



BEFORE THE OIL AND GAS CONSERVATION COMMISSION  
OF THE STATE OF COLORADO

IN THE MATTER OF THE INVESTIGATION  
TO TAKE MEASURES TO PREVENT WASTE  
OF OIL AND GAS IN THE DUNE RIDGE  
FIELD, LOGAN COUNTY, COLORADO

CAUSE NO. 54  
ORDER NO. 54-5

REPORT OF THE COMMISSION

This cause came on for hearing before the Commission on October 20, 1959, at 10:00 a.m., in the Game Room of the Albany Hotel, Denver, Colorado, after publication of Notice of Hearing as required by law, on the application of the Shell Oil Company for an order authorizing completion of the C. Luft, Sr. "A" No. 3 well as an injection well, and approving the proposed enlargement of its water flood operation to include within the previously approved Unit Area additional lands located in Logan County, Colorado.

FINDINGS

The Commission finds as follows:

1. That due notice of the time, place and purpose of the hearing has been given in all respects as required by law.
2. That the Commission has jurisdiction over the subject matter embraced in said Notice, and of the parties interested therein, and jurisdiction to promulgate the hereinafter prescribed order.
3. That the "D" Sand formation constitutes a common source of supply of oil and gas underlying, in addition to the Unit Area set forth in Order No. 54-4, the following described lands in Logan County, Colorado, to-wit:

Township 7 North, Range 52 West, 6th P.M.

Section 29: NE $\frac{1}{4}$  SW $\frac{1}{4}$ , SW $\frac{1}{4}$  SW $\frac{1}{4}$ , NW $\frac{1}{4}$  SE $\frac{1}{4}$ ,  
and SE $\frac{1}{4}$  SE $\frac{1}{4}$

Section 31: SE $\frac{1}{4}$  NE $\frac{1}{4}$

Section 32: NW $\frac{1}{4}$  NW $\frac{1}{4}$ , SW $\frac{1}{4}$  SE $\frac{1}{4}$ , and E $\frac{1}{2}$  E $\frac{1}{2}$

Township 6 North, Range 52 West, 6th P.M.

Section 5: Lots 1, 2, 3, 4, and SW $\frac{1}{4}$  NW $\frac{1}{4}$

Section 6: E $\frac{1}{2}$  NE $\frac{1}{4}$

4. That the Amendatory Agreement, as presented by Applicant, sets forth a proposed enlargement of the water flood operation to include within the Unit Area the additional lands described in Finding 3 above, and is necessary to increase the ultimate recovery of oil and gas from the Dune Ridge Field, and should therefore be approved as being in the public interest for conservation.

5. That the expansion of the waterflood project as requested by applicant by the completion of the C. Luft, Sr. "A" No. 3 well as an injection well is essential for efficient operation of said waterflood project and should be approved.



6. That avoidable waste of oil and gas will be prevented by the operation proposed by Applicant, and the correlative rights of all parties in the Dune Ridge Field will not be adversely affected and will be reasonably protected under such a plan of operation.

### ORDER

NOW, THEREFORE, IT IS ORDERED, that the following rules and regulations shall apply hereafter to the lands set forth in this order, in addition to other applicable rules and regulations and orders of the Commission, if any, heretofore adopted and not in conflict herewith:

Rule 1. The "D" Sand formation constitutes a common source of supply of oil and gas underlying the following described lands in Logan County, Colorado, which include the Dune Ridge Unit Area as set forth in Order No. 54-4, and the additional area herein described in Finding 3 which, by reference, is made a part hereof:

Northeast Quarter of the Southwest Quarter ( $NE\frac{1}{4} SW\frac{1}{4}$ ), Northwest Quarter of the Southeast Quarter ( $NW\frac{1}{4} SE\frac{1}{4}$ ), and South Half of the South Half ( $S\frac{1}{2} S\frac{1}{2}$ ) of Section Twenty-nine (29); Southeast Quarter of the Northeast Quarter ( $SE\frac{1}{4} NE\frac{1}{4}$ ), and East Half of the Southeast Quarter ( $E\frac{1}{2} SE\frac{1}{4}$ ) of Section Thirty-one (31); all of Section Thirty-two (32), Township Seven (7) North, Range Fifty-two (52) West of the 6th P.M.; and

Lots One (1), Two (2), Three (3) and Four (4); Southwest Quarter of the Northwest Quarter ( $SW\frac{1}{4} NW\frac{1}{4}$ ) of Section Five (5), and East Half of the Northeast Quarter ( $E\frac{1}{2} NE\frac{1}{4}$ ) of Section Six (6), all in Township Six (6) North, Range Fifty-two (52) West of the 6th P.M.,

which area is presently known as the Dune Ridge Unit Area.

Rule 2. The Amendatory Agreement covering the Dune Ridge Unit Area herein defined, and providing for Unit operations of the "D" Sand underlying said Unit Area, is hereby approved.

Rule 3. The expansion of the waterflood project by the completion of the C. Luft, Sr. "A" No. 3 well, located in the center of the Southeast Quarter of the Northeast Quarter ( $C SE\frac{1}{4} NE\frac{1}{4}$ ) of Section Six (6), Township Six (6) North, Range Fifty-two (52) West, 6th P.M., Logan County, Colorado, as an injection well in the "D" Sand of the Dune Ridge Unit Area, is hereby approved, and Applicant is authorized to inject water into said formation through said well in such quantities as shall be reasonably determined by Applicant to best achieve the maximum recovery of oil and gas without waste.

IT IS FURTHER ORDERED, that the Commission expressly reserves its right, after notice and hearing, to alter, amend or repeal any and/or all of the above orders, rules and regulations:

ORDERED this 20th day of October, 1959.

THE OIL AND GAS CONSERVATION COMMISSION  
OF THE STATE OF COLORADO

By Annabel Hogsett  
Annabel Hogsett, Secretary