

NM OIL CONSERVATION
ARTESIA DISTRICT

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEC 21 2017

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS RECEIVED
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2

<p>1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other</p> <p>2. Name of Operator VANGUARD OPERATING, LLC Contact: MIKE PIPPIN E-Mail: MIKE@PIPPINLLC.COM</p> <p>3a. Address C/O MIKE PIPPIN 3104 N. SULLIVAN FARMINGTON, NM 87401</p> <p>3b. Phone No. (include area code) Ph: 505-327-4573</p> <p>4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 29 T17S R28E SENW 2300FNL 1650FWL</p>	<p>5. Lease Serial No. NMLC046250B</p> <p>6. If Indian, Allottee or Tribe Name</p> <p>7. If Unit or CA/Agreement, Name and/or No.</p> <p>8. Well Name and No. WILLIAMS B FEDERAL 11</p> <p>9. API Well No. 30-015-41889</p> <p>10. Field and Pool or Exploratory Area RED LAKE, SAN ANDRES 97253</p> <p>11. County or Parish, State EDDY COUNTY, NM</p>
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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 recomplete 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 recompletion 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 FOR A RECOMPLETION FROM YESO TO THE SAN ANDRES.

On 12/1/17, MIRUSU. TOH w/rods, pump, & tbg. Set a 5-1/2" CBP @ 3300' & PT CBP & 5-1/2" csg to 3500 psi-OK. (Existing Yeso perfs are at 3370'-3510'). On 12/12/17, PT 5-1/2" csg to 740 psi w/certified chart recorder for 30 min as per COA from the BLM (see the attached chart).
Perfed lower SA @ 2750'-3087' w/33 holes. On 12/13/17, treated new perfs w/1000 gal 15% HCL & frac w/30,124# 100 mesh & 282,116# 40/70 white sand in slick water. Spotted 500 gal 15% HCL over next stage.
Set a 5-1/2" CBP @ 2725' & PT to 3500 psi-OK. Perfed middle SA @ 2400'-2701' w/31 holes. Treated new perfs w/1000 gal 15% HCL & frac w/29,959# 100 mesh & 257,340# 40/70 white sand in slick water. Spotted 500 gal 15% HCL across next stage.
Set a 5-1/2" CBP @ 2362' & PT to 3500 psi-OK. Perfed upper SA @ 1887'-2324' w/35 holes. Treated new

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

**Electronic Submission #398563 verified by the BLM Well Information System
For VANGUARD OPERATING, LLC, sent to the Carlsbad**

Name (Printed/Typed) MIKE PIPPIN	Title PETROLEUM ENGINEER
Signature (Electronic Submission)	Date 12/19/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

<p>Approved By _____</p> <p>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.</p>	<p>Title Pending BLM approvals will subsequently be reviewed and scanned</p> <p>Office _____</p>
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Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowin States any false, fictitious or fraudulent statements or representations as to any matter within its juris

(Instructions on page 2)

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

12-22-17

RECEIVED

OC 12-22-17

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Additional data for EC transaction #398563 that would not fit on the form

32. Additional remarks, continued

perfs w/1500 gal 15% HCL & frac w/30,037# 100 mesh & 179,756# 40/70 white sand in slick water. On 12/14/17, MIRUSU. CO after frac & drilled out CBPs @ 2362' & 2725', & CO to CBP @ 3300'. Landed 2-7/8" 6.5# J-55 production tbg @ 3065'. Ran pump & rods. Released workover rig on 12/18/17. Completed as a single San Andres oil well with Yeso perfs SI below CBP @ 3300'. Following a test of the SA alone the CBP @ 3300' will be removed and the well DHC as per the approved BLM DHC application and State order DHC-4733.