

OPER. OGRID NO. 17841PROPERTY NO. 9316IF LIGATE\*  
tions on  
le)FORM APPROVED  
OMB NO. 1004-0136  
Expires: February 28, 1995UNI  
DEPARTMENT POOL CODE 51683BUREAU OF EFF. DATE 12/11/95

## APPLICATION FOR P

API NO. 38-025-33224

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

POGO Producing Company

## 3. ADDRESS AND TELEPHONE NO.

P.O. Box 10340 Midland, Texas 79702 (915-682-6822)

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

At surface

660' FNL & 1980' FEL Sec. 25 T22S-R32E Lea Co. New Mexico

At proposed prod. zone Same

Unit B

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

Approximately 30 miles East of Carlsbad, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.

660'

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

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

1320'

## 16. NO. OF ACRES IN LEASE

1280

## 19. PROPOSED DEPTH

10,200'

## 17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3748 GR.

## 22. APPROX. DATE WORK WILL START\*

As soon as approved

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

Carlsbad Controlled Water Basin

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	J-55 13 3/8"	54.5#	800'	700 Sx. Circulate to surface
11"	J-55 N-80 8 5/8"	32#	4600'	1400 Sx. Circulate to surface
7 7/8"	J-55 N-8- 5 1/2"	17#	10,200	1100 Sx. Top cement 4400'

1. Drill 17 1/2" hole to 800'. Run and set 800' of 13 3/8" 54.5# J-55 ST&C casing. Cement with 500 Sx. light cement, tail in with 200 Sx. Class "C" + 2% CaCl. Circulate cement to surface.
2. Drill 11" hole to 4600'. Run and set 4600' 8 5/8" as follows: 300' of 8 5/8" 32# N-80 ST&C, 4300' of 8 5/8" 32# J-55 ST&C. Cement with 1200 Sx. light cement with 10% Salt, tail in with 200 Sx. Premium cement + 1% CaCl. Circulate cement to surface.
3. Drill 7 7/8" hole to 10,200'. Run and set 10,200' 5 1/2" casing as follows; 3200' of N-80 17# LT&C, 6000' of J-55 17# LT&C, 1000' of N-80 17# LT&C casing. Cement with 700 Sx. light cement tail in with 400 Sx Premium cement. Bring cement back to at least 200' into the 8 5/8" casing.

Approval Subject to  
General Requirements and  
Special Stipulations  
Attached

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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

*Joe T. Janica*

TITLE Agent

DATE 10/11/95

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions On Reverse Side

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-025-33224</b>	Pool Code 51683	Pool Name RED TANK BONE SPRING
Property Code 009316	Property Name COVINGTON "A" FEDERAL	Well Number 16
OGRID No. 17891	Operator Name POGO PRODUCING COMPANY	Elevation 3748

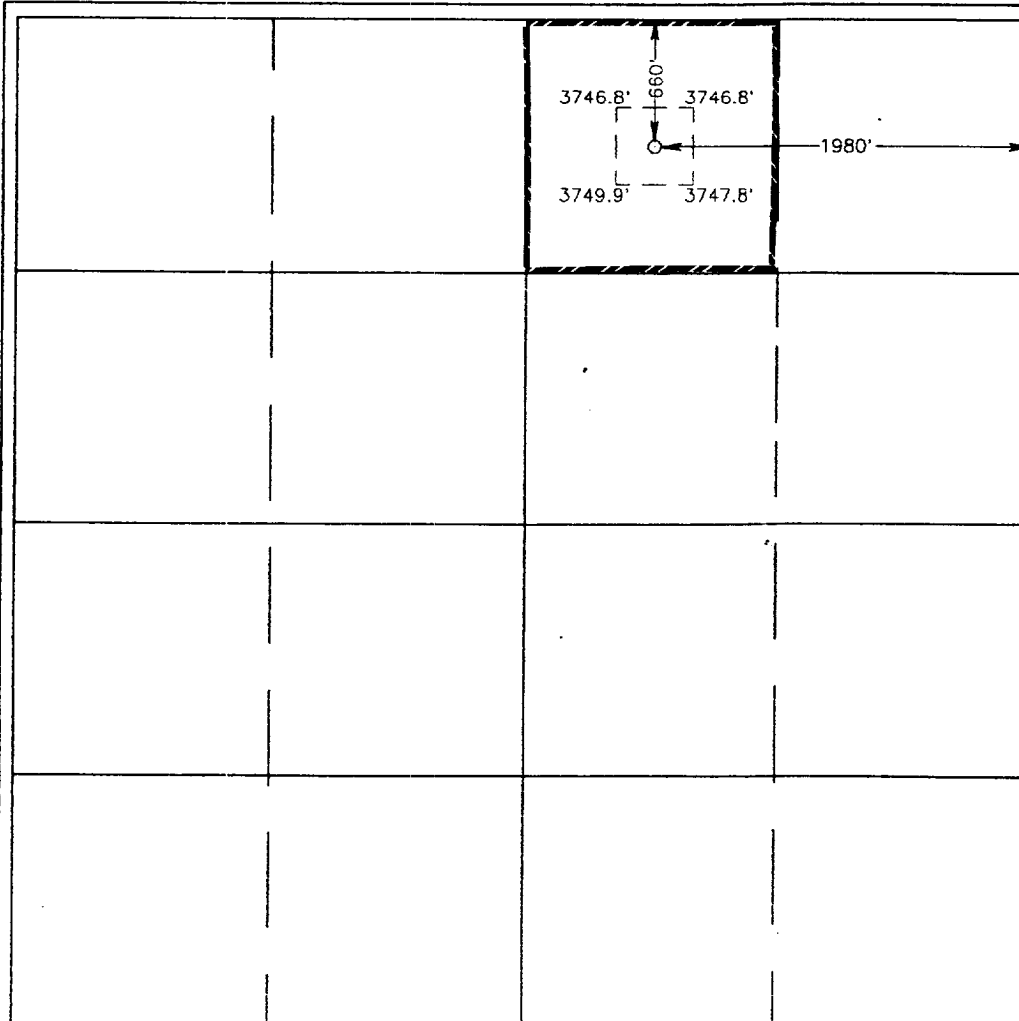
Surface Location

UL or lot No. B	Section 25	Township 22 S	Range 32 E	Lot Idn	Feet from the 660	North/South line NORTH	Feet from the 1980	East/West line EAST	County LEA
--------------------	---------------	------------------	---------------	---------	----------------------	---------------------------	-----------------------	------------------------	---------------

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

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

*Richard L. Wright*  
Signature

Richard L. Wright

Printed Name

Division Operations Mgr.

Title  
10/11/95

Date

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 belief.

SEPTEMBER 9, 1995

Date Surveyed SJ4

Signature & Seal of  
Professional Surveyor

*John W. Edson*  
NEW MEXICO  
9-26-95  
Num. 95-11-2568

Certified No. JOHN W. EDSON 676  
3239  
12641

EXHIBIT "A"

# APPLICATION TO DRILL

POGO PRODUCING COMPANY  
COVINGTON "A" FEDERAL # 16  
660' FNL & 1980' FEL SEC. 25  
T22S-R32E LEA CO. NM

In response to questions asked under Section II B of Bulletin NTL-6 the following information is provided for your consideration:

1. Location: 660' FNL & 1980' FEL SEC. 25 T22S-R32E LEA CO. NEW MEXICO
2. Elevation above sea level: 3748 GR.
3. Geologic name of surface formation: Quaternary Aeolian Deposits.
4. Drilling tools and associated equipment: Conventional rotary drilling rig using fluid as a circulating medium for solids removal.
5. Proposed drilling depth: 10,200'
6. Estimated tops of geological markers:

Rustler Anhydrite	850'	Brushy Canyon	7400'
Delaware Lime	4800'	Bone Spring	8800'
Cherry Canyon	6100'		

7. Possible mineral bearing formations:

Delaware	Oil
Bone Spring	Oil

8. Casing program:

HOLE SIZE	INTERVAL	OD CSG	WEIGHT	THREAD	COLLAR	GRADE	COND.
17½"	0-800'	13 3/8"	54.5#	8-R	ST&C	J-55	New
11"	0-4300'	8 5/8"	32#	8-R	ST&C	J-55	New
11"	4300-4600'	8 5/8"	32#	8-R	ST&C	N-80	New
7 7/8"	0-1000'	5½"	17#	8-R	LT&C	N-80	New
	1000-7000'	5½"	17#	8-R	LT&C	J-55	New
	7000-10,200'	5½"	17#	8-R	LT&C	N-80	New

## APPLICATION TO DRILL

POGO PRODUCING COMPANY  
COVINGTON "A" FEDERAL # 16  
660' FNL & 1980' FEL SEC. 25  
T22S-R32E LEA CO. NM

### 9. Cementing and Setting Depth:

13 3/8"	Surface	Set 800' of 13 3/8" 54.5# J-55 ST&C csg. Cement W/500 Sx. light tail in W/200 Sx. Class "C" + 2% CaCl Circulate to surface.
8 5/8"	Intermediate	Set 4600' of 8 5/8" 32# J-55 & N-80 ST&C Cement W/1200 Sx. light +10% Salt tail in W/200 Sx. Premium + 1% CaCl circulate cement to surface.
5 1/2"	Production	Set 10,200' of 5 1/2" 17# J-55 & N-80 LT&C Cement W/700 Sx. light tail in W/400 Sx. Premium. Top cement 200' into 8 5/8" csg.

10. Pressure Control Equipment: Exhibit "E". A Blow-out Preventer (no less than 900 series 3000 psi working pressure) consisting of double ram type preventer with bag type preventer. Units will be hydraulically operated. Exhibit "E-1" Choke Manifold and Closing Unit. Blind rams on top, pipe rams on bottom to correspond with size of drill pipe in use. BOP will be nipped up on 13 3/8 casing and remain on well until casing is run and cemented. BOP will be tested as well as choke manifold. BOP will be worked at least once each day while drilling and blind ram will be worked on trips when no drill pipe is in hole. Flow sensor PVT, full opening stabbing valve and upper kelley cock will be utilized. No pressures greater than 2000 psi anticipated.

### 11. Proposed Mud Circulating System:

<u>Depth</u>	<u>Mud Wt.</u>	<u>Mud Visc.</u>	<u>Fluid Loss</u>	<u>Type Mud</u>
0-800'	8.4-8.6	28-32	NC	Fresh water Spud mud use gel and paper to clean hole
800-4600'	10.0-10.2	28-32	NC	Brine water gel add paper for seepage & cleaning hole use Lime for pH control.
4600-TD.	8.4-8.6	28-32	NC	Fresh water gel adding paper for seepage control if water loss control is needed use starch.

## APPLICATION TO DRILL

POGO PRODUCING COMPANY  
COVINGTON "A" FEDERAL # 16  
660' FNL & 1980' FEL SEC. 25  
T22S-R32E LEA CO. NM

### 12. Testing, Logging, and Coring Program:

- A. Mud logger on from 4600'± to TD.
- B. DST'S possible as shows dictate.
- C. No cores are planned.
- D. Open hole electric logs include Dual-laterlog, Gamma Ray, Density CNL and caliper.

### 13. Potential Hazards:

No abnormal pressures or temperatures are expected during the drilling of this well. Hydrogen Sulfide ( $H_2S$ ) is expected in this wellbore; however all precautions will be taken and  $H_2S$  detection equipment will be employed. Lost circulation may be encountered in some zones that will be penetrated. Mud weight and other properties will be closely monitored and lost circulation material will be on location throughout the drilling operation.

### 14. Anticipated spud date and duration of operation:

Road and location will begin after the BUREAU OF LAND MANAGEMENT has approved this APD. Anticipated spud date is 11/01/95. Drilling is expected to take 10 to 15 days. If production casing is run an additional 30 days will be required to complete and construct surface facilities in order to place well on production.

### 15. Other facets of operation:

After running casing cased hole correlation logs will be run from TD over the pay intervals. The Bone Spring pay will be perforated and stimulated. The well will be stimulated, swab tested and completed as an oil well

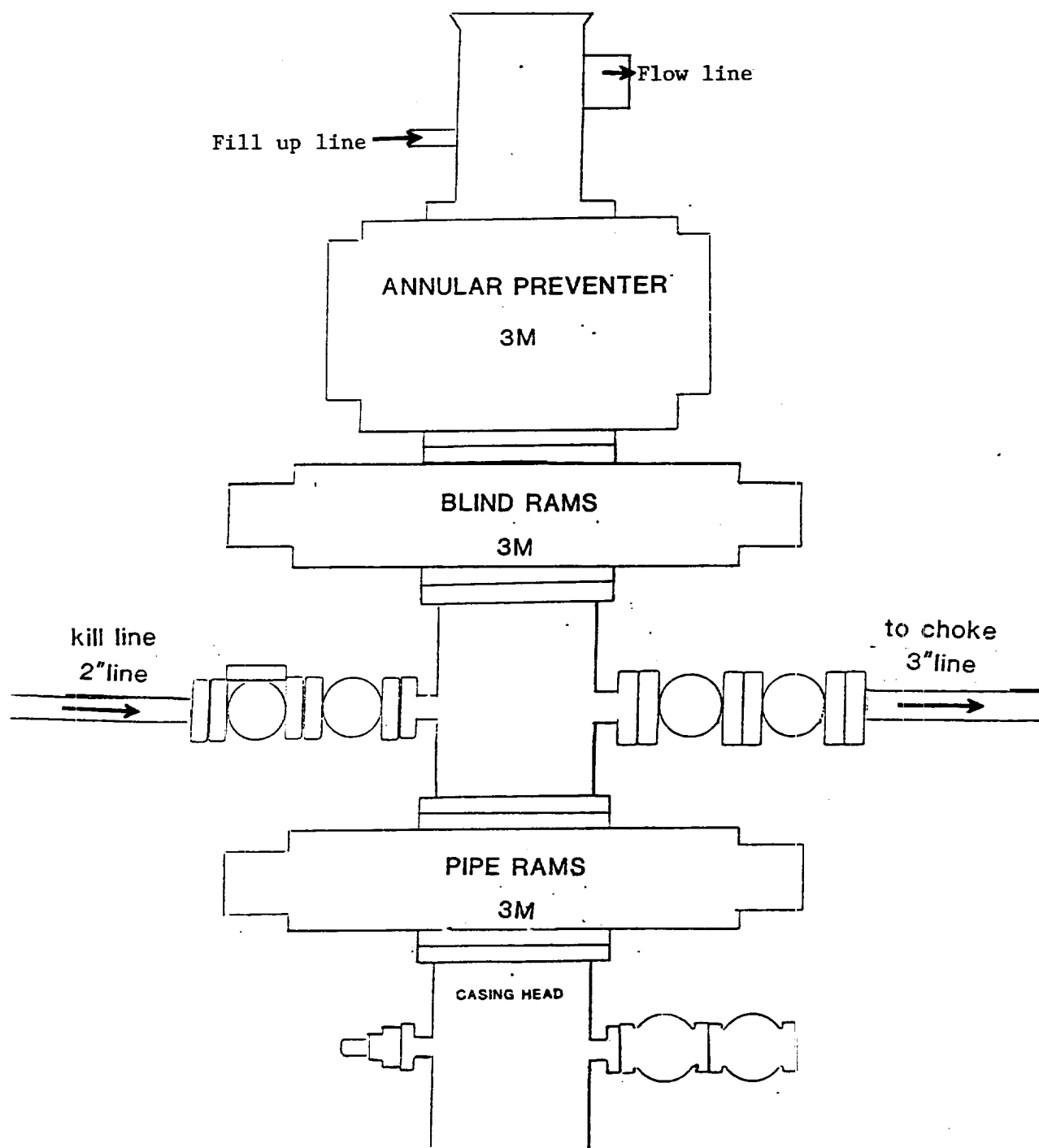


EXHIBIT "E"  
 B.O.P. SKETCH TO BE USED ON  
 POGO PRODUCING COMPANY  
 COVINGTON "A" FEDERAL # 16  
 660' FNL & 1980' FEL SEC. 25  
 T22S-R32E LEA CO. NM

1930