

**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**  
**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**  
**OCT 11 2016**  
**RECEIVED**

☐ AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

Operator Name and Address Rockcliff Operating New Mexico LLC 1301 McKinney, Suite 1300 Houston TX 77010 (713) 351-0500		OGRID Number 371115
Property Code <b>316875</b>		API Number 30-005- <b>29215</b>
Property Name Humboldt State 15 <b>STATE</b>		Well No. 1H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
N	15	8S	32E		120	S	2200	W	Chaves

**\* Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
C	15	8S	32E		330	N	2200	W	Chaves

**9. Pool Information**

Pool Name <b>CHAUAROO Tomahawk; San Andres</b>	Pool Code <b>12049 59469</b>
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**Additional Well Information**

<sup>11</sup> Work Type N	<sup>12</sup> Well Type O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type S	<sup>15</sup> Ground Level Elevation 4386'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth TVD: 4126' & MD: 8829'	<sup>18</sup> Formation San Andres	<sup>19</sup> Contractor to be determined	<sup>20</sup> Spud Date upon approval
Depth to Ground water 70' in RA 12225		Distance from nearest fresh water well 3900' E of Sweetwater Well (not in SEO data)		Distance to nearest surface water ~3/4 mile SW of sinkhole

☒ 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
Surface	12.25"	9.625"	36	1845'	670	GL
Top Produc	8.75"	7"	32	3776'	207	1245
Bot Produc	8.75"	5.5"	23	8829'	965	

**Casing/Cement Program: Additional Comments**

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
annular & rams	2000 psi	2000 psi	to be determined

<sup>23</sup> 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:

Printed name: Brian Wood

Title: Consultant

E-mail Address: brian@permitswest.com

Date: 10-7-16

Phone: 505 466-8120

**OIL CONSERVATION DIVISION**

Approved By:

Title:

**Petroleum Engineer**

Approved Date: 10/12/16

Expiration Date: 10/12/18

Conditions of Approval Attached