

Office

Revised July 18, 2013

District I - (575) 393-6161

RECEIVED Energy, Minerals and Natural Resources

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

DISTRICT VII-ARTESIA O.C.D.

WELL API NO.

30-015-37692

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name
KERSEY STATE

8. Well Number

4

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 P : 360 feet from the SOUTH line and 990 feet from the EAST lineSection 32 Township 17S Range 28E NMPM County EDDY

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3,666' 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 @ 3,625' & 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 @ 3,673'-4,989'). Perforate lower San Andres @ ~3,232'-3,543' w/ 33 holes. MIRU frac company. Stimulate with 1,000 gals 15% HCL & frac w/ ~30,000# 100 mesh, ~172,515# 40/70 Ottawa, and ~ 84,210# 40/70 Coolset sand in slick water. Spot 500 gals 15% HCL across stage 2 perforations.

Set a 5-1/2" CBP @ 3,195' & PT to 3,500 psig. Perf middle San Andres @ 2,948'-3,180' w/ 31 holes. Stimulate with 1,000 gals 15% HCL & frac w/ ~30,000# 100 mesh, ~131,149# 40/70 Ottawa, and ~ 68,250# 40/70 Coolset sand in slick water. Spot 500 gals 15% HCL across stage 3 perforations.

Set a 5-1/2" CBP @ 2,880' & PT to 3,500 psig. Perf upper San Andres @ 2,560'-2,838' w/ 36 holes. Stimulate with 1,000 gals 15% HCL & frac w/ ~30,000# 100 mesh, ~153,545# 40/70 Ottawa, and ~ 77,875# 40/70 Coolset sand in slick water.

CO after frac and drill out CBP's @ 2,880' & 3,195'. CO to CBP @ 3,625'. Run 2-7/8" J-55 production tbg & land @ 3,525'. 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 @ 3,625' will be removed and the well will be DHC.

Spud Date:

07/06/2010

Rig Release Date:

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

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: KERSEY STATE 004

LOCATION 360' FSL & 990' FEL
P-32-17S-28E

CO/ST: EDDY COUNTY, NEW MEXICO

FIELD: ARTESIA, GLORIETA-YESO

API NO. 30-015-37692

GR 3,666'

SPUDDED 7/6/2010

COMPLETED 8/7/2010 ORIGINAL COMPLETION
1/28/2011 YESO PAY-ADD WORKOVER

LAT 32.7846909
LONG -104.1925201

FORMATION TOPS PER C-105

QUEEN 1,241'
GRAYBURG 1,656'
SAN ANDRES 2,023'
GLORIETA 3,549'
YESO 3,660'
TUBB 5,009'

INCLINATION SURVEY DATA

MD (ft)	Inclination (deg)
976	0.75
1482	0.75
1988	1
2488	1
2993	1.25
3498	1
4039	1.25
4512	1.5
5081	1.75

CURRENT

12-1/4" HOLE

8-5/8" 24# J-55
CMT W/ 375 SX. CIRC.

455'

ORIGINAL YESO IP: 35 BOPD, 40 MCFPD, 270 BWPD
AFTER PAY-ADD IP: 14 BOPD, 17 MCFPD, 323 BWPD

7-7/8" HOLE

5-1/2" 17# J-55
CMT W/ 1,200 SX. CIRC.

UPPER YESO PERFS: 3,673-3,952' (44 HOLES)
-ACIDIZE W/ 3,360 GALS 15% NEFE
-FRAC W/ 181,000# 16/30 TG & 33,000# 16/30 SUPER LC SAND IN XL GEL

MIDDLE YESO PERFS: 4,008-4,381' (44 HOLES)
-ACIDIZE W/ 3,276 GALS 15% NEFE
-FRAC W/ 144,349# 16/30 TG & 45,639# 16/30 SUPER LC SAND IN XL GEL

MIDDLE YESO PERFS: 4,451-4,670' (40 HOLES)
-ACIDIZE W/ 5,011 GALS 15% NEFE
-FRAC W/ 2,000 16/30 OTTAWA & 8,208# 14/30 LITE PROP &
75,251# 16/30 OTTAWA & 20,487# 16/30 SIBER PROP SAND IN XL GEL

LOWER YESO PERFS: 4,714-4,989' (54 HOLES)
-ACIDIZE W/ 4,500 GALS 15% NEFE
-FRAC W/ 90,023# 16/30 OTTAWA & 47,051# 16/30 SUPER LC SAND IN XL GEL

5,081'

PBTD: 5,041'
TD: 5,097'

KDZ 01/26/2016

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