

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. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505
"TIGHT HOLE"

Form C-101
Revised March 17, 1999

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
⁴ Property Code 30918	⁵ Property Name NAT	³ API Number 30 - 053 - 20017
		⁶ Well No #1

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	22	4N	1E		660'	South	2310'	West	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 Well Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 5170'
¹⁶ Multiple No	¹⁷ Proposed Depth 15,000	¹⁸ Formation Entrada	¹⁹ Contractor Key Energy	²⁰ Spud Date 11-23-02

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
13 3/8"	10 3/4"	45.50 #	2000'	1015	Surface
9 3/4"	7 5/8"	29.70 #	8400'	914	4000'

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 10 3/4" surface casing and 9 3/4" Hole to 8400'. A 6 3/4" Hole from 8400' 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.

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	
Date: 11/12/02		Approval Date: 12/03/02 Expiration Date: 12/03/02	
Phone: 505-856-2238		Conditions of Approval: Attached <input type="checkbox"/>	

OIL CONSERVATION COMMISSION TO BE NOTIFIED NEW MEXICO BUREAU OF MINES, SOCORRO
WITHIN 24 HOURS OF BEGINNING OPERATIONS AT AT LEAST TEN FOOT INTERVALS

COLLECT AND SACK SAMPLES FOR
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 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 30918		5 Property Name NAT		6 Well Number 1			
7 OGRID No. 164187		8 Operator Name Twining Drilling Corporation		9 Elevation 5170			
10 Surface Location Survey Projected from N.M.P.M.							
UL or lot no. N	Section 22	Township 4N	Range 1E	Lot Idn 660'	Feet from the North/South line South 2310	Feet from the East/West line West	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 160.00		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

16 1320'				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 November 12, 2002 Date			
				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. Nov. 12, 2002 Date of Survey Signature and Seal of Professional Surveyor FILIMON F. JARAMILLO NEW MEXICO 12797 Certificate Number 12797			
2310'							
660'							
NAT #1							
640 Acres				Section 22			