

N. M. Oil Cons. Division

811 S. 1ST ST.

ARTESIA, NM 88210-2834 TELETYPE

Form 3160-3
(July 1992)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT(Other instructions on
reverse side)3-20-97 50
3-6-97 romFORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1. TYPE OF WORK

DRILL ☒DEEPEN ☐

2. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

3. NAME OF OPERATOR

LOUIS DREYFUS NATURAL GAS CORP.

4. ADDRESS AND TELEPHONE NO.

14000 Quail Springs Parkway, Ste. 600, OKC, OK 73134

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

At surface

1650' FNL & 1450' FWL

At proposed prod. zone

same

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

2.8 miles NE from Carlsbad

7. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest Grig. Unit line, if any)

1450'

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

NA

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

3380' GL

10.

PROPOSED CASING AND CE

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	Conductor	N/A	40'	Cement to surface w/Redi mix
12-1/4"	J-55 9-5/8"	54.5#	500'	Circ. to surface (sx)
8-3/4"	N-80 7"	23# & 26#	9200'	900 sx circ. to surface
6-1/8"	N-80 4-1/2"	13.5#	11750'	175 sx

1. Drill 17-1/2" hole to 40'. Set 40' of 13-3/8" conductor pipe and cement to surf. w/ Redi-mix.
2. Drill 12-1/4" hole to 500'. Run and set 500' of 9-5/8" J-55 54.5# ST&C csg. Cement with 500 sx Halco Light + additives, tail in with 200 sx premium cement + 2% CaCl. Circulate cement to surface.
3. Drill 8-3/4" hole to 9200'. Run and set 9200' of 7" N-80 23# & 26# LT&C casing. Cement w/ 350 sx Poz "C". Tail in with 100 sx Class "H" neat. 2nd stage: cement with 150 sx 35/65 Poz "C". Tail in with 300 sx Self Stress + additives. DV tool set @ 4,000'.
4. Drill 6-1/8" hole to 11,750'. Run and set 2800' of 4-1/2" N-80 13.5# STL liner. Cement with 175 sx Class "C".

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONSSUBJECT TO
LIKE APPROVAL
BY STATE FOR
UNORTHODOX LOCATION

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM TO DEEPEN, give data on present productive zone and proposed new productive zone. If proposed is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

11.

SIGNED

Raylene Smith

TITLE Regulatory Tech.

DATE 2/19/97

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

(ORIG. SGD.) TONY L. FERGUSON

ADM. MINERALS

APPROVED BY

TITLE

DATE

*See Instructions On Reverse Side

RECEIVED

MAR 26 1997

OIL CON. DIV
DIST. 2

Carlsbad: Morrow, South, Pro Gas

12. LEASE DESIGNATION AND SERIAL NO.

NMNM89154

13. IF INDIAN, ALLOTTEE OR TRIBAL NAME

14. UNIT AGREEMENT NAME

20661

15. FARM OR LEASE NAME WELL NO.

HAPPY VALLEY FEDERAL

#22

16. AP WELL NO.

30-015-29471

17. FIELD AND POOL, OR SUBCATE

Morrow

18. SEC., T., R. OR BLK.
AND SURVEY OR AREA

Unit F Sec. 4-23S-26E

19. COUNTY OR PARISH

Eddy

20. STATE

New Mexico

21. NO. OF ACRES IN LEASE

602.78

22. NO. OF ACRES ASSIGNED
TO THIS WELL

320

23. PROPOSED DEPTH

11,750'

24. ROTARY OR CABLE TOOLS

Rotary

25. APPROX. DATE WORK WILL START

4/6/97

CARLSBAD CONTROLLED WATER BASIN

NSL-3771

Post 4D-1
4-5-97
loc 4 AFI