

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
Revised March 17, 1999

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

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

“TIGHT HOLE”

☐ 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 30-053-20018
³ Property Code 30918	⁵ Property Name NAT	⁶ Well No. #2

⁷ Surface Location Projected from N.M.P.M.									
UL or lot no. G	Section 27	Township 4N	Range 1E	Lot Idn	Feet from the 1980'	North/South line North	Feet from the 1980'	East/West line East	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 5300'
¹⁶ Multiple No	¹⁷ Proposed Depth 15,000	¹⁸ Formation Entrada	¹⁹ Contractor Key Energy	²⁰ Spud Date 02-24-03

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"	54.50 #	2000'	1015	Surface
12 1/4"	9 5/8"	36 #	6500'	914	4000'
	5 1/2" to TD				

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 2000'± of 13 3/8" surface casing and 9 5/8" Hole to 6500'. A 8 1/2" Hole from 6500' to 15000'.
A 5M Double BOP and 5M Annular BOP will be installed on 10 3/4" casing. DST and Open Hole Logging as Well requires.
9 5/8"

²³ 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: 2/24/03	Expiration Date: 2/24/04
Date: 02-24-03	Phone: 505-856-2238	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 August 15, 2000
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 NAT			⁶ Well Number 2
⁷ OGRID No. 164187		⁸ Operator Name TWINING DRILLING CORPORATION			⁹ Elevation 5300

¹⁰ Surface Location SURVEY PROJECTED FROM N.M.P.M.

UL or lot no. G	Section 27	Township 4N	Range 1E	Lot 1dn	Feet from the 1980	North/South line NORTH	Feet from the 1980	East/West line EAST	County SOCORRO
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 160.00	¹³ Joint or Infill N	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				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 02-18-03 Date	
NW 1/4		G		NE 1/4	
				1980'	
SW 1/4				SE 1/4	
				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 02-18-03 Signature and Seal of Professional Surveyor <i>[Signature]</i> Certificate Number 12797	

Section 27