

UNITED STATES 88240
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

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

At surface

1980 FNL x 1980 FWL, Sec. 7

At proposed prod. zone

(Unit F, SE/4, NW/4)

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

Approx. 7 miles south of Maljamar, NM

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

19. PROPOSED DEPTH

12,800

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

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

3786.3

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#	650	circ.
12-1/4"	9-5/8"	36#	5100	tie back to 13-3/8"
8-3/4"	5-1/2"	17#, 20#, 23#	12,800	tie back to 500' above Bone Spring (Approx. 5610')

Propose to drill and equip well in the Morrow Formation. After reaching TD, logs will be run and evaluated. Will perforate & stimulate as necessary in attempting commercial production.

Mud Program: 0- 650 Native Mud & Fresh water
650-4900 Native Mud & Brine water
4900-11500 Commercial Mud & Brine water with minimum properties
for safe hole conditions.
11500-TD Commercial Mud & brine. Raise viscosity and reduce
water loss prior to Morrow penetration.

Archaeological survey attached

Gas is not dedicated

BOP program attached

0+6 USGS R 1-Hou 1-Susp 1-MDR 1-W Stafford Hou 1-Galaxy Oil
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 Mark Randolph TITLE Assist. Admin. Analyst DATE 12-1-81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY

APPROVED

DEC 21 1981

JAMES A. GILLHAM
DISTRICT SUPERVISOR

See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
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

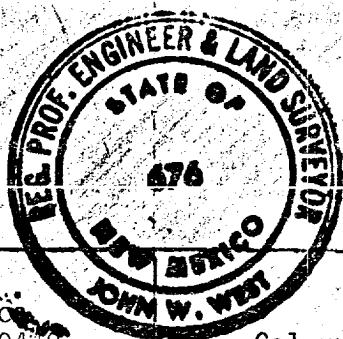
Lessor Amoco Producing Company			Lessee Federal C. S. Co.			Well No. 1		
Section F	Section 7	Township 18 South	Range 32 East	County Lea				
Actual True North Location of Well: 1980 feet from the North line and 1980 feet from the West line								
Ground Level Elev. 3786.3	Producing Formation Morrow		Pool Wildcat Morrow			Dedicated Acreage: 320 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, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation Communitization

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.

Amoco NM 40450 		Conoco NM 40449 Galaxy 1/2 Gulf 1/4 C. Barton 1/4 NM 40448
Working Interest: Cities Service Co. 10.75415 Conoco Inc. 19.20820 Amoco Prod. Co. 17.90150 Belco Petroleum Co. 19.99705 Gulf Oil Co. 20.01665 Rupe Resources 10.07210 Galaxy Oil Co. .07230 Estate of Roy Charles Worth 1.97805 100.0%		Royalty: U.S.

CERTIFICATION

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

Name Mark Randolph
 Position Assist. Admin. Analyst
 Company Amoco Production Company
 Date 12-4-81

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 11/25/81
 Registered Professional Engineer and/or Land Surveyor

John W. West
 Certificate No. JOHN W. WEST 476
PATRICK A. ROMERO 6868
Ronald J. Edison 3239



Drilling Manual
Anco Production Company
Houston Division

Section

BOP EQUIPMENT

Subject Number

J-2

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18/31

Subject

BOP ARRANGEMENTS AND REQUIREMENTS

10000 PSI BOP Stack
Safety String Size 9 5/8"

Well Name

Rio

ROTATING HEAD

Full on line

NOTE: Use North Street
Pipe 11" 10 m' lead to
TEST STACK - TEST 1373
Flange with Flange Pump.

DO NOT USE Ret.
Bridge Plug in 9 5/8" Bse.

BAG

KILL LINE FROM
MUD PUMP

RAM

RAM

DRILLING
SPOOL

4" HCR

TO MANIFOLD

RAM

CONNECTION FOR
HIGH PRESSURE
PUMP

Collar 8' long

Get off 7 1/2" h.d. G.L.

ANCOO EQUIPMENT
ONLY BELOW THIS
LINE

23 1/2"

24"

20" BOP

21"

June 1, 1970