

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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 3092 Houston, Tx 77253 Rm. 16.108

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

At surface

990' FNLX 1980' FWL

At proposed prod. zone Unit C - Sec. 5, T-19-S, R-33-E

NENIL

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

28 miles Southwest of Lovington NM

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

990'

18. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

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

19. PROPOSED DEPTH

3750'

20. ROTARY OR CABLE TOOLS

Rotary

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

22. APPROX. DATE WORK WILL START\*

AUGUST 15, 1992

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" K-55	32#	400'	350 SX CLASS-C-CIRCULATE
7 7/8"	5 1/2" K-55	15.5#	3750'	950 SX CLASS-C-(tie back)

Propose to drill and equip well in Yates formation. After reaching TD, logs will be run and evaluated. Perforate and stimulate as necessary in attempting commercial production.

MUD PROGRAM: 0-400' Fresh water + native mud  
400-3750' Brine water/starch/gel

\*Archeological Survey already submitted.

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

H. J. Blum

TITLE

Stf. Admin. Analyst

DATE

7-14-92

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Gary Brun for

TITLE

DATE

8-17-92

APPROVAL SUBJECT TO ANY:

GENERAL REQUIREMENTS AND

SPECIAL STIPULATIONS

ATTACHED

\*See Instructions On Reverse Side

# OIL CONSERVATION DIVISION

DISTRICT I  
P.O. Box 1908, Hobbs, NM 58248

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Bravo Rd., Artesia, NM 87410

## WELL LOCATION AND ACREAGE DEDICATION PLAT

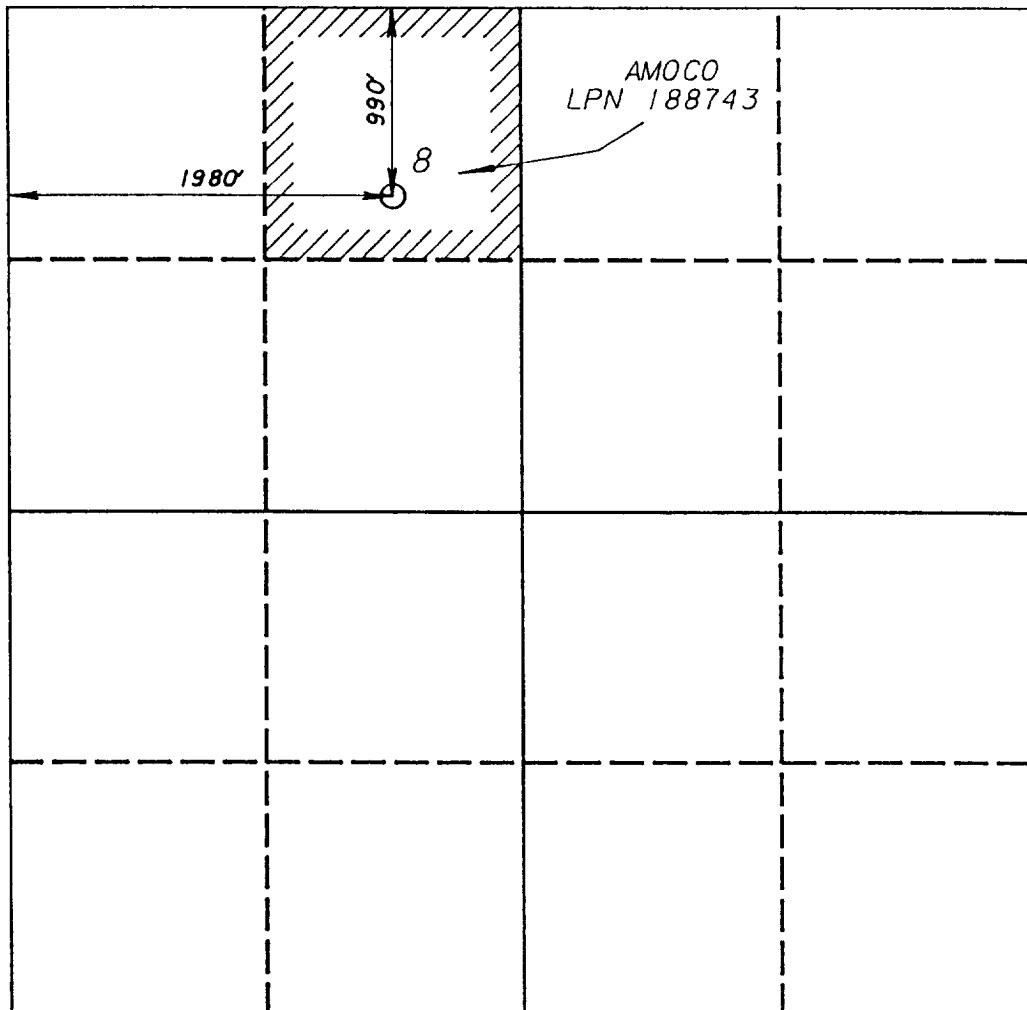
All distances must be from the outer boundaries of the Section.

Operator Amoco Production Company			Lease Nellis Federal		Well No. 8
Unit Letter C	Section 5	Township 19 South	Range 33 East	County Lea	
Actual Footage Location of Well: 990' feet from the North line and 1980' feet from the West line					
Ground Level Elev. 3708.7'		Producing Formation Yates	Pool Buffalo (Yates)		Dedicated Acreage 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, forced-pooling, etc?  
☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



### OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature *H. I. Black*  
Printed Name **H. I. BLACK**  
Position *Stf. Admin. Analyst*  
Company *Amoco Production Company*  
Date *7-14-92*

### SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed *6/9/92*

Signature & Seal of  
Professional Surveyor

*Kerry A. Fisher*  
Certificate No. **11013**

APPLICATION FOR PERMIT TO DRILL  
AMOCO PRODUCTION COMPANY  
NELLIS FEDERAL #8

Nellis Federal #8 - 990' FNL x 1980' FWL of Sec.5 -T19S-R33E,  
Lea County, NM

In conjunction with Form 3160-3, Application for Permit to Drill, Amoco Production Company submits the following items of pertinent information in accordance with Onshore Oil & Gas Order Nos. 1&2, and with all other applicable federal and state regulations.

1. The geologic surface formation is of Permian Age.
2. Estimated tops of geologic markers are as follows:

Transil (B. Salt)	2,930'
Yates	3,115'
3. The estimated depths at which water, oil, or gas formations are expected to be encountered:

\*\* - Oil or gas: Yates 3,115'

\*Ground water to be protected by 8-5/8" surface casing with cement circulated to the surface.

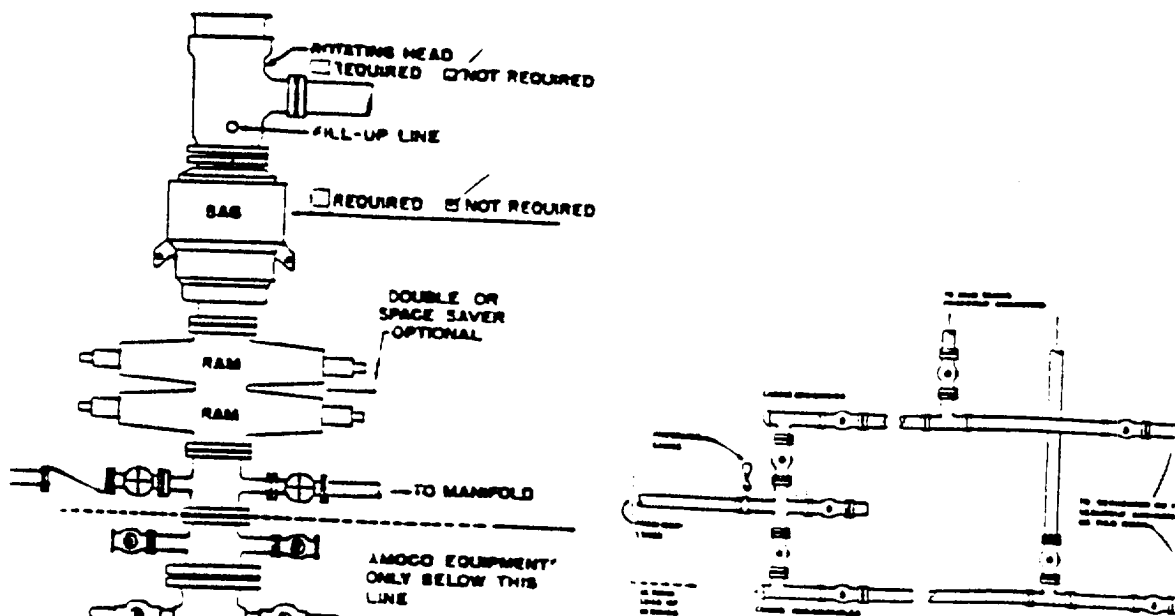
\*\*Potentially productive horizons to be protected by 5-1/2" production casing with cement circulated to surface.
4. Proposed Casing Program: See Form 3160-3 and Attachment #1
5. Pressure Control Equipment: See Attachment #2
6. Mud Program: See Attachment #3
7. Auxiliary Equipment: Upper Kelly Cock, Full Opening Stabbing Valve.
8. Testing, Logging, and Coring Programs:
  - Electric Logs:
    - Dual Laterlog
    - Density-Neutron Porosity Log
    - Gamma Ray/Caliper Log
    - Proximity - Microlog
  - Mud Logger from 2,900' to TD

**ATTACHMENT  
3000# W.P. BOP STACK**

1. BOP's to be fluid operated. BOP's and all fittings must be in good condition and rated at 3,000 psi w.o. minimum.
  2. Equipment through which bit must pass shall be at least as large as casing size being drilled through.
  3. Upper kelly cock is required and shall be 3,000 psi w.o. minimum. Lower kelly cock is (required)(not required).
  4. Hydril or comparable safety valve shall be available on rig floor with connection or subs to fit any tool joint in the string. Valve to be full bore 3,000 psi w.o. minimum.
  5. Hydril or equivalent drill pipe back pressure valve is (required)(not required).
  6. All equipment upstream of chokes, including kill line equipment shall be flanged or clamped and of a test pressure no less than that of the blowout preventer. All valves upstream of choke shall be 3" or 4" gate valves Cameron Type "F" or equivalent. All equipment downstream of chokes may be flanged or screw end gate or plug. Pressure gauge will be Cameron or equivalent. Line from spool to manifold cross and chokes to be a minimum of 3". Straight and short as possible with minimum bends. Choke manifold must be positioned outside or substructure. Manifold, header and all lines must be adequately supported and properly anchored. Two inch (2") lines and valves are permitted downstream of chokes and on the kill line. All valves designated for H<sub>2</sub>S service are (required) (not required). Chokes will be one positive and one adjustable.
  7. Blowout preventer closing unit equipment to include accumulator capable of closing, opening and closing the bag and pipe rams with a minimum remaining pressure of 1200 psi. After closure, the remaining fluid volume will be at least 50 percent of original volume. Two independent sources of pump power are required on each closing unit installation and shall meet all IADC specifications. Operating time for closing unit shall not be greater than one minute with charging pump shut down. Time test must be witnessed by Amoco representative while nipping up and test results reported on IADC report. Failure to meet these conditions will necessitate corrective action by contractor and retesting all at contractor's expense.
  8. The accumulator must be located at least 50 feet from the well. Blowout preventer controls must be properly labeled. Floor control valves are (required)(not required).
  9. Fluid lines from accumulator to BOP's and all remote control fluid lines (if applicable) shall be steel, and rated at or above maximum accumulator pressure. Lines shall be routed in bundles and adequately protected from damage.
  10. Fill up line must be steel. Kill line cannot be used for fill up line.
  11. Use rams in following positions:

Upper Ram Lower Ram	<u>Drilling</u> <u>Drill Pipe</u> Blind	<u>Running Casing</u> <u>Casing</u> Blind
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- \* Amoco District Manager may reverse location of rams.

12. Extensions and hand wheels to be installed and braced at all times.



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RECEIVED  
AUG 19 1992  
JGD MOBBS OFFICE