

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) 476-3469
1220 S. St. Francis Dr., Santa Fe, NM
87505

RECEIVED
DEC 06 2018

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

DISTRICT II-ARTESIA O.C.D.

WELL API NO. 30-015-34994
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name TIGNER STATE
8. Well Number 2
9. OGRID Number 258350
10. Pool name or Wildcat Artesia; GL-Yeso; Red Lake; Qn-Gb-SA
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3664' GR

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 L : 1,650 feet from the SOUTH line and 380 feet from the WEST line
Section 28 Township 17S Range 28E NMPM County EDDY

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: Recomplete Well to San Andres ☒	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 @ 3,250' & pressure test csg to 3,500 psig. Bleed pressure and chart csg integrity test at 1,000 psig for 30 minutes. (Existing Yeso perms are @ 3,308'-3,498'). Perforate lower San Andres @ ~3,077'-3,240' w/ 31 holes. MIRU frac company. Stimulate with 1,000 gals 15% HCL & frac w/ ~30,000# 100 mesh & ~162,960# 40/70 Ottawa sand in slick water. Spot 500 gals 15% HCL across stage 2 perforations.

Set a 5-1/2" CBP @ 3,050' & PT to 3,500 psig. Perf middle San Andres @ 2,788'-3,030' w/ 31 holes. Stimulate w/ 1,000 gals 15% HCL & frac w/ ~30,000# 100 mesh & ~217,770# 40/70 Ottawa sand in slick water. Spot 500 gals 15% HCL across stage 3 perforations.

Set a 5-1/2" CBP @ 2,740' & PT to 3,500 psig. Perf upper San Andres @ 2,270'-2,692' w/ 38 holes. Stimulate w/ 1,500 gals 15% HCL & frac w/ ~30,000# 100 mesh & ~296,730# 40/70 Ottawa sand in slick water.

CO after frac and drill out CBP's @ 2,740' & 3,050'. CO to CBP @ 3,250'. 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 @ 3,250' will be removed and the well will be DHC.

Spud Date: 10/30/2006 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 12/06/2018

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

For State Use Only

APPROVED BY: [Signature] TITLE Geologist DATE 12-6-20
Conditions of Approval (if any):

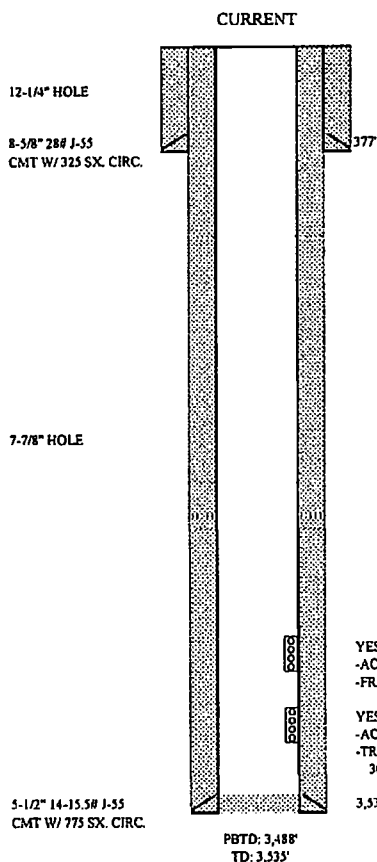
LEASE/WELL: TIGNER STATE #2
 LOCATION 1,650' FSL & 380' FWL
 L-28-T17S-R28E
 CO/ST: EDDY COUNTY, NEW MEXICO
 FIELD: ARTESIA; GLORIETA-YESO
 API NO. 30-015-34994

GR 3664
 SPUDDED 10/30/2006
 COMPLETED 12/6/2006 ORIGINAL YESO COMPLETION
 9/21/2011 YESO PAY-ADD
 LAT 32.8026199
 LONG -104.1881714

INCLINATION SURVEY DATA
 MD (ft) Inclination (deg)
 380 0.25
 862 0.25
 1367 0.5
 1873 1
 2338 1.25
 2808 1.25
 3324 1.5

FORMATION TOPS PER C-105
 YATES 636
 SEVEN RIVERS 950
 QUEEN 1304
 GRAYBURG 1624
 SAN ANDRES 1946
 GLORIETA 3306
 PADDOCK 3428

ORIGINAL YESO IP: 30 BOPD, 60 MCFPD, 191 BWPD
 YESO PAY-ADD IP: 18 BOPD, 39 MCFPD, 143 BWPD



YESO PAY-ADD PERFS: 3,308-3,499' (35 HOLES)
 -ACIDIZE W/ 3,300 GALS 15%
 -FRAC W/ 115,939# 16/30 & 25,350# 16/30 SIBERPROP SAND IN XL GEL

YESO PERFS: 3,424-3,498' (20 HOLES)
 -ACIDIZE W/ 3,000 GALS 15% NEFE
 -TREAT W/ 110 GALS SQ300, 20,000 GALS HEATED 20% NEFE,
 30,000 GALS HEATED 40% LINEAR GEL & 3,000 GALS 15% NEFE COOL DOWN

3,534'

PBTD: 3,488'
 TD: 3,535'

KDZ 12-06-2018

LEASE/WELL: TIGNER STATE #2
 LOCATION 1,650' FSL & 380' FWL
 L-28-T175-R28E
 CO/ST: EDDY COUNTY, NEW MEXICO
 FIELD: ARTESIA; GLORIETA-YESO
 API NO. 30-015-34994

GR 3664
 SPUDDED 10/30/2006
 COMPLETED 12/6/2006 ORIGINAL YESO COMPLETION
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