

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

¹ Operator Name and Address Tecton Energy, LLC 3000 Wilcrest, Suite 300 Houston, TX 77042		² OGRID Number 240497
		³ API Number 30 - 049 - 20047
⁴ Property Code	⁵ Property Name Tecton State 16	⁶ Well No. 1
⁷ Proposed Pool 1 Wildcat - Entrada		⁸ 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
	16	14N	9E	M	597.63'	South	656.77'	West	Santa Fe

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 S	¹⁵ Ground Level Elevation 6273.88
¹⁶ Multiple No	¹⁷ Proposed Depth 7500'	¹⁸ Formation Entrada	¹⁹ Contractor TBD	²⁰ Spud Date May 2008
Depth to Groundwater 100 to 600'		Distance from nearest fresh water well 900'		Distance from nearest surface water 890'
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: Rotary				
Closed-Loop System X Fresh Water X Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air X				

²¹ 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

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.

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 title hole.

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

Before the OCC
Case 14255
OCD Exhibit 11

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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 October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-049-20047	² Pool Code	³ Pool Name Wildcat - Entrada
⁴ Property Code	⁵ Property Name Tecton State #16	⁶ Well Number 1
⁷ OGRID No. 240497	⁸ Operator Name Tecton Energy, LLC	⁹ Elevation 6273.88

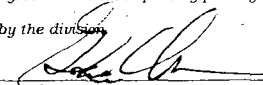
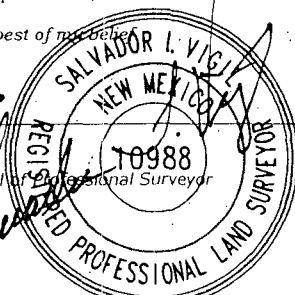
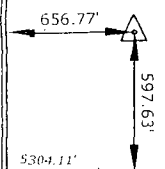
¹⁰ Surface Location

UL or Lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	16	14 N.	9 E.	M	597.63'	South	656.77'	West	Santa Fe

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 40.0	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					¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  Signature 12/5/07 Date G.L. CHRISTENSEN, VP Operations and Engineering Printed Name Tecton Energy, LLC christensen@tectonenergy.com (281)668-8065	
Found Rebar @ stone for 1/4 Corner Section 16	SECTION 16				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. 11.12.07 Date of Survey Signature and Seal of Professional Surveyor  NMPS 10988 Certificate Number	
 <p>WELL 16-1 ELEV=6273.88' NAD 83 CENTRAL ZONE GRID N: 1614434.912 GRID E: 1715310.152 LATITUDE: 35°26'13.186" LONGITUDE: -105°59'54.854"</p>	Found Rebar with 7014 cap at Southeast Section Corner Section 16 N 89°19'29" W					