



COQUINA OIL CORPORATION

P. O. DRAWER 2960
MIDLAND, TEXAS 79702

(915) 682-6271

July 21, 1978

Department of Energy and Minerals
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Downhole Commingling
Vivian No. 1 Well

Attention: Mr. Joe D. Ramey
Secretary Director

Gentlemen:

Coquina Oil Corporation respectfully requests administrative approval to commingle production from the Drinkard and Wantz Granite Wash Pools in the wellbore of its Vivian No. 1 well in accordance with New Mexico Oil Conservation Commission Rule 303-C and that its earlier request for multiple completion be cancelled.

Approval to downhole commingle the Drinkard and Wantz Granite Wash Pools has been previously obtained for Texaco's A.H. Blinebry Federal (NCT-1) Well No. 38 under NMOCC Order No. R-5657.

Coquina had requested dual completion on subject well with a hearing held before examiner Mr. Nutter. By telephone conversation with Mr. Nutter on June 12, 1978, testing of the shut-in Drinkard zone was required to evaluate its status as either a flowing oil or flowing gas zone. After setting a tubing plug to exclude Granite Wash production, a sliding sleeve was opened for testing of the Drinkard through tubing. A 24 hr. test on July 1, 1978, at the end of a 72 hr. flow period, flowed 17.9 BO, 6 BW, 503 MCF (GOR 28100) and reflected flowing oil well status and commingling potential with the Granite Wash flowing oil zone.

The attached "Data Sheet for Wellbore Commingling" provides the data required by NMOCC Rule 303-C-2(a,b,f,g, and h). Form C-116's are attached showing test data for the Granite Wash just prior to shut-in on June 22, 1978 to test the Drinkard, and for the Drinkard test on July 1, 1978. Production data tabulations and decline curves for each zone are attached as are a well and lease plat and wellbore diagrams for existing and proposed completion.

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This well was operated as a single completion from the Drinkard until recompletion as a single from the Granite Wash in December 1977. The Drinkard production history decline curve appears to offer a more stabilized basis for commingling than the July 1, 1978 test which probably reflects "flush" rates after six months shut-in.

Coquina proposes to pull tubing and packer and rerun tubing with a tubing anchor to accommodate commingled flowing oil production from both zones now and artificial lift when later required.

It is recommended that 41% of the commingled oil and 62% of the gas be assigned to the Drinkard zone with 59% of the oil and 38% of the gas assigned to the Wantz Granite Wash in accordance with decline curve and test data.

Ownership of the two zones is common throughout. Static bottom hole pressure for the zones are in the same range and both zones are flowing oil status with the commingled oil rate less than 50 BOPD. Commingling will not jeopardize efficiency of any secondary recovery operations. All off-set operators have been notified of this application by copy of this letter.

Yours very truly,

COQUINA OIL CORPORATION



J. C. Solari
Manager of Reservoir

JCS:kyr
attachments

cc: Off-set Operators
(see attached list)

Mr. Jason Kelliham
P. O. Box 1769
Santa Fe, New Mexico 87501

NMOCC
✓ P. O. Box 1980
Hobbs, New Mexico 88240

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