

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

MAR 05 2019

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO.

30-015-42156

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name  
ENRON STATE

8. Well Number 21

9. OGRID Number  
258350

10. Pool name or Wildcat  
Artesia; GL-Yeso; Artesia; Qn-Gb-SA

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: Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
VANGUARD OPERATING, LLC

3. Address of Operator  
5847 SAN FELIPE, STE. 3000, HOUSTON, TEXAS, 77057

4. Well Location

Unit Letter D : 385 feet from the NORTH line and 900 feet from the WEST line  
Section 32 Township 17S Range 28E NMPM County EDDY

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3,676' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐  
OTHER: Recomplete Well to San Andres ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
OTHER: ☐

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Vanguard Operating, LLC would like to recomplete this Yeso oil well to the San Andres & DHC as follows: MIRUSU. TOH w/ rods, pump, tbg. Set a 5-1/2" CBP @ 3,370' & pressure test csg to 3,500 psig. Bleed pressure and chart csg integrity test at 1,000 psig for 30 minutes. (Existing Yeso perfs are @ 3,417'-4,140'). Perforate lower San Andres @ ~2,896'-3,208' w/ 36 holes. MIRU frac company. Stimulate with 1,000 gals 15% HCL & frac w/ ~30,000# 100 mesh, ~175,560# 40/70 Ottawa, and ~91,140# 40/70 Coolset sand in slick water. Spot 500 gals 15% HCL across stage 2 perforations.

Set a 5-1/2" CBP @ 2,800' & PT to 3,500 psig. Perf middle San Andres @ 2,408'-2,632' w/ 34 holes. Stimulate with 1,500 gals 15% HCL & frac w/ ~30,000# 100 mesh, ~133,984# 40/70 Ottawa, and ~76,650# 40/70 Coolset sand in slick water.

CO after frac and drill out CBP @ 2,800'. CO to CBP @ 3,370'. Run 2-7/8" J-55 production tbg & land @ 3,175'. Run pump and rods. Release workover rig. Complete as a single San Andres oil well. See the attached proposed wellbore diagram. Following a test of the San Andres and approval of the DHC application, the CBP @ 3,370' will be removed and the well will be DHC.

Spud Date: 09/09/2014

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [Signature] TITLE Operations Engineer DATE 03/04/2019

Type or print name Kyle Zimmermann E-mail address: kzimmerman@vnrenergy.com PHONE: 432-202-0145

For State Use Only

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

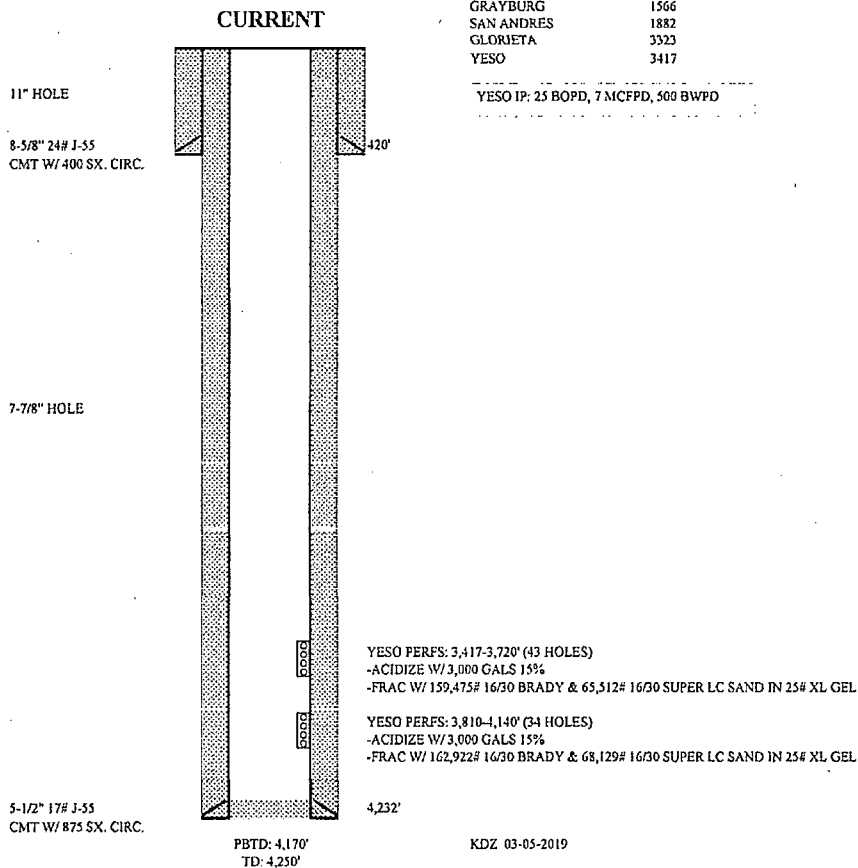
LEASE/WELL: ENRON STATE #21  
 LOCATION 385' FNL & 900' FWL  
 D-SEC 32-T17S-R28E  
 CO/ST: EDDY COUNTY, NEW MEXICO  
 FIELD: RED LAKE; GLORIETA-YESO NE  
 API NO. 30-015-42156

GR 3676  
 SPUDDED 9/9/2014  
 COMPLETED 9/29/2014  
 LAT 32.796814  
 LONG -104.2034988

INCLINATION SURVEY DATA  
 MD (ft) Inclination (deg)  
 220 0.3  
 391 0.5  
 715 0.4  
 1196 0.6  
 1579 0.6  
 1963 0.3  
 2475 0.8  
 2988 1.1  
 3372 1  
 3784 0.8  
 4190 1.1

FORMATION TOPS PER C-105  
 SEVEN RIVERS 588  
 QUEEN 1149  
 GRAYBURG 1566  
 SAN ANDRES 1882  
 GLORIETA 3323  
 YESO 3417

YESO IP: 25 BOPD, 7 MCFPD, 500 BWPD



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MD (ft)	Inclination (deg)
220	0.3
391	0.5
715	0.4
1196	0.6
1579	0.6
1963	0.3
2475	0.8
2988	1.1
3372	1
3784	0.8
4190	1.1

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