

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

GULF OIL CORPORATION

3. ADDRESS OF OPERATOR

P.O. Box 670, Hobbs, NM 88240

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

At surface

990' FSL & 990' FWL, Sec 33-T26N-R12W

At proposed prod. zone

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)

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. PROPOSED DEPTH

1300'

20. ROTARY OR CABLE TOOLS

Rotary

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

6130' GL

22. APPROX. DATE WORK WILL START*

December 1, 1979

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9-5/8"	7-5/8"	24#	90'	Circulated (approx 100 sx)
6 1/2"	2-7/8"	6.5#	1300'	Circulated (approx 300 sx)

Mud Program: 0- 90'
90-1300'

Fresh water spud mud

Fresh water low solid mud with the following properties:
viscosity 32-37 sec, water loss 20-4cc, weight 8.5-9.0 ppg.

Gas is not dedicated.

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

R. C. Anderson

TITLE Area Production Manager

DATE 10-31-79

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

oh Frank

NMOCC

*See Instructions On Reverse Side

30-045-23922

5. LEASE DESIGNATION AND SERIAL NO.

NOO-C-14-20-7464

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo "LB"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

WAW Fruitland Pic. Cliffs

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec 33-T26N-R12W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

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

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

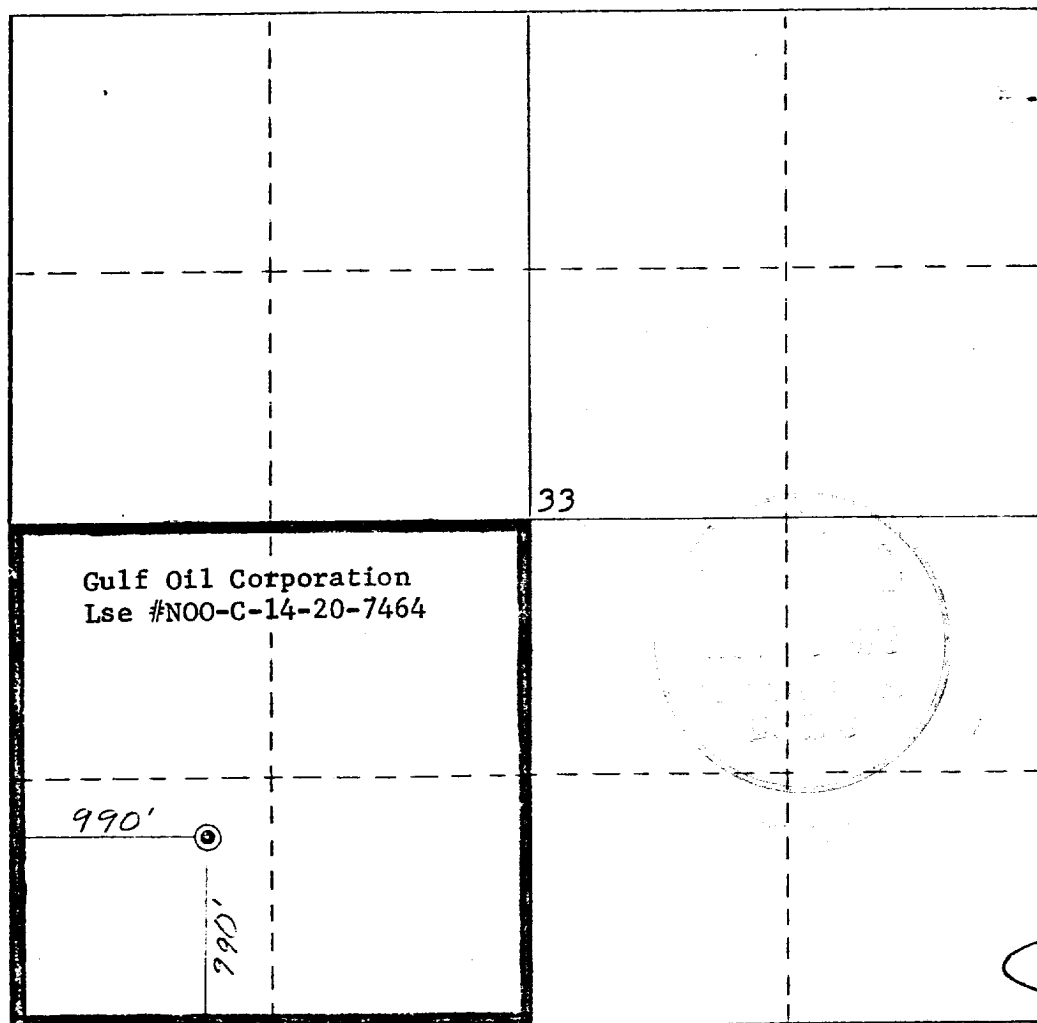
Operator GULF OIL CORPORATION			Lease NAVAJO "LB"		Well No. 1
Unit Letter M	Section 33	Township 26 NORTH	Range 12 WEST	County SAN JUAN	
Actual Footage Location of Well: 990 feet from the SOUTH line and 990 feet from the WEST line					
Ground Level Elev. 6130	Producing Formation Fruitland Pic. Cliffs		Pool WAW Fruitland Pictured Cliffs	Dedicated Acreage: 160 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 been 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.



CERTIFICATION

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

R. C. Anderson

Name

R. C. Anderson

Position

Area Production Manager

Company

Gulf Oil Corporation

Date

10-31-79

I hereby certify that the location shown on this plat is from field notes, 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.

James P. Leese

Date Surveyed

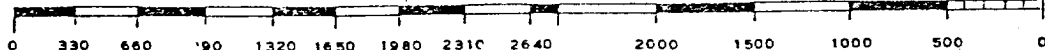
October 9, 1979

Registered Professional Engineer and/or Land Surveyor

James P. Leese

Certificate No.

1463



Gulf Oil Exploration and Production Company

R. C. Anderson
PRODUCTION MANAGER, HOBBS AREA

October 25, 1979

P. O. Box 670
Hobbs, NM 88240

U. S. Geological Survey
P.O. Box 959
Farmington, New Mexico 87401

Gentlemen:

The following is Gulf Oil Corporation's plan for surface restoration associated with the drilling of our Navajo "LB" #1 to be located 990' FSL and 990' FWL, Section 33, Township 26 North, Range 12 West, San Juan County, New Mexico.

After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the well site in as aesthetically pleasing condition as possible. Any unguarded pits containing fluids will be fenced until they are filled.

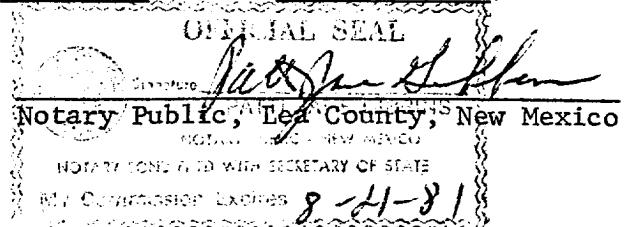
After abandonment of the well, surface restoration will be in accordance with the agreement with the surface owner. Pits will be filled and the location will be cleaned. The pit area, well pad and all unneeded access roads will be ripped to promote revegetation. Rehabilitation should be accomplished within ninety (90) days after abandonment.

Yours very truly,

R. C. Anderson 10.25.79
for R. C. Anderson

GSP:ctw

Subscribed and sworn to before me this 25th day of October, 1979.



A DIVISION OF GULF OIL CORPORATION

Gulf Oil Exploration and Production Company

R. C. Anderson
PRODUCTION MANAGER, HOBBS AREA

October 25, 1979

P. O. Box 670
Hobbs, NM 88240

Re: Application for Permit to Drill
Navajo "LB" Well No. 1
San Juan County, New Mexico

U. S. Geological Survey
P.O. Box 959
Farmington, New Mexico 87401

Gentlemen:

We are submitting the information requested in NTL-6 which should accompany application for permit to drill.

Well: Navajo "LB" Well No. 1

1. Location: 990' FSL and 990' FWL, Section 33, T26N, R12W, San Juan County, New Mexico.
2. Elevation of Unprepared Ground: 6130' GL
3. Geologic Name of Surface Formation: Ojo Alamo Sandstone
4. Type Drilling Tools: Rotary
5. Proposed Drilling Depth: 1300'
6. Estimated Tops of Geologic Markers: Kirtland 140'; Fruitland 812'; Pictured Cliffs 1080'.
7. Estimated Depths at Which Anticipated Gas or Oil-Bearing Formations Expected:
 - a. Pictured Cliffs - 1080'-1150'
8. Casing Program and Setting Depths:

	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Setting Depth</u>
Surface	7-5/8"	24#	H-40	90'
Production	2-7/8"	6.5#	H-40	1300'

9. Casing Setting Depth and Cementing Program:
 - a. Surface casing will be set at 90', cemented with 100 sacks Class "B" neat with 2% CaCl₂.



October 25, 1979

- b. Production casing will be set at 1300' and cemented with 300 sacks Class "B" cement.

NOTE: Volume of cement to be determined after running caliper log at total depth.

10. Pressure Control Equipment: An annular BOP or a double blind and pipe ram BOP will be installed before drilling out below surface casing.
11. Circulating Media:
- a. 0' - 90' Fresh water spud mud.
 - b. 90' - 1300' Fresh water low solid mud with the following properties: viscosity 32-37 sec., water loss 20-4cc, weight 8.5-9.0 ppg.
12. Testing, Logging and Coring Programs:
- a. Formation testing may be done at any depth where samples, drilling rate or log information indicate a possible show of oil or gas.
 - b. Open hole logs will be run prior to running production casing at total depth.
 - c. Coring is not planned.
13. Abnormal Pressure or Temperature and Hydrogen Sulfide Gas: We do not anticipate abnormal pressure, temperature or hydrogen sulfide gas; however, BOP's as described in Item 10 above will be installed.
14. Anticipated Starting Date: Drilling operations should start December 1, 1979.
15. Other Facets of the Proposed Operation: None.

for *CLM* 10-24-79
R. C. Anderson
Area Production Manager

RLV:ctw