30-041-20801

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

5A. Indicate Type of Lease STATE ☐ FEE ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
b. Type of Well
DRILL ☒ DEEPEN ☐ PLUG BACK ☐
OIL WELL ☒ GAS WELL ☐ OTHER SINGLE ZONE ☒ MULTIPLE ZONE ☐

7. Unit Agreement Name

8. Farm or Lease Name: Ainsworth

2. Name of Operator: AMOCO PRODUCTION COMPANY

9. Well No.: 1

3. Address of Operator: P.O. BOX 68 HOBBS, NEW MEXICO 88240

10. Field and Pool, or Wildcat: Wildcat Fusselman

4. Location of Well UNIT LETTER A LOCATED 853 FEET FROM THE North LINE AND 330 FEET FROM THE East LINE OF SEC. 4 TWP. 8-S RGE. 36-E NMPM

12. County: Roosevelt

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
11,250'	Fusselman	Rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
4122.6' GL	Blanket-on-File	N/A	November 1, 1985

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13 3/8"	54.5#	400'	Circulate	Surface
12 1/4"	9 5/8"	32#, 36#	4,000'	Tieback to 13 3/8"	400'
8 3/4"	5 1/2"	15.5#, 17#	11,250'	Tieback 500' above CISCO	8590'

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

Mud Program

0-400' - Spud Mud

400-4,000' - Brine

4,000'-TD - Cut Brine/Salt Gel/Starch

Permit Expires 6 Months From Approval Date Unless Drilling Underway.

BOP Diagram attached

0+5 NMOCD, H 1-JRB 1-FJN 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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Charles M. Herring Title Administrative Analyst (SG) Date 10-15-85

(This space for State Use)

APPROVED BY Eddie W. Seay TITLE Oil & Gas Inspector DATE OCT 16 1985

CONDITIONS OF APPROVAL, IF ANY:

NEW _XICO OIL CONSERVATION COMMISSIO.

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
AMOCO PRODUCTION COMPANY	R. N. AINSWORTH	1

Unit Letter	Section	Township	Range	County
A	4	8 SOUTH	36 EAST	ROOSEVELT

Actual Footage Location of Well:
853 feet from the NORTH line and 330 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
4122.6'	Fusselman	Wildcat Fusselman	40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

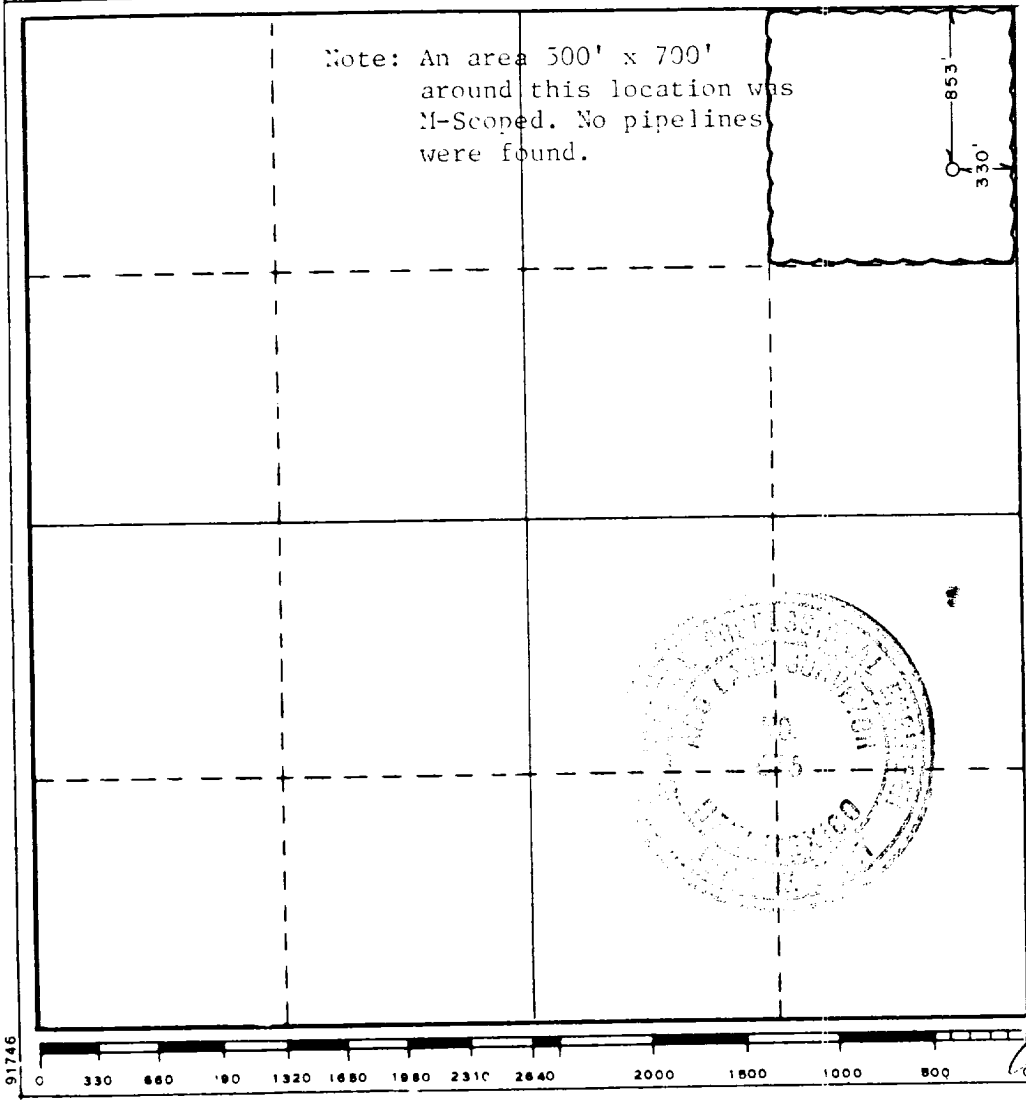
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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, force-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 Commission.



CERTIFICATION

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

Name: Carla M. Herring
Position: Admin. Analyst (SG)
Company: Amoco Production Company
Date: 10/15/85

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
OCTOBER 12, 1985

Registered Professional Engineer and/or Land Surveyor
John W. West

Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239

91746

3000# W.P. TWO-RAM BOP

1. BOP's to be fluid operated. BOP's and all fittings must be in good condition and rated at 3000 psi w.p. 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 3000 psi w.p. 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 5000 psi w.p. 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") (4") gate valves Cameron Type "F" or equivalent. All equipment downstream of chokes may be flanged or screw end gate or plug. Line from spool to manifold cross to be a minimum of 3", straight and short as possible with minimum bends. Other lines may be 2", 3" or 4". Choke manifold, beyond second valve from cross, must be positioned outside of substructure. Manifold, header and all lines must be adequately supported and properly anchored. Two inch (2") lines and valves are permitted on the kill line. All valves designated for H_2S service are (required) (not required).
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 nippling 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 and located as close to drillers position as feasible. Floor control valves are (required)(not required).
9. Fluid lines from accumulator to BOP's and all remote control fluid lines shall be steel, and rated at or above maximum accumulator pressure. Lines shall be routed in bundles and adequately protected from damage.
10. Use rams in following positions:*

	Drilling	Running Casing
Upper ram	Drill pipe	Casing
Lower Ram	Blind	Blind

*Amoco District Superintendent may reverse location of rams.

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