Form approved. Budget Bureau No. 42-R1425.

## UNITED STATES DEPARTMENT OF THE INTERIOR

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK  1a. TYPE OF WORK  DRILL	New Mexico  CAT Dual  up  -5-W  TATE  W Mexico
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK  1a. TYPE OF WORK  DRILL   DEEPEN   PLUG BACK    b. TIPE OF WORK  DRILL   OAS   DOTHER   SINGLE   MULTIPLE   MELL    OIL   OAS   WELL   OTHER   SINGLE   MULTIPLE   MELL    OIL   OAS   MULTIPLE   MELL    Tenneco Oil Company  3. Address of operator  P. O. BOX 1714 - Durango, Colorado  4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)  At proposed prod. zone  At proposed prod. zone  14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR FOST OFFICE*  15. DISTANCE FROM PROPOSED*  LOCATION ON DEAREST   DOCATION OF ARREST   DOCATION ON DEAREST   DOCATION ON DE	New Mexico
DRILL \( \text{DEEPEN} \) DEEPEN \( \text{DEEPEN} \) PLUG BACK \( TPE OF WELL ONE WELL ONE WELL OTHER WELL NO.  Tenneco Oil Company  3. Address of Operator  Tenneco Oil Company  4. Location of well (Report location clearly and in accordance with any State requirements.*)  At surface  1650' FNL, 990' FEL Unit H  At proposed prod. zone  At DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR FOST OFFICE*  10. DISTANCE FROM PROPOSED*  LOCATION TO MARKET TOWN OR PROFOSED LOCATION TO MARKET TOWN OR FOST OFFICE*  11. DISTANCE FROM PROPOSED*  LOCATION TO MARKET THE, IT any)  12. COUNTY OR PARISH 18. Rio Arriba Net TOWN OR APPLIED FOR TO MARKET TOWN OR FOST OFFICE*  13. DISTANCE FROM PROPOSED LOCATION*  TO NEAREST WELL, DEALLING, COMPLETED, OR APPLIED FOR NOT HIS MEASURED TOO NEAREST WELL DEALLING, COMPLETED, OR APPLIED FOR, ON THIS LASS, FT.  15. PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT  12-1/4"  8-5/8"  24#  15.5#  7540'  1st stage - 235 sacks	CAT Dual up -5-W TATE W Mexico
OIL WELL WOLL WOLL OTHER  SINGLE MOUNT MELL WOLL WOLL WOLL WOLL WELL WOll WILL Will Will Will Will Will Will	-5-W TATE W Mexico
Tenneco Oil Company  Address of Operator  P. O. Box 1714 - Durango, Colorado  Location of well (Report location clearly and in accordance with any State requirements.*)  At surface  1650' FNL, 990' FEL Unit H  At proposed prod. zone  Sec. 21, T-26-N, R  12. county or Parish 12. s:  Rio Arriba Net  10. Distance from Proposed*  Location to Nearest proposed Locations* To Nearest well, Drilling, Completed, To This Wall.  18. Distance from Proposed Locations* To Nearest well, Drilling, Completed, To This Wall.  19. Proposed Depth 20. Rotary or Cable Tools To This Wall.  19. Proposed Depth 20. Rotary or Cable Tools To Nearest well, Drilling, Completed, To Nearest the Lease, Fr.  21. Rievations (Show whether DF, RT, GR, etc.)  Proposed Casing and Cementing Program  Size of Hole Size of Casing Weight per foot Setting Depth Quantity of Cement 12-1/4" 8-5/8" 24# 450' 225 Sacks  7-7/8" 5-1/2" 15.5# 7540' 1st stage - 235 Sacks	-5-W TATE W Mexico
Tenneco Oil Company  1. Address of Operator  P. O. Box 1714 - Durango, Colorado  1. Location of well (Report location clearly and in accordance with any State requirements.*)  At surface  1650' FNL, 990' FEL Unit H  At proposed prod. zone  4. Distance in miles and direction from nearest town or post office*  4. Distance from Profosed*  Location to nearest dig. unit line, if any)  (8. Distance from Profosed Location* to nearest dig. unit line, if any)  (8. Distance from Profosed Location* to nearest dig. unit line, if any)  (8. Distance from Profosed Location* to nearest dig. unit line, if any)  (8. Distance from Profosed Location* to nearest dig. unit line, if any)  (8. Distance from Profosed Location* to nearest dig. unit line, if any)  (8. Distance from Profosed Location* to nearest dig. unit line, if any)  (8. Distance from Profosed Location* to nearest dig. unit line, if any)  (8. Distance from Profosed Location* to nearest dig. unit line, if any)  (8. Distance from Profosed Location* to nearest dig. unit line, if any)  (8. Distance from Profosed Location* to nearest dig. unit line, if any)  (8. Distance from Profosed Location* to nearest dig. unit line, if any)  (8. Distance from Profosed Location* to nearest dig. unit line, if any)  (9. Profosed Casing And Cementing Profosed Location* Rotary  20. Rotary or Cable Tools  Rotary  22. Approx. Date work will  22. Approx. Date work will  4. Distance from Profosed Location* Quantity of Cement  22. Approx. Date work will  23. Distance from Profosed Location* Quantity of Cement  24. Distance from Profosed Location* Quantity of Cement  25. Social Rotary  26. Social Rotary  27. Approx. Date work will  28. Social Rotary  29. Social Rotary  20. Social Rotary  20. Social Rotary  21. Social Rota	-5-W TATE W Mexico
P. O. Box 1714 - Durango, Colorado  Location of well (Report location clearly and in accordance with any State requirements.*)  At surface  1650' FNL, 990' FEL Unit H  At proposed prod. zone  4. Distance in miles and direction from nearest town or fost office*  4. Distance in miles and direction from nearest town or fost office*  4. Distance from proposed*  Location to nearest drig. unit libe, if any)  16. No. of acres in lease  Location to nearest drig. unit libe, if any)  18. Distance from proposed Location*  To nearest well, drilling, completed, or applied for any in proposed Location to nearest drig. unit libe, if any)  18. Distance from proposed Location*  To nearest well, drilling, completed, or applied for, on this lease, fr.  19. Proposed Depth To this well Rotary  19. Proposed Depth Rotary  20. Rotary or cable tools  Rotary  22. Approx. Date work will  6555' GR  May 10, 1960  12-1/4"  8-5/8"  24#  450'  225 sacks  7-7/8"  1 1st stage - 235 sacks	-5-W TATE W Mexico
Undesignated Galling Location of Well (Report location clearly and in accordance with any State requirements.*)  1650' FNL, 990' FEL Unit H  At proposed prod. zone  At proposed prod. zone  4. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR FOST OFFICE*  16. DISTANCE FROM PROPOSED* LOCATION TO NEAREST LINE, FT. (Also to nearest drig. unit line, if any)  17. NO. OF ACRES ASSIGNED TO THIS WELL  320 E/2  18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  17. NO. OF ACRES ASSIGNED TO THIS WELL  320 E/2  20. ROTARY OR CABLE TOOLS  ROTARY OR CABLE TOOLS  ROTARY OR CABLE TOOLS  18. ELEVATIONS (Show whether DF, RT, GR, etc.)  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE  SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT  12-1/4"  8-5/8"  24#  450' 225 sacks  7-7/8"  5-1/2"  15.5#  7540'  1st stage - 235 sacks	-5-W TATE W Mexico
At proposed prod. zone  Sec. 21, T-26-N, R.  12. count or parish 13. s.  Rio Arriba New  13. s.  Rio Arriba New  14. no. of acres in Lease  15. no. of acres assioned  To this well.  320  320  420  19. proposed depth  7540  Rotary  20. rotary or cable tools  Rotary  21. elevations (Show whether DF, RT, GR, etc.)  Asy 10, 196  13. proposed Casing and Cementing Program  Size of hole  Size of casing weight per foot setting depth quantity of cement  12-1/4"  8-5/8"  24#  450'  225 sacks  7-7/8"  1st stage - 235 sacks	-5-W TATH W Mexico
At proposed prod. zone  4. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  4. DISTANCE FROM PROPOSED*  10. DISTANCE FROM PROPOSED*  11. NO. OF ACRES ASSIGNED  TO THIS WELL  320 E/2  12. ROTARY OR CABLE TOOLS  TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  13. PROPOSED CASING AND CEMENTING PROGRAM  14. ELEVATIONS (Show whether DF, RT, GR, etc.)  15. PROPOSED CASING AND CEMENTING PROGRAM  16. NO. OF ACRES ASSIGNED  TO THIS WELL  320 E/2  20. ROTARY OR CABLE TOOLS  ROTARY  22. APPROX. DATE WORK WILL  450' QUANTITY OF CEMENT  12-1/4" 8-5/8" 24# 450' 225 sacks  1-7-7/8" 5-1/2" 15.5# 7540' 1st stage - 235 sacks	W Mexico
4. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*    12. COUNTY OR PARISH   13. St. Rio Arriba   16. No. of acres in lease   17. No. of acres assigned to this well   320   320   E/2	Mexico
4. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*    12. COUNTY OR PARISH   13. St. Rio Arriba   New County of Parish   16. No. of Acres in Lease   17. No. of Acres assigned to This Well   320   E/2	Mexico
Rio Arriba New Color of the New Proposed Interest Proposed Cases In Lease 17. No. of acres assigned To this well 320 E/2  8. Distance from proposed location* 19. Proposed depth 7540 Rotary  10. Relevations (Show whether DF, RT, GR, etc.)  11. Elevations (Show whether DF, RT, GR, etc.)  12. Approx. Date work will be proposed Casing And Cementing Program  12. 1/4" 8-5/8" 24# 450* 225 sacks  15. 5# 7540* 1st stage - 235 sacks	
LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  (Also to nearest drig. unit libe, if any)  (8. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  (1. ELEVATIONS (Show whether DF, RT, GR, etc.)  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE  SIZE OF CASING  SIZE OF HOLE  SIZE OF CASING  WEIGHT PER FOOT  SETTING DEPTH  QUANTITY OF CEMENT  12-1/4"  8-5/8"  24#  450'  225 sacks  7-7/8"  15.5#  7540'  Location To This well.  320  E/2  20. ROTARY OR CABLE TOOLS  ROTARY  AND CABLE TOOLS  ROTARY  22. APPROX. DATE WORK WILL  320  E/2  24. APPROX. DATE WORK WILL  450'  225 sacks  15.5#  7540'  1st stage - 235 sacks	, an inst
PROPERTY OR LEARE LINE, FT.  (Also to nearest drig. unit line, if any)  (8. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  20. ROTARY OR CABLE TOOLS ROTARY  21. ELEVATIONS (Show whether DF, RT, GR, etc.)  6555° GR  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 12-1/4" 8-5/8" 24# 450° 225 sacks 7-7/8" 5-1/2" 15.5# 7540° 1st stage - 235 sacks	r am and
(Also to terrest diff. diff. the, if ally)  (8. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  (1. ELEVATIONS (Show whether DF, RT, GR, etc.)  (2. APPROX. DATE WORK WILL (3. PROPOSED CASING AND CEMENTING PROGRAM  (4. B) PROPOSED CASING AND CEMENTING DEPTH (4. C) PROPOSED CASING BETTING DEPTH (4. C) PROPOSED CASING BETTI	r am amil
OR APPLIED FOR, ON THIS LEASE, FT.  7540  ROTATY  22. APPROX. DATE WORK WILL  6555° GR  May 10, 196  33.  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE  SIZE OF HOLE  12-1/4"  8-5/8"  24#  450°  225 sacks  7-7/8"  5-1/2"  15.5#  7540°  ROTATY  AUANTITY OF CEMENT  22. APPROX. DATE WORK WILL  33.  PROPOSED CASING AND CEMENTING DEPTH  QUANTITY OF CEMENT  12-1/4"  15.5#  15.5#  15.5#  15.5#  15.5#  15.5#  15.5#  15.5#	r amanmā
6555° GR May 10, 1960  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT  12-1/4" 8-5/8" 24# 450° 225 sacks  7-7/8" 5-1/2" 15.5# 7540° 1st stage - 235 sacks	7 000 1000
PROPOSED CASING AND CEMENTING PROGRAM    SIZE OF HOLE	
SIZE OF HOLE	6
12-1/4" 8-5/8" 24# 450° 225 sacks 7-7/8" 5-1/2" 15.5# 7540° 1st stage - 235 sacks	
7-7/8" 5-1/2" 15.5# 7540' 1st stage - 235 sacks	
7-7/8" 5-1/2" 15.5# 7540' 1st stage - 235 sacks	
We propose to rig up, drill with Rotary to approximate TD 7540'. Set casing with stage collar set approximately 300' below bottom of Mesaverde. WCC. Run IES and GR Density Logs. Perforate and frac both Basin Dakota and Gallup gas zones and complete as a dual gas well. Run dual string of 2-1/16" tubing and conduct deliverability and packer leakage tests.  Note: In event Gallup zone not commercial, a string of 4-1/2" 10.5# and 11.6# ca Will be substituted for the 21/2" casing and 2-3/8" tubing will replace to	.sing
2-1/16".	
MAY 1 1966 MAY 1 0 1965	
MAY - COM. TMAY (1.0 1965)	
ON APONE SPACE DESCRIBE PROPOSED PROGRAM: If proposed is in deleten or pitch back, give data on present productive zone and proposed new i	productive ve blowout
SIGNED Harold C. Nichols Senior Production Clerk DATE May 9, 1	966
HATOIC C. NICHOLS  (This space for Federal or State office use)	
PREMIT NO APPROVAL DATE	
APPROVED BY DATE	
CONDITIONS OF APPROVAL, IF ANY:	

## NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section Cheronia 200 JICARITTA "R" TENNECO OIL COMPANY ده د هرد 21 26 Morth 5 rest H Rio Arriba A full Footage Location of Wei 1650 for from the Morth 990 feet from the Fast Producing Forms is Project Level Elevi The lawrence August ... E/2 Undesignated Gallup Undesignated Gallup 6555'ungraded 320 and Basin Dakota and Basin Dakota Outline the agerage dedicated to the subject well by colored pencil or rachuse marks on the Egy make 2. If more than one learn is producted to the well out the educional lead to the cwalled in the hit between any interest and royally is 3. If note than are lease of offered blawns are is declared to the second right of each procedure specially a lease in Communication of control for excourse leter The first of the week at the other particles and the If answer is into the owners and trait interptions which the autually for subation. Use the second set of the firms in No allowable will be assigned to the well-unit cell interests have been consocidated upon common agencies about you are politing, or otherwise of until a non-standard unit, eliminating islach living rests and been approved by the equalities w CERTIFICATION MAY 1 1 1966 I hereby certify that the information contained erein is true and complete to the best of my CON. COM. bist. 3 Senior Production Clerk Tenneco Oil Company May 9, 1966 [5.5 Sec. 21 I hereby certify that the well location shown on this plat was plotted from field notes of actual N surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. 4 April 1966 H. ERNST and/or Limit Turvey in Robert U. Ernst M. Mex. DF & IS 2463 ERNST ENGINEERING CO.

DURANGO, COTORADO

Certificate No.