

Release Date:
December 29, 1988

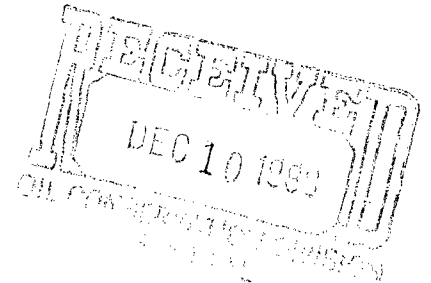


David L. Wacker
Division Manager
Production Department
Hobbs Division
North American Production

Conoco Inc.
726 East Michigan
P.O. Box 460
Hobbs, NM 88241
(505) 397-5800

December 6, 1988

Mr. William LeMay, Director
State of New Mexico
Energy & Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501-2088



Dear Mr. LeMay:

Application to Downhole Commingle
Baish A No. 14, Unit D, Section 22,
T17S, R32E, Lea County, New Mexico

Conoco Inc. respectfully requests approval to downhole commingle the Maljamar Abo and Baish Wolfcamp pools in the Baish A No. 14. This well was recently drilled and was proposed to be dually completed in the Abo and Wolfcamp. However, after completion and testing, the well was determined to be uneconomical as a dual.

Additional data relative to this commingling is listed below:

1. A lease plat is attached showing the location of this well.
2. C-116's are included providing a test for each zone.
3. Oil reserves calculations for the Wolfcamp formation. Abo production is too low to establish reserves.
4. Estimated shut-in bottomhole pressures are 1530 psi for the Wolfcamp and 2029 psi for the Abo. This well will be artificially lifted to remove liquids.
5. Ownership of interests in both formations is the same.
6. The quality of crude is essentially the same. Other wells in the area are presently downhole commingled in the Wolfcamp/Abo. These wells are: a. Baish A No. 12, b. Baish A No. 13, and c. Baish B No. 1.
7. The following allocation percentages are suggested based on the ratio of production from each zone:

Mr. William LeMay
Page 2
December 6, 1988

	<u>Oil</u>	<u>Gas</u>
Abo	1%	6%
Wolfcamp	99%	94%

8. Wolfcamp Completion

Perf Interval w/4 JSPF
9800'-9906'

Acidize w/15% HCL
40 BBL & 150# rock salt

9516'-9690'

32 BBL & 250# rock salt &
30 BBL & 150# rock salt

9040'-9129'

30 BBL & 200# rock salt &
500 gal & 12 balls

Squeezed 9040'-9129' w/150 sx cement.

Abo Completion

Perf Interval
8932'-8952' w/4 JSPF
(squeeze w/200 sx cement)

Acidize w/15% HCL
56 BBL & 112 balls

8940'-44' w/2 JSPF
(squeeze w/150 sx cement)

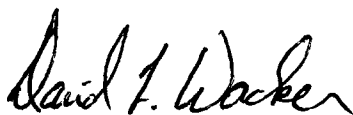
500 gal

8809'-8884' w/2 JSPF

55 BBL & 90 balls

9. By copy of this letter, we are notifying the offset operators of this proposal.

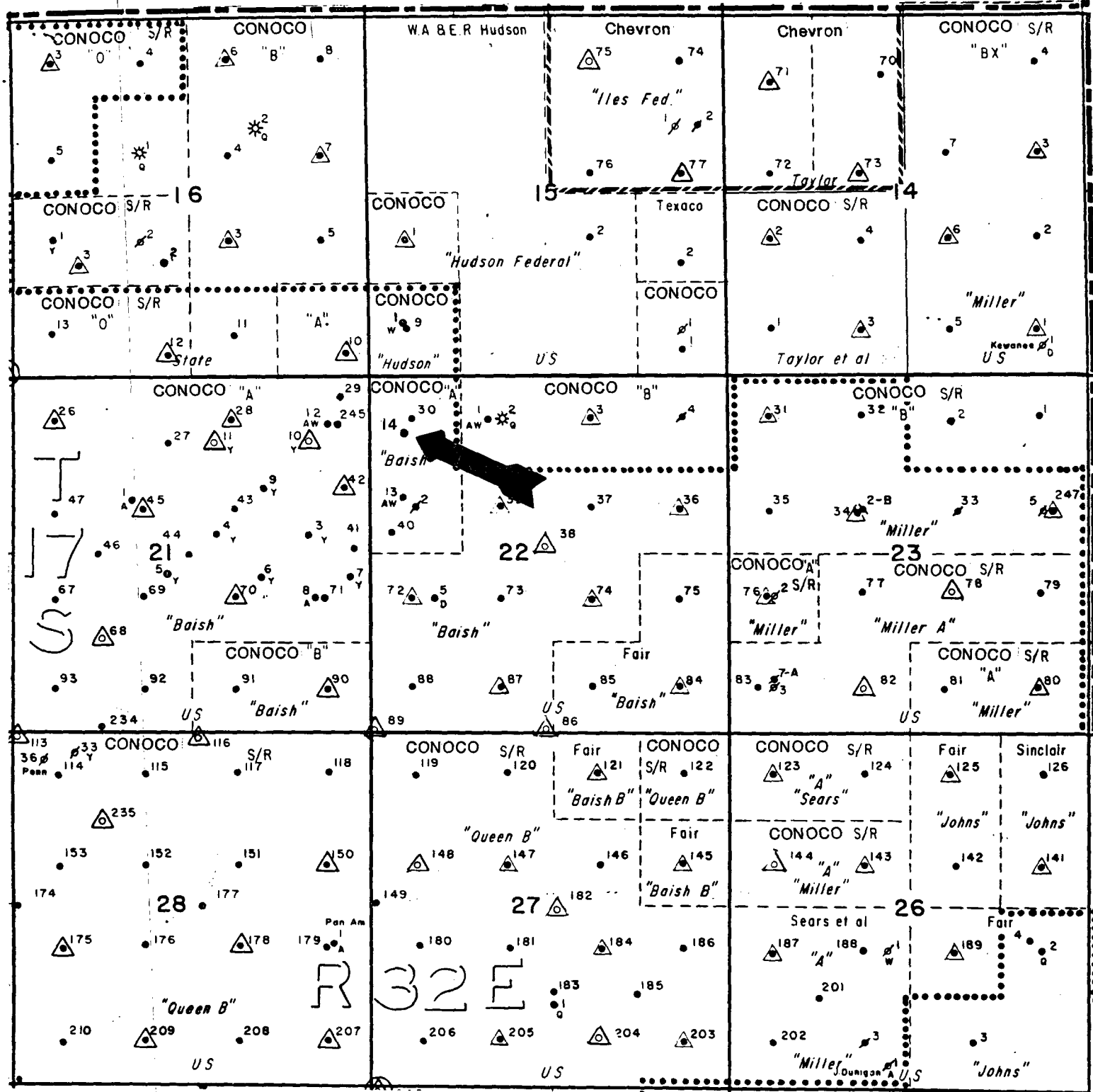
Yours very truly,



David L. Wacker
Division Manager

Enc.
COY:jd
cc/enc:
Lynx Petroleum
P. O. Box 1666
Hobbs, NM 88240

NMOCD
P. O. Box 1980
Hobbs, NM 88240



PRODUCTION DEPARTMENT	CONOCO	HOBBS DIVISION
BAISH LEASE LEA COUNTY, NEW MEXICO		

Operator Conoco Inc.		Pool Baish Wolfcamp		County Lea										
Address P. O. Box 460, Hobbs, NM 88240		TYPE OF TEST - (X)		Completion ☐ Scheduled ☐ Special ☒										
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.	
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.
Baish A	14	D	22	17S	32E	11/4/88			24	30	39.4	30	152	5067

No well will be assigned an allowable greater than the amount of oil produced on the official test.

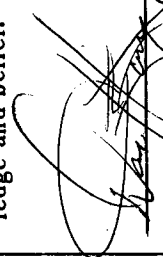
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.



D. F. Finney

(Signature)

Administrative Supervisor

(Title)

12/6/88

(Date)

Operator Conoco Inc.		Pool Maljamar Abo		County Lea										
Address P. O. Box 460, Hobbs, NM 88240		TYPE OF TEST - (X)		Completion ☐ Scheduled ☐ Special ☒										
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL	
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.
Baish A	14	D	22	17S	32E	12/3/88			24	6.6	39.4	.3	10	33333

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15,025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of ~~testing~~ pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

D. F. Finney

(Signature)

Administrative Supervisor

(Title)

12/6/88

(Date)

WOLFCAMP RESERVES

	<u>Rate</u>	<u>Avg Rate</u>	<u>NP</u>
1989	30 - 25	27.5	10038
1990	20 - 20.8	22.9	8359
1991	20.8 - 17.3	19.1	6953
1992	17.3 - 14.4	15.9	5785
1993	14.4 - 12.0	13.2	4818
1994	12 - 10.0	11.0	4015
1995	10 - 18.3	9.2	3358
1996	8.3 - 6.9	7.6	2774
1997	6.9 - 5.7	6.3	2300
<u>1998</u>	5.7 - 4.8	5.3	<u>1935</u>
10 yrs.			50335 BO



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

GARREY CARRUTHERS
GOVERNOR

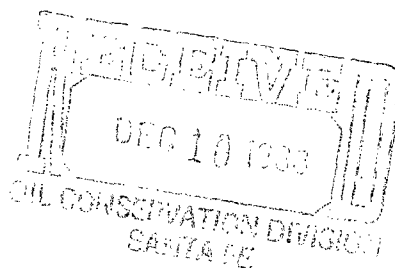
12-9-88

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC _____
DHC X _____
NSL _____
NSP _____
SWD _____
WFX _____
PMX _____



Gentlemen:

I have examined the application for the:

Conoco Inc. Baish A #14-D 22-11-32
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK J

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

/ed