

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

¹ Operator Name and Address NorthStar Operating Company P.O. Box 10708 Midland, Texas 79702-7708		² OGRID Number 152527
		³ API Number 30 - 025 - 37520
³ Property Code 35175	³ Property Name FORT	⁶ Well No. 1
⁹ Proposed Pool 1 DENTON; WOLFCAMP, EAST 17.300		¹⁰ Proposed Pool 2

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
G	8	15 S	38 E		2100	North	2500	East	Lea

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

Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code RP	¹⁵ Ground Level Elevation 3766' GR
¹⁶ Multiple NO	¹⁷ Proposed Depth 9600'	¹⁸ Formation Wolfcamp	¹⁹ Contractor Permian Drlg Co	²⁰ Spud Date 10/20/2005
Depth to Groundwater 47		Distance from nearest fresh water well 500'		Distance from nearest surface water 71000'
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 8-17 mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: _____				
Closed-Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

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"	48#	400'	360 sx	surface
12 1/4"	8 5/8"	32#	4800'	1820 sx	surface
7 7/8"	5 1/2"	17#	9600'	795 sx	4400' (est)

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and any new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Drill 17 1/2" surface hole to 400'. Run 13 3/8" casing. Cement with 360 sx cement. Drill 12 1/4" hole to 4800'. Run 8 5/8" casing. Cement with 1720 sx cement plus nitrogen to circulate cement to surface. Drill 7 7/8" hole to 9600'. Run logs. Run 5 1/2" casing. Cement with 795 sx cement. Perforate Wolfcamp zone. Produce into new battery installation

Blowout preventor attached.

²³ 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 NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Mark A. Philpy

Title: President

E-mail Address: mphilpy@northstarop.com

Date: 10/18/2005

Phone: 432 / 684-5765

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: OCT 20 2005

Expiration Date:

PETROLEUM ENGINEER

Conditions of Approval Attached ☐

State of New Mexico

DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

Revised JUNE 10, 2003

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number <i>30-025-37520</i>	Pool Code <i>17300</i>	Pool Name <i>Senton, Wolfcamp, East</i>
Property Code <i>35175</i>	Property Name FORT	Well Number 1
OGRID No. <i>152527</i>	Operator Name NORTHSTAR OPERATING COMPANY	Elevation 3766'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	8	15-S	38-E		2100	NORTH	2500	EAST	LEA

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

Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No. R-12432
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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

<p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=741740.2 N X=872423.8 E</p> <p>LAT.=33°01'59.48" N LONG.=103°07'05.37" W</p>			<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>[Signature]</i> Signature</p> <p>MARX A. PHILIPY Printed Name</p> <p>PRESIDENT Title</p> <p>10/18/2005 Date</p>
	<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>SEPTEMBER 20, 2005</p> <p>Date Surveyed</p> <p><i>[Signature]</i> Signature & Seal of Professional Surveyor</p> <p>GARY EIDSON Professional Surveyor</p> <p>05.11.1445 Date</p> <p>Certificate No. GARY EIDSON 12641</p>		
	<p>LA</p>		
	<p>12641</p>		

BOP SCHEMATIC FOR
PERMIAN DRILLING RIG #1

