

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

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 *Recompletion*

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Amoco Production Company

3. ADDRESS OF OPERATOR

P.O. Box 68 Hobbs NM 88240

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

At surface

*1980' FNLX 1980' FEL
(Unit G, SW 1/4 NE 1/4)*

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)

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

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

3650' KB

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

10,845

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

22. APPROX. DATE WORK WILL START*

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<i>22"</i>	<i>16"</i>	<i>62.58#</i>	<i>785'</i>	<i>2000</i>
<i>13 3/4"</i>	<i>10 3/4"</i>	<i>40.5 + 45.5</i>	<i>6394'</i>	<i>1735</i>
<i>9 7/8"</i>	<i>7"</i>	<i>26#</i>	<i>12780'</i>	<i>770</i>

Propose to abandon the Penn and recomplete to Bone Springs as follows:

1) POH with production equipment

2) RIH and set CIBP at 10880', cap with 35' (7000) class H

*3) Run CBL from 9000'-7000' * Top of cmt was determined to be 8695' by temp survey. Hole found in csg between 7614 and 7645 was squeezed during workover operations and TCMT was calculated to be 5394', btm of cmt apr 7645'*

4) RIH with 3 1/8" csg gun and perforate a zone 100' above top of cmt (apx 8595')

5) 5 BLM.C 1-JRB 1-FJR 1-GCC

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

Harry C. Clark

TITLE

Asst. Admin. Analyst

DATE

1-9-85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

1-16-85

CONDITIONS OF APPROVAL, IF ANY:

*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 the jurisdiction of such department or agency.

and 50' below btm of cmt. (apx 7700') with 4 JS PF. ⑤ RIH with thg and pkr. Set pkr 100' above lower perf and establish injection rate. Run a fluid caliper to get actual hole volume. POH

⑥ RIH with cmt retainer and set 50' below top perf and pump class H cmt with fluid loss material behind pipe. (Volume to be determined by fluid caliper in step 5)

⑦ Wait on cmt 24 hrs. Drill out and clean out to 10845' and test squeeze

⑧ Place a 120' (25 sk) plug of class H neat cmt from 10480-10360. Place mud between 10,845 - 10480'

⑨ RIH with 4" gun and perforate Bone Springs interval 8155-80' w/4 DPJS PF

⑩ RIH with 2 3/8" thg, pkr, and tail pipe. Set pkr at 7950'.

⑪ Swab and flow test

⑫ If necessary acidize as follows:

a) Run base GA-temp survey from 7900'-8350'

b) Pump 2500 gals 15% NEFE HCl acid w/add

c) Flush acid to perfs with 40 bbls brine water

d) Run after acid survey from 7900'-8350'

⑬ Swab and flow test well and POH

⑭ RIH with production equipment. Land seating nipple at apx 8200' and set anchor at apx 8000'.

⑮ Return well to production