

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

|                                                                                                                                                                                                                 |  |                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|
| 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>30-025-36342                                                                        |
| 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>CENTRAL VACUUM UNIT                                         |
| 4. Well Location<br>Unit Letter <u>H</u> : <u>2050</u> feet from the <u>N</u> line and <u>1014</u> feet from the <u>E</u> line<br>Section <u>31</u> Township <u>17S</u> Range <u>35E</u> NMPM County <u>LEA</u> |  | 8. Well Number<br>163H                                                                              |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3985 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.

MorningStar Operating requests approval to pull the whipstock and clean out to TD in the original mainbore casing. No perfs exist in the mainbore. The proposal is to utilize this area as a natural sump for gas breakout and more efficient ESP lift.

The whipstock will be removed and the CIBP drilled out.

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 02/28/2023

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 3/8/23  
 Conditions of Approval (if any): 575-263-6633



**PROPOSED  
WELLSBORE DIAGRAM**

**Lease:** Central Vacuum Unit  
**Well No.:** 163H  
**Field:** Vacuum Grayburg San Andres  
**County:** Lea **St:** NM  
**Chevno** HL3455  
**API:** 30-025-36342  
**Current Status:** Active Oil Well  
**Directions to Wellsite:** Buckeye, New Mexico

**Sec:** 31

**TSHP/Range:** 17S-35E

**Surface Location:** 2050' FNL & 1014' FEL

**Surface Casing**

**Size:** 8 5/8"  
**Wt.:** 24#  
**Set @:** 1550'  
**Sxs cmt:** 745 sxs  
**Circ:** 14 sxs to surface  
**TOC:** Surface  
**Hole Size:** 12 1/4"

**Production Casing**

**Size:** 5 1/2"  
**Wt.:** 15.5#  
**Set @:** 4800'  
**Sxs Cmt:** 1030 sxs  
**Circ:** 180 sx to surface  
**TOC:** Surface  
**Hole Size:** 7 7/8"

**Vertical TD:** 4800'  
**Original PBTD:** 4755'  
**PBTD (CIBP):** 4403'

**Horizontal Information**

**Top of Horizontal Window:** 4390'  
**Bot of Horizontal Window:** 4397'  
**Lateral Open Hole:** 4390'-6391', Open Hole 4.75"  
**Horizontal Drilling Interval:** 4390'-6391', Open Hole  
**Horizontal TD:** 6391'  
**TMD:** 6391'  
**TVD:** 4680'  
**VS:** 1909'

**Perforations:**  
**Horizontal Open Hole** 4390'-6391'

TOW 4,390'

BOW 4,397'  
 CIBP @ 4403'

**Vertical TD: 4800'**

**KB:** 3978'  
**DF:** 3977'  
**GL:** 3985'  
**Original Spud Date:** 8/4/2003  
**Original Completion Date:** 8/13/2003  
**Horizontal Spud Date:** 11/5/2003  
**RDMO Drilling Rig:** 11/14/2003  
**Horizontal Completion Date:** 12/4/2003

**PROPOSED ESP**

|                      |                                                  |          |                  |               |            |            |
|----------------------|--------------------------------------------------|----------|------------------|---------------|------------|------------|
| Tubing               | 2-7/8" 6.5#                                      |          |                  |               | 4497.0 Ft  |            |
| Cable                | 450LBC SKV DD13 LD 8 GAL F                       | CLF      | #4               |               | 4700.0 Ft  |            |
| CABLE                | CENTRILINK 12 TAPE IN SPLHT 76144 PEEK           | MLE-PLHT | #5               |               | 150.0 Ft   |            |
| Bottom Hole Assembly |                                                  |          |                  |               |            |            |
| Item                 | Description                                      | OD       | Tubing Size      | Length        | Depth      |            |
| Discharge            | DISCHARGE 400P 2.87 X 8 EUE SS                   | 4.00 in  | 2 7/8            | 0.50 Ft       | 4497.54 Ft |            |
| Item                 | Description                                      | OD       | Type/Model       | # Stages      | Length     | Depth      |
| Pump                 | PMP 400PMS5D 71 FLEXER 400 H5 FER 416 HB 4.00 in | 4.00 in  | FlexER - SSD     | 71            | 13.00 Ft   | 4510.54 Ft |
| Pump                 | PMP 400PMS5D 134 FLEXER HP 1.3 H5 416SS 4.00 in  | 4.00 in  | FlexER - SSD     | 134           | 23.50 Ft   | 4534.04 Ft |
| Pump                 | PMP 400PMS5D 069 MUPER H6 FER 416SS H/B 4.00 in  | 4.00 in  | MUPERSSD - SS69  |               | 13.00 Ft   | 4547.04 Ft |
| Pump                 | PMP 400PMS5D 024 GINPSHL RECIRC HD 416S 4.00 in  | 4.00 in  | GINPSHL - SKD 24 |               | 10.00 Ft   | 4557.04 Ft |
| Item                 | Description                                      | OD       | Type             |               | Length     | Depth MD   |
| Intake               | INTAKE FPXARCINT FER H6                          | 4.00 in  | NA               |               | 0.96 Ft    | 4558.00 Ft |
| Item                 | Description                                      | OD       | Type             | Trust Bearing | Length     | DepthMD    |
| Seal                 | SEAL F583DB UT H6 NO_PNT 58/58 PFSA              | 4.00 in  | F583DB           | HL            | 6.23 Ft    | 4564.23 Ft |
| Seal                 | SEAL F583DB H6 FER SSCV 58/58 PFSA HL            | 4.00 in  | F583DB           | HL            | 6.23 Ft    | 4570.46 Ft |
| Item                 | Description                                      | OD       | Type             | HP/Volts/Amp  | Length     | Depth      |
| Motor                | MTR 450XP 5 CS 132/2910/29_12R FER TIPH          | 4.50 in  | 450XP            | 132/2910/29   | 17.10 Ft   | 4587.56 Ft |
| Item                 | Description                                      | OD       | Model            |               | Length     | Depth      |
| Sensor               | E7 MW 456 400 BAR 150C AFL                       | 4.56 in  | Zenith E7        |               | 2.60 Ft    | 4590.16 Ft |

**Horizontal TD**  
**6400'**

11/07/2003: TOW@ 4390', BOW@ 4397'

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**District IV**  
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CONDITIONS

Action 191555

CONDITIONS

|                                                                                |                                               |
|--------------------------------------------------------------------------------|-----------------------------------------------|
| Operator:<br>MorningStar Operating LLC<br>400 W 7th St<br>Fort Worth, TX 76102 | OGRID:<br>330132                              |
|                                                                                | Action Number:<br>191555                      |
|                                                                                | Action Type:<br>[C-103] NOI Workover (C-103G) |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| kfortner   | None      | 3/8/2023       |