

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	Form C-103 August 1, 2011 Permit 321834 WELL API NUMBER 30-015-49529 5. Indicate Type of Lease S 6. State Oil & Gas Lease No. 7. Lease Name or Unit Agreement Name SANTANA STATE COM 20 CD																																																																
SUNDRY NOTICES AND REPORTS ON WELLS (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.)																																																																		
1. Type of Well: O		8. Well Number 005H																																																																
2. Name of Operator LONGFELLOW ENERGY, LP		9. OGRID Number 372210																																																																
3. Address of Operator 8115 Preston Road, Suite 800, Dallas, TX 75225		10. Pool name or Wildcat																																																																
4. Well Location Unit Letter <u>M</u> : <u>1180</u> feet from the <u>S</u> line and feet <u>200</u> from the <u>W</u> line Section <u>21</u> Township <u>17S</u> Range <u>28E</u> NMPM _____ County <u>Eddy</u>																																																																		
11. Elevation (Show whether DR, KB, BT, GR, etc.) 3612 GR																																																																		
Pit or Below-grade Tank Application ☐ or Closure ☐ 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 ☐</td> <td>PLUG AND ABANDON ☐</td> <td>REMEDIAL WORK ☐</td> <td>ALTER CASING ☐</td> </tr> <tr> <td>TEMPORARILY ABANDON ☐</td> <td>CHANGE OF PLANS ☐</td> <td>COMMENCE DRILLING OPNS. ☐</td> <td>PLUG AND ABANDON ☐</td> </tr> <tr> <td>PULL OR ALTER CASING ☐</td> <td>MULTIPLE COMPL ☐</td> <td>CASING/CEMENT JOB ☐</td> <td></td> </tr> <tr> <td colspan="2">Other: _____</td> <td colspan="2">Other: Drilling/Cement ☒</td> </tr> </table>			NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTER CASING ☐	TEMPORARILY ABANDON ☐	CHANGE OF PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDON ☐	PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐		Other: _____		Other: Drilling/Cement ☒																																													
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:																																																																
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTER CASING ☐																																																															
TEMPORARILY ABANDON ☐	CHANGE OF PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDON ☐																																																															
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐																																																																
Other: _____		Other: Drilling/Cement ☒																																																																
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. Set 9-5/8". Pump 30bbl FWS then cmt w/ 430sxs 13.5 ppg 1.72 yield followed by 150 sxs 14.8 ppg 1.33 yield. Circulated cmt back to surface. Full returns throughout job. NU BOP's, Test 250# low & 3000# high, good test. Test 9-5/8" casing to 1500psi for 30 min, good test. Drill 8-3/4" hole to 9464'M/3646'V. TD on 7/2/22. Pump 50bbl FWS then cement w/ 325 sxs 12.2 ppg, 2.16 yield followed by 1110 sxs 14.8 ppg 1.33 yield. Bumped plug. No cement to surface. Estimated TOC at 336'. RD and release rig 7/5/22. 6/24/2022 Spudded well.																																																																		
Casing and Cement Program <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>06/25/22</td> <td>Surf</td> <td>FreshWater</td> <td>12.25</td> <td>9.625</td> <td>36</td> <td>J55</td> <td>0</td> <td>1268</td> <td>575</td> <td>1.33</td> <td>C</td> <td>0</td> <td>5000</td> <td>0</td> <td>N</td> </tr> <tr> <td>07/04/22</td> <td>Prod</td> <td>FreshWater</td> <td>8.75</td> <td>5.5</td> <td>20</td> <td>L-80</td> <td>336</td> <td>9464</td> <td>1435</td> <td>1.33</td> <td>C</td> <td>0</td> <td></td> <td></td> <td>N</td> </tr> <tr> <td>07/04/22</td> <td>Prod</td> <td>FreshWater</td> <td>8.75</td> <td>7</td> <td>32</td> <td>L-80</td> <td></td> <td>4172</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></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	06/25/22	Surf	FreshWater	12.25	9.625	36	J55	0	1268	575	1.33	C	0	5000	0	N	07/04/22	Prod	FreshWater	8.75	5.5	20	L-80	336	9464	1435	1.33	C	0			N	07/04/22	Prod	FreshWater	8.75	7	32	L-80		4172							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																																																			
06/25/22	Surf	FreshWater	12.25	9.625	36	J55	0	1268	575	1.33	C	0	5000	0	N																																																			
07/04/22	Prod	FreshWater	8.75	5.5	20	L-80	336	9464	1435	1.33	C	0			N																																																			
07/04/22	Prod	FreshWater	8.75	7	32	L-80		4172							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 NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐ .																																																																		
<table style="width:100%;"> <tr> <td style="width:15%;">SIGNATURE</td> <td style="width:35%;"><u>Electronically Signed</u></td> <td style="width:15%;">TITLE</td> <td style="width:15%;"></td> <td style="width:15%;">DATE</td> <td style="width:20%;"><u>7/19/2022</u></td> </tr> <tr> <td>Type or print name</td> <td><u>Ryan Culpepper</u></td> <td>E-mail address</td> <td><u>ryan.culpepper@longfellowenergy.com</u></td> <td>Telephone No.</td> <td><u>972-590-9933</u></td> </tr> </table>			SIGNATURE	<u>Electronically Signed</u>	TITLE		DATE	<u>7/19/2022</u>	Type or print name	<u>Ryan Culpepper</u>	E-mail address	<u>ryan.culpepper@longfellowenergy.com</u>	Telephone No.	<u>972-590-9933</u>																																																				
SIGNATURE	<u>Electronically Signed</u>	TITLE		DATE	<u>7/19/2022</u>																																																													
Type or print name	<u>Ryan Culpepper</u>	E-mail address	<u>ryan.culpepper@longfellowenergy.com</u>	Telephone No.	<u>972-590-9933</u>																																																													
For State Use Only: <table style="width:100%;"> <tr> <td style="width:15%;">APPROVED BY:</td> <td style="width:35%;"><u>Patricia L Martinez</u></td> <td style="width:15%;">TITLE</td> <td style="width:15%;"></td> <td style="width:15%;">DATE</td> <td style="width:20%;"><u>8/9/2022 2:55:51 PM</u></td> </tr> </table>			APPROVED BY:	<u>Patricia L Martinez</u>	TITLE		DATE	<u>8/9/2022 2:55:51 PM</u>																																																										
APPROVED BY:	<u>Patricia L Martinez</u>	TITLE		DATE	<u>8/9/2022 2:55:51 PM</u>																																																													