

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-101  
Revised February 10, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address: Pogo Producing Company P.O. Box 10340 Midland, Texas 79702		RECEIVED OCT 21 1996	OGRID Number 017891
Property Code 17565	Property Name Harroun "15"	OIL CON. DIV.	API Number 30-015-29233
		Well No. 3	

Surface Location DIST. 2									
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
H	15	24S	29E		1657'	North	330'	East	Eddy

Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Proposed Pool 1 96473 Pierre Crossing, Bone Spring, East					Proposed Pool 2				

Work Type Code	Well Type Code	Cable/Rotary	Lease Type Code	Ground Level Elevation
N	O	R	S	2937'
Multiple	Proposed Depth	Formation	Contractor	Spud Date
S	8250'	Bone Springs	N/A	Upon Approval

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48# J-55	500'	600 sks.	Surface
11"	8-5/8"	24 & 32# J55	2950'	1200 sks.	"
7-7/8"	5-1/2"	15.5# & 17# J55	9300'	900 sks.	1900'

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

This proposed well is a Delaware/Bone Springs test.

B.O.P. Sketch is attached.

Posted ID:  
NL or GPI  
10-25-96

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>James M.C. Ritchie, Jr.</i>		OIL CONSERVATION DIVISION	
Printed name: James M.C. Ritchie, Jr.		Approved by: ORIGINAL SIGNED BY TIM W. GUM	
Title: Agent		Title: DISTRICT II SUPERVISOR	
Date: 10/16/96		Approval Date: 10-24-96	Expiration Date: 10-24-97
Phone: (915) 682-6601		Conditions of Approval: Attached <input type="checkbox"/>	

DISTRICT I  
P.O. Box 1990, Hobbs, NM 88241-1990

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 30-015-79233	Pool Code 96473	Please Pool Name Crossing Undesignated (Bone Springs), East
Property Code	Property Name HARROUN 15	Well Number 3
OGRID No. 017891	Operator Name POGO PRODUCING COMPANY	Elevation 2937'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	15	24 S	29 E		1657	NORTH	330	EAST	EDDY

Bottom Hole Location If Different From Surface

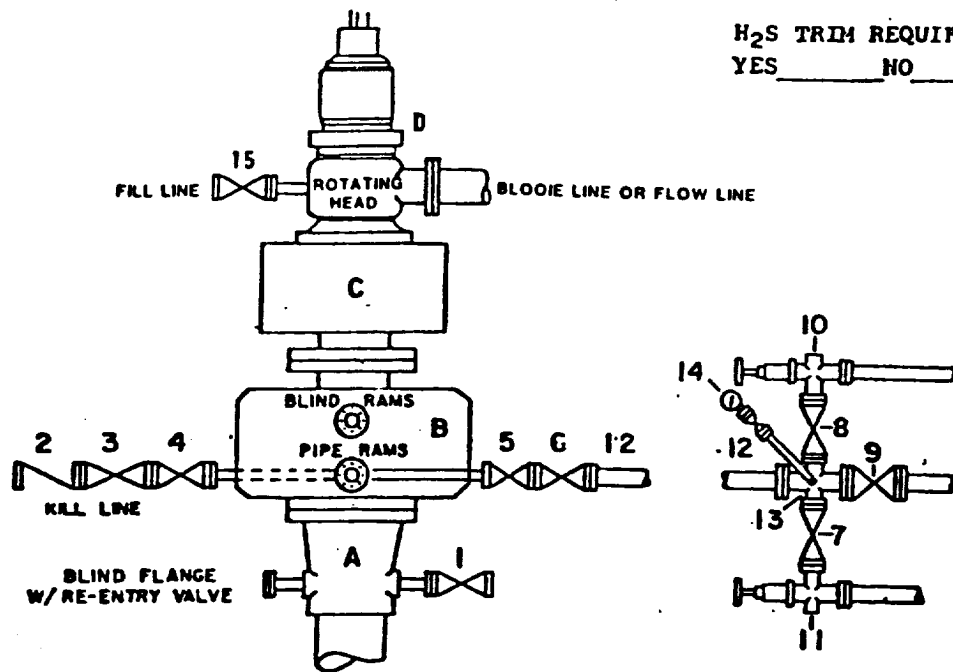
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

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

	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature <u>James M.C. Ritchie, Jr.</u></p> <p>Printed Name <u>James M.C. Ritchie, Jr.</u></p> <p>Title <u>Agent</u></p> <p>Date <u>10/16/96</u></p> <p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>OCTOBER 4, 1996</p> <p>Date Surveyed <u>10-09-96</u></p> <p>Signature &amp; Seal <u>Ronald E. Eidson</u></p> <p>Professional Surveyor <u>NEW MEXICO</u></p> <p>Certificate No. <u>JOHN W. WEST</u> 676 <u>RONALD E. EIDSON</u> 3239 <u>GARY EIDSON</u> 12641</p>
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# **DRILLING CONTROL** **CONDITION III-B 3000 PSI WP**



H<sub>2</sub>S TRIM REQUIRED  
 YES \_\_\_\_\_ NO \_\_\_\_\_

## DRILLING CONTROL

### MATERIAL LIST - CONDITION III - B

- |                |   |
|----------------|---|
| A              | Wellhead  |
| B              | 3000# W.P. Dual ram type preventer, hydraulic operated with 1" steel, 3000# W.P. control lines (where sub-structure height is adequate, 2 - 3000# W.P. single ram preventers may be utilized with 3000# W.P. drilling spool with 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line. The drilling spool is to be installed below the single ram type preventers). |
| C              | 3000# W.P. Annular Preventer with 1" steel, 3000# W.P. control lines.   |
| D              | Rotating Head with fill up outlet and extended Bore line.   |
| 1,3,4,<br>7,8, | 2" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.   |
| 2              | 2" minimum 3000# W.P. back pressure valve.  |
| 5,6,9          | 3" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.   |
| 12             | 3" minimum Schedule 80, Grade B, seamless line pipe.  |
| 13             | 2" minimum x 3" minimum 3000# W.P. flanged cross.   |
| 10,11          | 2" minimum 3000# W.P. adjustable choke bodies.  |
| 14             | Cameron Mud Gauge or equivalent (location optional in Choke line).  |
| 15             | 2" minimum 3000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve.   |

SCALE	DATE	EST. NO.	ORG. NO.
DRAWN BY			
CHECKED BY			
APPROVED BY			

**EXHIBIT E**