

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 275644 WELL API NUMBER 30-015-46200 5. Indicate Type of Lease S 6. State Oil & Gas Lease No. 7. Lease Name or Unit Agreement Name SOUTHERN COMFORT 36 SB 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 004H																																																																
2. Name of Operator MARATHON OIL PERMIAN LLC		9. OGRID Number 372098																																																																
3. Address of Operator 5555 San Felipe St., Permian Regulatory Team, Houston, TX 77056		10. Pool name or Wildcat																																																																
4. Well Location Unit Letter <u>O</u> : <u>302</u> feet from the <u>S</u> line and feet <u>1734</u> from the <u>E</u> line Section <u>36</u> Township <u>24S</u> Range <u>28E</u> NMPM _____ County <u>Eddy</u>																																																																		
11. Elevation (Show whether DR, KB, BT, GR, etc.) 2932 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 ☒																																													
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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 10/7/2019 Spudded well.																																																																		
Casing and Cement Program <table border="1" 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>10/07/19</td> <td>Surf</td> <td>FreshWater</td> <td>17.5</td> <td>13.375</td> <td>54.5</td> <td>J55</td> <td>0</td> <td>470</td> <td>535</td> <td>1.34</td> <td>C</td> <td></td> <td>1495</td> <td>5</td> <td>N</td> </tr> <tr> <td>12/09/19</td> <td>Int1</td> <td>Brine</td> <td>12.25</td> <td>9.625</td> <td>36</td> <td>J55</td> <td>0</td> <td>2701</td> <td>935</td> <td>2.01</td> <td>C</td> <td></td> <td>2095</td> <td>5</td> <td>N</td> </tr> <tr> <td>12/18/19</td> <td>Prod</td> <td>OilBasedMud</td> <td>8.75</td> <td>5.5</td> <td>17</td> <td>P110</td> <td>0</td> <td>15825</td> <td>3460</td> <td>2.66</td> <td>H</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	10/07/19	Surf	FreshWater	17.5	13.375	54.5	J55	0	470	535	1.34	C		1495	5	N	12/09/19	Int1	Brine	12.25	9.625	36	J55	0	2701	935	2.01	C		2095	5	N	12/18/19	Prod	OilBasedMud	8.75	5.5	17	P110	0	15825	3460	2.66	H				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 ☐ .																																																																		
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DRILLING OPERATIONS:

SOUTHERN COMFORT 36 SB STATE 4H

API 30-015-46200

MIRU. Spud 10/7/2019. Drill 17.5" hole to 470'. Run 13 5/8" csg, 54.5#, 12 jts, J55, STC, to 470'. 10/8 - Cement csg with 20 bbls spacer, 535 sacks of tail cement with 293 sacks of cement to surface. RDMO. 12/7 - MIRU. NU BOP, pressure test annualr (250/3500), all others (250/5000). Pressure test csg to 1500 for 30 min, held, test good. Drill 12 1/4" hole to 2716'. Run 9 5/8" csg. Cement csg by pumping 20 bbls of spacer, 760 sks of lead cement, 175 sks of tail cement with 447 sks of cement to surface. 12/10 - Pressure test csg to 2100 psi for 30 min, 5 psi drop. Test good. Drill 8 3/4" hole to 15836'. 12/18/2019 - Run 5 1/2" csg, 17#, 357 jts, CYHP BHT, to 15825'. 12/19 - Cement csg with 50 bbls spacer, 1105 sacks of lead cement, 2355 sacks of tail cement, with 1291 sacks of cement to surface. 12/20 - RDMO. Pressure test for production casing will be performed during completions.

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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 275644

DRILLING COMMENTS

Operator: MARATHON OIL PERMIAN LLC 5555 San Felipe St. Houston, TX 77056	OGRID: 372098
	Permit Number: 275644
	Permit Type: Drilling

Comments

Created By	Comment	Comment Date
rpodany	Incomplete 5,6,10	12/17/2019
acovarrubias	Items 5, 6, and 10 don't auto-populate in the Online OCD Submittal system. Talked with R. Podany about this issue and given the approval to re-submit.	12/17/2019
acovarrubias	Pressure test for production casing will be done during completions.	12/23/2019