

32248718

DHC 12/6/00

**AMERADA HESS CORPORATION**

*2862*

P. O. BOX 840  
SEMINOLE, TEXAS 79360  
915-758-6700

NOV 16 2000

November 14, 2000

Attn: Lori Wrotenbery  
State of New Mexico  
Energy, Minerals and Natural Resources Department  
Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505-5472

Re: Application to Downhole Commingle  
M. J. Raley Well No. 2  
API No. 30-025-07757  
Unit M, Sec. 8, T20S, R38E  
Lea County, N.M.

Dear Ms. Wrotenbery,

Amerada Hess Corporation respectfully request approval to downhole commingle oil and gas production from M. J. Raley Well No. 2 in West Nadine Paddock Blinbry (47400), West Nadine Drinkard (47505), and East Skaggs Abo (56630) Zones.

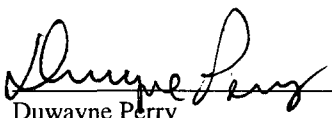
Well is currently producing from West Nadine Paddock Blinbry.

Attached are Form C-107-A, C-102, past production, and location map.

Your consideration in this matter is appreciated.

If we can furnish additional information, please let us know at your earliest convenience.

Sincerely,

  
Duwayne Perry  
Sr. Professional Engineer

Xc: Mr. Chris Williams - NMOCD, Hobbs

DISTRICT I  
1625 N. French Drive, Hobbs, NM 88240  
DISTRICT II  
811 South First Street, Artesia, NM 88210  
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410  
DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department  
OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, New Mexico 87505

Form C-107A  
Revised May 15, 2000

APPLICATION TYPE

☒ Single Well

☐ Establish Pre-Approved Pools

EXISTING WELLBORE

☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

|                          |                      |                                  |                                                                                                                    |        |
|--------------------------|----------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------|--------|
| Amerada Hess Corporation |                      | P.O. Box 840, Seminole, TX 79360 |                                                                                                                    |        |
| Operator                 |                      | Address                          |                                                                                                                    |        |
| M. J. Raley              |                      | 2 M 8 20S 38E Lea                |                                                                                                                    |        |
| Lease                    | Well No.             | Unit Ltr.                        | - Sec - Twp - Rge                                                                                                  | County |
| OGRID No. 000495         | Property Code 000123 | API No. 30-025-07757             | Lease Type <input type="checkbox"/> Federal <input type="checkbox"/> State <input checked="" type="checkbox"/> Fee |        |

| DATA ELEMENT                                                                                                                                                                                         | UPPER ZONE                                                    | INTERMEDIATE ZONE                                             | LOWER ZONE                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------|
| Pool Name                                                                                                                                                                                            | West Nadine Paddock Blinebry                                  | West Nadine Drinkard                                          | East Skaggs Abo                                                |
| Pool Code                                                                                                                                                                                            | 47400                                                         | 47505                                                         | 56630                                                          |
| Top and Bottom of Pay Section<br>(Perforated or Open-Hole Interval)                                                                                                                                  | 5876' - 6372'                                                 | 6798' - 6893'                                                 | 7110' - 7364'                                                  |
| Method of Production<br>(Flowing or Artificial Lift)                                                                                                                                                 | ARTIFICIAL LIFT                                               | ARTIFICIAL LIFT                                               | ARTIFICIAL LIFT                                                |
| Bottomhole Pressure<br><small>(Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)</small>    |                                                               |                                                               |                                                                |
| Oil Gravity or Gas BTU<br><small>(Degree API or Gas BTU)</small>                                                                                                                                     | 33.9                                                          | 32.4                                                          | 38                                                             |
| Producing, Shut-In or New Zone                                                                                                                                                                       | PRODUCING                                                     | SHUT-IN                                                       | SHUT-IN                                                        |
| Date and Oil/Gas/Water Rates of Last Production.<br><small>(Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)</small> | Date: 10/31/2000<br>Rates: 56 B.O./D., 11 BW/D., & 159 MCFGPD | Date: 10/08/1999<br>Rates: 1 B.O./D., 21 B.W./D., & 26 MCFGPD | Date: 08/31/1999<br>Rates: 16 B.O./D., 45 B.W./D., & 48 MCFGPD |
| Fixed Allocation Percentage<br><small>(Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)</small>                  | Oil 77 % Gas 68 %                                             | Oil 1 % Gas 11 %                                              | Oil 22 % Gas 21 %                                              |

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?

Yes ☒ No ☐  
Yes ☐ No ☐

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

Yes ☒ No ☐

Will commingling decrease the value of production?

Yes ☐ No ☒

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?

Yes ☐ No ☐

NMOCD Reference Case No. applicable to this well:

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 working, royalty and overriding royalty interests for uncommon interest cases.  
Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling withing the proposed Pre-Approved Pools  
List of all operators withing the proposed Pre-Approved Pools  
Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.  
Bottomhole pressure data.

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

SIGNATURE Duwayne Perry TITLE Sr. Professional Engineer DATE 11/14/2000  
TYPE OR PRINT NAME Duwayne Perry TELEPHONE NO. 915 758-6700

**DISTRICT I**

P.O. Box 1980, Hobbs, NM 88241-1980

**DISTRICT II**

811 S. 1st Street, Artesia, NM 88211-0719

**DISTRICT III**

1000 Rio Brazos Rd., Aztec, NM 87410

**DISTRICT IV**

2040 South Pacheco, Santa Fe, NM 87505

**State of New Mexico**

Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**

2040 South Pacheco

Santa Fe, NM 87505

Form C-102

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ **AMENDED REPORT****WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                              |  |                                             |  |                                            |                         |
|------------------------------|--|---------------------------------------------|--|--------------------------------------------|-------------------------|
| 1 API Number<br>30-025-07757 |  | 2 Pool Code<br>47400                        |  | 3 Pool Name<br>West Nadine Paddock Blinbry |                         |
| 4 Property Code<br>000123    |  | 5 Property Name<br>M. J. Raley              |  |                                            | 6 Well No.<br>2         |
| 7 OGRID No.<br>000495        |  | 8 Operator Name<br>Amerada Hess Corporation |  |                                            | 9 Elevation<br>3573' DF |

**10 Surface Location**

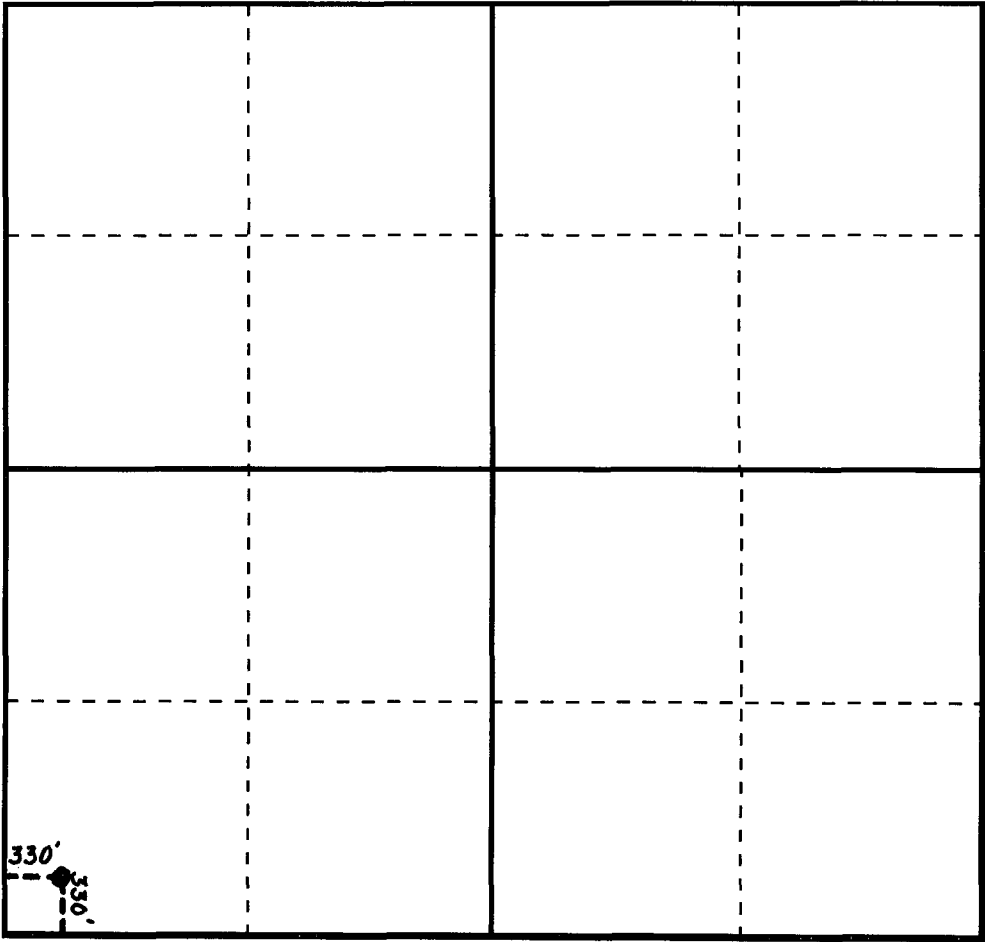
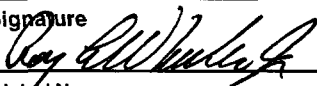
|                    |              |                 |              |         |                      |                           |                      |                        |               |
|--------------------|--------------|-----------------|--------------|---------|----------------------|---------------------------|----------------------|------------------------|---------------|
| UI or lot no.<br>M | Section<br>8 | Township<br>20S | Range<br>38E | Lot.Idn | Feet From The<br>330 | North/South Line<br>South | Feet From The<br>330 | East/West Line<br>West | County<br>Lea |
|--------------------|--------------|-----------------|--------------|---------|----------------------|---------------------------|----------------------|------------------------|---------------|

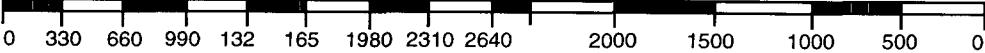
**11 Bottom Hole Location If Different From Surface**

|               |         |          |       |         |               |                  |               |                |        |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UI or lot no. | Section | Township | Range | Lot.Idn | Feet From The | North/South Line | Feet From The | East/West Line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|

|                          |                    |                       |              |
|--------------------------|--------------------|-----------------------|--------------|
| 12 Dedicated Acres<br>40 | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
|--------------------------|--------------------|-----------------------|--------------|

**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

|                                                                                    |                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>17 OPERATOR CERTIFICATION</b><br>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief                                                                                                          |
|                                                                                    | Signature<br>                                                                                                                                                              |
|                                                                                    | Printed Name<br>Roy L. Wheeler, Jr.                                                                                                                                                                                                                             |
|                                                                                    | Title<br>Bus. Svc. Spec. II                                                                                                                                                                                                                                     |
|                                                                                    | Date<br>November 11, 2000                                                                                                                                                                                                                                       |
|                                                                                    | <b>18 SURVEYOR CERTIFICATION</b><br>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                                                                                                                                                                                                                                                   |
|                                                                                    | Signature & Seal of Professional Surveyor                                                                                                                                                                                                                       |
|                                                                                    | Certificate No.                                                                                                                                                                                                                                                 |



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State of New Mexico  
Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**

2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ **AMENDED REPORT**

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                                         |                                                        |                                                |
|-----------------------------------------|--------------------------------------------------------|------------------------------------------------|
| <sup>1</sup> API Number<br>30-025-07757 | <sup>2</sup> Pool Code<br>47505                        | <sup>3</sup> Pool Name<br>West Nadine Drinkard |
| <sup>4</sup> Property Code<br>000123    | <sup>5</sup> Property Name<br>M. J. Raley              | <sup>6</sup> Well No.<br>2                     |
| <sup>7</sup> OGRID No.<br>000495        | <sup>8</sup> Operator Name<br>Amerada Hess Corporation | <sup>9</sup> Elevation<br>3573' DF             |

<sup>10</sup> **Surface Location**

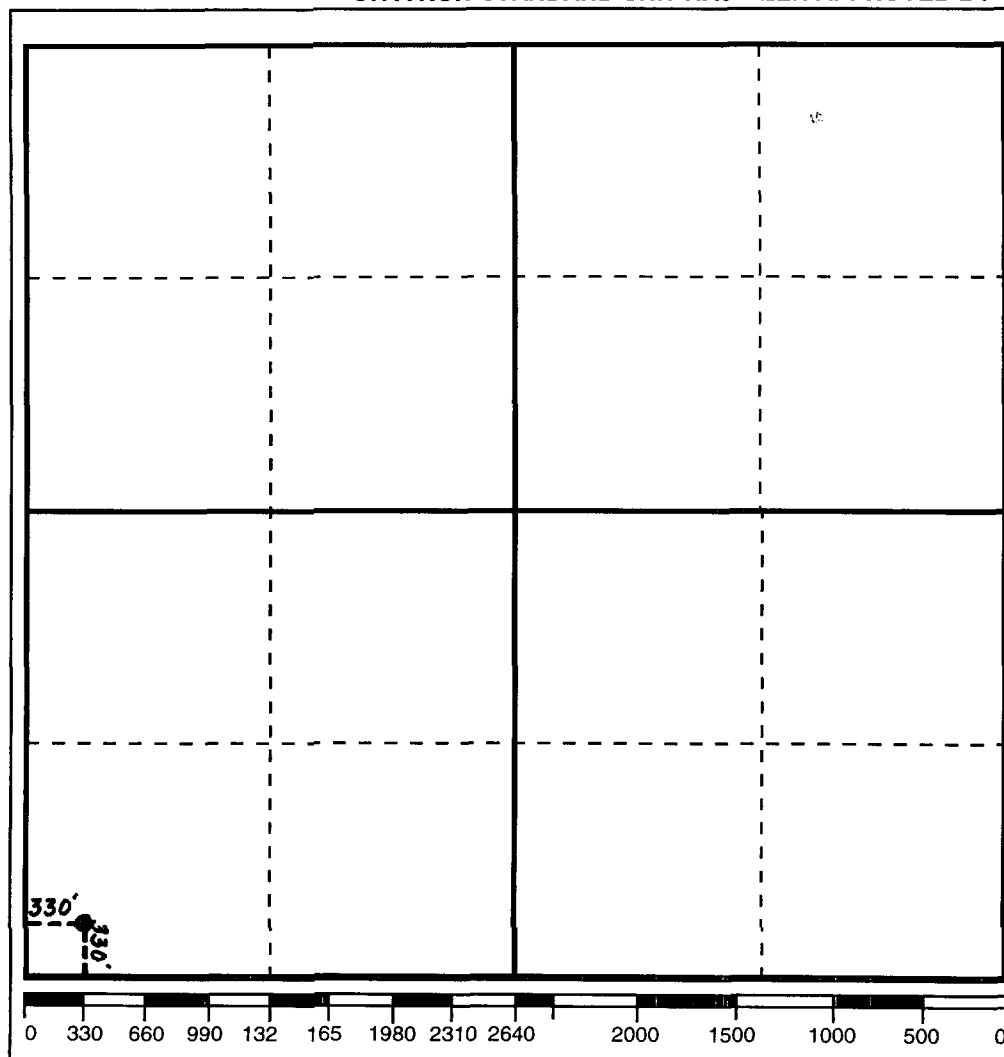
| UI or lot no. | Section | Township | Range | Lot.Idn | Feet From The | North/South Line | Feet From The | East/West Line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M             | 8       | 20S      | 38E   |         | 330           | South            | 330           | West           | Lea    |

<sup>11</sup> **Bottom Hole Location If Different From Surface**

| UI or lot no. | Section | Township | Range | Lot.Idn | Feet From The | North/South Line | Feet From The | East/West Line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|               |         |          |       |         |               |                  |               |                |        |

|                                     |                               |                                  |                         |
|-------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br>40 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
|-------------------------------------|-------------------------------|----------------------------------|-------------------------|

**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**



<sup>17</sup> **OPERATOR CERTIFICATION**

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

Signature

Printed Name

Roy L. Wheeler, Jr.

Title

Bus. Svc. Spec. II

Date

November 11, 2000

<sup>18</sup> **SURVEYOR CERTIFICATION**

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

Signature & Seal of  
Professional Surveyor

Certificate No.

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II  
811 S. 1st Street, Artesia, NM 88211-0719

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                              |                                             |                                |
|------------------------------|---------------------------------------------|--------------------------------|
| 1 API Number<br>30-025-07757 | 2 Pool Code<br>56630                        | 3 Pool Name<br>East Skaggs Abo |
| 4 Property Code<br>000123    | 5 Property Name<br>M. J. Raley              | 6 Well No.<br>2                |
| 7 OGRID No.<br>000495        | 8 Operator Name<br>Amerada Hess Corporation | 9 Elevation<br>3573' DF        |

10 Surface Location

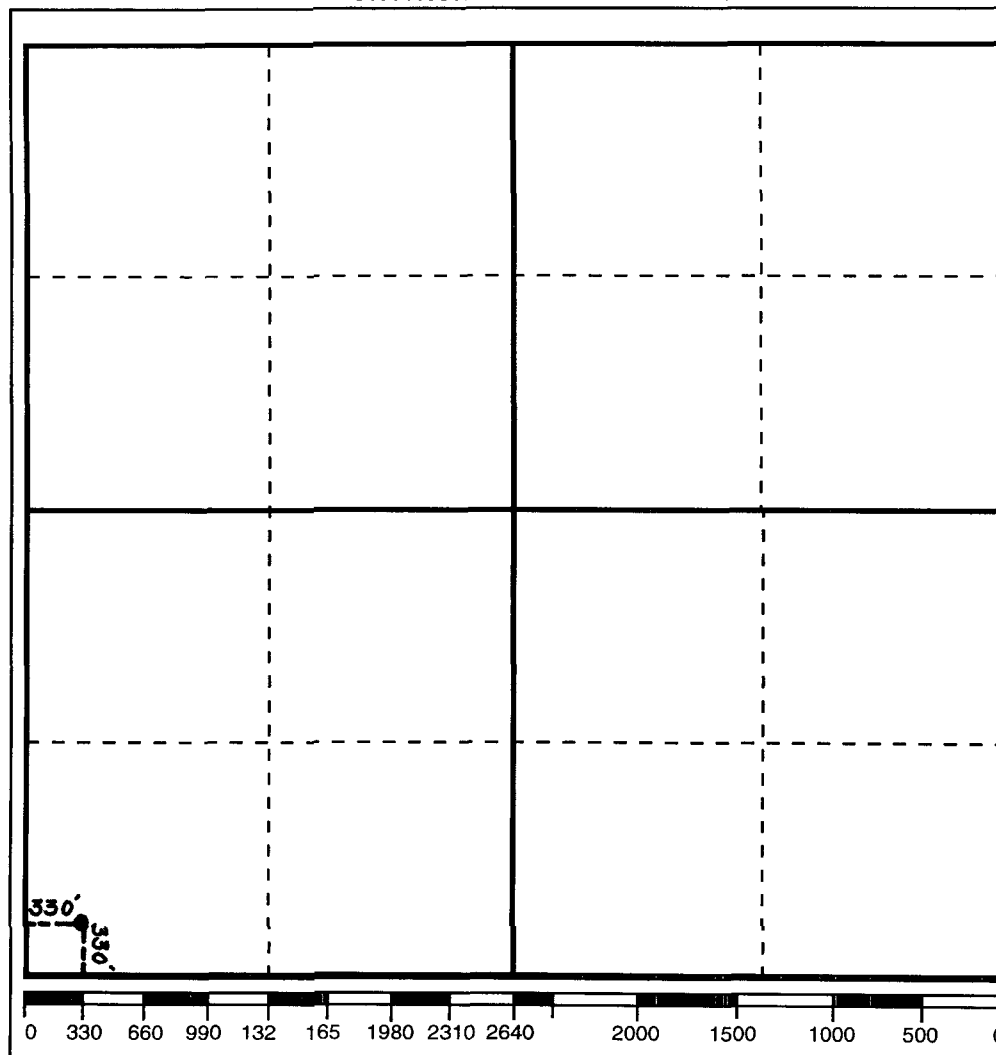
|                    |              |                 |              |         |                      |                           |                      |                        |               |
|--------------------|--------------|-----------------|--------------|---------|----------------------|---------------------------|----------------------|------------------------|---------------|
| UI or lot no.<br>M | Section<br>8 | Township<br>20S | Range<br>38E | Lot.Idn | Feet From The<br>330 | North/South Line<br>South | Feet From The<br>330 | East/West Line<br>West | County<br>Lea |
|--------------------|--------------|-----------------|--------------|---------|----------------------|---------------------------|----------------------|------------------------|---------------|

11 Bottom Hole Location If Different From Surface

|               |         |          |       |         |               |                  |               |                |        |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UI or lot no. | Section | Township | Range | Lot.Idn | Feet From The | North/South Line | Feet From The | East/West Line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|

|                          |                    |                       |              |
|--------------------------|--------------------|-----------------------|--------------|
| 12 Dedicated Acres<br>40 | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
|--------------------------|--------------------|-----------------------|--------------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



|                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 17 OPERATOR CERTIFICATION<br>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief<br><br>Signature<br><i>Roy L. Wheeler, Jr.</i><br>Printed Name<br>Roy L. Wheeler, Jr.<br>Title<br>Bus. Svc. Spec. II<br>Date<br>November 11, 2000                                                 |
| 18 SURVEYOR CERTIFICATION<br>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.<br>Date Surveyed<br><br>Signature & Seal of Professional Surveyor<br><br>Certificate No. |

Reporting for Cost Center: S00012-Monument Area

Prod Volumes - Begin Date : 12/31/1999 - End Date : 09/30/2000

Attributes : Well Completion Sum By : Selected Entities

| Well                          | Prod. Date | Prod. Oil<br>(BBLs) | Prod. Gas<br>(MCF) | Prod. Water<br>(BBLs) | Well No   | Well API   |
|-------------------------------|------------|---------------------|--------------------|-----------------------|-----------|------------|
| RALEY, MARY J #2-2 (BLINEBRY) | 12/31/1999 | 3548                | 4541               | 1225                  | 001581-02 | 3002507757 |
| RALEY, MARY J #2-2 (BLINEBRY) | 01/31/2000 | 5102                | 5786               | 1332                  | 001581-02 | 3002507757 |
| RALEY, MARY J #2-2 (BLINEBRY) | 02/29/2000 | 3995                | 8361               | 576                   | 001581-02 | 3002507757 |
| RALEY, MARY J #2-2 (BLINEBRY) | 03/31/2000 | 4216                | 6192               | 833                   | 001581-02 | 3002507757 |
| RALEY, MARY J #2-2 (BLINEBRY) | 04/30/2000 | 2466                | 4976               | 419                   | 001581-02 | 3002507757 |
| RALEY, MARY J #2-2 (BLINEBRY) | 05/31/2000 | 2645                | 5507               | 478                   | 001581-02 | 3002507757 |
| RALEY, MARY J #2-2 (BLINEBRY) | 06/30/2000 | 2303                | 4767               | 432                   | 001581-02 | 3002507757 |
| RALEY, MARY J #2-2 (BLINEBRY) | 07/31/2000 | 1783                | 4716               | 285                   | 001581-02 | 3002507757 |
| RALEY, MARY J #2-2 (BLINEBRY) | 08/31/2000 | 1636                | 4887               | 369                   | 001581-02 | 3002507757 |
| RALEY, MARY J #2-2 (BLINEBRY) | 09/30/2000 | 1590                | 4682               | 357                   | 001581-02 | 3002507757 |

Reporting for Cost Center: S00012-Monument Area

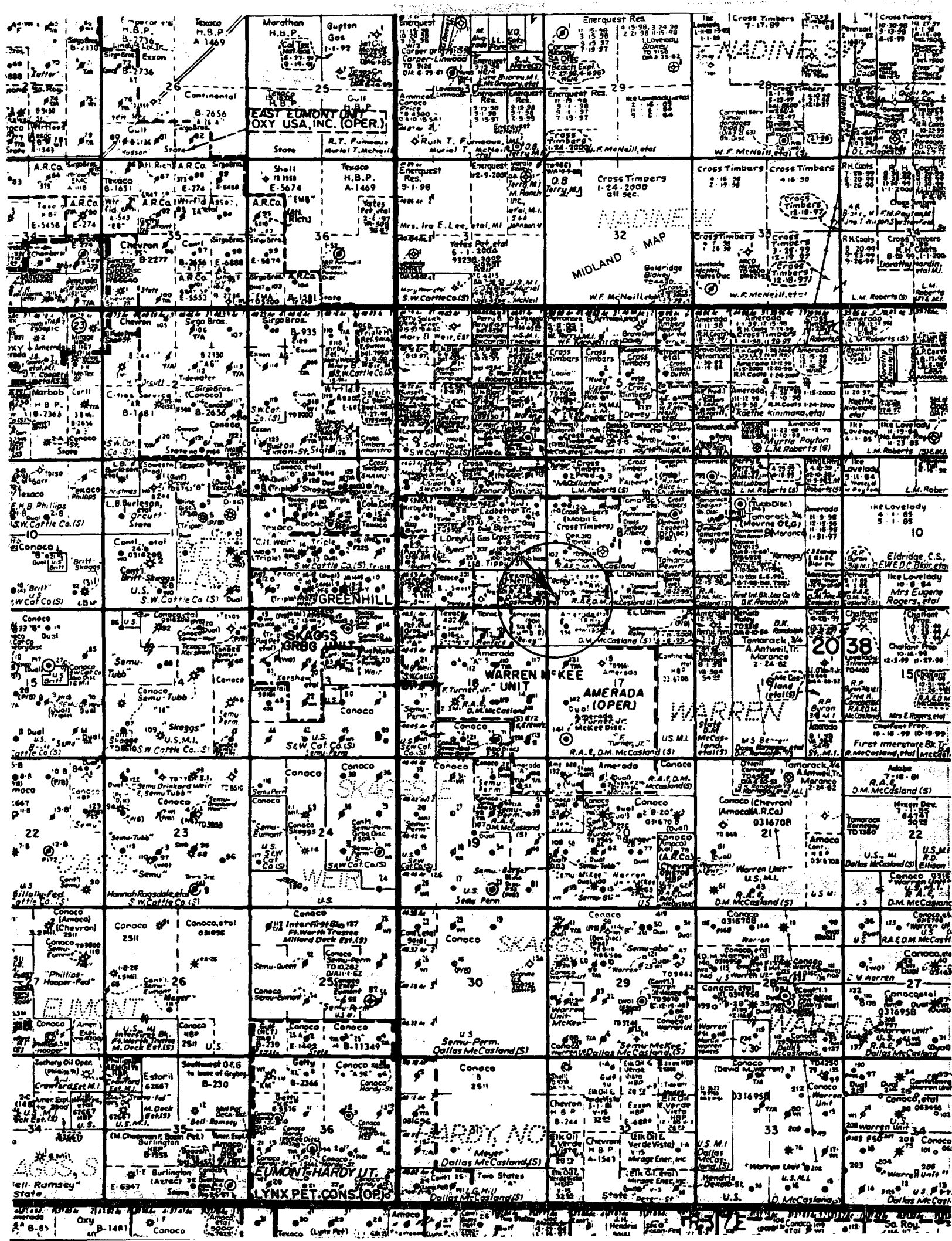
Prod Volumes - Begin Date : 08/01/1999 - End Date : 09/30/2000

Attributes : Well Completion Sum By : Selected Entities

| Well                          | Prod. Date | Prod. Oil<br>(BBLs) | Prod. Gas<br>(MCF) | Prod. Water<br>(BBLs) | Well No   | Well API   |
|-------------------------------|------------|---------------------|--------------------|-----------------------|-----------|------------|
| RALEY, MARY J #2-1 (DRINKARD) | 08/31/1999 | 0                   | 0                  | 0                     | 001581-01 | 3002507757 |
| RALEY, MARY J #2-1 (DRINKARD) | 09/30/1999 | 34                  | 471                | 456                   | 001581-01 | 3002507757 |
| RALEY, MARY J #2-1 (DRINKARD) | 10/31/1999 | 59                  | 527                | 220                   | 001581-01 | 3002507757 |
| RALEY, MARY J #2-1 (DRINKARD) | 11/30/1999 | 0                   | 0                  | 0                     | 001581-01 | 3002507757 |

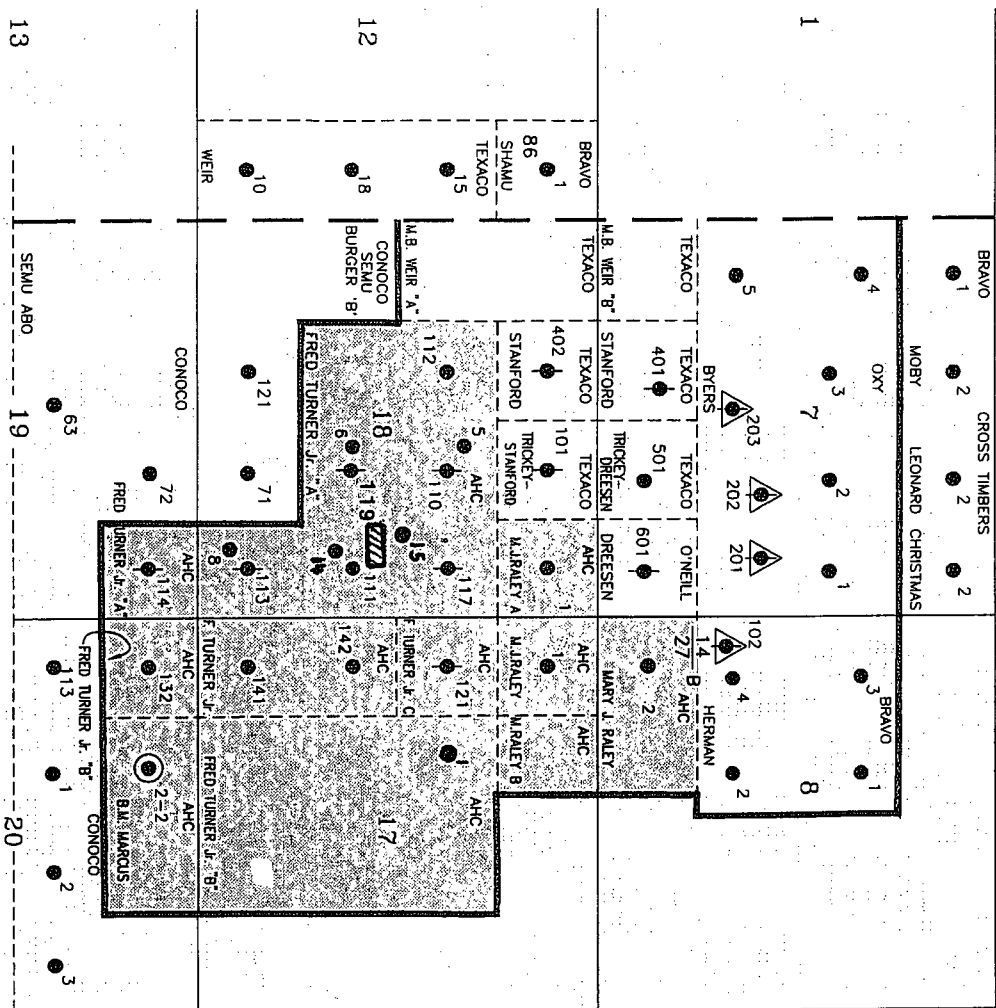
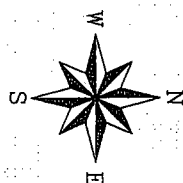
Reporting for Cost Center: S00012-Monument Area  
 Prod Volumes - Begin Date : 05/01/1999 - End Date : 09/30/2000  
 Attributes : Well Completion Sum By : Selected Entities

| Well                     | Prod. Date | Prod. Oil<br>(BBLs) | Prod. Gas<br>(MCF) | Prod. Water<br>(BBLs) | Well No   | Well API   |
|--------------------------|------------|---------------------|--------------------|-----------------------|-----------|------------|
| RALEY, MARY J #2-3 (ABO) | 05/31/1999 | 449                 | 1390               | 1446                  | 001581-03 | 3002507757 |
| RALEY, MARY J #2-3 (ABO) | 06/30/1999 | 430                 | 1373               | 1323                  | 001581-03 | 3002507757 |
| RALEY, MARY J #2-3 (ABO) | 07/31/1999 | 501                 | 1465               | 1492                  | 001581-03 | 3002507757 |
| RALEY, MARY J #2-3 (ABO) | 08/31/1999 | 488                 | 1475               | 1408                  | 001581-03 | 3002507757 |
| RALEY, MARY J #2-3 (ABO) | 09/30/1999 | 0                   | 0                  | 0                     | 001581-03 | 3002507757 |



R-37-E

R-38-E



CONFIDENTIAL

WELL INFORMATION

LEASE INFORMATION

- OIL WELL
- T&D
- P & A
- ☀ GAS WELL
- △ INJECTION WELL
- ⊗ SWD
- AHC

WMU/TURNER "A" FACILITY

8-24-2000  
WELLS PRODUCING TO WARREN MCKEE UNFRED TURNER  
JR. "A" BATTERY

WEST NADINE PADDOCK-BLINEBERRY

LEASE  
M. J. RALEY #1  
M. J. RALEY #2  
LOCATION  
UNIT D, SEC. 17, T20S, R38E  
UNIT M, SEC. 8, T20S, R38E

EAST SKAGGS ABO

LEASE  
M. J. RALEY "A" #1  
LOCATION  
UNIT A, SEC. 18, T20S, R38E

SKAGGS GRAYBURG

LEASE  
FRED TURNER JR. "A" #5  
FRED TURNER JR. "A" #6  
FRED TURNER JR. "A" #8  
FRED TURNER JR. "A" #14  
LOCATION  
UNIT G, SEC. 18, T20S, R38E  
UNIT J, SEC. 18, T20S, R38E  
UNIT P, SEC. 18, T20S, R38E  
UNIT I, SEC. 18, T20S, R38E

EAST SKAGGS ABO

LEASE  
TURNER "A" #15  
LOCATION  
UNIT I, SEC. 18, T20S, R38E

WEST NADINE PADDOCK-BLINEBERRY & WEST NADINE TUBB

LEASE  
FRED TURNER JR. "B" #1  
LOCATION  
UNIT F, SEC. 17, T20S, R38E

WARREN MCKEE SIMPSON

LEASE  
WARREN MCKEE UNIT #111  
WARREN MCKEE UNIT #112  
WARREN MCKEE UNIT #117  
WARREN MCKEE UNIT #132  
WARREN MCKEE UNIT #141  
WARREN MCKEE UNIT #142  
WARREN MCKEE UNIT #501  
LOCATION  
UNIT I, SEC. 18, T20S, R38E  
UNIT F, SEC. 18, T20S, R38E  
UNIT H, SEC. 18, T20S, R38E  
UNIT D, SEC. 20, T20S, R38E  
UNIT M, SEC. 17, T20S, R38E  
UNIT L, SEC. 17, T20S, R38E  
UNIT O, SEC. 17, T20S, R38E

\*WELLS CURRENTLY SHUT-IN

AMERADA HESS CORPORATION

BASE MAP

SKAGGS.DWG