

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

Form C-101
Revised July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

HOBBS
AMENDED REPORT
DCT 19 2015
RECEIVED

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
⁴ Property Code 38003 715066		³ API Number 30-025-42282
⁵ Property Name RED RAIDER BKS STATE		⁶ Well No. 3H

7. 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

8. 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

9. Pool Information

Pool Name Red Hills: Bone Spring North	Pool Code 96434
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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: ~~10/01/2015~~ 10/13/2015 Phone: 432-242-4693

OIL CONSERVATION DIVISION

Approved By:

Title: *Petroleum Engineer*

Approved Date: 10/15/15

Expiration Date: 11/24/2016

Conditions of Approval Attached

OCT 22 2015