

<b>District I</b> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-8161 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 189331 WELL API NUMBER 30-015-41628 5. Indicate Type of Lease S 6. State Oil & Gas Lease No. 7. Lease Name or Unit Agreement Name COTTONWOOD HILLS 32 STATE COM 8. Well Number 005H 9. OGRID Number 215099 10. Pool name or Wildcat																																																																
<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.)																																																																		
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2. Name of Operator CIMAREX ENERGY CO.		9. OGRID Number 215099																																																																
3. Address of Operator 600 N MARIENFELD STREET , SUITE 600 , MIDLAND , TX 79701		10. Pool name or Wildcat																																																																
4. Well Location Unit Letter <u>P</u> : <u>330</u> feet from the <u>S</u> line and feet <u>330</u> from the <u>E</u> line Section <u>32</u> Township <u>25S</u> Range <u>27E</u> NMPM _____ County <u>Eddy</u>																																																																		
11. Elevation (Show whether DR, KB, BT, GR, etc.) 3159 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"/>																																													
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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. See Attached <b>Casing and Cement Program</b> <table style="width:100%; border-collapse: collapse;"> <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>05/16/14</td> <td>Surf</td> <td>FreshWater</td> <td>17.5</td> <td>13.375</td> <td>48</td> <td>J-55</td> <td>0</td> <td>475</td> <td>500</td> <td>1.35</td> <td>C</td> <td></td> <td>1500</td> <td>0</td> <td>Y</td> </tr> <tr> <td>05/19/14</td> <td>Int1</td> <td>FreshWater</td> <td>12.25</td> <td>9.625</td> <td>36</td> <td>J-55</td> <td>0</td> <td>2009</td> <td>690</td> <td>1.87</td> <td>C</td> <td></td> <td>1500</td> <td>0</td> <td>Y</td> </tr> <tr> <td>05/30/14</td> <td>Prod</td> <td>FreshWater</td> <td>8.75</td> <td>5.5</td> <td>48</td> <td>J-55</td> <td>0</td> <td>11855</td> <td>2350</td> <td>2.78</td> <td>H</td> <td></td> <td>6200</td> <td>0</td> <td>Y</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	05/16/14	Surf	FreshWater	17.5	13.375	48	J-55	0	475	500	1.35	C		1500	0	Y	05/19/14	Int1	FreshWater	12.25	9.625	36	J-55	0	2009	690	1.87	C		1500	0	Y	05/30/14	Prod	FreshWater	8.75	5.5	48	J-55	0	11855	2350	2.78	H		6200	0	Y
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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 NMOCD guidelines <input type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> .																																																																		
SIGNATURE <u>Electronically Signed</u> TITLE <u>Prod Admin Supervisor</u> DATE <u>7/17/2014</u> Type or print name <u>GENEA A HOLLOWAY</u> E-mail address <u>gholloway@cimarex.com</u> Telephone No. <u>918-295-1658</u>																																																																		
<b>For State Use Only:</b> APPROVED BY: <u>Randy Dade</u> TITLE <u>District Supervisor</u> DATE <u>7/18/2014 7:15:00 AM</u>																																																																		

Cottonwood Hills 32 St 5H

API#: 30-015-41628

C-103 Casing Summary

5/15/14 Spud Well

5/16/14 TD 17 1/2" Surface Hole at 475'.

Ran 13 3/8" 48#, J-55 ST&C Casing to 475'.

Mix & Pump 500 sxs of Premium Plus C tail cmt, 14.8 ppg, 1.347 yld.

Circ 62 sxs of cmt to surface. WOC 24+ hrs.

5/17/13 Test Casing to 1500 psi for 30 min, good test.

5/19/14 TD 12 1/4" Hole at 2009'.

Ran 9 5/8" 36# J-55 LT&C Casing to 2009'.

Mix & Pump Lead cmt: 530 sxs of Lead EconoCem C 12.9 ppg, 1.866 yld. Tail cmt: 160 sxs of HalCem C cmt, 14.8 ppg, 1.327 yld. Circ 238 sxs of cmt to surface. WOC 24+ hrs.

5/20/14 Test Casing to 1500 psi for 30 min, ok.

5/28/14 TD Well at 11855'.

5/29/14 Ran 5 1/2" 48# J-55 LT&C & BT&C Casing to 11855'.

5/30/14 Mix & Pump Lead cmt: 980 sxs of Tuned Light cmt, 10.8 ppg, 2.779 yld. Tai cmt: 1370 sxs of VersaCem Class H cmt, 14.5 ppg, 1.218 yld. WOC.

5/31/14 Rig Released

6/6/14 Test csg to 6200 psi for 30 min, good test.

**District I**  
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**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 189331

**DRILLING COMMENTS**

Operator: CIMAREX ENERGY CO. 600 N MARIENFELD STREET MIDLAND , TX 79701	OGRID: 215099
	Permit Number: 189331
	Permit Type: Drilling

**Comments**

Created By	Comment	Comment Date
There are no Comments for this Permit		