

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

|                                                                                                                                                                                                                |  |                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|
| SUNDRY NOTICES AND REPORTS ON WELLS<br>(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.<br>30- 025-38628                                                                       |
| 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>                                                                                 |  | 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 2. Name of Operator<br>MORNINGSTAR OPERATING LLC                                                                                                                                                               |  | 6. State Oil & Gas Lease No.                                                                        |
| 3. Address of Operator<br>400 W 7TH ST, FORT WORTH, TX 76102                                                                                                                                                   |  | 7. Lease Name or Unit Agreement Name<br>VACUUM GRAYBURG SAN ANDRES UNIT                             |
| 4. Well Location<br>Unit Letter <u>I</u> : <u>2180</u> feet from the <u>S</u> line and <u>690</u> feet from the <u>E</u> line<br>Section <u>01</u> Township <u>18S</u> Range <u>34E</u> NMPM County <u>LEA</u> |  | 8. Well Number<br>228                                                                               |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3984 GL                                                                                                                                                  |  | 9. OGRID Number<br>330132                                                                           |
|                                                                                                                                                                                                                |  | 10. Pool name or Wildcat<br>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 checked="" 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: <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.

- Pull rods and tubing.
- Run bit and scraper to ~4900'.
- Run workstring and treating packer. Set packer ~4440'.
- Acidize existing perms from 4469' to 4862'.
- Pull packer and workstring.
- Run and set CIBP ~4435'.
- Run workstring and treating packer. Set packer ~4190'.
- Frac existing perms from 4222' to 4404'.
- Pull workstring and packer.
- Run bit, drillout CIBP and cleanout well to ~4900'.
- Run tubing and rods. RWTP on rod pump.

Run PWOT BHT

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 12/12/2023

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

**For State Use Only**

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 1/17/24  
 Conditions of Approval (if any):

## VGSAU #228 Wellbore Diagram

Created: 04/07/08 By: PTBP Well #: 228 St. Lse: 857948  
 Updated: 10/31/23 By: JFR API: 30-025-38628  
 Lease: Vacuum Grayburg San Andres Unit Unit Ltr.: C Section: 1  
 Field: Vacuum Grayburg San Andres Unit TSHP/Rng: S-18 E-34  
 Surf. Loc.: 2180' FSL & 690' FEL Unit Ltr.: Section:  
 Bot. Loc.: TSHP/Rng:  
 County: Lea St.: NM Directions: Buckeye, NM  
 Status: Oil well

## Surface Casing

Size: 11 3/4"  
 Wt., Grd.: 42# H40  
 Depth: 453'  
 Sxs Cmt: 830 sx  
 Circulate: Yes  
 TOC: Surface  
 Hole Size: 14 3/4"

8-5/8" DV Tool @ 1623'

## Intermediate Casing

Size: 8-5/8"  
 Wt., Grd.: 24# K55  
 Depth: 3189'  
 Sxs Cmt: 1st Stg: 600 sx  
 2nd Stg: 800 sx  
 Circulate: Yes  
 TOC: Surface  
 Hole Size: 11"

## Production Casing

Size: 5-1/2"  
 Wt., Grd.: 5# & 17#, K-55  
 Depth: 5000'  
 Sxs Cmt: 700 sx  
 Circulate: Did sqz  
 Squeeze Perf & circ 200 sx to sfc  
 TOC: Surface  
 Hole Size: 7 7/8"

## Perfs:

4222'-34', 4238'-46', 4274'-86', 4298'-4320',  
 4326'-32', 4344'-60', 4364'-70', 4375'-79',  
 4395'-404', 4469'-74', 4488'-94', 4496'-4502',  
 4506'-24', 4530'-34', 4546'-58', 4565'-67',  
 4576'-86', 4600'-08', 4616'-20', 4622'-25',  
 4632'-36', 4640'-44', 4648'-54', 4668'-75',  
 4678'-83', 4691'-94', 4700'-07', 4710'-12',  
 4718'-27', 4740'-55', 4758'-78', 4796'-4822',  
 4826'-38', 4842'-62'

PBTD: 4,916  
 TD: 5,010

KB: 4009.5'  
 DF: 4008.5'  
 GL: 3984'  
 Ini. Spud: 03/12/08  
 Ini. Comp.: 05/08/08

Perf @ 1350', sqz w/ 200 sx cmt, cirt to sfc

| Tubing              |                     |         |            |                  |            |          |            |           |            |            |
|---------------------|---------------------|---------|------------|------------------|------------|----------|------------|-----------|------------|------------|
| Tubing Description  |                     |         |            | Set Depth (ftKB) |            | Run Date |            | Pull Date |            |            |
| Tubing - Production |                     |         |            | 4860             |            | 8/2/2009 |            |           |            |            |
| Jts                 | Item Des            | OD (in) | Drift (in) | ID (in)          | Wt (lb/ft) | Grade    | Top Thread | Len (ft)  | Top (ftKB) | Btm (ftKB) |
| 128                 | Tubing              | 2 7/8   | 2.35       | 2.44             | 6.50       | J-55     | 8RD        | 4123.6    | 0          | 4124       |
| 1                   | Anchor/catcher      | 2 7/8   |            |                  |            |          | 8RD        | 3         | 4124       | 4127       |
| 21                  | Tubing              | 2 7/8   | 2.35       | 2.44             | 6.50       | J-55     | 8RD        | 672.1     | 4127       | 4799       |
| 1                   | BLAST JT            | 3 1/2   |            |                  |            |          | 8RD        | 33        | 4799       | 4832       |
| 1                   | Pump Seating Nipple | 2 7/8   |            |                  |            |          | 8RD        | 1.1       | 4832       | 4833       |
| 1                   | Perforated Joint    | 2 7/8   |            |                  |            |          | 8RD        | 4.1       | 4833       | 4837       |
| 1                   | MA                  | 3 1/2   |            |                  |            |          | 8RD        | 21.9      | 4837       | 4859       |
| 1                   | DUMPVALVE SAND SEP  | 1       |            |                  |            |          | 8RD        | 0.7       | 4859       | 4860       |

## Rod Strings

| Rod Description |     | Run Date |          | String Length (ft) |            | Set Depth (ftKB) |          |  |  |
|-----------------|-----|----------|----------|--------------------|------------|------------------|----------|--|--|
| LONG ROD        |     | 8/2/2009 |          | 4810               |            | 4860             |          |  |  |
| Item Des        | Jts | Make     | Model    | OD (in)            | Wt (lb/ft) | Grade            | Len (ft) |  |  |
| Polished Rod    | 1   | Norris   | Chromed  | 1 1/2              |            |                  | 26       |  |  |
| Pony Rod        | 1   |          |          | 1                  |            |                  | 2        |  |  |
| Sucker Rod      | 65  | Norris   | Grade 30 | 1                  | 2.90       | C                | 1625     |  |  |
| Sucker Rod      | 73  | Norris   | Grade 30 | 7/8                | 2.22       | C                | 1825     |  |  |
| Sucker Rod      | 42  | Norris   | Grade 30 | 7/8                | 2.22       | C                | 1050     |  |  |
| Sinker Bar      | 10  | Norris   |          | 1 1/2              | 6.01       |                  | 250      |  |  |
| Pony Rod        | 1   |          |          | 3/4                |            |                  | 2        |  |  |
| Rod Insert Pump | 1   |          |          | 3/4                |            |                  | 30       |  |  |

Perf interval: 4,222'-4,862' (overall)

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**District IV**  
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 293607

CONDITIONS

|                                                                                |                                               |
|--------------------------------------------------------------------------------|-----------------------------------------------|
| Operator:<br>MorningStar Operating LLC<br>400 W 7th St<br>Fort Worth, TX 76102 | OGRID:<br>330132                              |
|                                                                                | Action Number:<br>293607                      |
|                                                                                | Action Type:<br>[C-103] NOI Workover (C-103G) |

CONDITIONS

| Created By | Condition        | Condition Date |
|------------|------------------|----------------|
| kfortner   | Perform PWOT BHT | 1/17/2024      |