

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

**District III**  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

**State of New Mexico**  
**Energy Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 South St. Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
Revised July 18, 2013

AMENDED REPORT

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

<sup>1</sup> Operator Name and Address ENDURANCE RESOURCES LLC 203 West Wall Suite 1000 Midland, TX 79701		<sup>2</sup> OGRID Number 270329
		<sup>3</sup> API Number 30-025-42282
<sup>4</sup> Property Code 38003	<sup>5</sup> Property Name RED RAIDER BKS STATE	<sup>6</sup> Well No. 3H

**<sup>7</sup> Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
P	25	24 S	33 E		200	S	925	E	LEA

**<sup>8</sup> Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	25	24 S	33 E		230	N	990	E	LEA

**<sup>9</sup> Pool Information**

<sup>9</sup> Pool Name Red Hills: Bone Spring North	<sup>10</sup> Pool Code 96434
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**Additional Well Information**

<sup>11</sup> Work Type New Well	<sup>12</sup> Well Type Oil	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type State	<sup>15</sup> Ground Level Elevation 3501'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 14040'	<sup>18</sup> Formation Avalon	<sup>19</sup> Contractor H & P	<sup>20</sup> Spud Date 11/01/2015
Depth to Ground water: 0-600'		Distance from nearest fresh water well		Distance to nearest surface water

We will be using a closed-loop system in lieu of lined pits

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

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1250	1135	Surface
Int1	12.25	9.625	40	5287	1160	Surface
Prod	8.75	5.5	20	14040	1595	5000

**Casing/Cement Program: Additional Comments**

Plan to drill a 17-1/2" hole to 1,250' with Fresh Water. Run 13-3/8", 54.5#, J-55 csg and cement to surface. Drill 12-1/4" hole to 5,282' with Brine, and run 9-5/8", 40.0#, L-80 csg and cement to surface. Drill 8-3/4" hole to KOP at ~8,864'. Drill a 10 1/2" / 100' curve and a ~4,125' lateral to TD of ~14,040'. Run 5-1/2", 20#, P-110 csg and cement to 4000'.

**<sup>22</sup> Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	Cameron

<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 I have complied with 19.15.14.9 (A) NMAC  and/or 19.15.14.9 (B) NMAC , if applicable.  
Signature: *Tinlee Tilton*

Printed name: Tinlee Tilton

Title: Engineer

E-mail Address: tinlee@enduranceresourcesllc.com

Date: ~~10/17/2015~~ 10/13/2015 Phone: 432-242-4693

**OIL CONSERVATION DIVISION**

Approved By:

Title: *Petroleum Engineer*

Approved Date: 10/13/2015 Expiration Date: 11/24/2016

Conditions of Approval Attached

*SEE ORIGINAL APD FOR ORIGINAL APPROVAL DATE*

OCT 15 2015