

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
August 1, 2011  
Permit 149818

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

1. Operator Name and Address MANZANO LLC PO BOX 2107 ROSWELL, NM 882022107		2. OGRID Number 231429
		3. API Number 30-025-40610
4. Property Code 39265	5. Property Name PECOS PUB STATE	6. Well No. 001

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	27	11S	33E	J	1980	S	1880	E	LEA

**8. Pool Information**

BAGLEY;PERMO PENN, NORTH	3820
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**Additional Well Information**

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 4254
14. Multiple N	15. Proposed Depth 10000	16. Formation Strawn	17. Contractor	18. Spud Date 7/1/2012
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

**19. Proposed Casing and Cement Program**

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	400	400	0
Int1	11	8.625	24	3900	1200	0
Prod	7.875	5.5	17	10000	1500	0

**Casing/Cement Program: Additional Comments**

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**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	1500	SHAFFER

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 <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	<b>OIL CONSERVATION DIVISION</b>
Printed Name: Electronically filed by Michael Hanagan	Approved By: Paul Kautz
Title: Manager	Title: Geologist
Email Address: l_pack@qwest.net	Approved Date: 6/8/2012   Expiration Date: 6/8/2014
Date: 6/6/2012   Phone: 505-623-1996	Conditions of Approval Attached

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
August 1, 2011  
Permit 149818

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-40610	2. Pool Code 3820	3. Pool Name BAGLEY;PERMO PENN, NORTH
4. Property Code 39265	5. Property Name PECOS PUB STATE	6. Well No. 001
7. OGRID No. 231429	8. Operator Name MANZANO LLC	9. Elevation 4254

**10. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	27	11S	33E		1980	S	1880	E	LEA

**11. Bottom Hole Location If Different From Surface**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00	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**

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**OPERATOR CERTIFICATION**

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

E-Signed By: Michael Hanagan  
Title: Manager  
Date: 6/6/2012

**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.*

Surveyed By: GARY JONES  
Date of Survey: 10/13/2008  
Certificate Number: 7977

## Permit Comments

**Operator:** MANZANO LLC , 231429

**Well:** PECOS PUB STATE #001

**API:** 30-025-40610

Created By	Comment	Comment Date
pkautz	Land s/S	6/7/2012
CHERRERA	OCD RECEIVED FORM C144 CLEZ. OCD PERMIT #P1-04725	6/8/2012

# Permit Conditions of Approval

**Operator:** MANZANO LLC , 231429

**Well:** PECOS PUB STATE #001

**API:** 30-025-40610

OCD Reviewer	Condition
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string