

0-1 0-1 0-1

| Sec. | Area and/or Well Description | Formation & Depth | Injection | | Order No. | Date | Type Order | Applicant |
|------|--|--|-----------|-----|-----------|---------|------------|---------------------|
| | | | Begin | End | | | | |
| 13 | NW, S/2 NE, NW NE, NE SW and SE NE (See IN-19ECM) | Upper Morrow Formation <u>MORCAM UNIT</u> | | | 1104095 | 3-26-74 | 16 | Citiles Service Oil |
| 24 | | | | | | | | |

Order Types: 15A - WaterFlood 15D - Increased Allowable
 15B - Gas Injection 15E - Extensions
 15C - Other

Texas COUNTY
 Twp - IN Rge - 18 ECM

OKLAHOMA SECONDARY RECOVERY

| Sec. | Area and/or Well Description | Formation & Depth | Type Project | Order No. | Date | Application No. | Applicant |
|------|---|---|--|-----------|----------|-----------------|--------------------------------|
| 25 | SE E/2 E/2 | Upper Morrow 7126-7554 | | 76413 | 9-9-69 | 30783 | Humble Oil & Refining Co |
| 36 | (See 1N-20, 1N-21ECM, 1S-20ECM, Beaver; 1S-19ECM Texas) 1N | | CAMRICK UNIT (Unit 6639) | | | | |
| 19 | W/2, SE, and SW NE W/2 NW and SW NE, NE SE (See 1N-18 ECM) | Upper Morrow forma. # 2001-01 P:4-10-5-87 MORCAM UNIT | Upper Morrow See 29-1N-19ECM | 104095 | 3-26-74 | 38381 | Cities Service Oil Co. |
| 29 | | | | | | | |
| 30 | | | | | | | |
| 19 | C NE SW | Upper Morrow sand 6548-6554 Plugged 4/85 # 1401 | | 246280 | 10-11-83 | 13262 | Cities Service Oil & Gas Corp. |
| 19 | Morcam Unit #1403W | Morrow S-1 6545-6555 | | 251068 | 12-30-83 | 14254 | Cities Service Oil & Gas Corp. |
| 19 | Morcam Unit #1403W | Morrow S-1 6545-6555 | | 251841 | 1-13-84 | 14254 | Cities Service Oil & Gas Corp. |

(69)

(W) Well Description

WF-Water Flood

GI-Gas Injection

TP-Thermal Process



TEXAS 139 COUNTY

Twp- 1N Rge- 19ECM

OKLAHOMA SECONDARY RECOVERY

| Sec. | Area and/or Well Description | Formation & Depth | Type Project | Order No. | Date | Applica-tion No. | Applicant |
|------|---|------------------------|--------------|-----------|-----------------------|------------------|--------------------------|
| 1 | E/2 E/2 Frac Sec (See IN-20, IN-21ECM; 1S-20ECM, Beaver; IN-19ECM Texas) | Upper Morrow 7126-7554 | CAMRICK UNIT | 176413 | 9-9-69 (Unit 6639) | 30783 | Humble Oil & Refining Co |

(69)

(W) Well Description

WF-Water Flood

GI-Gas Injection

TP-Thermal Process



TEXAS

COUNTY

Twp- 15N

Rge- 19ECM

SECONDARY RECOVERY

WELL RECORD

| Sec. | Well Description | Formation & Depths | Order No. | Date | Application No. | Applicant |
|------|-------------------------------|--------------------------|-----------|---------|-----------------|----------------------|
| 4 | RmU #8 ENE, NE, SW | Upper member 5120-5150' | 391099 | 3-30-95 | 950000134 | Ensign Operating Co. |
| 4 | RmU #5 OSW, NW | " " 5102-5118' | 391095 | 3-30-95 | 950000135 | " " " |
| 4 | RmU #6 OSW, NE | " " 5106-5174 | 391094 | 3-30-95 | 950000131 | " " " |
| 8 | RmU #13 Cw 1/2, NW | " " 5010-5057' | 391099 | 3-30-95 | 950000154 | " " " |
| 5 | RmU #9 (mead #2) W/2 SE SE | Arbuckle 5076'-5106' | 391602 | 4-20-95 | 950000191 | " " " |
| 7 | RmU #15X CNE SE | Upper member 4908'-4962' | 391992 | 5-4-95 | 950000216 | " " " |
| 5 | RmU #19Y SE NW SW SE | Upper member 5066'-5086' | 394336 | 8-12-95 | 950000426 | " " " |
| 4 | RmU #3 CNE NW | " " 5097-5120' | 404674 | 8-28-94 | 960000569 | " " " |
| 7 | RmU #17XD W/2 SE SE | " " 5075-5085' | 411142 | 4-9-97 | 970000113 | " " " |
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SECONDARY RECOVERY

WELL RECORD

| Sec. | Well Description | Formation & Depths | Order No. | Date | Application No. | Applicant |
|------|----------------------------|--------------------------|-----------|----------|-----------------|-------------------|
| 15 | NE RMU #1 | Upper Morrison 5338-5360 | 385789 | 8-26-94 | 940000813 | Emerald Power Co. |
| 15 | " #6 (SE SE SW) | " " 5168-5188 | 385787 | " " | 940000799 | " " " |
| 15 | SE #1 SW SE 4 | " " 5212-5232 | 385782 | " " | 940000791 | " " " |
| 22 | SE #1 SW SE 15 | " " 5138-5148 | 385788 | " " | 940000788 | " " " |
| 22 | NE RMU #15 | Upper Morrison 5162-5118 | 385958 | 9-1-94 | 940000803 | Emerald Power Co. |
| 21 | NE RMU #13 | Upper Morrison 5100-5150 | 386418 | 9-21-94 | 940000841 | Emerald Power Co. |
| 14 | NE RMU #5 | " " 5210-5276 | 386417 | " " | 940000836 | " " " |
| 14 | NE RMU #2 | " " 5322-5343 | 386376 | " " | 940000844 | " " " |
| 22 | NE RMU #10 | " " 5150-5160 | 386375 | " " | 940000840 | " " " |
| 22 | NE RMU #19 | Upper Morrison 5176-5198 | 387522 | 10-28-94 | 940000943 | Emerald Power Co. |
| 33 | RMU #1 CHARLEY A #1 ASE SW | Upper Morrison 5097-5120 | 391096 | 3-30-95 | 950000133 | " " " |
| 22 | NE RMU #1 SW NW | " " 5328-5360 | 401808 | 5-15-96 | 960000215 | " " " |
| 15 | NE RMU #8 SE SE SW | " " 5203-5221 | 409043 | 1-30-97 | 970000066 | " " " |

Twp- 3N Range- 10EEM

Section- 10

County- Grant

Page- 1

SECONDARY RECOVERY

WELL RECORD

| Sec. | Well Description | Formation & Depths | Order No. | Date | Application No. | Applicant |
|------|--|------------------------|-----------|---------|-----------------|-------------------|
| 7 | Wells C#2 | Terminated 3.12.93 | | | | |
| 7 | ESU#9 | Upper Mushur 5518-5548 | 380168 | 4-15-92 | 25934 | Burbly Regal |
| 5 | 5/2 SW + 5/2 SE | East South Mushur 5411 | 376157 | 8-31-93 | 166378 | Emerging Opns Co. |
| 6 | All of SE SE; 1/4 NW SE + E of the 1/4 NW SE | | | | | |
| | ESU#8 | | | | | |
| | ESU#9 | | | | | |
| | ESU#10 | | | | | |
| | ESU#11 | | | | | |
| | ESU#12 | | | | | |
| | ESU#13 | | | | | |
| | ESU#14 | | | | | |
| | ESU#15 | | | | | |
| | ESU#16 | | | | | |
| | ESU#17 | | | | | |
| | ESU#18 | | | | | |
| | ESU#19 | | | | | |
| | ESU#20 | | | | | |
| | ESU#21 | | | | | |
| | ESU#22 | | | | | |
| | ESU#23 | | | | | |
| | ESU#24 | | | | | |
| | ESU#25 | | | | | |
| | ESU#26 | | | | | |
| | ESU#27 | | | | | |
| | ESU#28 | | | | | |
| | ESU#29 | | | | | |
| | ESU#30 | | | | | |
| | ESU#31 | | | | | |
| | ESU#32 | | | | | |
| | ESU#33 | | | | | |
| | ESU#34 | | | | | |
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| | ESU#36 | | | | | |
| | ESU#37 | | | | | |
| | ESU#38 | | | | | |
| | ESU#39 | | | | | |
| | ESU#40 | | | | | |
| | ESU#41 | | | | | |
| | ESU#42 | | | | | |
| | ESU#43 | | | | | |
| | ESU#44 | | | | | |
| | ESU#45 | | | | | |
| | ESU#46 | | | | | |
| | ESU#47 | | | | | |
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| | ESU#94 | | | | | |
| | ESU#95 | | | | | |
| | ESU#96 | | | | | |
| | ESU#97 | | | | | |
| | ESU#98 | | | | | |
| | ESU#99 | | | | | |
| | ESU#100 | | | | | |

Twp- 3N Range- 11E CM
 Texas County Penn

SALT WATER DISPOSAL WELL RECORD

| Sec. | Description | Formation & Depths | Order No. | Date | Application No. | Applicant |
|------|--------------------------|--------------------------|----------------------------------|-------------------|-----------------|---------------------------|
| 2 | C SW NE #1-1 | Upper Morrow 6308'-6332' | ORDER CORR. 86401 ORDER 86024 | 8-30-71 8-6-71 | PD 5348 | Anadarko Prod. Co. (Inf.) |
| 4 | N/2 SE #8-1 | " | " | " | " | " |
| 11 | C NW NE #15-1 | " | " | " | " | " |
| 9 | C E/2 NE #20-1 | " | " | " | " | " |
| 10 | C NE SW #21-1 | " | " | " | " | " |
| 14 | C SW NE #24-1 | " | " | " | " | " |
| 15 | C W/2 SE #28-2 | " | " | " | " | " |
| 23 | C NW NE #33-4 | " | " | " | " | " |
| 23 | C SE SW #34-2 | " | " | " | " | " |
| 11 | C NW SE #35-2 | " | " | " | " | " |
| 23 | SW SE #33-1 | Upper Morrow 6386'-6416' | 92108 | 7-18-72 | PD 6090 | Anadarko Prod. Co. (Inf.) |

TERMINATED 1-14-88 Returned to TIA Production

N.E. MESSINA

TERM 5/13/92

OKLAHOMA BOUNDARY RECOVERY

| Sec. | Area and/or Well Description | Formation and Depth | Type of Project | Order No. | Date | Application No. | Applicant |
|------|-------------------------------|--|-----------------|-------------------|--------------------|------------------|--------------------|
| 3 | C SE NE | Upper Morrow 6348-6364 | | 260195 | 5-31-84 | 15142 | Anadarko Prod. Co. |
| 10 | SE SE | Upper Morrow 6352-6372 <i>Form. 1-31-89</i> | | 260194 | " | 15141 | " |
| 10 | NW NE | " " " " <i>Form. 1-31-89</i> 6343-6367 | | 260193 | " | 15140 | " |
| 11 | SE SW | " " " " 6330-6360 | | 260192 | " | 15139 | " |
| 11 | SE NW | " " " " 6336-6346 | | 260191 | " | 15138 | " |
| 10 | SE NW <i>PETROL & OIL</i> | " " " " 6342-6356 | <i>PETROL</i> | 260190 | " | 15137 | " |
| 3 | SE SE | " " " " 6331-6356 | | 260189 | " | 15136 | " |
| 10 | SE NE | " " " " 6337-6369 <i>Form. 1-31-89</i> | | 260188 | " | 15135 | " |
| 2 | SE SW | " " " " 6330-6337 | | 260187 | " | 15134 | " |
| 3 | SE SW | " " " " 6330-6358 | | 260186 | " | 15133 | " |
| 3 | SE NW | " " " " 6353-6376 | | 260185 | " | 15132 | " |
| 2 | C SE NW | " " " " 6312-6336 | | 260184 | " | 15131 | " |
| 3 | SE NW | Upper Morrow 6353-6376 | | 260546 | 6-7-84 | 15132 | Anadarko Prod. Co. |
| 2 | NW NW | Upper Morrow 6332-6343 | | 281114 | 6-28-85 | 16409 | Anadarko Prod. Co. |
| 11 | C NW SW | Upper Morrow | | 225676 | " | " | " |
| 11 | C SE NW | Upper Morrow 6316-6344 <i>Well Truncated 1-14-88</i> | | 285248 | 9-10-85 | 16565 | " |

Tulsa County
Twp - 31 Rge - 18N

OKLAHOMA SECONDARY RECOVERY

| Acc. | Area and/or Well Description | Formation & Depth | Injection | | Order No. | Date | Type | Applicant |
|---------------|---|------------------------------|-----------|-----|-------------------|--------------------|---------------|------------------------------------|
| | | | Begin | End | | | | |
| 2 | A11 | Upper Morrow Sand | | | 186116 | 8-10-71 | 16 | Anadarko Production Co. |
| 3 | A11 | | | | CD 33921 | | WF | |
| 4 | E/2 | | | | CD 33922 | | | |
| 9 | NE | | | | | | | |
| 10 | A11 (excepting railroad right of way in NE) | | | | | | | |
| 11 | A11 | | | | | | | |
| 14 | A11 | | | | | | | |
| 15 | E/2 | | | | | | | |
| 23 | A11 | | | | | | | |
| 15 | C SE NE | Upper Morrow Sand | | | 213998 | 4-21-82 | WF | Anadarko Production Co. |
| | Northeast Hardesty Unit #27-1 | 6390'-6404' | | | | | | |
| 10 | C NW NW | Upper Morrow Sand | | | 213997 | 4-21-82 | WF | Anadarko Production Co. |
| | Northeast Hardesty Unit #19-2 | 6337'-6354' | | | | | | |
| | | | 7126 | | | | | |
| 10 | NE Hardesty Unit NO. 22-1 | 6450' Morrow Sand | | | 225783 | 10-5-82 | | Anadarko Production Co. |
| | 50' E C NW4 SE4 | | | | | | | |
| | C NW4 NE4 | " | | | | | | |
| | C NW4 NW4 | " | | | | | | |
| | C NW4 SW4 | " | | | | | | |
| | " | " | | | | | | |
| | CNW4 SE4 | " | | | | | | |
| | C NW4 SW4 | " | | | | | | |
| | 7" W C N2 NE4 | " | | | | | | |
| 23 | N $\frac{1}{2}$ NW SE | Upper Morrow | 6978 | | 234035 | 3-1-83 | 12790 | Anadarko Production Co. |
| | | | | | | | | |
| 14 | C NW NW | Upper Morrow sand | | | 244922 | 9-14-83 | 13584 | " |
| | | (63328-63337) | | | | | | |
| 23 | C NE NE SW | Upper Morrow sand | | | 244921 | 9-14-83 | 13583 | " |
| | | (63394-6405) | | | | | | |

Order Types: 15A - Waterflood
 15B - Gas Injection
 15C - Other

15D - Increased Allowable
 15E - Extensions

Twp - 3 N
 Range - 18 E
 COUNTY

OKLAHOMA SECONDARY RECOVERY

| Sec. | Area and/or Well Description | Formation & Depth | Injection | | Order No. | Date | Type Order | Applicant |
|------|---|-------------------------|-----------|-----|---------------------|--------|------------|--|
| | | | Begin | End | | | | |
| 2 | NE & E/2 ¹ / ₂ & SW SW & N/2 SE & SE NW | Kelly - 4441 -4470' | | | ✓ 85981 CD 33818 | 8-2-71 | 16 WF | Ashland Oil Co. (27) Tenneco Oil Co. (27) Tenneco Oil Co. (27) Tenneco Oil Co. (27) |
| 11 | NW, NW NE & NW SW | N/2 EVA KELLY SAND UNIT | | | | | | Tenneco Oil Co. Just Nat'l Oil Co. 3-90 |
| 10 | N/2 SE & SW SE | | | | | | | |
| 15 | N/2 NW & NW NE | | | | | | | |
| 10 | S/2 SW & NE SW | | | | | | | |
| | <i>NW/4 Sec 4 T33W (Burns?) T1A Reducen</i> <i>NW 1/4 SW. #18W Burns T1A 11-4-1983</i> | | | | | | | |

Order Types: 15A - Water Flood 15D - Increased Allowable
 15B - Gas Injection 15E - Extensions
 15C - Other

Texas COUNTY

Twp - 4 N Rge - 10 EGM

SECONDARY RECOVERY

WELL RECORD

| Sec. | Well Description | Formation & Depths | Order No. | Date | Application No. | Applicant |
|------|--------------------------|----------------------------|-----------|---------|-----------------|------------------|
| 17 | SW | ONE MILL MEASURE SQ. UNIT | 371665 | 2-8-93 | 165528 | Beard Oil Co. |
| 18 | S/2 | | | | | |
| 19 | ALL | | | | | |
| 20 | W/2 | | | | | |
| 29 | NW | | | | | |
| 30 | ALL | | | | | |
| 19 | OMU # 1914X CSE SE | MORROW SANDSTONE 4393-4454 | 395728 | 9-21-95 | 95000542 | Ensign Oper. Co. |
| 29 | OMU # 2912X W/2 NW NW | " " 4436-4447 | 395727 | 9-21-95 | 95000540 | " " |
| 30 | OMU 3011X W/2 NW SE | " " 4412-4450 | 395726 | 9-21-95 | 95000539 | " " |
| 19 | OMU 1915- E/2 SW SE | " " 4401-4460 | 395724 | 9-21-95 | 95000537 | " " |
| 18 | OMU 1821X CSE SE | " " 4412-4438 | 395725 | 9-21-95 | 95000538 | " " |
| 20 | OMU 2012 NW SW | " " 4395-4410 | 395947 | 10-2-95 | 95000541 | " " |
| 30 | OMU 3042X N/2 NW SW | " " 4393-4412 | 395949 | 10-2-95 | 95000569 | " " |

Twp- 4N
 Range- 10ECM
 Texas County

OKLAHOMA SECTION
WATER RECOVERY

| Sec. | Area and/or Well Description | Formation & Depth | Type Project | Order No. | Date | Applica- tion No. | Applicant |
|------|------------------------------|--------------------------------------|---------------|-----------|----------|----------------------|---------------------|
| 5 | All SE & N/2 | Upper Cherokee 5550' | WF 90 | 56946 | 11-20-64 | 21005 | Socony Mobil Oil |
| 6 | All | SHUAU # 10 plugged term | WF (Pressure) | 64757 | 1-6-67 | 26057 | Mobil Oil |
| 8 | All | SHUAU # 19 plugged SHUAU # 1 plugged | WF 10-17-91 | 61973 | 3-22-66 | 24161 | Socony Mobil Oil Co |
| 2 | All | Morrow "A-2" 6189' | WF Pressure | 61974 | 3-22-66 | 24162 | Socony Mobil Oil Co |
| 3 | All | Morrow Keyes 6552' | WF Pressure | 61972 | 3-22-66 | 24160 | Socony Mobil Oil Co |
| 4 | All | Morrow "A-1" 6150' | WF Pressure | 61971 | 3-22-66 | 24159 | Socony Mobil Oil Co |
| 10 | All | Morrow "A" 6110' | WF Pressure | 77445 | 10-15-69 | 31166 | Mobil Oil |
| 2 | All | WATMU # 24 plugged term 7-23-90 | WF Pressure | 68490 | 3-19-68 | 28400 | Mobil Oil |
| 3 | All | WATMU # 25 plugged term 8-24-90 | WF Pressure | | | | |
| 4 | E/2 | WATMU # 20 plugged term 7-22-91 | WF Pressure | | | | |
| 10 | N/2 & SE | WATMU # 20 plugged term 7-22-91 | WF Pressure | | | | |
| 1 | N/2 & SW | Morrow | WF Pressure | | | | |
| 9 | E/2 | | | | | | |
| 10 | SW | | | | | | |

(69)

(W) Well Description WF-Water Flood GI-Gas Injection TP-Thermal Process TEXAS COUNTY



OKLAHOMA

INDUSTRY RECOVERY

| Sec. | Area and/or Well Description | Formation and Depth | Type of Project | Order No. | Date | Application No. | Applicant |
|--------------|------------------------------------|-----------------------------|-----------------|-------------------|--------------------|------------------|----------------------------|
| 11 | C SE SE | Morrow sand 6049-6094 | | 241906 | 7-18-83 | 13403 | Anadarko Production Co. |
| 2 | ENE NW, W.H.M.U. #81 | Morrow 6143-6301 | WF | 310627 | 4-2-87 | 16832 | Mobil Oil Corp. |
| 4 | NW NW SE, W. Haugh 11 | Morrow 5950-6263 | WF | 315002 | 7-23-87 | 18730 | Mobil Oil Corp. |
| 4 | esene, W.H.M.U. #32 | Morrow 6050-6200 | WF | 355158 | 3-11-91 | 22759 | Mobil Oil Corp. |
| 3 | NW NW SE, W.H.M.U. #100 | Morrow 6055-6115 | WF | 363636 | 3-2-92 | 23714 | Mobil Oil Corp. |
| 3 | S NE, NW, SW, W Hmu #124 | Morrow 6000-6600' | | 418279 | 11-26-97 | 97000439 | Mobil Oil Corp. |

Texas County
 Twp - 4N Rge - 13E 6M

SECONDARY RECOVERY

WELL RECORD

| Sec. | Well Description | Formation & Depths | Order No. | Date | Application No. | Applicant |
|------|---------------------------------|------------------------|-----------|---------|-----------------|------------------------|
| 19 | W/2 NW; SE NE SW NE; N/2 S/2 | Hoff Creek 1/2 mile | 330872 | 9-29-88 | 146296 | Anderson Oil Co. Corp. |
| 29 | N/2; E/2 SW; + SE | { | { | { | { | { |
| 30 | NE | { | { | { | { | { |
| 32 | NW; W/2 NE; + NE NE NE | { | { | { | { | { |
| 29 | SE NW Goff Creek Wt #1 | Upper Moreau 6097-6107 | 410416 | 3-17-97 | 97000010 | " " |
| 29 | NE SE Goff Creek #9-1 | " " 6092-6108 | 410417 | 3-17-97 | 97000011 | " " |
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Twp- 411 Range- 14 E CM

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OKLAHOMA SECONDARY RECOVERY

| Sec. | Area and/or Well Description | Formation & Depth | Injection | | Order No. | Date | Type Order | Applicant |
|------|---|---|-----------|-----|-------------------|---------|------------|-----------------------------|
| | | | Begin | End | | | | |
| 6 | 4N (See 15 ECM) | Morrow A, A-1, A-2 A-Stray and Keys MCDANIEL-SHIELDS UNIT | | | 85299 CD 33667 | 6-7-71 | 16 WF | Anadarko Production (75) |
| 6 | C SW NE MCDANIEL SHIELDS | Morrow A 6143 6167 | | | 1-4-98 235164 | 3-18-83 | 12835 | NEWER COPURATED Anadarko |
| 6 | NE NE SW SE SE NE | Morrow 10152-6170 | | | 85331 | 6-14-71 | 5180 | Anadarko |
| 30 | C NE NE, 2nd Morrow #21 | 4. Morrow 1075-1088 | | | 344743 | 2-6-90 | 21359 | Anadarko Prod. Corp. |
| 19 | W NW, SE NW, SW NE 25 | U. Morrow | | | 330872 | 9-29-88 | 146296 | Anadarko Petr. Corp. |
| 29 | N, E SW, SE | Golf Creek Unit | | | | | | |
| 30 | NE | | | | | | | |
| 32 | NW, W NE, NE NE | | | | | | | |

Order Types: 15A - Waterflood 15D - Increased Allowable
 15B - Gas Injection 15E - Extensions
 15C - Other

Texas COUNTY
 Twp - 4N Rge - 14E6M
 Page

OKLAHOMA SECONDARY RECOVERY

| Sec. | A and/or Well Description | Formation & Depth | Injection | | Order No. | Date | Type Order | Applicant |
|------|---------------------------|--|-----------|-----|-------------------|----------|------------|---------------------|
| | | | Begin | End | | | | |
| 31 | SW (See 4N-14ECM) | Morrow A, A-1, A-2 A-Stray and Keys MCDANIELS-SHIELDS UNIT | | | B5299 CD 33667 | 6-7-71 | 16 WF | Anadarko Production |
| 10 | n/a n/w sw, Murdock A # | Keys 6380-6392' | | | 417942 | 11-17-97 | 990000402 | OKY USA |

Order Types: 15A - Waterflood
15B - Gas Injection
15C - Other

15D - Increased Allowable
15E - Extensions

Texas COUNTY
TWP - 4N Rge - 15 ECM

OKLAHOMA SECONDARY RECOVERY

| Sec. | Area and/or Well Description | Formation & Depth | Type Project | Order No. | Date | Applica- tion No. | Applicant |
|-----------------------|------------------------------|------------------------------|------------------------------|-----------|---------|----------------------|-----------------------------|
| 30 | All NW | Morrow (Purdy) 4300' | STURGIS EAST PURDY SAND UNIT | 58200 | 4-9-65 | 21845 | Cabot Corp |
| 30 | 150' S/E of C | Purdy "B" & "C" 4249'-4277' | | 284366 | 8-27-85 | 16581 | Cabot Petroleum Corporation |
| { ²⁹ 31 | w/a SW | Sturgis East Purdy Sand Unit | | 292040 | 1-24-86 | 126849 | Cabot Petroleum Corp. |

(W) Well Description WF-Water Flood GI-Gas Injection TP-Thermal Process



TEXAS COUNTY
Twp-5N Rge-10ECM

OKLAHOMA SECONDARY RECOVERY

| Ac. No. | Ac. Description | Formation & Depth | Injection Ref | Order No. | Date | Type Order | AP | ite |
|---------|---------------------|---|---------------|-------------------------|---------|------------|------------------------|-----|
| 18 | A11 | Morrow 4500' Bessie Carter Lease Project | WF | 196298 <i>127227</i> | 3-5-73 | WF | Texasco, Inc. | |
| 32 | E | Brewer #2 (TD 5579) | WF | 272024 | 1-23-85 | 15734 | Southport Explor. Inc. | |
| 28 | SOME NE. IIRC #1-28 | W. MORROW 5589-5579' | | 498859 | 1-22-98 | 90000574 | Ward Petroleum Corp. | |

Order Types: 15A - Waterflood
15B - Gas Injection
15C - Other

15D - Increased Allowable
15E - Extensions

Twp - 5N

Texas

COUNTY

Page - 11 ECM

Page

OKLAHOMA SECONDARY RECOVERY

| Sec. | Area and/or Well Description | Formation & Depth | Type Project | Order No. | Date | Application No. | Applicant | | |
|------|------------------------------|---|---|--|--------------------------------------|-----------------|---------------------------|-----------|--|
| 25 | All | Morrow "A" 6110' | WF | 61971 | 3-22-66 | 24159 | Socoony Mobil Oil Company | | |
| 26 | All | Pressure Maintenance | WF | 65240 | 3-3-67 | 26388 | Mobil Oil Corp | | |
| 27 | E/2 NE | | | (Extends Area of Order 61971) | 4-26-67 | 26679 | Mobil Oil Corp | | |
| 33 | SE & N/2 | | | (Enlarges Area of Order 65240) | 9-15-67 | 27446 | Mobil Oil Corp | | |
| 34 | All | | | (Enlarges Area of Order 61971) | | | | | |
| 35 | All | (See 4N-13ECM Texas) | WF | 65242 | 3-3-67 | 26391 | Mobil Oil Corp | | |
| 36 | All | | | Pressure Maintenance (Extends Area of Order 61972) | | | | | |
| 25 | N/2 | Morrow "A" 6162-6206' | WF | 167195 | 10-11-67 | 27638 | Mobil Oil Corp | | |
| 12 | All | (See 5N-14ECM Texas) | (HOUGH MORROW "A" UNIT) (Unit 5666) | 167934 | 1-9-68 | 28040 | Mobil Oil Corporation | | |
| 13 | All | | | Upper Morrow 6089-6144' | POSTLE UPPER MORROW UNIT (Unit 5784) | | | | |
| 23 | E/2 NE | | | | | | | | |
| 24 | All | | | | | | | | |
| 1 | All | (See 5N-14ECM, 6N-13ECM, 6N-14ECM Texas Co) | Pressure Maintenance (Extend Area of 61971, 65240, 56576, 66982, 68490) | 71395 | 2-6-69 | 29900 | Mobil Oil | | |
| 2 | All | | | | 77445 | 10-15-69 | 31166 | Mobil Oil | |
| 3 | E/2 SE & SE NE | | | | | | | | |
| 10 | E/2 NE | (See 4N-13ECM Texas County) | Maintenance (Extend Area of 61971, 65240, 56576, 66982, 68490) | 153846 | 6-5-79 | 9223 | Mobil Oil Corp. | | |
| 11 | N/2 | | | | | | | | |
| 28 | S/2 & NW | Morrow | WF | 159119 | | | Mobil Oil Corp. | | |
| 32 | E/2 | | | | | | | | |
| 28 | S/2 & NW | Morrow | WF | 153846 | 6-5-79 | 9223 | Mobil Oil Corp. | | |
| 32 | E/2 | | | | | | | | |
| 28 | S/2 & NW | Morrow | WF | 153846 | 6-5-79 | 9223 | Mobil Oil Corp. | | |
| 32 | E/2 | | | | | | | | |

(69)

*See Amended # 355230
Morrow A (6145-6167)
See Amended # 355229
Morrow A (6125-6250)*

Jean Webb #10. E SE NE 23-5N-13ECM 2.3.93

OKLAHOMA SECONDARY RECOVERY

| Ac. No. | Arc Direction | Formation & Depth | Interval | | Order No. | Date | Type Order | APC | It |
|---------|---|------------------------|----------|-----|--------------------|----------|----------------------|------------------------|----|
| | | | Begin | End | | | | | |
| 3 | W/2 & W/2 E/2 & NE NE | Morrow 6159-6196 | | | 195900 CD 36134 | 2-8-73 | Pressure Maintenance | Mobil Oil Corp. | |
| 4 | A11 | | | | | | | | |
| 5 | A11 | | | | | | | | |
| 8 | NE | | | | | | | | |
| 9 | A11 | | | | | | | | |
| 10 | W/2 & W/2 E/2 & E/2 SE | | | | | | | | |
| 11 | SW | | | | | | | | |
| 14 | S/2 SW | | | | | | | | |
| 15 | W/2 & W/2 NE | | | | | | | | |
| 16 | A11 | | | | | | | | |
| 17 | SE | | | | | | | | |
| 19 | E/2 SE & SE NE | | | | | | | | |
| 20 | A11 | | | | | | | | |
| 21 | A11 | | | | | | | | |
| 22 | A11 | | | | | | | | |
| 23 | W/2 | | | | | | | | |
| 27 | N/2 NW & W/2 NE | | | | | | | | |
| 29 | N/2 NW & NW NE | | | | | | | | |
| | (See 6N-13ECM) | | | | | | | | |
| 17 | S/2 S/2 | Upper Morrow. A-2 Sand | | | 115832 42079 | 10-13-75 | | Cities Service Oil Co. | |
| 20 | A11 | | | | | | | | |
| 29 | N/2 & N/2 S/2 | | | | | | | | |
| 19 | SE & NE and lying SE of a diagonal line drawn from the center to the NE corner of the Section | | | | | | | | |
| 30 | NE | | | | | | | | |
| 24 | NW SE | Morrow "A" 6166'-6174' | | | 1207916 | 2-2-82 | WF | Mobil Oil Corporation | |
| | Hough Morrow "A" Unit #3 | | | | | | | | |
| 22 | C NW SE | Morrow "A" 6255-6278 | | | 253294 | 6-2-84 | | Mobil Oil Corp. | |
| 23 | C SW NW | Morrow "A" 6157-6163 | | | 253293 | 6-2-84 | | Mobil Oil Corp. | |

well #40-1 down, 218.93 (rotate)

well #12-3 CSE NE terminated 1-28-93

HOVEY MORROW UNIT

POSTLE MORROW L-3 UNIT

Order Types: 15A - Waterflood 15D - Increased Allowable
 15B - Gas Injection 15E - Extensions
 15C - Other

Twp - 5N Rge - 13 Ecm Texas COUNTY

| Sec. | Area and/or Well Description | Formation and Depth | Type Project | Order No. | Date | Application No. | Applicant |
|------|------------------------------|---|---------------------|-----------------|---------------------|-----------------|-----------------------|
| 12 | NW NE NE SW | Morrow "A" 6068-6074 | | 257680 | 4-18-84 | 14849 | Mobil Oil Corp. |
| 13 | C SE NW | Morrow "A" 6168-6178 | | 257681 | 4-18-84 | 14850 | " " |
| 1 | C NE | Morrow "A": 6134-6141 | 11-30-94 | 257682 | 4-18-84 | 14853 | " " |
| 29 | NW NW | Alco 1200-1500 | | 55217 | 5-18-64 | 2910 | Cities Serv. Oil Co. |
| 20 | SW SW | 11 1200-1500 | | 57110 | 12-14-64 | 3037 | Cities Serv. Oil Co. |
| 12 | W/2 NW | Morrow "A" 6120-6150 | | 75159 | 6-30-69 | 4133 | Mobil Oil Corp. |
| 12 | NE NW | Housh morrow "A" unit # 25 5950-6140 " " " " 6104-6141 | | 397542 75160 | 11-30-95 6-30-69 | 4134 | Mobil Oil Corp. |
| 19 | SE SW | Kover Morrow or Kover Sand 6878-6384 | | 188530 | 2-10-77 | 49095 | Cities Serv. Oil Co. |
| 20 | SW | " " " | | | | | " " |
| 29 | NW | " " " | Kover Morrow Sand | | | | " " |
| 30 | W/2 | " " " | Morrow & Kover Sand | | | | " " |
| 31 | N/2 NW/4 | " " " | | | | | " " |
| 36 | NW NW | Morrow 6100'-6350' | WF | 295879 | 4-8-86 | 17406 | Mobil Oil Corporation |
| 25 | SE SW | Morrow 6140'-6350' | WF | 295880 | 4-8-86 | 17407 | Mobil Oil Corporation |
| 26 | SE SE | Morrow 6124'-6248' | WF | 295876 | 4-8-86 | 17403 | Mobil Oil Corp. |
| 35 | SE NE | Morrow 6072'-6202' | WF | 295877 | 4-8-86 | 17404 | Mobil Oil Corp. |
| 36 | NW SE | Morrow 6122'-6258' | WF | 295878 | 4-8-86 | 17405 | Mobil Oil Corp. |
| 36 | NW SW | Morrow 6067'-6350' | WF | 295881 | 4-8-86 | 17408 | Mobil Oil Corp. |

Twp - 5N
Range - 13E
County

OKLAHOMA SECONDARY RECOVERY

| Sec. | Area and/or Well Description | Formation and Depth | Type of Project | Order No. | Date | Application No. | Applicant |
|------|---------------------------------|-------------------------|---------------------|-----------|---------|-----------------|------------------|
| 26 | SWSSE, W.H.M.U. #75 | Nowata 6085-6160 | W/F | 310625 | 4-2-87 | 16482 | Mobile Oil Corp. |
| 36 | SE NW, " " #67 | " 6086-6110 | W/F | 310626 | " | 16481 | " " " |
| 35 | SE SW, " " #29 | " 6122-6242 | " | 310628 | " | 16833 | " " " |
| 34 | CSESE, " " #28 | " 6154-6268 | " | 310629 | " | 16834 | " " " |
| 35 | NWSW, " " #23 | " 6120-6235 | " | 310630 | " | 16835 | " " " |
| 35 | SE NW, " " #18 | " 6102-6234 | " | 310631 | " | 16836 | " " " |
| 35 | NWNW, " " #13 | " 6136-6272 | " | 310632 | " | 16837 | " " " |
| 26 | SESW, " " #7 | " 6084-6226 | " | 310634 | " | 16861 | " " " |
| 35 | NWNE, " " #12 | " 6096-6240 | " | 310633 | " | 16838 | " " " |
| 12 | C SWSSE, Houghton Nowata #48 | Nowata 6060-6150 | W/F | 339336 | 6-9-89 | 20824 | Mobile Oil Corp. |
| 13 | CSESE, " " #13 | Nowata 6100-6300 | W/F | 339337 | " | 20825 | " " " |
| 12 | C SWSSE, Houghton Nowata #48 | Prime Br. (Ord. #35736) | | 339654 | 6-22-89 | 20824 | Mobile Oil Corp. |
| 26 | SE NWSW, W. Houghton Nowata #98 | Nowata 6080-6250 | W/F | 346393 | 4-11-90 | 21806 | Mobile Oil Corp. |
| 26 | CSE SW, W.H.M.U. #7 | Nowata 6050-6250 | W/F | 353532 | 1-23-91 | 22628 | Mobile Oil Corp. |
| | POSTICE UPPER MOLESDEN UNIT #2 | Nowata 6126-6124 | UNIT | 367510 | 8-7-92 | | Mobile Oil Corp. |
| | | Test: 3-1-91 | Return & production | | | | |

SECONDARY RECOVERY

WELL RECORD

| Sec. | Well Description | Formation & Depths | Order No. | Date | Application No. | Applicant |
|------|--|---------------------------|----------------------------|----------|-----------------|-----------------|
| 110 | H M U# #22-1 C-MU# SE | Morrow 60100-60200 | 354245 | 7-12-91 | 22718 | Mobil Oil Corp. |
| 21 | H M U# #32-1 C-MU# NE | " 11 6075-60200 | 354246 | " | 22720 | " " " " |
| 13 | HMAU#13 CSE SE | Morrow 6000-60200 | 355122 | 3-27-91 | 22808 | Mobil Oil Corp. |
| 33 | W.N.M.C. #26 CSE SE | Morrow 60100-60200 | 358129 | 6-26-91 | 23072 | Mobil Oil Corp. |
| 15 | H.M.C. #4-3 C.M.E.S.U. | Morrow 60150-60200 | 358130 | 6-26-91 | 23111 | Mobil Oil Corp. |
| 1 | PUMU#3-4 STONE NE | Morrow 60100-60200 | 363638 | 3-2-92 | 23729 | Mobil Oil Corp. |
| 33 | W.H.M.U.#105 NE NE SE | Morrow 60500-60200 | 363709 | " | 23599 | " " " " |
| 4 | NW, SE POSTLE UPPER MORROW UNIT | Morrow 6100-60200 | 390836 | 12-14-94 | PD940001121 | Mobil Oil Corp. |
| 2 | S/2 SE SW #7-5 POSTLE UPPER MORROW UNIT | Upper Morrow 6000-6300 | 391642 | 4-21-95 | 950000194 | " " " " |
| 1 | N/2 NW #2-6 | " " 6000-6300 | 391641 | 4-21-95 | 950000156 | " " " " |
| 1 | PUMU # 4-10 NE SW NW SW | " " 6075-6160 | 395723 | 9-21-95 | 950000492 | " " " " |
| 1 | PUMU # 2-3 CSE NE | 60114/4 Morrow 5870-6140 | 397129 397130 397131 | 11-14-95 | 950000677 | " " " " |
| 12 | PUMU # 8-5 CSE SW | Morrow "A" Sand 6050-6100 | 397124 | 11-14-95 | 950000609 | " " " " |
| 2 | PUMU # 5-1 C NW SE | Upper Morrow 6000-6150 | 114464 | | | |

Twp- 5 N Range- 13 E C M
 Sec- 21
 County
 Date

SECONDARY RECOVERY

WELL RECORD

| Sec. | Well Description | Formation & Depths | Order No. | Date | Application No. | Applicant |
|------|--|-------------------------------------|-----------|---------|-----------------|----------------------|
| 22 | Honey Meadow #352 CSE NW P.U. M.U. # 4-4 | Menom 6100-6200 Plugged 11-28-91 | 340593 | 8-2-89 | 20830 | Med Oil Corp |
| 28 | W. Hough Meadows #85 CSE SE " " # 63 | Menom 6100-6200 | 347898 | 6-14-90 | 21973 | Med Oil Corp. |
| 32 | CSE NE W. H. M. U. # 86 | " 6070-6200 | 347899 | " | 21974 | " |
| 34 | C SW NW PUM # 19-2 | Menom 6100-6200 | 353803 | 1-30-91 | 22675 | Med Oil Corp. |
| 32 | C SW SW W. H. M. U. # 87 | Menom 6125-6240 | 354244 | 2-12-91 | 22715 | Med Oil Corp |
| 33 | C NE NE W. H. M. U. # 99 | Menom 6100-6210 | 361837 | 12-6-91 | 23540 | Med Oil Corp & Bond. |
| 33 | W. H. M. U. # 52 SW NW | Menom 6100-6210 | 364111 | 3-19-92 | 23678 | Med Oil Corp. |
| 12 | Hugh Meadows # 39 SW NW NE | " 6156-6185 | 367933 | 8/4-192 | 24188 | " |
| 10 | Haley Morrow W. # 12-1 SE NW | " 6136-6165 | 367509 | 8/7/92 | 24187 | " |
| 1 | Postle Upper Meadows #22 C NE NE | Menom 6126-6175 | 367510 | | 24189 | Med Oil Corp |
| 9 | H. M. U. # 14-1 E. H. M. U. # 1-1 | Upper Menom 6100-6400 | 383383 | 5-11-94 | 94000113 | Med Oil Corp. |
| 4 | CSE NW PUM # 4-1 | " 205m-395 Menom 6100-6500 | 383388 | " | 94000446 | " |
| 1 | PUM # 4-9 NW NE SW | " 6100-6200 | 383384 | " | 94000464 | " |
| 9 | H. M. U. # 11-2 C NW NW | Upper Menom 6100-6200 | 383747 | 5-3-94 | 94000445 | Med Oil Corp. |
| 24 | H. M. U. # 8 NW NE | Menom 6162-6180 | 392966 | 6-8-95 | 95000265 | Med Oil Corp. |
| 24 | H. M. U. # 56 NE SW SE NW | Menom 6100-6300 | 392962 | 6-8-95 | 95000252 | Med Oil Corp. |

Range- 1830N
Twp- 5N
County
Page

Med Oil Corp

OKLAHOMA SECONDARY RECOVERY

| Sec. | Area and/or Well Description | Formation & Depth | Type Project | Order No. | Date | Application No. | Applicant |
|---|---------------------------------|------------------------------------|-------------------------------------|-------------------|--------------------|------------------|----------------------------|
| 7 | W/2 | Morrow "A" 6162-6206' | | 167195 | 10-11-67 | 27638 | Mobil Oil Corporation |
| 18 | W/2 & W/2 SE | | HOUGH MORROW | | | | |
| 19 | W/2 | | | | | | |
| (See 5N-13ECM Texas Co) | | | | | | | |
| 5 | NW & N/2 SW & SW SW | Upper Morrow 6089-6144' | | 167934 | 1-9-68 | 28040 | Mobil Oil Corporation |
| 6 | All | Upper Morrow 6089-6144' | POSTLE UPPER MORROW UNIT | | | | (Unit 5784) |
| (See 5N-13ECM, 6N-13ECM, 6N-14ECM Texas Co) | | | | | | | |
| 7 | Hough Morrow "A" Unit #35 SW SE | Morrow "A" Sand 6153'-6174' | WF | 213150 | 4-13-82 | 213150 | Mobil Oil Corporation |
| 31 | W. Hough Morrow Unit | | | 243387 | 8-12-83 | 106851 | Mobil Oil Corp. |
| 6 | e se NW, P.U.M. 4 #1-4 | Morrow 6085-6160 | WF | 352381 | 12-7-90 | 22524 | Mobil Oil Corp. |
| 18 | e NW SW; Morrow Unit | Morrow 6100-6220 | WF | 355332 | 3-19-91 | 22734 | Mobil Oil Corp. |
| 6 | e SW SE, P.U.M. 4 #15-2 | Morrow 6075-6225 | WF | 357877 | 6-18-91 | 23018 | Mobil Oil Corp. |
| 5 | e NW NW; P.U.M. 4 #16-4 | Agallala 530 - Morrow 6100 | | 371423 | 1-26-93 | 24713 | Mobil Oil Corp. |
| 7 | e SW SW Hough Morrow "A" #2 | Morrow 6132 - 6165' | | 392965 | 6-8-95 | 95000355 | Mobil Oil Corp. |
| 19 | e NW NW Hough Morrow "A" #6 | Morrow 6170 - 6170' | | 403585 | 7-9-66 | 96000489 | " |
| | | | | 353160 | | | " |

(68)

(W) Well Description WF-Water Flood GI-Gas Injection TP-Thermal Process TEXAS COUNTY

Twp- 5N Rge- 14ECM Page 1



OKLAHOMA SECTION RY RECOVERY

| Occ. | Description | Formation & Depth | Interval | | Order No. | Date | Type Order | Applicant |
|------|--|---|---------------------------|---------|--|---------|------------|-----------------------------|
| | | | Begin | End | | | | |
| 25 | S/2 & S/2 N/2 & NE NW & NW NE | Lower Purdy | | | 195716 CD 36107 | 1-30-73 | 16 WF | Anadarko Production Co. |
| 26 | SE & E/2 SW & SW SW | CARTHAGE III UNIT WATER SHUTTING CONDUITS ARAW 7/29/82 500 BU PD ON U/ACUBM Morrow #4-1 PE A 10/22/92 Plugged 12/7/94 Plugged 6/19/90 X2-4 PE A 6/25/90 X5-3 1/8/91 | | | (Corrects Order 95486) a.d.c. 95487 | | | |
| 35 | N/2 & NE SE | | | | | | | |
| 36 | All (See 6N-11 ECM) | | | | | | | |
| 13 | All | | | | 178673 CD 31548 | 1-14-70 | | Texaco, Inc. |
| 14 | All | | | | | | | |
| 15 | NE | | | | | | | |
| 24 | NE & N/2 NW | | | | | | | |
| 35 | Carthage Unit III #6-5 C NE NW | Lower Purdy Sand (4488'-4548') | PD 9586 | | 185551 | 3-10-81 | WF | Anadarko Production Company |
| 25 | Carthage Unit III #5-1 C SW SE | Lower Purdy Sand (4585'-4594') | PD 10152 | | 190940 | 5-26-81 | WF | Anadarko Production Company |
| 13 | Carthage NE Morrow "A" Tr. 5 #3 C SE SW | Morrow A Sand 4346'-4366' | Plugged 5079 | 11-5-91 | 217231 | 5-28-82 | WF | Texaco Inc. |
| 15 | Carthage NE Morrow A Tr. C NW NE | Morrow A Sand 4331'-4339' | Plugged 12/25/90 5082 | | 217232 | 5-28-82 | WF | Texaco Inc. |
| 24 | Carthage NE Morrow A Tr. C NE NE | Morrow A Sand 4417'-4448' | 5083 | | 217233 | 5-28-82 | WF | Texaco Inc. |
| 15 | C.N.E.M.A. Tract 3-2 C NE4 NE4 | 4670 Morrow Sand | | | 225700 | 10-5-82 | | APCON CORP. 395 Texaco |
| 13 | 14-15-24 Carthage N-E, Morrow Sand | | CD 109929 TERTIARY OIL | | 210022 | 6-30-83 | | Texaco Inc. |

Order Types: 15A - Waterflood
 15B - Gas Injection
 15C - Other
 15D - Increased Allowable
 15E - Extensions
 16 - Utilization

Texas COUNTY
 Twp - 6N Rge - 10 ECM
 Page

OKLAHOMA 5

JARY RECOVERY

| Sec. | Area and/or Well Description | Formation and Depth | Type Project | Order No. | Date | Applica-tion No. | Applicant |
|------|--|------------------------------|---------------|-----------------------------|--------------------|------------------|-------------------------|
| 36 | C NE NW <i>Cathage III 72</i> | Lower Purdy 4578-4594 | | 244919 | 9-14-83 | 13550 | Anadarko Prod. Co. |
| 25 | C SW SW | Morrow sand 4526-4566 | | 244918 | 9-14-83 | 13549 | " " " |
| 31 | C SW NW | L. Rudy | | 169912 | | | Anadarko Petr. Corp. |
| 15 | NW NE C.N.E. M.A.#3-4 | Exception (217232) | WF | 290925 290922 | 12-30-85 | 16935 | Texasco, Inc |
| 13 | SE SW " " #5-3 | " (217231) | WF | 290920 | " " | 16933 | " " |
| 15 | NE NE " " #3-2 | " (225700) | WF | 290921 | " " | 16934 | " " |
| 24 | NE NE " " #8-3 | " (217233) | WF | 290919 | " " | 16932 | " " |
| 13 | NW SW, C.N.E. M.A. #5-4 <i>ST - produced</i> <i>Perm. 3.10-90</i> | Morrow #4331-4356 | WF | 359846 | 6-30-87 | 22869 | Texasco, Inc |
| 13 | C NW SW SW; CNE M #5-7 | Morrow #4353 4397 | WF | 350968 | 10-15-90 | 22270 | Texasco, Inc |
| 24 | CNW NE; CNE M #8-1 | Morrow #4420 4480 | WF | 364257 | 3-25-92 | 23836 | Texasco E + P, Inc. |
| 13 | S10 SW SE; CNE M #7-3 | Morrow-A 4382-4404 | WF | 364268 | 11 | 23837 | " " " |

Twp-1, 11
County
Rge- 10E, 11M
Date

OKLAHOMA SECTION RY RECOVERY

| Sec. | Description | Formation & Depth | Interval | | Order No. | Date | Type Order | Applicant |
|------|--|--|----------|-----|--|---------|------------|---|
| | | | Begin | End | | | | |
| 31 | S/2 & S/2 N/2 & NW NW (See 6N-10 ECM) | Lower Purdy CARTHAGE III un. | | | 95716 CD 36107 (corrects Order 95486) <i>all</i> | 1-30-73 | 16 WF | Anadarko Production Co. |
| 19 | S/2 & S/2 N/2 | Morrow "D" Sand | | | 95885 CD 36060 | 2-7-73 | 16 WF | Cities Service Oil Co. |
| 20 | W/2 SW & SE SW | | | | 46609 - Logging 103511 - Gas testing from testing in ground for impedence. | | | |
| 28 | SW NW & SW | | | | | | | |
| 29 | A11 | | | | | | | |
| 30 | N/2 & SE & 20 Acres in SW/4 (See order) | #80413 Plugged 9-94 #90502 " | | | | | | |
| 32 | NE & NW SE & E/2 NW & a 5-acre tract NW/4 (see Order) | *1801W P&A 3/22/81PSE NW CARTHAGE II UNIT | | | | | | |
| 33 | W/2 NW | | | | | | | |
| 18 | SW | Morrow | | | CD 32592 81371 | 7-30-70 | 16 WF | <i>Enham Royalty LTD 188</i> Cox Oil & Gas Inc. E. L. Cox |
| 19 | N/2 & N/2 SE | | | | | | | |
| 20 | A11 | CARTHAGE I UNIT | | | | | | |
| 21 | S/2 & S/2 S/2 NW | | | | | | | |
| 28 | NW NE & NE NW | | | | | | | |
| 13 | NW PLATS 9-4 E C E SE | SPECIAL ALLOWABLE FOR CARTHAGE I UNIT | | | 119956 CD43500 - 2000/bpd | 3-17-76 | 16 WF | Edwin L. Cox |
| 13 | Morrow 4796-4835 | | | | 261046 | 6-18-84 | 15261 | Edwin L. Cox & Berry R. Cox |
| 13 | 50' W of C NE NE NE | N. W. Plats #9-7 | | | 286148 | | PD16681 | " " " " |

Order Types: 15A - Waterflood 15D - Increased Allowable
 15B - Gas Injection 15E - Extensions
 15C - Other 16 - Utilization

Texas COUNTY

Twp - 6N Rge - 11 ECM

OKLAHOMA SECONDARY RECOVERY

| Sec. | Area and/or Well Description | Formation & Depth | Type Project | Order No. | Date | Applic- tion No. | Applicant |
|------|--|---|--------------|-----------|----------|------------------|---|
| 12 | All | Morrow "A" Sand | WF | 159735 | 11-5-79 | 61886 | Edwin L. Cox Cox Oil & Gas Inc. Graham Royalty Ltd 1-88 |
| 13 | All | (Includes the following in Morton County, Kansas) | | | | | |
| 14 | All | S/2 of Sec. 18 and all of S/2 SW and S/2 SE of Sec. 13 and all of Sec. 14 | | | | | |
| 24 | N/2 & NW SE | NORTHWEST FLATS UNIT | | | | | |
| 36 | C NE SW | L. Purdy | | 169411 | | | Anadarko Petr. Corp. |
| 19 | Carthage II Unit No. 601W C NE SE | Morrow D Sand (4588'-4598') | WF | 183812 | 2-9-81 | PD 6896 | Cities Service Company |
| 30 | Carthage II Unit NO. 804W 660'SNL & 660'EML | Morrow Sand (4578'-4584') | WF | 184158 | 2-17-81 | PD 6895 | Cities Service Company |
| 29 | Carthage II Unit No. 1501W C SW NW | Morrow Sand (4582'-4590') | WF | 184154 | 2-17-81 | PD 6898 | Cities Service Company |
| 29 | Carthage II No. 1501W C NE NW | Morrow D Sand (4653'-4659') | WF | 1187667 | 4-3-81 | PD 6884 | Cities Service Company |
| 28 | Carthage II Unit 1702W SW/4 SW/4 | Morrow "D" Sd. 8-31-92 4668'-4690' | WF | 209548 | 3-3-82 | 6893 | Cities Service Company |
| 20 | SE SE NW | 4492 Morrow | | 230051 | 12-20-82 | 12134 | Edwin L. Cox & Berry R. Cox |
| 21 | NE SW | 4578 Morrow | | 1230057 | 12-20-82 | 12439 | Edwin L. Cox & Berry R. Cox |
| 19 | SE NW | 4539 Morrow | | 1230056 | 12-20-82 | 12438 | Edwin L. Cox & Berry R. Cox |
| 20 | 1220 N of C SW | 4502 Morrow | | 1230055 | 12-20-82 | 12437 | Edwin L. Cox & Berry R. Cox |
| 20 | 1220 N C SE | 4520 Morrow | | 1230054 | 12-20-82 | 12436 | Edwin L. Cox & Berry R. Cox |
| 20 | 270 S C SE | 4541 Morrow | | 1230053 | 12-20-82 | 12435 | Edwin L. Cox & Berry R. Cox |
| 31 | C NE SW | Lower Purdy 4562-4570 | | 244920 | 9-14-83 | 13551 | Anadarko Prod. Co. |
| 32 | C E SW NE | Morrow D 4659-4687 | | 250401 | 12-20-83 | 14181 | Cities Service Oil&Gas Corp. |
| 29 | W NW NE | Morrow D 4638-4660 | | 250402 | 12-20-83 | 14182 | " " " " |
| 29 | C E NW SW | Morrow D 4605-4635 | | 250400 | 12-2083 | 14180 | " " " " |
| 14 | C SE NE | Morrow 4537-4574 | | 250501 | 12-21-83 | 14236 | Edwin L. Cox & Berry R. Cox |
| 14 | C NE NE | Morrow 4538-4558 | | 250502 | 12-21-83 | 14237 | " " " " |

(W) Well Description WF-Water Flood GI-Gas Injection TP-Thermal Process



TEXAS COUNTY
Twp- 6N Rge- 11E Sec- 11E

SECONDARY RECOVERY

WELL RECORD

| Sec | Well Description | Formation & Depths | Order No. | Date | Application No. | Applic. Unit |
|-----|--|----------------------------|-----------|---------|-----------------|--|
| 13 | N.W. Flacko #9-9 W/2 W/2 W/2 SE NW Flacko #8-9 | Mossburn 47201-47222 | 300736 | 7-18-82 | 17796 | Graham Royalty Ltd. 1-88 Cordell (for the same) |
| 13 | C.O.U. (N.W.) NW Flacko #13-1 | Mossburn 4542-4656 | 300961 | 7-25-82 | 17759 | Cordell (for the same) |
| 24 | NdC O.U.D.R. Cathage II Unit # 704U | Mossburn 4816-4822 | 300960 | 7-25-82 | 17758 | " " " " |
| 20 | SLD Cathage I Unit # 9 | Mossburn S2 Zone 4598-4630 | 301201 | 7-30-86 | 17446 | Citic Service Oil & Gas |
| 19 | 2 DE DE DE NW Flacko U. # 5-9-10 | Mossburn 4438-4466 | 339647 | 6-26-89 | 20638 | Sto. hampton Royalty |
| 13 | 500 S.U.D.M. DE NW Flacko U. # 5-9-10 | Mossburn 4664-4694 | 347744 | 2-6-90 | 21418 | Sto. hampton Royalty |
| 13 | NW Flacko U. # 5-9-10 NW Flacko U. # 5-8 | Mossburn 4750-4850 | 346354 | 4-10-90 | 21732 | Sto. hampton Royalty |
| 13 | NW Flacko U. # 5-8 Cathage I Unit # 8-8 | Mossburn 4674-4688 | 348746 | 7-18-90 | 22049 | Sto. hampton Royalty |
| 20 | Cathage I Unit # 8-8 NW Flacko #9-11 | Mossburn A 4450-4472 | 354694 | 2-28-91 | 22525 | Sto. hampton Royalty |
| 13 | C.S. DE SE NW Flacko #9-11 | Mossburn 4806-4830 | 356808 | 5-10-91 | 22981 | Sto. hampton Royalty |
| 19 | Cathage I Unit C.S. DE SE | Mossburn A 4475-4491 | 368127 | 9-8-92 | 23900 | Sto. hampton Royalty |
| 19 | Cathage I Unit NE NE | | 339647 | 9/1/93 | | Rosewood Resources, Inc. |
| 21 | Cathage I Unit NE SE SE NW Flats Unit # 8-9 | | 81371 | 9/1/93 | | Rosewood Resources, Inc. Louis Deery's Natural Gas Corp. |
| 13 | C, W/3' | Mossburn "A" 4622-4635 | 395192 | 9-1-95 | 95000 450 | |

Twp- 6N

Range- 112CM

Lexa

County

Page

OKLAHOMA SECONDARY RECOVERY

| Sec. | Area and/or Well Description | Formation & Depth | Type Project | Order No. | Date | Application No. | Applicant |
|------|--|------------------------------------|--------------|-------------------------------------|----------|-----------------|-----------------------------|
| 36 | S/2 & NE & S/2 NW (See 5N-13ECM, 5N-14ECM, 6N-14ECM, Texas) | Upr Morrow 6089-6144' | | 67934 | 1-9-68 | 28040 | Mobil Oil Corp |
| 19 | SE | Morrow "G" | WF | POSTLE UPPER MORROW UNIT 1-21-75 | 40268 | 40268 | Anadarko Production Co. |
| 20 | S/2 & NW & S/2 NE | 6418 - 6504 | | 110388 | 1-21-75 | 40268 | Anadarko Production Co. |
| 21 | SW | | | | | | |
| 27 | SW | | | | | | |
| 28 | A11 | | | | | | |
| 29 | A11 | | | | | | |
| 33 | N/2 & SE | | | | | | |
| 34 | W/2 | | | | | | |
| | SAME AREA AS ABOVE CREATION OF THE EAST | Morrow G POSTLE MORROW "G" UNIT | | 110388 11037 | 1-21-75 | 40267 | Anadarko Production Co. |
| 34 | a11 (See 5N-13ECM) | 6159-6196 Hovey Morrow Unit | PM | 195900 | 2-8-73 | 36134 | Mobil Oil Corp. |
| 20 | East Postle Morrow "G" No. 4-4 1980'FWL, 660'FSL | Morrow "G" Sand (6434'-6488') | WF | 194503 | 8-21-81 | PD 10806 | Anadarko Production Co. |
| 28 | E. Postle Morrow "G" Unit # 7-4 C SW NW | Morrow "G" Sand 6408'-6454' | WF | 202359 | 11-12-81 | 11201 | Anadarko Production Company |
| 29 | E. Postle Morrow "G" #8-6 NE NE | Morrow "G" Sand 6450'-6468' | WF | 201901 | 11-5-81 | 11176 | Anadarko Production Company |
| 28 | C NW SE | Morrow G 6392-6500 | WF | 271199 | 1-8-85 | 16025 | Anadarko Prod. Co. |
| 20 | C NW SW | TERM. 5-5-92 Morrow G 6398-6455 | WF | 271200 | 1-8-85 | 16026 | " |
| 21 | C SW SW | MORROW G | | 333012 | | | ANADARKO PETROL. CORP. |
| 29 | C SE NW | MORROW G | | 231646 | | | ANADARKO PETROL. CORP. |
| 28 | C NW SE | MORROW G | | 231645 | | | ANADARKO PETROL. CORP. |
| 29 | C NW SE | MORROW G | | 231644 | | | ANADARKO PETROL. CORP. |

(68)

(W) Well Description WF-Water Flood GI-Gas Injection TP-Thermal Process



TEXAS COUNTY
Twp- 6N Rge- 13 ECM

OKLAHOMA SECONDARY RECOVERY

| Sec. | Area and/or Well Description | Formation & Depth | Type Project | Order No. | Date | Applica- tion No. | Applicant |
|----------|---|---|--------------|-----------------|--------|----------------------|-------------------------------|
| 31 32 | S/2 & NW & S/2 NE SW (See 5N-13ECM, 5N-14ECM, 6N-13ECM, Texas) | Upr Morrow 6089-6144' <i>Panna 12-1 plugged 9-11-89 Panna 13-1 plugged 9-17-89</i> | | 67934 POSTLE | 1-9-68 | 28040 | Mobil Oil Corp (Unit 5784) |

(68)

(W) Well Description

WF-Water Flood

G1-Gas Injection

TP-Thermal Process



TEXAS

COUNTY

Twp - 6N

Rge - 14ECM

