

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

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

Form C-101  
Revised June 10, 2003

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

<sup>1</sup> Operator Name and Address Twining Drilling Corporation 332 White Oak Drive NE Albuquerque, NM 87122-1411		<sup>2</sup> OGRID Number 164187
		<sup>3</sup> API Number 30-061-20037
<sup>4</sup> Property Code 30918	<sup>5</sup> Property Name NAT	<sup>6</sup> Well No. 8

<sup>7</sup> Surface Location										Projected from N.M.P.M.	
UL or lot no. C	Section 13	Township 4N	Range 1E	Lot Idn	Feet from the 660'	North/South line FNL	Feet from the 1,980'	East/West line FWL	County Valencia		

<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		
<sup>9</sup> Proposed Pool 1						<sup>10</sup> Proposed Pool 2					

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 4,853'
<sup>16</sup> Multiple NO	<sup>17</sup> Proposed Depth 15,000'	<sup>18</sup> Formation Entrada	<sup>19</sup> Contractor Key	<sup>20</sup> Spud Date 5-1-05

<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"	54.5#	2,000'	1,015	Surface
12 1/4"	9 5/8"	36.0#	7,500'	1,015	5,000'
8 1/2"	5 1/2" to T.D.	17.0# and 20.0#	15,000'	750	7,000'

<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.

A rotary rig will drill and set 2,000' ± of 13 3/8" surface casing and a 12 1/4" hole to 7,500'. An 8 1/2" hole from 7,500' to 15,000' using 2,000' of 20# N 80 and 17# N 80 to T.D. A 5M double B.O.P. and 5M annular B.O.P. will be installed on 9 5/8" casing.

OIL CONSERVATION COMMISSION TO BE NOTIFIED  
WITHIN 24 HOURS OF BEGINNING OPERATIONS

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>Nathan Twining</i>		Approved by: <i>[Signature]</i>	
Printed name: Nathan A. Twining		Title: DISTRICT SUPERVISOR	
Title: President		Approval Date: 4/12/04	Expiration Date: 4/12/05
E-mail Address:			
Date: April 2, 2004	Phone: (505) 856-2238	Conditions of Approval: COLLECT AND SACK SAMPLES FOR NEW MEXICO BUREAU OF MINES, SOCORRO	
		Attached <input type="checkbox"/> AT AT LEAST TEN FOOT INTERVALS	

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OIL CONSERVATION DIVISION  
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Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name					
<sup>4</sup> Property Code		<sup>5</sup> Property Name NAT						<sup>6</sup> Well Number 8	
<sup>7</sup> OGRID No. 164187		<sup>8</sup> Operator Name Twining Drilling Corporation						<sup>9</sup> Elevation 4,853'	
<sup>10</sup> Surface Location									
UL or lot no. C	Section 13	Township 4N	Range 1E	Lot Idn	Feet from the 660'	North/South line FNL	Feet from the 1,980'	East/West line FWL	County Valencia
<sup>11</sup> 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
<sup>12</sup> Dedicated Acres 160		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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

<sup>16</sup>				<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Nathan Twining</i> Signature Nathan A. Twining Printed Name President Title and E-mail Address April 2, 2004 Date			
660' C 1,980' NW ¼				NE ¼			
SW ¼				SE ¼			
				<sup>18</sup> 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. <i>[Signature]</i> Date of Survey Signature and Seal of Professional Surveyor: 12797 Certification			

Section 13 (640 acres)