

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: (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

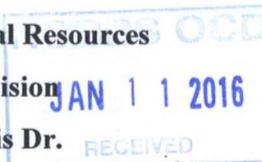
Form C-101
Revised July 18, 2013

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

¹ Operator Name and Address ENDURANCE RESOURCES LLC 203 West Wall Suite 1000 Midland, TX 79701		² OGRID Number 270329
⁴ Property Code 38072 314976		³ API Number 70-025-43025
⁵ Property Name Orange Raider 35 State APU 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
M N	35	23 S 24 S	34 E		315	S	2165	W	LEA

⁸ Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
M C	35	23 S 24 S	34 E		330	N	2350	W	LEA

⁹ Pool Information

¹⁰ Spring Name RED HILLS; BONE SPRING, EAST	¹¹ Pool Code 97369
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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 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	Expiration Date: 01/15/18
Date: 1/8/16	Phone: 432-242-4693	Conditions of Approval Attached <input checked="" type="checkbox"/>

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

XXXXXX	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

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

Lost Circulation

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

Stage Tool

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

Pits

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

Completion & Production

XXXXXX	Will require a directional survey with the C-104