

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources

Form C-104  
Revised Feb. 26, 2007

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit to Appropriate District Office  
5 Copies

☐ AMENDED REPORT

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AUG 27 2018

DISTRICT II-ARTESIA O.C.D.

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address <b>VANGUARD OPERATING, LLC</b> c/o Mike Pippin LLC, 3104 N. Sullivan Farmington, NM 87401		<sup>2</sup> OGRID Number <b>258350</b>
		<sup>3</sup> Reason for Filing Code/ Effective Date RT Sept. 2018
<sup>4</sup> API Number <b>30 - 015-40480</b>	<sup>5</sup> Pool Name Artesia; Queen-Grayburg-San Andres	<sup>6</sup> Pool Code <b>51300</b>
<sup>7</sup> Property Code <b>315559</b>	<sup>8</sup> Property Name <b>WILLIAMS A FEDERAL</b>	<sup>9</sup> Well Number <b>10</b>

II. <sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
M	29	17-S	28-E		600	SOUTH	645	WEST	EDDY

<sup>11</sup> Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	29	17-S	28-E		335	SOUTH	336	WEST	EDDY
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date READY	<sup>15</sup> C-129 Permit Number		<sup>16</sup> C-129 Effective Date		<sup>17</sup> C-129 Expiration Date		

III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
5108	Sentinel Transportation, LLC 4001 E. 42 <sup>nd</sup> Street, Suite 307, Odessa, TX 79762	O
151618	Frontier Field Service 4200 Skelly Dr. Suite 700, Tulsa, OK 74135	G

IV. Well Completion Data

<sup>21</sup> Spud Date 7/25/12	<sup>22</sup> Ready Date WO: 8/14/18	<sup>23</sup> TD MD3750'	<sup>24</sup> PBTD MD3695' CBP@3350'	<sup>25</sup> Perforations MD1880'-3251'	<sup>26</sup> DHC, MC
<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set	<sup>30</sup> Sacks Cement		
12-1/4"	8-5/8" 24	434'	380 sx H		
7-7/8"	5-1/2" 17#	MD3743'	350 sx C + 400 sx C		
2-7/8" tubing		MD3240'			

V. Well Test Data

<sup>31</sup> Date New Oil READY	<sup>32</sup> Gas Delivery Date READY	<sup>33</sup> Test Date	<sup>34</sup> Test Length	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure
<sup>37</sup> Choke Size	<sup>38</sup> Oil (bbls)	<sup>39</sup> Water (bbls)	<sup>40</sup> Gas (MCF)		<sup>41</sup> Test Method

<sup>42</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Mike Pippin</i>		OIL CONSERVATION DIVISION Approved by: <i>Buster F. Hines</i>	
Printed name: Mike Pippin		Title: <i>Business Affairs Manager</i>	
Title: Petroleum Engineer - Agent		Approval Date: <i>8-30-2018</i>	
E-mail Address: mike@pippinllc.com			
Date: 8/22/18	Phone: 505-327-4573		

Pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**5. Lease Serial No.  
NMNMO48344

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
WILLIAMS A FEDERAL 109. API Well No.  
50-015-4048010. Field and Pool or Exploratory Area  
RED LAKE, Q-GB-SA 5130011. County or Parish, State  
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

## 1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
VANGURARD OPERATING, LLCContact: MIKE PIPPIN  
E-Mail: mike@pippinllc.com3a. Address  
3104 N SULLIVAN  
FARMINGTON, NM 874013b. Phone No. (include area code)  
Ph: 505-327-45734. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 29 T17S R28E SWSW 600FSL 645FWL**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

THIS IS THE RE-COMPLETION OF THIS WELL TO SAN ANDRES.

On 7/23/18, MIRUSU. TOH w/rods, pump, & tbg. Set 5-1/2" CBP @ 3350'. PT 5-1/2" csg to 1100 psi with certified chart recorder for 30 min-OK. See attached chart. PT csg to 3500 psi for 5 min-OK.

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On 8/7/18, perfed San Andres @ 2895'-3251' w/36 holes. On 8/8/18, treated new perms w/1500 gal 15% HCL acid & fraced w/30,045# 100 mesh & 290,708# 40/70 sand in slick water. Spotted 500 gal 15% HCL across next stage.  
Set 5-1/2" CBP @ 2810'. Perfed SA @ 2355'-2691' w/33 holes. Treated new San Andres perms w/1000 gal 15% HCL & fraced w/31,345# 100 mesh & 289,041# 40/70 sand in slick water. Spotted 500 gal 15% HCL across next stage.  
Set 5-1/2" CBP @ 2270'. Perfed SA @ 1880'-2191' w/31 holes. Treated new SA perms w/1000 gal 15% HCL

AUG 27 2018

DISTRICT II-ARTESIA O.C.L.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #432350 verified by the BLM Well Information System  
For VANGURARD OPERATING, LLC, sent to the Carlsbad

Name (Printed/Typed) MIKE PIPPIN

Title PETROLEUM ENGINEER

Signature (Electronic Submission)

Date 08/22/2018

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

Pending BLM approvals will  
subsequently be reviewed  
and scanned

8/30/18

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly to make any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

Department or agency of the United States

(Instructions on page 2)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**Additional data for EC transaction #432350 that would not fit on the form**

**32. Additional remarks, continued**

& fraced w/31,570# 100 mesh & 224,711# 40/70 sand in slick water.  
On 8/9/18, MIRUSU. CO after frac, drilled CBPs @ 2270' & 2810', & CO to CBP @ 3350'. On 8/12/18, landed ESP on 2-7/8" 6.5# J-55 tbg @ 3240'. Released completion rig on 8/14/18. After production has stableized in a few months, we plan to remove the CBP @ 3350' & DHC as per State order DHC-4673 & the approved BLM DHC on 6/2/14.