

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK Triple Complete DRILL ☒			DEEPEN ☐ FEB 23 11 PM PLUG BACK ☐		
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐			SINGLE ZONE ☐ MULTIPLE ZONE ☐		
2. NAME OF OPERATOR Sunray Oil Company					
3. ADDRESS OF OPERATOR P.O. Box 128, Hobbs, New Mexico					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 660' FWL & 660' FWL					
At proposed prod. zone					
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 2 1/2 miles N.W. from Lunice, New Mexico					
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		660		16. NO. OF ACRES IN LEASE 40	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		-		19. PROPOSED DEPTH Present TD 6691	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3515 DF				22. APPROX. DATE WORK WILL START* 1-15-65	
23. PROPOSED CASING AND CEMENTING PROGRAM					

5. LEASE DESIGNATION AND SERIAL NO. LC-082591 B	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME E. Elliott "B"	
9. WELL NO. 1	
10. FIELD AND POOL, OR WILDCAT Drinkard	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 20-T21S-R37E	
12. COUNTY OR PARISH Lea	13. STATE New Mexico

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8"	35 & 48#	296'	300
12 1/2	9 5/8"	36 & 40#	2846'	1,000
8 5/8	7"	23 & 26#	6548'	500

Original application was to triple complete in the Drinkard, Tubb, & Blinebry. The Tubb has been tested and proven non-commercial. We now propose to triple complete in the Drinkard, Blinebry, and Penrose Kelly.

1. Set cast iron bridge plug @ 6485', load hole w/wtr, and run Gamma Ray-Neutron log.
2. Perf 5962-66 for lower Blinebry block squeeze.
3. Block squeeze Blinebry w/100 sx to 6000 psig.
4. Perf 5699-5700 for upper Blinebry block squeeze
5. Block squeeze w/100 sx to 6000 psig. 100 18 hrs then drill out both block squeezes.
6. Perf Blinebry w/12 holes /ft @ the following depths: 5754, 5784, 5849, 5860, 5879, 5896.
7. Acidize Blinebry w/3000 gal BDA
8. Swab test
9. Frac Blinebry w/20,000 gal oil and 20,000# sand.

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. Brawley **B.F. Brawley** TITLE District Engineer DATE 2-18-65

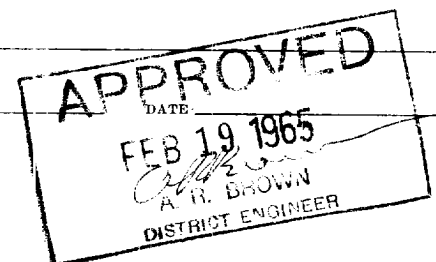
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY: _____

TITLE _____

*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.

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10. Swab test.
11. Set Cast iron bridge plug at 5500'.
12. Run cmt bond log
13. If Penrose Skelly is not covered w/cmt perf 3970-71 w/4 bullets, set cmt retainer and circulate cmt (220 sx) over Penrose Skelly interval. If Penrose Skelly is covered, omit Step 13.
14. Perf 3868-69 w/4 bullets for lower Penrose Skelly block squeeze.
15. Block squeeze w/100 sx to 3000 psig.
16. Perf 3725-26 w/4 shots for upper Penrose Skelly block squeeze.
17. Block squeeze w/100 sx to 3000 psig. WOC 18 hrs and drill out all cmt.
18. Perforate w/2 holes per ft at following depths: 3726, 36, 40, 43, 56, 3823, 35, 45, 57, 66.
19. Acidize w/1000 gal BDA
20. Swab test.
21. Frac w/20,000 gal oil & 20,000# sand.
22. Swab test.
23. Completion procedure in regards to tbg, pkr, etc., will be determined from results of above work.