

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

RECEIVED

Submit to appropriate District Office

AMENDED REPORT

2007 DEC 13 AM 8 28

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

<sup>1</sup> Operator Name and Address <b>Tecton Energy, LLC 3000 Wilcrest, Suite 300 Houston, TX 77042</b>		<sup>2</sup> OGRID Number <b>240497</b>
		<sup>3</sup> API Number <b>30 - 049 - 20047</b>
<sup>4</sup> Property Code	<sup>5</sup> Property Name <b>Tecton State 16</b>	<sup>6</sup> Well No. <b>1</b>
<sup>7</sup> Proposed Pool 1 <b>Wildcat - Entrada</b>		<sup>8</sup> Proposed Pool 2

<sup>7</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
	16	14N	9E	M	597.63'	South	656.77'	West	Santa Fe

<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

**Additional Well Information**

<sup>11</sup> Work Type Code <b>N</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>6273.88</b>
<sup>16</sup> Multiple <b>No</b>	<sup>17</sup> Proposed Depth <b>7500'</b>	<sup>18</sup> Formation <b>Entrada</b>	<sup>19</sup> Contractor <b>TBD</b>	<sup>20</sup> Spud Date <b>May 2008</b>
Depth to Groundwater <b>100 to 600'</b>		Distance from nearest fresh water well <b>900'</b>		Distance from nearest surface water <b>890'</b>
Pit: Liner: Synthetic <input type="checkbox"/> _____mils thick Clay <input type="checkbox"/> Pit Volume: _____bbls Drilling Method: <b>Rotary</b> Closed-Loop System <b>X</b> Fresh Water <b>X</b> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <b>X</b>				

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17.5"	13.375"	54.5# J-55	1500'	1850	Surface
12.25"	9.625"	36# J-55	4000'	2200	Surface
8.75"	7.0"	26# L-80	7500'	1330	Surface

<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.

**This well is designed to test the Entrada which is the primary target at an anticipated TD of 7500'. Other potential shallower oil pays which might be encountered include the Point Lookout, Niobrara, Dakota, and Morrison. The surface casing interval will be drilled using a large water well rig and a fresh water mud system to provide maximum protection of the ground waters in the area. The intermediate and production casing intervals will be drilled using a conventional rotary drilling rig employing a closed loop system and Clean Faze mud system (an environmentally friendly food grade starch based system). Tecton reserves the right to drill the production casing interval with an air mist system. This will depend upon equipment availability and noise abatement issues. The formations to be encountered are anticipated to be normally pressured based on other wells previously drilled in the area. This is a standard oil well location. Closest water well is RG 58674.**

**BOP will be a double ram rated at 5000#.**

**This well should be considered a tite hole.**

<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 NMOCD guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	<b>OIL CONSERVATION DIVISION</b>	
	Approved by:	
Printed name: <b>G. L. Christensen</b>	Title:	
Title: <b>VP - Operations &amp; Engineering</b>	Approval Date:	Expiration Date:
E-mail Address: <b>echristensen@tectonenergy.com</b>		
Date: <b>December 5, 2007</b>	Phone: <b>(281) 668-8065</b>	Conditions of Approval Attached <input type="checkbox"/>

**Before the OCC  
Case 14255  
OCD Exhibit 11**

