

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

<sup>1</sup> Operator Name and Address <b>NorthStar Operating Company</b> P.O. Box 10708 Midland, Texas 79702-7708		<sup>2</sup> OGRID Number <b>152527</b>
		<sup>3</sup> API Number <b>30 - 025 - 01023</b>
<sup>4</sup> Property Code <b>35475</b>	<sup>5</sup> Property Name <b>STATE 65</b>	<sup>6</sup> Well No. <b>1</b>
<sup>9</sup> Proposed Pool 1 <b>97431 Hightower; Atoka, North</b>		<sup>10</sup> Proposed Pool 2

<sup>7</sup> Surface Location

UL or lot no. <b>E</b>	Section <b>1</b>	Township <b>12 S</b>	Range <b>33 E</b>	Lot Idn	Feet from the <b>1980</b>	North/South line <b>North</b>	Feet from the <b>660</b>	East/West line <b>West</b>	County <b>Lea</b>
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<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
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## Additional Well Information

<sup>11</sup> Work Type Code <b>E</b>	<sup>12</sup> Well Type Code <b>O</b>	<sup>13</sup> Cable/Rotary <b>R</b>	<sup>14</sup> Lease Type Code <b>S</b>	<sup>15</sup> Ground Level Elevation <b>4229' GL</b>
<sup>16</sup> Multiple <b>NO</b>	<sup>17</sup> Proposed Depth <b>11,200'</b>	<sup>18</sup> Formation <b>Atoka</b>	<sup>19</sup> Contractor <b>Joe's Well Service</b>	<sup>20</sup> Spud Date <b>03/01/2006</b>
Depth to Groundwater <b>46'</b>		Distance from nearest fresh water well <b>2640'</b>		Distance from nearest surface water <b>70 miles</b>
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: Closed-Loop System <input checked="" type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TD
17 1/2"	13 3/8"	54.50#	298'	400 sx	surface
12 1/4"	9 5/8"	40.00#	3940'	3200 sx	surface
8 3/4"	7"	32.00#	9349'	400 sx	7157'
6 3/4"	5 1/2"	26.00#	11200'	400 sx	8000'

<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.

- 1) Move in pulling unit, steel pits and reverse unit equipment. Dig out cellar.
- 2) Install 11" 3000 psi BOP with manual blind and pipe rams.
- 3) Drill and cleanout 9 5/8" intermediate pipe to 3,940' using 10# brine water and 8 3/4" drill bit.
- 4) Drill and cleanout +/- 2800' of 8 3/4" open hole to top of 7" casing at 6721'. Run 7" slipover bowl and +/- 168 jts 7" casing.
- 5) Pick up 6 3/4" bit and go into 7" casing cleaning out to 9,349'.
- 6) Drill out shoe and cleanout 8 3/4" open hole to 10,823' (original TD). Deepen well using 6 3/4" bit to 11,200'.
- 7) Run +/- 281 jts. 5 1/2" casing and cement with 400 sx.
- 8) Pull 7 5/8" casing and slipover bowl.
- 9) Squeeze old perforations (8,930' to 8,980'), if necessary. Drill out cement and pressure test 5 1/2" casing.
- 10) Squeeze old perforations (9,150' to 9,175'), if necessary. Drill out cement and pressure test 5 1/2" casing.
- 11) Pick up and run 5 1/2" packer and 2 7/8" tubing. Set packer at 10,650'. Install 5000# tubing valves. Swab well dry.
- 12) Perforate (with tubing guns) new zone below 10,700' and test well to tanks.

<sup>23</sup> 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 NMOC 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: **02/27/2006**Phone: **432 / 684-5765**

## OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: **MAR 07 2006**

Expiration Date:

Conditions of Approval Attached ☐

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## State of New Mexico

Energy, Minerals &amp; 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

<sup>1</sup> API Number <b>30-025-01023</b>	<sup>2</sup> Pool Code <b>97431</b>	<sup>3</sup> Pool Name <b>Hightower; Atoka, North</b>
<sup>4</sup> Property Code <b>35475</b>	<sup>5</sup> Property Name <b>STATE 65</b>	<sup>6</sup> Well Number <b>1</b>
<sup>7</sup> OGRID No. <b>152527</b>	<sup>8</sup> Operator Name <b>NorthStar Operating Company</b>	<sup>9</sup> Elevation <b>4229' GL</b>

<sup>10</sup> Surface Location

UL or lot no. <b>E</b>	Section <b>1</b>	Township <b>12 S</b>	Range <b>33 E</b>	Lot Idn	Feet from the <b>1980</b>	North/South line <b>North</b>	Feet from the <b>660</b>	East/West line <b>West</b>	County <b>Lea</b>
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<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 <b>40</b>	<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> <b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature <b>Mark A. Philpy</b> Printed Name <b>President</b> Title <b>02/27/2006</b> Date			
	<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> 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 Signature and Seal of Professional Surveyor:			
	Certificate Number			

 The sender of this message has requested a read receipt. [Click here to send a receipt.](#)

**Mull, Donna, EMNRD**

**From:** Phillips, Dorothy, EMNRD  
**To:** Mull, Donna, EMNRD  
**Cc:**  
**Subject:** RE: Financial Assurance Requirement  
**Attachments:**

**Sent:** Mon 3/6/2006 11:40 AM

Okay

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**From:** Mull, Donna, EMNRD  
**Sent:** Monday, March 06, 2006 11:12 AM  
**To:** Phillips, Dorothy, EMNRD  
**Subject:** Financial Assurance Requirement

Dorothy, These operators have APD intent to Drill, Deepen, Re-Entry:

Paladin Energy Corp (164070)  
Energen Resources Corp (162928)  
XTO Energy Inc (5380)  
Northstar Operating Co (152527)  
Yates Petroleum Corp (25575)  
Manzano Oil Corp (13954)

What is their standing on Financial Assurance Requirement?

Please let me know. Thanks Donna