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## NEW MEXICO OIL CONSERVATION COMMISSION

NOV 27 1967

Form C-101  
Revised 1-1-65

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SANTA FE

FILE

U.S.G.S.

LAND OFFICE

OPERATOR

5A. Indicate Type of Lease

STATE ☒FEE ☐

5. State Oil &amp; Gas Lease No.

K 3559

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

OIL WELL ☒GAS WELL ☐

OTHER

SINGLE ZONE ☒MULTIPLE ZONE ☐

7. Unit Agreement Name

8. Farm or Lease Name

Atlantic State

9. Well No.

1

10. Field and Pool, or Wildcat

Wildcat

12. County

Chaves

2. Name of Operator

Sunray DX Oil Company

3. Address of Operator

P. O. Box 1416 - Roswell, New Mexico

4. Location of Well

UNIT LETTER I LOCATED 1980 FEET FROM THE South LINE

AND

660 FEET FROM THE East LINE OF SEC. 16 TWP. 10-S RGE. 30-E NMPM

19. Proposed Depth

4000

19A. Formation

San Andres

20. Rotary or C.T.

Rotary

21. Elevations (Show whether DF, RT, etc.)

Furnish later

21A. Kind &amp; Status Plug. Bond

Approved

21B. Drilling Contractor

Ard Drilling Co.

22. Approx. Date Work will start

11-25-67

23.

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4	8-5/8	20#	300	150 sx	Surface
7-7/8	4-1/2	9.5#	4000	200 sx	3200' (Est)

1. Move in and rig up rotary rig.
2. Drill 12-1/4" hole to approx 300'. Run 8-5/8", 20#, J-55 csg to CP 300' and cmt w/150 sx Reg. w/2% CaCl<sub>2</sub>. Circulate cmt to surface. WOC 18 hrs. Test csg to 1000# for 30 min.
3. Drill 7-7/8" hole to TD of 4000'. Anticipate two 50' cores at approx. 3400' and 3500'.
4. Run Sonic, Density, Sidewall Neutron, Laterlog & Microlaterolog, Open Hole Logs.
5. Run 4-1/2", 9.5#, J-55 csg to TD and cmt w/200 sx 50-50 Incore Pos w/2% Gel. WOC 24 hrs. Test csg to 1000# for 30 min. Run temperature survey 8 hrs after cementing.
6. Run PFC log and perf selected intervals w/E Gum - 1 - 1/2" bullet per interval.
7. Acidize w/250 Gals DS-30 acid per interval.
8. If necessary, frac down casing w/30,000 Gal Raf. oil and 40,000# sand. Limit surface pressure to 4000 psig.
9. Test and place well on production.

Expires 2-29-68

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.

Signed John Hastings Title District EngineerDate 11-22-67

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICTDATE NOV 27 1967

CONDITIONS OF APPROVAL, IF ANY: