

## Energy, Minerals and Natural Resources

Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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

WELL API NO.  
**30-015-23850**

5. Indicate Type of Lease  
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name  
**Vasquez**

8. Well Number **#1**

9. OGRID Number  
**229137**

10. Pool name or Wildcat  
**Malaga-Morrow Gas (80920)**

SUNDRY NOTICES AND 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 (Injection)

2. Name of Operator  
**COG Operating, LLC**

3. Address of Operator  
**2208 W. Main Street Artesia, NM 88210**

4. Well Location

Unit Letter **J** : **2310** feet from the **S** line and **1980** feet from the **E** line  
Section **11** Township **24S** Range **28E** NMPM County **Eddy**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**2984' GR**

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.

02/13/23 MIRU plugging equipment. RU laydown machine. ND flange, NU BOP. Pressured up on csg to 1050'. Pressure dropped to 950'. Pressured up on backside to 1000 psi. 02/14/23 Set 9 5/8 CIBP @ 2555'. Circ'd hole w/ MLF & salt gel. Pressure tested csg to 1000 psi, dropped to 900 psi. Spotted 25 sx class C cmt @ 2555-2470'. WOC. 02/15/23 RIH w/ wireline, Tagged @ 2485'. Perf'd @ 2400'. Pressured up on perfs. 02/16/23 Pressured up to 900 PSI. Perf'd @ 1500'. Tested tbq to 2200'. Pump'd Brine H2O & circulates @ 2400', comes out @ 1500' perfs. 02/17/23 RIH w/ cmt retainer to 2023'. Stung into cmt retainer. Sqz'd 265 sx class C cmt 150# 5 bags of tendeka swell from 2023' to 2485'. Released stinger. Spotted 35 sx class C cmt @ 2303-2198'. WOC. 02/20/23 Set packer & pressure tested csg, lost PSI. Dug out cellar & checked 13 3/8 valves. RU Renegade Wireline, ran CBL, top of cement inside 9 5/8 csg is 2028'. TOC behind 9 5/9 is 1710'. 02/21/22 Perf'd @ 1000'. Established injection rate. Set 9 5/8 CICR @ 1400'. Stung into CICR. Sqz'd 190 sx class C cmt below CICR. Spotted 15 sx class C cmt @ 1400-1360'. POH w/ stinger. 02/22/23 Ran CBL, TOC @ 1380'. 02/23/23 Perf'd @ 650'. Established inj rate & circ'd through perfs @ 1000-650'. Set CICR @ 900'. Stung into CICR & sqz'd 140 sx class C cmt w/ 150# Tandeka swell. Spotted 15 sx class C cmt @ 900-860'. Pressured up on csg to 100 PSI. 02/24/23 Pressure tested csg, held 500 psi. lost 200 psi in 5 minutes. RIH w/ CBL, Tagged @ 800'. Set pkr @ 496'. Est. inj rate to 500 psi, lost 200 psi. Pressured up to 1000.

Spud Date:

Rig Release Date:

Approved for plugging of well bore only. Liability under bond is retained pending Location cleanup & receipt of C-103Q (Subsequent Report of Well Plugging) which may be found at OCD Web Page, OCD Permitting @ [www.emnrd.state.nm.us](http://www.emnrd.state.nm.us)

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

SIGNATURE Ruth Shockency TITLE Regulatory Coordinator DATE 3/9/2023

Type or print name Ruth Shockency E-mail address: ruth.shockency@conocophillips.com PHONE: 575-703-8321  
For State Use Only

APPROVED BY: [Signature] TITLE Staff Manager DATE 3/10/23  
Conditions of Approval (if any):

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-105  
Revised July 18, 2013

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5. Indicate Type of Lease

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**Vasquez**

8. Well Number **#1**

9. OGRID Number  
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COMMENCE DRILLING OPNS. ☐ P AND A ☒  
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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.

02/27/23 RIH w/ 9 5/8 magnet tool to 800'. Spotted 160 sx class C cmt @ 800-350'. POH w/ sleeve. Pressured up on csg to 1500 PSI. 02/28/23 Tagged TOC @ 341'. Dug out cellar, removed 13 3/8" csg valve. 03/01/23 Spotted 120 sx class C cmt w/ 2 bas CACL from 341' to surface. Pressured up to 1000 PSI. ND BOP, rigged down & moved off. 03/03/23 Moved in backhoe and welder. Cut off well head & anchors. David Alvarado w/ OCD verified cmt @ surface via picture text message. Welded on "Under Ground Dry Hole Marker". Backfilled cellar, cut off deadmen, cleaned location, and moved off.

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 Ruth Shockency TITLE Regulatory Coordinator DATE 3/9/2023

Type or print name Ruth Shockency E-mail address: ruth.shockency@conocophillips.com PHONE: 575-703-8321  
**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
Conditions of Approval (if any): \_\_\_\_\_



**Vasquez #1**  
Malaga Atoka/Morrow  
Eddy County

Sec. 11, T24S, R28E

|      |       |       |       |            |
|------|-------|-------|-------|------------|
| SHL: | 2310' | FSL & | 1980' | FEL        |
| BHL: | 2310' | FSL & | 1980' | FEL (est.) |

Sec. 11, T24S, R28E

|       |        |
|-------|--------|
| GL:   | 2,984' |
| KB:   | 2,997' |
| ZERO: | 13'    |

HOLE SIZE

MW (ppg)

BHST (F)

## Evaluation

This technical drawing is a vertical section of a building. It features a central vertical shaft containing a staircase with alternating dark and light horizontal steps. The shaft is flanked by two vertical walls with a stippled texture. Below the staircase, the shaft continues as a large, open vertical space. At the bottom, there are two small, dark, rectangular structures on either side of the central shaft. The drawing uses black lines for structural elements and stippling for shading.

4. Perf'd @ 650'. Established inj rate & circ'd through perfs @ 1000-650'. Set CICR @ 900'. Stung into CICR & sqz'd 140 sx class C cmt w/ 150# Tandeka swell. Spotted 15 sx class C cmt @ 900-860'. WOC & , Tagged @ 800'. Spotted 160 sx class C cmt @ 800-350'. WOC & Tagged TOC @ 341'. Spotted 120 sx class C cmt w/ 2 bags CACL from 341' to surface.

3. Set 9 5/8 CICR @ 1400'. Stung into CICR. Sqz'd 190 sx class C cmt below CICR. Spotted 15 sx class C cmt @ 1400-1360'. WOC & TOC @ 1380'

2. Perf'd @ 2400'. Pressured up on perfs. RIH w/ cmt retainer to 2023'. Stung into cmt retainer. Sqz'd 265 sx class C cmt 150# 5 bags of tendeka swell from 2023' to 2485'. Released stinger. Spotted 35 sx class C cmt @ 2303-2198'. WOC & Tagged @ 2028'

1. Set 9 5/8 CIBP @ 2555'. Circ'd hole w/ MLF & salt gel. Pressure tested csg to 1000 psi, dropped to 900 psi. Spotted 25 sx class C cmt @ 2555-2470'. WOC & Tagged @ 2485'.

|                |       |
|----------------|-------|
| Del Sand       | 2640  |
| Bone Springs   | 6300  |
| 1st B Sp       | 7243  |
| 3rd B Sp       | 9128  |
| Wolfcamp       | 9505  |
| Strawn         | 11468 |
| Atoka          | 11691 |
| Lower Atoka    | 11857 |
| Morrow Lime    | 12252 |
| Morrow Clastic | 12440 |

|                     |         |           |
|---------------------|---------|-----------|
| Intermediate Casing | @       | 2596'     |
| 13.375"             | 54.5/61 | J-55      |
| Circulated          | 0       | sx cement |
| Temp Survey TOC     | 700'    |           |

**Intermediate 2 DV Tool Info:**

|           |       |               |
|-----------|-------|---------------|
| DV Tool @ | 7340' |               |
| stg 1:    | 100   | sx circulated |
| stg 2:    | 85    | sx circulated |

|                              |          |              |
|------------------------------|----------|--------------|
| <b>Intermediate 2 Casing</b> | <b>@</b> | <b>9906'</b> |
| 9.625"                       | 43.5/47  | N-80/S-95    |
| Circulated                   | 220      | sx cement    |

|                           |          |                |      |  |
|---------------------------|----------|----------------|------|--|
| <b>Intermediate Liner</b> | <b>@</b> | <b>12,137'</b> |      |  |
| 7.625"                    | 39 ppf   | P-110          | FL4S |  |
| Liner Hanger              | 9452'    |                |      |  |
| Circulated full returns   |          |                |      |  |

|                         |          |                |      |
|-------------------------|----------|----------------|------|
| <b>Production Liner</b> | <b>@</b> | <b>12,898'</b> |      |
| 5" 18 ppf               |          | N-80           | FL4S |
| FC (PBTD)               | 12,811'  |                |      |
| Liner Hanger            | 11,853'  |                |      |
| Circulated              | 180      | sx cement      |      |

|           |                                      |
|-----------|--------------------------------------|
| 2/18/1982 | Perf Atoka 11,758' - 11,805'         |
| 8/24/2006 | Perf Upper Morrow 12,342' - 12,468'  |
| 8/10/2006 | Perf Middle Morrow 12,586' - 12,644' |
| 5/13/2006 | Perf Lower Morrow 12,718' - 12,738'  |

|            |           |
|------------|-----------|
| Updated by | N. Jancha |
| Date:      | 3/6/2023  |

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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
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CONDITIONS

Action 195367

CONDITIONS

|   |  |
|---|--|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137                               |
|   | Action Number:<br>195367                       |
|   | Action Type:<br>[C-103] Sub. Plugging (C-103P) |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| gcordero   | None      | 3/10/2023      |