

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

NM OIL CONSERVATION
ARTESIA DISTRICT
FEB 09 2018

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
⁴ API Number 30 - 015-41889		³ Reason for Filing Code/ Effective Date Recompletion
⁵ Pool Name Red Lake, San Andres	⁶ Pool Code 97253	
⁷ Property Code 315549	⁸ Property Name WILLIAMS B FEDERAL	⁹ Well Number 11

RECEIVED

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
F	29	17-S	28-E		2300	NORTH	1650	WEST	EDDY

¹¹ 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
F									

¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
F	P	READY			

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 4200 Skelly Dr. Suite 700, Tulsa, OK 74135	G

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBSD	²⁵ Perforations	²⁶ DHC, MC
3/8/14	WO: 12/18/17	3538'	3525' CBP@3300'	1887'-3087'	DHC-4733

²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement
12-1/4"	8-5/8" 24	437'	300 sx C
7-7/8"	5-1/2" 17#	3535'	310 sx 35/65 Poz C + 375 sx C
	2-7/8" tubing	3065'	

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Thg. Pressure	³⁶ Csg. Pressure
12/17/17	12/17/17	1/29/18	24 HRS		

³⁷ Choke Size	³⁸ Oil (bbls)	³⁹ Water (bbls)	⁴⁰ Gas (MCF)	⁴¹ Test Method
	55	345	166	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: *Mike Pippin*

Printed name: Mike Pippin

Title: Petroleum Engineer - Agent

E-mail Address: mike@pippinllc.com

Date: 2/5/18

Phone: 505-327-4573

OIL CONSERVATION DIVISION

Approved by: *Raymond W. Pedersen*

Title: *Geologist*

Approval Date: *2-28-2018*

Pending BLM approvals will subsequently be reviewed and scanned

FEB 09 2018

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

5. Lease Serial No.
NMLC046250B

1a. 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.com
 3. Address: C/O MIKE PIPPIN 3104 N SULLIVAN FARMINGTON, NM 87401 3a. Phone No. (include area code) Ph: 505-327-4573
 4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface SENW 2300FNL 1650FWL
 At top prod interval reported below SENW 2300FNL 1650FWL
 At total depth SENW 2300FNL 1650FWL

6. If Indian, Allottee or Tribe Name
 7. Unit or CA Agreement Name and No.
 8. Lease Name and Well No. WILLIAMS B FEDERAL 11
 9. API Well No. 30-015-41889
 10. Field and Pool, or Exploratory RED LAKE, SAN ANDRES 97253
 11. Sec., T., R., M., or Block and Survey or Area Sec 29 T17S R28E Mer
 12. County or Parish EDDY COUNTY 13. State NM
 14. Date Spudded 03/08/2014 15. Date T.D. Reached 03/11/2014 16. Date Completed D & A Ready to Prod. 12/18/2017
 17. Elevations (DF, KB, RT, GL)* 3647 GL
 18. Total Depth: MD 3538 TVD 19. Plug Back T.D.: MD 3525 TVD 20. Depth Bridge Plug Set: MD 3300 TVD
 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CASED HOLE NEUTRON LOG
 22. 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	71	0	0
7.875	5.500 J-55	17.0	0	3535		685	197	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	3065							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
RED LAKE, SAN ANDRES 97253	1879	3251	1887 TO 2324		35	OPEN
B)			2400 TO 2701		31	OPEN
C)			2750 TO 3087		33	OPEN
D)			3370 TO 3510	0.340	36	SI BELOW CBP @ 3300'

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

Depth Interval	Amount and Type of Material
1887 TO 2324	2000 GAL 15% HCL & FRACED W/30,037# 100 MESH & 179,756# 40/70 SAND IN SLICK WATER
2400 TO 2701	1500 GAL 15% HCL & FRACED W/29,959# 100 MESH & 257,340# 40/70 SAND IN SLICK WATER
2750 TO 3087	1000 GAL 15% HCL & FRACED W/30,124# 100 MESH & 282,116# 40/70 SAND IN SLICK WATER
3370 TO 3510	2500 GAL 15% HCL & FRACED W/73,060# 16/30 & 18,060# 16/30 RESIN 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
12/17/2017	01/29/2018	24	▶	55.0	166.0	345.0			ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			▶	55	166	345	3018	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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			▶						

Pending BLM approvals will subsequently be reviewed and scanned

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

ELECTRONIC SUBMISSION #403366 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

BC 3-2-18
SUBMITTED **

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
SAN ANDRES	1879	3251	OIL & GAS	QUEEN	1130
GLORIETA	3251	3370	OIL & GAS	GRAYBURG	1544
YESO	3370		OIL & GAS	SAN ANDRES	1879
				GLORIETA	3251
				YESO	3370
				7 RIVERS	565

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, it will be DHC with the Yeso as per the approved BLM DHC application and State order DHC-4733.

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 #403366 Verified by the BLM Well Information System.
For VANGURARD OPERATING, LLC, sent to the Carlsbad**

Name (please print) MIKE PIPPIN Title PETROLEUM ENGINEER

Signature (Electronic Submission) Date 02/05/2018

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 ****