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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease  
STATE ☐ FEE ☒

5. State Oil & Gas Lease No.

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

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name <b>Dessie Sawyer</b>
2. Name of Operator <b>Sunray DX Oil Company</b>		9. Well No. <b>2</b>
3. Address of Operator <b>P. O. Box 1416 - Roswell, New Mexico</b>		10. Field and Pool, or Wildcat <b>Crossroads Devonian</b>
4. Location of Well UNIT LETTER <b>K</b> LOCATED <b>2310</b> FEET FROM THE <b>South</b> LINE AND <b>2310</b> FEET FROM THE <b>West</b> LINE OF SEC. <b>27</b> TWP. <b>9-S</b> RGE. <b>36-E</b> NMPM		12. County <b>Lea</b>
19. Proposed Depth <b>11,900</b>		19A. Formation <b>Devonian</b>
20. Rotary or C.T. <b>Rotary</b>		21. Elevations (Show whether DF, RT, etc.) <b>Will furnish later</b>
21A. Kind & Status Plug. Bond <b>Approved</b>		21B. Drilling Contractor <b>McVay Drilling Company</b>
22. Approx. Date Work will start <b>2-3-68</b>		

## 23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2	13-3/8	48#	225	250 sxs	Surface
12-1/4	8-5/8	24# & 32#	4200	650 sxs	Surface
7-7/8	5-1/2	17# & 20#	11900	325 sxs	10,000' (Est.)

1. Spud-in and drill to 225'. Run 13-3/8, 48#, H-40 to 225' and cement. Circ. to surface. WOC 18 hrs. Test csg. to 1000# for 30 min.
2. Drill to 4200'. Run 8-5/8", 24# & 32#, H-40 & J-55 to 4200' and cement. Circ to surface. WOC 24 hrs. Test csg. to 1500# for 30 min.
3. Drill to TD of 11,900'. Run Open Hole Logs; GR-Neutron and Guard.
4. Run 5-1/2", 17# & 20#, J-55 & N-80 csg. to CP approx. 11,900'. Cement w/325 sxs. approx. WOC 24 hrs. Test csg to 2500# for 30 min. Run Temp. Survey.
5. Perf w/1 hole per foot.
6. Acidize w/approx 1000 gal acid.
7. Test and place well on production.

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 Ralph L. Maness Title Acting District Engineer Date February 1, 1968

(This space for State Use)

APPROVED BY John W. Runyan TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: