

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 248396 WELL API NUMBER 30-025-43607 5. Indicate Type of Lease S 6. State Oil & Gas Lease No. 7. Lease Name or Unit Agreement Name GRAMA RIDGE 8 STATE																																																																																
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 002H																																																																																
2. Name of Operator MARATHON OIL PERMIAN LLC		9. OGRID Number 372098																																																																																
3. Address of Operator 5555 San Felipe St., Houston, TX 77056		10. Pool name or Wildcat																																																																																
4. Well Location Unit Letter <u>O</u> : <u>250</u> feet from the <u>S</u> line and feet <u>1965</u> from the <u>E</u> line Section <u>8</u> Township <u>22S</u> Range <u>34E</u> NMPM County <u>Lea</u>																																																																																		
11. Elevation (Show whether DR, KB, BT, GR, etc.) 3534 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 NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ TEMPORARILY ABANDON ☐ CHANGE OF PLANS ☐ PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐ Other: _____ SUBSEQUENT REPORT OF: REMEDIAL WORK ☐ ALTER CASING ☐ COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDON ☐ CASING/CEMENT JOB ☐ 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. MIRU, Spud 8/23/2017. Drill 17.5" hole to TD 1,652'; run 13 5/8" csg, cement casing, NU BOP, pressure test annular (250/2500), valves (250/5000), rams (250/5000), choke manifold (250/5000). Pressure test casing to 1500 psi for 30 min. held test good. Drill 12 1/4" hole to TD 4,985'; run 9 5/8" csg, cement casing, pressure tests casing to 1500 psi for 30 min, held, test good. Drill 8 3/4" hole to TD 11,954', run 7" casing, cement, pressure test to 4600 psi for 30 min, held, test good. Drill 6 1/8" hole to TD 16,115', run 4.5" casing, cement liner, pressure test to 4500 psi for 30 min, held, tes 8/23/2017 Spudded well.																																																																																		
Casing and Cement Program <table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <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>08/24/17</td> <td>Surf</td> <td>FreshWater</td> <td>17.5</td> <td>13.375</td> <td>54.5</td> <td>J55</td> <td>25</td> <td>1638</td> <td>1640</td> <td>1.62</td> <td>C</td> <td></td> <td>1500</td> <td>0</td> <td>N</td> </tr> <tr> <td>08/27/17</td> <td>Int1</td> <td>Brine</td> <td>12.25</td> <td>9.625</td> <td>40</td> <td>L80IC</td> <td>25</td> <td>4978</td> <td>992</td> <td>3.45</td> <td>c</td> <td></td> <td>1500</td> <td>0</td> <td>N</td> </tr> <tr> <td>09/06/17</td> <td>Prod</td> <td>CutBrine</td> <td>8.75</td> <td>7</td> <td>29</td> <td>P110IC</td> <td>25</td> <td>11944</td> <td>940</td> <td>3.48</td> <td>C</td> <td></td> <td>4600</td> <td>0</td> <td>N</td> </tr> <tr> <td>09/14/17</td> <td>Liner1</td> <td>OilBasedMud</td> <td>6.125</td> <td>4.5</td> <td>13.5</td> <td>P110CY</td> <td>10757</td> <td>16113</td> <td>510</td> <td>1.24</td> <td>H</td> <td></td> <td>4500</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	08/24/17	Surf	FreshWater	17.5	13.375	54.5	J55	25	1638	1640	1.62	C		1500	0	N	08/27/17	Int1	Brine	12.25	9.625	40	L80IC	25	4978	992	3.45	c		1500	0	N	09/06/17	Prod	CutBrine	8.75	7	29	P110IC	25	11944	940	3.48	C		4600	0	N	09/14/17	Liner1	OilBasedMud	6.125	4.5	13.5	P110CY	10757	16113	510	1.24	H		4500	0	N
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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 ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐ .																																																																																		
SIGNATURE _____ Type or print name <u>Electronically Signed</u> TITLE _____ E-mail address <u>Melissa Szudera</u> Regulatory Compliance Representative _____ <u>mszudera@marathonoil.com</u> DATE _____ Telephone No. <u>2/15/2018</u> <u>701-260-7272</u>																																																																																		
For State Use Only: APPROVED BY: <u>Paul Kautz</u> TITLE _____ Geologist _____ DATE <u>2/16/2018 8:08:58 AM</u>																																																																																		

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

Comments
Permit 248396

DRILLING COMMENTS

Operator: MARATHON OIL PERMIAN LLC 5555 San Felipe St. Houston, TX 77056	OGRID: 372098
	Permit Number: 248396
	Permit Type: Drilling

Comments

Created By	Comment	Comment Date
acovarrubias	The as-drilled C-102, as drilled directional, casing and cement spreadsheet, and the wellbore schematic will be sent via email.	2/13/2018