

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
Amoco Production Company
3. ADDRESS OF OPERATOR
P. O. Box 68, Hobbs, New Mexico 88240
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 660' FNL X 1980' FWL, Unit C (NE/4,NW/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)
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
20. ROTARY OR CABLE TOOLS:
21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3561' RDB
22. APPROX. DATE WORK WILL START

5. LEASE DESIGNATION AND SERIAL NO.
LC-031736(b)
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Gillully B Federal RA A
9. WELL NO.
8
10. FIELD AND POOL, OR WILDCAT
Monument-Tubb-Drinkard
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
22-20-37
12. COUNTY OR PARISH
Lea
13. STATE
NM

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	1236'	700 SX-Circulated
7-7/8"	5-1/2"	14,15.5#	6607'	430 SX

Propose to squeeze existing Paddock perfs 5140'-5220' and recompleat back to Tubb-Drinkard and perf additional Tubb-Drinkard intervals 6578'-82' and 6591'-96' and acidize all intervals per the following:

Move in service unit and pull rods and pump. Lower tubing and circulate fill (if any) off of RBP or CIBP at 5350'. If can't circulate, pull out of hole with tubing and RIH with sand bailer and clear off RBP or CIBP. RIH with impression block and determine type of bridge plug at 5350'. If RBP, POH with bit and RIH with tubing and retrieving head. Retrieve RBP. If CIBP, mill out CIBP. RIH with bit and circulate and clean out hole to 6530'. If RBP is found at 6530', retrieve RBP and continue to clean out hole to TD at 6607'. RIH with RBP and set at 5250' and cap with 10' sand. RIH with tubing and treating packer and no tailpipe. Set packer at 5060'. Load backside and begin pumping down tubing to establish injection rates and pressure. Release packer and POH. RIH with tubing and drillable cement retainer on bottom. Set retainer at 5040' (appx. 100' above top perf). Squeeze Paddock perfs with 50 sx 0+6-BLM, R 1-HOU, R.E.Ogden,Rm 21.150 1-F.J.Nash, HOU, Rm. 4.206 1-CMH

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. SIGNATURE *Charles M. Herring* TITLE Administrative Analyst DATE 8-15-83

(This space for Federal or State office use)

PERMIT NO. APPROVED APPROVAL DATE

APPROVED BY (ORIG. SGD.) DAVID R. GLASS TITLE DATE

CONDITIONS OF APPROVAL AUG 31 1983

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.

...ss C cement. Pull out of retainer and reverse excess cement out and POH and WOC. Drill out cement retainer and cement to bottom Paddock perfs at 5220'. Pressure test squeeze and resqueeze is necessary. RIH with tubing and retrieving head on bottom and circulate sand off RBP and retrieve RBP. RIH with 3-5/8" hollow carrier casing gun with 120° phasing. Perforate Tubb-Drinkard intervals 6591'-6596', and 6578'-6582' with 2 JSPF. POH. RIH with tubing, treating packer, and 60' of tailpipe. Set packer at 6300'. Acidize original perfs and new perfs with 4000 gal 15% NEFE HCL with 1 gal/1000 corrosion inhibitor and 200 gal Welchem G-15. Swab well and evaluate production. Install artificial lift as follows:

- A) Release packer and POH with tubing.
- B) RIH with Mother Hubbard and seating nipple on bottom and 2-3/8" tubing to surface. Land tubing at 6575' with tubing anchor at 6460'.
- C) Run pump and rods.

Put on pump and evaluate production.

• GPO 782-931

RECEIVED
SEP 1 1983
O.C.D.
HOBBS OFFICE