

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

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.*)

1190° FWL and 1190° FSL of SW¹/₄ of Sec. 31At proposed production
Pictured Cliffs - Est. 2450'

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

5. LEASE DESIGNATION AND STATE NO.

Tribal Lease #317

6. INDIAN ALLOTTEE OR TRIBE NAME

Neahula

7. UNIT AGREEMENT NAME

Tract #17

8. NAME OF WELL

Neahula-Abel

9. WELL NO.

7

10. FIELD AND POOL OR WILDCAT

South Blondo, P.C.

11. SEC., T., R., M., OR BLK.

31-24N-4W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

N.M.

15. DISTANCE FROM PROPOSED*

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

1190'

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

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

19. DEPOSED DEPTH

2700

20. REQUIRED TOOLS

Rotary

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

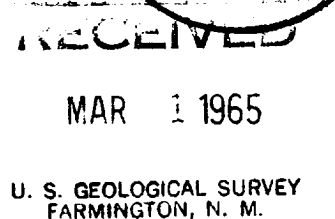
6840.6 Gr.

22. APPROX. DATE WORK WILL START*

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"	0#	Approx. 2700	100 sacks

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

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.

Geologist

2/16/65

SIGNED

C. W. Hulse Jr.

TITLE

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

C. W. Hulse Jr.

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Subject to approval of
ASU

*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

Section A.

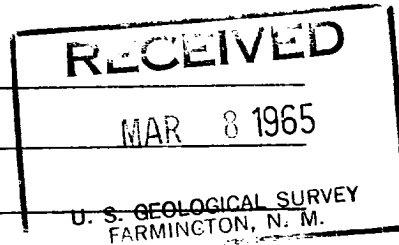
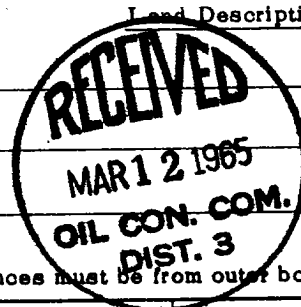
Date March 9, 1965

Operator SENTINEL PETROLEUM COMPANY Lease _____
 Well No. 3 Unit Letter A Section 31 Township 24 NORTH Range 4 WEST NMPM
 Located 1190 Feet From the SOUTH Line, 1190 Feet From the WEST Line
 County SAN JUAN G. L. Elevation 6840.6 Dedicated Acreage 126.28 Acres
 Name of Producing Formation _____ Pool _____

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

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.

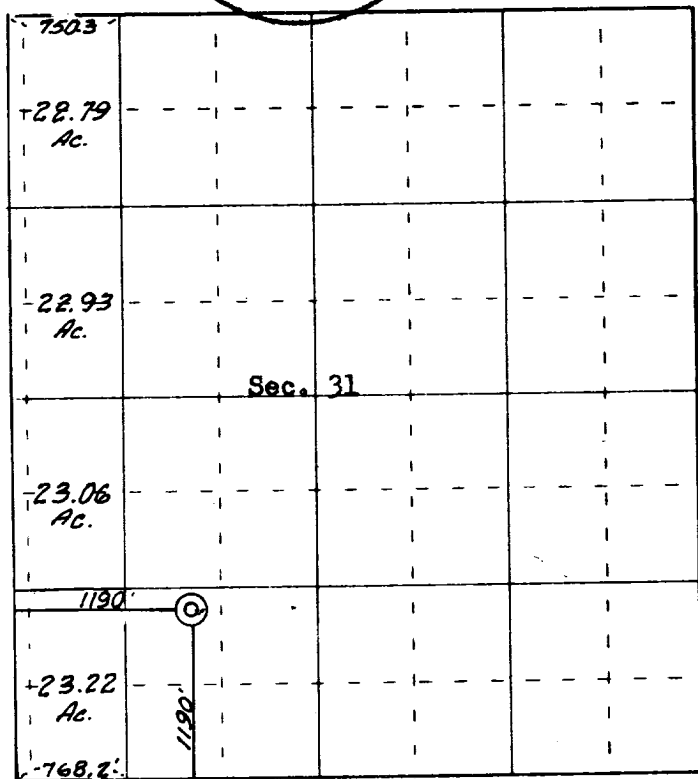
Sentinel Petroleum Company
 (Operator)

J. Ray
 (Representative)

Suite 517 1700 Broadway

(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 February 16, 1965

E. Leese
 Registered Professional Engineer and/or Land Surveyor
 James P. Leese, N. Mex. Reg. No. 1463
 San Juan Engineering Company

