

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 ☐

2. NAME OF OPERATOR

Amoco Production Company ✓

3. ADDRESS OF OPERATOR

P. O. Box 68, Hobbs, New Mexico 8824

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

At surface

660' FSL X 660' FEL, Unit P

At proposed prod. zone Sec. 27, T-18-S, R-31-E

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

Apx. 12 miles Southeast of Loco Hills

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.

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS

O-TD

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

3651 3641' GL

22. APPROX. DATE WORK WILL START*

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
22"	16"	42.8#	358'	790 sacks
13-3/4"	10-3/4"	40.5, 45.5#	4679'	1600 sacks
9-5/8"	7-5/8"	26.4, 33.7#	11915'	1000 sacks
6-5/8"	5"	18#	11843'-13007'	175 sacks

Propose to test Atoka formation and dual complete with the Devonian as follows:

Set blanking plug in 1.875" profile nipple. Release 2-7/8" tubing at on-off tool and pull tubing. Set a retrievable bridge plug at apx. 11000'. Run Vann gun assembly, 7-5/8" packer (set at apx. 10631'), on-off tool with 1.875" profile nipple, and 2-7/8" tubing to surface. Run gamma ray correlation log. Pressure test. Perforate Atoka intervals 10792'-814' and 10826'-32' with 4 JSPF. Flow test well. If well will not flow, acidize with 3000 gal 7-1/2% MS acid containing 1000 SCF N2/bbl. Flush with 62 bbl 2% KCL brine water containing 1000 SCF N2/bbl. Flow back and swab as necessary. Run bottom hole pressure test. Run blanking plug and land in 1.875" profile. Shut-in well 72 hrs. Retrieve blanking plug. Run 4 point AOF test. If bottom hole pressure does not exceed 4800 psi., or the well produces liquid, dual complete as follows: (If pressure is greater than 4800 psi., or the well is making dry gas, a supplemental brief will follow). Run in tubing and set blanking plug in 1.875 profile.

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

Cathy L. Gorman

TITLE

Assist. Admin. Analyst

DATE

8-8-83

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

(ORIG. SGD.) DAVID R. GLASS

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL

AUG 31 1983

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

Release tubing from on-off tool and swab backside. Pull tubing, packer, guns, and blanking plug. Retrieve the retrievable bridge plug. Run 2-3/8" tubing with 2-7/8" crossover on bottom and parallel anchor located apx. 943' above on-off tool. Land tubing in on-off tool at 11643'. Run 2-3/8" tubing with tapered collars and standard seating nipple on bottom. Land in parallel set at apx. 10700' for Atoka production. Install dual wellhead. Run 2-3/8" tubing (long string) and pull blanking plug. Place Devonian on production and swab to place Atoka on production.