

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

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

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

COLE STATE
8. Well Number 12
9. OGRID Number 258350
10. Pool name or Wildcat

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

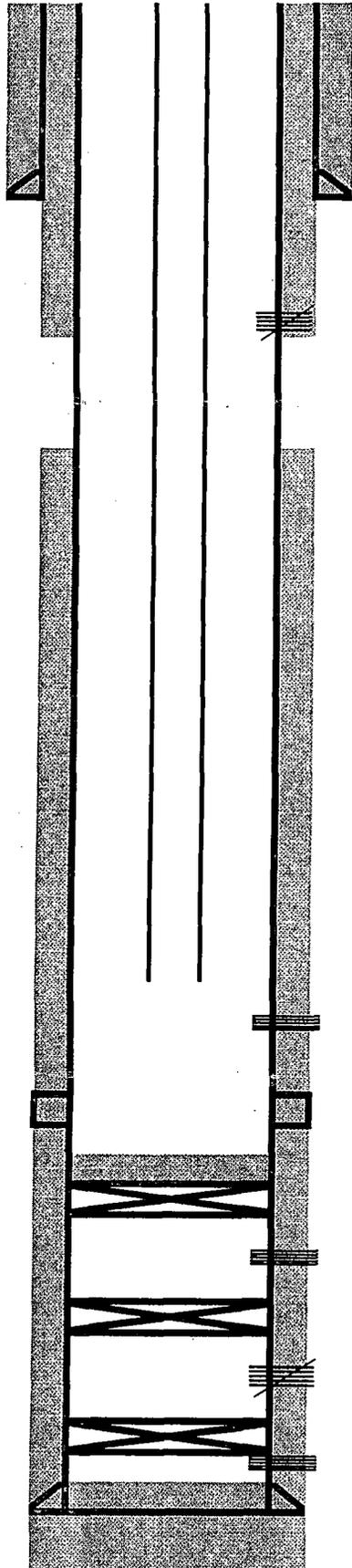
KB: -
 GL: 3393'

TOC @ surf
 500 sxs

9 5/8" csg @ 1196

TOC @ 2350'
 855 sxs

5 1/2" csg @ 7350



CASING PROGRAM

<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>I.D.</u>	<u>Collapse</u>	<u>Burst</u>
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

<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Threads</u>
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'

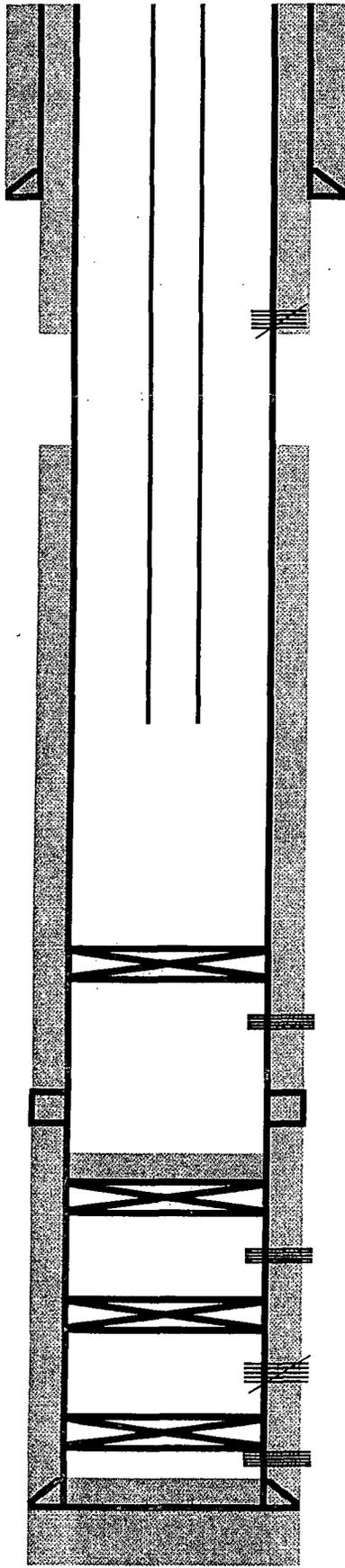
Mccormick - Squeezed in 1976
 7134' - 7260'

Montoya
 7307' - 7338'

PBTD = 6,605' FC

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

KB: -
 GL: 3393'
 TOC @ surf
 500 sxs



CASING PROGRAM

<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>I.D.</u>	<u>Collapse</u>	<u>Burst</u>
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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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McCormick - Squeezed in 1976
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5 1/2" csg @ 7350'

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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

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

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	16	22S	37E		990	NORTH	330	WEST	LEA

¹¹ 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

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

<p>¹⁶</p>	<p>¹⁷ OPERATOR CERTIFICATION 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.</p> <p style="text-align: right;">1-24-14 Date</p> <p>Signature _____ Date _____</p> <p>GAYE HEARD Printed Name</p> <p><u>gheard@oilreportsinc.com</u> E-mail Address</p>
	<p>¹⁸ SURVEYOR CERTIFICATION 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.</p> <p>Date of Survey _____ Signature and Seal of Professional Surveyor: _____</p>
	<p>Certificate Number _____</p>