

AMEND DHC

6/3/99

CORPORATION

2000 POST OAK BOULEVARD / SUITE 100 / HOUSTON, TEXAS 77056-4400

(713) 296-6000

May 11, 1999

Mr. David Catanach  
State of New Mexico  
Oil Conservation Division  
2040 S. Pacheco  
Santa Fe, NM 87505-6429

RE: Application to Amend Downhole Commingle Permits  
State "C" Tract 12 Well Nos. #3, #4, and #7  
State "C" Tract 13 Well No. #5  
State "CK" Well No. #3  
Eunice Area  
Lea County, New Mexico

MAY 14 1999

Dear Sir:

Apache Corporation is proposing to amend the downhole commingling permits on the above five wells. We are requesting to commingle these zones based on the results from our State "C" Tract 13 #6Y. By performing a workover on the existing perfs and adding the Blinbry perfs in our State "C" Tract 12 #6Y, production increased by 50%. Apache expects to have the same response on the above referenced wells. Commingling production will enhance the economic operations of these wells.

Previous studies show that the produced fluids from these zones should be compatible and commingling these fluids should not result in precipitation, which might damage the reservoir. All zones to be commingled in the above referenced wells have common ownership. Apache is basing its allocation percentages on past, current, and anticipated production volumes by using test performed on your State "C" Tract 12 leases, which has test from each zone we asking to commingle (See Attached Allocation Table).

To support our application we have attached the following:

- 1) Forms 107A for each well
- 2) Allocation Percentage Table
- 3) Well Test Reports
- 4) Forms C-102 for each well
- 5) Yearly production and curve for each well
- 6) Map with half-mile radius for each well
- 7) Copy of Letter & Certified notice sent to each Surface owner and Offset Operator.

Should you have any questions about this application, please contact Frances Byers at (713) 296-6361.

Sincerely,  
Apache Corporation



Frances M. Byers  
Sr. Engineer Tech

Attachments

# ALLOCATION PERCENTAGE TABLE

| <u>Well Name</u>           | <u>Test</u>                       | <u>Oil %</u> | <u>Gas%</u>      |
|----------------------------|-----------------------------------|--------------|------------------|
| <b>State C Tract 12 #3</b> |                                   |              |                  |
| Skelly Penrose             | 10 BOPD x 3 BWPD x 20 MCFD        | 36%          | 26%              |
| Blinebry                   | 1 BOPD x 1 BWPD x 15 MCFD         | 4%           | 19%              |
| Tubb                       | 2 BOPD x 1 BWPD x 41 MCFD         | 7%           | 53%              |
| Drinkard                   | 15 <u>BOPD x 1 BWPD x 10 MCFD</u> | 53%          | 2%               |
| TOTAL                      | 28 BOPD x 6 BWPD x 78 MCFD        |              |                  |
| <b>State C Tract 12 #4</b> |                                   |              |                  |
| Paddock                    | 25 BOPD x 87 BWPD x 9 MCFD        | 35%          | 27%              |
| Blinebry                   | 11 BOPD x 3 BWPD x 90 MCFD        | 15%          | 38%              |
| Tubb                       | 26 BOPD x 3 BWPD x 90 MCFD        | 37%          | 38%              |
| Drinkard                   | 9 <u>BOPD x 22 BWPD x 50 MCFD</u> | 13%          | 21%              |
| TOTAL                      | 13 BOPD x 6 BWPD x 151 MCFD       |              |                  |
| <b>State C Tract 13 #5</b> |                                   |              |                  |
| Blinebry                   | 1 BOPD x 1 BWPD x 78 MCFD         | 50%          | 50%              |
| Tubb                       | 0 BOPD x 0 BWPD x 44 MCFD         | 0%           | 28%              |
| Drinkard                   | 1 <u>BOPD x 2 BWPD x 36 MCFD</u>  | 50%          | 22%              |
| TOTAL                      | 2 BOPD x 3 BWPD x 158 MCFD        |              |                  |
| <b>State C Tract 12 #7</b> |                                   |              |                  |
| Blinebry                   | 1 BOPD x 1 BWPD x 44 MCFD         | 14%          | 42%              |
| Tubb                       | 5 BOPD x 3 BWPD x 40 MCFD         | 72%          | 28%              |
| Drinkard                   | 1 <u>BOPD x 1 BWPD x 20 MCFD</u>  | 14%          | 20%              |
| TOTAL                      | 7 BOPD x 5 BWPD x 104 MCFD        |              |                  |
| <b>State "CK" #3</b>       |                                   |              |                  |
| Paddock                    | 25 BOPD x 80 BWPD x 9 MCFD        | 96%          | <del>4%</del> 63 |
| Blinebry                   | 0 BOPD x 0 BWPD x 70 MCFD         | 0%           | 35%              |
| Tubb                       | 0 BOPD x 0 BWPD x 53 MCFD         | 0%           | 22%              |
| Drinkard                   | 1 <u>BOPD x 2 BWPD x 30 MCFD</u>  | 4%           | 39%              |
| TOTAL                      | 26 BOPD x 82 BWPD x 201 MCFD      |              | 18               |

162

**DISTRICT I**

P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**

P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department  
**OIL CONSERVATION DIVISION**  
2040 S. Pacheco  
Santa Fe, New Mexico 87505-6429

Form C-107A  
New 3-12-96

**APPROVAL PROCESS:**

☐ Administrative  
☐ Hearing

**EXISTING WELLBORE**

☐ Yes ☐ No

**APPLICATION FOR DOWNHOLE COMMINGLE****APACHE CORPORATION**

Operator

**2000 POST OAK BLVD. STE 100 - RM 358A**

Address

**HOUSTON, TX 77056-4400****STATE -CK-****3****K - Sec. 19, T21S, R37E**

LEA

Lease

Well No.

Unit Ltr.-Sec-Twp-Rgn

County

Spacing Unit Lease Types: (one or more)

☐ Federal☒ State☐ FeeOGRID NO. **000873**

Property Code

API No.

**30-028-20540**

| The following facts are submitted in support of downhole commingling:                                                          | Upper Zone                | Intermediate Zones       | Lower Zone                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------|----------------------------------------------------------------------------------------------------|
| 1. Pool Name and Pool Code                                                                                                     | PADDOCK                   | BLINEBRY                 | TUBB/86440 DRINKARD/60240                                                                          |
| 2. Top and Bottom of Pay Section (Perforations)                                                                                | 5142' - 5204'             | 5868' - 5841'            | 6000' - 6100' 6170' - 6300'                                                                        |
| 3. Type of production (Oil or Gas)                                                                                             | GAS & OIL                 | GAS & OIL                | GAS & OIL                                                                                          |
| 4. Method of Production (Flowing or Artificial Lift)                                                                           | AL                        | AL                       | FL FL                                                                                              |
| 5. Bottomhole Pressure                                                                                                         | a. (Current) 500          | a. 600                   | a. 600 600                                                                                         |
| Oil Zones - Artificial Lift:<br>Estimated Current<br>Gas & Oil - Flowing:<br>Measured Current                                  | b. (Original)             | b. 600-1000              | 500-600 500-600                                                                                    |
| All Gas Zones:<br>Estimated or Measured Original                                                                               |                           |                          |                                                                                                    |
| 6. Oil Gravity (*API) or Gas BTU Content                                                                                       | 37.7                      | 36.6                     | 37 37                                                                                              |
| 7. Producing or Shut-In?                                                                                                       | PRODUCING                 | PRODUCING                | NOT COMPLETED NOT COMPLETED                                                                        |
| Production Marginal? (Yes or No)                                                                                               | Y                         | Y                        | Y Y                                                                                                |
| * If Shut-In, give date and oil/gas/ water rates of last production                                                            | Date: 03/16/99<br>Rates:  | Date: 02/02/99<br>Rates: | Date: 02/02/99<br>Rates:                                                                           |
| Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data | 25 BOPD, 80 BWPD, 9 MCFPD | 0 BOPD, 0 BWPD, 70 MCFPD | 0 BOPD, 0 BWPD, 53 MCFPD (TUBB)                                                                    |
| * If Producing, give date and oil/gas/ water rates of recent test (within 80 days)                                             | Date:<br>Rates:           | Date:<br>Rates:          | (ANTICIPATED BY ST C #5 TEST 2/99)<br>Date: 02/02/99<br>Rates:<br>1 BOPD, 2 BWPD, 30 MCFPD (DRINK) |
| 8. Fixed Percentage Allocation Formula - % for each zone                                                                       | Oil: Gas: 96% 4%          | Oil: Gas: 0% 35%         | Oil: Gas: 0%(T) - 4%(D) 22%(T) - 39%(D)                                                            |

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and / or explaining method and providing rate projections or other required data.

10. Are all working, overriding and royalty interests identical in all commingled zones?

If not, have all working, overriding and royalty interests been notified by certified mail?

Have all offset operators been given written notice of the proposed downhole commingling?

11. Will cross-flow occur? ☐ Yes ☒ No

If yes, are fluids compatible, will the formations be undamaged, will any cross-flow production be recovered and will the allocation formula be reliable.

☒ Yes ☐ No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other?

☒ Yes ☐ No

13. Will the value of production be decreased by commingling? ☐ Yes ☒ No

(If Yes, attach explanation)

14. If this well is on or communitized with state or federal lands, either the Commissioner of Public Lands or the United States

Bureau of Land Management has been notified in writing of this application.

☒ Yes ☐ No

15. NMOCD Reference Cases for Rule 303(C) Exceptions:

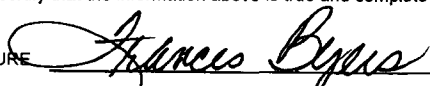
Order No. s **DHC #434**

**16. ATTACHMENTS:**

- \* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- \* Production curve for each zone for at least one year. (If not available, attach explanation.)
- \* For zones with no production history, estimated production rates and supporting data.
- \* Data to support allocation method or formula.
- \* Notification list of all offset operators.
- \* Notification list of working, overriding, and royalty interests for uncommon interest cases.
- \* Any additional statements, data, or documents required to support commingling.

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

SIGNATURE


TITLE Sr. Engineering TechDATE 4/28/99

TYPE OR PRINT NAME

Frances M. Byers

TELEPHONE NO.

(713) 296-6361

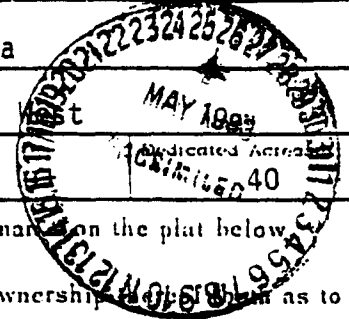
MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Superseries C-1  
Effective 1-1-65

WE

All distances must be from the outer boundaries of the Section.

|                                                                                              |                                 |                   |                      |               |  |
|----------------------------------------------------------------------------------------------|---------------------------------|-------------------|----------------------|---------------|--|
| Operator<br>APACHE CORPORATION                                                               |                                 | Lease<br>State CK |                      | Well No.<br>3 |  |
| Unit Letter<br>N                                                                             | Section<br>19                   | Township<br>21-S  | Range<br>37-E        | County<br>Lea |  |
| Actual Postage Location of Well:<br>330 feet from the South line and 1549 feet from the West |                                 |                   |                      |               |  |
| Ground Level Elev.<br>3504'                                                                  | Producing Formation<br>Blinebry |                   | Pool<br>Blinebry-Oil |               |  |

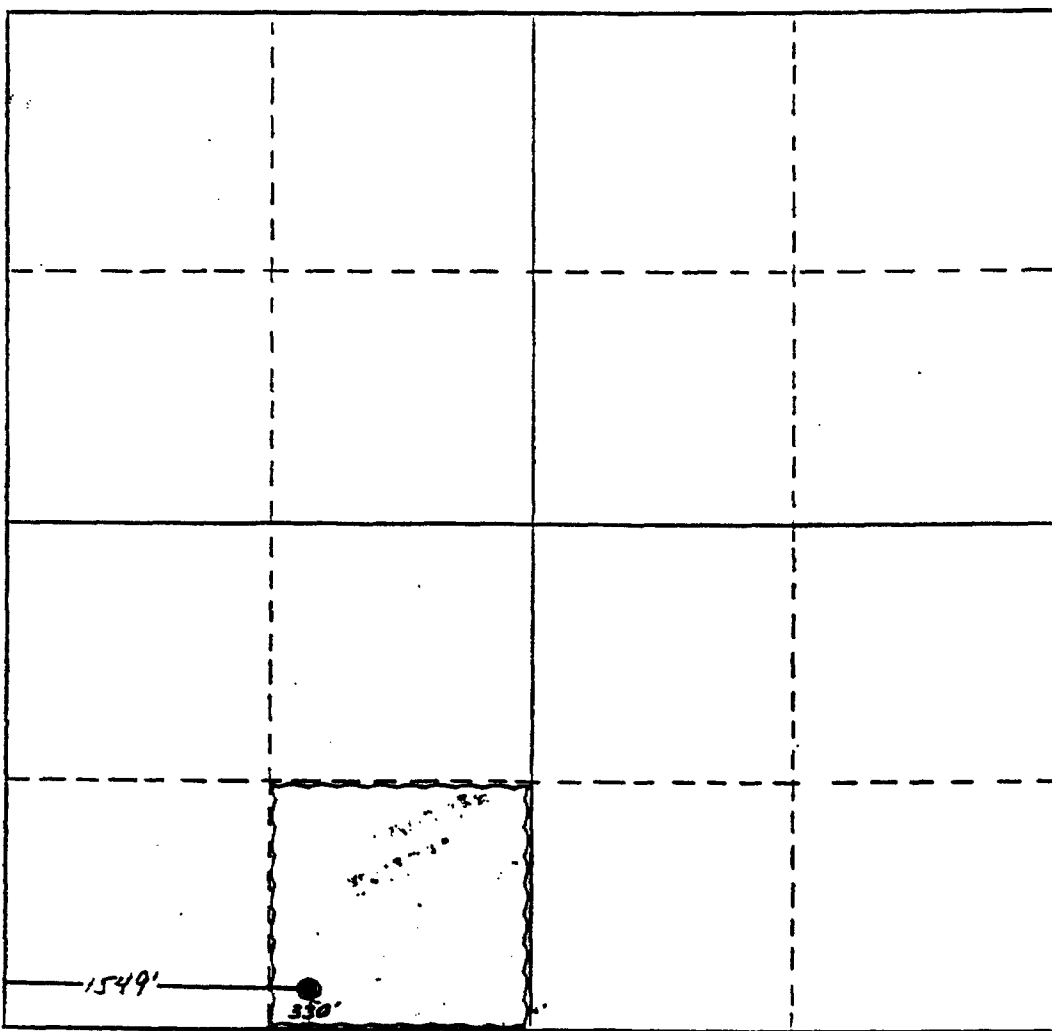


1. Outline the acreage dedicated to the subject well by colored pencil or hatchure mark on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership (as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name: Charles M. Turner  
Position: Assist. Admin. Analyst

Company: Amoco Production Company

Date: May 23, 1983

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: \_\_\_\_\_

Registered Professional Engineer and/or Land Surveyor

Certificate No. \_\_\_\_\_

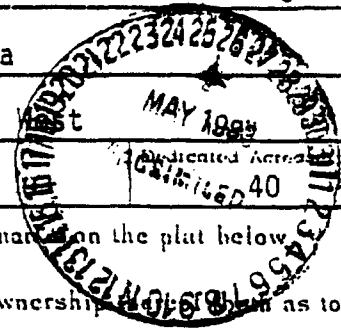
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Form C-102  
Supersedes C-1  
Effective 1-1-65

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|                                                                                                                               |                                       |                          |                      |                      |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------|
| Operator<br><b>APACHE CORPORATION</b>                                                                                         |                                       | Lease<br><b>State CK</b> |                      | Well No.<br><b>3</b> |
| Unit Letter<br><b>N</b>                                                                                                       | Section<br><b>19</b>                  | Township<br><b>21-S</b>  | Range<br><b>37-E</b> | County<br><b>Lea</b> |
| Actual Footage Location of Well:<br><b>330</b> feet from the <b>South</b> line and <b>1549</b> feet from the <b>West</b> line |                                       |                          |                      |                      |
| Ground Level Elev.<br><b>3504'</b>                                                                                            | Producing Formation<br><b>PADDOCK</b> | Pool<br><b>PADDOCK</b>   |                      |                      |

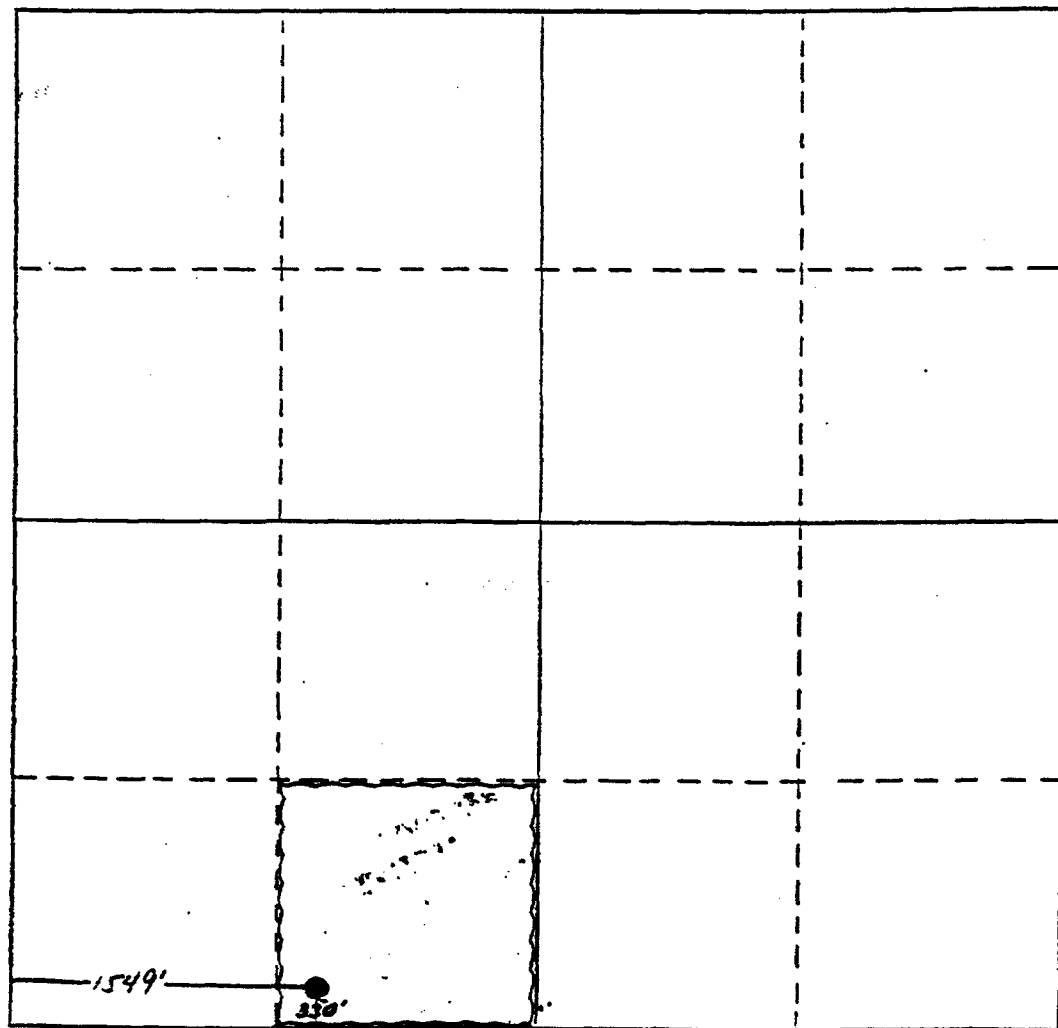


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CERTIFICATION

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

Name Paula M. Lerner

Position Assist. Admin. Analyst

Company Amoco Production Company

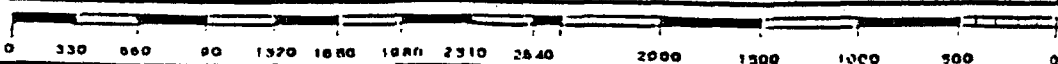
Date May 23, 1983

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Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_

Certificate No. \_\_\_\_\_



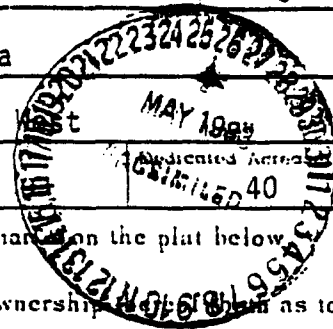
MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION - AT

Form C-102  
Supersedes C-1  
Effective 1-1-65

WE

All distances must be from the outer boundaries of the Section.

|                                                                                              |                                 |                   |                  |               |
|----------------------------------------------------------------------------------------------|---------------------------------|-------------------|------------------|---------------|
| Operator<br>APACHE CORPORATION                                                               |                                 | Lease<br>State CK |                  | Well No.<br>3 |
| Unit Letter<br>N                                                                             | Section<br>19                   | Township<br>21-S  | Range<br>37-E    | County<br>Lea |
| Actual Postage Location of Well:<br>330 feet from the South line and 1549 feet from the West |                                 |                   |                  |               |
| Ground Level Elev.<br>3504'                                                                  | Producing Formation<br>DRINKARD |                   | Pool<br>DRINKARD |               |

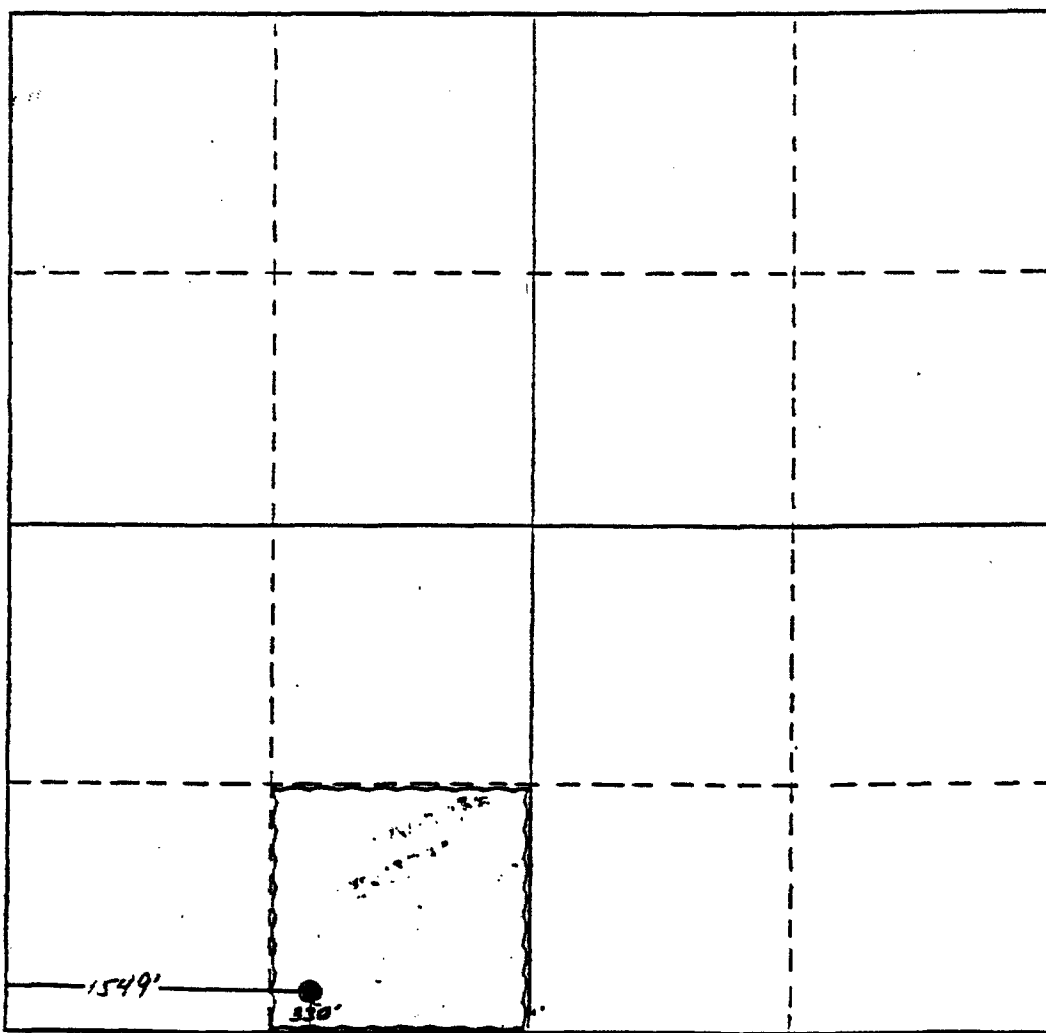


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I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name: Paula M. Lerner  
Position: Assist. Admin. Analyst

Company: Amoco Production Company

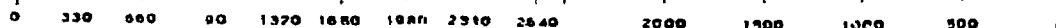
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Date Surveyed \_\_\_\_\_

Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_

Certificate No. \_\_\_\_\_



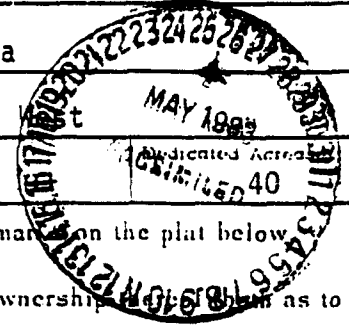
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| Operator<br>APACHE CORPORATION                                                               |                             | Lease<br>State CK |               | Well No.<br>3 |
| Unit Letter<br>N                                                                             | Section<br>19               | Township<br>21-S  | Range<br>37-E | County<br>Lea |
| Actual Postage Location of Well:<br>330 feet from the South line and 1549 feet from the East |                             |                   |               |               |
| Ground Level Elev.<br>3504'                                                                  | Producing Formation<br>TUBB | Pool<br>TUBB      |               |               |

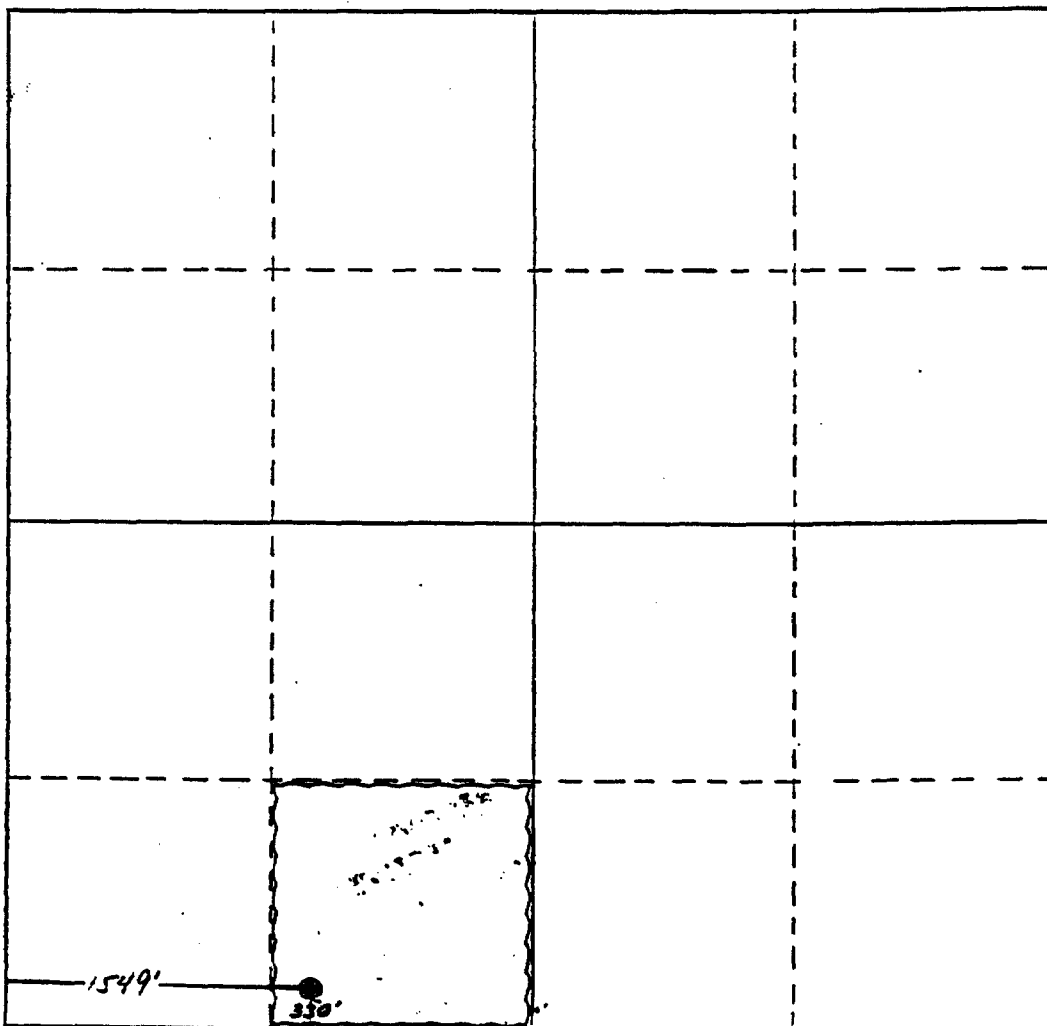


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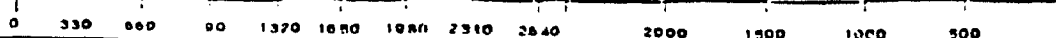
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name: Charles M. Larran  
Position: Assist. Admin. Analyst  
Company: Amoco Production Company  
Date: May 23, 1983

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: \_\_\_\_\_  
Registered Professional Engineer and/or Land Surveyor: \_\_\_\_\_

Certificate No. \_\_\_\_\_



371



|                         |                   |        |
|-------------------------|-------------------|--------|
| DATE: 06/07/98          | REVISED: 00/00/99 | GEOI : |
| J:\PERM\EUNICE\loc21-3. | DRAFTED BY: HGS   | GEOP : |

Dwight's Energydata Inc.  
TX - NM Permian  
New Mexico Oil

Run Date: 5/13/99  
Published 3/99  
(#150,025,21S37E19NM1PD)

|                  |                      |                           |         |
|------------------|----------------------|---------------------------|---------|
| Operator:        | APACHE CORP          | First Production Date:    | 06/83   |
| Well/Lease Name: | STATE CK             | Last Production Date:     | 10/98   |
| Well #:          | 3                    | Cum. Thru L. P. Date Oil: | 297,130 |
| Location:        | 19N 21S 37E          | Cum. Thru L. P. Date Gas: | 94,591  |
| State:           | NM                   |                           |         |
| District:        | 002                  |                           |         |
| County:          | LEA                  |                           |         |
| Regulatory #:    |                      |                           |         |
| API #:           | 30-025-2054000       |                           |         |
| Field:           | PADDOCK (PADDOCK) PD |                           |         |
| Reservoir:       | PADDOCK              |                           |         |
| Basin:           | PERMIAN BASIN        |                           |         |
| Gas Gatherer:    | TEXAC                |                           |         |
| Liquid Gatherer: | SHELP                |                           |         |
| Status Date:     |                      |                           |         |
| Status:          | ACT                  |                           |         |

| Year | Oil Prod<br>BBLs | Gas Prod<br>MCF | Water<br>BBLs | # of<br>Wells | Days<br>On | Allowables |
|------|------------------|-----------------|---------------|---------------|------------|------------|
| 1983 | 13,501           | 3,958           | 1,548         | 1             | 191        |            |
| 1984 | 23,595           | 5,021           | 1,452         | 1             | 360        |            |
| 1985 | 24,055           | 8,801           | 979           | 1             | 349        |            |
| 1986 | 27,887           | 19,556          | 2,943         | 1             | 335        |            |
| 1987 | 33,175           | 22,260          | 3,096         | 1             | 362        |            |
| 1988 | 34,807           | 7,158           | 4,986         | 1             | 362        |            |
| 1989 | 30,845           | 7,620           | 5,328         | 1             | 353        |            |
| 1990 | 30,879           | 9,539           | 5,357         | 1             | 365        |            |
| 1991 | 24,112           | 1,806           | 10,194        | 1             | 365        |            |
| 1992 | 15,767           | 973             | 7,207         | 1             | 359        |            |
| 1993 | 9,978            | 902             | 2,929         | 1             | 356        |            |
| 1994 | 6,033            | 820             |               | 1             | 362        |            |
| 1995 | 5,530            | 1,334           |               | 1             | 349        |            |
| 1996 | 5,837            | 1,359           |               | 1             | 366        |            |
| 1997 | 4,830            | 3,266           |               | 1             | 365        |            |
| 1998 | 6,299            | 218             | 23,844        | 1             | 304        |            |

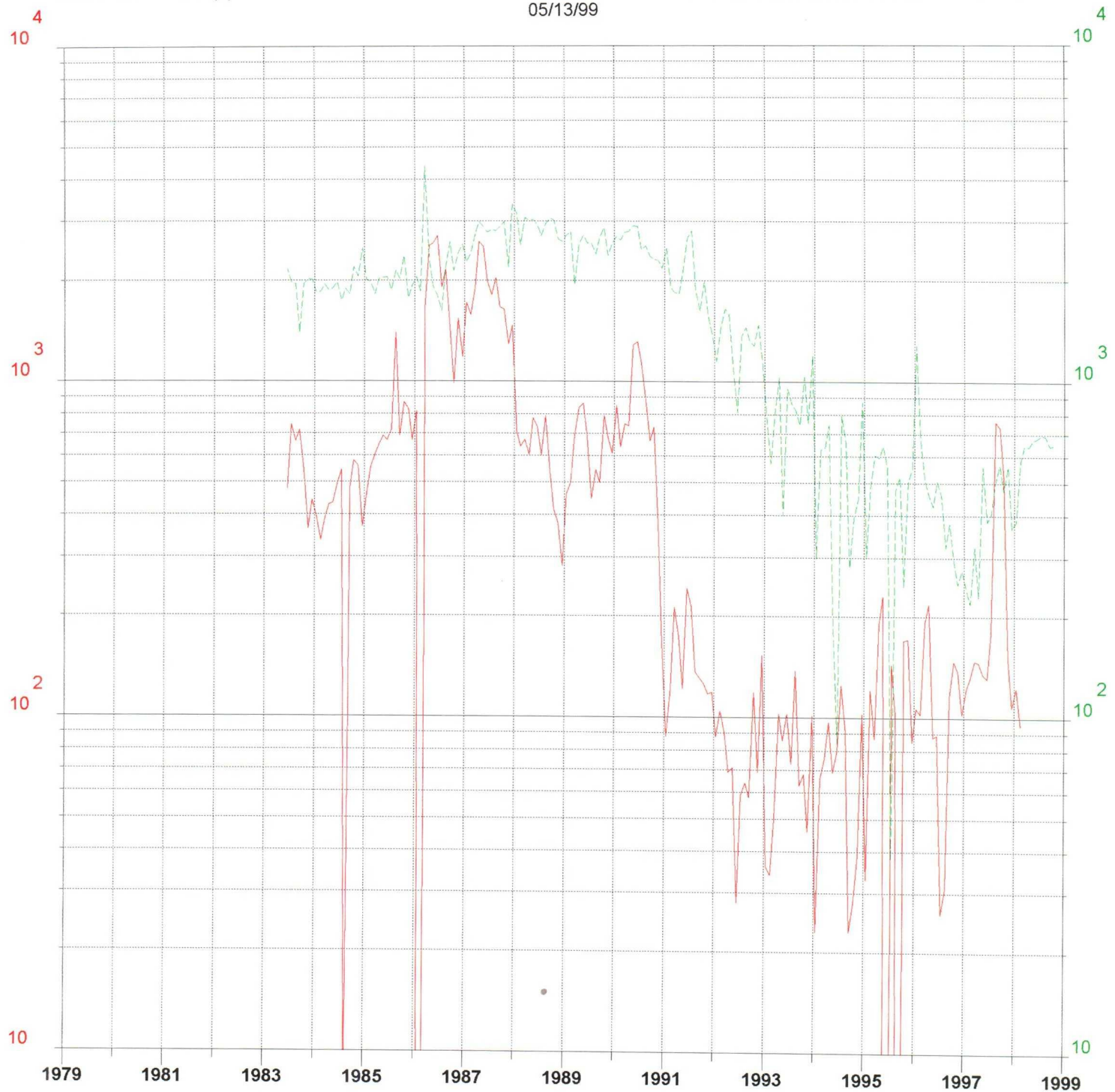
| Date<br>MO/YR | Oil Prod<br>BBLs | BBLs<br>/Day | Cum. Oil<br>Prod. BBLs | Gas Prod<br>MCF | Cum. Gas<br>MCF | GOR<br>SCF/BBLs | Water  | %<br>Water | # of<br>Wells | Days<br>On | Allowables |
|---------------|------------------|--------------|------------------------|-----------------|-----------------|-----------------|--------|------------|---------------|------------|------------|
| 01/95         | 301              | 16           | 274,935                | 33              | 88,447          | 110             |        |            | 1             | 18         |            |
| 02/95         | 483              | 17           | 275,418                | 121             | 88,568          | 251             |        |            | 1             | 28         |            |
| 03/95         | 607              | 19           | 276,025                | 87              | 88,655          | 143             |        |            | 1             | 31         |            |
| 04/95         | 595              | 19           | 276,620                | 190             | 88,845          | 319             |        |            | 1             | 30         |            |
| 05/95         | 645              | 20           | 277,265                | 230             | 89,075          | 357             |        |            | 1             | 31         |            |
| 06/95         | 558              | 18           | 277,823                | 0               | 89,075          | 0               |        |            | 1             | 30         |            |
| 07/95         | 38               | 1            | 277,861                | 144             | 89,219          | 3,789           |        |            | 1             | 28         |            |
| 08/95         | 477              | 15           | 278,338                | 103             | 89,322          | 216             |        |            | 1             | 31         |            |
| 09/95         | 522              | 17           | 278,860                | 0               | 89,322          | 0               |        |            | 1             | 30         |            |
| 10/95         | 246              | 7            | 279,106                | 170             | 89,492          | 691             |        |            | 1             | 31         |            |
| 11/95         | 504              | 16           | 279,610                | 171             | 89,663          | 339             |        |            | 1             | 30         |            |
| 12/95         | 554              | 17           | 280,164                | 85              | 89,748          | 153             |        |            | 1             | 31         |            |
| Totals        | 5,530            |              |                        | 1,334           |                 |                 |        |            |               | 349        |            |
| 01/96         | 1,284            | 41           | 281,448                | 107             | 89,855          | 83              |        |            | 1             | 31         |            |
| 02/96         | 668              | 23           | 282,116                | 103             | 89,958          | 154             |        |            | 1             | 29         |            |
| 03/96         | 510              | 16           | 282,626                | 193             | 90,151          | 378             |        |            | 1             | 31         |            |
| 04/96         | 462              | 15           | 283,088                | 218             | 90,369          | 472             |        |            | 1             | 30         |            |
| 05/96         | 426              | 13           | 283,514                | 88              | 90,457          | 207             |        |            | 1             | 31         |            |
| 06/96         | 507              | 16           | 284,021                | 89              | 90,546          | 176             |        |            | 1             | 30         |            |
| 07/96         | 462              | 14           | 284,483                | 26              | 90,572          | 56              |        |            | 1             | 31         |            |
| 08/96         | 322              | 10           | 284,805                | 31              | 90,603          | 96              |        |            | 1             | 31         |            |
| 09/96         | 379              | 12           | 285,184                | 116             | 90,719          | 306             |        |            | 1             | 30         |            |
| 10/96         | 292              | 9            | 285,476                | 147             | 90,866          | 503             |        |            | 1             | 31         |            |
| 11/96         | 250              | 8            | 285,726                | 138             | 91,004          | 552             |        |            | 1             | 30         |            |
| 12/96         | 275              | 8            | 286,001                | 103             | 91,107          | 375             |        |            | 1             | 31         |            |
| Totals        | 5,837            |              |                        | 1,359           |                 |                 |        |            |               | 366        |            |
| 01/97         | 241              | 7            | 286,242                | 122             | 91,229          | 506             |        |            | 1             | 31         |            |
| 02/97         | 219              | 7            | 286,461                | 132             | 91,361          | 603             |        |            | 1             | 28         |            |
| 03/97         | 322              | 10           | 286,783                | 148             | 91,509          | 460             |        |            | 1             | 31         |            |
| 04/97         | 229              | 7            | 287,012                | 146             | 91,655          | 638             |        |            | 1             | 30         |            |
| 05/97         | 560              | 18           | 287,572                | 135             | 91,790          | 241             |        |            | 1             | 31         |            |
| 06/97         | 384              | 12           | 287,956                | 131             | 91,921          | 341             |        |            | 1             | 30         |            |
| 07/97         | 402              | 12           | 288,358                | 179             | 92,100          | 445             |        |            | 1             | 31         |            |
| 08/97         | 504              | 16           | 288,862                | 764             | 92,864          | 1,516           |        |            | 1             | 31         |            |
| 09/97         | 567              | 18           | 289,429                | 733             | 93,597          | 1,293           |        |            | 1             | 30         |            |
| 10/97         | 474              | 15           | 289,903                | 518             | 94,115          | 1,093           |        |            | 1             | 31         |            |
| 11/97         | 561              | 18           | 290,464                | 150             | 94,265          | 267             |        |            | 1             | 30         |            |
| 12/97         | 367              | 11           | 290,831                | 108             | 94,373          | 294             |        |            | 1             | 31         |            |
| Totals        | 4,830            |              |                        | 3,266           |                 |                 |        |            |               | 365        |            |
| 01/98         | 384              | 12           | 291,215                | 123             | 94,496          | 320             | 0      | 0.00       | 1             | 31         |            |
| 02/98         | 584              | 20           | 291,799                | 95              | 94,591          | 163             | 829    | 58.67      | 1             | 28         |            |
| 03/98         | 647              | 20           | 292,446                | 0               | 94,591          | 0               | 2,751  | 80.96      | 1             | 31         |            |
| 04/98         | 643              | 21           | 293,089                | 0               | 94,591          | 0               | 2,662  | 80.54      | 1             | 30         |            |
| 05/98         | 674              | 21           | 293,763                | 0               | 94,591          | 0               | 2,751  | 80.32      | 1             | 31         |            |
| 06/98         | 682              | 22           | 294,445                | 0               | 94,591          | 0               | 2,923  | 81.08      | 1             | 30         |            |
| 07/98         | 696              | 22           | 295,141                | 0               | 94,591          | 0               | 3,027  | 81.31      | 1             | 31         |            |
| 08/98         | 692              | 22           | 295,833                | 0               | 94,591          | 0               | 2,946  | 80.98      | 1             | 31         |            |
| 09/98         | 646              | 21           | 296,479                | 0               | 94,591          | 0               | 2,929  | 81.93      | 1             | 30         |            |
| 10/98         | 651              | 21           | 297,130                | 0               | 94,591          | 0               | 3,026  | 82.30      | 1             | 31         |            |
| 11/98         | 0                | 0            | 297,130                | 0               | 94,591          |                 | 0      |            | 0             | 0          |            |
| 12/98         | 0                | 0            | 297,130                | 0               | 94,591          |                 | 0      |            | 0             | 0          |            |
| Totals        | 6,299            |              |                        | 218             |                 |                 | 23,844 |            |               | 304        |            |

# Dwights

Lease: STATE CK (3)

05/13/99

Retrieval Code: 150,025,21S37E19NM1PD



Gas (mcf/mo)

County: LEA

F.P. Date: 06/83

Oil (bbl/mo)

Field: PADDOCK (PADDOCK) PD

Oil Cum: 297.1 mbbl

Reservoir: PADDOCK

Gas Cum: 94.59 mmcf

Operator: APACHE CORP

Location: 19N 21S 37E

|                  |                        |                                     |
|------------------|------------------------|-------------------------------------|
| Operator:        | APACHE CORP            |                                     |
| Well/Lease Name: | STATE CK               |                                     |
| Well #:          | 3                      | Last Production Date: 10/98         |
| Location:        | 19N 21S 37E            | Cum. Thru L. P. Date Oil: 34,417    |
| State:           | NM                     |                                     |
| District:        | 002                    | Cum. Thru L. P. Date Gas: 1,867,133 |
| County:          | LEA                    |                                     |
| Regulatory #:    |                        |                                     |
| API #:           | 30-025-2054000         |                                     |
| Field:           | BLINEBRY (BLINEBRY) BL |                                     |
| Reservoir:       | BLINEBRY               |                                     |
| Basin:           | PERMIAN BASIN          |                                     |
| Gas Gatherer:    | TEXAC                  |                                     |
| Liquid Gatherer: | SHELP                  |                                     |
| Status Date:     |                        |                                     |
| Status:          | ACT                    |                                     |

| Year | Oil Prod<br>BBLs | Gas Prod<br>MCF | Water<br>BBLs | # of<br>Wells | Days<br>On | Allowables |
|------|------------------|-----------------|---------------|---------------|------------|------------|
| 1970 |                  | 73,579          | 390           | 1             |            |            |
| 1971 |                  | 103,287         |               | 1             |            |            |
| 1972 |                  | 112,106         |               | 1             |            |            |
| 1973 |                  | 161,561         |               | 1             |            |            |
| 1974 |                  | 168,970         |               | 1             |            |            |
| 1975 |                  | 129,188         |               | 1             |            |            |
| 1976 |                  | 116,349         |               | 1             |            |            |
| 1977 |                  | 79,022          |               | 1             |            |            |
| 1978 |                  | 71,073          |               | 1             |            |            |
| 1979 |                  | 60,801          |               | 1             |            |            |
| 1980 |                  | 43,762          |               | 1             |            |            |
| 1981 |                  | 36,585          |               | 1             |            |            |
| 1982 |                  | 35,789          |               | 1             | 158        |            |
| 1983 | 1,182            | 45,891          | 366           | 1             | 313        |            |
| 1984 | 1,781            | 49,894          | 515           | 1             | 356        |            |
| 1985 | 3,729            | 43,347          | 539           | 1             | 354        |            |
| 1986 | 3,445            | 49,715          | 269           | 1             | 365        |            |
| 1987 | 699              | 39,574          | 73            | 1             | 362        |            |
| 1988 | 411              | 39,313          | 152           | 1             | 362        |            |
| 1989 | 509              | 48,517          | 258           | 1             | 324        |            |
| 1990 | 30               | 10,695          | 392           | 1             | 336        |            |
| 1991 |                  | 24,746          | 35            | 1             | 355        |            |
| 1992 |                  | 22,194          | 268           | 1             | 344        |            |
| 1993 | 221              | 31,231          | 123           | 1             | 354        |            |
| 1994 | 85               | 36,919          | 166           | 1             | 322        |            |
| 1995 | 331              | 18,172          |               | 1             | 231        |            |
| 1996 | 299              | 31,628          |               | 1             | 359        |            |
| 1997 | 77               | 25,292          |               | 1             | 89         |            |
| 1998 |                  | 23,447          |               |               |            |            |

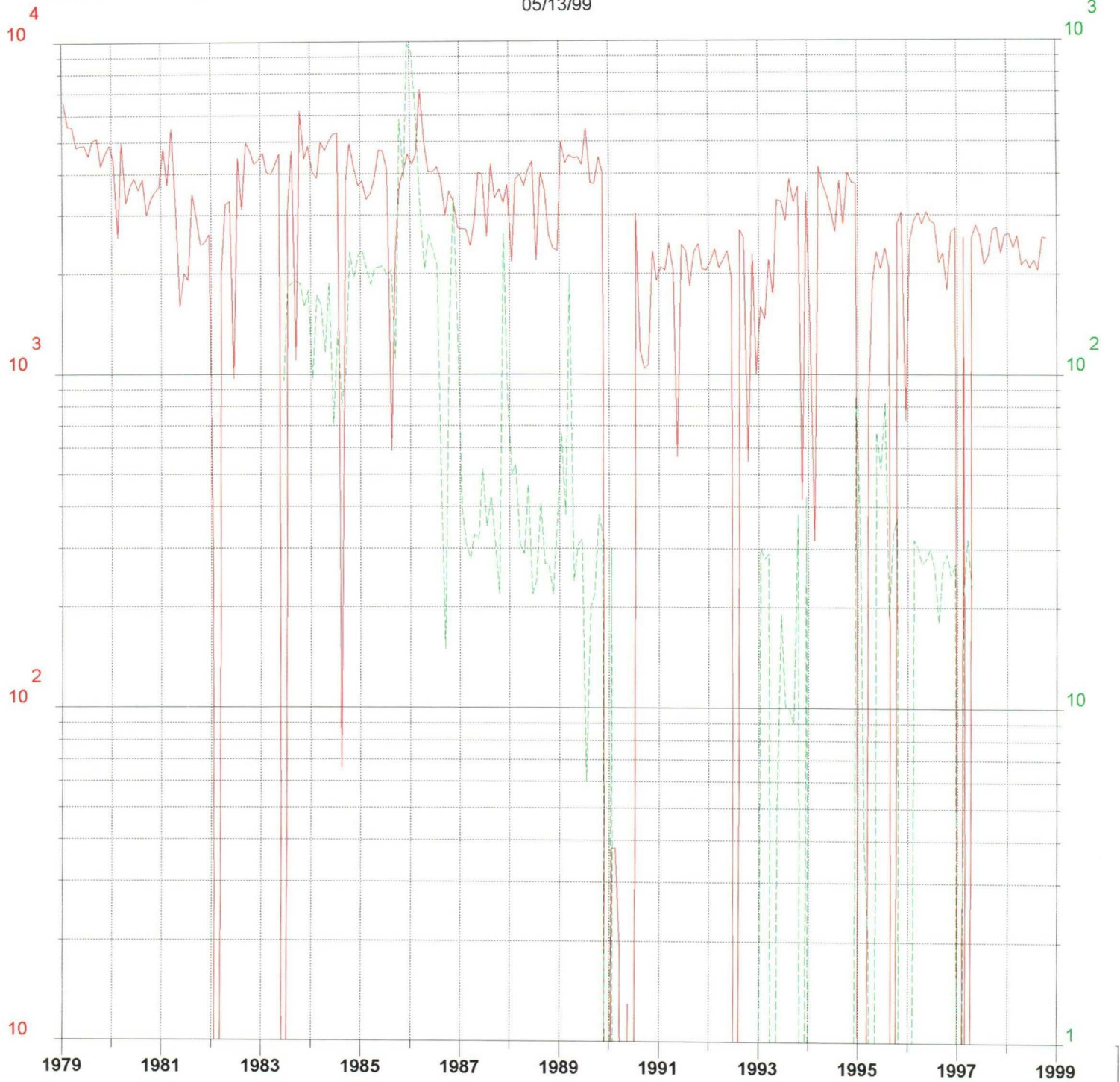
| Date<br>MO/YR | Oil Prod<br>BBLs | BBLs<br>/Day | Cum. Oil<br>Prod. BBLs | Gas Prod<br>MCF | Cum. Gas<br>MCF | YIELD<br>BBLs/MMCF | Water | %<br>Water | # of<br>Wells | Days<br>On | Allowables |
|---------------|------------------|--------------|------------------------|-----------------|-----------------|--------------------|-------|------------|---------------|------------|------------|
| 01/95         | 35               | 1            | 33,745                 | 0               | 1,768,594       |                    |       |            | 1             | 18         |            |
| 02/95         | 4                | 2            | 33,749                 | 0               | 1,768,594       |                    |       |            | 1             | 2          |            |
| 03/95         | 2                | 2            | 33,751                 | 800             | 1,769,394       | 2.50               |       |            | 1             | 1          |            |
| 04/95         | 0                | 0            | 33,751                 | 1,899           | 1,771,293       | 0.00               |       |            | 1             | 1          |            |
| 05/95         | 67               | 2            | 33,818                 | 2,327           | 1,773,620       | 28.79              |       |            | 1             | 31         |            |
| 06/95         | 52               | 1            | 33,870                 | 2,073           | 1,775,693       | 25.08              |       |            | 1             | 27         |            |
| 07/95         | 82               | 2            | 33,952                 | 2,386           | 1,778,079       | 34.37              |       |            | 1             | 31         |            |
| 08/95         | 19               | 0            | 33,971                 | 2,086           | 1,780,165       | 9.11               |       |            | 1             | 21         |            |
| 09/95         | 33               | 1            | 34,004                 | 0               | 1,780,165       |                    |       |            | 1             | 30         |            |
| 10/95         | 37               | 1            | 34,041                 | 2,816           | 1,782,981       | 13.14              |       |            | 1             | 31         |            |
| 11/95         | 0                | 0            | 34,041                 | 3,056           | 1,786,037       | 0.00               |       |            | 1             | 30         |            |
| 12/95         | 0                | 0            | 34,041                 | 729             | 1,786,766       | 0.00               |       |            | 1             | 8          |            |
| Totals        | 331              |              |                        | 18,172          |                 |                    |       |            |               | 231        |            |
| 01/96         | 0                | 0            | 34,041                 | 2,473           | 1,789,239       | 0.00               |       |            | 1             | 24         |            |
| 02/96         | 32               | 1            | 34,073                 | 2,866           | 1,792,105       | 11.17              |       |            | 1             | 29         |            |
| 03/96         | 30               | 0            | 34,103                 | 3,045           | 1,795,150       | 9.85               |       |            | 1             | 31         |            |
| 04/96         | 27               | 0            | 34,130                 | 2,811           | 1,797,961       | 9.61               |       |            | 1             | 30         |            |
| 05/96         | 28               | 0            | 34,158                 | 3,067           | 1,801,028       | 9.13               |       |            | 1             | 31         |            |
| 06/96         | 30               | 1            | 34,188                 | 2,882           | 1,803,910       | 10.41              |       |            | 1             | 30         |            |
| 07/96         | 26               | 0            | 34,214                 | 2,825           | 1,806,735       | 9.20               |       |            | 1             | 31         |            |
| 08/96         | 18               | 0            | 34,232                 | 2,152           | 1,808,887       | 8.36               |       |            | 1             | 31         |            |
| 09/96         | 27               | 0            | 34,259                 | 2,311           | 1,811,198       | 11.68              |       |            | 1             | 30         |            |
| 10/96         | 29               | 0            | 34,288                 | 1,794           | 1,812,992       | 16.16              |       |            | 1             | 31         |            |
| 11/96         | 25               | 0            | 34,313                 | 2,664           | 1,815,656       | 9.38               |       |            | 1             | 30         |            |
| 12/96         | 27               | 0            | 34,340                 | 2,738           | 1,818,394       | 9.86               |       |            | 1             | 31         |            |
| Totals        | 299              |              |                        | 31,628          |                 |                    |       |            |               | 359        |            |
| 01/97         | 0                | 0            | 34,340                 | 0               | 1,818,394       |                    |       |            | 0             | 0          |            |
| 02/97         | 22               | 0            | 34,362                 | 2,567           | 1,820,961       | 8.57               |       |            | 1             | 28         |            |
| 03/97         | 32               | 1            | 34,394                 | 0               | 1,820,961       |                    |       |            | 1             | 31         |            |
| 04/97         | 23               | 0            | 34,417                 | 2,551           | 1,823,512       | 9.02               |       |            | 1             | 30         |            |
| 05/97         | 0                | 0            | 34,417                 | 2,794           | 1,826,306       | 0.00               |       |            | 1             | 0          |            |
| 06/97         | 0                | 0            | 34,417                 | 2,579           | 1,828,885       | 0.00               |       |            | 1             | 0          |            |
| 07/97         | 0                | 0            | 34,417                 | 2,140           | 1,831,025       | 0.00               |       |            | 1             | 0          |            |
| 08/97         | 0                | 0            | 34,417                 | 2,269           | 1,833,294       | 0.00               |       |            | 1             | 0          |            |
| 09/97         | 0                | 0            | 34,417                 | 2,716           | 1,836,010       | 0.00               |       |            | 1             | 0          |            |
| 10/97         | 0                | 0            | 34,417                 | 2,754           | 1,838,764       | 0.00               |       |            | 1             | 0          |            |
| 11/97         | 0                | 0            | 34,417                 | 2,308           | 1,841,072       | 0.00               |       |            | 1             | 0          |            |
| 12/97         | 0                | 0            | 34,417                 | 2,614           | 1,843,686       | 0.00               |       |            | 1             | 0          |            |
| Totals        | 77               |              |                        | 25,292          |                 |                    |       |            |               | 89         |            |
| 01/98         |                  |              |                        | 2,643           | 1,846,329       | 0.00               |       |            | 1             |            |            |
| 02/98         |                  |              |                        | 2,393           | 1,848,722       | 0.00               |       |            | 0             |            |            |
| 03/98         |                  |              |                        | 2,600           | 1,851,322       | 0.00               |       |            | 0             |            |            |
| 04/98         |                  |              |                        | 2,127           | 1,853,449       | 0.00               |       |            | 0             |            |            |
| 05/98         |                  |              |                        | 2,211           | 1,855,660       | 0.00               |       |            | 0             |            |            |
| 06/98         |                  |              |                        | 2,083           | 1,857,743       | 0.00               |       |            | 0             |            |            |
| 07/98         |                  |              |                        | 2,201           | 1,859,944       | 0.00               |       |            | 0             |            |            |
| 08/98         |                  |              |                        | 2,059           | 1,862,003       | 0.00               |       |            | 0             |            |            |
| 09/98         |                  |              |                        | 2,568           | 1,864,571       | 0.00               |       |            | 0             |            |            |
| 10/98         |                  |              |                        | 2,562           | 1,867,133       | 0.00               |       |            | 0             |            |            |
| 11/98         |                  |              |                        | 0               | 1,867,133       |                    |       |            | 0             |            |            |
| 12/98         |                  |              |                        | 0               | 1,867,133       |                    |       |            | 0             |            |            |
| Totals        |                  |              |                        | 23,447          |                 |                    |       |            |               |            |            |

# Dwights

Lease: STATE CK (3)

05/13/99

Retrieval Code: 250,025,21S37E19N00BL



Gas (mcf/mo)

County: LEA

F.P. Date: N/A

Oil (bbl/mo)

Field: BLINEBRY (BLINEBRY) BL

Oil Cum: 34.42 mbbl

Reservoir: BLINEBRY

Gas Cum: 1867 mmcf

Operator: APACHE CORP

Location: 19N 21S 37E

May 7, 1999

(SEE ATTACHED LIST)

**RE: Application to Amend Downhole Commingle Permits**

**State "C" Tract 12 Well Nos. #3, #4, and #7**

**State "C" Tract 13 Well No. #5**

**State "CK" Well No. #3**

**Eunice Area**

**Lea County, New Mexico**

Dear Sir:

Apache Corporation, as operator of the subject wells, is proposing to amend the downhole commingling permits on the above five wells. Commingling production will enhance the economic operations of these wells. We are requesting to add one or more zones to the existing permits as indicated below:

|                     |                             |                              |
|---------------------|-----------------------------|------------------------------|
| State C Tract 12 #3 | DHC #16 Blinebry & Drinkard | Adding Tubb & Skelly Penrose |
| State C Tract 12 #4 | DHC #434 Tubb & Drinkard    | Adding Blinebry & Paddock    |
| State C Tract 13 #5 | Applying For DHC            | Blinebry, Tubb & Drinkard    |
| State C Tract 12 #7 | DHC #17 Blinebry & Drinkard | Adding Tubb                  |
| State CK #3         | DHC #845 Blinebry & Paddock | Adding Tubb & Drinkard       |

Should you have in questions concerning this application, please contact Frances Byers at (713) 296-6361.

Sincerely,

APACHE CORPORATION



Frances M. Byers  
Sr. Engineering Tech

Attachments

**SURFACE OWNER & OFFSET OPERATORS LIST FOR:**

**State C Tract 12 #3, #4, #5, & #7**

**Surface Owner**

Tim Walters  
C/O Nations Bank  
P. O. Box 270  
Midland, TX 79702

**Offset Operators**

John Hendrix  
P. O. Box 3040  
Midland, TX 79702-3040

Mr. Craig Wright  
Chevron USA  
P. O. Box 1150  
Midland, TX 79702

Mr. Ed  
Collins & Ware  
508 W. Wall Ave  
Suite 1200  
Midland, TX 79701-5076

Mr. J. Miller  
Conoco  
10 Desta Dr.  
Suite 100W  
Midland, TX 79705-4500

Oxy  
P. O. Box 4662  
Midland, TX 79702

**SURFACE OWNER & OFFSET OPERATORS LIST FOR:**

**State CK #3**

**Surface Owner**

Tim Walters  
C/O Nations Bank  
P. O. Box 270  
Midland, TX 79702

**Offset Operators**

Mr. Craig Wright  
Chevron USA  
P. O. Box 1150  
Midland, TX 79702

BC Oil et al  
P. O. Box 20820  
Midland, TX 79710-0820

Parker & Parsley  
P. O. Box 3178  
Midland, TX 79702-3178

Campbell & Hedrick  
2003 Country Club Dr.  
Midland, TX 79701-5718

Texaco  
205 E. Bender Blvd.  
Hobbs, NM 88240

**SUPPORT FOR BLINEBRY-TUBB-DRINKARD  
ZONES**

Z 11b 152 482

US Postal Service

**Receipt for Certified Mail**No Insurance Coverage Provided.  
Do not use for International Mail (See reverse)

Mr. Craig Wright  
Chevron USA  
P. O. Box 1150  
Midland, TX 79702

PS Form 3800, April 1995

|                                                             |           |
|-------------------------------------------------------------|-----------|
| Certified Fee                                               |           |
| Special Delivery Fee                                        |           |
| Restricted Delivery Fee                                     |           |
| Return Receipt Showing to Whom & Date Delivered             |           |
| Return Receipt Showing to Whom, Date, & Addressee's Address |           |
| <b>TOTAL Postage &amp; Fees</b>                             | <b>\$</b> |
| Postmark or Date                                            |           |

Z 11b 150 83b

US Postal Service

**Receipt for Certified Mail**

No Insurance Coverage Provided.

Mr. Ron Westbrook  
John Hendrix  
P. O. Box 3040  
Midland, TX 79702-3040

PS Form 3800, April 1995

|                                                             |           |
|-------------------------------------------------------------|-----------|
| Certified Fee                                               |           |
| Special Delivery Fee                                        |           |
| Restricted Delivery Fee                                     |           |
| Return Receipt Showing to Whom & Date Delivered             |           |
| Return Receipt Showing to Whom, Date, & Addressee's Address |           |
| <b>TOTAL Postage &amp; Fees</b>                             | <b>\$</b> |
| Postmark or Date                                            |           |

Z 11b 150 835

US Postal Service

**Receipt for Certified Mail**No Insurance Coverage Provided.  
Do not use for International Mail (See reverse)

Tim Walters  
C/O Nations Bank  
P. O. Box 270  
Midland, TX 79702

PS Form 3800, April 1995

|                                                             |           |
|-------------------------------------------------------------|-----------|
| Certified Fee                                               |           |
| Special Delivery Fee                                        |           |
| Restricted Delivery Fee                                     |           |
| Return Receipt Showing to Whom & Date Delivered             |           |
| Return Receipt Showing to Whom, Date, & Addressee's Address |           |
| <b>TOTAL Postage &amp; Fees</b>                             | <b>\$</b> |
| Postmark or Date                                            |           |

Z 11b 152 485

US Postal Service

**Receipt for Certified Mail**No Insurance Coverage Provided.  
Do not use for International Mail (See reverse)

Mr. J. Miller  
Conoco  
10 Desta Dr.  
Suite 100W  
Midland, TX 79705-4500

PS Form 3800, April 1995

|                                                             |           |
|-------------------------------------------------------------|-----------|
| Certified Fee                                               |           |
| Special Delivery Fee                                        |           |
| Restricted Delivery Fee                                     |           |
| Return Receipt Showing to Whom & Date Delivered             |           |
| Return Receipt Showing to Whom, Date, & Addressee's Address |           |
| <b>TOTAL Postage &amp; Fees</b>                             | <b>\$</b> |
| Postmark or Date                                            |           |

Z 11b 152 484

US Postal Service

**Receipt for Certified Mail**No Insurance Coverage Provided.  
Do not use for International Mail (See reverse)

Oxy  
P. O. Box 4662  
Midland, TX 79702

PS Form 3800, April 1995

|                                                             |           |
|-------------------------------------------------------------|-----------|
| Certified Fee                                               |           |
| Special Delivery Fee                                        |           |
| Restricted Delivery Fee                                     |           |
| Return Receipt Showing to Whom & Date Delivered             |           |
| Return Receipt Showing to Whom, Date, & Addressee's Address |           |
| <b>TOTAL Postage &amp; Fees</b>                             | <b>\$</b> |
| Postmark or Date                                            |           |

Z 11b 152 483

US Postal Service

**Receipt for Certified Mail**No Insurance Coverage Provided.  
Do not use for International Mail (See reverse)

Mr. Erick Nelson  
Collins & Ware  
508 W. Wall Ave  
Suite 1200  
Midland, TX 79701-5076

PS Form 3800, April 1995

|                                                             |           |
|-------------------------------------------------------------|-----------|
| Certified Fee                                               |           |
| Special Delivery Fee                                        |           |
| Restricted Delivery Fee                                     |           |
| Return Receipt Showing to Whom & Date Delivered             |           |
| Return Receipt Showing to Whom, Date, & Addressee's Address |           |
| <b>TOTAL Postage &amp; Fees</b>                             | <b>\$</b> |
| Postmark or Date                                            |           |

Z 11b 152 487

US Postal Service  
**Receipt for Certified Mail**  
 No Insurance Coverage Provided.  
 Do not use for International Mail (See reverse)

Parker & Parsley  
 P. O. Box 3178  
 Midland, TX 79702-3178

PS Form 3800, April 1995

|                                                             |    |
|-------------------------------------------------------------|----|
| Certified Fee                                               |    |
| Special Delivery Fee                                        |    |
| Restricted Delivery Fee                                     |    |
| Return Receipt Showing to Whom & Date Delivered             |    |
| Return Receipt Showing to Whom, Date, & Addressee's Address |    |
| TOTAL Postage & Fees                                        | \$ |
| Postmark or Date                                            |    |

Z 11b 152 48b

US Postal Service  
**Receipt for Certified Mail**  
 No Insurance Coverage Provided.  
 Do not use for International Mail (See reverse)

BC Oil et al  
 P. O. Box 20820  
 Midland, TX 79710-0820

PS Form 3800, April 1995

|                                                             |    |
|-------------------------------------------------------------|----|
| Certified Fee                                               |    |
| Special Delivery Fee                                        |    |
| Restricted Delivery Fee                                     |    |
| Return Receipt Showing to Whom & Date Delivered             |    |
| Return Receipt Showing to Whom, Date, & Addressee's Address |    |
| TOTAL Postage & Fees                                        | \$ |
| Postmark or Date                                            |    |

Z 11b 151 077

US Postal Service  
**Receipt for Certified Mail**  
 No Insurance Coverage Provided.  
 Do not use for International Mail (See reverse)

Texaco  
 205 E. Bender Blvd.  
 Hobbs, NM 88240

3800, April 1995

|                                                             |    |
|-------------------------------------------------------------|----|
| Certified Fee                                               |    |
| Special Delivery Fee                                        |    |
| Restricted Delivery Fee                                     |    |
| Return Receipt Showing to Whom & Date Delivered             |    |
| Return Receipt Showing to Whom, Date, & Addressee's Address |    |
| TOTAL Postage & Fees                                        | \$ |
| Postmark or Date                                            |    |

Z 11b 151 07b

US Postal Service  
**Receipt for Certified Mail**  
 No Insurance Coverage Provided.  
 Do not use for International Mail (See reverse)

Campbell & Hedrick  
 2003 Country Club Dr.  
 Midland, TX 79701-5718

n 3800, April 1995

|                                                             |    |
|-------------------------------------------------------------|----|
| Certified Fee                                               |    |
| Special Delivery Fee                                        |    |
| Restricted Delivery Fee                                     |    |
| Return Receipt Showing to Whom & Date Delivered             |    |
| Return Receipt Showing to Whom, Date, & Addressee's Address |    |
| TOTAL Postage & Fees                                        | \$ |
| Postmark or Date                                            |    |

## Well Test History (OGW)

Select By : Completions

Pressure Base

: None

Page No

: 1

Units

: A.P.L.

Print Date

: 5/10/99, 9.5

Sort By : None selected in Report Options.

Rounded (y/n)

: No

Report Number

: R 013

| Dates                             |          | Completion Name            | Methd Type | Meas Hrs | 24 Hour Volumes |       |       |      | Ratios |             |       |            | PPM |      | Obs Giv |
|-----------------------------------|----------|----------------------------|------------|----------|-----------------|-------|-------|------|--------|-------------|-------|------------|-----|------|---------|
| Test                              | Eff      |                            |            |          | Oil             | Gas   | Water | Lift | Emul   | GOR         | WOR   | GFR        | Chl | Iron |         |
| 11/01/97                          | 11/01/97 | STATE C TR 13 #05:BLINEBRY |            | 24.00    | .20             | 75.00 | 1.00  | .00  | .00    | 375,000.000 | 5.000 | 62,500.000 |     |      | .00     |
| 03/01/98                          | 03/01/98 | STATE C TR 13 #05:BLINEBRY |            | 24.00    | 1.00            | 80.00 | .00   | .00  | .00    | 80,000.000  | 0.000 | 80,000.000 |     |      | .00     |
| 02/02/99                          | 02/02/99 | STATE C TR 13 #05:BLINEBRY |            | 24.00    | 1.00            | 78.00 | 3.00  | .00  | .00    | 78,000.000  | 3.000 | 19,500.000 |     |      | .00     |
| AVGS-- STATE C TR 13 #05:BLINEBRY |          |                            |            |          |                 |       |       |      |        |             |       |            |     |      |         |
| 11/01/97                          | 11/01/97 | STATE C TR 13 #05:TUBB     |            | 24.00    | .00             | 49.00 | .00   | .00  | .00    | 0.000       | 0.000 | 0.000      |     |      | .00     |
| 03/01/98                          | 03/01/98 | STATE C TR 13 #05:TUBB     |            | 24.00    | .00             | 48.00 | .00   | .00  | .00    | 0.000       | 0.000 | 0.000      |     |      | .00     |
| 02/02/99                          | 02/02/99 | STATE C TR 13 #05:TUBB     |            | 24.00    | .00             | 36.00 | .00   | .00  | .00    | 0.000       | 0.000 | 0.000      |     |      | .00     |
| AVGS-- STATE C TR 13 #05:TUBB     |          |                            |            |          |                 |       |       |      |        |             |       |            |     |      |         |
|                                   |          |                            |            |          | .00             | 44.33 | .00   | .00  |        |             |       |            |     |      | .00     |

Friday, February 10, 1995 Through Monday, May 10, 1999

# WellTest History (OGW)

Select By : Completions

Pressure Base : None  
Units : A.P.L.  
Page No : 1  
Print Date : 5/10/99, 9:5

Sort By : None selected in Report Options.

Rounded (v/n) : No  
Report Number : R 013

| Test                              | Dates    | Completion Name           | Methd Type | Meas Hrs | 24 Hour Volumes |       |       |  | Lift | Emul | Ratios     |       |            |  | PPM |      | Obs Gv |
|-----------------------------------|----------|---------------------------|------------|----------|-----------------|-------|-------|--|------|------|------------|-------|------------|--|-----|------|--------|
|                                   |          |                           |            |          | Oil             | Gas   | Water |  |      |      | GOR        | WOR   | GFR        |  | Chl | Iron |        |
| 11/01/97                          | 11/01/97 | STATE C TR 12 #7:BLINEBRY |            | 24.00    | 1.50            | 48.00 | 1.00  |  | .00  | .00  | 32,000.000 | 0.667 | 19,200.000 |  |     |      | .00    |
| 03/01/98                          | 03/01/98 | STATE C TR 12 #7:BLINEBRY |            | 24.00    | 1.00            | 40.00 | .00   |  | .00  | .00  | 40,000.000 | 0.000 | 40,000.000 |  |     |      | .00    |
| Avegs-- STATE C TR 12 #7:BLINEBRY |          |                           |            |          | 1.25            | 44.00 | .50   |  | .00  | .00  |            |       |            |  |     |      |        |
| 11/01/97                          | 11/01/97 | STATE C TR 12 #7:DRINKARD |            | 24.00    | .70             | 20.60 | .10   |  | .00  | .00  | 29,428.571 | 0.143 | 25,750.000 |  |     |      | .00    |

# WellTest History (OGW)

Select By : Completions

Sort By : None selected in Report Options.

Pressure Base : None  
Units : A.P.I.

Page No : 1  
Print Date : 5/10/99, 9:4

Rounded (v/n) : No

Report Number : R 013

| Dates                        |          | Completion Name        | Mthd Type | Meas Hrs | 24 Hour Volumes |       |       |      | Ratios |         |       | PPM    |     | Obs |
|------------------------------|----------|------------------------|-----------|----------|-----------------|-------|-------|------|--------|---------|-------|--------|-----|-----|
| Test                         | Eff      |                        |           |          | Oil             | Gas   | Water | Lift | Emul   | GOR     | WOR   | GFR    | Chi |     |
| 02/02/99                     | 02/02/99 | STATE /CK/ #3:BLINEBRY |           | 24.00    | .00             | 69.40 | .00   | .00  | .00    | 0.000   | 0.000 | 0.000  |     | .00 |
| 02/02/99                     | 02/02/99 | STATE /CK/ #3:PADDOCK  |           | 24.00    | 25.00           | 8.60  | 80.00 | .00  | .00    | 344.000 | 3.200 | 81.905 |     | .00 |
| 03/16/99                     | 03/16/99 | STATE /CK/ #3:PADDOCK  |           | 24.00    | 24.00           | 8.60  | 93.00 | .00  | .00    | 358.333 | 3.875 | 73.504 |     | .00 |
| AVGS-- STATE /CK/ #3:PADDOCK |          |                        |           |          | 24.50           | 8.60  | 86.50 | .00  |        |         |       |        |     |     |

# WellTest History (OGW)

Friday, February 10, 1995 Through Monday, May 10, 1999

Select By : Completions

Pressure Base : None  
Units : A.P.L.

Page No : 1  
Print Date : 5/10/99, 9:56

Sort By : None selected in Report Options.

Rounded (Y/n) : No

Report Number : R 013

| Dates                         | Test Eff | Completion Name            | Meas<br>Mthd Type Hrs | 24 Hour Volumes |        |       |      | Ratios |            |        |             | PPM |      | Obsr |
|-------------------------------|----------|----------------------------|-----------------------|-----------------|--------|-------|------|--------|------------|--------|-------------|-----|------|------|
|                               |          |                            |                       | Oil             | Gas    | Water | Lift | Emul   | GOR        | WOR    | GFR         | CH  | Iron |      |
| 03/01/99                      | 03/01/99 | STATE C TR 12 #6Y:BLU      | 24.00                 | .00             | .00    | .00   | .00  | .00    | 0.000      | 0.000  | 0.000       |     |      | .00  |
| 03/16/99                      | 03/16/99 |                            | 24.00                 | 16.00           | 374.00 | 14.00 | .00  | .00    | 23,375.000 | 0.875  | 12,466.667  |     |      | .00  |
| Avegs-- 03/1999               |          |                            |                       | 8.00            | 187.00 | 7.00  | .00  | .00    | 11,687.500 | 0.438  | 6,233.333   |     |      | .00  |
| 04/01/99                      | 04/01/99 | STATE C TR 12 #6Y:BLU      | 24.00                 | 11.00           | 355.50 | 9.87  | .00  | .00    | 32,318.182 | 0.897  | 17,034.020  |     |      | .00  |
| Avegs-- STATE C TR 12 #6Y:BLU |          |                            |                       | 9.00            | 243.17 | 7.96  | .00  | .00    |            |        |             |     |      |      |
| 11/01/97                      | 11/01/97 | STATE C TR 12 #6Y:DRINKARD | 24.00                 | .50             | 1.00   | .00   | .00  | .00    | 2,000.000  | 0.000  | 2,000.000   |     |      | .00  |
| 03/01/98                      | 03/01/98 | STATE C TR 12 #6Y:DRINKARD | 24.00                 | .00             | 230.00 | 1.00  | .00  | .00    | 0.000      | 0.000  | 250.000.000 |     |      | .00  |
| 10/09/98                      | 10/09/98 | STATE C TR 12 #6Y:DRINKARD | 15.00                 | .00             | 23.52  | 24.80 | .00  | .00    | 0.000      | 0.000  | 948.387     |     |      | .00  |
| 10/10/98                      | 10/10/98 |                            | 24.00                 | 1.00            | 20.70  | 16.00 | .00  | .00    | 20,700.000 | 16.000 | 1,217.647   |     |      | .00  |
| 10/11/98                      | 10/11/98 |                            | 24.00                 | 4.50            | 20.70  | 22.50 | .00  | .00    | 4,600.000  | 5.000  | 766.667     |     |      | .00  |
| 10/12/98                      | 10/12/98 |                            | 24.00                 | 7.00            | 21.60  | 25.00 | .00  | .00    | 3,085.714  | 3.571  | 675.000     |     |      | .00  |
| 10/13/98                      | 10/13/98 |                            | 24.00                 | 4.50            | 21.20  | 22.50 | .00  | .00    | 4,711.111  | 5.000  | 785.185     |     |      | .00  |
| 10/14/98                      | 10/14/98 |                            | 24.00                 | 2.00            | 21.60  | 20.00 | .00  | .00    | 10,800.000 | 10.000 | 981.818     |     |      | .00  |
| 10/15/98                      | 10/15/98 |                            | 24.00                 | 2.50            | 23.00  | 23.50 | .00  | .00    | 9,200.000  | 9.400  | 884.615     |     |      | .00  |
| 10/16/98                      | 10/16/98 |                            | 24.00                 | 4.00            | 24.00  | 20.00 | .00  | .00    | 6,000.000  | 5.000  | 1,000.000   |     |      | .00  |
| 10/17/98                      | 10/17/98 |                            | 24.00                 | .50             | 25.85  | 11.00 | .00  | .00    | 51,700.000 | 22.000 | 2,247.826   |     |      | .00  |
| 10/18/98                      | 10/18/98 |                            | 24.00                 | .50             | 26.30  | 7.50  | .00  | .00    | 52,600.000 | 15.000 | 3,287.500   |     |      | .00  |
| 10/19/98                      | 10/19/98 |                            | 24.00                 | .50             | 28.20  | 6.50  | .00  | .00    | 56,400.000 | 13.000 | 4,028.571   |     |      | .00  |
| 10/23/98                      | 10/23/98 |                            | 24.00                 | .50             | 28.20  | 7.50  | .00  | .00    | 56,400.000 | 15.000 | 3,525.000   |     |      | .00  |
| 10/24/98                      | 10/24/98 |                            | 24.00                 | .50             | 30.60  | 7.50  | .00  | .00    | 61,200.000 | 15.000 | 3,825.000   |     |      | .00  |
| 10/25/98                      | 10/25/98 |                            | 24.00                 | .50             | 31.50  | 7.50  | .00  | .00    | 63,000.000 | 15.000 | 3,937.500   |     |      | .00  |
| 10/26/98                      | 10/26/98 |                            | 24.00                 | 2.00            | 32.00  | 7.50  | .00  | .00    | 16,000.000 | 3.750  | 3,368.421   |     |      | .00  |
| 10/27/98                      | 10/27/98 |                            | 24.00                 | 1.00            | 32.40  | 5.00  | .00  | .00    | 32,400.000 | 5.000  | 5,400.000   |     |      | .00  |
| 10/28/98                      | 10/28/98 |                            | 24.00                 | 1.00            | 32.40  | 3.50  | .00  | .00    | 32,400.000 | 3.500  | 7,200.000   |     |      | .00  |
| 10/29/98                      | 10/29/98 |                            | 24.00                 | 1.00            | 33.40  | 3.50  | .00  | .00    | 33,400.000 | 3.500  | 7,422.222   |     |      | .00  |
| 10/30/98                      | 10/30/98 |                            | 24.00                 | 1.00            | 32.00  | 5.00  | .00  | .00    | 32,000.000 | 5.000  | 5,333.333   |     |      | .00  |
| 10/31/98                      | 10/31/98 |                            | 24.00                 | .50             | 34.80  | 6.50  | .00  | .00    | 69,600.000 | 13.000 | 4,971.429   |     |      | .00  |
| Avegs-- 10/1998               |          |                            |                       | 1.75            | 27.20  | 12.64 | .00  | .00    | 30,809.841 | 9.136  | 3,090.306   |     |      | .00  |
| 11/01/98                      | 11/01/98 | STATE C TR 12 #6Y:DRINKARD | 24.00                 | .50             | 34.80  | 3.00  | .00  | .00    | 69,600.000 | 6.000  | 9,942.857   |     |      | .00  |
| 11/02/98                      | 11/02/98 |                            | 24.00                 | .50             | 35.30  | 1.50  | .00  | .00    | 70,600.000 | 3.000  | 17,650.000  |     |      | .00  |
| 11/03/98                      | 11/03/98 |                            | 24.00                 | .50             | 35.70  | 1.50  | .00  | .00    | 71,400.000 | 3.000  | 17,850.000  |     |      | .00  |
| 11/04/98                      | 11/04/98 |                            | 24.00                 | .50             | 35.30  | 2.00  | .00  | .00    | 70,600.000 | 4.000  | 14,120.000  |     |      | .00  |
| 11/05/98                      | 11/05/98 |                            | 24.00                 | .50             | 36.20  | 1.50  | .00  | .00    | 72,400.000 | 3.000  | 18,100.000  |     |      | .00  |
| 11/06/98                      | 11/06/98 |                            | 24.00                 | .50             | 36.20  | 1.50  | .00  | .00    | 72,400.000 | 3.000  | 18,100.000  |     |      | .00  |
| 11/07/98                      | 11/07/98 |                            | 24.00                 | .50             | 36.20  | 1.50  | .00  | .00    | 72,400.000 | 3.000  | 18,100.000  |     |      | .00  |
| 11/08/98                      | 11/08/98 |                            | 24.00                 | .50             | 36.70  | 1.50  | .00  | .00    | 73,400.000 | 3.000  | 18,350.000  |     |      | .00  |
| 11/09/98                      | 11/09/98 |                            | 24.00                 | 35.00           | 36.70  | 1.50  | .00  | .00    | 1,048.571  | 0.043  | 1,005.479   |     |      | .00  |
| 11/10/98                      | 11/10/98 |                            | 24.00                 | .50             | 37.10  | 1.50  | .00  | .00    | 74,200.000 | 3.000  | 18,550.000  |     |      | .00  |

Friday, February 10, 1995 Through Monday, May 10, 1999

# Well Test History (OGW)

Select By : Completions

Pressure Base : None  
Units : A.P.I.

Page No : 2  
Print Date : 5/10/99, 9:5

Rounded (V/n) : No

Report Number : R 013

Sort By : None selected in Report Options.

| Dates                             | Test Eff | Completion Name            | Meas<br>Mthd Type Hrs | 24 Hour Volumes |        |        |  | Lift | Ratios |             |        |            | PPM |      | Obs |
|-----------------------------------|----------|----------------------------|-----------------------|-----------------|--------|--------|--|------|--------|-------------|--------|------------|-----|------|-----|
|                                   |          |                            |                       | Oil             | Gas    | Water  |  |      | Emul   | GOR         | WOR    | GFR        | Chi | Iron |     |
| 11/11/98                          | 11/11/98 | STATE C TR 12 #6Y:DRINKARD | 24.00                 | .50             | 37.10  | 1.50   |  | .00  | .00    | 74,200.000  | 3.000  | 18,550.000 |     |      | .00 |
| 11/12/98                          | 11/12/98 |                            | 24.00                 | .50             | 36.20  | 1.50   |  | .00  | .00    | 72,400.000  | 3.000  | 18,100.000 |     |      | .00 |
| Avgs-- 11/1998                    |          |                            |                       | 3.38            | 36.13  | 1.67   |  | .00  | .00    | 66,220.714  | 3.087  | 15,701.528 |     |      | .00 |
| Avgs-- 1998                       |          |                            |                       | 2.29            | 37.20  | 8.30   |  | .00  | .00    |             |        |            |     |      |     |
| 02/02/99                          | 02/02/99 | STATE C TR 12 #6Y:DRINKARD | 24.00                 | .50             | 47.00  | .50    |  | .00  | .00    | 94,000.000  | 1.000  | 47,000.000 |     |      | .00 |
| 03/01/99                          | 03/01/99 | STATE C TR 12 #6Y:DRINKARD | 24.00                 | .00             | .00    | .00    |  | .00  | .00    | 0.000       | 0.000  | 0.000      |     |      | .00 |
| 03/13/99                          | 03/13/99 |                            | 24.00                 | 9.00            | 388.00 | 144.00 |  | .00  | .00    | 43,111.111  | 16.000 | 2,535.948  |     |      | .00 |
| 03/15/99                          | 03/15/99 |                            | 24.00                 | 15.00           | 467.00 | 40.00  |  | .00  | .00    | 31,133.333  | 2.667  | 8,490.909  |     |      | .00 |
| 03/16/99                          | 03/16/99 |                            | 24.00                 | .50             | 47.00  | .50    |  | .00  | .00    | 94,000.000  | 1.000  | 47,000.000 |     |      | .00 |
| 03/17/99                          | 03/17/99 |                            | 24.00                 | 16.00           | 473.00 | 6.00   |  | .00  | .00    | 29,562.500  | 0.375  | 21,500.000 |     |      | .00 |
| 03/18/99                          | 03/18/99 |                            | 24.00                 | 14.00           | 455.00 | 21.00  |  | .00  | .00    | 32,500.000  | 1.500  | 13,000.000 |     |      | .00 |
| 03/19/99                          | 03/19/99 |                            | 24.00                 | 16.00           | 459.00 | 12.00  |  | .00  | .00    | 28,687.500  | 0.750  | 16,392.857 |     |      | .00 |
| 03/20/99                          | 03/20/99 |                            | 24.00                 | 14.00           | 441.00 | 12.00  |  | .00  | .00    | 31,500.000  | 0.857  | 16,961.538 |     |      | .00 |
| 03/21/99                          | 03/21/99 |                            | 24.00                 | 13.00           | 468.00 | 15.00  |  | .00  | .00    | 36,000.000  | 1.154  | 16,714.286 |     |      | .00 |
| 03/22/99                          | 03/22/99 |                            | 24.00                 | 11.00           | 468.00 | 6.00   |  | .00  | .00    | 42,545.455  | 0.545  | 27,529.412 |     |      | .00 |
| 03/23/99                          | 03/23/99 |                            | 24.00                 | 15.00           | 468.00 | 16.00  |  | .00  | .00    | 31,200.000  | 1.067  | 15,096.774 |     |      | .00 |
| 03/24/99                          | 03/24/99 |                            | 24.00                 | 11.00           | 465.00 | 12.00  |  | .00  | .00    | 42,272.727  | 1.091  | 20,217.391 |     |      | .00 |
| 03/25/99                          | 03/25/99 |                            | 24.00                 | 10.00           | 463.00 | 13.00  |  | .00  | .00    | 46,300.000  | 1.300  | 20,130.435 |     |      | .00 |
| 03/26/99                          | 03/26/99 |                            | 24.00                 | 13.00           | 462.00 | 19.00  |  | .00  | .00    | 35,538.462  | 1.462  | 14,437.500 |     |      | .00 |
| 03/27/99                          | 03/27/99 |                            | 24.00                 | 10.00           | 457.00 | 8.00   |  | .00  | .00    | 45,700.000  | 0.800  | 25,388.889 |     |      | .00 |
| 03/28/99                          | 03/28/99 |                            | 24.00                 | 16.00           | 453.00 | 15.00  |  | .00  | .00    | 28,312.500  | 0.938  | 14,612.903 |     |      | .00 |
| 03/29/99                          | 03/29/99 |                            | 24.00                 | 10.00           | 453.00 | 8.00   |  | .00  | .00    | 45,300.000  | 0.800  | 25,166.667 |     |      | .00 |
| 03/30/99                          | 03/30/99 |                            | 24.00                 | 10.00           | 451.00 | 11.00  |  | .00  | .00    | 45,100.000  | 1.100  | 21,476.190 |     |      | .00 |
| 03/31/99                          | 03/31/99 |                            | 24.00                 | 13.00           | 450.00 | 11.00  |  | .00  | .00    | 34,615.385  | 0.846  | 18,750.000 |     |      | .00 |
| Avgs-- 03/1999                    |          |                            |                       | 11.39           | 409.89 | 19.45  |  | .00  | .00    | 38,072.577  | 1.803  | 18,179.037 |     |      | .00 |
| 04/01/99                          | 04/01/99 | STATE C TR 12 #6Y:DRINKARD | 24.00                 | 1.00            | 49.50  | .31    |  | .00  | .00    | 49,500.000  | 0.310  | 37,786.260 |     |      | .00 |
| 04/02/99                          | 04/02/99 |                            | 24.00                 | 5.00            | 210.10 | 5.50   |  | .00  | .00    | 42,020.000  | 1.100  | 20,009.524 |     |      | .00 |
| 04/03/99                          | 04/03/99 |                            | 24.00                 | 10.00           | 446.00 | 7.00   |  | .00  | .00    | 44,600.000  | 0.700  | 26,235.294 |     |      | .00 |
| 04/04/99                          | 04/04/99 |                            | 24.00                 | 10.00           | 443.00 | 11.00  |  | .00  | .00    | 44,300.000  | 1.100  | 21,095.238 |     |      | .00 |
| 04/05/99                          | 04/05/99 |                            | 24.00                 | 6.00            | 441.00 | 5.00   |  | .00  | .00    | 73,500.000  | 0.833  | 40,090.909 |     |      | .00 |
| 04/07/99                          | 04/07/99 |                            | 24.00                 | 3.00            | 440.00 | 10.00  |  | .00  | .00    | 146,666.667 | 3.333  | 33,846.154 |     |      | .00 |
| 04/08/99                          | 04/08/99 |                            | 24.00                 | 10.00           | 442.00 | 11.00  |  | .00  | .00    | 44,200.000  | 1.100  | 21,047.619 |     |      | .00 |
| Avgs-- 04/1999                    |          |                            |                       | 6.43            | 353.09 | 7.12   |  | .00  | .00    | 63,540.952  | 1.211  | 28,587.285 |     |      | .00 |
| Avgs-- 1999                       |          |                            |                       | 9.70            | 381.73 | 15.55  |  | .00  | .00    |             |        |            |     |      |     |
| Avgs-- STATE C TR 12 #6Y:DRINKARD |          |                            |                       | 5.54            | 189.10 | 11.37  |  | .00  | .00    |             |        |            |     |      |     |
| 11/01/97                          | 11/01/97 | STATE C TR 12 #6Y:TUBB     | 24.00                 | .50             | 1.00   | .00    |  | .00  | .00    | 2,000.000   | 0.000  | 2,000.000  |     |      | .00 |
| 10/09/98                          | 10/09/98 | STATE C TR 12 #6Y:TUBB     | 15.00                 | .00             | 26.40  | 24.80  |  | .00  | .00    | 0.000       | 0.000  | 1,064.516  |     |      | .00 |
| 10/10/98                          | 10/10/98 |                            | 24.00                 | 1.00            | 23.30  | 16.00  |  | .00  | .00    | 23,300.000  | 16.000 | 1,370.588  |     |      | .00 |

## WellTest History (OGW)

Friday, February 10, 1995 Through Monday, May 10, 1999

Select By : Completions

Pressure Base : None

Units : A.P.L.

Page No : 3

Rounded (v/n) : No

Print Date : 5/10/99, 9:58

Sort By : None selected in Report Options.

Report Number : R 013

| Dates          | Test Eff | Completion Name        | Meas<br>Mthd Type Hrs | 24 Hour Volumes |        |       |      | Ratios      |        |            |     | PPM |      | Obsn |
|----------------|----------|------------------------|-----------------------|-----------------|--------|-------|------|-------------|--------|------------|-----|-----|------|------|
|                |          |                        |                       | Oil             | Gas    | Water | Lift | Emul        | GOR    | WOR        | GFR | Ch  | Iron |      |
| 10/11/98       | 10/11/98 | STATE C TR 12 #6Y:TUBB | 24.00                 | 4.50            | 23.30  | 22.50 | .00  | 5,177.778   | 5.000  | 862.963    |     |     |      | .00  |
| 10/12/98       | 10/12/98 |                        | 24.00                 | 7.00            | 24.40  | 25.00 | .00  | 3,485.714   | 3.571  | 762.500    |     |     |      | .00  |
| 10/13/98       | 10/13/98 |                        | 24.00                 | 4.50            | 23.80  | 22.50 | .00  | 5,288.889   | 5.000  | 881.481    |     |     |      | .00  |
| 10/14/98       | 10/14/98 |                        | 24.00                 | 2.00            | 24.40  | 20.00 | .00  | 12,200.000  | 10.000 | 1,109.091  |     |     |      | .00  |
| 10/15/98       | 10/15/98 |                        | 24.00                 | 2.50            | 56.00  | 23.50 | .00  | 22,400.000  | 9.400  | 2,153.846  |     |     |      | .00  |
| 10/16/98       | 10/16/98 |                        | 24.00                 | 4.00            | 27.00  | 20.00 | .00  | 6,750.000   | 5.000  | 1,125.000  |     |     |      | .00  |
| 10/17/98       | 10/17/98 |                        | 24.00                 | .50             | 29.15  | 11.00 | .00  | 58,300.000  | 22.000 | 2,534.783  |     |     |      | .00  |
| 10/18/98       | 10/18/98 |                        | 24.00                 | .50             | 29.70  | 7.50  | .00  | 59,400.000  | 15.000 | 3,712.500  |     |     |      | .00  |
| 10/19/98       | 10/19/98 |                        | 24.00                 | .50             | 31.80  | 6.50  | .00  | 63,600.000  | 13.000 | 4,542.857  |     |     |      | .00  |
| 10/23/98       | 10/23/98 |                        | 24.00                 | .50             | 31.80  | 7.50  | .00  | 63,600.000  | 15.000 | 3,975.000  |     |     |      | .00  |
| 10/24/98       | 10/24/98 |                        | 24.00                 | .50             | 34.40  | 7.50  | .00  | 68,800.000  | 15.000 | 4,300.000  |     |     |      | .00  |
| 10/25/98       | 10/25/98 |                        | 24.00                 | .50             | 35.50  | 7.50  | .00  | 71,000.000  | 15.000 | 4,437.500  |     |     |      | .00  |
| 10/26/98       | 10/26/98 |                        | 24.00                 | 2.00            | 36.00  | 7.50  | .00  | 18,000.000  | 3.750  | 3,789.474  |     |     |      | .00  |
| 10/27/98       | 10/27/98 |                        | 24.00                 | 1.00            | 36.60  | 5.00  | .00  | 36,600.000  | 5.000  | 6,100.000  |     |     |      | .00  |
| 10/28/98       | 10/28/98 |                        | 24.00                 | 1.00            | 36.60  | 3.50  | .00  | 36,600.000  | 3.500  | 8,133.333  |     |     |      | .00  |
| 10/29/98       | 10/29/98 |                        | 24.00                 | 1.00            | 37.60  | 3.50  | .00  | 37,600.000  | 3.500  | 8,355.556  |     |     |      | .00  |
| 10/30/98       | 10/30/98 |                        | 24.00                 | 1.00            | 36.00  | 5.00  | .00  | 36,000.000  | 5.000  | 6,000.000  |     |     |      | .00  |
| 10/31/98       | 10/31/98 |                        | 24.00                 | .50             | 39.20  | 6.50  | .00  | 78,400.000  | 13.000 | 5,600.000  |     |     |      | .00  |
| AVGS-- 10/1998 |          |                        |                       | 1.75            | 32.15  | 12.64 | .00  | 35,325.119  | 9.136  | 3,540.549  |     |     |      | .00  |
| 11/01/98       | 11/01/98 | STATE C TR 12 #6Y:TUBB | 24.00                 | .50             | 39.20  | 3.00  | .00  | 78,400.000  | 6.000  | 11,200.000 |     |     |      | .00  |
| 11/02/98       | 11/02/98 |                        | 24.00                 | .50             | 39.70  | 1.50  | .00  | 79,400.000  | 3.000  | 19,850.000 |     |     |      | .00  |
| 11/03/98       | 11/03/98 |                        | 24.00                 | .50             | 40.30  | 1.50  | .00  | 80,600.000  | 3.000  | 20,150.000 |     |     |      | .00  |
| 11/04/98       | 11/04/98 |                        | 24.00                 | .50             | 39.70  | 2.00  | .00  | 79,400.000  | 4.000  | 15,880.000 |     |     |      | .00  |
| 11/05/98       | 11/05/98 |                        | 24.00                 | .50             | 40.80  | 1.50  | .00  | 81,600.000  | 3.000  | 20,400.000 |     |     |      | .00  |
| 11/06/98       | 11/06/98 |                        | 24.00                 | .50             | 40.80  | 1.50  | .00  | 81,600.000  | 3.000  | 20,400.000 |     |     |      | .00  |
| 11/07/98       | 11/07/98 |                        | 24.00                 | .50             | 40.80  | 1.50  | .00  | 81,600.000  | 3.000  | 20,400.000 |     |     |      | .00  |
| 11/08/98       | 11/08/98 |                        | 24.00                 | .50             | 41.30  | 1.50  | .00  | 82,600.000  | 3.000  | 20,650.000 |     |     |      | .00  |
| 11/09/98       | 11/09/98 |                        | 24.00                 | .50             | 41.30  | 1.50  | .00  | 82,600.000  | 3.000  | 20,650.000 |     |     |      | .00  |
| 11/10/98       | 11/10/98 |                        | 24.00                 | .50             | 41.90  | 1.50  | .00  | 83,800.000  | 3.000  | 20,950.000 |     |     |      | .00  |
| 11/11/98       | 11/11/98 |                        | 24.00                 | .50             | 41.90  | 1.50  | .00  | 83,800.000  | 3.000  | 20,950.000 |     |     |      | .00  |
| 11/12/98       | 11/12/98 |                        | 24.00                 | .50             | 40.80  | 1.50  | .00  | 81,600.000  | 3.000  | 20,400.000 |     |     |      | .00  |
| AVGS-- 11/1998 |          |                        |                       | .50             | 40.71  | 1.67  | .00  | 81,416.667  | 3.333  | 19,323.333 |     |     |      | .00  |
| AVGS-- 1998    |          |                        |                       | 1.28            | 35.36  | 8.53  | .00  | 106,000.000 | 11.000 | 8,833.333  |     |     |      | .00  |
| 02/02/99       | 02/02/99 | STATE C TR 12 #6Y:TUBB | 24.00                 | .50             | 53.00  | 5.50  | .00  | 106,000.000 | 1.000  | 53,000.000 |     |     |      | .00  |
| 03/16/99       | 03/16/99 | STATE C TR 12 #6Y:TUBB | 24.00                 | .50             | 53.00  | .50   | .00  | 0.000       | 0.000  | 0.000      |     |     |      | .00  |
| 03/31/99       | 03/31/99 |                        | 24.00                 | .00             | .00    | .00   | .00  | 53,000.000  | 0.500  | 26,500.000 |     |     |      | .00  |
| AVGS-- 03/1999 |          |                        |                       | .25             | 26.50  | .25   | .00  | 45,000.000  | 0.320  | 34,090.909 |     |     |      | .00  |
| 04/01/99       | 04/01/99 | STATE C TR 12 #6Y:TUBB | 24.00                 | 1.00            | 45.00  | .32   | .00  | 47,380.000  | 1.100  | 22,561.905 |     |     |      | .00  |
| 04/02/99       | 04/02/99 |                        | 24.00                 | 5.00            | 236.90 | 5.50  | .00  |             |        |            |     |     |      | .00  |



JIM BACA  
COMMISSIONER

State of New Mexico  
OFFICE OF THE  
Commissioner of Public Lands  
Santa Fe

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

September 1, 1992

Amoco Production Company  
P. O. Box 3092  
Houston, Texas 77253

Attn: Mr. Howard Black

Re: Downhole Commingling  
OCD Order Nos. DHC-556, DHC-844 and DHC-845  
State "CK" Well Nos. 1, 2, and 3  
State Lease No. A-4096-6  
Sec. 19-21S-37E  
Lea County, New Mexico

This office is in receipt of your commingling application of August 24, 1992. We regret to inform you that your application as submitted can not be approved. When re-submitting your commingling application please submit the following:

1. The application fee for a commingling request is thirty (\$30.00) dollars. Please submit a thirty dollar filing fee.
2. Plat showing the location of leases, wells, flow lines and common tankage facilities.
3. An economic analysis of the proposed operation showing profit or loss to the State of New Mexico. Please submit additional data which shows the gravity and price of the Paddock, Blinebry and Drinkard production prior to commingling and after commingling.
4. How will the commingled production be metered, allocated and accounted for?
5. Any other pertinent data that will assist the Commissioner in deciding upon the application.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

JIM BACA  
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*  
FLOYD O. PRANDO, Director  
Oil/Gas and Minerals Division  
(505) 827-5744  
JB/FOP/pm

OCD ✓