

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 2015

CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505  
DISTRICT II-ARTESIA O.C.D.

WELL API NO.  
30-015-40086

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 4

9. OGRID Number  
258350

10. Pool name or Wildcat  
Artesia; GL-Yeso; Red Lake; 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 L : 1,650 feet from the SOUTH line and 990 feet from the WEST line

Section 28 Township 17S Range 28E NMPM County EDDY

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3671' 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 @ 3,290' & 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 @ 3,340'-3,510'). Perforate lower San Andres @ ~3,108'-3,279' w/ 35 holes. MIRU frac company. Stimulate with 1,000 gals 15% HCL & frac w/ ~30,000# 100 mesh, ~96,600# 40/70 Ottawa, and ~48,300# 40/70 Coolset sand in slick water. Spot 500 gals 15% HCL across stage 2 perforations.

Set a 5-1/2" CBP @ 3,090' & PT to 3,500 psig. Perf middle San Andres @ 2,801'-3,078' w/ 36 holes. Stimulate with 1,000 gals 15% HCL & frac w/ ~30,000# 100 mesh, ~150,994# 40/70 Ottawa, and ~76,650# 40/70 Coolset sand in slick water. Spot 500 gals 15% HCL across stage 3 perforations.

Set a 5-1/2" CBP @ 2,750' & PT to 3,500 psig. Perf upper San Andres @ 2,342'-2,730' w/ 39 holes. Stimulate with 1,000 gals 15% HCL & frac w/ ~30,000# 100 mesh, ~216,335# 40/70 Ottawa, and ~98,875# 40/70 Coolset sand in slick water.

CO after frac and drill out CBP's @ 2,750' & 3,090'. CO to CBP @ 3,290'. Run 2-7/8" J-55 production tbg & land @ 3,250'. 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 @ 3,290' will be removed and the well will be DHC.

Spud Date:

06/01/2015

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 03/05/2019

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

For State Use Only

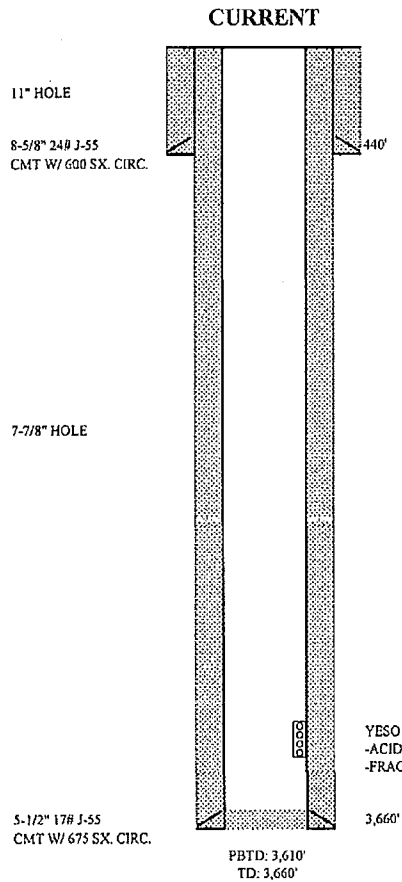
APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

LEASE/WELL: TIGNER STATE #4  
LOCATION 1,650' FSL & 990' FWL  
L-28-T175-R28E  
CO/ST: EDDY COUNTY, NEW MEXICO  
FIELD: ARTESIA; GLORIETA-YESO  
API NO. 30-015-40086

GR 3671  
SPUDDED 6/1/2015  
COMPLETED 6/15/2015 ORIGINAL YESO COMPLETION  
LAT 32.8026619  
LONG -104.1861877  
FORMATION TOPS PER C-105  
SEVEN RIVERS 654  
QUEEN 1223  
GRAYBURG 1644  
SAN ANDRES 1968  
GLORIETA 3326  
YESO 3436

ORIGINAL YESO IP: 55 BOPD, 152 MCFPD, 933 BWPD



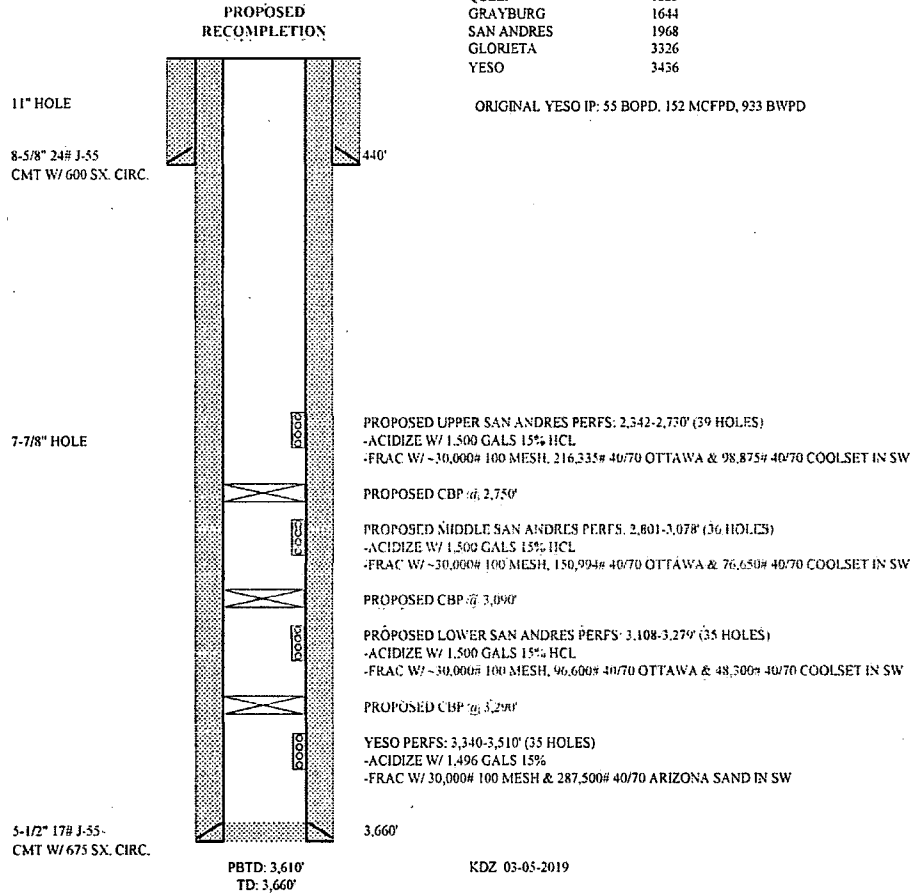
YESO PERFS: 3,340-3,510' (35 HOLES)  
-ACIDIZE W/ 1,496 GALS 15%  
-FRAC W/ 30,000# 100 MESH & 287,500# 40/70 ARIZONA SAND IN SW

KDZ 03-05-2019

LEASE/WELL: TIGNER STATE #4  
 LOCATION 1,650' FSL & 990' FWL  
 L-28-T17S-R28E  
 CO/ST: EDDY COUNTY, NEW MEXICO  
 FIELD: ARTESIA: GLORIETA-YESO  
 API NO. 30-015-40086

GR 3671  
 SPUDDED 6/1/2015  
 COMPLETED 6/15/2015 ORIGINAL YESO COMPLETION  
 LAT 32.8026619  
 LONG -104.1861877  
 FORMATION TOPS PER C-105  
 SEVEN RIVERS 654  
 QUEEN 1223  
 GRAYBURG 1644  
 SAN ANDRES 1968  
 GLORIETA 3326  
 YESO 3436

ORIGINAL YESO IP: 55 BOPD, 152 MCFPD, 933 BWPD



KDZ 03-05-2019