

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 267684 WELL API NUMBER 30-025-45433 5. Indicate Type of Lease P 6. State Oil & Gas Lease No. 7. Lease Name or Unit Agreement Name WEST CROSSROADS SAN ANDRES UNIT																																																
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 324H																																																
2. Name of Operator MANZANO LLC		9. OGRID Number 231429																																																
3. Address of Operator P.O. Box 2107, Roswell, NM 88202		10. Pool name or Wildcat																																																
4. Well Location Unit Letter <u>3</u> : <u>600</u> feet from the <u>N</u> line and feet <u>1584</u> from the <u>W</u> line Section <u>5</u> Township <u>10S</u> Range <u>36E</u> NMPM County <u>Lea</u>																																																		
11. Elevation (Show whether DR, KB, BT, GR, etc.) 4049 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: Drilling/Cement <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: Drilling/Cement <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: Drilling/Cement <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. TD surface hole @ 1:00pm on 12/28/18 @ 2243' & run 8 5/8" casing. Cement w/850sx. Plug down @ 7:00am on 12/29/18. Circulated 296sx. Wait on cement 19hrs before drilling on cement. Start drilling new formation in 7.875" hole @ 3:00am on 12/30/18. Drill vertical section f/2243'-KOP @ 4040'. Drill curve f/4040'-5300'. Drill lateral f/5300'-10332' (TD hole @ 4:15am on 1/4/19). Run 5.5" production casing to 10305'. Cement w/2050sx. Plug down @ 2:30pm on 1/5/19. Circulated 29sx. Release rig on 1/5/19																																																		
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>12/29/18</td> <td>Surf</td> <td>FreshWater</td> <td>12.25</td> <td>8.625</td> <td>32</td> <td>J55</td> <td>0</td> <td>2243</td> <td>850</td> <td>2.2</td> <td>C</td> <td>0</td> <td>1000</td> <td>0</td> <td>Y</td> </tr> <tr> <td>01/04/19</td> <td>Prod</td> <td>Brine</td> <td>7.875</td> <td>5.5</td> <td>20</td> <td>L80</td> <td>0</td> <td>10305</td> <td>2050</td> <td>1.8</td> <td>C</td> <td>0</td> <td>1000</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	12/29/18	Surf	FreshWater	12.25	8.625	32	J55	0	2243	850	2.2	C	0	1000	0	Y	01/04/19	Prod	Brine	7.875	5.5	20	L80	0	10305	2050	1.8	C	0	1000	0	Y
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																																			
12/29/18	Surf	FreshWater	12.25	8.625	32	J55	0	2243	850	2.2	C	0	1000	0	Y																																			
01/04/19	Prod	Brine	7.875	5.5	20	L80	0	10305	2050	1.8	C	0	1000	0	Y																																			
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>Manager</u></td> <td>DATE</td> <td><u>5/22/2019</u></td> </tr> <tr> <td>Type or print name</td> <td><u>Michael Hanagan</u></td> <td>E-mail address</td> <td><u>debby@manzanoenergy.com</u></td> <td>Telephone No.</td> <td><u>505-623-1996</u></td> </tr> </table>			SIGNATURE	<u>Electronically Signed</u>	TITLE	<u>Manager</u>	DATE	<u>5/22/2019</u>	Type or print name	<u>Michael Hanagan</u>	E-mail address	<u>debby@manzanoenergy.com</u>	Telephone No.	<u>505-623-1996</u>																																				
SIGNATURE	<u>Electronically Signed</u>	TITLE	<u>Manager</u>	DATE	<u>5/22/2019</u>																																													
Type or print name	<u>Michael Hanagan</u>	E-mail address	<u>debby@manzanoenergy.com</u>	Telephone No.	<u>505-623-1996</u>																																													
For State Use Only: <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>5/22/2019 12:04:33 PM</u></td> </tr> </table>			APPROVED BY:	<u>Paul F Kautz</u>	TITLE	<u>Geologist</u>	DATE	<u>5/22/2019 12:04:33 PM</u>																																										
APPROVED BY:	<u>Paul F Kautz</u>	TITLE	<u>Geologist</u>	DATE	<u>5/22/2019 12:04:33 PM</u>																																													

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 267684

DRILLING COMMENTS

Operator: MANZANO LLC P.O. Box 2107 Roswell, NM 88202	OGRID: 231429
	Permit Number: 267684
	Permit Type: Drilling

Comments

Created By	Comment	Comment Date
------------	---------	--------------

There are no Comments for this Permit