

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

¹ Operator Name and Address Pogo Producing Company P.O. Box 10340 Midland, Texas 79702		² OGRID Number 017891
		³ API Number 30-0 25-34368
⁴ Property Code 23136	⁵ Property Name Merit State "33"	⁶ Well No. 1

7 Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	33	16S	33E		990	North	990	East	Lea

8. Proposed 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 Wildcat (Devonian)	¹⁰ Proposed Pool 2
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¹¹ Work Type Code N	¹² Well Type Code S	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4207'
¹⁶ Multiple S	¹⁷ Proposed Depth 15,500	¹⁸ Formation Devonian	¹⁹ Contractor N/A	²⁰ Spud Date Upon Approval

21. 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"	48.00	400'	1400 sx	Surface
12-1/4"	9-5/8"	40#	4500'	2000 sx	Surface
8-1/2"	5-1/2"	17#	15,500'	2000 sx	3500'+-

22. Describe the proposed program. If this 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 Devonian Test.
B.O.P. Sketch attached.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

²³ 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> Printed Name: James M.C. Ritchie, Jr. Title: Agent Date: 04/06/98 Phone: (915) 682-6601		OIL CONSERVATION DIVISION Approved by: <i>Chris Williams</i> Title: DISTRICT I SUPERVISOR Approval Date: APR 16 1998 Expiration Date: Conditions of Approval: Attached: ☐	
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OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-34368	Pool Code r	Pool Name WILDCAT (DEVONIAN)
Property Code 23136	Property Name MERIT STATE "33"	Well Number 1
OGED No. 017891	Operator Name POGO PRODUCING COMPANY	Elevation 4207

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	33	16 S	33 E		990	NORTH	990	EAST	LEA

Bottom Hole Location If Different From Surface

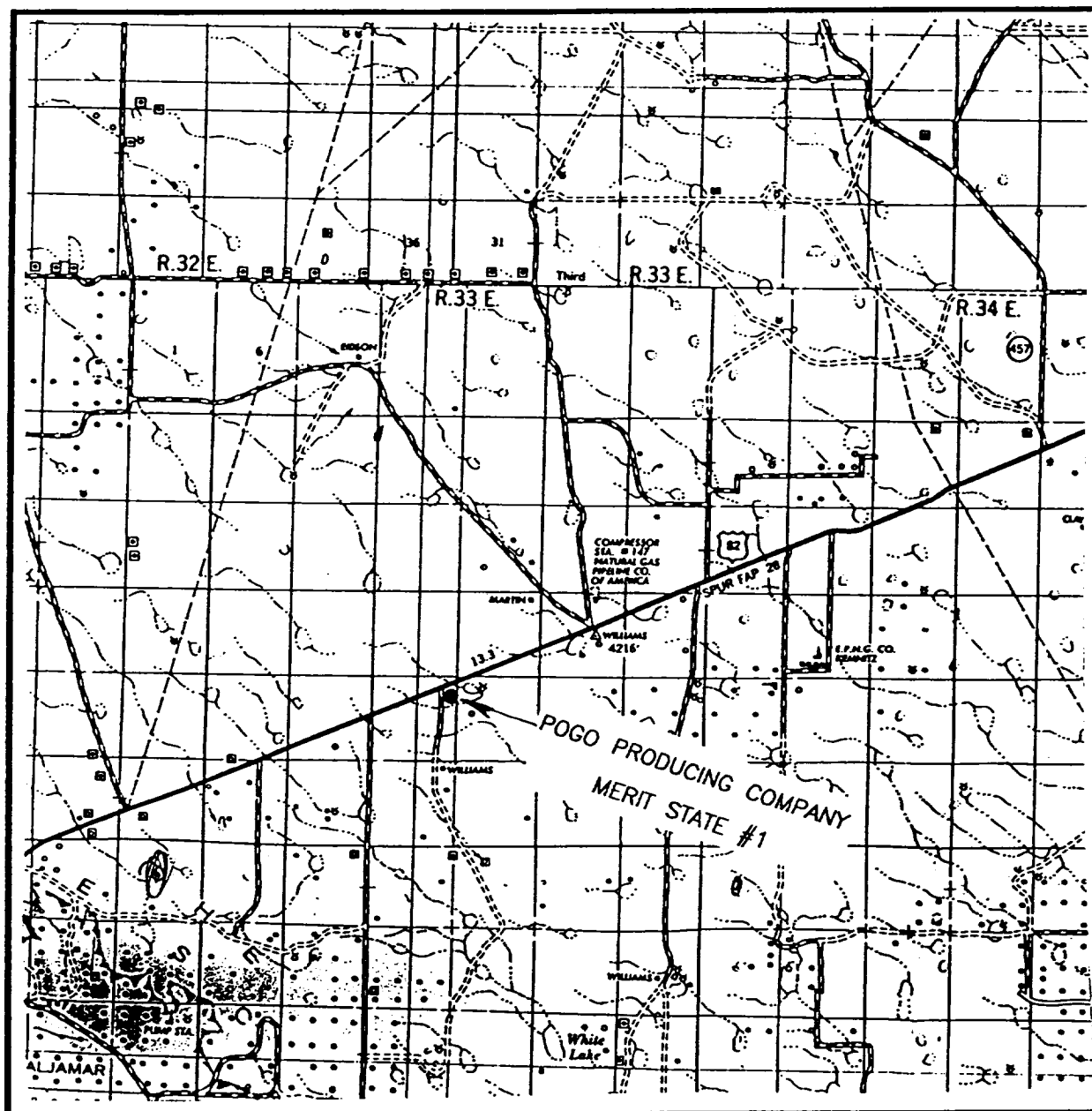
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.						

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. Signature James M. C. Ritchie, Jr. Printed Name AGENT Title 4/06/98 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. Date Surveyed Signature & Seal of Professional Surveyor W.O. Num. 98-11-0512A Certificate No. RONALD J. EIDSON, 3239 GARY G. EIDSON, 12841 MACON McDONALD, 12185



VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 33 TWP. 16-S RGE. 33-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 990' FNL & 990' FEL

ELEVATION 4207'

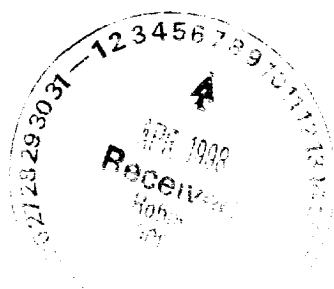
OPERATOR POGO PRODUCING COMPANY

LEASE MERIT STATE 33

JOHN WEST ENGINEERING

HOBBS, NEW MEXICO

(505) 393-3117





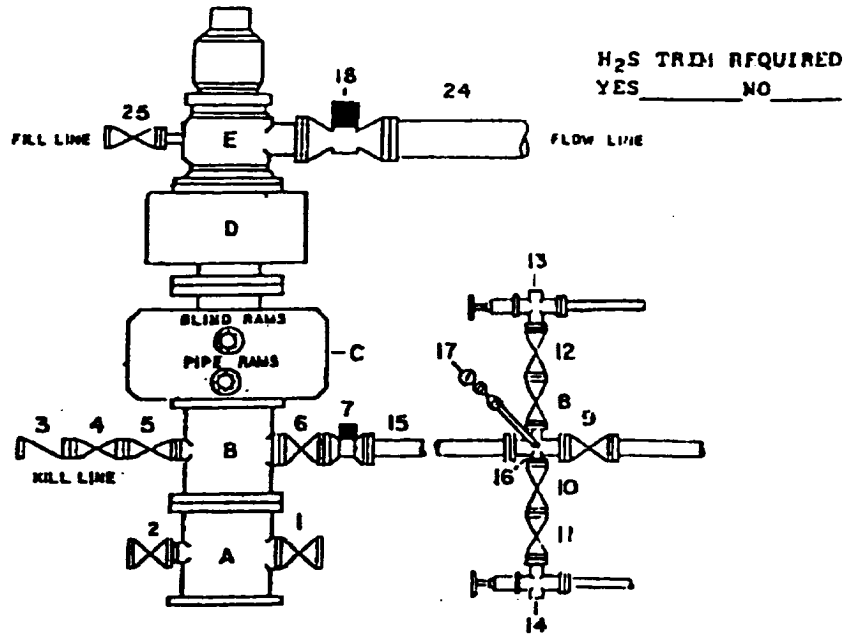
CONTOUR INTERVAL - 5'

BUCKEYE NW, N.M.

(505) 393-3117



DRILLING CONTROL
CONDITION IV-B-5000 PSI WP



H₂S TRIM REQUIRED
YES _____ NO _____

DRILLING CONTROL
MATERIAL LIST - CONDITION IV - B

- A Wellhead
- B 5000# W.P. drilling spool with a minimum 2" flanged outlet for kill line and 3" minimum flanged outlet for choke line.
- C 5000# W.P. Dual ram type preventer, hydraulic operated with 1" steel, 5000# W.P. control lines.
- D 5000# W.P. Annular preventer, hydraulic operated with 1" steel, 5000# W.P. control lines.
- E Rotating Head with fill up outlet and extended Bleeds line.
- 1,2,4,5, 8,10,11. 2" minimum 5000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 3 2" minimum 5000# W.P. back pressure valve.
- 6,9 3" minimum 5000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 7 3" minimum 5000# W.P. flanged hydraulic valve
- 15 3" minimum Schedule 160, Grade B, seamless line pipe
- 16 2" minimum x 3" 5000# W.P. flanged cross
- 13,14 2" minimum 5000# W.P. adjustable chokes with carbide trim.
- 17 Cameron Mud Gauge or equivalent (location in choke line optional).
- 18 6" minimum 1000# hydraulic flanged valve.
- 24 6" minimum steel flow line.
- 25 3" minimum 5000# W.P. flanged or threaded fill opening steel gate valve, or Halliburton Lo Torc Plug valve.

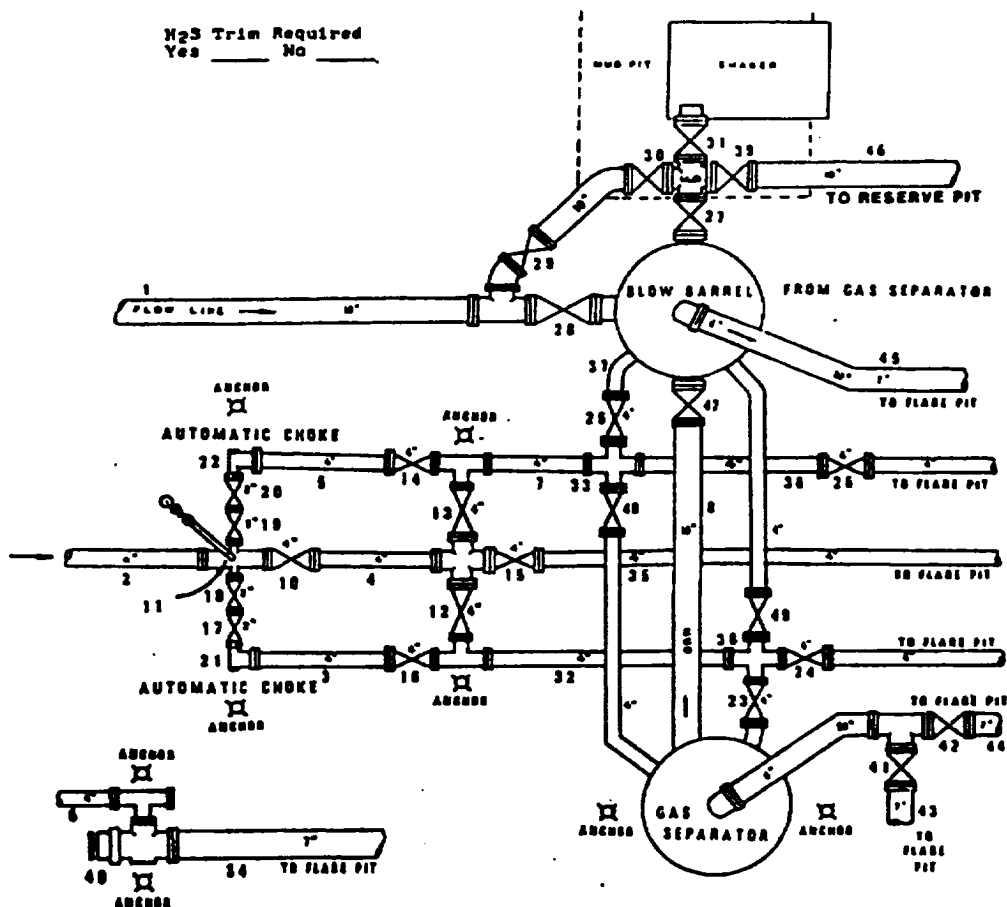
SCALE	DATE	EST. NO.	DRG. NO.
DRAWN BY			
CHECKED BY			
APPROVED BY			

EXHIBIT E



SUPPLEMENTAL MANIFOLD FOR DRILLING CONTROL CONDITION IX AND IX-B 5000 AND 10,000 PSI WP

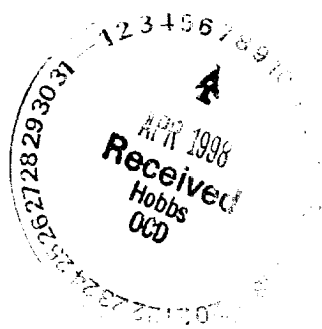
H₂S Trim Required
Yes _____ No _____



- 1,8 10" steel flow line
- 2,3,4,5, 4" minimum 10,000# WP 4130 mechanical tubing with flanged ends or equivalent
- 6
- 11 2" minimum 10,000# WP flanged cross with 10,000# WP needle valve and gauge
- 10 4" minimum 10,000# WP flanged full opening steel gate valve
- 12,13,14, 4" minimum 5000# WP flanged full opening steel gate valve
- 15,16
- 17,18,19, 2" minimum 10,000# WP flanged full opening steel gate valve, or
- 20 Halliburton Lo Torq Plug Valve
- 21,22 2" minimum 10,000# WP automatic chokes
- 23,24,25, 4" minimum 5000# WP flanged or threaded full opening steel mud valves
- 26,48,49
- 27,28,29, 10" minimum low pressure butterfly valves
- 30,31,39,47
- 7,32,33, 4" minimum flanged or threaded schedule 80 tubing
- 35,36,37,38
- 40 2" minimum 10,000# WP flanged adjustable or automatic chokes with carbide trim
- 41,42 7" minimum low pressure butterfly valve
- 34,43,44 7" minimum anchored steel flowline
- 45
- 46 10" minimum PVC flowline

SCALE:	DATE	EST. NO.	ORD. NO.
DRAWN BY:			
CHECKED BY:			
APPROVED BY:			

EXHIBIT E



SEA