| THE STORE OF THE INTERIOR   GEOLOGICAL SURVEY   LC-03245   APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK   I.a. TTPE OF WORK   DRILL IM   OFFICE   DISTORE OF WORK   OFFICE   OFFICE   OFFICE   OFFICE   OFFICE   APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK   OFFICE   OFFICE   MULTIPLE   Sincle X   OFFICE   Amoof Production Company   3. ADDRESS OF OPERATOR   Amoof Deerator   South Ma   | LOTTEE OB TBIBE NAME<br>ENT NAME<br>ttix Unit Fed.<br>SE NAME<br>ttix Unit Fed.<br>DOL, OR WILDCAT<br>OPER Paddock<br>OR BLK.<br>OB AREA<br>ARISH 13. STATE<br>NM        |
|---|--|
| GEOLOGICAL SURVEY 3. FLASS DESIGN   APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK   I. THE OF WELL   I. THE OF WELL   OTHER COLSPANS   MULTING CAR   WILL COLSPANS   OTHER COLSPANS   ADDROSO OF COLSPANS   | 0-B<br>LOTTEE OR TRIBE NAME<br>ENT NAME<br>ttix Unit Fed.<br>SE NAME<br>ttix Unit Fed.<br>OOL, OR WILDCAT<br>OPER Paddock<br>OR BLE.<br>OR AREA<br>ARISH 13. STATE<br>NM |
| APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 6. IF INDIAN, AL   Ia. TTPE OF WORK DRILL & DEEPEN PLUG BACK 7. UNIT AGREE   UNIT GAS WELL MO. State M. South Ma   2. NARG OF OPERATOR State M. MULTIPLE South Ma   2. NARG OF OPERATOR B. WELL MO. South Ma   3. ADDESSS OF OPERATOR B. WELL MO. South Ma   3. ADDESSS OF OPERATOR B. WELL MO. South Ma   4. DOCKTON WELL (Report location clearly and in accordiance with any State requirements.*) FOWIER U.   1650' FNL & 1650' FWL, Sec 15 (Unit F, SE/4 NW/4) 11. BRC, R. B. AND SURVEY   14. DISTANCE IN MILES AND DIRECTION PROM NEAREST TOWN OF DOST OFFICE* 15-24-37   15. DECATION TO NEAREST TOWN OF DOST OFFICE* 12. CONTRY OF 12. CO  | LOTTEE OR TRIBE NAME<br>ENT NAME<br>ttix Unit Fed.<br>SE NAME<br>ttix Unit Fed.<br>OOL, OR WILDCAT<br>OPER Paddock<br>OR BLE.<br>OB AREA<br>ARISH 13. STATE<br>NM        |
| ALL THE OF WORK ORILL & DEEPEN PLUG BACK 7. UNIT AGREEN   OUL ONL CARL & OTHER SUNSE MULTIPLE South Ma   S. NAME OF OPERATOR 9.00% MULTIPLE South Ma   3. ADDEBSS OF OPERATOR 9.00% 9.00% 9.00% 9.00%   3. ADDEBSS OF OPERATOR 9.00% 9.00% 9.00% 9.00%   3. ADDEBSS OF OPERATOR 9.00% 9.00% 9.00% 9.00% 9.00%   4. JOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) 15.00% 10.00% 9.00% 10.00%   1650' FNL & 1650' FWL, Sec 15 (Unit F, SE/4 NW/4) 11.80% 11.80% 7.00% 11.80% 7.00% 11.80% 7.00% 11.80% 7.00% 11.80% 7.00% 11.80% 7.00% 11.80% 7.00% 11.80% 7.00% 11.80% 7.00% 11.80% 7.00% 11.80% 7.00% 11.80% 7.00% 11.80% 7.00% 11.80% 7.00% 11.80% 7.00% 11.80% 7.00% 11.80% 7.00% 11.80% 7.00% 11.80% 7.00% 12.00% 7.00% <   | ENT NAME<br>ttix Unit Fed.<br>SE NAME<br>ttix Unit Fed.<br>OOL, OR WILDCAT<br>OPER Paddock<br>OR BLE.<br>OR AREA<br>ARISH 13. STATE<br>NM                                |
| b. TTPE OF WELL CAN OTHER SINGLE AND CEMENTING PROFORM OF OFENSATION OF A CASES OF OFENSATION CONTINUES OF OPENSATION CONTINUES AND CEMENTING PROFORM OF OTHER | ttix Unit Fed.<br>SE NAME<br>ttix Unit Fed.<br>OOL, OR WILDCAT<br>OPER Paddock<br>OR BLK.<br>OR AREA<br>ARISH 13. STATE<br>NM  |
| 2. NAME OF OPERATOR 20NE 20NE 20NE South Ma   3. ADDRESS OF OPERATOR 9. WELL NO. 35   3. ADDRESS OF OPERATOR 9. WELL NO. 35   4. JOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) 10. FIRED AND F   1650' FNL & 1650' FWL, Sec 15 (Unit F, SE/4 NW/4) 11. SBC, and or SUL NO. 35   14. JOSTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR FOST OFFICE* 1524-37   15. DIFFERENCE TOW FROM INCLINE, COMPLETED, THORE FOR THOM NEAREST TOWN OR FOST OFFICE* 1524-37   15. DIFFERENCE TOW TO NAMEST 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES IN LEASE   16. DIFFERENCE FORM PROFEMENTING FROM PROFENENCE 10. PROPOSED DEATING 320   16. DIFFERENCE FORM PROFENENCES 10. PROPOSED DEPTH 20. ENTANCE COMPLETED,   17. NO. OF ACRES IN LEASE, T. 10. PROPOSED DEPTH 20. ENTANCE LASE, T.   18. DIFFERENCE FORM PROFENDED LOADTION* 10. PROPOSED DEPTH 20. ENTANCE LASE, T.   18. DIFFERENCE FORM PROFENDED LOADTION* 10. PROPOSED DEPTH 20. ENTANCE LASE, T.   21. ELEVATIONS (Show whether DF, RT, GR, etc.) 32246.0 GR 22. APPROX. DAT   32. AFFROX. INTERST WELL, DRILLING, COMPLETED, WEIGHT PER POOT SETENCE COMPLETED,   | se name<br>ttix Unit Fed.<br>ool, or wildcat<br>Dper Paddock<br>or elk.<br>or area<br>ARISH 13. STATE<br>NM  |
| Amoco Production Company South Ma   3. ADDRESS OF OPERATOR 9. WELL NO.   9. WELL NO. 35   10. FIRE AND OF WELL (Report location clearly and in accordance with any State requirements.*) 10. FIRE AND   16. DOTO W WELL (Report location clearly and in accordance with any State requirements.*) 10. FIRE AND   16. DOTO W WELL (Report location clearly and in accordance with any State requirements.*) 10. FIRE AND   17. NO. OF WELL NO. 10. FIRE AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15-24-37   19. DISTANCE FROM FROMORED TO TRANSFT WELL MELLING. 10. FIRE AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15-24-37   19. DISTANCE FROM FROMORED TO TRANSFT WELL MELLING. 10. FIRE AND FROM PROPOSED TO TRANSFT WELL MELLING. 10. FIRE AND FROM PROPOSED TO TRANSFT WELL MELLING. 11. BARC, T. R., M   19. DISTANCE FROM FROMORED TO TRANSFT WELL MELLING. 11. FIRE AND FROM PROPOSED TO TRANSFT WELL MELLING. 11. FIRE AND FROM PROPOSED TO TRANSFT WELL MELLING. 11. FIRE AND FROM PROPOSED TO TRANSFT WELL MELLING. 11. FIRE AND FROM PROPOSED TO TRANSFT WELL MELLING. 11. FIRE AND FROM PROPOSED TO TRANSFT WELL MELLING. 11. FIRE AND FROM PROPOSED TO TRANSFT WELL MELLING. 12. FIRE AND FROM PROPOSED TO TRANSFT WELL MELLING. 12. FIRE AND FROM PROPOSED TO TRANSFT WELL MELLING. 13. FIRE AND FROM PROPOSED TO TRANSFT WELL MELLING. 12. FIRE AND FROM PROPOSED TO TRANSFT WELL MELLING.  | ool, or wildcat<br>Dper Paddock<br>., or blk.<br>or area<br>arish 13. state<br>NM  |
| 3. ADDRESS OF DERAATOR 9. WELL NO.   P. O. Box 68, Hobbs, NM 88240 35   10. FIELD AND F 35   11. Generation of well (Report location clearly and in accordance with any State requirements.*) 10. FIELD AND F   11. At proposed prod. zone 11. SEC. 7. B. M.   12. COUNTY OF WELL & 1650' FWL, Sec 15 (Unit F, SE/4 NW/4) 11. SEC. 7. B. M.   13. DIFFERD AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 11. SEC. 7. B. M.   14. DISTANCE TEOM FROM DEADERTH PROM NEAREST TOWN OR POST OFFICE* 11. NO. OF ACCES ASSIGNED   14. DISTANCE TEOM FROMOSED 11. INC. OF ACCES IN LEASE 11. NO. OF ACCES ASSIGNED   15. DISTANCE TEOM FROMOSED 11. INC. OF ACCES ASSIGNED 12. COUNTY OR P.   14. DISTANCE TEOM FROMOSED INCLATION* 11. INC. OF ACCES ASSIGNED 11. NO. OF ACCES ASSIGNED   15. DISTANCE TEOM FROMOSED INCLATEST 11. INC. OF ACCES ASSIGNED 12. COUNTY OR P.   16. DISTANCE TEOM FROMOSED INCLATEST 11. INC. OF ACCES ASSIGNED 20. ROTARY OR CASE ASSIGNED   16. DISTANCE TEOM FROMOSED INCLINE, COMPRETED, ON THIS WELL. 20. ROTARY OR CASE ASSIGNED 22. APPROX. DAT   17. NO. OF ACCES TEOM FROMOSED INCLINE, COMPRETED, ON THIS WELL. 20. ROTARY OR CASE ASSIGNED 20. ROTARY OR CASE ASSIGNED   18. DISTANCE TROM FROMOSED INCLINE, COMPRE   | oper Paddock<br>or blk.<br>or blk.<br>13. state<br>NM  |
| A. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) 10. FIELD AND F   A. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) 10. FIELD AND F   A. Storage Production Clearly and in accordance with any State requirements.*) 10. FIELD AND F   A. PROPOSED FOL & 1650' FWL, Sec 15 (Unit F, SE/4 NW/4) 11. BEC. T. R. M   14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15-24-37   Approximately 9.1 miles northeast of Jal, NM 12. COUNTY OR ACRES IN LEASE 17. NO. OF ACRES ASSIGNED   15. DISTANCE FROM PROPOSED* 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED   16. DISTANCE FROM PROPOSED* 10. FROPOSED DEFTH 320   17. OR ACRES WELL 10. FROPOSED DEFTH 320   18. DISTANCE FROM PROPOSED* 10. FROPOSED DEFTH 320   19. FROPOSED WELL 10. FROPOSED DEFTH 320   20. ROTARY OF CASING 10. FROPOSED DEFTH 320   21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3246.0 GR 22. APPROX. DAT   3246.0 GR 12-1/4" 8-5/8" 24# 1,100'   121/4" 8-5/8" 24# 1,100' Circ to Surface   7-7/8" 5-1/2" <t< td=""><td>oper Paddock<br/>or blk.<br/>or blk.<br/>13. state<br/>NM</td></t<>  | oper Paddock<br>or blk.<br>or blk.<br>13. state<br>NM  |
| 1650' FNL & 1650' FWL, Sec 15 (Unit F, SE/4 NW/4) 11. BBC. 7. B. M   At proposed prod. zone 11. BBC. 7. B. M   14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR FOST OFFICE* 15.224-37   15.DISTANCE FROM PROPOSED* 12. COUNTY OF PLAN   16. DISTANCE FROM PROPOSED* 16. NO. OF ACRES IN LEASE   17. NO. OF ACREST 12. COUNTY OF PLANS   18. DISTANCE FROM PROPOSED* 16. NO. OF ACRES IN LEASE   19. DESTANCE FROM PROPOSED TO CONFIDENCE 10. PROPOSED DEPTH   20. ROTARY OR CABLE TOOLS 10. PROPOSED DEPTH   21. ELEASE TWILL, OF CASING 10. PROPOSED DEPTH   22. APPROX. DAT 22. APPROX. DAT   23.246.0 GR 22.4#   23.246.0 GR 22.4#   121/4" 8-5/8"   121/4" 8-5/8"   24.4 1,100'   Circ to Surface   7-7/8" 5-1/2"   1415.5# 4.940'   After reaching TD, logs will be run and evaluated. Perforate and/or stimula   necessary in attempting commercial production.   Mud Program: 0-1,100' Native mud and fresh water   1,100'-4,940' Brine water, native mud and sufficient commercial mud to maintain good hole conditions. <td>ARISH 13. STATE</td>  | ARISH 13. STATE  |
| Approximately 9.1 miles northeast of Jal, NM 12. county or Price*   14. Distance FROM PROPOSED Least of Jal, NM Least Least Least Least Least Not the Least Proposed Least Not the Not the Least Not the L  | NM   |
| Approximately 9.1 miles northeast of Jal, NM Lease to the second of   | NM   |
| 13. DISTANCE FROM PROPOSED* 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES IN LEASE   13. DISTANCE FROM PROPOSED LOCATION* 10. PROPOSED DEPTH 320   13. DISTANCE FROM PROPOSED LOCATION* 19. PROPOSED DEPTH 320   14. DO CAREST WELL, DENLING, COMPLETED, OF APPLIED FOR, ON THIS LEASE, FT. 19. PROPOSED DEPTH 320   14. DISTANCE FROM PROPOSED LOCATION* 19. PROPOSED DEPTH 320   15. LEVATIONS (Show whether DF, RT, GR, etc.) 19. PROPOSED DEPTH 3246.0 GR   12. LEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DAT   3246.0 GR 22. APPROX. DAT   3246.0 GR 900 '   3246.0 GR 900 '   3246.0 GR 910 '   12-1/4" 8-5/8"   7.7/8" 5-1/2"   14-15.5# 4,940'   After reaching TD, logs will be run and   |  |
| 18. DISTANCE FROM PROPOSED LOCATION*<br>TO NEAREST WELL, DRILLING, COMPLETED,<br>OR APPLED FOR, ON THIS LEASE, PT. 19. PROPOSED DEPTH 320   21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DAT July 15,   32.46.0 GR 22. APPROX. DAT July 15,   23. PROPOSED CASING AND CEMENTING PROGRAM   size of HOLE Size of CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF C   12-1/4" 8-5/8" 24# 1,100' Circ to Surface   7-7/8" 5-1/2" 14-15.5# 4,940' Tie back to 8-5   After reaching TD, logs will be run and evaluated. Perforate and/or stimular necessary in attempting commercial production. Mud Program: 0-1,100' Native mud and fresh water   1,100'-4,940' Brine water, native mud and sufficient commercial mud to maintain good hole conditions. D) [5 P E  |  |
| OF APPLIED POR, ON THIS EASE, FT.   4940'   Rotary   22. APPROX. DAT   3246.0 GR   23.   PROPOSED CASING AND CEMENTING PROGRAM   SIZE OF HOLE   SIZE OF HOLE   SIZE OF HOLE   SIZE OF CASING   WEIGHT PER FOOT   SETTING DEPTH   QUANTITY OF C   Tile back to Surface   7-7/8"   5-1/2"   After reaching TD, logs will be run and evaluated. Perforate and/or stimulancessary in attempting commercial production.   Mud Program: 0-1,100' Native mud and fresh water   1,100'-4,940' Brine water, native mud and sufficient commercial mud to maintain good hole conditions.   BOP program attached. [D] [S] [P [E]  |  |
| 3246.0 GR 22. APPROX. DAT   23. PROPOSED CASING AND CEMENTING PROGRAM   SLZE OF HOLE SLZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF C   12-1/4" 8-5/8" 24# 1,100' Circ to Surface   7-7/8" 5-1/2" 14-15.5# 4,940' Tie back to 8-5   After reaching TD, logs will be run and evaluated. Perforate and/or stimulated necessary in attempting commercial production. Native mud and fresh water   Mud Program: 0-1,100' Native mud and fresh water Brine water, native mud and sufficient commercial mud to maintain good hole conditions.   BOP program attached. D) [5] [6] [6]  |  |
| PROPOSED CASING AND CEMENTING PROGRAM   SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF C   12-1/4" 8-5/8" 24# 1,100' Circ to Surface   7-7/8" 5-1/2" 14-15.5# 4,940' Tie back to 8-5   After reaching TD, logs will be run and evaluated. Perforate and/or stimulated necessary in attempting commercial production. Perforate and/or stimulated necessary in attempting commercial production.   Mud Program: 0-1,100' Native mud and fresh water 1,100'-4,940' Brine water, native mud and sufficient commercial mud to maintain good hole conditions.   BOP program attached. []) [] [] [] [] [] [] [] [] [] [] [] [] []  | E WORK WILL START*   |
| 12-1/4"8-5/8"24#1,100'Circ to Surface7-7/8"5-1/2"14-15.5#4,940'Tie back to 8-5After reaching TD, logs will be run and evaluated. Perforate and/or stimula<br>necessary in attempting commercial production.Perforate and/or stimulaMud Program:0-1,100'Native mud and fresh water<br>Brine water, native mud and sufficient commercial<br>mud to maintain good hole conditions.BOP program attached. $\bigcirc$ $\bigcirc$ Archaeological Reconnaissance attached $\bigcirc$  | 1979   |
| 7-7/8"3-3/824#1,100'Circ to Surface7-7/8"5-1/2"14-15.5#4,940'Tie back to 8-5After reaching TD, logs will be run and evaluated. Perforate and/or stimula<br>necessary in attempting commercial production.Perforate and/or stimulaMud Program:0-1,100'Native mud and fresh water<br>Brine water, native mud and sufficient commercial<br>mud to maintain good hole conditions.BOP program attached.()()Archaeological Reconnaissance attached()  | EMENT  |
| After reaching TD, logs will be run and evaluated. Perforate and/or stimula<br>necessary in attempting commercial production.<br>Mud Program: 0-1,100' Native mud and fresh water<br>1,100'-4,940' Brine water, native mud and sufficient commercial<br>mud to maintain good hole conditions.   |  |
| Mud Program:0-1,100'Native mud and fresh water<br>Brine water, native mud and sufficient commercial<br>mud to maintain good hole conditions.BOP program attached.⑤ ⑤ ⑤ ⑥ ⑥  | /8"  |
| Archaeological Reconnaissance attachod 50 15 0 症  | ite as   |
|   | IVEM   |
| .// IIIN 1  | U  |
|   |  |
| N ABOVE SPACE DESCRIBE PROFOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and prop<br>reventer program, if any.  | W MEXICO   |
|   |  |
| signed Tay log TITLE Administrative Supervisor  | 30/79  |
| (This space for Federal dr State office use)  |  |
| PERMIT NO APPROVAL DATE APPROVAL DATE   | ne statute a statute a   |
|   |  |
| CONDITIONS OF APPROVAL, IF ANY:<br>0+5 - USGS, H ] - Arco ] - Tenneco   |  |
| 1 - Houston 1 - Chevron 1 - Conoco  | durin 1  |
| *See Instructions On Reverse Side   | SINS   |
| DISTRICT EN   |  |

## RECEIVED

## JUN 1 9 1979