

District I1625 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**HOBBS OCD****SEP 29 2016****RECEIVED**☐ 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
⁴ Property Code 40147		³ API Number 30-025-43438
⁵ Property Name JAGUAR 18 STATE		⁶ Well No. 4H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	18	23 S	33 E	1	330	N	660	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
P	18	23 S	33 E	1	330	S	660	E	LEA

9. Pool Information

Pool Name	Pool Code
Cruz, Bone Spring	14865

Additional Well Information

¹¹ Work Type New Well	¹² Well Type Oil	¹³ Cable/Rotary R	¹⁴ Lease Type State	¹⁵ Ground Level Elevation 3713'
¹⁶ Multiple N	¹⁷ Proposed Depth 16566'	¹⁸ Formation Bone Spring	¹⁹ Contractor	²⁰ Spud Date 2/1/2017
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	1300	900	Surface
Int	12.25	9.625	40	5250	1125	Surface
Prod	8.75	5.5	20	16566	1900	4000

Casing/Cement Program: Additional Comments

Plan to drill a 17-1/2" hole to 1,300' with Fresh Water. Run 13-3/8", 54.5#, J-55 csg and cement to surface. Drill 12-1/4" hole to 5,250' with Brine, and run 9-5/8", 40.0#, L-80 csg and cement to surface. Drill 8-3/4" hole to KOP at ~11,627'. Drill a 10"/ 100' curve and a ~4,047' lateral to TD of ~16,566'. 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: 9/27/2016

Phone: 432-242-4693

OIL CONSERVATION DIVISION

Approved By:

Title:

Approved Date: 09/29/16

Expiration Date: 09/29/18

Conditions of Approval Attached

Petroleum Engineer