BEFORE THE OIL CONSERVATION COMMISSION
OF THE
STATE OF NEW MEXICO

SUBJECT: DUAL COMPLETION

APPLICATION OF TIDE WATER ASSOCIATED OIL COMPANY FOR DUAL COMPLETION OF ITS A. B. COATES "C" WELL #1 (LOS CRUCES 032650-b), SE/4, NW/4, Section 24, TOWNSHIP 25 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO, WITH GAS PRODUCING ZONES IN THE QUEEN & GLORIETA (PADDOCK).

# A P P L I C A T I O N

COMES NOW, Tide Water Associated Oil Company, a Delaware Corporation, operating in New Mexico from a field office in Hobbs, and respectfully represents to the Oil Conservation Commission of the State of New Mexico as follows:

1. That Tide Water Associated Oil Company's A. B. Coates "C" Well #1, located in the SE/4 of the NW/4 of Section 24, Township 25 South, Range 37 East, N.M.P.M., Lea County, New Mexico, was completed February 3, 1951 as a gas well with absolute open flow potential of 2700 MCF/day from the Queen formation from open-hole (2950'-3300'). Seven-inch production casing was set at 2950' and cemented with 1200 sacks. Miscellaneous report on semi-annual shut-in gas well pressure, (Form C-103), was filed and approved June 22, 1953, on the Langlie Mattix, Queen gas zone.

2. That attached hereto is a plat showing the location of A. B. Coates "C" #1 and surrounding wells and leaseholds, with contours showing the extent of Queen sand production which indicates that this sand at this location is a common source of supply with the Langlie Mattix Queen sand gas pool.

3. That applicant filed notice of intention to drill or recomplete (Form C-101) on June 4, 1953 in lieu of Form 9-331-a.

4. That applicant drilled deeper A. B. Coates "C" #1 from 3300' to 4820', where a drill stem test indicated that the Glorieta (Paddock) within the defined limits of the Justis (Gas) Pool was commercially productive and set 5" liner from 2825' to 4815' and cemented with 250 sacks.

5. That applicant represents it is practical and economically feasible to dually complete the A. B. Coates "C" #1 to produce gas from the Glorieta (Paddock) through the tubing and gas from the Queen through the annular space between casing and tubing by proper perforations and installation of proper packer and wellhead connections, and in such manner that there will be no commingling of production between the two reservoirs.

6. Applicant further represents that the granting of this application for permission to produce dually gas from the Queen formation and gas from the Glorieta (Paddock) formation is in the interest of conservation and the protection of correlative rights.

7. That applicant proposes to dually complete said well to produce gas from the Queen zone through the tubing-casing annulus and gas from the Glorieta (Paddock) zone through the tubing in the following manner:

(a) Perforate the Glorieta (Paddock) zone from 4675' to 4715' as indicated by radioactivity log.

(b) Perforate Queen zone 2980' to 3150' as indicated by radioactivity log.

(c) Set production type packer at approximately 4600', between the perforations at 4675'-4715' and 2980'-3150'.

(d) Set side-door choke in tubing string @ approximately 4540' to permit bottom hole pressure tests of individual zones.

8. That upon actual completion of the subject well applicant will submit to the Commission a special report of open-flow potentials and reservoir pressure determination of each zone immediately following completion.

9. That copies of this application have been sent to operators of all producing properties adjoining said Coates "C" lease of applicant; and copies of ~~radioactivity~~ electrical log along with diagrammatic sketch of the mechanical installation to be used are filed with the Commission.

WHEREFORE, Applicant requests that a hearing be held to show cause for placing the Queen gas zone of A. B. Coates "C" well #1 within defined limits of the Langlie Mattix gas pool and be permitted to dually complete the subject well in the manner aforesaid.

Done at Houston, Texas, on this the 27th day of August, 1953.

Respectfully submitted,

TIDE WATER ASSOCIATED OIL COMPANY

By: J. M. Tharp, Jr.
J. M. Tharp, Jr.

JMT: stm