#### STATE OF NEW MEXICO



## ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

**OIL CONSERVATION DIVISION** 

POST OFFICE BOX 2088

STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504

(505) 827-5800

January 5, 1993

BRUCE KING GOVERNOR

ANITA LOCKWOOD CABINET SECRETARY

> Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210

Attention: Janet Richardson

Administrative Order DD-73(NSBHL)

Dear Ms. Richardson:

Under the provisions of the Division's General Rules and Regulations concerning directional drilling practices [111(c), (d), (e)] and unorthodox gas well locations (104.F) and the Special Rules and Regulations for Drilling in the Potash Area, pursuant to Division Order No. R-111-P, Yates Petroleum Corporation made application to the New Mexico Oil Conservation Division on November 25, 1992, for authorization to directionally drill its proposed Amaranth "AMG" Federal Com Well No. 1, Eddy County, New Mexico.

The Division Director Finds That:

- The application has been duly filed under the provisions of Rule 111(d) and
   (e) and 104.F(3) of the Division General Rules and Regulations;
- (2) Satisfactory information has been provided that all offset oil and gas operators and each potash operator holding potash leases within a radius of one mile of the proposed well have been duly notified;
- (3) The applicant has presented satisfactory evidence that all requirements prescribed in General Rule 111 either have been or will be met; and
- (4) No objections have been received from offset oil and gas operators within the waiting period prescribed by said Rule 111.F, 104.F(3), and/or R-111-P, Rule G(3).

# **IT IS THEREFORE ORDERED THAT:**

(1) The applicant, Yates Petroleum Corporation is hereby authorized to directionally drill its Amaranth "AMG" Federal Com Well No. 1, the surface location of which shall be 1310 feet from the North line and 2630 feet from the East line (Unit B) of

Section 12, Township 20 South, Range 30 East, NMPM, Eddy County, New Mexico by kicking off from the vertical and drilling in such a manner as to bottom in the Morrow formation within 50 feet of a point 2449 feet from the North line and 1512 feet from the West line (Unit F) of Section 12, being an unorthodox gas well location for said formation.

<u>PROVIDED HOWEVER THAT</u> prior to commencing directional drilling operations into said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division

<u>PROVIDED HOWEVER THAT</u> during or upon completion of directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

(2) The applicant shall notify the supervisor of the Artesia district office of the Division of the date and time said wellbore surveys are to conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore surveys to the Santa Fe and Artesia offices of the Division upon completion.

(3) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

(4) The W/2 of said Section 12 shall be dedicated to the well forming a standard 320-acre gas spacing and proration unit for the Morrow formation.

(5) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

WILLIAM J. LEMAY

WILLIAM J. LEMA Director

SEAL

cc: Oil Conservation Division - Artesia U.S. BLM - Carlsbad File Case No: 10643 William F. Carr - Santa Fe

# MEMO TO FILE DD-73 (NSBHL)

Date: 4-23-93

Bill Carr, Attorney for Yates Petroleum Corp. called this date to advise that the subject well was being drilled at this time. Information indicated that the proposed BHL should be changed from the one originally approved. The new BHL will also be non-standard in the Morrow formation but will only be closer to Yates' acreage.

They were asking for verbal approval to change the BHL. Given that the rig was on location drilling and the fact that they were offsetting themselves, I gave them verbal approval to continue drilling.

L. O. VAN RYAN

dr/

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# STATE OF NEW MEXICO

OIL CONSERVATION DIVISION

BRUCE KING

ANITA LOCKWOOD CABINET SECRETARY November 22, 1992

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

Enron Oil and Gas Company P.O. Box 2267 Midland, TX 79702

Yates Petrolum Corporation 105 South Fourth Street Altesia, NM 88210

Attention: Betty-Gildon Janet Richardson

SH

Administrative Order DD-E Administrative Order DD-E . (NSBHL) Dear Ms. Gilden: Dichon Scon

Under the provisions of the Division's General Rules and Regulations concerning directional drilling practices [111(c), (d), (e)] and the Special Rules and Regulations for Drilling in the Potash Area, pursuant to Division Order No. R-111-P, Excen Qil and Cas Company made application to the New Mexico Oil Conservation Division on October 27, 1992, for authorization to directionally drill its proposed James Pranch Unit Well No. 18, Eddy County, New Mexico. Amaranth "AM6" Federal Com

The Division Director Finds That:

(R-111, Rule G. 3)).

(5)

and 184. F(3)

- (1) The application has been duly filed under the provisions of Rule 111(d) and (e) of the Division General Rules and Regulations;
- (2) Satisfactory information has been provided that all offset oil and gas operators and each potash operator holding potash leases within a radius of one mile of the proposed well have been duly notified;
- (3) The applicant has presented satisfactory evidence that all requirements prescribed in General Rule 111 will be met; and

Leither have been or

(4) No objections have been received from offset oil and gas operators within the waiting period prescribed by said Rule 111.Fandfor 104. F(3), and 10- R-111-D, Rule 6.(3),

A signed waiver from one potash lessee has been submitted by Western Ag-Minerals

Company/and the other leases have not responded within the required twenty-day period

| JAN FEB  | -                                  | APR  | MAY                          | JUKE                           |                                | AUG                                    | SEPT                            | 120                                | NOV                                    | OEC L                          | PA<br>984 PROD A                       | AGE V<br>CCUM. PROD          |
|--|------------------------------------|--|------------------------------|--------------------------------|--------------------------------|--|---------------------------------|------------------------------------|--|--------------------------------|--|------------------------------|
| NORTHERN NEW MEXICO  |                                    |  |                              |                                |                                |  |                                 |                                    |  |                                |  |                              |
| ALKINLEY COUNTY  | MULATIVE                           | PRODUCT IC   |                              |                                |                                | · • ·                                  |                                 |                                    | 1 - s                                  | ÷.,                            |  |                              |
|  | 55424<br>670<br>2075262            | 53433<br>700<br>1891742  | 57808<br>594<br>2134799      | 54025<br>1913246               | 56621<br>554<br>2055836        | 56926<br>614<br>2074086                | 54797<br>582<br>2003970         | 56204<br>506<br>1915629            | 54967<br>456<br>1874895                | 53007<br>477<br>1764919        | 667934<br>6900<br>23612253             | 23327344                     |
| DIL 212242 203787<br>GAS 1274864 1226254<br>GAT 15349 8998   | 1300756                            | 209494<br>1265002<br>16680   | 239345<br>1378035<br>15233   | 13131652                       | 1377833                        | 268723<br>1417824<br>15525             | 1373047                         | 254087<br>1391802<br>15987         | 1380789<br>1380789                     | 263967<br>1381306<br>12937     | 2866671<br>10077866<br>173538          | 37846805                     |
| SANDOVAL COUNTY<br>OIL 28324 28254<br>GAS 114564 120431  | 32003<br>132348<br>558905          | 30048<br>124104<br>543630  | 34367<br>141630              | 36624<br>137364<br>537119      | 123133<br>13713                | 37775                                  | 51275<br>124844<br>513842       | 52836<br>136556<br>591088          | 56749<br>131098<br>500302              | 54120                          | 477128                                 | 5193838                      |
| SAN JUAN COUNTY<br>OIL 122897 126872<br>GAS 557891 582179<br>WAT 1306354 1147734   | 129655                             | 124515   | 126100                       | 120425                         | 125556<br>596921<br>1400189    | 131703<br>131703<br>1381249            | 120069<br>182274<br>1504006     | 124931                             | 121423<br>1359084<br>1300134           | 130341<br>620437<br>1272682    | 1512387                                | 133263086                    |
|  | 1167304<br>MULATIVE                | IIAI763<br>PRODUCTIO   | 626770<br>1240542            | 1380093<br>ITLES, GAS          |                                | 1381249                                | 1504006                         | 1436913                            | 1300134                                | 1272682                        | 15718983                               |                              |
| MONTHLY, ANNUAL AND CU<br>MCKINLEY COUNTY<br>GAS 3228 1989<br>DIL  | 3797                               | 2796   | . 1452                       | 12040                          | 16122                          | 16578                                  | 13454<br>10<br>30               | 12620                              | 19646                                  | 14634                          | 112164<br>105<br>85                    | 1586070<br>105               |
| HORA COUNTY<br>GAS<br>DIL<br>RIO ARRIBA_COUNTY   | - 1                                |  | e.,                          | · .                            |                                |  |                                 | ,                                  | · '; .                                 |                                |  | 97281                        |
| RID ARRIBA COUNTY<br>GAS 12939477 11659072<br>DIL 61594 53032<br>MAT 16973 14995<br>SANDOVAL COUNTY  | 11852779                           | 10662260   | 10111378<br>39812            | 9171114                        | 8121410                        | 7780958<br>35018                       | 8130190<br>38764                | 12844021                           | 12075190                               | 13504001                       | 128912510<br>594240<br>185061          | *22269791338                 |
|  | 1Ž1242                             | 116235   | 127941                       | .94696                         | 133947                         | 159330                                 | 142065                          | 125112                             | 117366                                 | 124628                         | 1503294                                | 27530651                     |
| MAT 232 276<br>SAN JUAN COUNTY<br>GAS 24200800 23681654<br>GIL 108138 113701   | 273                                | 222<br>19078232<br>93586   | 338<br>19473007              | 300<br>17881191                | 161<br>22636762<br>86869       | 237<br>21900710                        | 236<br>22529591                 | 626<br>27727621<br>121846<br>62128 | 861<br>28549101                        | 770<br>33046348                | 4732<br>282616569<br>1270675<br>604022 | 9307867537<br>48211715       |
| MODILE PH NEW MEY 100 OL   | 50774                              | 49615  | 89678<br>38351<br>459620     | 33558                          | 41884                          | 48663                                  | 89824<br>51580<br>480051        | 62128<br>487958                    | 129789<br>65597<br>492781              | -156712<br>63400<br>501635     |  | 199631073                    |
| NORTHERN NEW MEXICO GA   | 2031429<br>3814601<br>5 PRODUCT    | 10N 101AL<br>417690<br>1970378<br>3633835<br>10N TOTAL<br>29859523<br>144113<br>63411    | 2111020                      | 448538<br>2048873<br>3846410   | 2104446                        | 21490T1<br>4084564                     | 2080747<br>4038042              | 2101595                            | 2071427                                | 3633676                        | 5524120<br>26075207<br>46298758        | · · ·                        |
| GAS 37262865 35464692<br>OIL 169732 166733<br>WAT 62324 68624  | 33889370<br>175801<br>66287        | 298299223<br>144113<br>63411   | 2971 5778<br>129490<br>49838 | 27159849<br>121701<br>44039    | 30908241<br>124994<br>54353    | 29857576<br>125828<br>63816            | 30815300<br>128628<br>73802     | 40709374<br>176434<br>74155        | 40752303<br>185857<br>77904            | *6750271<br>212703<br>85347    | 4131 4453 7<br>1865020<br>793900       | 13566689458                  |
| MONTHLY, ANNUAL AND CU   |                                    | PRODUCT 10   | IN BY POOL                   | S, OIL PO                      | OLS                            | · · .<br>###8682868                    |                                 |                                    |  |                                |  |                              |
| AKAH NEZ DEVONIAN (ABA<br>Dil<br>Alamito Gallup<br>Dil<br>Gas 3140 2866  | 10 38                              | ANDOVAL  | 763                          | 685                            | 695                            | · 645                                  | 684                             | 775                                | 12. e                                  | 219.42<br>2004<br>761          | يندي.<br>120 ه                         | <sup>11</sup> 17199<br>96480 |
| 011 347 318<br>GAS 3140 2866<br>MAT 35 35<br>Alamito Galup 35<br>Oll 84 36   | 7237                               | DOPO<br>1940<br>1940<br>1940<br>197  | -143                         | 685<br>6827<br>130             | 43 92                          | •117                                   | 5809<br>132                     | 6245<br>136                        | -112                                   |                                | 6120<br>61527                          | • '                          |
| GAS<br>WAT 15 15<br>ALAND FARMINGTON   | · 24                               | 15   | 50 -<br>20 -                 | 46                             | -> 25                          | 37                                     | 142<br>20                       | 101<br>                            | 68<br>5                                | 60<br>23                       | 796<br>                                | 16674                        |
| AMARILLO GALLUP  | 53<br>29                           | 23   | 2                            |                                | ; 16<br>. 14                   | 27                                     | · 16 · 30                       | - 30<br>13                         | 16<br>42                               | 30<br>22                       | 369                                    | - 23436<br>51200             |
| ANGELS PEAK GALL UP TAS<br>OIL 835 1168<br>GAS 73690 87907<br>WAT 106 100  | SUCIATEDI<br>1277<br>104240<br>106 | 1201<br>90544<br>95  | 1078<br>91425<br>100         | 962<br>91008<br>103            | 82643<br>100                   | 93344<br>107                           | 956<br>85226<br>105             | 1205<br>85475                      | ************************************** | 1242<br>86858<br>27            | 12798<br>1050672<br>1056               | 826435                       |
| 0112 5 PERS GALL UP 13<br>0115 73330 81067<br>1431 106 100<br>ARMENTA GALLUP<br>011 20235 19860<br>012 20235 19860<br>012 20236 211617<br>01568 21361 35687<br>01571 10458 GALLUP 20   | 20039                              | 18601<br>198959  | 18812<br>192884              | 17615                          | 10837                          | 15124<br>189828<br>328                 | 10230                           | 14000<br>176125<br>291             | 15492<br>175078                        | 13373                          | 200410<br>2333301<br>2734              | 530829                       |
| HAT 103 89<br>BISTI LOWER GALLUP<br>DIL 21645 25428  | •                                  |  | 32                           | 32                             |                                |  |                                 | 291<br>30293<br>37780<br>110748    |  | 489                            | 2734<br>341736<br>1352247              | 35150232                     |
| HATTI LOVER GALLUP<br>GITTI LOVER GALLUP<br>GAT 31011 3500<br>GAT 111887 100074<br>BLACKEVE NESAVERDE<br>OLT 145 100<br>BLACKEVE DAKOTA  | 24582<br>38583<br>114553<br>20     | 24537<br>111174<br>153   | 27959<br>124081<br>340       | 27156<br>117543<br>1838        | 28669<br>40583<br>124309       | 32345<br>38819<br>114983<br>235<br>620 | 30782<br>38182<br>110170<br>536 | 116748<br>208<br>690               | 27885<br>36677<br>101251<br>430        | 33763<br>101474<br>111474      | 1352247<br>3525                        | 36132                        |
| ALT 145 100<br>BLACKEYE DAKOTA<br>GIL<br>GIL<br>ALT 145 100  | 80                                 | - 650  | 980                          | 1050                           |                                | 620                                    | . 820                           | 690                                | _ 450                                  | · • • •                        | 5585                                   | 1258                         |
| GAS 1002 1205  | 20<br>1363<br>50                   | 120<br>1390<br>10  | 407<br>1042<br>20            | 397<br>1269<br>51              | 1215                           | 745<br>6244                            | 736<br>4285<br>50               | 787<br>4694<br>25                  | 507<br>5574<br>190                     | 6090                           | 4999<br>35373<br>618                   | 3902977                      |
| HAT<br>8LGONFIELD FARMINGTON<br>01<br>GAS 210 508  | 156<br>1674                        | 1192   | 130                          | 94<br>862                      | 108                            | 1169                                   | 1026<br>14                      | 119                                | 78<br>1244                             | 92<br>1269                     | 1202<br>12254<br>14                    | 28363                        |
| BLUE MESA MESAVERDE<br>DIL<br>MAT  | 48 <u>2</u>                        | 103  | 529                          | 436<br>14                      | +07                            | 396                                    | 3 75<br>10                      | 255                                | 356<br>12                              | 275<br>10                      | 3614<br>120                            | 12099                        |
| BOULDER MANCOS<br>DIL 138 196<br>GAS 24 22   |                                    | 1609   | 985                          | 642<br>26<br>114               | 954<br>31<br>125               | 902<br>23<br>102                       | 583<br>21<br>105                | 946<br>20<br>102                   | 506<br>29<br>117                       | 141<br>31<br>125               | 7771<br>307<br>1307                    | 1793176                      |
| BOULDER MANGS<br>OIL 138 196<br>GAS 24 22<br>Mat 90<br>Buena Suerte Penn (Abai<br>Oil 9307 9435  | NDONEDT                            | 114  | 110                          | . 114                          | 125                            | 102                                    | 105                             | 102                                |  | 125                            | 1307                                   | 5296                         |
| 011 9307 9435<br>GAS 17197 16975<br>WAT 27721 23106  | 9852<br>16970<br>23611             | 8949<br>16003<br>21815   | 9354<br>16926<br>21594       | 8853<br>15618<br>20982         | 21384                          | 6390<br>14643<br>20334                 | 13738                           | 7376<br>16314                      | 123227                                 | - 14011<br>14061               | 104390<br>196242<br>246827             | 9546151                      |
| CHACO WASH MESAVERDE<br>OIL 1780 1773<br>WAT 755 585<br>Come Daradux (Arantoche)   |                                    |  |                              | <u>739</u>                     |                                | 936<br>368                             | 1150<br>295                     | 1221                               | 1213                                   |                                | 7212                                   | 23280                        |
| BUENA SUERTE PENN (AAA<br>CHA CHA GALLUP<br>9435 1797 16975<br>947 27721 53105<br>CHACO MÁSH MESAVERDE<br>014 1780 1773<br>600000000000000000000000000000000000  | <br>TA4344                         | 10 ARRIBA<br>3279<br>15237<br>197  | 2906                         | 4003                           | 3334                           | _ 6640                                 | 4759                            | 3535                               | . 4261                                 | . 3712                         | 47247                                  | 15527<br>127987              |
| 545 14016 12588<br>MAT 153 144<br>Counselors Gallup-Dako   | 17174<br>17174<br>TA 705           |  |                              | 4003<br>20163<br>255           | 13884                          | 6640<br>19253<br>988                   | 20071<br>20071<br>1019          | 3535<br>18587<br>958               | 4261<br>16656<br>863                   | 16476                          | 47247<br>203132<br>5681                | 2896                         |
| CLERVO GALLUP<br>GIL 182 303   | 70<br>330<br>291                   | \$66<br>101<br>1164  | 106<br>930<br>99             | 117<br>900<br>324              | 930<br>302<br>1036             | 450<br>314                             | 90<br>420<br>261                | 84<br>300<br>285                   | 885<br>1811                            | 450<br>60                      | 952<br>6210<br>2804<br>14333           | 32391                        |
| CUERVO GALLUP-UARO<br>GAS<br>CUERVO ALLUP<br>OLL 32 303<br>CAS 738 1514<br>OCTUERVO MESAVERDE<br>OCTUES CORTAN<br>GAS 110578 124035<br>GAS 110578 124035<br>GAS 110578 124035<br>DEVILS FORK MESAVERDE<br>GAS 35 1164<br>DUFERS PULNT GALLUP DA<br>OLF 33116 4028<br>GAS 357 4700<br>EAGLE MESA ENTRADA<br>OLL 3322 7700<br>EAGLE MESA ENTRADA<br>OLL 3323 29682<br>ESCRITO GALLUP (ASSOCI<br>CAS 31532 29682<br>ESCRITO CAS 5000000000000000000000000000000000000 | 1505                               | 1164<br>82   | 99<br>1059<br>63             | 324<br>1355<br>98              | 1036<br>97                     | 314<br>1136<br>59                      | 261<br>1198<br>70               | 1278                               | 1135<br>83                             | 1215<br>40                     | 14353<br>850                           |                              |
| OIL 24174 26637<br>GAS 110578 124015<br>MAT 78 8   | 24642<br>144003                    | 137115<br>137115   | 131793                       | 165 907<br>165 907             | 37503<br>186704<br>58          | 37786<br>183301<br>55                  | 171595                          | 31039<br>168860<br>66              | 30666<br>161944<br>76                  | 30247<br>178099<br>53          | 375368<br>1893905<br>773               | 3069016                      |
| DEVILS FORK MESAVERDE<br>011   | 266<br>592                         | 866<br>488   | 1035<br>639                  | 958<br>576                     | 329                            | 802<br>474                             | II,                             | 1089<br>548                        | 1213                                   | 1388                           | 11707<br>7003<br>36                    |                              |
| DUFERS PUINT GALLUP DA   | KOTA 3                             | 39115<br>39118   | •******                      | 3<br>3878<br>30 967<br>107     | 42281<br>185                   | 3<br>57795<br>135                      | 3<br>5377]                      | 4739<br>48983                      | د<br>بېټې                              | 2<br>8834<br>86901<br>91       | 36<br>581092<br>1632                   |                              |
| HAT TZ 480<br>EAGLE MESA ENTRADA<br>UIL 19392 4470   | - 156<br>                          | - 142<br>  |                              | 317808                         | 163<br>373300                  | 135<br>3891<br>382900                  | 3678<br>352900                  | 4021<br>402000                     | 3360<br>350400                         | 3054<br>351100                 | 1632<br>47985<br>4433600               |                              |
| ESCRITO GALLUP (ASSOCI.<br>011 5475 5316   | AT 2000 F                          | 10 MARIAA<br>5185<br>3008  | 403800<br>30747              | 317600<br>5777<br>32904<br>217 | 373300<br>7172<br>36341<br>491 | 382900<br>11544<br>38558<br>826        | 352900<br>9837<br>47357<br>331  | 402000<br>9209<br>43528<br>279     | 350400<br>9222<br>44307<br>281         | 351100<br>8311<br>44868<br>289 | 4433600<br>87884<br>440638<br>3763     |                              |
| 447<br>ESCRITO GALLUP (ASSOCI<br>1475  | AT ED 222                          | 3796<br>311000<br>ARRIBA<br>3085<br>3085<br>3085<br>3085<br>3085<br>3085<br>3085<br>3085 | [39<br>1454                  |                                |                                |  |                                 |                                    |  |                                |  |                              |
| 645 2026 4892<br>WAT 37 47<br>Five Lakes Dakuta (ABA   | 50 98<br>NDONED ]                  | 5215   | 1255                         | 1379                           | 「昇降                            | 1303                                   | 1181<br>4613<br>12              | 1201                               | 4358                                   | ¥3 <u>7</u> 3                  | 16150<br>61601<br>272                  | 40847                        |
| OIL<br>FOUR CORNERS PARADOX (<br>OIL<br>FRANSCISCAN LAKE MESAV   | ABANDONE (<br>ERDE                 |  | •                            | _                              |                                | _                                      | ·                               | _                                  | _                                      | _                              | ·                                      | 91945                        |
| 01L<br>FR ANSC ISCAN LAKE MESAV<br>01L 3074 3311<br>GAS 591 3311<br>CAS 591 2405<br>GALLEGOS GALLUP ASSOC<br>01L 2337<br>GAS 4035 5765<br>GAL 4035 5769  | 3370<br>570<br>25499               | 2993<br>560<br>22489   | 3148<br>594<br>24062         | 3023<br>576<br>25408           | 2984<br>554<br>24844           | 2674<br>493<br>19932                   | 2494<br>442<br>23830            | 2367<br>466<br>21950               | 2083<br>456<br>15012                   | 2875<br>474<br>27560           | 34396<br>6329<br>280672                | 443303                       |
| 011 2237 2281<br>GAS 49639 57162<br>MAT 3875 5762  | 61086                              | 53050  | 52397<br>311                 | 63255<br>275                   | \$ <u></u>                     | 53399<br>53324                         | 58135<br>206                    | 26387                              | 589072<br>589072                       | .¥28                           | 707835                                 | 1978541                      |
|  |                                    |  | 341                          |                                | 340                            |  | 2.43                            |                                    |  | -                              |  |                              |

May 21, 1991 14 14 14 Attention: Administrative Order DD-Dear Under the provisions of General Rule 111 (c), (d) and (e), New Mexico Conservation Division made application Oil to the on authorization to directionally drill its proposed for/ County, New Mexico.

The Division Director Finds That:

(3)

The application has been duly filed under the provisions of Rule 111(d) and
 (e) of the Division General Rules and Regulations;

(2) Satisfactory information has been provided that all offset operators have been duly notified;

The applicant has presented satisfactory evidence that all requirements prescribed in General Rule 111 will be met; and

(4) No objections have been received within the waiting period prescribed by said rule.

Administrative Order DD-\* May 21, 1991 Page No. 2

## **IT IS THEREFORE ORDERED THAT:**

(1) The applicant, <u>Yoks Refrestion Connection</u> is hereby authorized to directionally drill its <u>Ammonth' AM6 "Feder</u>", the surface location of which shall be <u>1310</u> feet from the <u>Month</u> line and <u>2630</u> feet from the <u>Fact</u> line (Unit <u>B</u>) of Section <u>12</u>, Township <u>20 Sourt</u>, Range <u>30 Fact</u>, NMPM, <u>Fally</u> County, New Mexico, by kicking off from the vertical area depth of approximately <u>feet</u>, and drilling in such a manner as to bottom in the <u>of said Section</u> forming a standard <u>space</u> spacing and proration unit for said pool.

 $\frac{Morrow}{Morrow} \quad \text{formation within 50 feet of a point } \frac{24499}{(Unit F)} \quad \text{feet from the} \quad (Unit F) \\ \frac{Morrh}{12} \quad \text{line and } \frac{1512}{12} \quad \text{feet from the} \quad \frac{MesF}{line of Section} \quad \text{line of Section} \\ \frac{12}{34}, \text{ being a standard } \frac{e_{12}}{24} \frac{1646e_{12}}{34} \text{ well location for said formation.} \\ \text{***}$ 

<u>PROVIDED HOWEVER THAT</u> prior to commencing directional drilling operations into said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division.

<u>PROVIDED HOWEVER THAT</u> during or upon completion of directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

(2) The applicant shall notify the supervisor of the <u>Music</u> district office of the Division of the date and time said wellbore surveys are to be conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore surveys to the Santa Fe and <u>Music</u> offices of the Division upon completion. Administrative Order DD-\* May 21, 1991 Page No. 3

(3) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

(4) The  $\frac{W/2}{320}$  of said Section  $\frac{12}{5}$  shall be dedicated to the well forming a standard  $\frac{320}{500}$ -acre  $\frac{120}{500}$  spacing and proration unit for the subject-pool. Morrow former is a

(5) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

WILLIAM J. LEMAY Director

SEAL

cc:

Oil Conservation Division -

USBAN - Carling

Care File : 10643

Usillian E Care - Artesia

MARTIN YATES. III 1912 - 1985 RANK W. YATES 1936 - 1986



OIL CONSERVATION DIVISIONAL VATES CHAIRMAN OF THE BOARD SIDENT PEYTON YATES CUTIVE VICE PRESIDENT G. PATTERSON SECRETARY DENNIS G. KINSEY TREASURER

RECEIVED

fill.

**105 SOUTH FOURTH STREET** ARTESIA, NEW MEXICO 88210 TELEPHONE (505) 748-1471

December 16, 1992

**Oil Conservation Division** P. O. Box 2088 Santa Fe, New Mexico 87504

Attention: Mr. Michael E. Stogner

Re:

Administrative Application for Directional Drilling - Amaranth 'AMG' Federal Com. Well No. 1, W/2 of Sec. 12, T20S-R30E Eddy County, New Mexico

Dear Mr. Stogner:

Per your letter of December 10, 1992, enclosed is a copy of the federal Application for Permit to Drill the Amaranth 'AMG' Fed. Com. #1 well.

The requested bottom-hole location of the Amaranth 'AMG' Fed. Com. #1 well is unorthodox due to the trajectory calculated to drill orthodox locations in the Strawn and Morrow formations.

If you need any further information, please let me know.

Thank you.

Very truly yours,

YATES PETROLEUM CORPORATION

Janet Richardson Landman

JR/rab enclosures

| ~ ``  |  |                 | Von   | $\sim$        |   |
|---|--|-----------------|---|---------------|---|
| , Form: 3160-3  | SUBMIT IN TR   | IPLICATE•       | Form approved.                                      |               | · |
| (November 1983)<br>(formerly 9-331C) UNITED ST  | ATES (Other instruction of the structure | tions on<br>de) | Budget Bureau N                                     | 0. 1004-013   | 6 |
| DEPARTMENT OF T   |  |                 | Expires August 31, 1985                             |               |   |
| BUREALLOF LAND  | MANAGEMENTONSERVATION D  | IVISION         | 5. LEASE DESIGNATION AND SEBIAL NO.                 |               |   |
|   | BE CONED   |                 | NM-54298  |               |   |
| APPLICATION FOR PERMIT TO DR  | ILL, DEEPEN, OR PLUG B   | ACK             | 6. IF INDIAN, ALLOTTEE                              | OR TRIBE NAME | ŝ |
| 1a. TYPE OF WORK  | PEN [] '92 DE PLUG BA  | 3,20            | 7. UNIT AGREEMENT NA                                |               |   |
| DRILL DEE   | PEN L DE PLUG BAG  | жші             | . UNIT AGREEMENT NA                                 | ME            |   |
| OIL GAS WELL OTHER  | SINGLE MULTIP<br>Zone Zone   |                 | 8. FARM OR LEASE NAM                                | 2             |   |
| 2. NAME OF OPERATOR   |  |                 | Amaranth "AMG                                       | " Federa      | 1 |
| Yates Petroleum Corporation   |  | -               | 9. WELL NO.   |               |   |
| 3. ADDRESS OF OPERATOR  |  |                 | 1   |               |   |
| 105 South Fourth Street, Artesia,   | New Mexico 88210   | -               | 10. FIELD AND POOL, OR WILDCAT                      |               |   |
| 4. LOCATION OF WELL (Beport location clearly and in accord<br>At surface                  | ance with any State requirements.*)  | ······          | Wildcat Morrow                                      |               |   |
| 1310' FNL and 2630' FEL<br>At proposed prod. sone   |  | 1               | 11. SEC., T., E., M., OR BLE.<br>AND SUBVEY OR AREA |               |   |
| 2449' FNL and 1512' FWL   |  |                 | Section 12-T  | 205-R30E      |   |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEABEST TOWN                                     | OR POST OFFICE*  |                 | 12. COUNTY OR PABISH                                | 13. STATE     |   |
| Approximately 25 miles NE of Carls  | bad, New Mexico  |                 | Eddy  | NM            |   |
| 13. DISTANCE FROM PROPOSED®<br>LOCATION TO NEABEST  | 16. NO. OF ACRES IN LEASE  |                 | ACRES ASSIGNED                                      |               |   |
| PROPERTY OR LEASE LINE, FT. 151<br>(Also to nearest drig, unit line, if any)              | 2' 280   |                 | 320   |               |   |
| 18. DISTANCE FROM PROPOSED LOCATION <sup>®</sup><br>TO NEAREST WELL, DRILLING, COMPLETED. | 19. PROPOSED DEPTH   | 20. ROTAE       | T OR CABLE TOOLS                                    |               |   |
| OR APPLIED FOR, ON THIS LEASE, FT.  | 12,600'  | Rota            | ry  |               |   |
| 21. ELEVATIONS (Show whether DF, BT, GR, etc.)  |  |                 | 22. APPBOL. DATE WOR                                | K WILL START  | • |
| 3322' GR  |  |                 | ASAP  |               |   |
| 23. PROPOSE   | D CASING AND CEMENTING PROGRAM   | 4               |   |               |   |
|   |  | 1               |   |               |   |

L 1 + No

| SIZE OF HOLE | BIZE OF CABING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT           |  |  |  |  |
|--------------|----------------|-----------------|---------------|------------------------------|--|--|--|--|
| 26"          | 20"            | 94# J-55        | 425'          | 375 sacks - circulated       |  |  |  |  |
| 17 1/2"      | 13 3/8"        | 54.5# J-55      | 1550'         | 925 sacks - circulated       |  |  |  |  |
| 12 1/4"      | 8 5/8"         | 32# J-55        | 3100'         | 700 sacks - circulated       |  |  |  |  |
| 7 7/8"       | 5 1/2"         | 17# N-80        | TD            | 600 sacks circulate to 9800' |  |  |  |  |

Yates Petroleum Corporation proposes to drill and test the Morrow and intermediate formations. Approximately 425' of surface casing will be set and cement circulated to shut off gravel and cavings. Intermediate casing will be set to 1550' and circulated and to 3100' and circulated. If commercial, will perforate and stimulate as needed for production.

MUD PROGRAM: FW gel, paper to 425'; Brine to 1550'; FW to 3200'; Cut Brine to 9700'; Brine to 10,600; XCD Drispak, Starch to TD.

BOP PROGRAM: BOP's and hydril will be installed on the 8 5/8" casing and tested daily.

GAS NOT DEDICATED

IN ABOVE SPACE DESCRIBE PROFOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

| BIGNED HEN Den Seinfl                                   | TITLE Landman | DATE12-11-92 |
|---|---------------|--------------|
|   |               |              |
| (This space for Federal or State office use)            |               |              |
| (This space for Federal or State office use) PERMIT NO. | APPROVAL DATE |              |

## \*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

rawer DD, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410

#### State of New Mexico Energy, Minerals and Natural Resources Department

# **OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

## WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

| Operator   |          |              |                   |  | <u> </u>        | Lease              |                                       |   |  | Well No.                |   |
|--|----------|--------------|-------------------|--|-----------------|--------------------|---------------------------------------|---|--|-------------------------|---|
| YATES  | PETI     | ROLEU        | M CORP            | DRATION                                  |                 | AMARAI             | TTH AMG                               | FEDERAL                                 | COM  | · ·                     |   |
| Unit Letter  | Secti    |              |                   | wnship                                   |                 | Range              | 1410                                  | <u>- Dobium</u>                         | County   | · · · · · ·             |   |
|  |          | 12           |                   | 20 :                                     | SOUTH           | 30 E/              | AST                                   | NM                                      |  | COUNTY.                 | NM                                      |
| Actual Footage Loc   | ation o  | Well:        | SURFAC            | E LOCATIO                                | DN              | •                  |                                       |   |  |                         |   |
| 1310   |          | rom the      | NORT              | <u> </u>                                 | line and        | 2630               |                                       | feet fr                                 | om the EAST                                    |                         |   |
| Ground level Elev.   |          | P            | roducing Fo       | mation                                   |                 | Pool               |                                       | ٨.                                      |  | Dedicated Ad            | •                                       |
| 3322.  |          |              |                   | 71.W                                     |                 | <u>Luil</u>        | deat                                  | Morri                                   | • W  | 320                     | Acres                                   |
| 1. Outline   | e the a  | reage d      | edicated to t     | he subject well                          | by colored per  | cil or hachure m   | arks on the pl                        | at below.                               |  |                         | ,<br>I                                  |
| 2. If mor  | e than   | one leas     | e is dedicate     | d to the well, a                         | utline each and | identify the own   | ership thereof                        | (both as to wo                          | orking interest and                            | royaity).               |   |
| 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? |          |              |                   |  |                 |                    |                                       |   |  |                         |   |
| X  | Yes      | -            | N []              |  |                 | e of consolidation |                                       | <u>a muniti</u>                         | ization  |                         |   |
|  |          |              | owners and        | tract description                        | ons which have  | actually been co   | nsolidated. (I                        | Use reverse side                        | e of   |                         |   |
| this form<br>No allow  |          |              | signed to the     | well until all i                         | nterests have b | een consolidated   | (by communi                           | tization, unitiza                       | uon, forced-poolin                             | g. or otherwise         | :)                                      |
|  |          |              |                   |  |                 | proved by the Di   |                                       | • | , F  |                         |   |
|  |          |              |                   |  | u               |                    |                                       |   | OPERAT   | NR CERTI                | FICATION                                |
|  | ł        | 1 1          |                   |  |                 |                    |                                       |   |  |                         | the information                         |
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|  |          |              |                   |  | b               | 263                | <u>o'</u>                             |   | 12.2   | a con land              | 4                                       |
|  |          |              | Γ                 |  | SURFACE         |                    |                                       |   | Position                                       |                         | <u> </u>                                |
|  |          |              | \$                |  | LOCATION        |                    |                                       |   | hand   | han                     | 1                                       |
|  |          |              | 2                 |  |                 |                    |                                       | l l                                     | Company  | Λ.                      |   |
|  |          | I            |                   |  |                 |                    |                                       |   | Yatu .   | <u>let. (</u>           | sp.                                     |
|  |          |              |                   |  |                 |                    |                                       |   | Date   | 7. 0                    | 3.2                                     |
|  |          |              | PROPO.<br>O BOTTO |  |                 |                    |                                       | }                                       | ([-  | <u> </u>                | 16                                      |
| 1512'  | 11       |              | LOCAT             |  |                 |                    |                                       |   | SURVEY   | OR CERT                 | IFICATION                               |
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|  | N        |              |                   | <b>A</b> A, <b>A</b> A, <sup>2</sup> 39. |                 | I                  |                                       |   | Date Surveyed                                  | $\sim$                  |   |
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|  | 1 1      |              | 1.1.1             |  |                 |                    |                                       | 1                                       | Signature & S<br>Professional &                | urveyor y               | <u> </u>                                |
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| 11/1/1   | 1        | , <u> </u> , | , , , ,           | 5,74                                     | Į               |                    |                                       |   | Ceruikaur No                                   |                         | -5/                                     |
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|  |          |              |                   |  |                 |                    |                                       |   |  |                         |   |
| 0 330 660  | 990      | 1320         | 1650 19           | 80 2310 26                               | -40 20          | 00 1500            | 1000                                  | 500 0                                   |  |                         |   |

## YATES PETROLEUM CORPORATION Amaranth "AMG" Federal Com #1 1310' FNL and 2630' FEL Surface Location 1980' FNL and 1980' FWL at Strawn depth 2421' FNL and 1512' FWL at BHL Section 12-T20S-R30E Eddy County, New Mexico DRILLING PROGNOSIS

### 1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

| Rustler Anhydrite       | 300'    |
|-------------------------|---------|
| Salado                  | 600'    |
| Tansill                 | 1,515'  |
| Yates                   | 1,640'  |
| Delaware                | 4,185'  |
| Bone Spring             | 6,645'  |
| КОР                     | 8,050'  |
| 3rd BS Sandstone TVD    | 9,465'  |
| MD                      | 9,500'  |
| Wolfcamp lime TVD       | 10,072' |
| MD                      | 10,150' |
| Upper Strawn Marker TVD | 10,970' |
| MD                      | 11,125' |
| Strawn TVD              | 11,035' |
| MD                      | 11,200' |
| Atoka lime TVD          | 11,495' |
| MD                      | 11,700' |
| Morrow Clastics TVD     | 11,945' |
| MD                      | 12,185' |
| Lower Morrow TVD        | 12,270' |
| MD                      | 12,550' |
| Austin Cycle TVD        | 12,450  |
| MD                      | 12,730' |
| PTVD TD                 | 12,600' |
| MD TD                   | 12,900' |

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS, OR MINERAL FORMATIONS:

Water: Approximately 350' Gas: All potential zones

#### 3: PRESSURE CONTROL EQUIPMENT - (Schematic Attached)

A. The Blow-Out Preventor will be equipped as follows:

- 1. One (1) blind ram
- 2. One (1) pipe ram
- 3. Kill line (3-inch minimum)
- 4. One (1) kill line valve (3-inch minimum)
- 5. One (1) choke line valve
- 6. Two (2) adjustable chokes.
- 7. Upper kelly cock valve with handle available
- 8. Safety valves & subs to fill all drill strings in use
- 9. 3-inch (minimum) choke line
- 10. Fill-up line above the upper most preventor

## Amaranth "AMG" Federal Com #1 Page 2

#### B. Pressure Rating: 3,000 PSI

#### 4. THE PROPOSED CASING AND CEMENTING PROGRAM:

A. Casing Program: (All New)

| <u>Hole Size</u> | <u>Casing Size</u> | <u>Wt./Ft.</u> | <u>Grade</u> | <u>Thread</u> | <u>Coupling</u> | Interval  | Length  |
|------------------|--------------------|----------------|--------------|---------------|-----------------|-----------|---------|
| 26"              | 20"                | 94#            | J-55         | 8R            | ST&C            | 0 - 425'  | 425'    |
| 17·1/2"          | 13 3/8"            | 54.5#          | J-55         | 8R            | ST&C            | 0 - 350'  | 350'    |
| 12 1/4"          | 9 5/8"             | 36#            | J-55         | 8R            | ST&C            | 0 - 2650' | 2650'   |
| 7 7/8"           | 5 1/2"             | 17#            | N-80         | 8R            | LT&C            | 0 - TD    | 13,100' |

1. Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Tensile Strength 1.8

2. 8 5/8" casing to be set if lost circulation is encountered.

B. CEMENTING PROGRAM:

Surface Casing: Lead slurry 375 sx Lite "C" 1/4# Cellocel + 2% CaCl2 with weight of 12.4 ppg and Yield 1.87 cu.ft./sx. Circulate to surface.

Intermediate Casing on 3 3/8" casing: Lead slurry 925 sx Lite "C" with 1/4# Cellocel, 10# salt with weight of 12.4 ppg and Yield of 2.03 cu.ft/sx tail with 200 sx "Class C" with 2% CaCl2 on 8 5/8" casing lead slurry 700 sx "Lite C" with 1/4# Cellocel, 5# Gilsonite, 2% CaCl2 with weight of 12 4 ppg and Yield of 1.97 cu.ft./sx tail slurry 200 sx "c" with 1% CaCl2.

Production Casing: Will be cemented in 3 stages as follows:

Cement Program: Lead Slurry 600 sacks "h" with 8# CSE .89. CF-14, .35% LWL, .35% Thrifty lite. Cement calculated to 9800'. Weight of 14.0 ppg and yield of 1.59 cu.ft./sack. D.V. Tool at approximately 9800'.

2nd stage: D.V. Tool at approximately 6400'. Lead Slurry 525 sacks "Lite H" with 1/4# cellocel, .5% CF-14 with weight of 13.0 ppg and yield of 1.97 cu.ft./sx. Tail slurry 200 sx Class "H" w/7% CF-14 with weight of 15.6 ppg and yield of 1.18 cu.ft./sx. Cement calculated to 6400'. 3rd stage: Lead Slurry 600 sx "Lite H" with 1/4# cellocel, .5% CF-14 with weight of 13.0 ppg and yield of 1.97 cu.ft./sx. Tail slurry 100 sx "H' neat with weight of 15.6 ppg and yield of 1.18 cu.ft./sx. Cement calculated to 1.18 cu.ft./sx. Tail slurry 100 sx "H' neat with weight of 15.6 ppg and yield of 1.18 cu.ft./sx. Cement calculated to 3400'. (500' tie back to 8 5/8" casing.)

A greater amount of cement will be used if necessary to ensure that all potentially productive hydrocarbon zones are cemented off. Fill-up to be determined from logs.

#### 5. MUD PROGRAM:

| <u>Interval</u> | <u>Type</u>          | <u>Weight</u> | <u>Viscosity</u> | Fluid Loss |
|-----------------|----------------------|---------------|------------------|------------|
| 0 - 425'        | FW gel/paper         | 9.0           | · 34             | N/C        |
| 425' - 1550'    | Brine                | 10.0          | 28               | N/C        |
| 1550' - 3200'   | FW                   | 8.4           | 28               | N/C        |
| 3200' - 9700'   | Cut Brine            | 8.7           | 28               | N/C        |
| 9700' - 10,600' | Brine                | 10.0          | 28               | N/C        |
| 10,600' - TD    | XCD, Drispak, Starch | 9.5           | 33               | 12 CC      |

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations. Mud will be checked tourly by rig personnel.

Amaranth "AMG" Federal Com #1 Page 2

## 6. **EVALUATION PROGRAM**:

Samples:Every 10' out from under surface casing.Logging:CNL/LDT - TD to casing with CNL/GR 5" to surface; DLL/MSFL, TD to casing; LSS, TD tosurface; possible intermediate logs 4000' to 1550' - CNL/LDT, DLL/MSFL.Coring:As warranted.DST's:As warranted

## 7. ABNORMAL CONDITIONS

No abnormal temperatures or pressures are anticipated. No H2S anticipated.

## 8. ANTICIPATED STARTING DATES

Plans are to drill this well before the end of the year. It should take approximately 55 days to drill the well with completion taking another 20 days.

## MULTI-POINT SURFACE USE AND OPERATIONS PLAN Amaranth "AMG" Federal Com #1 1310' FNL and 2630' FEL Surface Location 1980' FNL and 1980' FWL at Strawn depth 2421' FNL and 1512' FWL at BHL Section 12-T20S-R30E Eddy County, New Mexico

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of the surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operations.

#### 1. EXISTING ROADS:

Exhibit A is a portion of BLM map showing the well and roads in the vicinity of the proposed location. The proposed well site is located approximately 25 miles northeast of Carlsbad, New Mexico, and the access route to the location is indicated in red and green on Exhibit A.

#### DIRECTIONS:

Go east of Carlsbad on Highway 62-180 for approximately 15 miles to Bluestem Road (360). Then Approximately 5 miles to Shugart Road (222) and turn south on caliche road approximately 3 miles. Follow caliche road approximately .8 of a mile to a two tract road going to the west. New road starts here following the two tract road most of the way to location.

### 2. PLANNED ACCESS ROAD

- A. The proposed new access will be approximately 9300' in length from point of origin to the southwest edge of the drilling pad. The road will lie in a northeast to southwest direction.
- B. The new road will be 14 feet in width (driving surface) and will be adequately drained to control runoff and soil erosion.
- C. The new road will be bladed with drainage on both side. Some traffic turnout will be built.
- D. The route of the road is visible.

#### 3. LOCATION OF EXISTING WELL

- A. There is drilling activity within a one-mile radius of the well site.
- B. Exhibit D shows existing wells within a one-mile radius of the proposed well site.

#### 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. There are no production facilities on this lease at the present time.
- B. In the event that the well is productive, the necessary production facilities will be installed on the drilling pad. If the well is productive oil, a gas or diesel self-contained unit will be used to provide the necessary power. No power will be required if the well is productive of gas.

#### 5. LOCATION AND TYPE OF WATER SUPPLY:

A. It is planned to drill the proposed well with a fresh water system. A local water trucking firm will be contracted to furnish the water. They will provide the water obtaining it from whatever sources available to them at their discretion. It will be trucked to the location over the existing and proposed roads shown in Exhibit A.

#### Amaranth "AMG" Federal Com #1 Page 2

- 6. SOURCE OF CONSTRUCTION MATERIALS:
  - A. The dirt contractor will get the caliche from the closest source to well and take care of payment to owner.
- 7. METHODS OF HANDLING WASTE DISPOSAL:
  - A. Drill cuttings will be disposed of in the reserve pits.
  - B. Drilling fluids will be allows to evaporate in the reserve pits until the pits are dry.
  - C. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or separate disposal application will be submitted.
  - D. Oil produced during operations will be stored in tanks until sold.
  - E. Current laws and regulations pertaining to the disposal of human waste will be complied with.
  - F. All trash, junk, and other waste materials will be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary land fill. Burial on site is not approved.
- 8. ANCILLARY FACILITIES:
  - A. None required.
- 9. WELL SITE LAYOUT:
  - A. Exhibit C shows the relative location and dimensions of the well pad, the reserve pits, the location of the drilling equipment, rig orientation and access road approach.
  - B. The reserve pits will be plastic lined.
  - C. A 400' x 400' area has been staked and flagged.
- 10. PLANS FOR RESTORATION
  - A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the well site in as aesthetically pleasing a condition as possible.
  - B. Unguarded pits, if any, containing fluids will be fenced until they have dried and been leveled.
  - C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as expeditiously as possible. All pits will be filled level when dry.
- 11. SURFACE OWNERSHIP: Bureau of Land Management, Carlsbad, New Mexico
- 12. OTHER INFORMATION:
  - A. Topography: Refer to the existing archaeological report for a description of the topography, flora, fauna, soil characteristics, dwellings, historical and cultural sites.
  - B. The primary surface use is for grazing.

#### Amaranth "AMG" Federal Com #1 Page 3

#### 13. OPERATOR'S REPRESENTATIVE

A. Through A.P.D. Approval:

Through Drilling Operations, Completions and Production:

Β.

Ken Beardemphl, Landman Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210 Phone (505) 748-1471 Mike Slater, Operations Manager Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210

### 14. CERTIFICATION:

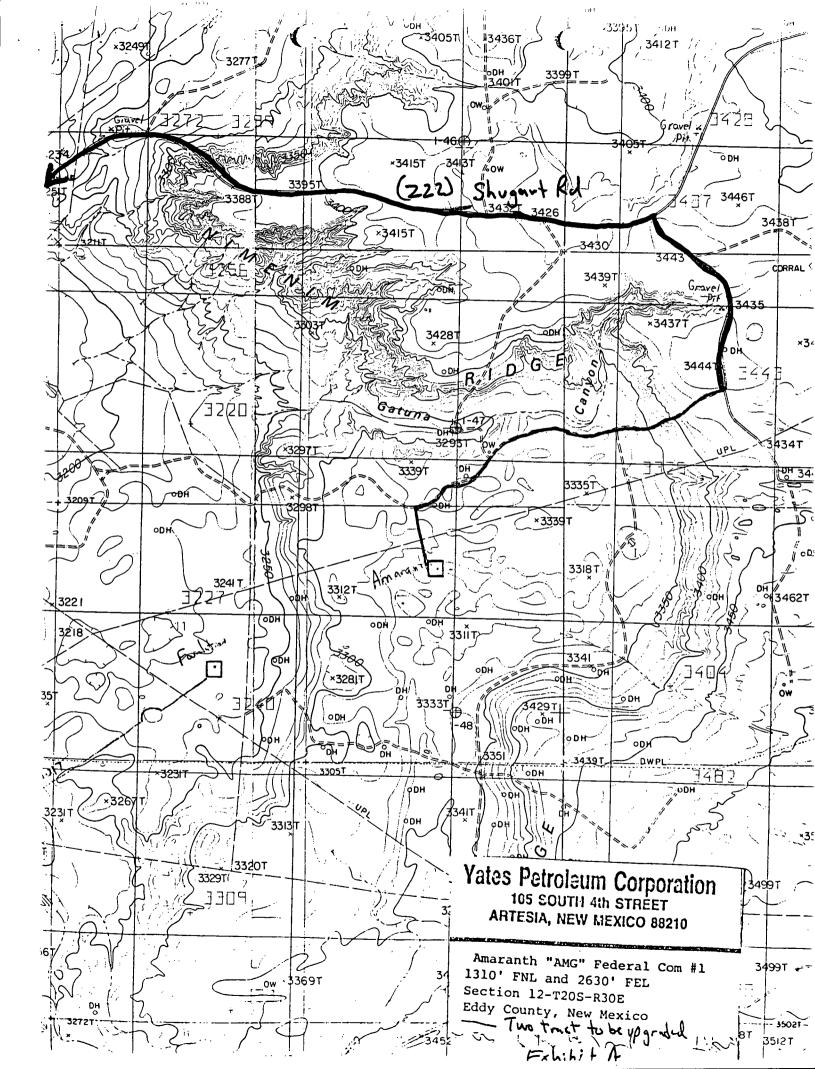
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and , that the work associated with the operations proposed herein will be performed by Yates Petroleum Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

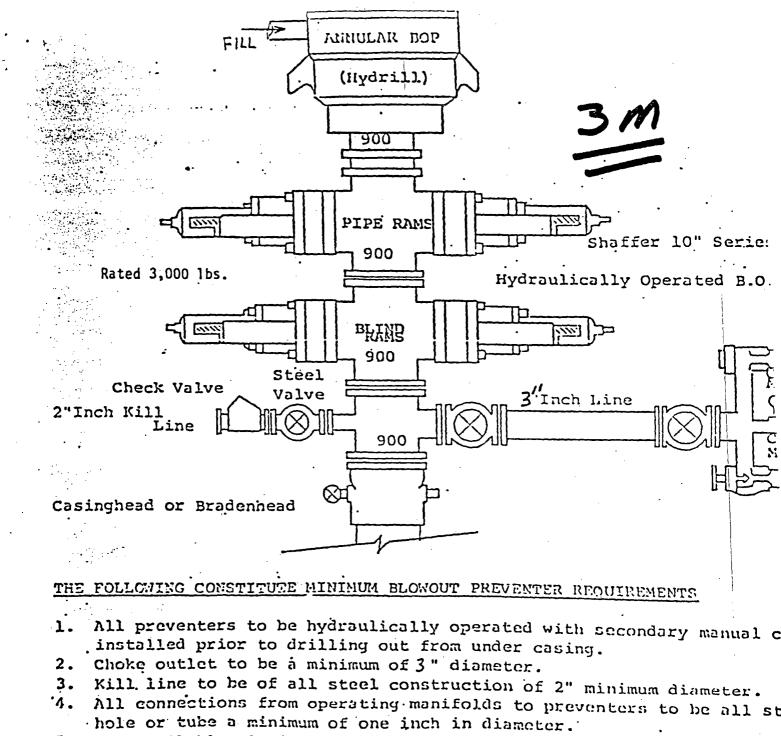
Phone (505) 748-1471

12-14-92

Date

Ken Beardemphl Landman





- The available closing pressure shall be at least 15% in excess of t
   required with sufficient volume to operate the B.O.P.'s.
- 6. All connections to and from preventer to have a pressure rating equate to that of the B.O.P.'s.

EXHIBIT

- 7. Inside blowout preventer to be available on rig floor.
- 8. Operating controls located a safe distance from the rig floor
- 9. Nole must be kept filled on trips below intermediate casing.

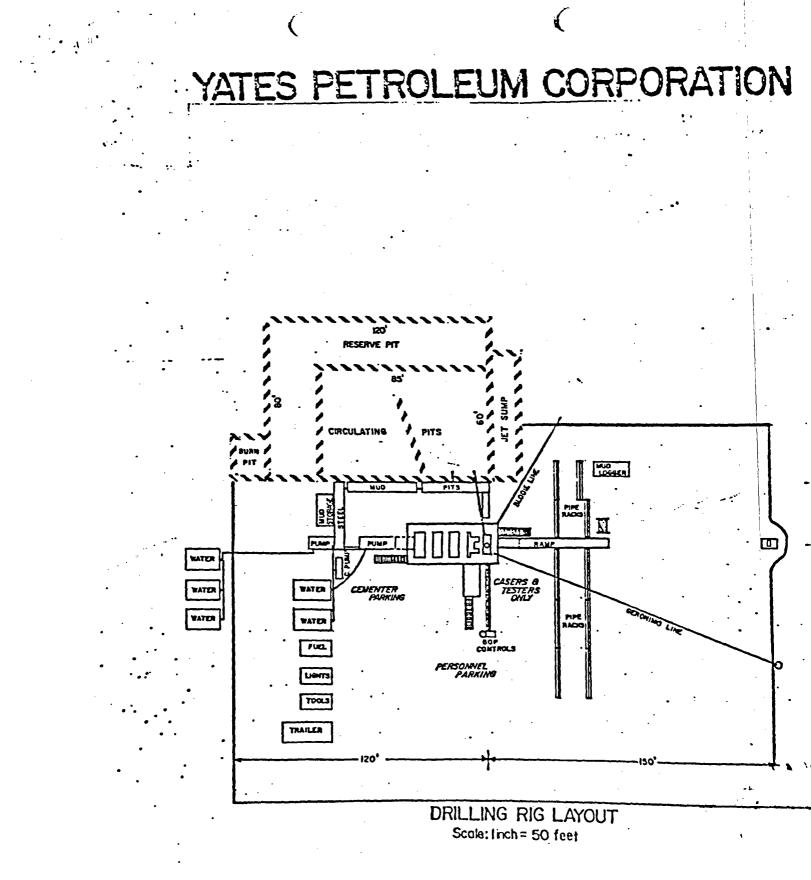
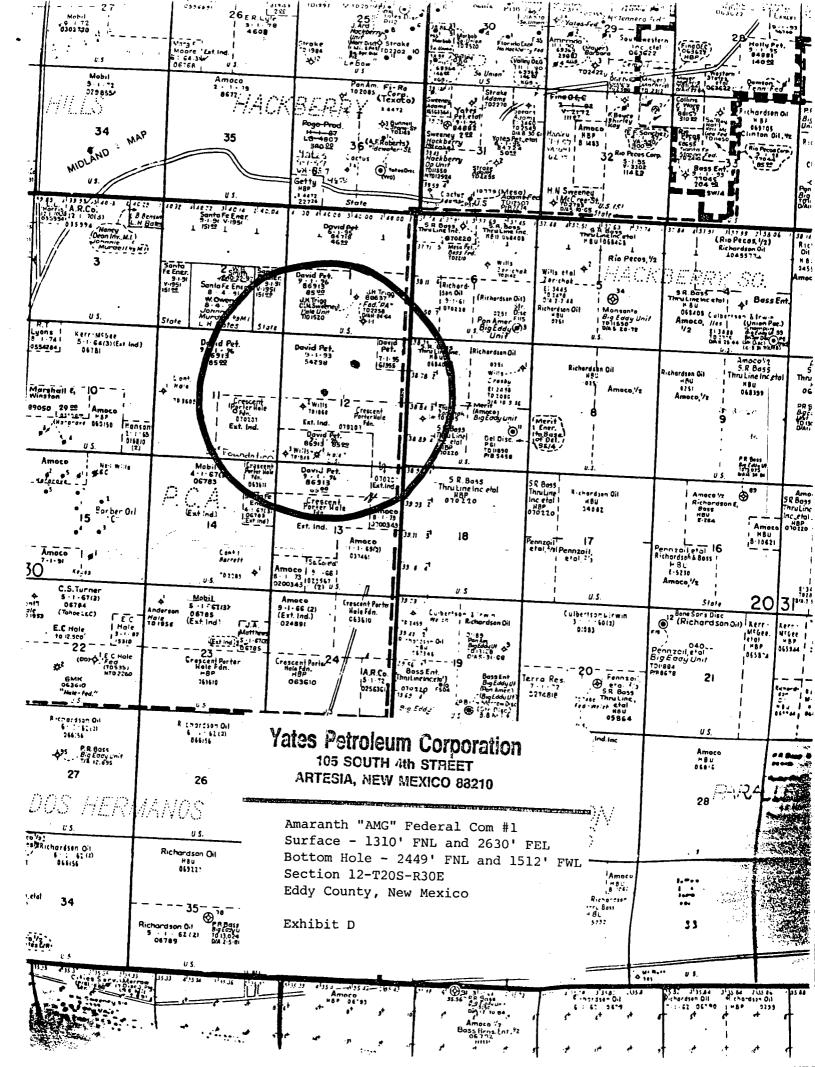


Exhibit C

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# STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

**OIL CONSERVATION DIVISION** 



POST OFFICE BOX 2088

STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504

(505) 827-5800

BRUCE KING GOVERNOR

ANITA LOCKWOOD CABINET SECRETARY

Yates Petroleum Corporation c/o William F. Carr Campbell, Carr, Berge & Sheridan, P.A. P.O. Box 2208 Santa Fe, NM 87504-2208

> RE: Case No. 10643. Application of Yates Petroleum Corporation for Directional Drilling, Eddy County, New Mexico.

Dear Mr. Carr:

The subject application will be re-advertised for the January 7, 1993 Examiner Hearing to cover the unorthodox bottom-hole location for the proposed Amaranth "AMG" Federal Com Well No. 1, (see General Rule 104.D(1)(a). I apologize this was not corrected when the original application was received.

Should you have any questions or comments concerning this matter, please contact me.

Sincerely ui

Michael E. Stogner Chief Hearing Officer

MES/amg

Case File: 10643 cc:

December 11, 1992

# STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT



**OIL CONSERVATION DIVISION** 

BRUCE KING GOVERNOR

ANITA LOCKWOOD CABINET SECRETARY

December 10, 1992

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

Yates Petroleum Company 105 South Fourth Street Artesia, NM 88210

Attention: Janet Richardson

Administrative Application for Directional Drilling -RE: Amaranth "AMG" Federal Com Well No. 1, W/2 of Section 12, Township 20 South, Range 30 East, NMPM, Eddy County.

Dear Ms. Richardson:

So that I may process the subject application accordingly, please submit a copy of the Federal APD form for this well. Also, since the requested bottom-hole location is unorthodox, pursuant to General Rule 104.B(1)(a), please provide me a detailed explanation so that this issue can be addressed in the same order.

Should you have any questions or comments pertaining to this matter, please contact me.

Sincerely,

Michael E. Stogner Chief Hearing Officer/Engineer

MES/amg

William F. Carr - Santa Fe cc: File: Case No. 10643

MARTIN YATES, III 1912 - 1985 FRANK W. YATES 1936 - 1986



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210 TELEPHONE (505) 748-1471

November 23, 1992

NOV 2 5 1992

S. P. YATES CHAIRMAN OF THE BOARD

JOHN A. VATES

PRESIDENT

PEYTON YATES

EXECUTIVE VICE PRESIDENT RANDY G. PATTERSON SECRETARY

DENNIS G. KINSEY

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

Attention: Mr. William J. LeMay, Director

Re: Application for Administrative Approval to directionally Drill the Yates Petroleum Corporation Amaranth "AMG" Fed. Com. #1 Well, Undesignated Strawn Pool, Undesignated Morrow Pool, Eddy County, New Mexico

Dear Mr. LeMay,

Pursuant to the provisions of Oil Conservation Division Rule 111(d), Yates Petroleum Corporation, operator of the W/2 of Section 12, Township 20 South, Range 30 East, N.M.P.M., Eddy County, New Mexico, hereby applies for administrative approval to directionally drill its Yates Petroleum Corporation Amaranth "AMG" Fed. Com. #1 well from a surface location 1,310 feet from the North line and 2,630 feet from the East line of Section 12, Township 20 South, Range 30 East, N.M.P.M., Eddy county, New Mexico to a proposed bottomhole location 2,449 feet from the North line and 1,512 feet from the West line of Section 12, Township 20 South, Range 30 East, N.M.P.M., Eddy County, New Mexico.

This application qualifies for administrative approval since the proposed production zone is at a standard location in both the Strawn and Morrow formations in Section 12, but no standard surface location is available due to the potash enclave. Attached are waivers for the surface location selected.

Required notice of this application has been served by certified mail to each Operator of a spacing or proration unit offsetting the unit for which attached service list has been furnished a copy of this letter, complete with all attachments.

If there are any questions concerning this application, please contact me or Mr. Ken Beardemphl at 505-748-1471.

Thank you.

Very truly yours,

Janet Richardson Landman

CC w/enc.: State of New Mexico Oil Conservation Division District II P. O. Drawer DD Artesia, New Mexico 88210

# SURFACE OWNER:

Bureau of Land Management 1717 West Second Roswell, New Mexico 88201

## **OFFSET OPERATORS:**

Santa Fe Energy 500 West Illinois 5th Floor Midland, Texas 79701

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

Scope, Ind. E. A. Culbertson Wallace W. Irwin P. O. Box 1071 Midland, Texas 79701

David Petroleum Corporation 116 West First Roswell, New Mexico 88201

Crescent Porter Hale Foundation c/o Ballard Exploration Company, Inc. 1705 First City National Bank Building 1021 Main Street Houston, Texas 77002 Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

<u>^</u>.

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**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

# WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

| Operator                               |              |                 |                     |   | Lease                       |                        |                | • · · · • • • • • • • • • • • • • • • •    | Well No.                              |                                       |
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| Unit Letter                            | Sectio       | n               | Township            |   | Range                       |                        |                | County                                     |                                       |                                       |
| -                                      |              | 12              | 20                  | SOUTH                                   | 30 E                        | AST                    | NMPM           | EDDY                                       | COUNTY,                               | NM                                    |
| Actual Footage Loc                     | ation of     | Well: SUR       | FACE LOCAT          | TON                                     |                             |                        |                | • • • • • • • •                            |                                       |                                       |
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| 2. If mor                              | re than o    | ne lease is de  | dicated to the wel  | l, outline each an                      | d identify the ow           | mership thereof (both  | as to worki    | ing interest and                           | royalty).                             |                                       |
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| unitiza                                |              | ce-pooling, e   |                     | · • • •                                 |                             | •                      |                |  |                                       |                                       |
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October 2, 1990



- Esta

Mississippi Chemical Corporation P.O. Box 1010 Carlsbad, New Mexico 88220

Attention: Mr. Randy Foote

Re: Waiver of Objection Section 1: SW/4 SE/4, Section 12: NW/4 NE/4 T-20-S, R-30-E, N.M.P.M. Eddy County, New Mexico

Dear Randy:

As we discussed last week in your office, David Petroleum Corp. desires to further evaluate acreage in the referenced township. Because this acreage is near some potash mines where your company owns potash leases, the B.L.M. feels it would be advisable to obtain a waiver of objection as to our surface location.

New Mexico Oil Conservation Commission order No. R-111-P provides that a deep well shall be drilled no closer than one-half  $(\frac{1}{2})$  mile from the LMR. The enclosed plat indicates a surface area, highlighted in red, which we believe satisfies this restriction. It would be our intent to directionally drill from areas within this circle to bottomhole locations approved by the N.M.O.C.D.

Our exploration plans include purchasing additional seismic data which is available in this area as well as possibly shooting new seismic of our own. If our seismic work proves encouraging we will pursue the available leasehold interests with hopes of drilling an exploratory well.

David Petroleum Corp. and its assigns, request that you waive objection, for a period of five (5) years, to the surface occupancy at this location. If you are agreeable to waiving objection to this location, please so indicate by signing, dating and returning one (1) copy of this letter to David Petroleum Corp. in the enclosed self-addressed and stamped envelope. Please give me a call if you have any questions.

Sincerely, Bill Owen

Agreed and Accepted this <u>4</u> day of October, 1990.

Mississippi Chemical Corporation

By: Company Manager

DAVID PETROLEUM CORP.

EDWARD K. DAVID, PRESIDENT Certified Petroleum Geologist Oft. 505/622-8850 Res. 505/622-5267 116 West First Roswell, New Mexico 88201

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MARTIN YATES, III 1912 - 1985 FRANK W. YATES 1936 - 1986



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105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210 TELEPHONE (505) 748-1471 S. P. YATES CHAIRMAN OF THE BOARD JOHN A. YATES PRESIDENT PEYTON YATES EXECUTIVE VICE PRESIDENT RANDY G. PATTERSON SECRETARY DENNIS G. KINSEY TREASURER

November 23, 1992

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

NOV & 5 199 ERVATION LIVISI MANTA FE

Attention: Mr. William J. LeMay, Director

Re: Application for Administrative Approval to directionally Drill the Yates Petroleum Corporation Amaranth "AMG" Fed. Com. #1 Well, Undesignated Strawn Pool, Undesignated Morrow Pool, Eddy County, New Mexico

Dear Mr. LeMay,

Pursuant to the provisions of Oil Conservation Division Rule 111(d), Yates Petroleum Corporation, operator of the W/2 of Section 12, Township 20 South, Range 30 East, N.M.P.M., Eddy County, New Mexico, hereby applies for administrative approval to directionally drill its Yates Petroleum Corporation Amaranth "AMG" Fed. Com. #1 well from a surface location 1,310 feet from the North line and 2,630 feet from the East line of Section 12, Township 20 South, Range 30 East, N.M.P.M., Eddy county, New Mexico to a proposed bottomhole location 2,449 feet from the North line and 1,512 feet from the West line of Section 12, Township 20 South, Range 30 East, N.M.P.M., Eddy County, New Mexico.

This application qualifies for administrative approval since the proposed production zone is at a standard location in both the Strawn and Morrow formations in Section 12, but no standard surface location is available due to the potash enclave. Attached are waivers for the surface location selected.

Required notice of this application has been served by certified mail to each Operator of a spacing or proration unit offsetting the unit for which attached service list has been furnished a copy of this letter, complete with all attachments.

If there are any questions concerning this application, please contact me or Mr. Ken Beardemphl at 505-748-1471.

Thank you.

Very truly yours,

Spect Pictor 6-

Janet Richardson Landman

CC w/enc.: State of New Mexico Oil Conservation Division District II P. O. Drawer DD Artesia, New Mexico 88210

# SURFACE OWNER:

Bureau of Land Management 1717 West Second Roswell, New Mexico 88201

## OFFSET OPERATORS:

Santa Fe Energy 500 West Illinois 5th Floor Midland, Texas 79701

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

Scope, Ind. E. A. Culbertson Wallace W. Irwin P. O. Box 1071 Midland, Texas 79701

David Petroleum Corporation 116 West First Roswell, New Mexico 88201

Crescent Porter Hale Foundation c/o Ballard Exploration Company, Inc. 1705 First City National Bank Building 1021 Main Street Houston, Texas 77002 Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

# **OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

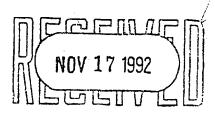
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

# WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

| Operator           |            |                | · .                   |                                       | Lease            | <del>.</del>                          |                 |                  | Well No.  |
|--------------------|------------|----------------|-----------------------|---------------------------------------|------------------|---------------------------------------|-----------------|------------------|---|
| YATES              | PETR       | DLEUM C        | ORPORATION            |                                       | AMARA            | NTH ANG FE                            | DERAL C         |                  | . 1   |
| Unit Letter        | Section    |                | Township              |                                       | Range            |                                       |                 | County           |   |
|                    |            | 12 .           | 20                    | SOUTH                                 | 30 E             | EAST                                  | NMPN            | EDD              | Y COUNTY, NM  |
| Actual Footage Loc | ation of   | Well: SUR      | FACE LOCAT            | LON                                   |                  |                                       |                 |                  |   |
| 1310               | feet fro   | om the N       | ORTH                  | line and                              | 2630             | )                                     | feet from       | n the EAS        |   |
| Ground level Elev. |            | Produci        | ing Formation         |                                       | Pool             |                                       |                 |                  | Dedicated Acreage:  |
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| 2. If mor          | re than or | ne lease is de | dicated to the well,  | outline each and                      | identify the ov  | vnership thereof (bo                  | ch as to work   | ing interest and | d royalty).   |
| 3. If mor          | re than or | ne lease of di | ifferent ownership i  | s dedicated to the                    | well, have the   | interest of all owne                  | rs been cons    | olidated by cor  | nmunitization.  |
|                    | ation, for | e-pooling, e   | tc.?                  |                                       |                  |                                       |                 | -                |   |
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|                    |            |                | to the well until al  | interests have b                      | en consolidate   | d (by communitizat                    | ion, unitizatio | on, forced-pool  | ing, or otherwise)  |
| or until a         | non-stat   | idard unit, el | liminating such inte  | rest, has been app                    | proved by the D  | Division.                             |                 |                  |   |
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October 2, 1990



Mississippi Chemical Corporation P.O. Box 1010 Carlsbad, New Mexico 88220

Attention: Mr. Randy Foote

Re: Waiver of Objection Section 1: SW/4 SE/4, Section 12: NW/4 NE/4 T-20-S, R-30-E, N.M.P.M. Eddy County, New Mexico

Dear Randy:

As we discussed last week in your office, David Petroleum Corp. desires to further evaluate acreage in the referenced township. Because this acreage is near some potash mines where your company owns potash leases, the B.L.M. feels it would be advisable to obtain a waiver of objection as to our surface location.

New Mexico Oil Conservation Commission order No. R-lll-P provides that a deep well shall be drilled no closer than one-half  $(\frac{1}{2})$  mile from the LMR. The enclosed plat indicates a surface area, highlighted in red, which we believe satisfies this restriction. It would be our intent to directionally drill from areas within this circle to bottomhole locations approved by the N.M.O.C.D.

Our exploration plans include purchasing additional seismic data which is available in this area as well as possibly shooting new seismic of our own. If our seismic work proves encouraging we will pursue the available leasehold interests with hopes of drilling an exploratory well.

David Petroleum Corp. and its assigns, request that you waive objection, for a period of five (5) years, to the surface occupancy at this location. If you are agreeable to waiving objection to this location, please so indicate by signing, dating and returning one (1) copy of this letter to David Petroleum Corp. in the enclosed self-addressed and stamped envelope. Please give me a call if you have any questions.

Sincerely,

Bill Owen

Agreed and Accepted this \_\_\_\_\_ day of October, 1990.

Mississippi Chemical Corporation

By: Company Manager

DAVID PETROLEUM CORP.

EDWARD K. DAVID, PRESIDENT Certified Petroleum Geologist Off. 505/622-8850 Res. 505/622-5267 116 West First Roswell, New Mexico 88201

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MARTIN YATES, III 1912 - 1985 FRANK W. YATES 1936 - 1986



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210 TELEPHONE (505) 748-1471 S. P. YATES CHAIRMAN OF THE BOARD JOHN A. YATES PRESIDENT PEYTON YATES EXECUTIVE VICE PRESIDENT RANDY G. PATTERSON SECRETARY DENNIS G. KINSEY TREASURER

November 23, 1992

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

OV 2 5 199 RVATING LUN

Attention: Mr. William J. LeMay, Director

Re: Application for Administrative Approval to directionally Drill the Yates Petroleum Corporation Amaranth "AMG" Fed. Com. #1 Well, Undesignated Strawn Pool, Undesignated Morrow Pool, Eddy County, New Mexico

Dear Mr. LeMay,

Pursuant to the provisions of Oil Conservation Division Rule 111(d), Yates Petroleum Corporation, operator of the W/2 of Section 12, Township 20 South, Range 30 East, N.M.P.M., Eddy County, New Mexico, hereby applies for administrative approval to directionally drill its Yates Petroleum Corporation Amaranth "AMG" Fed. Com. #1 well from a surface location 1,310 feet from the North line and 2,630 feet from the East line of Section 12, Township 20 South, Range 30 East, N.M.P.M., Eddy county, New Mexico to a proposed bottomhole location 2,449 feet from the North line and 1,512 feet from the West line of Section 12, Township 20 South, Range 30 East, N.M.P.M., Eddy County, New Mexico.

This application qualifies for administrative approval since the proposed production zone is at a standard location in both the Strawn and Morrow formations in Section 12, but no standard surface location is available due to the potash enclave. Attached are waivers for the surface location selected.

Required notice of this application has been served by certified mail to each Operator of a spacing or proration unit offsetting the unit for which attached service list has been furnished a copy of this letter, complete with all attachments.

If there are any questions concerning this application, please contact me or Mr. Ken Beardemphl at 505-748-1471.

Thank you.

Very truly yours,

Gut Pickal -

Janet Richardson Landman

CC w/enc.: State of New Mexico Oil Conservation Division District II P. O. Drawer DD Artesia, New Mexico 88210

# SURFACE OWNER:

Bureau of Land Management 1717 West Second Roswell, New Mexico 88201

## **OFFSET OPERATORS:**

Santa Fe Energy 500 West Illinois 5th Floor Midland, Texas 79701

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

Scope, Ind. E. A. Culbertson Wallace W. Irwin P. O. Box 1071 Midland, Texas 79701

David Petroleum Corporation 116 West First Roswell, New Mexico 88201

Crescent Porter Hale Foundation c/o Ballard Exploration Company, Inc. 1705 First City National Bank Building 1021 Main Street Houston, Texas 77002 Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

۰,

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

#### Form C-102 Revised 1-1-89

# OIL CONSERVATION DIVISION

P.O. Box 2088

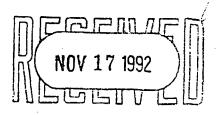
Santa Fe, New Mexico 87504-2088

# WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

| Operator                     |                |                |  |                     | Lease  |                        |              |                  | Well No.  |
|------------------------------|----------------|----------------|--|---------------------|--|------------------------|--------------|------------------|---|
| YATES                        | PETR           | OLEUM C        | ORPORATION                             |                     | AMARA  | NTH ANG FEDE           | RAL CO       | M                | 1   |
| Unit Letter Section Township |                |                |  | Range               |  |                        | County       | ······           |   |
|                              |                | 12             | 20 :                                   | SOUTH               | 30 E.  | AST                    | NMPM         | EDDY             | COUNTY, NM  |
| Actual Footage Loc           | ation of       | Well: SUR      | FACE LOCATIO                           | ON                  |  |                        |              |                  |   |
| 1310                         |                | om the N       | ORTH                                   | line and            | 2630   |                        | feet from    | the EAST         |   |
| Ground level Elev.           |                | Produci        | ing Formation                          |                     | Pool   |                        |              |                  | Dedicated Acreage:  |
| 3322.                        |                |                |  |                     |  |                        |              | ···              | Acres   |
|                              |                |                | ed to the subject well                 |                     |  |                        |              |                  |   |
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October 2, 1990



Mississippi Chemical Corporation P.O. Box 1010 Carlsbad, New Mexico 88220

Attention: Mr. Randy Foote

Re: Waiver of Objection Section 1: SW/4 SE/4, Section 12: NW/4 NE/4 T-20-S, R-30-E, N.M.P.M. Eddy County, New Mexico

Dear Randy:

As we discussed last week in your office, David Petroleum Corp. desires to further evaluate acreage in the referenced township. Because this acreage is near some potash mines where your company owns potash leases, the B.L.M. feels it would be advisable to obtain a waiver of objection as to our surface location.

New Mexico Oil Conservation Commission order No. R-lll-P provides that a deep well shall be drilled no closer than one-half  $(\frac{1}{2})$  mile from the LMR. The enclosed plat indicates a surface area, highlighted in red, which we believe satisfies this restriction. It would be our intent to directionally drill from areas within this circle to bottomhole locations approved by the N.M.O.C.D.

Our exploration plans include purchasing additional seismic data which is available in this area as well as possibly shooting new seismic of our own. If our seismic work proves encouraging we will pursue the available leasehold interests with hopes of drilling an exploratory well.

David Petroleum Corp. and its assigns, request that you waive objection, for a period of five (5) years, to the surface occupancy at this location. If you are agreeable to waiving objection to this location, please so indicate by signing, dating and returning one (1) copy of this letter to David Petroleum Corp. in the enclosed self-addressed and stamped envelope. Please give me a call if you have any questions.

Sincerely, Bill Owen

Agreed and Accepted this 4 day of October, 1990.

Mississippi Chemical Corporation

By: Company Manager

#### DAVID PETROLEUM CORP.

EDWARD K. DAVID, PRESIDENT Certified Petroleum Geologist Off. 505/622-8850 Res. 505/622-5267 116 West First Roswell, New Mexico 88201

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MARTIN YATES, III 1912 - 1985 FRANK W. YATES 1936 - 1986



S. P. YATES CHAIRMAN OF THE BOARD JOHN A. YATES PRESIDENT PEYTON YATES EXECUTIVE VICE PRESIDENT RANDY G. PATTERSON SECRETARY DENNIS G. KINSEY TREASURER

105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210 TELEPHONE (505) 748-1471

November 23, 1992

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

Attention: Mr. William J. LeMay, Director

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Required notice of this application has been served by certified mail to each Operator of a spacing or proration unit offsetting the unit for which attached service list has been furnished a copy of this letter, complete with all attachments.

If there are any questions concerning this application, please contact me or Mr. Ken Beardemphl at 505-748-1471.

Thank you.

Very truly yours,

Spit Pielal-

Janet Richardson Landman

CC w/enc.: State of New Mexico Oil Conservation Division District II P. O. Drawer DD Artesia, New Mexico 88210

# SURFACE OWNER:

Bureau of Land Management 1717 West Second Roswell, New Mexico 88201

# OFFSET OPERATORS:

Santa Fe Energy 500 West Illinois 5th Floor Midland, Texas 79701

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

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David Petroleum Corporation 116 West First Roswell, New Mexico 88201

Crescent Porter Hale Foundation c/o Ballard Exploration Company, Inc. 1705 First City National Bank Building 1021 Main Street Houston, Texas 77002 Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410

## State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89 1

# **OIL CONSERVATION DIVISION**

P.O. Box 2088

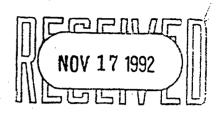
Santa Fe, New Mexico 87504-2088

# WELL LOCATION AND ACREAGE DEDICATION PLAT

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October 2, 1990



Mississippi Chemical Corporation P.O. Box 1010 Carlsbad, New Mexico 88220

Attention: Mr. Randy Foote

Re: Waiver of Objection Section 1: SW/4 SE/4, Section 12: NW/4 NE/4 T-20-S, R-30-E, N.M.P.M. Eddy County, New Mexico

Dear Randy:

As we discussed last week in your office, David Petroleum Corp. desires to further evaluate acreage in the referenced township. Because this acreage is near some potash mines where your company owns potash leases, the B.L.M. feels it would be advisable to obtain a waiver of objection as to our surface location.

New Mexico Oil Conservation Commission order No. R-111-P provides that a deep well shall be drilled no closer than one-half (1) mile from the LMR. The enclosed plat indicates a surface area, highlighted in red, which we believe satisfies this restriction. It would be our intent to directionally drill from areas within this circle to bottomhole locations approved by the N.M.O.C.D.

Our exploration plans include purchasing additional seismic data which is available in this area as well as possibly shooting new seismic of our own. If our seismic work proves encouraging we will pursue the available leasehold interests with hopes of drilling an exploratory well.

David Petroleum Corp. and its assigns, request that you waive objection, for a period of five (5) years, to the surface occupancy at this location. If you are agreeable to waiving objection to this location, please so indicate by signing, dating and returning one (1) copy of this letter to David Petroleum Corp. in the enclosed self-addressed and stamped envelope. Please give me a call if you have any questions.

Sincerely,

Bill Owen

Agreed and Accepted this \_\_\_\_\_ day of October, 1990.

Mississippi Chemical Corporation

By: Company Manager

DAVID PETROLEUM CORP.

EDWARD K. DAVID, PRESIDENT Certified Petroleum Geologist Off. 505/622-8850 Res. 505/622-5267 116 West First Roswell, New Mexico 88201

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|                | 06775<br>(Burne)<br>5101<br>5101  | (0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0000)<br>(0 | C - es cent Porter<br>Laig 5 da<br>APP<br>1818-3  |  | Bisstering (1) Baselon<br>[Innessering (1) Baselon (1)<br>Nusion (1) Baselon (1)<br>Nusion (1) Baselon (1)<br>(1) Ba  | 20 Francisco Se Be<br>Se r>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S |
| ·              | j 51-0-sc<br>7 +2 6Mil<br>19 10-1   | "Hair fea"<br>"Hair fea"<br>••••• •••• ••••  | · · · · · · · · · · · · · · · · · · ·   | Prenar 330- 0:1 19 :- 3-3 :c= 0.1  | 4103 200  | VI<br>VI<br>Virayne<br>O' suranni   |
|                | Amocii<br>070265  | 4 41-1<br>346-16<br>9 8 6-344<br>- 0 8 6-344<br>- 0 8 6-344<br>- 0 8 6-344<br>- 0 8 6-344<br>- 0 8 6-344<br>- 0 8 6-344<br>- 0 8 6-344<br>- 0 8 6-34<br>-  | 1   |  | 101011000 11100   | UnionTe: Luki'<br>6 gf 20gu mir m 9F<br>10- all   |
|                |   | Y SP MULTON  |   | j.   |   |   |