

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

**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

|  |   |  |  |
|--|---|--|--|
| <b>NOTICE OF INTENTION TO:</b>                 |   | <b>SUBSEQUENT REPORT OF:</b>                     |  |
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/>           | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/>   | CHANGE PLANS <input type="checkbox"/>     | COMMENCE DRILLING OPNS. <input type="checkbox"/> | P AND A <input type="checkbox"/>         |
| PULL OR ALTER CASING <input type="checkbox"/>  | MULTIPLE COMPL <input type="checkbox"/>   | CASING/CEMENT JOB <input type="checkbox"/>       |  |
| DOWNHOLE COMMINGLE <input type="checkbox"/>    |   |  |  |
| CLOSED-LOOP SYSTEM <input type="checkbox"/>    |   |  |  |
| OTHER: <input type="checkbox"/>                |   | OTHER: RECOMPLETION <input type="checkbox"/>     |  |

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)

Enrice San Anderson SW

E-PERMITTING

P&A NR dx P&A R \_\_\_\_\_

INT to P&A \_\_\_\_\_

CSNG \_\_\_\_\_ CHG Loc \_\_\_\_\_

TA \_\_\_\_\_

DEC 29 2014

*[Handwritten mark]*

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 1/2" 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'

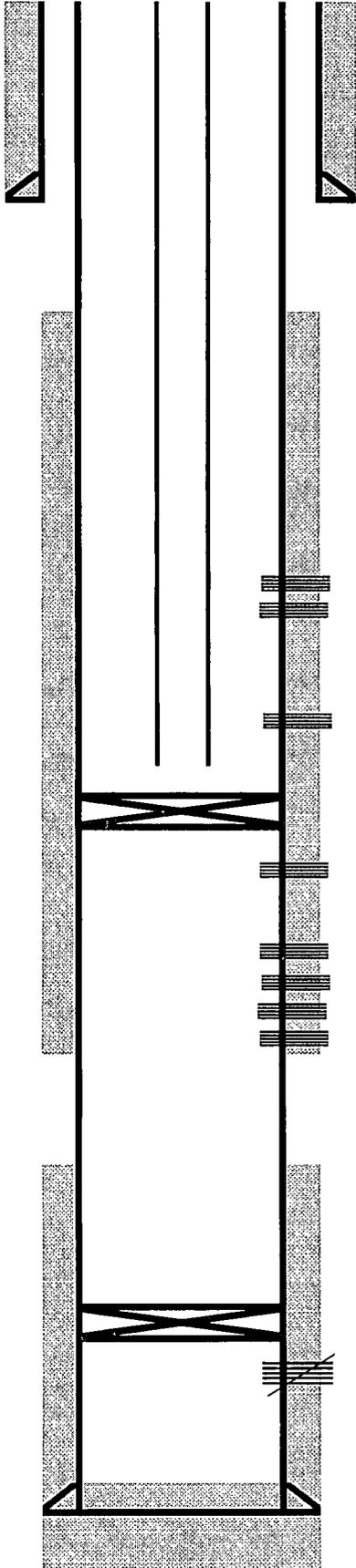
TOC @ surf  
 400 sxs

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'

PBTB = 7,109' FC

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