

Submit 3 Copies
to Appropriate
District Office

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. BOX 1088
Santa Fe, New Mexico 87504-2088

JUN 05 '89

Santa Fe	
Le	
SLM	
Land Office	
State of NM	
Operator	

Form C-103
Revised 1-1-89

WELL-APP NO.	30-005-62702
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	LG 6683
7. Lease Name or Unit Agreement Name	Rambler AGO State
8. Well No.	1
9. Pool name or Wildcat	West Pecos Slope Abo

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO ~~REPERFORATE~~ PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	2. Name of Operator YATES PETROLEUM CORPORATION
3. Address of Operator 105 South 4th St., Artesia, NM 88210	4. Well Location Unit Letter <u>A</u> : <u>660</u> Feet From The <u>North</u> Line and <u>990</u> Feet From The <u>East</u> Line Section <u>32</u> Township <u>7S</u> Range <u>23E</u> NMPM <u>Chaves</u> County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3924.5' GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>
	OTHER: <input type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Spudded 26" hole 1:50 PM 5-27-89 with Frank's Rathole. Set 40' of 20" conductor pipe. Notified NMOCD, Artesia, NM, of spud.
Resumed drilling 12 1/4" hole 10:15 AM 5-30-89. Lost circulation 145'. Landed 20 jts 8-5/8" 24# J-55 ST&C (857.73') casing, set 866' KB. Texas Pattern Notched guide shoe set 866' KB. Insert float set 823' KB. Cemented w/375 sx Class C w/10% Thixad, 1/2#/sx Celloseal + 2% CaCl2 (yield 1.37, weight 14.8). Tailed in w/150 sx Class C + 2% CaCl2 (yield 1.32, weight 14.8). PD 2:15 PM 5-31-89. Bumped plug to 500 psi, released pressure, float held OK. Cement did not circulate. WOC 4-1/2 hrs. Ran Temperature Survey and found top of cement 215'. Ran 1". Tag cement 262'. Spot 50 sx Class C + 7% CaCl2 - 1" dry when pulled out. PD 9:30 PM 5-31-89. WOC 1 hr. Ran 1". Tag cement 256'. Hole dry at 256'. Redi-mixed to surface with 4 yards. PD 12:30 AM 6-1-89. Circulated 6 sx mix. WOC. Drilled out 1:00 PM 6-1-89. WOC 22 hrs, 45 minutes. Tested blind rams and pipe rams to 1000 psi for 30 minutes each, OK. Reduced hole to 7-7/8". Drilled plug and resumed drilling.

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

SIGNATURE Juanita Goodlett TITLE Production Supervisor DATE 6-2-89
TYPE OR PRINT NAME Juanita Goodlett TELEPHONE NO. 505/748-1471

(This space for State Use)

ORIGINAL SIGNED BY
MIKE WILLIAMS
SUPERVISOR, DISTRICT II

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

JUN 6 1989

[illegible]

The diagram illustrates a two-dimensional lattice structure. A central square unit cell is shown with four atoms at its corners. The lattice is composed of these unit cells arranged in a grid. Labels include 'a' for the lattice constant, 'm' for the mass of an atom, and 'c' for the spring constant of the bonds between atoms.