

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

API NO. (assigned by OCD on New Wells) 30-D25-31989
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work: DRILL ☒ RE-ENTER ☐ DEEPEN ☐ PLUG BACK ☐		7. Lease Name or Unit Agreement Name Arco A Cum
b. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		
2. Name of Operator Rand Oil & Gas, Inc.		8. Well No. 21
3. Address of Operator 4006 Beltline Rd., Suite 290, Addison, Texas 75244		9. Pool name or Wildcat South Knowles Devonian
4. Well Location Unit Letter <u>F</u> : 1980 Feet From The <u>north</u> Line and <u>1980</u> Feet From The <u>west</u> Line Section <u>18</u> Township <u>17S</u> Range <u>39E</u> NMPM Lea County		

10. Proposed Depth 12,200	11. Formation Devonian	12. Rotary or C.T. Rotary
13. Elevations (Show whether DF, RT, GR, etc.)	14. Kind & Status Plug. Bond	15. Drilling Contractor Morton
		16. Approx. Date Work will start May 1, 1993

17. PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
15"	12-3/4"	42#	400'	500 sx	surface
11"	8-5/8"	24, 28, & 32#	4900'	2500 sx	surface
7-7/8"	5-1/2"	17 & 20#	12,200'	1500 sx	11,000'

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE S. T. Miller TITLE geologist DATE 1-6-93
TYPE OR PRINT NAME S. T. Miller TELEPHONE NO. (915) 694-6051

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE MAY 28 1993

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.