

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

<sup>1</sup> Operator Name and Address MANZANO, LLC P.O. BOX 2107 - ROSWELL, NM 88202-2107		<sup>2</sup> OGRID Number 231429	
<sup>3</sup> Property Code 301423 34462		<sup>4</sup> Property Name PETER GRANDE	<sup>5</sup> API Number 30 - 025-36993
<sup>6</sup> Well No. 1		<sup>7</sup> Proposed Pool 1 MESCALERO, NORTH - SAN ANDRES	
<sup>8</sup> Proposed Pool 2			

<sup>7</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	1	10-S	32-E		330	SOUTH	402 330	WEST	LEA

<sup>8</sup> 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

<sup>11</sup> Work Type Code P	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 4223'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 4500	<sup>18</sup> Formation SAN ANDRES	<sup>19</sup> Contractor DESPERADO	<sup>20</sup> Spud Date 9/30/05
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				
Closed-Loop System <input type="checkbox"/>				

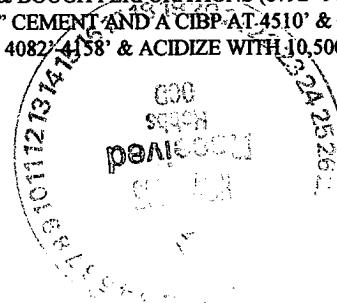
<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48#/ft	400	400sx	Surface
11"	8 5/8"	32# & 24#	3400'	1100sx	Surface
7 7/8"	5 1/2"	17# & 20#	9400'	2370sx	Surface

<sup>22</sup> 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.

PROPOSE TO PLUG BACK TO THE SAN ANDRES FORMATION BY ABANDONING THE PRESENT CISCO & BOUGH PERFORATIONS (8792'-9095') BY SETTING A CIBP INSIDE THE EXISTING 5.5" PRODUCTION CASING AT 8770' & CAP WITH 35' CLASS "H" CEMENT AND A CIBP AT 4510' & CAP WITH 35' CLASS H CEMENT. PRODUCTION TEST SAN ANDRES BY PERFORATING SAN ANDRES FROM 4082' - 4158' & ACIDIZE WITH 10,500GL 20% NeFe ACID

Permit Expires 1 Year From Approval  
Data Unless Drilling Underway  
Plugback



<sup>23</sup> 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 NMOC guidelines <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Printed name: MIKE HANAGAN		Approved by:	
Title: MANAGER		Title: PETROLEUM ENGINEER	
E-mail Address: mhanagan@dfn.com		Approval Date: DEC 16 2005	
Date: 10/28/05		Expiration Date:	
Phone: 505-623-1996		Conditions of Approval Attached <input type="checkbox"/>	

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-36993	2 Pool Code 46030	3 Pool Name Mesquero San Andres North
4 Property Code 34462	5 Property Name Peter Grande	6 Well Number 1
7 OGRID No. 231429	8 Operator Name MANZANO, LLC	9 Elevation 4223'

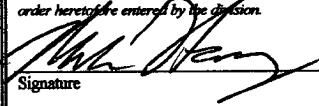
10 Surface Location

UL or lot no. M	Section 1	Township 10 S	Range 32 - e	Lot Idn	Feet from the 330'	North/South line SOUTH	Feet from the 400 330'	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 40	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					17 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 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.  10/28/05 Signature Date MIKE HANAGAN Printed Name
					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 Surveyor:  Certificate Number