

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

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

¹ Operator Name and Address Twining Drilling Corporation 332 White Oak Drive NE Albuquerque, NM 87122-1411		² OGRID Number 164187
		³ API Number 30 - 053 - 20031
³ Property Code 24569	⁵ Property Name NFT	⁶ Well No. 4

⁷ Surface Location						Projected from N.M.P.M.			
UL or lot no. N	Section 19	Township 4N	Range 1E	Lot Idn	Feet from the 660'	North/South line FSL	Feet from the 1,980'	East/West line FWL	County Socorro

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					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 4,852'
¹⁶ Multiple NO	¹⁷ Proposed Depth 15,000'	¹⁸ Formation Entrada	¹⁹ Contractor Key	²⁰ Spud Date 2-1-05

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"	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'

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.
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

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

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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 June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name					
⁴ Property Code		⁵ Property Name NFT						⁶ Well Number 4	
⁷ OGRID No. 164187		⁸ Operator Name Twining Drilling Corporation						⁹ Elevation 4,852'	
¹⁰ Surface Location									
UL or lot no. N	Section 19	Township 4N	Range 1E	Lot Idn	Feet from the 660'	North/South line FSL	Feet from the 1,980'	East/West line FWL	County Socorro
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 160		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. <i>Nathan Twining</i> Signature Nathan A. Twining Printed Name President Title and E-mail Address April 2, 2004 Date			
NW 1/4				NE 1/4			
SW 1/4				SE 1/4			
1,980'				N 660'			
Section 19 (640 acres)				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. <i>[Signature]</i> Date of Survey NEW MEXICO 12797 Certificate Number <i>[Signature]</i>			