| 2   | -12: | 2501: | <b>;</b> |
|-----|------|-------|----------|
| 100 |      |       |          |

| DRILL       DEEPEN       PLUG BACK       8. Farm or Lease Name         OLINER       Mater Injection       SINTLE       MULTIPLE       Central Vacuum Unit         OLINER       Well       OLINER       Multiple       Central Vacuum Unit         2. Name of Operator       9. Well No.       93         3. Address of Operator       93       10. Field and Pool, or Wildcat         P. O. Box 3109       Midland, Texas 79702       Vacuum Grayburg-S.A.         4. Location of Well       UNIT LETTER       M       Located 10         NAD       136       FEET FROM THE West       time or stre.       31         AND       136       FEET FROM THE West       time or stre.       31       time 17-S         NAD       136       FEET FROM THE West       time or stre.       31       time 1.00         AND       136       FEET FROM THE West       time or stre.       31       time 1.00       20. Retary or C.T.         48001       Grayburg-S.A.       Rotary       20. Retary or C.T.       48001       Grayburg-S.A.       Rotary         At. Elevalions (Show whether DF, RT, etc.)       21A. Rind & Stotus Phen. Etch       21b. Littling Contractor       22. Approx. Date Work will start -   | NO. OF COPIES RECEIV   | ED            |          |                                       |               |  |            | <i>J</i>       | of Con Int     |   |           |
|--|------------------------|---------------|----------|---------------------------------------|---------------|--|------------|----------------|----------------|---|-----------|
| SAMP 1 L       SA. Indicate Type of Lease         U.S.G.S.       State Control         OPERATOR       S. State Oil 6 Gas Lease No.         APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK       7. Unit Agreement Name         APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK       7. Unit Agreement Name         It. Type of Well       DEEPEN       PLUG BACK         Mutriput       Ass       ornee Water Injection       Struct Mutriput         2. Mane of Operator       S. Well No.       93         3. Address of Operator       9. Well No.       93         4. Location of Well       Unit Letter M       Located 10       rest recent ret South         VIIT LETTER       M       Located 10       rest recent ret South       Located 12.         Asso 1136       rest recent ret South       Located 10.       rest recent ret South       Located 12.         Asso 1136       rest recent ret South       Located 12.       County       Leea         41. Elevations(Show whether DL, BL, etc.)       214. State State Plan, Etc.)       Clip. Littling Controt ret       20. Rotary or C.T.         41. Elevations(Show whether DL, BL, etc.)       214. State State Plan, Etc.)       Clip. Littling Controt ret       20. Rotary or C.T.   | DISTRIBUTION           |               |          | NEW MEX                               | ICO OIL CONS  | ERVATION C                             | OMMISSI    | ON             | Form C-101     |   |           |
| U.S.G.S.       start X       ret         LAND OFFICE   | SANTA FE               |               |          |                                       |               |  |            |                | Revised 1-1-65 |   |           |
| LAND OFFICE       S. Suce Oil 6 Gas Lease No.         OPERATOR       S. Suce Oil 6 Gas Lease No.         APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK       7. Unit Agreement Name         Is. Type of Work       7. Unit Agreement Name         b. Type of Well       B. Farm or Lease Name         OPERATOR       9. Well No.         S. Madress of Operator       93         Y. O. Box 3109       Midland, Texas 79702         Address of Operator       93         P. O. Box 3109       Midland, Texas 79702         Vacuum Grayburg-S.A.       10. Fred and Pool, or Wildcat         Ave 1136       FFFF FROM THE West         III Contraction (Weil)       INT LETTER         M. LOCATED       10. Fred and Pool, or C.C.         Ave 1136       FFFF FROM THE West         III Contraction (Medu whether DF, NT, etc.)       21A. Kind & Statue Plan, Rect.         Statue Of Contractor       21A. Kind & Statue Plan, Rect.         Statue Of Contractor       21A. Kind & Statue Plan, Rect.         All Elevations (Medu whether DF, NT, etc.)       21A. Kind & Statue Plan, Rect.  | FILE                   |               |          |                                       |               |  |            |                |                |   |           |
| OPERATOR         APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK         APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK         Name of Work         b. Type of Work         DRILL I DEEPEN         PLUG BACK         Numeric Weil         OPERATOR         OPERATOR <td>U.S.G.S.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>STATE X</td> <td>FEE</td> <td></td>   | U.S.G.S.               |               |          |                                       |               |  |            |                | STATE X        | FEE                                     |           |
| APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK       7. Unit Agreement Name         Ia. Type of Work       7. Unit Agreement Name         b. Type of Work       8. Farm or Lease Name         WELL       GAS         OTHER Water Injection       SINTLE X         WELL       OTHER Water Injection         SINTLE X       MULTIPLE         Central Vacuum Unit         WELL       OTHER Water Injection         SINTLE X       MULTIPLE         Central Vacuum Unit         93         3. Address of Operator         P. O. Box 3109         Midland, Texas 79702         Vacuum Grayburg-S.A.         A. Location of Well         UNIT LETTER       M         LocateD       OFFET FROM THE         Noo       1136         FEET FROM THE West       INFORMER         Line of States       214. State & States         Visct States  | LAND OFFICE            |               |          |                                       |               |  |            |                | 5. State Oil & | Gas Lease No.                           |           |
| Ia. Type of Weil       DRILL I DEEPEN       PLUG BACK       7. Unit Agreement Name         b. Type of Weil       CAS       0.14000 Water Injection       PLUG BACK       8. Farm or Lease Name         OLL I WELL       0.14000 Water Injection       SINGLE I WALTIPLE       Central Vacuum Unit         2. Name of Operator       9. Well No.       93         3. Address of Operator       93         3. Address of Operator       10. Field and Pool, or Wildcat         P. O. Box 3109       Midland, Texas 79702       Vacuum Grayburg-S.A.         4. Location of Well       UNIT LETTER       M       LocateD       10         AND       136       FFET FROM THE West       Line of SFC. 31       TAT.17-S       Ref. 35-E       NAMEM         AND       136       FFET FROM THE West       Line of SFC. 31       TAT.17-S       Ref. 35-E       NAMEM         AND       136       FFET FROM THE West       Line of SFC. 31       TAT.17-S       Ref. 35-E       NAMEM         AND       136       FFET FROM THE West       Line of SFC. 31       TAT.17-S       Ref. 35-E       NAMEM         AND       136       FFET FROM THE West       Line of SFC. 31       TAT.17-S       Ref. 35-E       NAMEM         AND       136       FFET FROM THE   | OPERATOR               |               |          |                                       |               |  |            |                |                |   |           |
| Ia. Type of Weil       DRILL I DEEPEN       DEEPEN       PLUG BACK       7. Unit Agreement Name         b. Type of Weil       Cas       0.14000       B. Farm or Lease Name         OLL I County       0.14000       SINGLE I County       B. Farm or Lease Name         OLL I County       0.14000       SINGLE I County       SINGLE I County       B. Farm or Lease Name         OLL I County       0.14000       SINGLE I County       SINGLE I County       SINGLE I County         2. Name of Operator       93       SINGLE I County       SINGLE I County       SINGLE I County         3. Address of Operator       IO. Field and Pool, or Wildcat       Vacuum Grayburg-S.A.         4. Location of Well       UNIT LETTER       M       Located       South       Line         AND       136       FEET FROM THE West       Line of STC. 31       THE FLORED COUNT       10. Field and Pool, or Wildcat         AND       136       FEET FROM THE West       Line of STC. 31       THE FLORED COUNT       12. County         Leea       11. Elevations (Show whether DF, RI, etc.)       21A. Kind & Status Pinc. Each       Still Littling Santrator       22. Approx. Date Work will start The County   |                        |               |          |                                       |               |  |            |                | IIIIII         | <u>IIIIIII</u>                          | $\Pi\Pi$  |
| DRILL       DEEPEN       PLUG BACK       8. Farm or Lease Name         OLL       GAS       OLHER       Water Injection       SINGLE       MULTIPLE       Central Vacuum Unit         OLL       WELL       OLHER       Water Injection       SINGLE       MULTIPLE       Central Vacuum Unit         2. Name of Operator       93       S. Well No.       93         3. Address of Operator       93       10. Field and Pool, or Wildcat       93         3. Address of Operator       10. Field and Pool, or Wildcat       93         4. Location of Well       UNIT LETTER       M       Locatep       10         web 136       FFET FROM THE West       Line of SFE. 31       TWP. 17-S       Ref.       35-E       NMEM         NND       136       FFET FROM THE West       Line of SFE. 31       TWP. 17-S       Ref.       35-E       NMEM         Lega       11. Elevations(Show whether DF, RT, etc.)       21A. Rind & Status Place level       21b. Liniting Contractor       20. Actary       20. Actary   | APPL                   | LICATION      | FOR PERM | AIT TO DRIL                           | L, DEEPEN     | , OR PLUG                              | BACK       |                |                |   |           |
| b. Type of Well       8. Farm or Lease Name         OIL       WELL       OTHER Water Injection       SINTLE X       MULTIPLE 20NE       Central Vacuum Unit         2. Name of Operator       93         3. Address of Operator       93         3. Address of Operator       10. Field and Pool, or Wildcat         P. O. Box 3109       Midland, Texas 79702       Vacuum Grayburg-S.A.         4. Location of Well       UNIT LETTER       M       Located       10         AND       1.36       FFET FROM THE       West       Line of stc. 31       TWP.17-S       Box. 35-E       NMPAN         AND       1.36       FFET FROM THE       West       Line of stc. 31       TWP.17-S       Box. 35-E       NMPAN         1.1.36       FFET FROM THE       West       Line of stc. 31       TWP.17-S       Box. 35-E       NMPAN         1.1.36       FFET FROM THE       West       Line of stc. 31       TWP.17-S       Box. 35-E       NMPAN         1.1. Elevations (Show whether DF, RT, etc.)       21A. Kind & Stotus Plue, Ecc.       S1B. Liniting Contractor       20. Fotary or C.T.         41. Elevations (Show whether DF, RT, etc.)       21A. Kind & Stotus Plue, Ecc.       S1B. Liniting Contractor       22. Approx. Date Work will start  | la, Type of Work       |               |          |                                       |               |  |            |                | 7. Unit Agreer | nent Name                               | <u></u>   |
| b. Type of Well       8. Farm or Lease Name         OIL       WELL       OTHER Water Injection       SINTLE X       MULTIPLE 20NE       Central Vacuum Unit         2. Name of Operator       93         3. Address of Operator       93         3. Address of Operator       10. Field and Pool, or Wildcat         P. O. Box 3109       Midland, Texas 79702       Vacuum Grayburg-S.A.         4. Location of Well       UNIT LETTER       M       Located       10         AND       1.36       FFET FROM THE       West       Line of stc. 31       TWP.17-S       Box. 35-E       NMPAN         AND       1.36       FFET FROM THE       West       Line of stc. 31       TWP.17-S       Box. 35-E       NMPAN         1.1.36       FFET FROM THE       West       Line of stc. 31       TWP.17-S       Box. 35-E       NMPAN         1.1.36       FFET FROM THE       West       Line of stc. 31       TWP.17-S       Box. 35-E       NMPAN         1.1. Elevations (Show whether DF, RT, etc.)       21A. Kind & Stotus Plue, Ecc.       S1B. Liniting Contractor       20. Fotary or C.T.         41. Elevations (Show whether DF, RT, etc.)       21A. Kind & Stotus Plue, Ecc.       S1B. Liniting Contractor       22. Approx. Date Work will start  | D.                     |               |          | DEE                                   |               |  | PLU        |                |                |   |           |
| 2. Name of Operator       9. Well No.         Texaco Inc.       93         3. Address of Operator       10. Field and Pool, or Wildcat         9. 0. Box 3109       Midland, Texas 79702         4. Location of Well       UNIT LETTER         M       LocateD         10. Field and Pool, or Wildcat         Vacuum Grayburg-S.A.         4. Location of Well         UNIT LETTER         M       LocateD         10. Field and Pool, or Wildcat         Vacuum Grayburg-S.A.         AND         13.36         FEET FROM THE West       Line of SEC. 31         FWF.17-S       RGE. 35-E         ND         13.36         FEET FROM THE West         Line of SEC. 31         FWF.17-S         RGE. 35-E         ND         12.36         FEET FROM THE West         Line of SEC. 31         FWF.17-S         RGE. 35-E         ND         12.36         FEET FROM THE West         Line of Sec. 31         FWF.17-S         RGE. 35-E         NO         Line of Show whether DF, RT, etc.)         21A. K   | b. Type of Well        |               |          |                                       |               |  |            | ·              | 8. Farm or Lea | ise Name                                |           |
| 2. Name of Operator       9. Well No.         Texaco Inc.       93         3. Address of Operator       10. Field and Pool, or Wildcat         9. 0. Box 3109       Midland, Texas 79702         4. Location of Well       UNIT LETTER         M       LocateD         10. Field and Pool, or Wildcat         Vacuum Grayburg-S.A.         4. Location of Well         UNIT LETTER         M       LocateD         10. Field and Pool, or Wildcat         Vacuum Grayburg-S.A.         AND         13.36         FEET FROM THE West       Line of SEC. 31         FWF.17-S       RGE. 35-E         ND         13.36         FEET FROM THE West         Line of SEC. 31         FWF.17-S         RGE. 35-E         ND         12.36         FEET FROM THE West         Line of SEC. 31         FWF.17-S         RGE. 35-E         ND         12.36         FEET FROM THE West         Line of Sec. 31         FWF.17-S         RGE. 35-E         NO         Line of Show whether DF, RT, etc.)         21A. K   | OIL<br>WELL            | GAS UELL      | OTHER    | Water In                              | njection      | SINGLE X                               | м          | ZONE           | Central        | Vacuum                                  | Unit      |
| 3. Address of Operator       10. Field and Pool, or Wildcat         P. O. Box 3109       Midland, Texas 79702         4. Location of Well       UNIT LETTER         M       LOCATED         10       FEET FROM THE         South       LINE         AND       1.36         FEET FROM THE       West         LINE       12. County         Lea       13. Frequence Leads         All. Elevations (Show whether DF, RT, etc.)       214. Kind & Statue Plue, include         Count       22. Approx. Date Work will start   | 2. Name of Operator    |               |          | · · · · · · · · · · · · · · · · · · · |               |  |            |                | 9. Well No.    | *************************************** | ···-      |
| P. O. Box 3109 Midland, Texas 79702 Vacuum Grayburg-S.A.<br>Location of Well UNIT LETTER M LOCATED 10 FEET FROM THE South LINE<br>AND 136 FEET FROM THE West LINE OF SEC. 31 TWP.17-S RGE. 35-E NMPM 12. County<br>Lea<br>Lea<br>10 Located Line of SEC. 31 TWP.17-S RGE. 35-E NMPM 12. County<br>Lea<br>12. County<br>Lea<br>13. Elevations (Show whether DF, RT, etc.) 21A. Kind & Status Plus. Ison 20B. Unling Constants   | Texaco Inc             | •             |          |                                       |               |  |            |                | 93             |   |           |
| A. Location of Well UNIT LETTER M LOCATED 10 FEET FROM THE South LINE<br>AND 136 FEET FROM THE West LINE OF SEC. 31 TWP. 17-S RGE. 35-E NMPM 12. County<br>Lea<br>12. County<br>Lea<br>14. Elevations (Show whether DF, RT, etc.) 21A. Kind & Status Phys. Rech. 21b. contractor 22. Approx. Date Work will start -  | 3. Address of Operator |               |          |                                       |               |  |            |                | 10. Field and  | Pool, or Wildca                         | t         |
| UNIT LETTER M LOCATED 10 FEET FROM THE SOULIN LINE<br>AND 136 FEET FROM THE West LINE OF SEC. 31 TWP. 17-S RGE. 35-E NMPM<br>Lea<br>12. County<br>Lea<br>13. Formation 20. Ectary or C.T.<br>4800' Grayburg-S.A. Rotary<br>14. Elevations (Show whether DF, RT, etc.) 21A. Kind & Status Phys. Rotal Clib. Litiling Contractor 22. Approx. Date Work will start -  | P. O. Box              | 3109          | Midla    | nd, Texa                              | as 79703      | 2                                      |            |                | Vacuum G       | rayburg                                 | -S.A.     |
| AND 11.36 FEET FROM THE West LINE OF SEC. 31 TWF. 17-S REP. 35-E NMPH 12. County<br>Lea<br>12. County<br>Lea<br>14. Elevations (Show whether DF, RT, etc.) 21A. Kind & Status Phys. Rech. 21B. Litiling Contractor 22. Approx. Date Work will start -  | 4. Location of Well    | UNIT LETTER   | М        | LOCATED                               | 10            | FEET FROM THE                          | Sout       | h une          |                | MIM                                     | 1111      |
| 12. County         Lea         12. stupped depth         12. stup  |                        |               |          |                                       |               |  |            | L166           |                |   | /////     |
| 12. County         Lea         13. Freport cepts         13. Freport cepts         13. Formation         20. Rotary or C.T.         4800 !         Grayburg-S.A.         Rotary         22. Approx. Date Work will start   | AND 136 F              | EET FROM THE  | West     | LINE OF S                             | FC. 31        | TWP.17-S                               | RGE.       | 35-E NMPM      |                |   |           |
| 12. stupdet weptic       19. stupdet weptic       19. stupdet weptic       19. strupdet weptic <td></td> <td>IIIII</td> <td>TIIII.</td> <td><u> IIIIII</u></td> <td><u>IIIIII</u></td> <td><u>IIIIII</u></td> <td>IIII</td> <td><u>(())(()</u></td> <td>12. County</td> <td>, MULL</td> <td>11111</td> |                        | IIIII         | TIIII.   | <u> IIIIII</u>                        | <u>IIIIII</u> | <u>IIIIII</u>                          | IIII       | <u>(())(()</u> | 12. County     | , MULL                                  | 11111     |
| 12. stupdet weptic       19. stupdet weptic       19. stupdet weptic       19. strupdet weptic <td></td> <td>///////</td> <td>MMM</td> <td></td> <td>HHHHH</td> <td>HHHH</td> <td>IIII</td> <td></td> <td>Lea</td> <td></td> <td>/////</td>  |                        | ///////       | MMM      |                                       | HHHHH         | HHHH                                   | IIII       |                | Lea            |   | /////     |
| Al. Elevations (Show whether DF, RT; etc.) 21A. Kind & Status Phys. Retail 21B. Erilling Contractor 22. Approx. Date Work will start -   |                        | IIIIII        | TTTTTT   | TTTTTT                                | MMM           | <u>IIIIII</u>                          | 1117       | <u>TTTTTT</u>  | THIM .         | MMM                                     | m/m       |
| Al. Elevations (Show whether DF, RT; etc.) 21A. Kind & Status Phys. Retail 21B. Erilling Contractor 22. Approx. Date Work will start -   |                        | ///////       | //////   |                                       | MMMM          | iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii | IIII       |                |                |   | /////     |
| 21. Elevations (Show whether DF, RT, etc.) 21A. Kind & Status Plum. Ecchi 21B. Erilling Contractor 22. Approx. Date Work will start <  |                        | IIIIII        | IIIII    | IIIIII                                | <u>IIIIII</u> | 13. Fripsen.                           | Septi.     | 19A. Formation |                | 0. Fictary or C.                        |           |
| 22. Approx. Date Work will start -   |                        | ///////       |          |                                       | MMMM          | 48001                                  |            | Graybur        | g-S.A.         | Rotarv                                  |           |
| <u>39821 GR</u> 11-25=77   |                        | hether DF, RT | etc.) 2  | IA. Kind & Star                       | us Plun, Bend | 21B. Lrilling                          | Contractor |                | 22. Approx. 1  | Date Work will s                        | start - 🦳 |
|  | <u>39821 GR</u>        |               |          |                                       |               |  |            |                | 11-2           | 5=77                                    |           |

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP  |
|--------------|----------------|-----------------|---------------|-----------------|-----------|
| 11"          | 8 5/8"         | 24#K-55 STC     | 3501          | 200 sx          | Circulate |
| 7.7/8"       | 4 1/2"         | 10.5#K-55STC    | 4800 '        | 2800 sx         | Circulate |
|              |                |                 |               |                 | •         |
|              |                |                 |               |                 |           |

Surface Casing: 200 sx class "C" w/2% Cacl, 14.8#/gal < 300% to circulatecement must circulate.

Production Casing: Cement first stage w/250 sx Halliburton Lite w/5#/sxGilsonite & 8#/sx salt followed by 500 sx class "C" cement with 8#/sxsalt &  $\frac{1}{2}\%$  CFR-2: open DV tool @ 2500' circulate 4-6 hrs. Second stage 1800 sx Halliburton Lite w/18% salt + 250 sx class "C" cement w/18% salt.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUC-TIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify the information above is true and complete to the best of my knowledge and belief. TuleAssistant Div. Petr. Engr. Date 11-10-77 112 State Use, SUPERVISOR DISTRICT JAN 9 1978 PROVED R

## NEW 1 ICO OIL CONSERVATION COMMISSION WELL LUCATION AND ACREAGE DEDICATION PLAT

|                             |                                     | •   | e from the outer boundarie | e of the Section           | Fliedlive 14-02  |
|-----------------------------|-------------------------------------|---|----------------------------|----------------------------|--|
| Operator                    |                                     | An distances must b                           | Lease                      | B of the Section.          | Well No.   |
| Texaco In                   | C .                                 |   | Central Va                 | Jun Init                   | 93   |
| Unit Letter                 | Section                             | Township                                      | Range                      | County                     |  |
| М                           | 31                                  | T-17-S  | R-35-E                     | Lea                        |  |
| Actual Footage Loc          | ation of Well;                      |   |                            |                            |  |
| 10                          |                                     | uth line an                                   |                            | feet from the West         |  |
| Ground Level Elev:<br>39821 | Producing For<br>Gravburg           | San Andres                                    | Pool Vacuum<br>San And     | Grayburg-<br>lres          | Dedicated Acreage:<br>40 Acres   |
| 1. Outline th               |                                     |   | well by colored pend       |                            |  |
|                             | an one lease is<br>nd royalty).     | dedicated to the w                            | ell, outline each and      | identify the owners        | hip thereof (both as to working  |
|                             |                                     | ifferent ownership i<br>nitization, force-poo |                            | ell, have the interes      | ts of all owners been consoli-   |
| [] Yes                      | No If an                            | nswer is "yes," type                          | of consolidation           |                            |  |
| this form i<br>No allowat   | f necessary.)<br>de will be assigne | ed to the well until a                        | all interests have be      | en consolidated (by        | solidated. (Use reverse side of<br>communitization, unitization,<br>been approved by the Commis-   |
|                             |                                     |   |                            |                            | ·····  |
|                             | 1                                   |   | 1                          | E                          | CERTIFICATION  |
|                             |                                     |   |                            | tai.                       | ereby certify that the information con-<br>ned herein is true and complete to the<br>it of my knowledge and belief.  |
|                             | <del> </del><br> <br> <br>          |   | <br> <br> <br>             | Comp                       | L. Eiland<br><sup>ion</sup><br>.vision Surveyor<br><sup>ony</sup>  |
|                             | l                                   |   | I                          |                            | exaco Inc.   |
|                             | 1                                   |   | 1                          | רר <b>ב</b>                | -10-77   |
|                             | <u> </u>                            | (31)  | <br>                       |                            |  |
|                             |                                     |   |                            | sha<br>not<br>und<br>is    | ereby certify that the well location<br>wn on this plat was plotted from field<br>es of actual surveys made by me or<br>er my supervision, and that the same<br>true and correct to the best of my<br>wledge and belief. |
| 9 <sup>88</sup><br>1136'    | 0 87                                | retreal Vacuum                                | Unit                       | 11<br>Regis<br>and/o<br>B, | Surveyed<br>-7-77<br>tered Professional Engineer<br>r Land Surveyor<br>A. E. Land<br>I. Eiland   |
|                             | passespa                            |   |                            |                            | icate No.  |
| 0 330 660 's                | 0 1320 1650 1980                    | 2310 2640 20                                  | 00 1500 1000               | BOQ 0 43                   | <u>öb</u>  |



187 619

| COUNTY IEA FIELD<br>CPR SHELL OIL CO.<br>2 State "D"<br>Soc 21  | Vacuum                     | ST,            | OWWO<br>ATEM MN 20.<br>M | 339<br>AP |
|---|----------------------------|----------------|--------------------------|-----------|
| <u>Sec 31, T-17-S, R-3</u><br>760' FSL, 560' FWL<br><u>Re-Spd 1-25-71</u><br><u>Re-Cmp 1-29-71</u><br><u>csc # sx - TUBING</u><br>8 5/8" at 1562' w/500 sx<br>5 1/2" at 6899' w/450 sx. | 5-E<br>of Sec<br>Formation | CLASS<br>DATUM | CO.C.                    |           |
| LOUS EL GR RA IND HC A  |                            |                |                          |           |
| (Glorieta) Perfs 5990-6156  | TD 6900';<br>NO NEW POT    | PBD 6860'      |                          |           |

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|---|---------------------------------------|
| reproduction rights reserved by Wall  |                                       |
| Reproduction rights reserved by Williams & Lee Scouting Service, Inc.   | والمتحديد والمتحالية وبالمتحا المتحاك |
| PROP DEPTH 6156'  |                                       |
| UP DEPTH 0130 TYP   | e WO                                  |

| 3 ~2 ~71 | F.R.C. 3-4-71; Opr's Elev. 3994' DF<br>FD 6156' WO (Glorieta)<br>(Orig. comp 2-24-64 thru (Glorieta) Perfs 5990-<br>6070', OTD 6900', OPB 6103')<br>TD 6900'; PBD 6860'; COMPLETE<br>Drilled out to 6900' |
|----------|---|
|          | Perf (Cloriston and   |
|          | w/1 SFT $0132'$ , $6145'$ , $6148'$ , $6153'$ , $6120'$   |
| 3-4-71   | Acid (3990-6156') 10,000 gals (15% NEA)<br>COMFLETION REPORTED  |

111、1111年後天王記:

| <u></u>                                | <u>асиит</u><br>5-Е  | <u> </u>  | TATE N.M. | AP    |
|--|--|-----------|-----------|-------|
| 700' fr S Line & 560                   | ' fr W Line o  | of See    | C0.0      | RD    |
|  |  |           |           |       |
| Completed 2-24-64                      | FORMATION  | CLASS     | E         | 39942 |
| CSG & SX - TUBING                      | LOG:   | DATUM     | FORMATION | DATUM |
| 8 5/8'' 1562' 500<br>5 1/2'' 6899' 450 | <u>Yates 2830</u><br>7-R 3139<br>Queen 3710                            |           |           |       |
| LOGS EL GR RA IND HC A                 | <u>SA 4314</u><br><u>Glor 5877</u><br><u>Padd 5987</u><br>TD 6900', PE | 3D 6103 ' |           |       |

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IP Paddock Perfs 5990-6070' Flwd 221 BOPD. Pot. Based on 13 hr test of 120 BO thru 16/64" chk. TP 250#, Gravity 38.6, GOR 650.

| CONT.<br>DATE | Distribution limited and publication prohibited by subscribers' agreement.<br>Reproduction rights reserved by Williams & Lee Scouting Service, Inc.<br>PROP DEPTH 6900 ' TYPE |
|---------------|---|
|               |   |

F.R. 12-19-63; Oper's Elev. 3994' DF PD 6900' - Blinebry 2-10-64 Drlg. 4680'. 2-17-64 Drlg. 6585'. 2-24-64 TD 6900', PBD 6103', COMPLETED. Perf @ 5990', 5991', 5997', 5998', 6000', 6002', 6015', 6016', 6020', 6021', 6025', 6027', 6032', 6033', 6039' & 6070' W/1 SPI. Ac. 1500 gals. LOG TOPS: Blinebry 6569'