

## 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

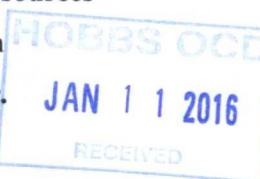
Form C-101  
Revised July 18, 2013

## Energy Minerals and Natural Resources

## Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505


☐ 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>4</sup> Property Code 40147		<sup>3</sup> API Number 30-025-43024
<sup>5</sup> Property Name Jaguar 18 State		<sup>6</sup> Well No. 503H

## 7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
10	18	23 S	33 E		330	S	2500	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
13	18	23 S	33 E		330	N	2200	E	LEA

## 9. Pool Information

Pool Name Bell Lake: Bone Spring North	Pool Code 8150
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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 3699.5'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 15,898' MD	<sup>18</sup> Formation 2 <sup>nd</sup> Bone Spring	<sup>19</sup> Contractor Noram 23	<sup>20</sup> Spud Date 02/01/16
Depth to Ground water: 0-400'		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	1000	760	Surface
Int1	12.25	9.625	40	5100	900	Surface
Prod	8.75	5.5	20	15050	1640	4000

## Casing/Cement Program: Additional Comments

Plan to drill a 17-1/2" hole to 1000' with Fresh Water. Run 13-3/8", 54.5#, J-55 csg and cement to surface. Drill 12-1/4" hole to 5,100' with Brine, and run 9-5/8", 40.0#, L-80 csg and cement to surface. Drill a 10"/ 100' curve and a ~4,350' lateral to TD of ~15,050'. 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: Ms. Tinlee Tilton

Title: Engineer

E-mail Address: tinlee@enduranceresourcesllc.com

Date: 1/8/2016

Phone: 432-242-4693

## OIL CONSERVATION DIVISION

Approved By:

Title: Petroleum Engineer

Approved Date: 01/15/16

Expiration Date: 01/15/18

Conditions of Approval Attached ☒

JAN 15 2016

# CONDITIONS OF APPROVAL

API #	Operator	Well name & Number
30-025-43024	ENDURANCE RESOURCES LLC	JAGUAR 18 STATE # 503H

Applicable conditions of approval marked with XXXXXX

## Administrative Orders Required

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## Other wells

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## Drilling

XXXXXXX	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string

## Casing

XXXXXXX	SURFACE & INTERMEDIATE(1) CASING - Cement must circulate to surface --
XXXXXXX	PRODUCTION CASING - Cement must tie back into intermediate casing --
	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
XXXXXXX	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water

## Lost Circulation

XXXXXXX	Must notify OCD Hobbs Office if lost circulation is encountered at 575-370-3186

## Stage Tool

XXXXXXX	Must notify OCD Hobbs Office prior to running Stage Tool at 575-370-3186
XXXXXXX	If using Stage Tool on Surface casing, Stage Tool must be greater than 350' and a minimum 200 feet above surface shoe.
XXXXXXX	When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.

## Pits

XXXXXXX	If using a pit for drilling and completions, must have an approved pit form prior to spudding the well

## Completion & Production

XXXXXXX	Will require a directional survey with the C-104