

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101

May 27, 2004

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

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

¹ Operator Name and Address MANZANO, LLC P.O. BOX 2107 - ROSWELL, NM 88202-2107		² OGRID Number 231429
³ Property Code 301419 32511	⁴ Property Name FOUR PETE SAKE	⁵ API Number 30 - 025 - 37568 ⁶ Well No. 2
⁹ Proposed Pool 1 Mescalero, North - Cisco Upper Penn		¹⁰ Proposed Pool 2

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
H	11	10s	32e		1955	NORTH	437	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

Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4270'
¹⁶ Multiple N	¹⁷ Proposed Depth 9700	¹⁸ Formation CISCO-CANYON	¹⁹ Contractor UNITED DRILLING	²⁰ Spud Date JANUARY, 2006
Depth to Groundwater 250'		Distance from nearest fresh water well >3000 FEET		Distance from nearest surface water > ONE MILE
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 __mils thick Clay <input type="checkbox"/> Pit Volume: 10000 __bbls Closed-Loop System <input type="checkbox"/>				
Drilling Method: Fresh Water <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

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 #/FT	375'	400sx "C"	CIRCULATED
11"	8 5/8"	32#/FT	3350'	1050sx "C"	CIRCULATED
7 7/8"	5 1/2"	17#/FT	9700'	2000sx "C" + 250sx "H"	3000'

²² 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.

Drill 17 1/2" hole to 375', run 13 3/8" 48#/ft casing to TD & cement with sufficient amount to circulate cement to surface - WOC 12hrs prior to drilling on shoe - NU 3000# WP BOPE & test to 500# w/rig pumps - Drill 11" hole to 3350', run 8 5/8" casing to TD & cement with sufficient amount to circulate to surface - WOC 12 hours prior to drilling on shoe - NU 3000# WP BOPE & test to 1000# w/rig pumps - Drill 7 7/8" hole to 9700', log well, if logs indicate productive will run 5 1/2" 17#/ft casing to TD and cement with sufficient amount to bring cement back into 8 5/8" annulus (3000' or higher) - If non-productive will plug and abandon as per NMOCD instructions. Previous drilling and production operations in this immediate area indicate that potentially hazardous amounts of H2S have not been encountered and we respectfully request that this Application for Permit To Drill be approved without a H2S Contingency Plan

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. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Mike Hanagan

Title: Manager

E-mail Address: mhanagan@dfn.com

Date: 11/21/05

Phone: 505-623-1996

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

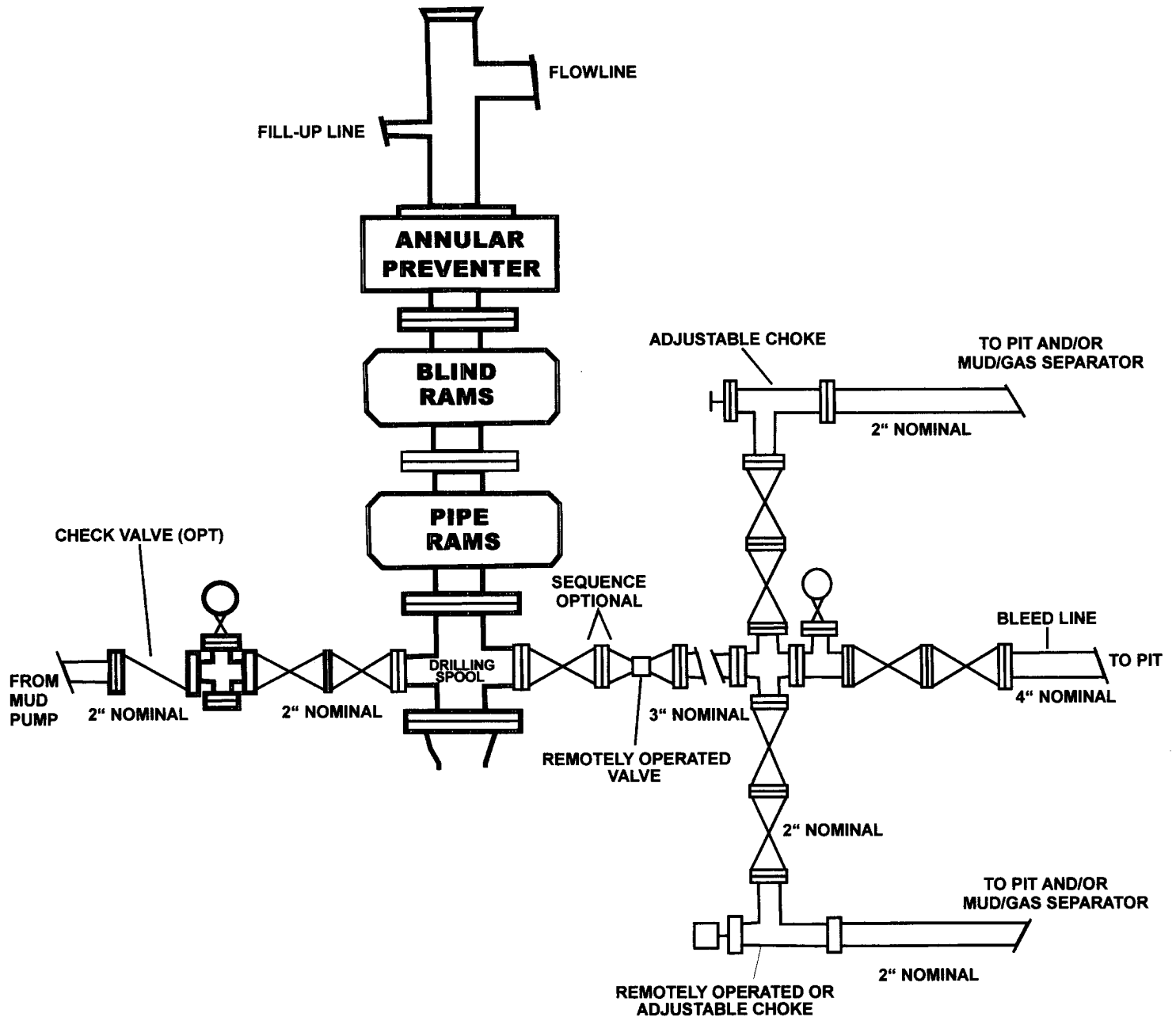
NOV 28 2005

Conditions of Approval Attached ☐

Manzano Four Pete Sake #2

BOP DIAGRAM

3000# SYSTEM



District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Branca 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-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

AFT Number 30-025-37568	Pool Code 45750	Pool Name Upper Penn MESCALARO, NORTH - GISCO
Property Code 325H	Property Name FOUR PETE SAKE STATE	Well Number 2
OGRID No. 231429	Operator Name Manzano LLC	Elevation 4270.

¹⁰ Surface Location

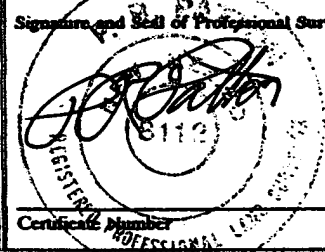
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹¹ Bottom Hole Location If Different From Surface

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 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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					1955'	437'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <i>Mike Hanagan</i> Printed Name: MIKE HANAGAN Title: MANAGER Date: 11/21/05
							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. November 16, 2005 Date of Survey P. R. Patton Signature and Seal of Professional Surveyor:  Certificate Number 8112