

9/5F

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(November 1983)  
JAN 11 1984  
O. C. D.  
ARTESIA OFFICE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(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 *Recomplete* 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 *1650' FNL X 1653' FWL*  
At proposed prod. zone *(SE 1/4 NW 1/4 Unit F)*

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

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH  
*7610'*

20. ROTARY OR CABLE TOOLS  
*Rotary*

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
*3587 RDB*

22. APPROX. DATE WORK WILL START\*

5. LEASE DESIGNATION AND SERIAL NO.  
*LC-067858*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
*Malco's Federal*

9. WELL NO.  
*1*

10. FIELD AND POOL OR WILDCAT  
*Chalk Bluff Wolfcamp*

11. SEC., T., R., OR BLK. AND SURVEY OR AREA  
*11-18-27*

12. COUNTY OR PARISH  
*Eddy*

13. STATE  
*NM*

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	11 3/4"	47 #	1000'	570 sks
11"	8 5/8"	32 #	6348'	300 sks
7 7/8"	5 1/2" liner	17 #	6277-10138'	855 sks

Propose to abandon the Morrow and recomplete to the Wolfcamp as follows:

- ① DPH with production equipment
- ② RIH and set CIBP at 9500' and cap with 35' (5 sks) class 'H' neat cmt. Top of Morrow is at 9490'.
- ③ Spot a 250' (25 sks) class 'H' neat plug from 7860-7610. \* Place mud between plugs
- ④ Run CBL from 7500-6500'.
- ⑤ If there is not a good cmt. bond between 7000'-7400' a supplemental procedure to

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 *1-7-84*

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE  
APPROVED BY *Mark H. Helling* TITLE *Analyst* DATE *1-9-85*

CONDITIONS OF APPROVAL, IF ANY:  
*0+5 BLM, C 1-JRB 1-FJN 1-GCC 2-NMOCDA*

\*See Instructions On Reverse Side

place cmt. behind pipe will be issued.

- ⑥ Perforate Wolfcamp intervals 7046-62, 7090-7100, and 7382-88 w/4 DPTSPF using a 3 1/8" gun.
- ⑦ RIH with RBP, thg, and pkr. Set RBP at 7450', pkr. at 7280'.
- ⑧ Swab and flow test well
- ⑨ Stimulate Wolfcamp 7382-88' with 1000 gals 15% NEFE HCl gelled acid w/add. and 1000 gals nongelled 15% NEFE HCl w/add. Flush with 30 bbls fresh water.
- ⑩ Swab and flow test well
- ⑪ Release pkr, lower and latch onto RBP. Pull up RBP to 7200' and spot 10' sand on top. Set pkr at 6850'.
- ⑫ Swab and flow test gross interval 7046'-7100'.
- ⑬ Stimulate Wolfcamp 7046-62' and 7090-7100' as follows:
  - \* Tag all acid w/RA material
  - a) Run before treatment GR Temp survey 7170'-6800'.
  - b) Pump 4000 gals 15% NEFE HCl gelled acid w/add in 2 equal stages
  - c) Pump 1000 gals 15% NEFE HCl acid w/add
  - d) flush acid with 29 bbls fresh water
  - e) Run after treatment survey 7170'-6800'
- ⑭ Swab and flow test well
- ⑮ Release pkr and POH with RBP, pkr, and thg.
- ⑯ RIH with 2 3/8" thg with seating nipple on bottom. Land thg at 7450' and anchor at 7350'
- ⑰ Run rods and pump and return well to production.