

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.

Tribal Lease #317

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla

7. UNIT AGREEMENT NAME

Tract #13

8. FARM OR LEASE NAME

Jicarilla-Abel

9. WELL NO.

#5

10. FIELD AND POOL, OR WILDCAT

South Blanco Pictured11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA**Cliffs****30-24N-4W**

12. COUNTY OR PARISH

13. STATE

Rio Arriba**New Mexico**

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

Sentinel Petroleum Corporation

3. ADDRESS OF OPERATOR

1700 Broadway, Suite 517, Denver, Colorado 80202

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

At surface

880' FWL and 790' FSL of SW $\frac{1}{4}$ Sec. 30

At proposed prod. zone

Pictured Cliffs estimated 2450'

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'**

16. NO. OF ACRES IN LEASE

123.20'17. NO. OF ACRES ASSIGNED
TO THIS WELL**123.20'**

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

approx. 2500'

20. ROTARY OR CABLE TOOLS

Rotary

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

6790' G.L.

22. APPROX. DATE WORK WILL START*

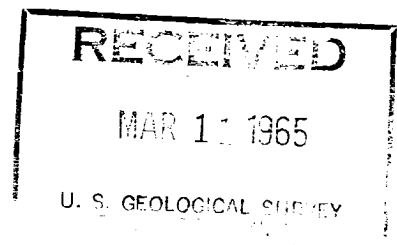
April 1965

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10-3/4"	8-5/8"	24#	100'	60 sacks
6-3/4"	4-1/2"	9.5#	approx. 2500'	100 sacks

If productive, will set 4-1/2" casing, perforate Pictured Cliffs, sand-water frac, run 1-1/4" EUE tubing. Comply with all rules and regulations of U.S.G.S. and New Mexico Oil and Gas Conservation Commission.



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. **SENTINEL PETROLEUM CORPORATION**

SIGNED

TITLE

Agent

DATE

3/9/65

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*Subject to approval to
NSO*

*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 Acreage Dedication Plat

Jicarilla-Abel #5

Section A.

Date March 9, 1965

Sentinel Petroleum Corporation

Operator ~~XXXXXXXXXX~~ Lease Tribal Lease #317 (Tract #13)
 Well No. 5 Unit Letter N Section 30 Township 24 NORTH Range 4 WEST NMPM
 Located 790 Feet From the SOUTH Line, 880 Feet From the WEST Line
 County RIO ARriba G. L. Elevation 6790 Dedicated Acreage SW 1/4 123.20 Acres
 Name of Producing Formation Pictured Cliffs Pool So. Blanco Pictured Cliffs

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?

Yes X No _____

2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes _____ No _____. If answer is "yes", Type of Consolidation.

3. If the answer to question two is "no", list all the owners and their respective interests.

Owner

Land Description



Section B.

Note: All distances must be from outer boundaries of section.

This is to certify that the information
 in Section A above is true and complete
 to the best of my knowledge and belief.

Sentinel Petroleum Corporation

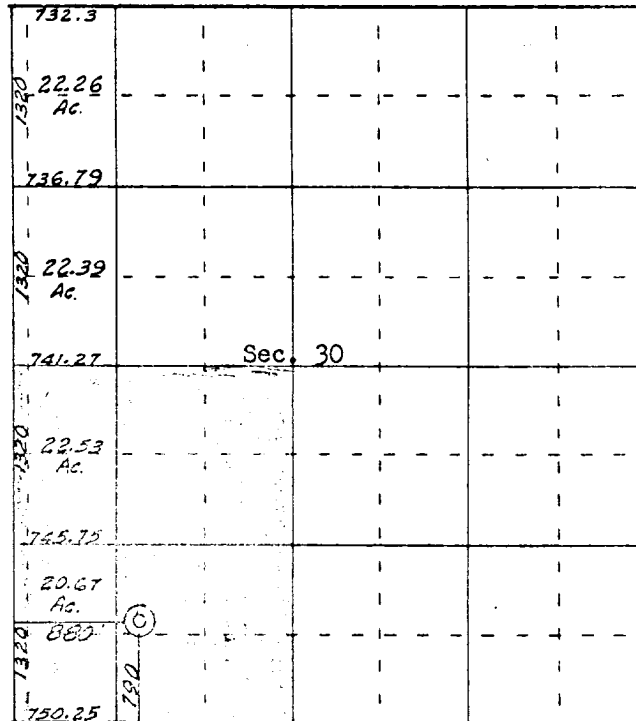
(Operator)

(Representative)

1700 Broadway, Suite 517

(Address)

Denver, Colorado



0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Scale 4 inches equal 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed March 4, 1965

James O. Reese
 Registered Professional Engineer and/or Land Surveyor

