

District I
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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

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

⁷ Surface Location									
UL - Lot P	Section 25	Township 24 S	Range 33 E	Lot Idn	Feet from 200	N/S Line S	Feet From 925	E/W Line E	County LEA

⁸ Proposed Bottom Hole Location									
UL - Lot A	Section 25	Township 24 S	Range 33 E	Lot Idn	Feet from 230	N/S Line N	Feet From 990	E/W Line E	County LEA

⁹ Pool Information	
Pool Name Red Hills: Bone Spring North	Pool Code 96434

Additional Well Information				
¹¹ Work Type New Well	¹² Well Type Oil	¹³ Cable/Rotary R	¹⁴ Lease Type State	¹⁵ Ground Level Elevation 3501'
¹⁶ Multiple N	¹⁷ Proposed Depth 14040'	¹⁸ Formation Avalon	¹⁹ Contractor H & P	²⁰ 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

²¹ 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" / 100' curve and a ~4,125' lateral to TD of ~14,040'. Run 5-1/2", 20#, P-110 csg and cement to 4000'.

²² Proposed Blowout Prevention Program			
Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	Cameron

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 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: ~~10/13/2015~~ 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

OCT 15 2015

SEE ORIGINAL APD
FOR ORIGINAL
APPROVAL DATE