

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1320 S. St. Francis Dr., Santa Fe, NM 87505

## State of New Mexico

Energy, Minerals &amp; Natural Resources Department

## OIL CONSERVATION DIVISION

1220 S. St. Francis Dr.

Santa Fe, NM 87505

Form C -101

Revised June 10, 2003

Instructions on back

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

<sup>1</sup> Operator Name and Address. Primal Energy Corporation 211 Highland Cross, Suite #227 Houston, TX 77073		<sup>2</sup> GRID Number 142316
		<sup>3</sup> API Number 30-025-33177
<sup>4</sup> Property Code 17759	<sup>5</sup> Property Name Knowles	<sup>6</sup> Well No. 1

<sup>7</sup>Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	N/S Line	Feet from the	E/W Line	County
J	1	16S	38E	10	3,627	N	1,425	E	Lea

<sup>8</sup>Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	N/S Line	Feet from the	E/W Line	County
J	1	16S	38E	10	3,737	N	1,587.5	E	Lea

<sup>9</sup> Proposed Pool 1 Southeast Denton-Devonian	<sup>10</sup> Proposed Pool 2
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<sup>11</sup> Work Type Code D	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3,717'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 13,100'	<sup>18</sup> Formation Devonian	<sup>19</sup> Contractor Basic	<sup>20</sup> Spud Date 7/3/2003

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
	13 3/8"	Existing			
	8 5/8"	Existing			
	5 1/2"	Existing			
	3 1/2"	Existing	13,029		

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

1. Install dual ram 5M# BOP. POOH with production string.
2. Test casing integrity and squeeze if necessary.
3. Drill below 3 1/2" liner to 13,100' in Devonian.
4. Spot acid in open hole, POOH with bit and rerun production string.

Permit Expires 1 Year From Approval  
Date Unless ~~Drilling~~ Underway  
*Deepen*

JUL  
RECEIVED  
Hobbs  
OCD

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:

John Abernethy

Title:

Mgr. Oper. &amp; Eng.

## OIL CONSERVATION DIVISION

Approved by:

Title:

PETROLEUM ENGINEER

Approval Date:

Expiration Date:

JUL 10 2003

DISTRICT I  
PO Box 1980, Hobbs, NM 88241-1980  
DISTRICT II  
811 South First, Artesia, NM 88210  
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410  
DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised October 18, 1994  
Instructions on back  
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 30-025-33177	<sup>2</sup> Pool Code 96644	<sup>3</sup> Pool Name Southeast Denton-Devonian
<sup>4</sup> Property Code 26911	<sup>5</sup> Property Name Knowles	<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 154303	<sup>8</sup> Operator Name Primal Energy Corporation	<sup>9</sup> Elevation 3,717'

<sup>10</sup> Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
J	1	16S	38E	10	3,627	N	1,425	E	Lea

<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
J	1	16S	38E	10	3,736	N	1,587.5	E	Lea

<sup>12</sup> Dedicated Acres 40.0	<sup>13</sup> Joint or Infill N	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. NSL - 4626-A (BHL)
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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

<sup>16</sup> 	<sup>17</sup> OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  Signature John Abernethy Printed Name Manager, Operations & Engineering Title 06/30/2003 Date
	<sup>18</sup> SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from fieldnotes 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> Date of Survey Signature and Seal of Professional Surveyor
	Certificate Number