

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

2007 DEC 13 AM 8:27 AMENDED REPORT

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 30-049-20045
⁴ Property Code	⁵ Property Name Bruce Black	⁶ Well No. 1-2
⁹ Proposed Pool 1 Wildcat - Entrada		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
	I	13N	8E	H	2321.65'	North	1055.92'	East	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 P	¹⁵ Ground Level Elevation 5884.29'
¹⁶ Multiple No	¹⁷ Proposed Depth 5500'	¹⁸ Formation Entrada	¹⁹ Contractor TBD	²⁰ Spud Date May 2008
Depth to Groundwater 20' to 700'		Distance from nearest fresh water well 1725'		Distance from nearest surface water 315'
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	3000'	1650	Surface
8.75"	7.0"	26# L-80	5500'	960	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 5500'. 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 a 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 non-standard oil well location (it is however a standard gas well location. The well is being drilled from the same drill pad as the Black Ferrill #1 to demonstrate and establish the "drilling island" concept. Closest water well is #RG 51928. BOP will be a double ram rated at 5000#.

This well should be considered a tite 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 , a general permit , or an (attached) alternative OCD-approved plan .

Printed name: **G. L. Christensen**

Title: **VP - Operations & Engineering**

E-mail Address: **cchristensen@tectonenergy.com**

Date: **December 5, 2007**

Phone: **(281) 668-8065**

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval Attached

**Before the OCC
Case 14255
OCD Exhibit 9**

