

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  
**HOBBS OCD**  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505  
JAN 28 2014

Form C-103  
Revised Ju 18. 2013

WELL API NO.  
30-025-22486

5. Indicate Type of Lease  
STATE ☒ FEE ☐  
6. State Oil & Gas Lease No.  
B-3480-1

7. Lease Name or Unit Agreement Name

COLE STATE

8. Well Number 12

9. OGRID Number  
258350

10. Pool name or Wildcat

SUNDRY NC

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  
P O BOX 1570 281 NORTH NM HIGHWAY 248, EUNICE NM 88231

4. Well Location

Unit Letter D : 990 feet from the NORTH line and 330 feet from the WEST line  
Section 16 Township 22S Range 37E NMPM LEA County

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

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: ☐

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.

SEE ATTACHMENT

**DENIED**

WRONG POOL  
PLAT NOT SIGNED  
575-393-6161 EXT. 104  
PKAUTZ@STATE.NM.US  
A. Kautz

Spud Date:

Rig Release Date:

JAN 29 2014

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

SIGNATURE Gaye Heard TITLE AGENT DATE 1-24-14

Type or print name GAYE HEARD E-mail address: gheard@oilreportsinc.com PHONE: 575-393-2727

**For State Use Only**

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

Conditions of Approval (if any):

JAN 29 2014

VANGUARD PERMIAN LLC

COLE STATE #12

API #30-025-22486 Sec 16 T22S R37E

Plan to perf Grayburg & Treat this well in the following way:

1. MIRU completion rig and test anchors.
2. Kill well with 2% KCL water, if necessary. Unseat pump and POOH w/ rods and pump.
3. ND WH and NU BOP. Release TAC and POOH w/ tubing.
4. PU, strap and TIH with 4-3/4" bit, 5-1/2" casing scrapper & 2-3/8" tubing. Clean out hole to ~3900' until clean returns, POOH and rack back 2-3/8" tubing.
5. MI wireline w/ packoff.
6. Set CBP @ ~3840'. Test CBP and casing to 2500 psi.
7. MU 3-1/8" slick casing guns set at 2 spf, 120° phasing (0.40" hole, 21" penetration).
8. Perforate as follows:
  - a. 3644' – 3652' (8', 2 spf, 16 shots)
  - b. 3666' – 3672' (6', 2 spf, 12 shots)
  - c. 3692' – 3700' (8', 2 spf, 16 shots)
  - d. 3725' – 3730' (5', 2 spf, 10 shots)
  - e. 3770' – 3784' (14', 2 spf, 28 shots) for a total of 82 shots
9. PU a 5-1/2" Arrowset packer and RIH with tubing to ~3784'. Test tubing going in the hole to 3500 psi.
10. MIRU pump truck (with 4500 gals 15% NEFE acid) and test lines to 3500 psi, pump acid.
  11. RU swabber and swab well in to test acid job. Recover load and report fluid/gas entry, if possible.
  12. Release packer and POOH with tubing, lay out packer.
  13. RIH w/ 5-1/2" TAC, SN and 2-3/8" tubing. Set SN at ~3700'.
  14. RIH w/ rods and pump.
  15. RD & MO.
  16. Turn well on to production and test.



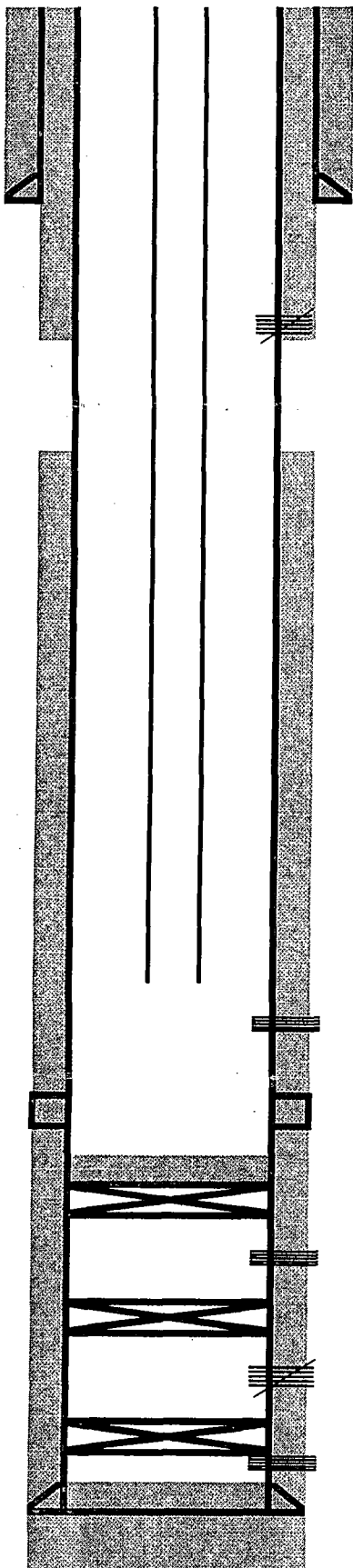
Cole State #12  
Eunice Southwest -San Andres - 30-025-22486  
Lea County, New Mexico  
CURRENT COMPLETION - 12/2013

KB: -  
GL: 3393'

TOC @ surf  
500 sxs

9 5/8" csg @ 1196

TOC @ 2350'  
855 sxs



**CASING PROGRAM**

Depth	Size	Weight	Grade	I.D.	Collapse	Burst
1196	9 5/8"	32.3#	H-40	9.001	1,400	2,270
7350	5 1/2"	15.5#&17#	K-55	4.892	4,910	5,320

**PRODUCTION TUBING**

Depth	Size	Weight	Grade	Threads
unknown	2-3/8"	4.7#	J-55	EUE

Squeeze perms @ 1250' - 1251'  
in 1999

San Andres Perforations:  
3,870' - 3,884'

DV Tool @ 4068'

CIBP @ 6640' - 35' of cmt on top

Abo  
6772' - 7011'

Mccormick - Squeezed in 1976  
7134' - 7260'

Montoya  
7307' - 7338'

PBTD = 6,605' FC

5 1/2" csg @ 7350

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



**Cole State #12**  
**Eunice Southwest -San Andres - 30-025-22486**

**Lea County, New Mexico**

PROPOSED COMPLETION - 1/2014

KB: -

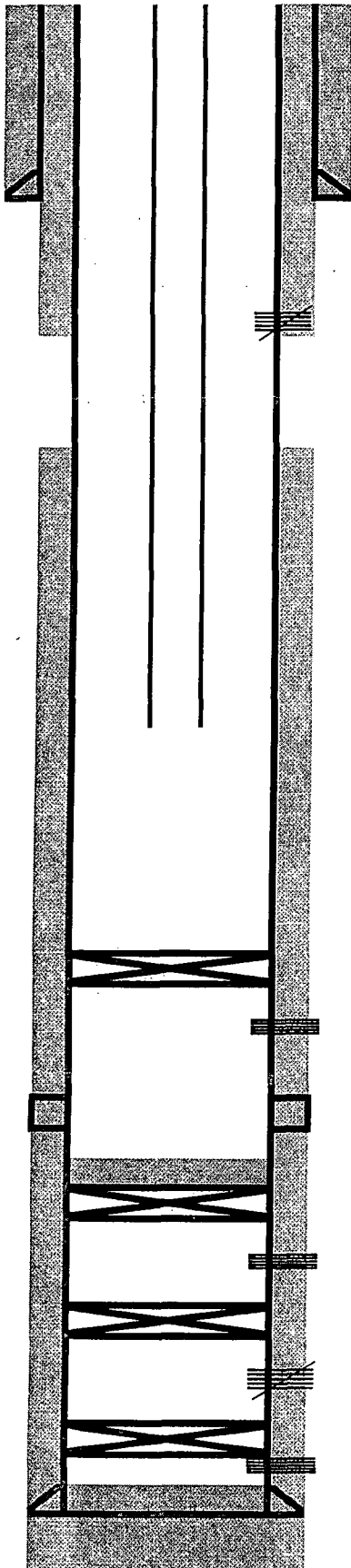
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TOC @ surf  
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Squeeze perms @ 1250' - 1251'  
in 1999

**Grayburg Perforations:**

3644' - 3652' (2spf, 16 shots)  
 3666' - 3672' (2 spf, 12 shots)  
 3692' - 3700' (2 spf, 16 shots)  
 3725' - 3730' (2 spf, 10 shots)  
 3770' - 3784' (2 spf, 28 shots) - 82 shots total

**CIBP @ 3840'**

**San Andres Perforations:**  
 3,870' - 3,884'

DV Tool @ 4068'

**CIBP @ 6640' - 35' of cmt on top**

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 6772' - 7011'

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 7307' - 7338'

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

RECEIVED WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-22486	<sup>2</sup> Pool Code 50350 23000	<sup>3</sup> Pool Name PEN ROSE 3 KELLY EUNICE SAN ANDRES GRAYBURG
<sup>4</sup> Property Code 013024	<sup>5</sup> Property Name COLE STATE	<sup>6</sup> Well Number 12
<sup>7</sup> OGRID No. 258350	<sup>8</sup> Operator Name VANGUARD PERMIAN LLC	<sup>9</sup> Elevation 3393

<sup>10</sup> Surface Location

UL or lot no. D	Section 16	Township 22S	Range 37E	Lot Idn	Feet from the 990	North/South line NORTH	Feet from the 330	East/West line WEST	County LEA
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<sup>16</sup>					<p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p>1-24-14</p> <p>Signature _____ Date _____</p> <p>GAYE HEARD</p> <p>Printed Name _____</p> <p><a href="mailto:gheard@oilreportsinc.com">gheard@oilreportsinc.com</a></p> <p>E-mail Address _____</p> <p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Date of Survey _____</p> <p>Signature and Seal of Professional Surveyor: _____</p> <p>Certificate Number _____</p>