

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Wintershall Corporation

(303) 694-0988

3. ADDRESS OF OPERATOR

5251 DTC Pkwy., Ste. 500, Englewood, Co. 80111

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

1645' FNL & 1560' FWL (SENW)

[Unit G]

At proposed location Same

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

10 air miles NNE of Kirtland, New Mexico

5. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY LINE, FT.

(Also to nearest well, unit line, if any)

1,468'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

2,697'

16. NO. OF ACRES IN LEASE

≈250.00

19. PROPOSED DEPTH

5,000'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

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

5,653' ungraded ground

22. APPROX. DATE WORK WILL START*

Oct. 15, 1988

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24* (K-55, ST&C)	240'	≈150 cu ft or to surface
7-7/8"	5-1/2"	15.5* (J-55, LT&C)	5,000'	400 cu ft (5,000'-3,500')
				750 cu ft (2,900'- surf)

RECEIVED

OCT 1 1988

OK

Approval of this agreement/application does not warrant or
certify that the applicant holds legal or equitable title
to those rights in the subject leases(s) which would entitle
the applicant to conduct operations thereon.

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

TITLE

Consultant

DATE

8-28-88

(This space for Federal or State office use)

cc: BIA, BLM(3+2 for NMOC), Clausen(3), G. Hammond, Howell(3)

PERMIT NO.

APPROVAL DATE

NMOC

APPROVED BY

Sally Wisely

TITLE

AREA MANAGER

DATE

OCT 7 1988

CONDITIONS OF APPROVAL, IF ANY:

STIPULATIONS

ATTACHED

APPROVED FOR A PERIOD

NOT TO EXCEED 1 YEAR.

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Wintershall Corporation
Ute Mtn. Ute 27-22
1645' FNL & 1560' FWL
Sec. 27, T. 31 N., R. 14 W.
San Juan County, New Mexico

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8 Point Drilling Program

1. FORMATION TOPS

The estimated tops of important geologic markers are:

<u>Formation Name</u>	<u>Depth from GL*</u>	<u>Depth from KB</u>	<u>Subsea Depth</u>
Lewis	000'	12'	+5,653'
Cliffhouse	1,340'	1,352'	+4,313'
Menefee	1,650'	1,662'	+4,003'
Point Lookout	2,366'	2,378'	+3,287'
Mancos	2,824'	2,836'	+2,829'
Gallup Marker	3,718'	3,730'	+1,935'
Tocito	4,000'	4,012'	+1,653'
Sanostee	4,200'	4,212'	+1,453'
Greenhorn	4,552'	4,564'	+1,101'
Graneros	4,624'	4,636'	+1,029'
Dakota	4,692'	4,704'	+ 961'
Total Depth (TD)	5,000'	5,012'	+ 653'

* ungraded

2. NOTABLE ZONES

All oil and gas shows will be tested and evaluated for commercial potential. Primary objective is the Dakota sandstone. Secondary objectives are the Gallup siltstone, Tocito sandstone, and Sanostee sandstone. Only the Dakota will be developed in this well bore. If other tests are productive, then authorization will be sought as needed to twin another well.

The estimated depths from ungraded GL at which water, oil, gas, or other