

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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

WELL API NO. 30-025-23828
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. COLE STATE <input checked="" type="checkbox"/>
7. Lease Name or Unit Agreement Name 14
8. Well Number
9. OGRID Number 258350
10. Pool name or Wildcat PENROSE SKELLY GRAYBURG San Andres

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 PERMIAN LLC

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

4. Well Location

Unit Letter F : 2310 feet from the NORTH line and 1650 feet from the WEST line
Section 16 Township 22S Range 37E NMPM LEA County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3396 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: ☐

SUBSEQUENT REPORT OF:

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

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.

PENROSE SKELLY GRAYBURG
POOL DOES NOT INCLUDE
SAN ANDRES

SEE ATTACHMENT

Spud Date:

Rig Release Date:

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

GNATURE Colleen Germany TITLE _____ AGENT _____ DATE 10-28-14

Type or print name Colleen Germany E-mail address: cgermany@oilreportsinc.com PHONE: 575-393-2727

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer

DATE _____

Conditions of Approval (if any):

Zone Temporarily Plugged (ZTP)

Enrique San Anderson SW

E-PERMITTING

P&A NR dx

P&A R _____

INT to P&A _____

CSNG _____

CHG Loc _____

TA _____

DEC 29 2014

VANGUARD PERMIAN LLC

COLE STATE #14

F Sec 16 T22S R37E API #30-025-23828

Cole State #14

6/9/14 – 6/25/14

MIRU PU and unhang well, pull out production equipment, make cleanout run with bit and scraper.

RU wireline and RIH with CBP, set CBP at 3770'. PU guns and perforate Penrose Skelly; Grayburg interval 3476' – 3480', 3526' – 3530', 3656' – 3662' with 2 spf, 120 phasing, RD wireline.

PU packer and RIH, set packer at 3411'.

Pump 2000 gals 15% NEFE with 28 ball sealers to break down perforations.

Make swab runs to recover spent acid, POOH with packer and 2-3/8" tubing.

PU and RIH with 3-1/2" frac string tubing and 1-1/2" packer. Set packer at 3402'.

Rigged up frac crew and frac'd with 110,300#'s 20/40 Brady sand and 40,480#'s of RC sand at 33.0 bbl/min.

Bleed off pressure, released packer and POOH with 3-1/2" frac string.

PU 2-3/8" tubing and sand bailer and RIH, tag sand at 3735' and start bailing. Bail to plug at 3710', POOH.

RIH with completion tubing, set TAC at 3269', SN at 3678' and EOT at 3710'. Run rods and pump.

Put well on production.

24 hr test: Penrose Skelly (50350) 1BOPD, 27 mcf



Cole State #14
P. Skelly/Graygurg/San Andres - 30-025-23828
Lea County, New Mexico
 COMPLETION - 6/2014

KB: 3407'
 GL: 3406'

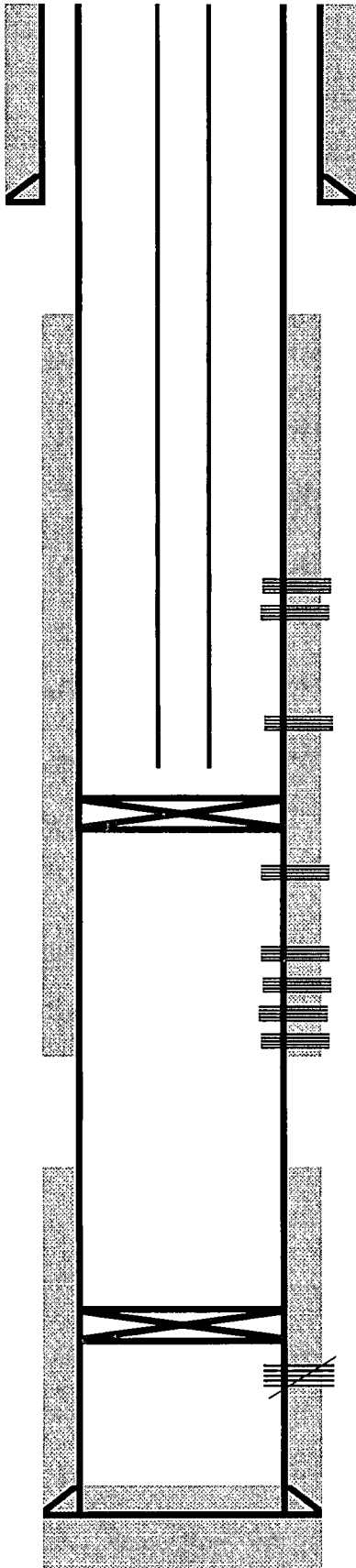
TOC @ surf
 400 sxs

8 5/8" csg @ 1156'

TOC @ 2210'
 1140 sxs

DV Tool @ 3905'

5 1/2" csg @ 7402'



CASING PROGRAM

<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>I.D.</u>	<u>Collapse</u>	<u>Burst</u>
1156'	8 5/8"	24#	K-55	8.097	1,370	2,950
7402'	5 1/2"	15.5#	K-55	4.950	4,040	4,810

PRODUCTION TUBING

<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Threads</u>
3710.00	2 7/8"	6.5#	J-55	EUE

Penrose Skelly Perforations 16 holes:
 3,476' - 3,480' (8 holes)
 3,526' - 3,530' (8 holes)

Grayburg Perforations 12 holes:
 3,656' - 3,662' (12 holes)

Intend to DHC w/ San Andres at a later date
CBP @ 3770'

San Andres Perforations 15 holes in 1995: Acidize
 3,806' - 3,838' (15 holes)

San Andres Perforations 12 holes in 2004: Acidize and frac
 3,865' - 3,869' (3 holes)
 3,905' - 3,909' (3 holes)
 3,969' - 3,971' (3 holes)
 3,988' - 3,990' (3 holes)

CIBP @ 7109'

Silurian Perforations: Squeezed in 1981 with 500 sxs cmt
 7,127' - 7,336'

PBTD = 7,109' FC

Note: This schematic is not to scale. For display purposes only.