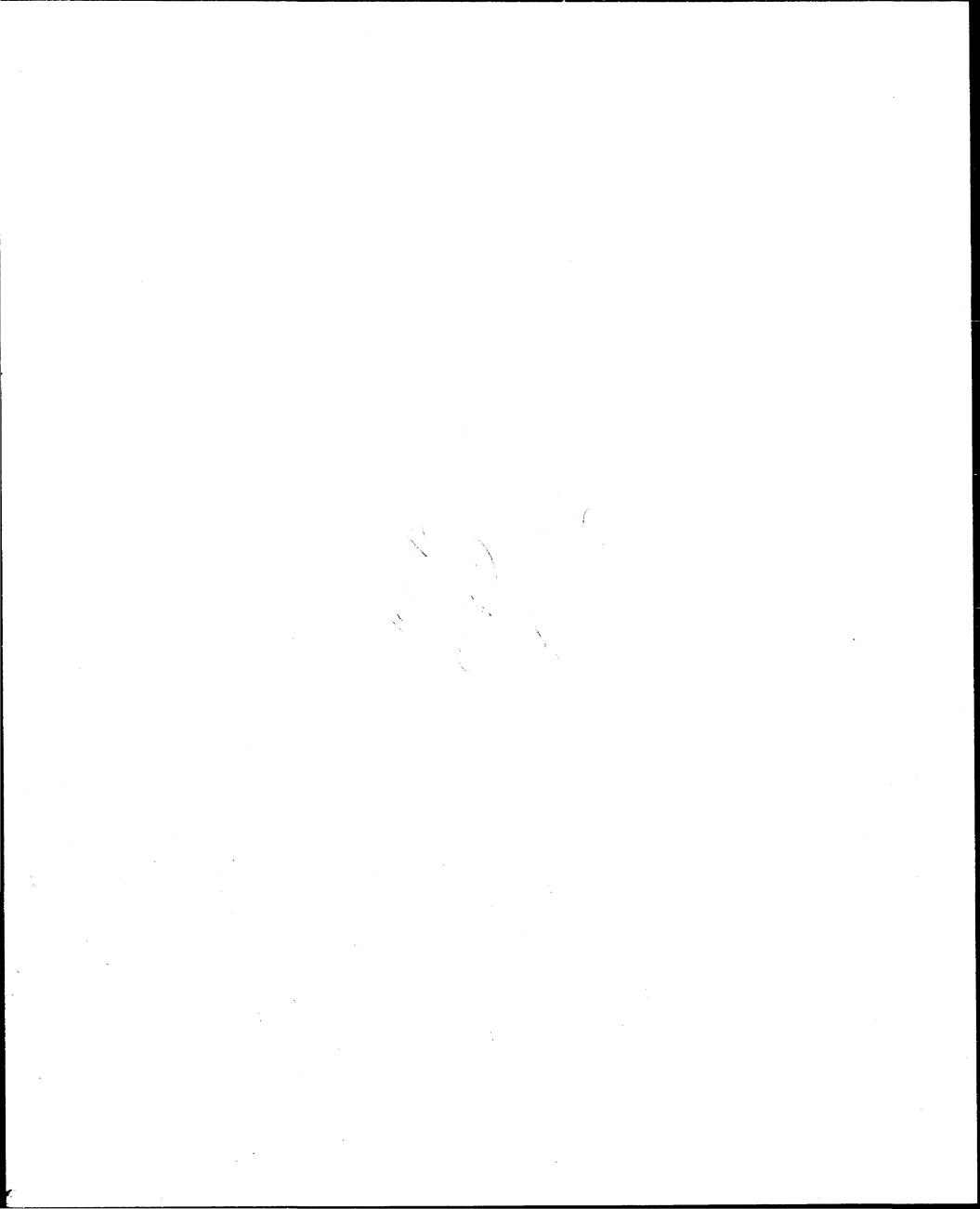
- (1) That the applicant will do such things as may be required of it by the New Mexico (il Conservation Con ission in the raintenance of separation of production from said two horizons.
- (a) That the manner and method of the proposed dual completion is mechanically feasible and mactical.

Therefore, the Shell Oil Company requests that the Oil Conservation Commission set a certain depruyon which this application may be heard and after said hearing to grant permission in order that the applicant may dually after Shell State A-2 so that oil from the fucen-Grayburg formation may be produced through the tubing and gas from the Yates-Seven Rivers formation through the casing.

Respectfully submitted,

STLAIL CIL COMPANY

/ BM: C. R. Dickel



Oil Production.

Gas Flow Line

W/ Lasing Comented o 14391

Casing Tet Perforated w/ 1-21 grans sheets / foet Approx. From 1101 to 11600

9% Casing Cemented . wype sxs. neat

Approx. From \$1001 to \$500 Casing Tet Perforated

Otis Side Door Choke Blanked Off

a stoor

Baxer Model "D" Retainer Production Packer Set (a 1710)

Tubing Perforations

7" Casing Cemented @ 1741 w/ 171 sxs neat

TO MOLO

Devail of Mechanical Madisment to be Installed in Dually Completed Eunice and Monument Wells for Submission to Oll Conservation Commission

Exhibit C - To Accompany Application to Dually Complete Shell # ... A-&

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