

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

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address VANGUARD OPERATING, LLC c/o Mike Pippin LLC, 3104 N. Sullivan Farmington, NM 87401		² OGRID Number 258350
		³ Reason for Filing Code/ Effective Date Re-completion
⁴ API Number 30 - 015-41890	⁵ Pool Name Artesia; Queen-Grayburg-San Andres	⁶ Pool Code 51300
⁷ Property Code 315559	⁸ Property Name WILLIAMS A FEDERAL	⁹ Well Number 12

II. ¹⁰ Surface Location

UL or lot no. N	Section 29	Township 17-S	Range 28-E	Lot Idn	Feet from the 330	North/South Line SOUTH	Feet from the	East/West line WEST	County EDDY
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¹¹ Bottom Hole Location

UL or lot no. N	Section 29	Township 17-S	Range 28-E	Lot Idn	Feet from the 331	North/South line SOUTH	Feet from the	East/West line WEST	County EDDY
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date READY	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
005108	Sentinel Transportation LLC 4001 E. 42 nd Street, Suite 307, Odessa, TX 79762	O
151618	Frontier Field Service LLC 4200 Skelly Drive, Suite 700, Tulsa, OK 74135	G
NM OIL CONSERVATION ARTESIA DISTRICT SEP 19 2018 RECEIVED		

IV. Well Completion Data

²¹ Spud Date 2/28/14	²² Ready Date WO: 8/17/18	²³ TD MD3700'	²⁴ PBTD MD3655' CBP@3480'	²⁵ Perforations MD1980'-3290'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12-1/4"	8-5/8" 24	437'	300 sx H		
7-7/8"	5-1/2" 17#	MD3694'	300 sx 35/65 C + 335 sx C		
	2-7/8" tubing	MD3273'			

V. Well Test Data

³¹ Date New Oil 8/16/18	³² Gas Delivery Date 8/16/18	³³ Test Date 8/23/18	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil (bbbls) 127	³⁹ Water (bbbls) 255	⁴⁰ Gas (MCF) 235		⁴¹ Test Method Pumping

⁴² 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>Rusty Klein</i> Title: <i>Business Ops Spec A</i> Approval Date: <i>9-27-18</i>		
Printed name: Mike Pippin					
Title: Petroleum Engineer - Agent					
E-mail Address: mike@pippinllc.com					
Date: 9/17/18			Phone: 505-327-4573		

Pending BLM approvals will
subsequently be reviewed
and scanned

10/5/18

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNM OIL CONSERVATION
ARTESIA DISTRICT
NEW MEXICOSEP 19 2018
SEP 19 2018
RECEIVED
RECEIVEDFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM048344

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
WILLIAMS A FEDERAL 129. API Well No.
30-015-4189010. Field and Pool, or Exploratory
RED LAKE, Q-GB-SA 5130011. Sec., T., R., M., or Block and Survey
or Area Sec 29 T17S R28E Mer12. County or Parish
EDDY COUNTY13. State
NM17. Elevations (DF, KB, RT, GL)*
3710 GL1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff. Resvr.
Other _____2. Name of Operator
VANGURARD OPERATING, LLC Contact: MIKE PIPPIN
E-Mail: mike@pippinllc.com3. Address C/O MIKE PIPPIN 3104 N SULLIVAN
FARMINGTON, NM 874013a. Phone No. (include area code)
Ph: 505-327-4573

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface SESW 330FSL 2200FWL

At top prod interval reported below NWSE 335FSL 1679FWL

At total depth SESW 331FSL 1642FWL

14. Date Spudded
02/28/201415. Date T.D. Reached
03/06/201416. Date Completed
☐ D & A ☐ Ready to Prod.
08/17/201818. Total Depth: MD 3700
TVD 359119. Plug Back T.D.: MD 3655
TVD 354620. Depth Bridge Plug Set: MD 3480
TVD 338321. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CASED HOLE NEUTRON LOG22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	8.625 J-55	24.0	0	437		300	72	0	0
7.875	5.500 J-55	17.0	0	3694		635	181	0	0

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	3273							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
RED LAKE, Q-G-SA 51300	1219	3430	1980 TO 2199		32	OPEN
B)			2461 TO 2777		33	OPEN
C)			2920 TO 3290		33	OPEN
D)			3436 TO 3618		40	SI BELOW CBP @ 3480'

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
1980 TO 2199	1500 GAL 15% HCL & FRACED W/29,430# 100 MESH & 163,130# 40/70 SAND IN SLICK WATER
2461 TO 2777	1500 GAL 15% HCL & FRACED W/30,100# 100 MESH & 243,950# 40/70 SAND IN SLICK WATER
2920 TO 3290	1500 GAL 15% HCL & FRACED W/30,240# 100 MESH & 292,260# 40/70 SAND IN SLICK WATER
3536 TO 3618	2500 GAL 15% HCL & FRACED W/54,545# 16/30 & 18,866# 16/30 RESIN COATED SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08/16/2018	08/23/2018	24	▶	127.0	235.0	255.0			ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		▶	127	235	255	1850	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			▶						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		▶						

Pending BLM approval
subsequently be reviewed
and scanned

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #435636 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

SUBMITTED **

Pending BLM approvals will
subsequently be reviewed
and scanned

10/15/18

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GRAYBURG SAN ANDRES	1682 2014	2014 3430	OIL & GAS OIL & GAS	QUEEN GRAYBURG SAN ANDRES GLORIETA YESO 7 RIVERS	1219 1682 2014 3430 3462 626

32. Additional remarks (include plugging procedure):

THIS IS FOR A RECOMPLETION FROM YESO TO SAN ANDRES.

Following a few months production from the San Andres, the CBP @ 3480' will be removed & the well will be DHC with the Yeso as per the approved BLM DHC application on 7/7/15 and State order DHC-4756.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #435636 Verified by the BLM Well Information System.
For VANGUARD OPERATING, LLC, sent to the Carlsbad

Name (please print) MIKE PIPPIN

Title PETROLEUM ENGINEER

Signature _____ (Electronic Submission)

Date 09/17/2018

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

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**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.*FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 20185. Lease Serial No.
NMNM048344

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 129. API Well No.
30 58-015-4189010. 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@pipinllc.com3a. Address
3104 N SULLIVAN
FARMINGTON, NM 874013b. Phone No. (include area code)
Ph: 505-245-1515
**MINERAL CONSERVATION
ARTESIA DISTRICT**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 29 T17S R28E SESW 330FSL 2200FWL

SEP 19 2018

RECEIVED

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 recompleat 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 recompleat 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 7/30/18, MIRUSU. TOH w/rods, pump, & tbg. Set 5-1/2" CBP @ 3480'. (Existing Yeso perfs are @ 3536'-3618'). PT 5-1/2" csg to 1000 psi with certified chart recorder for 35 min-OK. See attached chart. PT csg to 4500 psi for 15 min-OK.

On 8/7/18, perfed San Andres @ 2920'-3290' w/33 holes. On 8/10/18, treated new perfs w/1500 gal 15% HCL acid & fraced w/30,240# 100 mesh & 292,260# 40/70 sand in slick water. Spotted 500 gal 15% HCL across next stage.

Set 5-1/2" CBP @ 2865'. Perfed SA @ 2461'-2777' w/33 holes. Treated new San Andres perfs w/1000 gal 15% HCL & fraced w/30,100# 100 mesh & 243,950# 40/70 sand in slick water. Spotted 500 gal 15% HCL across next stage.

Set 5-1/2" CBP @ 2350'. Perfed SA @ 1980'-2199' w/32 holes. Treated new SA perfs w/1000 gal 15% HCL

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

**Electronic Submission #432369 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 OFFICEPending BLM approvals will
subsequently be reviewed
and scanned
9-27-18

Approved By

Title

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 and willfully make any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

make to any department or agency of the United States

(Instructions on page 2)

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

10/15/18

Additional data for EC transaction #432369 that would not fit on the form

32. Additional remarks, continued

& fraced w/29,430# 100 mesh & 163,130# 40/70 sand in slick water.
On 8/13/18, MIRUSU. CO after frac, drilled CBPs @ 2350' & 2865', & CO to CBP @ 3480'. On 8/15/18, landed 2-7/8" 6.5# J-55 tbg @ 3273'. Ran pump & rods. Released completion rig on 8/17/18. After production has stableized in a few months, we plan to remove the CBP @ 3480' & DHC as per State order DHC-4756 & the approved BLM DHC on 7/7/15.