

<b>District I</b> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 <b>District II</b> 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 <b>District III</b> 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 <b>District IV</b> 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	<b>State of New Mexico</b> <b>Energy, Minerals and Natural Resources</b> <b>Oil Conservation Division</b> <b>1220 S. St Francis Dr.</b> <b>Santa Fe, NM 87505</b>	Form C-103 August 1, 2011 Permit 251851 WELL API NUMBER 30-025-44499 5. Indicate Type of Lease S 6. State Oil & Gas Lease No.  7. Lease Name or Unit Agreement Name VITALIZER STATE																																																																																																																
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		8. Well Number 502H 9. OGRID Number 372165 10. Pool name or Wildcat																																																																																																																
1. Type of Well: O 2. Name of Operator CENTENNIAL RESOURCE PRODUCTION, LLC 3. Address of Operator 1001 17th Street Suite 18, Denver, CO 80202																																																																																																																		
4. Well Location Unit Letter <u>P</u> : <u>330</u> feet from the <u>S</u> line and feet <u>450</u> from the <u>E</u> line Section <u>33</u> Township <u>21S</u> Range <u>34E</u> NMPM _____ County <u>Lea</u>																																																																																																																		
11. Elevation (Show whether DR, KB, BT, GR, etc.) 3629 GR																																																																																																																		
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/> Pit Type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____ Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____																																																																																																																		
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data <table style="width:100%;"> <tr> <td colspan="2">NOTICE OF INTENTION TO:</td> <td colspan="2">SUBSEQUENT REPORT OF:</td> </tr> <tr> <td>PERFORM REMEDIAL WORK <input type="checkbox"/></td> <td>PLUG AND ABANDON <input type="checkbox"/></td> <td>REMEDIAL WORK <input type="checkbox"/></td> <td>ALTER CASING <input type="checkbox"/></td> </tr> <tr> <td>TEMPORARILY ABANDON <input type="checkbox"/></td> <td>CHANGE OF PLANS <input type="checkbox"/></td> <td>COMMENCE DRILLING OPNS. <input type="checkbox"/></td> <td>PLUG AND ABANDON <input type="checkbox"/></td> </tr> <tr> <td>PULL OR ALTER CASING <input type="checkbox"/></td> <td>MULTIPLE COMPL <input type="checkbox"/></td> <td>CASING/CEMENT JOB <input type="checkbox"/></td> <td></td> </tr> <tr> <td colspan="2">Other: _____</td> <td colspan="2">Other: <u>Drilling/Cement</u> <input checked="" type="checkbox"/></td> </tr> </table>			NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTER CASING <input type="checkbox"/>	TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE OF PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>		Other: _____		Other: <u>Drilling/Cement</u> <input checked="" type="checkbox"/>																																																																																													
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:																																																																																																																
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTER CASING <input type="checkbox"/>																																																																																																															
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE OF PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>																																																																																																															
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>																																																																																																																
Other: _____		Other: <u>Drilling/Cement</u> <input checked="" type="checkbox"/>																																																																																																																
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.) SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. Spud well 03/09/2018. Rig released from location on 04/23/2018 See Attached 3/9/2018 Spudded well.																																																																																																																		
<b>Casing and Cement Program</b> <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Date</th> <th>String</th> <th>Fluid Type</th> <th>Hole Size</th> <th>Csg Size</th> <th>Weight lb/ft</th> <th>Grade</th> <th>Est TOC</th> <th>Dpth Set</th> <th>Sacks</th> <th>Yield</th> <th>Class</th> <th>1" Dpth</th> <th>Pres Held</th> <th>Pres Drop</th> <th>Open Hole</th> </tr> </thead> <tbody> <tr> <td>03/13/18</td> <td>Surf</td> <td>FreshWater</td> <td>17.5</td> <td>13.375</td> <td>54.5</td> <td>J55</td> <td>19</td> <td>1740</td> <td>1060</td> <td>1.74</td> <td>C</td> <td></td> <td>900</td> <td>0</td> <td>N</td> </tr> <tr> <td>03/13/18</td> <td>Surf</td> <td>FreshWater</td> <td>17.5</td> <td>13.375</td> <td>54.5</td> <td>J55</td> <td>1119</td> <td>1740</td> <td>420</td> <td>1.34</td> <td>C</td> <td></td> <td>900</td> <td>0</td> <td>N</td> </tr> <tr> <td>04/07/18</td> <td>Int1</td> <td>Brine</td> <td>12.25</td> <td>9.625</td> <td>40</td> <td>J55</td> <td>0</td> <td>5279</td> <td>505</td> <td>3.4</td> <td>C</td> <td></td> <td>1369</td> <td>58</td> <td>N</td> </tr> <tr> <td>04/07/18</td> <td>Int1</td> <td>Brine</td> <td>12.25</td> <td>9.625</td> <td>40</td> <td>J55</td> <td>4071</td> <td>5279</td> <td>300</td> <td>1.33</td> <td>C</td> <td></td> <td>1369</td> <td>58</td> <td>N</td> </tr> <tr> <td>04/20/18</td> <td>Prod</td> <td>Brine</td> <td>8.75</td> <td>5.5</td> <td>20</td> <td>P110</td> <td>0</td> <td>15130</td> <td>820</td> <td>3.51</td> <td>POZ</td> <td></td> <td>11000</td> <td>0</td> <td>N</td> </tr> <tr> <td>04/20/18</td> <td>Prod</td> <td>Brine</td> <td>8.75</td> <td>5.5</td> <td>20</td> <td>P110</td> <td>9807</td> <td>15130</td> <td>1225</td> <td>1.35</td> <td>H</td> <td></td> <td>11000</td> <td>0</td> <td>N</td> </tr> </tbody> </table>			Date	String	Fluid Type	Hole Size	Csg Size	Weight lb/ft	Grade	Est TOC	Dpth Set	Sacks	Yield	Class	1" Dpth	Pres Held	Pres Drop	Open Hole	03/13/18	Surf	FreshWater	17.5	13.375	54.5	J55	19	1740	1060	1.74	C		900	0	N	03/13/18	Surf	FreshWater	17.5	13.375	54.5	J55	1119	1740	420	1.34	C		900	0	N	04/07/18	Int1	Brine	12.25	9.625	40	J55	0	5279	505	3.4	C		1369	58	N	04/07/18	Int1	Brine	12.25	9.625	40	J55	4071	5279	300	1.33	C		1369	58	N	04/20/18	Prod	Brine	8.75	5.5	20	P110	0	15130	820	3.51	POZ		11000	0	N	04/20/18	Prod	Brine	8.75	5.5	20	P110	9807	15130	1225	1.35	H		11000	0	N
Date	String	Fluid Type	Hole Size	Csg Size	Weight lb/ft	Grade	Est TOC	Dpth Set	Sacks	Yield	Class	1" Dpth	Pres Held	Pres Drop	Open Hole																																																																																																			
03/13/18	Surf	FreshWater	17.5	13.375	54.5	J55	19	1740	1060	1.74	C		900	0	N																																																																																																			
03/13/18	Surf	FreshWater	17.5	13.375	54.5	J55	1119	1740	420	1.34	C		900	0	N																																																																																																			
04/07/18	Int1	Brine	12.25	9.625	40	J55	0	5279	505	3.4	C		1369	58	N																																																																																																			
04/07/18	Int1	Brine	12.25	9.625	40	J55	4071	5279	300	1.33	C		1369	58	N																																																																																																			
04/20/18	Prod	Brine	8.75	5.5	20	P110	0	15130	820	3.51	POZ		11000	0	N																																																																																																			
04/20/18	Prod	Brine	8.75	5.5	20	P110	9807	15130	1225	1.35	H		11000	0	N																																																																																																			
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> .																																																																																																																		
<table style="width:100%;"> <tr> <td>SIGNATURE</td> <td><u>Electronically Signed</u></td> <td>TITLE</td> <td><u>Regulatory Manager</u></td> <td>DATE</td> <td><u>5/3/2018</u></td> </tr> <tr> <td>Type or print name</td> <td><u>Heidi Kaczor</u></td> <td>E-mail address</td> <td><u>heidi.kaczor@cdevinc.com</u></td> <td>Telephone No.</td> <td><u>720-763-8075</u></td> </tr> </table>			SIGNATURE	<u>Electronically Signed</u>	TITLE	<u>Regulatory Manager</u>	DATE	<u>5/3/2018</u>	Type or print name	<u>Heidi Kaczor</u>	E-mail address	<u>heidi.kaczor@cdevinc.com</u>	Telephone No.	<u>720-763-8075</u>																																																																																																				
SIGNATURE	<u>Electronically Signed</u>	TITLE	<u>Regulatory Manager</u>	DATE	<u>5/3/2018</u>																																																																																																													
Type or print name	<u>Heidi Kaczor</u>	E-mail address	<u>heidi.kaczor@cdevinc.com</u>	Telephone No.	<u>720-763-8075</u>																																																																																																													
<b>For State Use Only:</b> <table style="width:100%;"> <tr> <td>APPROVED BY:</td> <td><u>Paul F Kautz</u></td> <td>TITLE</td> <td><u>Geologist</u></td> <td>DATE</td> <td><u>5/3/2018 1:53:36 PM</u></td> </tr> </table>			APPROVED BY:	<u>Paul F Kautz</u>	TITLE	<u>Geologist</u>	DATE	<u>5/3/2018 1:53:36 PM</u>																																																																																																										
APPROVED BY:	<u>Paul F Kautz</u>	TITLE	<u>Geologist</u>	DATE	<u>5/3/2018 1:53:36 PM</u>																																																																																																													

## **CENTENNIAL VITALIZER STATE 502H**

<b><u>SURFACE</u></b>	<b>LEAD</b>	<b>1060 SKS</b>	<b>1166 CUFT</b>	<b>TAIL</b>	<b>420 SKS</b>	<b>434 CUFT</b>
	LEHIGH C	100		LEHIGH C	100	
	BENTONITE	4%		CALCIUM CHLORIDE	2%	
	CALCIUM CHLORIDE	1%		C-45 ECONOLITE	0.10%	
	C-45 ECONOLITE	0.25%				
	C-503P DEFOAMER	0.75%				
	PHENOSEAL	.25 #/SK				
<b>1 STAGE INTERMEDIATE</b>	<b>1ST STAGE LEAD</b>	<b>505 SKS</b>	<b>704 CUFT</b>	<b>1ST STAGE TAIL</b>	<b>300 SKS</b>	<b>305 CUFT</b>
	TXI LIGHTWEIGHT	100		LEHIGH C	100	
	C-45 ECONOLITE	2.25%		C-20 RETARDER	0.20%	
	C-503P DEFOAMER	0.30%		C-51 SUSPENSION	0.05%	
	CITRIC ACID	0.10%		C-503P DEFOAMER	0.25%	
	C-19 FLUID LOSS	0.10%				
	CSA-1000 FLUID LOSS	0.20%				
	STE	6%				
	SALT	1.73 #/SK				
	KOL SEAL	6 #/SK				
	PHENOSEAL	1.5 #/SK				
	GYP SEAL	8 #/SK				
<b>PRODUCTION</b>	<b>LEAD</b>	<b>820 SKS</b>	<b>1279 CUFT</b>	<b>TAIL</b>	<b>1225 SKS</b>	<b>1250 CUFT</b>
	TXI LIGHTWEIGHT, CHP-07	95/5		LEHIGH H, POZ, CHP-07	72/25/3	
	C-47B FLUID LOSS	0.10%		C-20 RETARDER	0.15%	
	C-503P DEFOAMER	0.30%		C-47B FLUID LOSS	0.25%	
	CITRIC ACID	0.20%		CSA-1000 FLUID LOSS	0.10%	
	CSA-1000 FLUID LOSS	0.28%				
	STE	6%				
	SALT	8.99 #/SK				
	KOL SEAL	6 #/SK				
	PHENOSEAL	2.5 #/SK				

**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 Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Comments  
  
Permit 251851

**DRILLING COMMENTS**

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 18 Denver, CO 80202	OGRID: 372165
	Permit Number: 251851
	Permit Type: Drilling

**Comments**

Created By	Comment	Comment Date
sferreyros	Additives and cement volumes are found in attachment. Temperatures in zone of interest: Surface - 100 degrees; Intermediate - 124 degrees; Production - 163 degrees	5/3/2018