

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

Southern Union Exploration

3. ADDRESS OF OPERATOR

P.O. Box 2179 Farmington, New Mexico

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

At surface 1815' FWL & 1680' FSL. Sec. 2 T29N-R15W

At proposed prod. zone Same

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

7 miles West of Farmington, NM

15. DISTANCE FROM PROPOSED*

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

300

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

16. NO. OF ACRES IN LEASE

56 FARMINGTON, N.M.

19. PROPOSED DEPTH

4600

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

ROTARY OR CABLE TOOLS

Rotary

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

5252' GL

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED

"GENERAL REQUIREMENTS AND CEMENTING PROGRAM"

23.

SIZE OF HOLE

SIZE OF CASING

WEIGHT PER FOOT

SETTING DEPTH

12 1/4"

8 5/8" J-55 New

23.0

250

7 7/8"

4 1/2" J55 New

10.5

4600

250 cu/ft Class B w/2% cal clorid.

375 65/35 poz, 400 cu/ft 50/50 poz

1. Drill 12 1/4" hole and set 8 5/8" csg to 250 feet w/good returns.
2. Log BOP checks in daily drilling reports and drill 7 7/8" hole to 4600'.
3. Run tests if warranted and run 4 1/2" csg if productive.
4. Run logs as needed and perforate and stimulate as needed.

EXHIBITS ATTACHED:

- A. Location and elevation plat.
- B. Access, roadmap to location and radius map of field.
- C. The blowout preventor diagram.
- D. Multi-point requirements for APD.
- E. Ten point compliance program.
- F. Production facilities layout.
- G. Drill pad layout, cut fill and cross section.
- H. Drill rig layout.

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 Drlg. & Prod. Supervisor

DATE 3-3-83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDED
DATEAPR 26 1983

JAMES F. SIMS
DISTRICT ENGINEER
Acting Area Manager

NABCC

RECEIVED

APR 4 1983

U.S. GEOLOGICAL SURVEY
56 FARMINGTON, N.M.This action is subject to administrative
appeal pursuant to 30 CFR 290.

RECEIVED

APR 27 1983

GEOLOGICAL DIV.
1983