

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
M. M. ON COMS. COMMISSION
P. O. BOX 1980
HOBBS, NEW MEXICO 88240

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☐ DEEPEN ☐ PLUG BACK ☒		5. LEASE DESIGNATION AND SERIAL NO. 660549
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Amoco Production Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 68, Hobbs, New Mexico 88240		8. FARM OR LEASE NAME Dunn Federal Com.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1780' FNL X 2180' FWL, Sec. 9 At proposed prod. zone (Unit F, SE/4,NW/4)		9. WELL NO. 2
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 50 miles west of Hobbs, NM		10. FIELD AND POOL, OR WILDCAT Und. Delaware
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 9-19-33
16. NO. OF ACRES IN LEASE		12. COUNTY OR PARISH Lea
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3691.3' 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
17-1/2"	13-3/8"	48#	450'	450 sx Class C
12-1/4"	9-5/8"	40#	5000'	3600 sx 1t, 200 sx Class C
8-3/4"	5-1/2"	23,20,17#	13703'	1850 sx 1t, 600 sx Class H

Propose to abandon the Morrow and recomple to the Delaware per the following:

Move in service unit. Pull tubing and packer. RIH with CIBP and set at 13,150'. Cap with 35' of cement. Spot 48 bbls of 10# brine with 25# gel per bbl. Spot 25 sx of class C neat at $\pm 10,900'$ (Wolfcamp top). Spot 65 bbls of 10# brine with 25# gel per barrel. Spot 25 sx of class C neat at $\pm 7800'$. (Bone Springs top). Pull up to 7450', circulate the well with clean brine. RIH Vann Tool assembly and dry tubing. Land guns at the Delaware interval 7410'-7425'. Drop the bar to perforate. Swab to test productivity.

If necessary, acidize the Delaware as follows:

- Swab back all load.
- Run a base gamma ray/temp. survey.
- Pump 2250 gals of 15% HCl. 220 gals of EGMBE, 2.5 gals of acetic acid, and 2.5 gals corrosion inhibitor.

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.

SIGNED Charles M. Herring TITLE Administrative Analyst DATE 7-19-83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY (Orig. Sgd.) RICHARD W. CHESTER

CONDITIONS OF APPROVAL, IF ANY

TITLE

DATE

*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.

• GPO 782-951

- d) Pump 1500 gals of 3% HF-12% HCL mud acid, 165 gals of EGMBE, 1.5 gals of acetic acid, and 1.5 gals of corrosion inhibitor.

- e) Flush to perfs with 28 bbls of NH4CL water.

Run after treatment gamma ray/temp. survey. Swab back load and put well on production.

RECEIVED

AUG 28 1982

U.S. GEOLOGICAL SURVEY
HOBBS OFFICE