

Dist. Ict :
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

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

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101

Revised October 18, 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

¹ Operator Name and Address Pogo Producing Company P. O. Box 10340, Midland, TX 79702-7340		² OGRID Number 017891
		³ API Number 30 - 025-29175
⁴ Property Code 26986	⁵ Property Name Bootleg Ridge 19 State	⁶ Well No. 1

⁷Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
D	19	22	33		990	North	990	West	Lea

⁸Proposed 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
⁹ Proposed Pool 1 Bootleg Ridge Morrow (72650)					¹⁰ Proposed Pool 2				

¹¹ Work Type Code E	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3693
¹⁶ Multiple No	¹⁷ Proposed Depth 15390	¹⁸ Formation Morrow	¹⁹ Contractor	²⁰ Spud Date Upon approval

²¹Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17	13-3/8	61#	688'	720 sks "C"	circ to surface
11-3/4	10-3/4	45.5# & 40.5#	4889'	3020 sks "C"	circ to surface
9-1/2	7-5/8	39#	12,150'	925 sks "H"	

²²Describe 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.

Procedure, C-102 & BOP schematic Attached.

Tie back 7-5/8" casing as seen in schematic.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

By Entry

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Cathy Tomberlin</i>		OIL CONSERVATION DIVISION	
Printed name: Cathy Tomberlin		Approved By: <i>[Signature]</i>	
Title: Operation Tech		Title: <i>[Signature]</i>	
Date: 11-30-00	Phone: 915-685-8100	Approval Date: DEC 08 2000	Expiration Date:
		Conditions of Approval: Attached: <input type="checkbox"/>	

BOOTLEG RIDGE 19 ST. # 1 RE ENTRY

990' FNL & 990' FWL, SEC 19, T-22-S, R-33-E

LEA COUNTY, NEW MEXICO.

ELEVATION GL = 3692.9'

API # OF ORIGINAL WELL = 30 025 29175

1. DIG OUT CELLAR. CUT OFF DRY HOLE MARKER. INSTALL SOW 10 3/4" X 11" 5M WELL HEAD. MIRU WELL SERVICE UNIT. N/U 11" 5M HYDRAULIC BOP'S.
2. DRILL OUT CEMENT PLUGS USING 9 1/2" BIT TO 7 5/8" TOP @ $\pm 7500'$. DRESS OFF TOP. TIE BACK 7 5/8" TO SURFACE. CEMENT TIE BACK. AIR FOAM UNIT MAY BE USED IF CIRCULATION IS A PROBLEM WHILE DRILLING OUT PLUGS.
3. N/U 7 1/16" 10 M HYDRAULIC BOP'S. TEST TO 10,000 PSI. CLEAN OUT 7 5/8" CASING TO TOP OF CIBP @ 11985'. TEST 7 5/8" CASING STRING FOR INTEGRITY. SQUEEZE IF LOST OF INTEGRITY IS DISCOVERED. SHOULD BE ABLE TO HANDLE 14.0 PPG MUD WEIGHT EQUIVALENT. ANTICIPATED MAXIMUM SURFACE PRESSURE $\pm 8,000$ PSI.
4. RDMO WELL SERVICE UNIT. MIRU ROTARY TOOLS. TEST BOP'S & CHOKE MANIFOLD TO 10,000 PSI W/ THIRD PARTY TESTER. P/U 6 1/2" BIT, BHA & 3 1/2" DP. TIH TO CIBP @ $\pm 11,985'$. DRILL OUT PLUG. CLEAN OUT OPEN HOLE. EXPECT GAS BUBBLE UPON DRILLING OUT PLUG IN 7 5/8" CASING. USE 10.5 PPG MUD WITH < 10 CC'S API FLUID LOSS TO DRILL OUT PLUGS IN OPEN HOLE.
5. CIRC HOLE CLEAN. POH. P/U 5" 18# P-110 LINER. TIH. SET & CEMENT LINER TO 7 5/8" CASING SHOE. CLEAN OUT CASING TO LINER TOP. L/D DP. RELEASE ROTARY TOOLS. RDMO ROTARY TOOLS
6. MIRU WELL SERVICE UNIT. TIH W/ LINER POLISHING TOOL. POLISH LINER TOP. CLEAN OUT 5" LINER TO PBTD. CIRCULATE PACKER FLUID.
7. TIH W/ TCP GUNS & PACKER. TEST TUBING TO 10,000 PSI ABOVE SLIPS. POSITION GUNS TO FIRE AJACENT TO MORROW ZONE OF INTEREST. SPACE OUT. N/D BOP'S. N/U TREE. SET PACKER. BOLT DOWN TREE. TEST WELL HEAD & WRAP AROUND. DROP FIRING BAR.
8. FLOW TEST WELL. EVALUTE FOR STIMULATION.

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Form C-102

Revised October 18, 1994

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State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-29175	2 Pool Code 72650	3 Pool Name Bootleg Ridge Morrow
4 Property Code 26986	5 Property Name Bootleg Ridge 19 State	6 Well Number 1
7 OGRID No. 017891	8 Operator Name Pogo Producing Company	9 Elevation 3693

10 Surface Location

UL or lot no. D	Section 19	Township 22	Range 33	Lot Idn	Feet from the 990	North/South line North	Feet from the 990	East/West Line West	County Lea
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11 Bottom Hole Location If Different From Surface

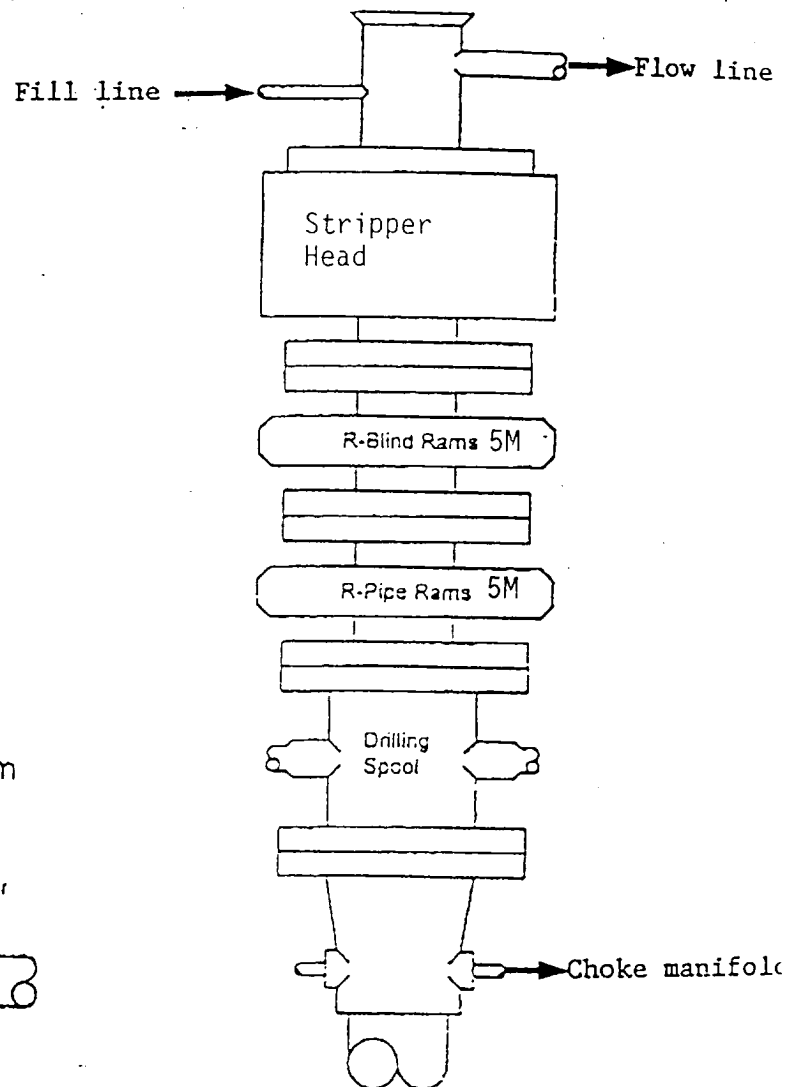
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code	15 Order No.						

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

16 990 990					17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Cathy Tomberlin Signature Cathy Tomberlin Printed Name Operator: Tech Title 11/30/00 Date
					18 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. Date of Survey Signature and Seal of Professional Surveyer: Certificate Number

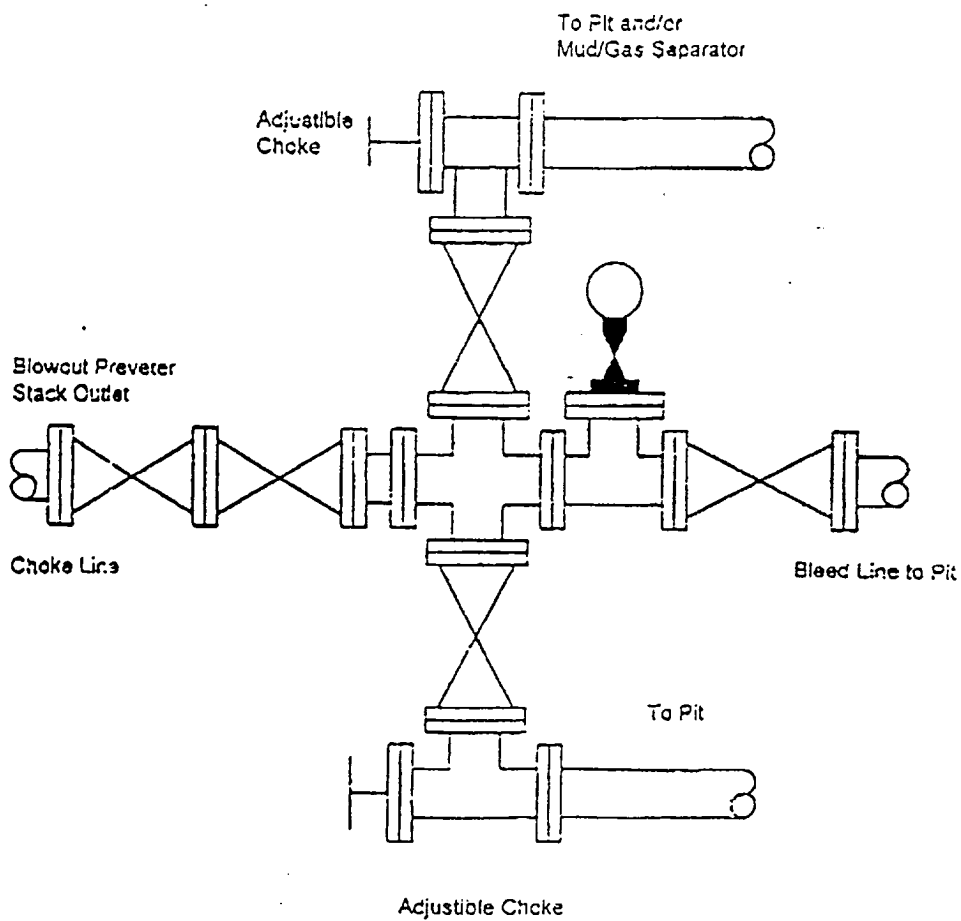
BLOWOUT PREVENTER SYSTEM

11" 5M SYSTEM



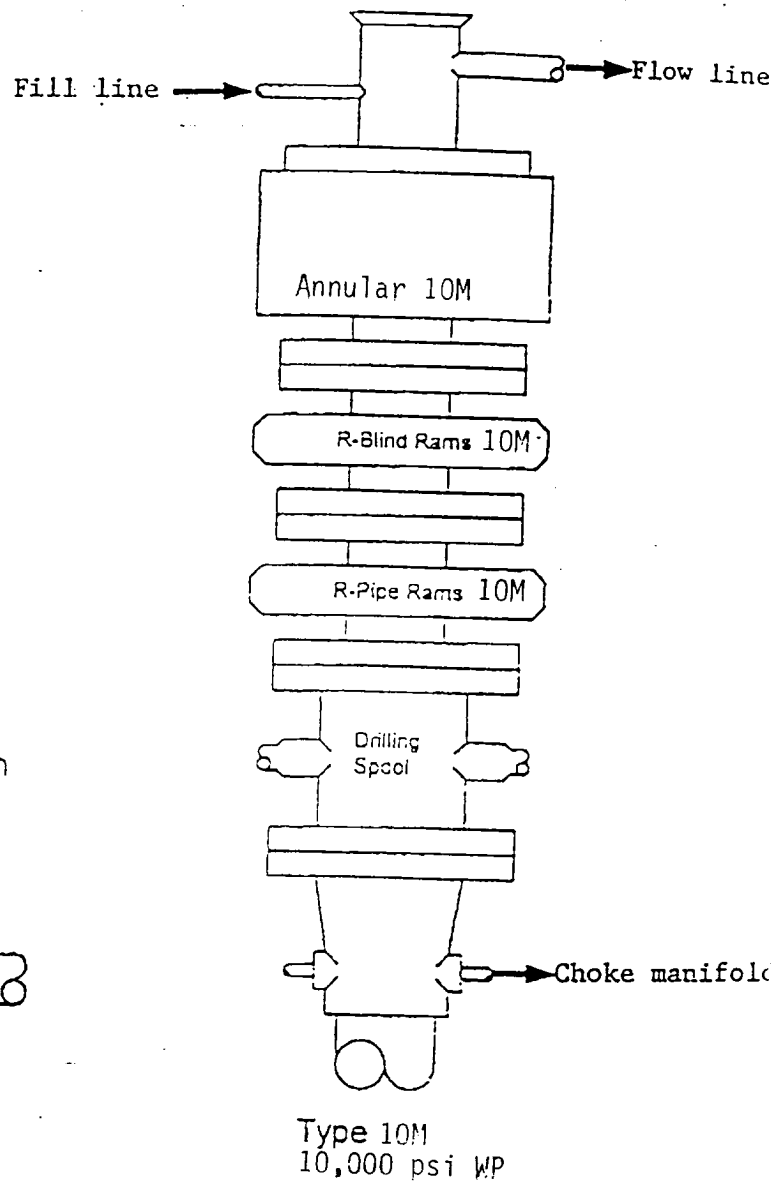
Type 1500 Series
5000 psi WP

Choke Manifold Assembly for 5M WP System



BLOWOUT PREVENTER SYSTEM

7-1/16" 10M SYSTEM



Choke Manifold Assembly for 10MWP System

