

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 ☐

2. NAME OF OPERATOR

Sunray DX Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 1416 Roswell, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

790' FSL & 1980' FSL of Section 27, T-28-N, R-17-W,
San Juan County, New Mexico

At proposed prod. zone

Mississippian

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

790'

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1450'

16. NO. OF ACRES IN LEASE

2560

19. PROPOSED DEPTH

7800

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

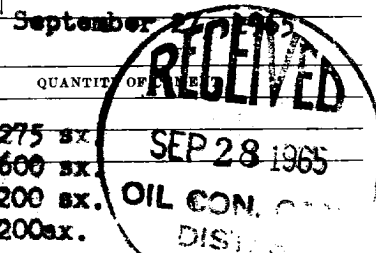
21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5311 GR est.

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CASING
17 1/4	13 3/8	48	250	275 sx.
12 1/4	9 5/8	36 & 40	5200	600 sx.
8 1/4	7 5/8 (liner)	26.40	5100' - 7050'	200 sx.
6 3/4	5 1/2	14, 15.5, 17	7800	200sx.



1. Drill 17 1/4" hole to 250'. Set 13 3/8" csg. to 250'. Cmt. w/275 sx. WOC 18 hrs. (12 hrs. under pressure). Pressure test to 1000 psi. for 30 min.
2. Drill 12 1/4" hole to 5200'. Set 9 5/8" csg. to 5200'. Cmt. w/600 sx. WOC 18 hrs. (12 hrs. under pressure). Run temp survey 8 hrs. after cementing to insure De Chelly formation is covered. Pressure test to 1000 psi. for 30 min.
3. Drill 8 3/4" hole to 7050' with air. Run 7 5/8" liner from 5100' to 7050'. Cmt w/200 sx. WOC 18 hrs. Check top of liner w/pressure. If required, squeeze top of liner.
4. Drill 6 3/4" hole to approx 7800' using mud. Cut two 50' cores at approx. 7330' & one 50' core at approx. 7580'. Probable DST at 7132', 7250', and 7580', and 7330'.
5. Run open hole logs.
6. Run 5 1/2" csg. to 7800' or TD. Cmt. w/approx 200 sx. WOC 24 hrs. (12 hrs. under pressure).
7. Complete as required.

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED B. F. BrawleyTITLE District EngineerDATE September 24, 1965

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

DATE SEP 27 1965U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

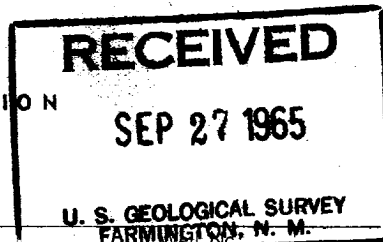
Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section



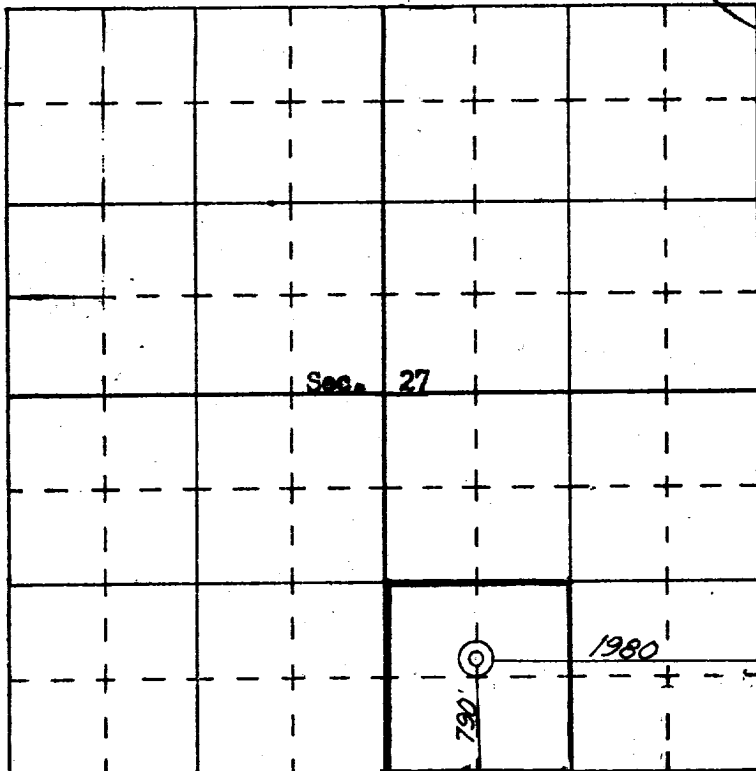
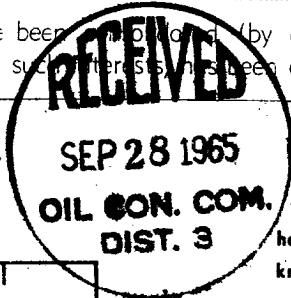
Operator SUNRAY D-X OIL COMPANY			Lease NAVAJO TABLE MESA			Section 2		
Unit Letter 0	Section 27	Township 28 NORTH	Range 17 WEST	County SAN JUAN				
Actual Footage Location of Well:								
790		feet from the SOUTH		line and 1980		feet from the EAST		line
Ground Level Elev. 5911 est.		Producing Formation Mississippian		Pool Wildcat		Dedicated Acreage: 40		Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty),
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

() Yes () No If answer is "yes," type of consolidation

If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.



N

CERTIFICATION

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

Name B. F. Brantley
 Position District Engineer
 Company Sunray D-X Oil Company
 Date September 24, 1965

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed September 22, 1965
 Registered Professional Engineer
 and/or Licensed Surveyor
James E. Jones
 San Juan Engineering Company
 Certificate No. 1463

WV 588144

5961 2 1 1965

RECEIVED
SUNRAY OIL CO.
NO. 10