

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. Tribal Lease #317	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐		6. IF INDIAN ALLOTTEE OR TRIBE NAME Jicarilla	
2. NAME OF OPERATOR Sentinel Petroleum Corporation		7. UNIT AGREEMENT NAME Tract #13	
3. ADDRESS OF OPERATOR 1700 Broadway, Suite 517, Denver, Colorado 80202		8. FARM OR LEASE NAME Jicarilla-Abel	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 790' FBL and 990' FBL of SE$\frac{1}{4}$ of Sec. 30 At proposed prod. zone Pictured Cliffs - Est. 2450'		9. WELL NO. #4	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT South Blanco-P.C.	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 790'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 30-24N-4W	
16. NO. OF ACRES IN LEASE 160		12. COUNTY OR PARISH Rio Arriba	
17. NO. OF ACRES ASSIGNED TO WELL 160		13. STATE N.M.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS Rotary	
19. PROPOSED DEPTH 2700		22. APPROX. DATE WORK WILL START*	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6810' Gr.			
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE 10-3/4"	SIZE OF CASING 8-5/8"	WEIGHT PER FOOT 240	SETTING DEPTH 160'
6-3/4"	4-1/2"	950	Approx. 2700'
			QUANTITY OF CEMENT 60 sacks 100 sacks

Will set and cement 4-1/2" casing if commercial production is found.

RECEIVED

MAR 1 1965

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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 <u>C. W. Hula Jr.</u> TITLE <u>Geologist</u> DATE <u>2/26/65</u>	
(This space for Federal or State office use)	
PERMIT NO. _____	APPROVAL DATE _____
APPROVED BY _____	TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:	

*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.