



RECEIVED
SEP 17 1980

Amoco Production Company
OIL CONSERVATION DIVISION
Post Office Box 88
Hobbs, New Mexico 88301 SANTA FE

S. J. Okerson
District Superintendent

DHC-324
DUA-10/7/80

September 15, 1980

File: SJ0-986.51 x WF-1161

Re: Application to Downhole Commingle
Grizzell Deep Well No. 1
Blinebry and Drinkard Oil Pools
Lea County, New Mexico

Ch... ..
Drinkard

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

MC-1770
Personality
3/1/81

Gentlemen:

In accordance with Rule 303-C, Amoco Production Company requests administrative approval to downhole commingle oil production in our Grizzell Deep Well No. 1 located 660' FSL and 1980' FWL, Section 5, T-22-S, R-37-E, Lea County, New Mexico.

The subject well is completed as a pumping oil well in the Undesignated Blinebry and Undesignated Drinkard oil pools. The Blinebry produces 5 bbl oil, 38 bbl water and 74 MCFD. The Drinkard zone was reopened and produces 1 bbl oil, 11 bbl water and no gas. Total capable fluid production is 55 bbl. The fluid characteristics from both zones will be compatible in the well bore. The commingling of the Blinebry and Drinkard will not jeopardize the efficiency of future secondary recovery operations in either zone. The estimated bottom hole pressure for both zones is approximately 2000 psi. The value of the commingled production will not be less than the sum of the values of the individual streams.

*apparently because - probably didn't produce.
well finished as Drinkard single.
Then resump in Blinebry*

Bl 580' 74 mcf
Dr 1' 0
74

Bottom of 5440 mcf 4030

September 12, 1980
File: SJO-986.51 x WF-1161
Page Two

| <u>Formation</u> | <u>Gravity</u> | <u>Value/bbl</u> | <u>Est. Annual Prod.</u> | <u>Value/Prod.</u> |
|------------------------|----------------|------------------|--------------------------|--------------------|
| Blinebry | 35.36 | \$37.90 | 1825 bbl oil | \$69,160 |
| Drinkard | <u>36.00</u> | <u>37.92</u> | <u>365 bbl oil</u> | <u>13,840</u> |
| Combined Production | 35.50 | \$37.92 | 2190 bbl oil | \$83,000 |

Attached is a 24 hr productivity test, (Form C-116), for the Blinebry and Drinkard, a production decline curve for the Drinkard, and a copy of certified mail receipts from letters to the offset operators.

Yours very truly,

S. J. O'Keefe
SJK

cc: E. D. Newman
Houston, TX

GAS-OIL RATIO TESTS

Operator: Amoco Production Co. Pool: Blinebry County: Lea

Address: P. O. Box 68 - Hobbs, NM 88240

TYPE OF TEST - (X) Scheduled Special

| WELL NO. | LOCATION | | | | DATE OF TEST | CHOKE SIZE | TBG. PRESS. | DAILY ALLOWABLE | LENGTH OF TEST HOURS | PROD. DURING TEST | | | | GAS - OIL RATIO CU.FT/BSL |
|------------------------------|----------|---|----|----|--------------|------------|-------------|-----------------|----------------------|-------------------|------------------|------------|------------|---------------------------|
| | U | S | T | R | | | | | | WATER BBL.S. | GRAV. OIL BBL.S. | OIL BBL.S. | GAS M.C.F. | |
| 1 | N | 5 | 22 | 37 | 2-25-80 | P | -- | 50 | 24 | 38 | -- | 5 | 74 | 14800 |
| 30 Day After Completion Test | | | | | | | | | | | | | | |

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OIL CONSERVATION DIVISION
SANTA FE

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 Division.
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.
Well original and one copy of this report to the district office of the New Mexico Oil Conservation Division in accordance with Rule 331 and appropriate pool rules.

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

Dennis Swann
Admn. Analyst (Signature)
8-12-80 (Title)

GAS-OIL RATIO TESTS

Operator: Amoco Production Company

Well: Drinkard

County: Lea

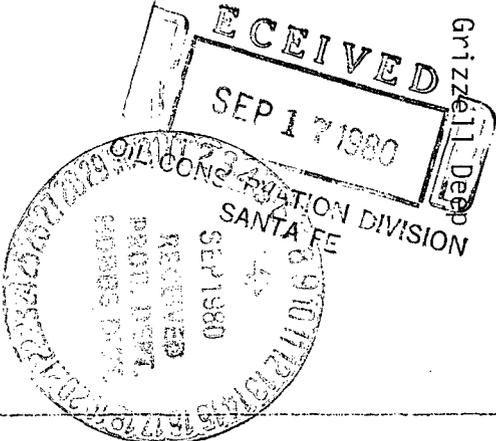
Address: P. O. Box 68 Hobbs, NM 88240

TYPE OF TEST - (X) Scheduled

Completion

Special

| LEASE NAME | WELL NO. | LOCATION | | | DATE OF TEST | TYPE OF TEST | CHOKE SIZE | TSG. PRESS. | DAILY ALLOW. ABL. | LENGTH OF TEST HOURS | PROD. DURING TEST | | | GAS - OIL RATIO CU. FT./BBL. | |
|---------------|----------|----------|---|------|--------------|--------------|------------|-------------|-------------------|----------------------|-------------------|----------------|----------|------------------------------|------------|
| | | U | S | T | | | | | | | WATER BBL. | GRAV. OIL BBL. | OIL BBL. | | GAS M.C.F. |
| Grizzell Deep | 1 | N | 5 | 22-S | 37-E | 8-28-80 | P | --- | --- | 24 | 11 | --- | 1 | 0 | --- |



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

During test oil ratio tests 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 Division.

GAS volumes must be reported in MCF measured at a pressure base of 14.7025 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.

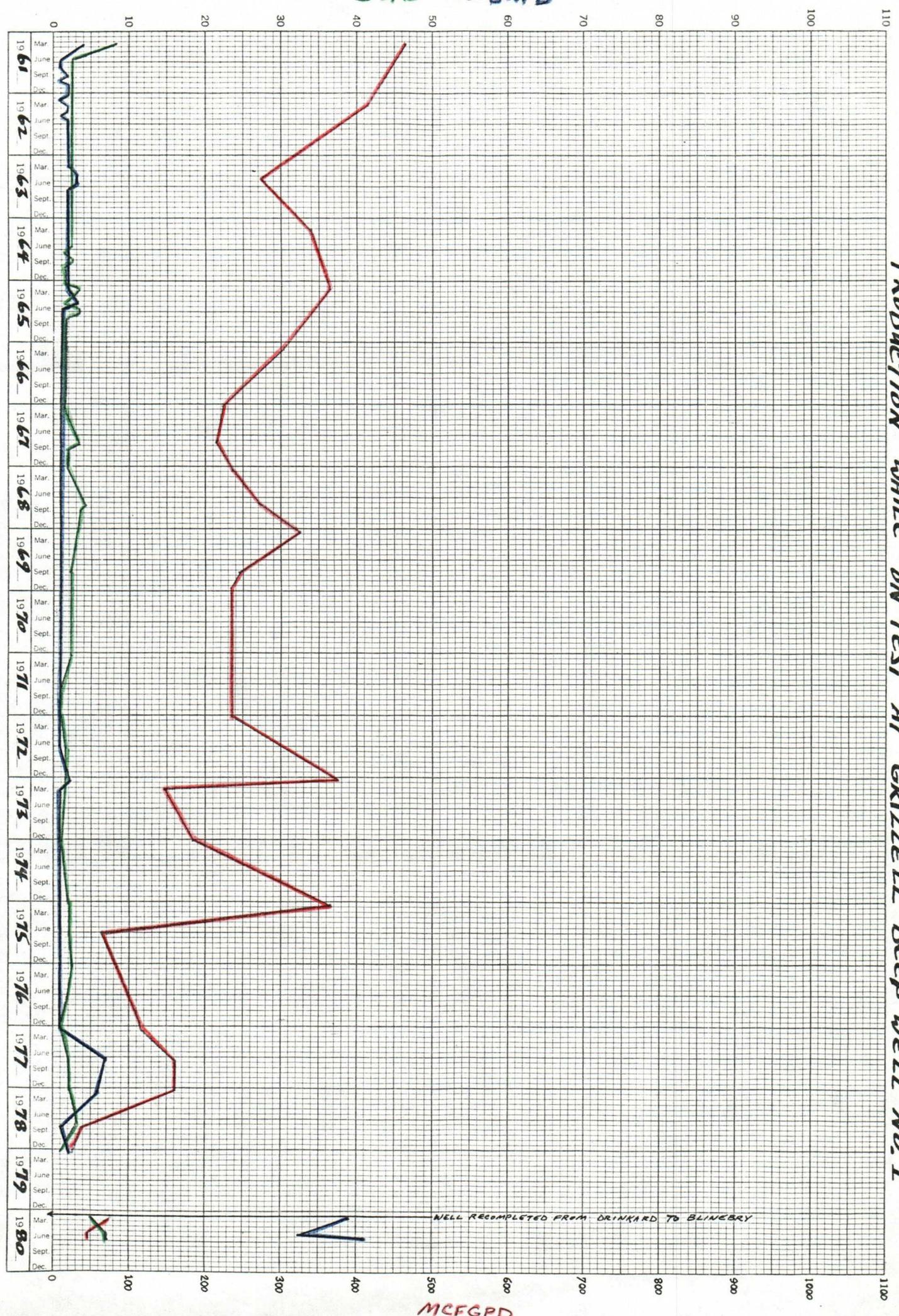
Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Division in accordance with Rule 301 and appropriate pool rules.

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

Langdon J. Hendrick
(Signature)
Assist. Admin. Analyst

BOPD AND BHPD

PRODUCTION WHILE ON TEST AT GRIZZELL DEEP WELL NO. 1



MCFGPD

WELL RECOMPLETED FROM DRINKARD TO BLINEARY

P08 3839509

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

PS Form 3800, Apr. 1976

SENT TO
SHEET AND NO.
Marathon Oil Company
Box 2409
Hobbs, NM 86240

P.O. STATE AND ZIP CODE

POSTAGE \$.28

| | |
|---|--------|
| CERTIFIED FEE | .80 |
| SPECIAL DELIVERY | |
| RESTRICTED DELIVERY | |
| RETURN RECEIPT SERVICE | |
| SHOW TO WHOM AND DATE DELIVERED | |
| SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY | |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY | |
| TOTAL POSTAGE AND FEES | \$.45 |
| POSTMARK OR DATE | |

4567891011121314151617
SEP 1980

P08 3839607

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

PS Form 3800, Apr. 1976

SENT TO
SHEET AND NO.
Gulf Oil Corp.
Box 670
Hawley, NM

P.O. STATE AND ZIP CODE

POSTAGE \$.29

| | |
|---|--------|
| CERTIFIED FEE | .80 |
| SPECIAL DELIVERY | |
| RESTRICTED DELIVERY | |
| RETURN RECEIPT SERVICE | |
| SHOW TO WHOM AND DATE DELIVERED | |
| SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY | |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY | |
| TOTAL POSTAGE AND FEES | \$.45 |
| POSTMARK OR DATE | |

4567891011121314151617
SEP 1980

P08 3839608

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

PS Form 3800, Apr. 1976

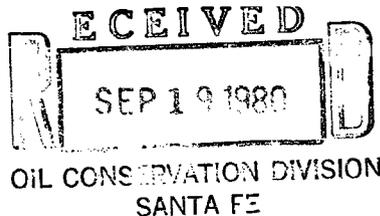
SENT TO
SHEET AND NO.
Solvio Natural Resources Co.
Midland Bldg.
Keeeland, Ok. 44115

P.O. STATE AND ZIP CODE

POSTAGE \$.21

| | |
|---|--------|
| CERTIFIED FEE | .80 |
| SPECIAL DELIVERY | |
| RESTRICTED DELIVERY | |
| RETURN RECEIPT SERVICE | |
| SHOW TO WHOM AND DATE DELIVERED | |
| SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY | |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY | |
| TOTAL POSTAGE AND FEES | \$.45 |
| POSTMARK OR DATE | |

34567891011121314151617
SEP 1980



Amoco Production Company

Post Office Box 68
Hobbs, New Mexico 88240

S. J. Okerson
District Superintendent

September 9, 1980

File: SJO-986.51 x WF-1142

Re: Waivers Consent
Downhole Commingling
Grizzell Deep Well No. 1
Lea County, New Mexico

W. B. Yarborough
1800 First National Bank Bldg.
Midland, TX 79701

Gentlemen:

We are requesting your approval as an offset operator for the downhole commingling of our Grizzell Deep Well No. 1 located 660' FSL and 1980' FWL, Section 5, T-22-S, R-37-E, Lea County, New Mexico. The subject well will be completed in the Undesignated Blinebry and Drinkard oil zones. The Blinebry produces 5 bbl oil, 26 bbl water, and 88 MCFD. The Drinkard produces 1 bbl oil, 11 bbl water, and no gas.

We have filed, with the NMOCD in Santa Fe, an application to downhole commingle production. We request that you approve and return a signed copy of this letter to this office and one to the NMOCD in Santa Fe.

Yours very truly,

ORIGINAL SIGNED BY S. J. OKERSON

cc: E. D. Newman
Houston, Tx

NMOCD
Box 1980
Hobbs, NM 88240

APPROVED:

BY:

DATE:

W. B. Yarborough
9-15-80



Amoco Production Company

Post Office Box 68
Hobbs, New Mexico 88240

S. J. Okerson
District Superintendent

September 9, 1980

File: SJ0-986.51 x WF-1142

Re: Waivers Consent
Downhole Commingling
Grizzell Deep Well No. 1
Lea County, New Mexico

Conoco, Inc.
Box 460
Hobbs, NM 88240

Gentlemen:

We are requesting your approval as an offset operator for the downhole commingling of our Grizzell Deep Well No. 1 located 660' FSL and 1980' FWL, Section 5, T-22-S, R-37-E, Lea County, New Mexico. The subject well will be completed in the Undesignated Blinebry and Drinkard oil zones. The Blinebry produces 5 bbl oil, 26 bbl water, and 88 MCFD. The Drinkard produces 1 bbl oil, 11 bbl water, and no gas.

We have filed, with the NMOCD in Santa Fe, an application to downhole commingle production. We request that you approve and return a signed copy of this letter to this office and one to the NMOCD in Santa Fe.

Yours very truly,

S. J. Okerson

cc: E. D. Newman
Houston, Tx

NMOCD
Box 1980
Hobbs, NM 88240

APPROVED: _____

John R. Kemp
CONOCO INC.
BY: John R. Kemp

RECEIVED
SEP 22 1980

DATE: September 18, 1980

OIL CONSERVATION DIVISION
SANTA FE



RECEIVED
OCT 03 1980
OIL CONSERVATION DISTRICT
SANTA FE

Production Company
Post Office Box 68
Hobbs, New Mexico 88240

S. J. Okerson
District Superintendent

September 9, 1980

File: SJO-986.51 x WF-1142

Re: Waivers Consent
Downhole Commingling
Grizzell Deep Well No. 1
Lea County, New Mexico

Sohio Natural Resources Company
Midland Bldg.
Cleveland, OH 44115

Gentlemen:

We are requesting your approval as an offset operator for the downhole commingling of our Grizzell Deep Well No. 1 located 660' FSL and 1980' FWL, Section 5, T-22-S, R-37-E, Lea County, New Mexico. The subject well will be completed in the Undesignated Blinebry and Drinkard oil zones. The Blinebry produces 5 bbl oil, 26 bbl water, and 88 MCFD. The Drinkard produces 1 bbl oil, 11 bbl water, and no gas.

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Yours very truly,

ORIGINAL SIGNED BY S. J. OKERSON *re*

cc: E. D. Newman
Houston, Tx

NMOCD
Box 1980
Hobbs, NM 88240

APPROVED: *J. Walter*
BY: *Sohio Pet. Co*
DATE: *9/29/80*



S. J. Okerson
District Superintendent

RECEIVED
OCT 03 1980
OIL CONSERVATION DIVISION
SANTA FE

Amoco Production Company

Post Office Box 68
Hobbs, New Mexico 88240

September 9, 1980

File: SJO-986.51 x WF-1142

Re: Waivers Consent
Downhole Commingling
Grizzell Deep Well No. 1
Lea County, New Mexico

Gulf Oil Corporation
Box 670
Hobbs, NM 88240

Gentlemen:

We are requesting your approval as an offset operator for the downhole commingling of our Grizzell Deep Well No. 1 located 660' FSL and 1980' FWL, Section 5, T-22-S, R-37-E, Lea County, New Mexico. The subject well will be completed in the Undesignated Blinbry and Drinkard oil zones. The Blinbry produces 5 bbl oil, 26 bbl water, and 88 MCFD. The Drinkard produces 1 bbl oil, 11 bbl water, and no gas.

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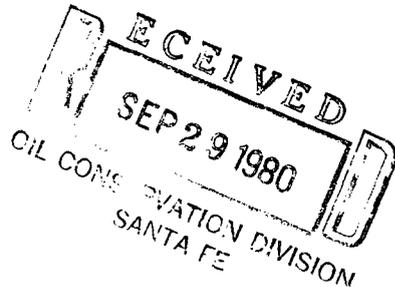
Yours very truly,

cc: E. D. Newman
Houston, Tx

NMOCD
Box 1980
Hobbs, NM 88240

APPROVED: Gulf Oil Corporation

BY: B. Strawser
for C.F. Kalteyer, Chief Proration
Engineer
DATE: September 24, 1980



Amoco Production Company

Post Office Box 68
Hobbs, New Mexico 88240

S. J. Okerson
District Superintendent

September 9, 1980

File: SJ0-986.51 x WF-1142

Re: Waivers Consent
Downhole Commingling
Grizzell Deep Well No. 1
Lea County, New Mexico

Marathon Oil Company
Box 2409
Hobbs, NM 88240

Gentlemen:

We are requesting your approval as an offset operator for the downhole commingling of our Grizzell Deep Well No. 1 located 660' FSL and 1980' FWL, Section 5, T-22-S, R-37-E, Lea County, New Mexico. The subject well will be completed in the Undesignated Blinebry and Drinkard oil zones. The Blinebry produces 5 bbl oil, 26 bbl water, and 88 MCFD. The Drinkard produces 1 bbl oil, 11 bbl water, and no gas.

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Yours very truly,

S. J. Okerson
cc

cc: E. D. Newman
Houston, Tx

NMOCD
Box 1980
Hobbs, NM 88240

APPROVED: _____

FOR: MARATHON OIL COMPANY

DATE: 9-23-80