

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)		WELL API NO. 30-025-24314
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> INJECTION		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator MORNINGSTAR OPERATING LLC		6. State Oil & Gas Lease No.
3. Address of Operator 400 W 7TH ST, FORT WORTH, TX 76102		7. Lease Name or Unit Agreement Name VACUUM GRAYBURG SAN ANDRES UNIT
4. Well Location Unit Letter <u>J</u> : <u>2630</u> feet from the <u>S</u> line and <u>1330</u> feet from the <u>E</u> line Section <u>02</u> Township <u>18S</u> Range <u>34E</u> NMPM County <u>LEA</u>		8. Well Number 031
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 330132
		10. Pool name or Wildcat VACUUM; GRAYBURG-SAN ANDRES

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

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

MorningStar Operating requests approval of the following P&A procedure:

- MIRU. Pull RBP from 823'.
- Run bit and scraper to 4043'. MIRU P&A rig.
- RU wireline. Run and set CIBP @ 4040'. Load hole. Run CBL to Surface.

Please note: as per the 6/2010 subsequent report of work and MIT, a casing inspection log was run in the well on 5/26/2010 and showed bad casing below 4050'. Approval was given to set the injection packer @ 4050'. The top of the Grayburg-San Andres formation is 4038'. The requested plan is to set the bottom CIBP @ 4040' where we are still in good casing, but also below the formation top.

- Plug 1: Spot 24 sx cmt from 3708'-4040'.
- Plug 2: Spot 44 sx cmt from 2639'-3257'
- Plug 3: Perf at 1729'. Place 49 sx cmt from 1529'-1729'.
- Plug 4: Perf at 410'. Place 108 sx cmt from surface-410'.
- Cut off wellhead. Verify cmt to surface on all strings. Install dry hole marker.

Spud Date:

Rig Release Date:

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

SIGNATURE Connie Blaylock TITLE Regulatory Analyst DATE 02/17/2025

Type or print name Connie Blaylock E-mail address: cblaylock@txoenergy.com PHONE: 817-334-7882

**For State Use Only**

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

Conditions of Approval (if any):

**VGSAU #31 Wellbore Diagram**

Created: 01/05/06 By: C. A. Irle  
 Updated: 06/09/22 By: JFR  
 Lease: Vacuum Grayburg San Andres Unit  
 Field: Vacuum Grayburg San Andres Unit  
 Surf. Loc.: 2,630' FSL & 1,330' FWL  
 Bot. Loc.:  
 County: Lea St.: NM  
 Status: Injection well

Well #: 31 St. Lse: 857948  
 API: 30-025-24314  
 Unit Ltr.: N Section: 1  
 TSHP/Rng: S-18 E-34  
 Unit Ltr.: Section:  
 TSHP/Rng:  
 Directions: Buckeye, NM

**Surface Casing**

Size: 8-5/8"  
 Wt., Grd.: 20#, X-40  
 Depth: 360'  
 Sxs Cmt: 210  
 Circulate: Yes  
 TOC: Surface  
 Hole Size: 12 1/4"

KB: 4,011  
 DF: 4,010  
 GL: 4,000  
 Ini. Spud: 12/6/1972  
 Ini. Comp.: 1/14/1973  
 Convert to Injector: 1/14/1973

**Production Casing**

Size: 4-1/2"  
 Wt., Grd.: 9.5#, J-55  
 Depth: 4,710'  
 Sxs Cmt: 650  
 Circulate: No  
 TOC: 2,610' - CBL  
 Hole Size: 7 7/8"

Csg sqz. between 45'-90'  
 Sqz'd twice w/ cmt (6/2021)

RBP @ 823' (set 6/4/2021)  
 w/ 200# sand on top

**Open Hole (Plugged back)**

Depth: 4,800' (1991)  
 Hole Size: 3 7/8"

**Perforations (1973, 1991):**

4376, 85, 88, 91,  
 4402, 10, 15, 23, 30, 44, 47, 50, 54,  
 4458, 62, 86, 90, 74, 83, 94,  
 4531, 43, 55, 58, 62, 66, 74, 80, 86,  
 4611, 15, 18, 30, 37, 40, 46, 49,  
 4658, 68, 84, 92  
 4705

Casing bad below 4050' based on  
 inspection log (2010), OCD approved  
 packer set depth of 4050'.

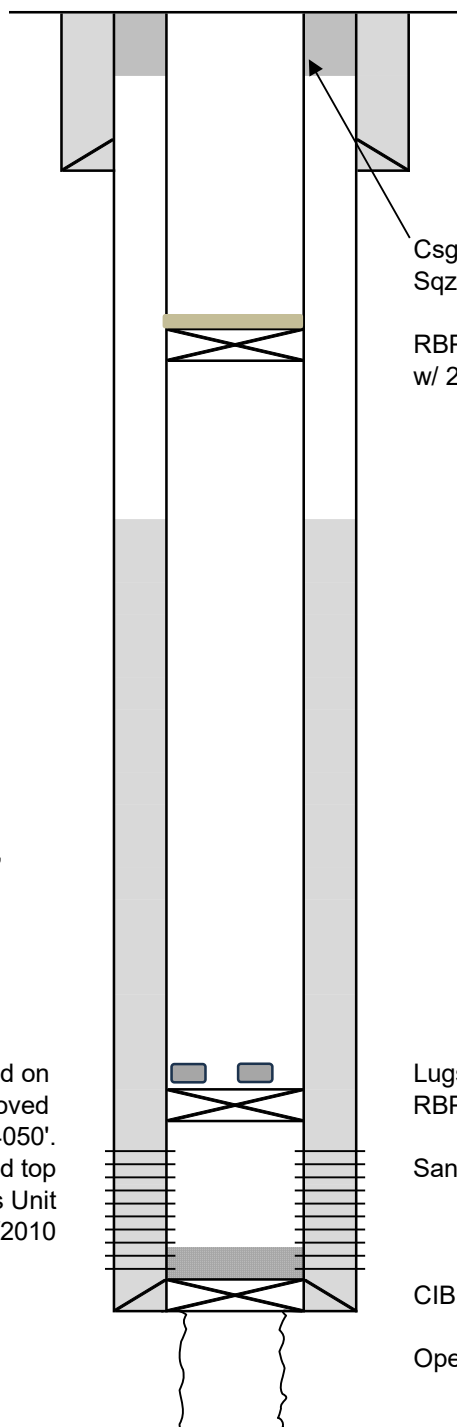
Packer still below top of unitized top  
 of Vacuum Grayburg San Andres Unit  
 Sub. report dated 6/2/2010

Lugs from test pkr fell on top  
 RBP @ 4043' (set 6/2/21)

San Andres Perfs: 4,376' - 4,705' (overall)

CIBP @ 4710' capped w/ 10' cmt (1997)

Open Hole: 4710' - 4800'



PBTD: 4,700  
 TD: 4,800'

**VGSAU #31 Wellbore Diagram - Proposed P&A**

Created: 01/05/06 By: C. A. Irle  
 Updated: 06/09/22 By: JFR  
 Lease: Vacuum Grayburg San Andres Unit  
 Field: Vacuum Grayburg San Andres Unit  
 Surf. Loc.: 2,630' FSL & 1,330' FWL  
 Bot. Loc.:  
 County: Lea St.: NM  
 Status: Injection well

Well #: 31 St. Lse: 857948  
 API: 30-025-24314  
 Unit Ltr.: N Section: 1  
 TSHP/Rng: S-18 E-34  
 Unit Ltr.: Section:  
 TSHP/Rng:  
 Directions: Buckeye, NM

KB: 11'

**Surface Casing** Csg sqz 45'-90'  
 Size: 8-5/8" (2021)  
 Wt., Grd.: 20#, X-40  
 Depth: 360'  
 Sxs Cmt: 210  
 Circulate: Yes  
 TOC: Surface  
 Hole Size: 12 1/4"

**Proposed Plug #4**  
 Circulate 108 sx from 0'-410'  
 Perf @ 410'  
 Test for circulation

**Production Casing**  
 Size: 4-1/2"  
 Wt., Grd.: 9.5#, J-55  
 Depth: 4,710'  
 Sxs Cmt: 650  
 Circulate: No  
 TOC: 2,610' - CBL  
 Hole Size: 7 7/8"

**Proposed Plug #3 (Rustler)**  
 Inside/outside: 49 sx from 1529'-1729'  
 Perf @ 1729'

**Open Hole (Plugged back)**  
 Depth: 4,800' (1991)  
 Hole Size: 3 7/8"

**Proposed Plug #2**  
 (Base Salt, Yates, Seven Rivers)  
 44 sx from 2639'-3257'

**Formation - Top**  
 Rustler - 1679'  
 Base of Salt - 2739'  
 Yates - 2851'  
 Seven Rivers - 3207'  
 Queen - 3808'  
 Grayburg-San Andres-4038'

**Proposed Plug #1**  
 (Queen, Grayburg-San Andres)  
 CIBP @ 4040'  
 Capped w/ 24 sx from 3708'-4040'

Casing bad below 4050' based on inspection log (2010), OCD approved packer set depth of 4050'.

Packer still below top of unitized top of Vacuum Grayburg San Andres Unit Sub. report dated 6/2/2010

Lugs from test pkr fell on top  
 RBP @ 4043' (set 6/2/21)

San Andres Perfs: 4,376' - 4,705' (overall)

CIBP @ 4710' capped w/ 10' cmt (1997)

Open Hole: 4710' - 4800'

PBTD: 4,700'  
 TD: 4,800'

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 432532

**CONDITIONS**

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 432532
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

**CONDITIONS**

Created By	Condition	Condition Date
mgebremichael	Please ensure that you adhere to the following conditions of approval: 1) Must run pipe inspection and pipe evaluation log to the surface - Submit to OCD permitting 2) Submit Cement Bond Logs (CBL) before the submittal of C-103P 3) Adhere to current Plug & Abandon (P&A) Conditions Of Approval (COA)	3/18/2025