Conditions of approval, if

FORM APPROVED **UNITED STATES** Form 3160-5 Budges Bureau No. 1004-0135 DEPARTMENT OF THE INTERIOR (June 1990) Expires: March 31, 1993 5. Lease Designation and Serial No BUREAU OF LAND MANAGEMENT SUNDRY NOTICES AND REPORTS ON WELLS 6. If Indian. Allottee or Tribe Name Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Jicarilla Apache Use "APPLICATION FOR PERMIT—" for such proposals Contract #64 7. If Unit or CA. Agreement Designation SUBMIT IN TRIPLICATE 1. Type of Well 8 Well Name and No. Oil Well __ Other Jicarilla 20 No. 3 2. Name of Operator 9. API Well No. 3 Address and Telephone No 30-039-05915

10. Field and Pool, or Exploratory Area 10 Desta Dr. Ste 100W, Midland, TX 79705
4 Location of Well (Footage: Sec., T., R., M., or Survey Description) <u>indreth Gallup-Dak W</u> 11. County or Parish, State 1980' FSL & 1980' FWL Rio Arriba, NM Sec. 20 T-25N, R-4W CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12 TYPE OF ACTION TYPE OF SUBMISSION Change of Plans Abandonment Notice of Intent **New Construction** Recompletion Non-Routine Fracturing Plugging Back Subsequent Report Water Shut-Off Casing Repair Conversion to Injection Altering Casing Final Abandonment Notice Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled. give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* It is proposed to plug and abandon this well according to the attached procedure and wellbore diagrams. OIL COM. DIV. 14 I hereby cer Conservation Coordinator Signed MAY 1 8 1994 Acting (This Chief, Lands and Mineral Resources Approved by

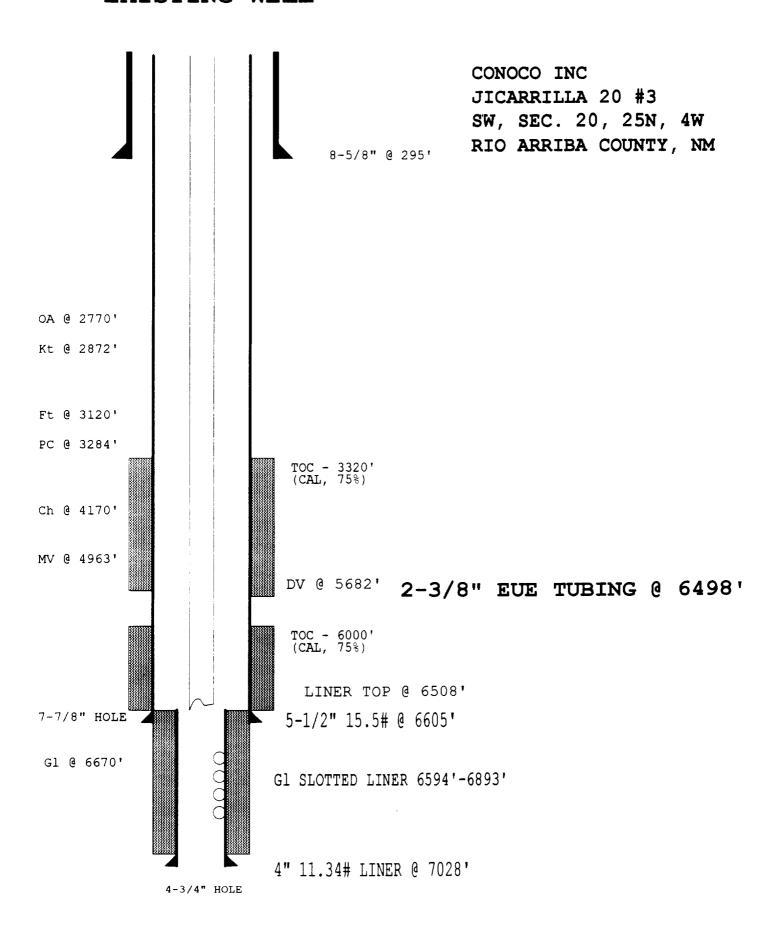
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

Jicarilla 20 #3 (G1) SW, Sec. 20, T25N, R4W Rio Arriba County, New Mexico

PLUG AND ABANDONMENT PROCEDURE:

(All cement volumes use 100% excess outside pipe an 50' inside; mud will be 8.4 ppg with a 40 sec vis.)

- Install and/or test rig anchors. Prepare blow pit. Comply to all NMOCD, BLM and Conoco safety rules and regulations.
- MOL and RUSU. Blow well down; kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP. POH and tally 2-3/8" EUE tubing (6498').
- 3. Plug #1 (Gallup & liner top): PU 5-1/2" cement retainer and RIH; set at 6458'; pressure test tubing to 1000#; establish rate into Gallup zone. Mix 76 sxs Class B cement and squeeze 70 sxs below and spot 6 sxs on top. Pull above cement and circulate well clean then pressure test casing to 500#. Spot mud from top of cement to 5013'. POH to 5013'.
- Plug #2 (MV top): Mix 17 sxs Class B cement and spot balance plug from 5013' to 4913'. Pull above cement and spot mud to 4220'. POH to 4220'.
- 5. Plug #3 (Chacra top): Mix 17 sxs Class B cement and spot balance plug from 4220' to 4120'. Pull above cement and spot mud to 3334'. POH with setting tool and pressure test casing to 500#.
- 6. Plug #4 (PC & Ft tops): Perforate 4 holes at 3334'. Establish rate into holes if casing tested. PU 5-1/2" cement retainer and RIH; set at 3280'; establish rate into holes. Mix 113 sxs Class B cement and squeeze 77 sxs outside from 3334' to 3070', and leave 36 sxs inside casing. POH with setting tool. If casing leaked in Step 5, then test again.
- 7. Plug #5 (Kt & OA tops): Perforate 4 holes at 2922'. Establish rate into holes if casing tested. PU 5-1/2" cement retainer and RIH; set at 2880'; establish rate into holes. Mix 116 sxs Class B cement and squeeze 80 sxs outside from 2992' to 2720', and leave 36 sxs inside casing. POH above cement; mix and spot mud to 345'. POH and LD tubing.
- 8. Plug #6 (Surface): Perforate 2 holes at 345'. Establish circulation out bradenhead valve. Mix approximately 100 sxs Class B cement and pump down 5-1/2" casing, circulate good cement to surface. Shut in well and WOC.
- ND BOP and cut off well head below surface casing flange and install P&A marker to BLM specs. RD and MOL. Cut off anchors.
- 10. Restore location per BLM stipulations.



PLUGGED WELL CONOCO INC JICARRILLA 20 #3 SW, SEC. 20, 25N, 4W RIO ARRIBA COUNTY, NM 8-5/8" @ 295' PLUG #6 345'- SURFACE PERFORATE @ 2922' 100 SXS CEMENT OA @ 2770' **CEMENT RT @ 2880'** PLUG #5 2992'-2720' 36 SXS INSIDE Kt @ 2872' PERFORATE @ 2922' 80 SXS OUTSIDE Ft @ 3120' **CEMENT RT @ 3280'** PLUG #4 3334'-3070' PC @ 3284' 36 SXS INSIDE PERFORATE @ 3334' 77 SXS OUTSIDE TOC - 3320' (CAL, 75%) PLUG #3 4220'-4120' Ch @ 4170' 17 SXS CEMENT MV @ 4963' PLUG #2 5013'-4913' 17 SXS CEMENT DV @ 5682' TOC - 6000' (CAL, 75%) LINER TOP @ 6508' 7-7/8" HOLE 5-1/2" 15.5# @ 6605' **CEMENT RETAINER @ 6458'** Gl @ 6670' PLUG #1 7026'-6458' 76 SXS CEMENT Gl SLOTTED LINER 6594'-6893' 4" 11.34# LINER @ 7028'

4-3/4" HOLE