

**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: (505) 748-1283 Fax: (505) 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

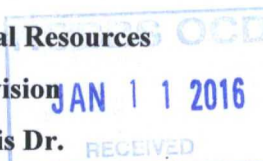
Form C-101  
Revised July 18, 2013

## 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

1. Operator Name and Address ENDURANCE RESOURCES LLC 203 West Wall Suite 1000 Midland, TX 79701		2. OGRID Number 270329
3. Property Code 314276		4. API Number 70-025-43025
5. Property Name Orange Raider 35 State APU STATE		6. Well No. 4H

7. Surface Location									
UL - Lot M	Section 35	Township 23 S 24 S	Range 34 E	Lot Idn	Feet from 315	N/S Line S	Feet From 2165	E/W Line W	County LEA

8. Proposed Bottom Hole Location									
UL - Lot M	Section 35	Township 23 S 24 S	Range 34 E	Lot Idn	Feet from 330	N/S Line N	Feet From 2350	E/W Line W	County LEA

9. Pool Information	
RED HILLS; BONE SPRING, EAST	Pool Code 97369

Additional Well Information				
11. Work Type New Well	12. Well Type Oil	13. Cable/Rotary R	14. Lease Type State	15. Ground Level Elevation 3393.8'
16. Multiple N	17. Proposed Depth 13,900' MD	18. Formation Bone Spring/Avalon	19. Contractor NorAm 23	20. 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	800	Surface
Int1	12.25	9.625	40	5300	1170	Surface
Prod	8.75	5.5	20	13900	1600	4000

### Casing/Cement Program: Additional Comments

Plan to drill a 17.5" 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 5300' w/ brine and set 9-5/8", 40#, L-80 and cement to surface. Drill 8-3/4" hole to KOP @ 8900'. Drill curve on 10"/100' to 9,900' and drill ~3950' lateral to TD of ~13,900'. Run 5-1/2", 20#, HCP-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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: <i>Tinlee Tilton</i>		OIL CONSERVATION DIVISION	
Printed name: Ms. Tinlee Tilton		Approved By: <i>[Signature]</i>	
Title: Engineer		Title: Petroleum Engineer	
E-mail Address: tinlee@enduranceresourcesllc.com		Approved Date: 01/15/16	
Date: 1/8/16		Expiration Date: 01/15/18	
Phone: 432-242-4693		Conditions of Approval Attached <i>[Signature]</i>	

JAN 15 2016



# CONDITIONS OF APPROVAL

API #	Operator	Well name & Number
30-025-43025	ENDURANCE RESOURCES LLC	ORANGE RAIDER APV STATE # 004H

Applicable conditions of approval marked with **XXXXXX**

## Administrative Orders Required

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## Other wells

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## Drilling

<b>XXXXXX</b>	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

<b>XXXXXX</b>	SURFACE & INTERMEDIATE(1) CASING - Cement must circulate to surface --
<b>XXXXXX</b>	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
<b>XXXXXX</b>	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water

## Lost Circulation

<b>XXXXXX</b>	Must notify OCD Hobbs Office if lost circulation is encountered at 575-370-3186

## Stage Tool

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

## Pits

<b>XXXXXX</b>	If using a pit for drilling and completions, must have an approved pit form prior to spudding the well

## Completion & Production

<b>XXXXXX</b>	Will require a directional survey with the C-104