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APR 18 1985 UNITED STATES  
DEPARTMENT OF THE INTERIOR  
O. C. BUREAU OF LAND MANAGEMENT

Artesia, NM 88210  
SUBMIT BY TRIPlicate\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985  
30-015-25262

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

Penta Exploration Company

3. ADDRESS OF OPERATOR

310 W. Texas, Suite 210, Midland, Texas 79701

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

At surface

760' FSL & 660' FWL SW/4 SW/4 Unit letter M

At proposed prod. zone

Same

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

10 air miles southeast of Malaga, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

561.18

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH

8000'

20. ROTARY OR CABLE TOOLS

Rotary

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

3082.7' GR

22. APPROX. DATE WORK WILL START\*

April 20, 1985

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"	48.0#	350'	Sufficient to Circulate
11.0"	8 5/8"	24.0 & 32.0#	3400'	Cement to Base of Salt
7 7/8"	5 1/2"	15.5 & 17.0#	T.D.	Cement to isolate all oil, gas, and water zones.

Proposed plans are to drill to the Bone Spring formation and test for possible commercial production of oil and gas,

Designation of Operator from Exxon Corporation is enclosed.

B.O.P. sketch is attached.

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

Leary W. Franklin

TITLE

Agent

DATE

4/12/85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

4-19-85

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS

\*See Instructions On Reverse Side

**MEXICO OIL CONSERVATION COMMISS. V**  
**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.

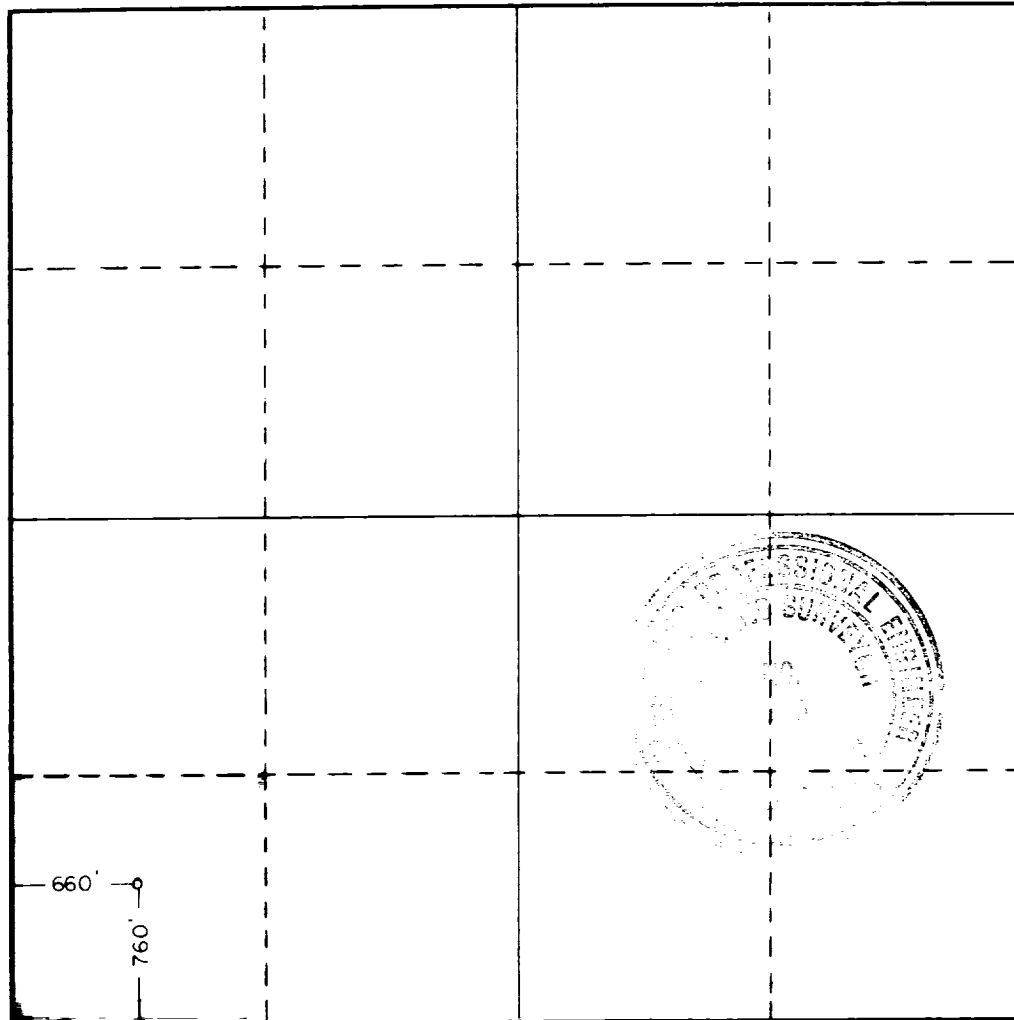
Operator <b>PENTA EXPLORATION CO.</b>			Lease <b>EXXON FED.</b>		Well No. <b>1</b>
Unit Letter <b>M</b>	Section <b>31</b>	Township <b>25S</b>	Range <b>30E</b>	County <b>EDDY</b>	
Actual Footage Location of Well: <b>760</b> feet from the <b>SOUTH</b> line and <b>660</b> feet from the <b>WEST</b> line					
Ground Level Elev. <b>3082.7</b>	Producing Formation <b>Bone Spring</b>		Pool <b>Wildcat</b>	Dedicated Acreage: <b>40</b> 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 \_\_\_\_\_

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  
**Terry W. Franklin**

Position  
**Agent**

Company  
**Penta Exploration Co.**

Date  
**4/11/85**

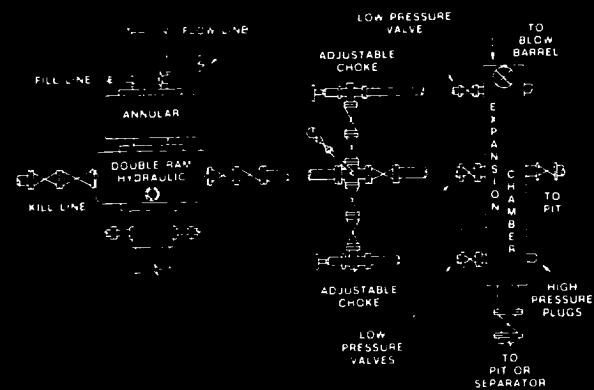
*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.*

Date Surveyed  
**4/9/85**

Registered Professional Engineer and/or Land Surveyor

*John W. West*

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



Standard Blowout Preventer Stack

## SUPPLEMENTAL DRILLING DATA

Penta Exploration Company  
Exxon Federal No. 1  
760' FSL & 660' FWL  
Sec. 31, T25S, R30E  
Eddy County, N.M.  
NM - 27647

The following information is in accordance with the Onshore Oil and Gas Order No. 1.

1. Surface Formation: Recent.

2. Estimated Geological Marker Tops:

Lamar	3390'	Bone Spring	7280'
Cherry Canyon	4290'	1st Bone Spring	7500'
Brushy Canyon	5690'	Sand	

3. Estimated Depths to Oil, Gas and Water:

Water	300'
Oil & Gas	Bone Spring 7600 - 7900'

4. Proposed Casing and Cement Program:

Surface Casing: Set approximately 350', 13 3/8", 48.0# H-40, ST&C casing. Cement sufficient to circulate cement to surface.

Intermediate Casing: Set approximately 3400', 8 5/8", 24.0 & 32.0#, J-55, ST&C casing. Cement sufficient to circulate to base of salt.

Production Casing: Set to total depth, 5 1/2", 15.5 & 17.0#, J-55, LT&C casing. Cement sufficient to isolate all oil, gas and water zones.

5. Pressure Control Equipment: B.O.P. sketch is attached.

6. Testing, Logging and Coring Programs:

Testing: None.

Logging: 1. Compensated Neutron Density  
2. Dual Laterolog - Micro - SFL  
Mud logging unit from 4000 to total depth.

Coring: None anticipated.



↑  
N

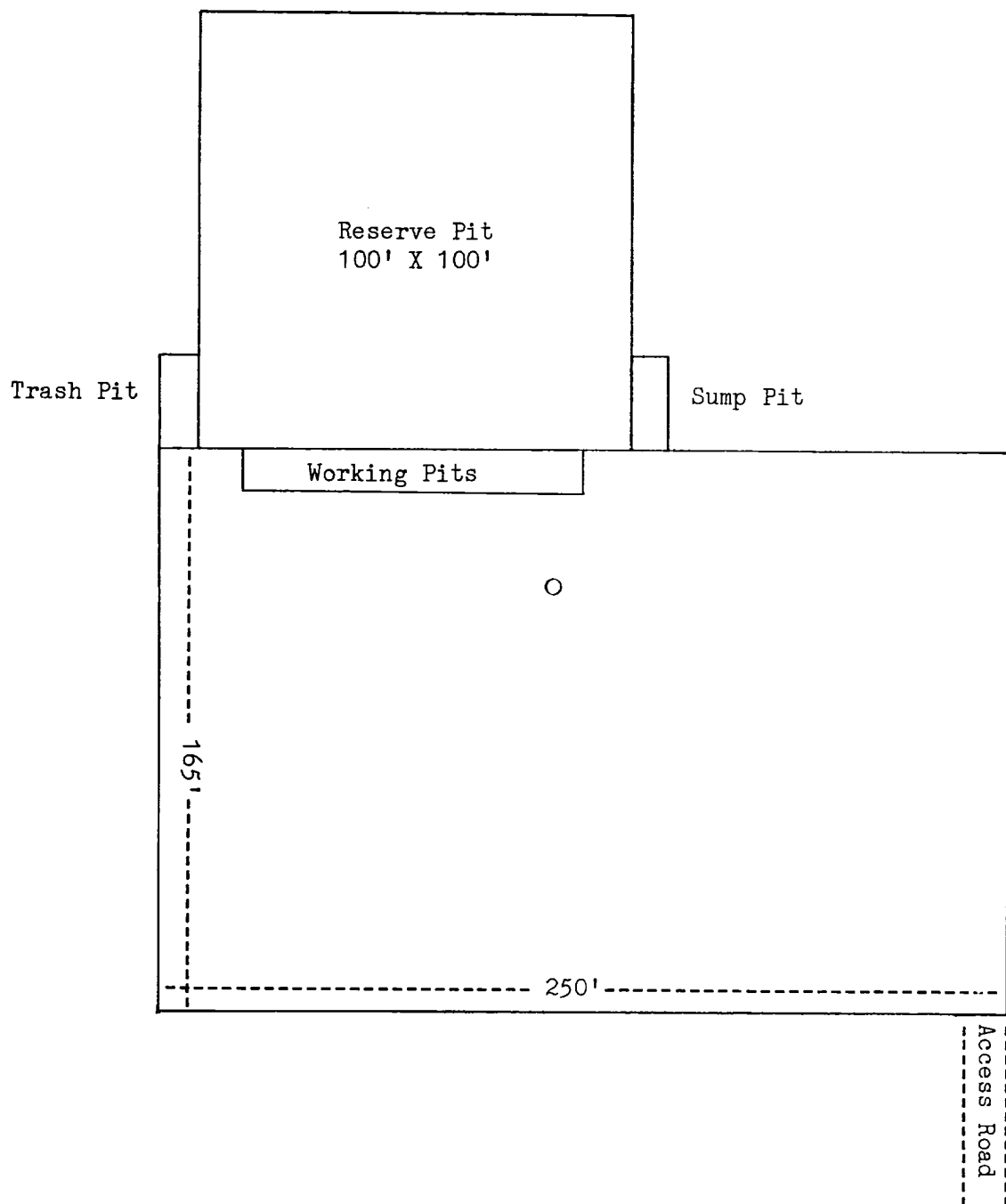


Exhibit 'C'  
Penta Exploration Company  
Exxon Federal No. 1  
760' FSL & 660' FWL  
Sec. 31, T25S, R30E