| Form \$-881 C                    |   | <u></u>              |             | COPY (Other instr<br>OFL CONS. CO<br>awer DD<br>tesia, NM 88 | TRIPLI                                | • Form approv  | ed.  |
|----------------------------------|---|----------------------|-------------|--|---------------------------------------|--|--|
| (May 1965).                      | UN  | n o State            | SC.D.       | COP L(Other instr  | uctions on                            | Budget Burea   | u No. 42-R1425.  |
|                                  | DEPARTME  | NT OF THE            | NTER        | IOR CONS. CO   | MMIDDIC                               | 2-015-2  | 23939  |
| A 1 C                            | 🖵 GEOL  | OGICAL SURV          | EY Dr       | awer DD  | 210                                   | 5. LEASE DESIGNATION                                 | AND SERIAL NO.   |
|                                  |   |                      |             | tesia, NM 88   |                                       | 6. IF INDIAN, ALLOTTE                                | F OD TRIDE NAME  |
|                                  | ION FOR PERMIT  | TO DRILL,            | DEEPE       | N, OR PLUG   | BACK                                  |  | S OF TRIDE NAME  |
| 1a. TYPE OF WORK                 |   | DEEPEN               |             | PLUG BA  |                                       | 7. UNIT AGREEMENT                                    | NAME   |
| b. TYPE OF WELL                  |   |                      |             |  |                                       |  |  |
| WELL                             | GAS<br>WELL X OTHER   |                      | ZON         | E X ZONE   |                                       | 8. FARM OR LEASE                                     | ME   |
| 2. NAME OF OPERAT                |   |                      |             | 19   |                                       | Federal CM Co  | m  |
| AMOCO Prod<br>3. Address of open | uction Company  |                      | ·           | REG  | EIVED                                 | 9. WELL NO.  |  |
| P O Box                          | 68, Hobbs, NM   |                      |             |  | 1                                     | 10 FIELD AND POOL,                                   | OR WILDCAT   |
| 4. LOCATION OF WE                | LL (Report location clercin d                                 | nd in accordance wi  | th any St   | ate requiremente )?  | 5 1981 U                              | Happy Valley   |  |
|                                  | 60' FSL x 1980 FV   |                      |             |  |                                       | 11. SEC., T., B., M., OB                             | BLK.   |
| At proposed pro                  | d. zone (Unit N SE/   | '4, SW/4)            |             | 0. C   | . D.                                  | AND SUBVEY OR A                                      | REA /  |
| 14                               |   |                      |             | ARTESIA  |                                       | 20-22-26 U   | //   |
|                                  | LES AND DIRECTION FROM N                                      | EAREST TOWN OR POS   | T OFFICE*   |  |                                       | 12. COUNTY OR PARISH                                 |  |
| 10. DISTANCE FROM                |   |                      | 16. NO.     | OF ACRES IN LEASE  | 117 10                                | Eddy   | NM   |
| LOCATION TO NE<br>PROPERTY OF LE | ASE LINE, FT.   |                      |             |  | TOT                                   | HIS WELL   |  |
| 18. DISTANCE FROM                | PROPOSED LOCATION*  |                      | 19. PRO     | POSED DEPTH  | 20. BOTA                              | O<br>RY OR CABLE TOOLS                               |  |
|                                  | LL, DRILLING, COMPLETED,<br>On this lease, ft.                |                      | 11.5        | 00   |                                       | otarv  | 2  |
| 21. BLEVATIONS (Sho              | w whether DF, RT, GR, etc.)                                   |                      |             | 00   | <u>_1 I</u>                           | 22. APPROX. DATE WO                                  | RK WILL START*   |
|                                  |   |                      |             |  |                                       | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                |  |
| 23.                              |   | PROPOSED CASH        | NG AND      | CEMENTING PROGI  | AM                                    |  |  |
| SIZE OF HOLE                     | SIZE OF CASING  | WEIGHT PER F         | 00T         | SETTING DEPTH  | 1                                     | QUANTITY OF CEMEI                                    | <br>NT   |
| 17-3                             | 13-3/8  | 48#                  |             | 700  | ci                                    |  |  |
| 12-1/2                           | 9-5/8   | 36#                  |             | 2900   | Ċi                                    | rc   |  |
| 8-3/4                            | 5-12  | 20# 17#              |             | 11600  |                                       | o 500' above B                                       | one Spring   |
|                                  | •   | ł                    | 1           |  | '(App.                                | 4495)  | 3  |
| Pronose to                       | drill and equip w   | all in the M         | Iorrow      | Formation  | Aftor r                               | eaching TD lo  | ac will  |
| be run and                       | evaluated. Perfo  | rate and sti         | imulat      | e as necessar  | v in at                               | tempting rD, TO                                      | ys will<br>ercial  |
| production.                      |   |                      |             |  | j uu                                  | comporting comme                                     |  |
|                                  | ogram: 0-2900 Na  |                      |             |  |                                       |  |  |
|                                  | 2900-TD Cc  | mmercial muc         | 1 and 1     | brine with mi  | nimum p                               | roperties for  | safe   |
|                                  |   |                      |             | ill raise vis  |                                       | and tradence with                                    | tern al  |
|                                  |   | chaelogical          |             | w penetration  |                                       | 15 Carase A  | in the second  |
|                                  |   | s is not dec         |             |  | []                                    | CED to the   | Y T THE  |
|                                  |   | P program at         |             |  | <u></u>                               | SEP 16 198   | 1 JUL AVE  |
| C                                | AS is DEDICH  | 74.0.                |             |  |                                       |  | safe<br>ter<br>Postel 1<br>API + NL<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 |
| Ś                                | AS IS ORDICF  |                      |             |  | (                                     | IL & GAS   | IRVEV  |
|                                  | •   |                      |             |  |                                       | ROSWELL, NEW ME                                      | XICO   |
| IN ABOVE SPACE DEST              | CEIBE PROPOSED PROGRAM : If<br>s to drill or deepen direction | proposal is to deep  | en or plu   | g back, give data on j                                       | present prod                          | ictive sone and propose                              | d new productive   |
| preventer program, i             | if any.   | many, give percinent | uata OD     | BUDSUITACE IOCATIONS &                                       | na measured                           | and true vertical depth                              | s. Give blowout  |
| 24.                              |   | 1                    |             |  |                                       |  |  |
| SIGNED MC                        | uk Kandalp  | h                    | LE          | Asst. Admin.   | <u>Analyst</u>                        | DATE 9-9-8   | 1  |
| (This space <u>for</u>           | Federal or State office use)                                  |                      |             |  |                                       |  |  |
|                                  | APPROVED  | i                    |             |  |                                       |  |  |
| PERMIT NO.                       |   |                      | AB          | PROVAL DATE  | · · · · · · · · · · · · · · · · · · · |  |  |
| APPROVED BY                      | Sed.) GEORGE H. ST  | EWANT                |             |  |                                       |  | ж. <u>.</u> .  |
| CONDITIONS OF AP                 | PROVATSE 123 1901   | CWARI TIT            | Lud <u></u> |  |                                       | DATE   |  |
| 1                                | FOR   | 1                    |             |  |                                       | алан (т. 1997)<br>Салан (т. 1997)<br>Салан (т. 1997) |  |
|                                  | ALAMHOUA CHOUSON  | 1-MDR 1-W S          | Staffor     | rd. Hou  |                                       |  |  |

DISTRICT SUPERVISOR \*See Instructions On Reverse Side

# NE EXICO OIL CONSERVATION COMMISSIC

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į.

| ,<br>,   |  |  | XICO OIL CO<br>CATION AND                        |                            |                                  |                       |   | 1.<br>1.<br>1.                                |   | -102<br>Ides C-128<br>Ve 1-1-65 |
|--|--|--|--|----------------------------|----------------------------------|-----------------------|---|---|---|---------------------------------|
|  |  | All distanc                                  | es must be from                                  | the oute                   | r boundaries of                  | the Section           | n.  |   |   |                                 |
| Operator<br>AMO  | CO PRODUCTION  | I COMPANY                                    | . L•   | rase<br>Fl                 | EDERAL C.N                       | N. COM.               |   |   | Well No.  |                                 |
| Unit Letter<br>N   | Section 20   | Township<br>22                               | 2 South  | Range<br>2(                | ó East                           | County                | Eddy  |   | · · · · · · · · · · · · · · · · · · ·   |                                 |
| Actual Footage Loca<br>2080  | ttion of Well:<br>feet from the Wes                                      | t  | line and   | 660                        | fac                              | from the              | South                                       |   |   |                                 |
| Ground Level Elev.   | Producing For  | mation<br>TTOW                               | Po   | NAM                        |                                  |                       |   | Dedicat                                       | ed Acreage:   |                                 |
| <u>3368.6</u><br>1. Outline the  | e acreage dedica   | ويتعاديه فتتحدث والمتعاد                     | subject well                                     | by cold                    | Happy Va                         |                       |   | · · · · · · · · · · · · · · · · · · ·         | 120<br>helaw  | Acres +                         |
| <ol> <li>If more the interest an</li> <li>If more the dated by common the date</li></ol> | an one lease is<br>d royalty).<br>n one lease of di<br>ommunitization, u | dedicated t<br>ifferent own<br>nitization, f | to the well, o<br>ership is ded<br>orce-pooling. | utline o<br>icated<br>etc? | each and iden<br>to the well, l  | ntify the             | ownership t<br>interests of                 | hereof (<br>811 ow                            | both as to v<br>ners been c   |                                 |
| Yes Yes  | No If an   | swer is "ye                                  | sa;" type of co                                  | onsolid                    | ation                            |                       | Communi                                     | tizati  | on  |                                 |
| If answer i<br>this form if  | s "no," list the a necessary.)   | owners and                                   | tract descript                                   | ions w                     | hich have ac                     | tually be             | en consolid                                 | ated. (U                                      | se reverse  | side of                         |
| No allowab   | le will be assigne<br>ing, or otherwise)                                 | d to the well<br>or until a no               | ll until all int<br>on-standard ur               | terests<br>nit, elir       | have been c<br>ninating such     | onsolida<br>n interes | ted (by com<br>ts, has been                 | munitiz<br>approv                             | ation, uniti<br>ed by the C   | zation,<br>ommis-               |
|  | 1  |  |  |                            |                                  | 1                     |   | CERTI   | FICATION  |                                 |
| Атосо  | Oil Corp.  | ST<br>4.2708<br>4.6875<br>1.0417<br>0.00%    |  | 1                          |                                  |                       | tained he                                   | rein is tru                                   | at the informat<br>ue and complet<br>lige and belief.   | e to the                        |
| Royalty:<br>United Stat  | es Government  | t  |  |                            |                                  |                       | Position<br>Company<br>Amoco F<br>Date      | e gebreek                                     | <u>itcker</u><br>min. Anal<br>tion Comp<br>-81  | yst                             |
|  |  |  |  | Contract                   |                                  |                       |   |   |   |                                 |
|  |  |  | Felmont Oj                                       | NGINE                      | Felmont<br>Jac<br>ER & LAN<br>Er | e tra                 | shown on<br>notes of a<br>under my s        | this plat<br>actual su<br>supervisiond correc | hat the well I<br>was plotted fro<br>rveys made by<br>on, and that th<br>of the the best<br>ef. | om field<br>me qr<br>ie same    |
| Amoco<br>NM-34246<br>2080  | 66   | 0'   | KEG.   |                            |                                  | Imont                 | Date Surveys<br>Registered F<br>and/or Land | 9/1<br>Profession                             | 17/81<br>sal Engineer   | •                               |
| 23G 88G 18   | 1320 1680 1880   | 2310 2040                                    | 2000   | 3000                       | Jade Ener                        |                       | Curtificate N                               | PATRI<br>Pongk                                | R. WEET   | 670<br>6063<br>3239             |

|  | ومسر و کور<br>همه مصبح می از انداز کار در در م   | NATSSIA   |   |                                       |   |
|--|--|---|---|---------------------------------------|---|
|  | NM OIL CONS. CO  | )MMISSION.  |   |                                       |   |
|  | Drawer DD  | -   |   |                                       |   |
| Form 9–331<br>Dec. 1973  | Artesia, NM 88   | 8210  |   | Form Appro                            | ved.<br>au No. 42–R1424   |
|  | UNITED ST  | ATES  | 5. LEASE  | Ducket Dure                           |   |
|  | DEPARTMENT OF T  | HE INTERIOR   | NM-34246  |                                       | · · · ·   |
|  | GEOLOGICAL S   | SURVEY  | 6. IF INDIAN,   | ALLOTTEE OR T                         | RIBE NAME   |
| SUNDR  | Y NOTICES AND R  | REPORTS ON WELLS  | 7. UNIT AGRE  | EMENT NAME                            |   |
| (Do not use this reservoir. Use F  | s form for proposals to drill or t<br>orm 9–331–C for such proposals   | to deepen or plug back to a differe   | nt 8. FARM OR L   | FACE MANE                             |   |
| 1. oil 🗂   |  |   | Federal Cl  |                                       |   |
| well   | gas<br>well X other  |   | 9. WELL NO.   |                                       |   |
|  | F OPERATOR   |   | 1   |                                       |   |
|  | Production Compan  |   | 10. FIELD OR V  | VILDCAT NAME<br>ley Morrow            | -   |
|  | BOX 68, Hobbs,   | NM 88240  |   | , M., OR BLK. A                       |   |
| and the second sec |  | ATION CLEARLY. See space 1  |   | LAL-N                                 | AD SURVET UN  |
| below.)  |  | 2080' FWL, Unit N   | 20-22-26  |                                       |   |
| AT SURF  |  | . 20, T-22-S, R-26-E  | 12. COUNTY OF   |                                       |   |
|  | L DEPTH:   | -,, -,  | <u>Ēddy</u><br>14. API NO.  | <u> </u>                              | IM  |
|  |  | DICATE NATURE OF NOTICI   |   |                                       |   |
| REPORT,  | OR OTHER DATA  | · · · · · · · · · · · · · · · · · · ·   | 15. ELEVATION   |                                       | KDB, AND WD)  |
| REOUEST FO   | R APPROVAL TO:   | SUBSEQUENT REPORT OF:   | <u>3368.6' G</u>  |                                       | ······  |
| TEST WATER   | · —  |   |   |                                       |   |
| FRACTURE T   |  |   | SUVUSIII  |                                       | RECEIV  |
| SHOOT OR A<br>REPAIR WELL  |  |   | (NOTE: PRACE  | esults of multiple o                  |   |
| PULL OR AL   | TER CASING   | SEP   | 22 1981 991   | on Form 9–330.)                       |   |
| MULTIPLE CO  |  |   |   |                                       | SEP 251   |
| CHANGE 708   |  |   |   |                                       |   |
| CHANGE ZON<br>ABANDON*   |  |   | L& GAS  |                                       |   |
|  | Name change  | US GEOL   | OGICAL SURVEY   |                                       | O. C. D.  |
| ABANDON*<br>(other)<br>17. DESCRIB   | Name change  | U.S. GEOL<br>ROSWELL  | OGICAL SURVEY<br>, NEW MEXICO   | tails, and give                       | O. C. D.<br>ARTESIA, OFFI   |
| ABANDON*<br>(other)<br>17. DESCRIB<br>including  | Name change<br>BE PROPOSED OR COMPLE<br>sestimated date of starting  | U.S. GEOL<br>ROSWELL<br>TED OPERATIONS (Clearly st<br>any proposed work. If well is   | OGICAL SURVEY<br>, NEW MEXICO<br>rate all pertinent de<br>directionally drilled   | tails, and give<br>, give subsurfac   | O. C. D.<br>ARTESIA, OFF  |
| ABANDON*<br>(other)<br>17. DESCRIB<br>including  | Name change<br>BE PROPOSED OR COMPLE<br>sestimated date of starting  | U.S. GEOL<br>ROSWELL  | OGICAL SURVEY<br>, NEW MEXICO<br>rate all pertinent de<br>directionally drilled   | tails, and give  <br>, give subsurfac | O. C. D.<br>ARTESIA, OFF  |
| ABANDON*<br>(other)<br>17. DESCRIB<br>including<br>measured  | Name change<br>Name change<br>BE PROPOSED OR COMPLE<br>gestimated date of starting<br>d and true vertical depths fo  | U.S. GEOL<br>ROSWELL<br>TED OPERATIONS (Clearly st<br>any proposed work. If well is<br>or all markers and zones pertir  | OGICAL SURVEY<br>, NEW MEXICO<br>rate all pertinent de<br>directionally drilled<br>tent to this work.)*                     | , give subsurfac                      | O. C. D.<br>ARTESIA, OFFI<br>pertinent dates,<br>te locations and             |
| ABANDON*<br>(other)<br>17. DESCRIB<br>including<br>measured<br>Name c  | Name change<br>Name change<br>E PROPOSED OR COMPLE<br>sestimated date of starting<br>d and true vertical depths for<br>hanged from Federa  | U.S. GEOL<br>ROSWELL<br>TED OPERATIONS (Clearly st<br>any proposed work. If well is<br>or all markers and zones pertir  | OGICAL SURVEY<br>, NEW MEXICO<br>ate all pertinent de<br>directionally drilled<br>tent to this work.)*                      | , give subsurfac                      | O. C. D.<br>ARTESIA, OFFI<br>pertinent dates,<br>te locations and             |
| ABANDON*<br>(other)<br>17. DESCRIB<br>including<br>measured<br>Name c  | Name change<br>Name change<br>E PROPOSED OR COMPLE<br>sestimated date of starting<br>d and true vertical depths for<br>hanged from Federa  | U.S. GEOL<br>ROSWELL<br>TED OPERATIONS (Clearly st<br>any proposed work. If well is<br>or all markers and zones pertir  | OGICAL SURVEY<br>, NEW MEXICO<br>ate all pertinent de<br>directionally drilled<br>tent to this work.)*                      | , give subsurfac                      | O. C. D.<br>ARTESIA, OFFI<br>pertinent dates,<br>te locations and             |
| ABANDON*<br>(other)<br>17. DESCRIB<br>including<br>measured<br>Name c  | Name change<br>Name change<br>E PROPOSED OR COMPLE<br>sestimated date of starting<br>d and true vertical depths for<br>hanged from Federa  | U.S. GEOL<br>ROSWELL<br>TED OPERATIONS (Clearly st<br>any proposed work. If well is<br>or all markers and zones pertir  | OGICAL SURVEY<br>, NEW MEXICO<br>ate all pertinent de<br>directionally drilled<br>tent to this work.)*                      | , give subsurfac                      | O. C. D.<br>ARTESIA, OFFI<br>pertinent dates,<br>te locations and             |
| ABANDON*<br>(other)<br>17. DESCRIB<br>including<br>measured<br>Name c  | Name change<br>Name change<br>E PROPOSED OR COMPLE<br>sestimated date of starting<br>d and true vertical depths for<br>hanged from Federa  | U.S. GEOL<br>ROSWELL<br>TED OPERATIONS (Clearly st<br>any proposed work. If well is<br>or all markers and zones pertir  | OGICAL SURVEY<br>, NEW MEXICO<br>ate all pertinent de<br>directionally drilled<br>tent to this work.)*                      | , give subsurfac                      | O. C. D.<br>ARTESIA, OFFI<br>pertinent dates,<br>te locations and             |
| ABANDON*<br>(other)<br>17. DESCRIB<br>including<br>measured<br>Name c  | Name change<br>Name change<br>E PROPOSED OR COMPLE<br>sestimated date of starting<br>d and true vertical depths for<br>hanged from Federa  | U.S. GEOL<br>ROSWELL<br>TED OPERATIONS (Clearly st<br>any proposed work. If well is<br>or all markers and zones pertir  | OGICAL SURVEY<br>, NEW MEXICO<br>ate all pertinent de<br>directionally drilled<br>tent to this work.)*                      | , give subsurfac                      | O. C. D.<br>ARTESIA, OFFI<br>pertinent dates,<br>te locations and             |
| ABANDON*<br>(other)<br>17. DESCRIB<br>including<br>measured<br>Name c  | Name change<br>Name change<br>E PROPOSED OR COMPLE<br>sestimated date of starting<br>d and true vertical depths for<br>hanged from Federa  | U.S. GEOL<br>ROSWELL<br>TED OPERATIONS (Clearly st<br>any proposed work. If well is<br>or all markers and zones pertir  | OGICAL SURVEY<br>, NEW MEXICO<br>ate all pertinent de<br>directionally drilled<br>tent to this work.)*                      | , give subsurfac                      | O. C. D.<br>ARTESIA, OFFI<br>pertinent dates,<br>te locations and             |
| ABANDON*<br>(other)<br>17. DESCRIB<br>including<br>measured<br>Name cl<br>from 660' FSI  | Name change<br>Name change<br>E PROPOSED OR COMPLE<br>sestimated date of starting<br>d and true vertical depths for<br>hanged from Federa<br>L X 1980' FWL to 6  | U.S. GEOL<br>ROSWELL<br>TED OPERATIONS (Clearly st<br>any proposed work. If well is<br>or all markers and zones pertir<br>1 CM Com. #1 to Fede<br>60' FSL X <b>29</b> 80' FWL   | OGICAL SURVEY<br>, NEW MEXICO<br>ate all pertinent de<br>directionally drilled<br>tent to this work.)*                      | , give subsurfac                      | O. C. D.<br>ARTESIA, OFFI<br>pertinent dates,<br>te locations and             |
| ABANDON*<br>(other)<br>17. DESCRIB<br>including<br>measured<br>Name c  | Name change<br>Name change<br>E PROPOSED OR COMPLE<br>sestimated date of starting<br>d and true vertical depths for<br>hanged from Federa  | U.S. GEOL<br>ROSWELL<br>TED OPERATIONS (Clearly st<br>any proposed work. If well is<br>or all markers and zones pertir<br>1 CM Com. #1 to Fede<br>60' FSL X <b>29</b> 80' FWL   | OGICAL SURVEY<br>, NEW MEXICO<br>ate all pertinent de<br>directionally drilled<br>tent to this work.)*                      | , give subsurfac                      | O. C. D.<br>ARTESIA, OFFI<br>pertinent dates,<br>te locations and             |
| ABANDON*<br>(other)<br>17. DESCRIB<br>including<br>measured<br>Name cl<br>from 660' FSI  | Name change<br>Name change<br>E PROPOSED OR COMPLE<br>sestimated date of starting<br>d and true vertical depths for<br>hanged from Federa<br>L X 1980' FWL to 6  | U.S. GEOL<br>ROSWELL<br>TED OPERATIONS (Clearly st<br>any proposed work. If well is<br>or all markers and zones pertir<br>1 CM Com. #1 to Fede<br>60' FSL X <b>29</b> 80' FWL   | OGICAL SURVEY<br>, NEW MEXICO<br>ate all pertinent de<br>directionally drilled<br>tent to this work.)*                      | , give subsurfac                      | O. C. D.<br>ARTESIA, OFFI<br>pertinent dates,<br>te locations and             |
| ABANDON*<br>(other)<br>17. DESCRIB<br>including<br>measured<br>Name cl<br>from 660' FSI  | Name change<br>Name change<br>BE PROPOSED OR COMPLE<br>restimated date of starting<br>d and true vertical depths for<br>hanged from Federa<br>L X 1980' FWL to 6   | U.S. GEOL<br>ROSWELL<br>TED OPERATIONS (Clearly st<br>any proposed work. If well is<br>or all markers and zones pertir<br>1 CM Com. #1 to Fede<br>60' FSL X <b>29</b> 80' FWL,  | OGICAL SURVEY<br>, NEW MEXICO<br>rate all pertinent de<br>s directionally drilled<br>lent to this work.)*                   | , give subsurfac                      | O. C. D.<br>ARTESIA, OFFI<br>pertinent dates,<br>te locations and             |
| ABANDON*<br>(other)<br>17. DESCRIB<br>including<br>measured<br>Name cl<br>from 660' FSI<br>0+4-USGS, R<br>Subsurface Sa  | Name change<br>Name change<br>DE PROPOSED OR COMPLE<br>restimated date of starting<br>d and true vertical depths for<br>hanged from Federa<br>L X 1980' FWL to 6<br>I-Hou I-GP   | U.S. GEOL<br>ROSWELL<br>TED OPERATIONS (Clearly si<br>any proposed work. If well is<br>or all markers and zones pertir<br>1 CM Com. #1 to Fede<br>60' FSL X <b>20</b> 80' FWL,<br>M 1-Susp  | OGICAL SURVEY<br>, NEW MEXICO<br>rate all pertinent de<br>s directionally drilled<br>lent to this work.)*                   | , give subsurfac                      | O. C. D.<br>ARTESIA, OFFI<br>pertinent dates,<br>te locations and             |
| ABANDON*<br>(other)<br>17. DESCRIB<br>including<br>measured<br>Name cl<br>from 660' FSI<br>0+4-USGS, R<br>Subsurface Sa  | Name change<br>Name change<br>BE PROPOSED OR COMPLE<br>restimated date of starting<br>d and true vertical depths for<br>hanged from Federa<br>L X 1980' FWL to 6   | U.S. GEOL<br>ROSWELL<br>TED OPERATIONS (Clearly st<br>any proposed work. If well is<br>or all markers and zones pertir<br>CM Com. #1 to Fede<br>60' FSL X <b>29</b> 80' FWL,<br>M 1-Susp  | OGICAL SURVEY<br>, NEW MEXICO<br>rate all pertinent de<br>s directionally drilled<br>tent to this work.)*                   | , give subsurfac                      | O. C. D.<br>ARTESIA, OFFI<br>pertinent dates,<br>te locations and<br>on moved |
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### N MEXICO OIL CONSERVATION COMMISS. 4 WELL LOCATION AND ACREAGE DEDICATION PLAT

Porm C+102 Supersedes C+128 Effective 1-1-65

|  |                     | he outer boundaries of the Se   | ction.  |  |
|--|---------------------|---------------------------------|---|--|
| ANDCO PRODUCTION COMPAN  |                     | FEDERAL G.M. CO                 | M   | Well Mc.<br>1  |
| Unit Letter Section Township   | 22 South            | Pange 26 East Cour              | Eddy  |  |
| Actual Footuge Location of Well:   |                     |                                 |   |  |
| 660 test from the South  | ine and 10          | 980 tent from                   | <sub>the</sub> West                           | line   |
| Ground Level Elev. Producing Formation<br>3372.6 Morrow  |                     |                                 | lorrow  | Dedicated Acreage:<br>320 Acres  |
| <ol> <li>Outline the acreage dedicated to the</li> <li>If more than one lease is dedicated interest and royalty).</li> <li>If more than one lease of different of the difference of the diffe</li></ol> | d to the well, or   | tline each and identify         | the ownership t                               | hereof (both as to working   |
| dated by communitization, unitizatio   | n, force-pooling.e  |                                 | Communiti                                     |  |
| If answer is "no," list the owners a<br>this form if necessary.)<br>No allowable will be assigned to the<br>forced-pooling, or otherwise) or until<br>sion.  | well ustil all iste | rests have been conso           | lidated (by com                               | imunitization, unitization,  |
| WORKING INTEREST   |                     |                                 |   | CERTIFICATION  |
| Amoco I 94.2708<br>Felmont Oil Corp. 4.6875<br>Jade Energy <u>1.0417</u><br>100.00%  |                     |                                 | tained he                                     | certify that the information con-<br>rein is true and complete to the<br>y knowledge and belief.   |
| Royalty:<br>United States Government   |                     |                                 | Position<br>Assi<br>Company                   | <i>&amp; Randolph</i><br>st. Admin. Analyst<br>Production Company<br>9-3-81  |
|  | Felmont<br>Oil      | Felmont<br>Gil<br>Jade<br>Energ | stawn on<br>noiws at<br>under my<br>is true o | certify that the well location<br>this plat was plotted from field<br>actual surveys made by me or<br>supervision, and that the some<br>ind correct to the best of my<br>e and belief. |
| Amoco<br>NM-34246<br>1980'<br>600'   |                     | Jade<br>Energy                  | Registeres S<br>and/or Lond<br>//             | 8/31/81<br>Professional Engineer<br>Surveyor<br>7/1/1/1/0000000000000000000000000000000  |
| 330 640 1920 1980 1980 2310 2  | ∎≼© :∂àn •          | 100 1000 ago                    | 6   | PATRICK A. ROMERO 3653<br>Rongid J. Eighon 3239  |

Attachment to "Application for Permit to Drill", Form 9-331 C

Federal CM Com Well No. 1 650' FSL X 1980' FWL Section 20 T-22-S R-26-E Eddy County, New Mexico

1. Location

X

See attached Form C-102

2. Elevation

See attached Form C-102

3. Geologic name of surface formation.

Quaternary

4. Type of drilling tools and associated equipment to be utilized.

See Form 9-331 C

5. Proposed drilling depth.

See Form 9-331 C

6. Estimated tops of important geologic markers.

| Bell Canyon   | 1815' | Bone Springs | 4995'  | Atoka     | 10485' |
|---------------|-------|--------------|--------|-----------|--------|
| Cherry Canyon | 25551 | Wolfcamp     | 8510'  | M. Morrow | 11115' |
| Brush Canyon  | 3455' | Strawn       | 100151 | Burnett   | 11505' |

7. Estimated depths at which anticipated water, oil, gas or other mineralbearing formations are expected to be encountered.

| Bone Springs | 49951 | Strawn | 10015'  | M. Morrew | 11115' |
|--------------|-------|--------|---------|-----------|--------|
| Wolfcamp     | 85101 | Atoka  | 10485 ' | Burnett   | 11505' |

8. Proposed casing program, including size, grade, and weight of each string and whether it is new or used.

| <u>Depth</u> | <u>Si: :</u> | <u>Keight</u>   | Grade  | New or Used |
|--------------|--------------|-----------------|--------|-------------|
| 700'         | 13 3/8"      | 48#             | H-40   | New         |
| 2900'        | 9 5/8"       | 36#             | K-55   | New         |
| 11600'       | 5 1/2"       | 20 <b>.</b> 17# | ' N-80 | New         |

- 9. Proposed cementing program.
  - 13 3/8" Circulate to surface
  - 9 5/8" Circulate to surface
  - 5 1/2" Cement to 500' above Bone Springs (Approx. 4495')

OIL & GAS U.S. GEOLOGICAL SURVEY ROSWELL, NEW MEXICO

10. Blowout Preventer Program is attached.

с. <sup>1</sup>

 Type and characteristics of the proposed circulating medium or mediums to be employed for rotary drilling, and the quantities and types of mud and weighting material to be maintained.
 0-2900 Native mud and fresh water

2900-TD Commercial mud and brine with minimum properties for safe hole conditions. We'll raise viscosity, and reduce water loss prior to Morrow penetration.

12. Testing, logging and coring programs to be followed with provisions made for required flexibility.

Compensated neutron formation density Dual laterlog micro SFL

13. Any anticipated abnormal pressure or temperatures expected to be encountered or potential hazards, such as hydrogen sulfide gas, along with plans for mitigating such hazards.

None anticipated

14. Anticipated starting date and duration of operation.

10-25-81 12-25-81

15. Other facets of the proposed operation operator wishes to point out for the Geological Survey's consideration of the application.

Request exemptions from the painting stipulations of Sec. 102 (a) (8) of the "Federal Land Policy and Management Act of 1976" to paint any tanks, separators, and treaters required for the production of this well, Amoco's standard gray color. If a pumping unit is required for the continued production of this well, it will be painted black with orange safety color coding which conforms with your current painting guidelines. Amoco Production Company

Proposed Development Plan for Surface Use Federal 'CM' Com Well No. 1 Section 20-T-22-S R-26-E



- OIL & GAS U.S. GEOLOGICAL SURVEY ROSWELL, NEW MEXICG

1. Existing roads including location of exit from main highway.

Detailed map showing drillsite location in relation to the nearest town and all existing roads within one mile of the wellsite are shown on Exhibit A. For directions, the traffic sketch attached to Exhibit A

Eddy County, New Mexico

- Planned access roads.
   Approx. 369' of access road will be built.
- 3. Location of existing wells.

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All existing well within one mile radius are shown on Exhibit C.

4. Location of tank batteries and flow lines

If the well is commercially productive, the production facilities (i.e. tanks. seperators, & treaters) will be

5. Location and type of water supply.

Fresh & brine water to be hauled by commercial hauler.

6. Source of construction materials.

Caliche will be obtained from a pit located in SW/4 SE/4 Section 20 T-22-S R-26-E.

- 7. WASTE DISPOSAL
  - a. Drill cuttings will be disposed of in the reserve pit.
  - b. Drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry.

- c. Trash, waste paper, garbage and junk will be burned or buried with a a minimum fo 24" cover. Waste material will be contained to prevent scattering by wind prior to ultimate disposal.
- d. Any produced water will be contained in tanks and be disposed of in an approved manner. Oil produced will be stored in tanks until sold, at which time it will be houled from location.
- e. Current laws and regulations pertaining to disposal of human waste will be complied with.
- f. If productive, maintenance waste will be placed in special containers and buried or hauled away periodically.

#### 8. ANCILLARY FACILITIES-

No camps, airstrips, etc. will be constructed.

#### 9. WELLSITE LAYOUT-

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- a. Size of Drilling Pad 550 ' x 800 ' x 6"
- b. Compacted Caliche
- c. Surfaced No
- d. 450' square area around wellsite has been cleared by archaeologist.
- e. See Exhibit "D".

#### 10. RESTORATION OF SURFACE-

Producing Well - all pits will be cut, filled, and leveled as soon as practical to original condition with rehabilitation to commence following removal of drilling and completion equipment. Rehabilitation to be completed in 180 days if possible.

Dry Hole - same as above with dry hole marker to be installed and surface reseeded if required.

#### 11. OTHER INFORMATION-

- a. Terrain Plains
- b. Soil- Light grey calcureous loam
- c. Vegetation-Broom Snakeweed
- d. Surface Use- grazing
- e. Ponds and Streams None
- f. Water Weils None
- g. Residences and Building None
- h. Arroyos, Canvons, etc. None
- i. Well Sion Posted at drill site
- j. Open Pits All pits containing liquid or mid will be fenced
- k. Archaeological Resources None tound

## 12. OPERATOR'S REPRESENTATIVE -

.

Field personnel responsible for compliance with development plan for surface use is:

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J. H. Hankins, Drilling Supervisor P. O. Box 63 Hobbs, NM 88240 Office Phone: (505) 393-2167 LEASE & WELL NUMBER Federal 'CM' Well No. 1

`

LOCATION 660' FSL X 1980' FWL Section 20 T-22-S R-36-E Eddy County, NM

Certification: The following statement is to be incorporated in the plan and must be signed by the lessee's or operator's field representative who is identified in Item No. 12 of the plan.

I hereby certify that I, or persons under my direct supervision have inspected the proposed drillsite 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 AMOCO PRODUCTION COMPANY and its contractors and subcontractors in comformity with this plan and the terms and conditions under which it is approved.

9-14-81

J.H. Harding Drilling Supervisor

DATE

<sup>Ø</sup> HAME AND TITLE





DRILL SITE DIMENSIONS



-Exhibit D

- 1. 30P'S TO BE FLUID OFERATED.
- 2. BOP'S AND ALL FITTINGS MUST BE IN GOOD CONDITION AND PATED AT 3000 PSI W.P. HINIMUM.
- 3. EQUIPMENT THROUGH WHICH BIT MUST PASS SHALL BE AT LEAST AS LARGE AS CASING SIZE BEING DRILLED THROUGH.
- 4. MIPPLE AGOVE BOP'S SHALL BE SAME SIZE AS LAST CASING SET.
- 5. UPPER KELLY COUK IS REQUIRED AND SHALL BE 3000# W.P. MINIMUM.
- 6. T. I. W. OR COMMARABLE SAFETY VALVE SHALL BE AVAILABLE ON RIG FLOOR WITH CONNECTION OR NEWS TO FIT ANY TOOL DOINT IN THE STRING. VALVE TO BE FULL BORE 5000# MIN.
- 7. VALVE NEXT TO SPOOL SHALL BE 4". OTHER EQUIPMENT MAY BE 3" OR 4". ALL CHOKE MANIFOLD EQUIPMENT SHALL BE FLANGED. FLOW LINE FROM MANIFOLD TO BE MINIMUM OF 3" AND STRAIGHT AS POSSIBLE WITH MINIMUM BENDS.
- 8. FLUID LINES FROM ACCUMULATOR TO BOP'S AND ALL REMOTE CONTROL FLUID LINES SHALL BE STOEL, AND RATED AT OR ABOVE MAKIMUM ACCUMULATOR PRESSURE. LINES SHALL BE ROUTED IN BUNDLAS AND ADEQUATELY PROTECTED FROM DAMAGE.
- 9. USE RAMS IN FOLLOWING POSITIONS:\*

|           | DRILLING   | RUNNING CASING |
|-----------|------------|----------------|
| UPPER PAM | DRILL PIPE | CASING         |
| LONER RAM | BLIND      | BLING          |

MAMOCO AREA SUPE. MAY REVERSE LOCATION OF RAMS.

- 10. CHOKE MANIFOLD, SEYOND SECOND VALVE FROM CROSS MAY BE OPTIONALLY POSITIONED OUTSIDE OF SUBSTRUCTURE.
- 11. EXITUSIONS AND WAND WHEELS TO BE INSTALLED AND BRACED AT ALL TIMES.

12. TWO LINCE (2") LINES AND VALVES ARE PERMITTED ON THE KILL LINE.

NOTE: ALL UNMARKED VALVES MAY BE PLUG OR GATE #ALVE, METAL TO METAR SEAL.

