

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTDEC 26 2007
OCD-ARTESIAFORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1 Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2 Name of Operator
COG Operating LLC3a Address
550 W. Texas Ave., Suite 1300 Midland, TX 797013b. Phone No. (include area code)
432-685-43324 Location of Well (Footage, Sec., T., R., M., or Survey Description)
330 FSL & 2310' FEL, SEC. 9, T17S, R30E, Unit O

5 Lease Serial No.

LC-029342B

6 If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No

8. Well Name and No.

POLARIS B FEDERAL #12

9. API Well No.

30-015-35397

10 Field and Pool, or Exploratory Area

LOCO HILLS; GLORIETA YESO

11 County or Parish, State

EDDY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|--|---|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | Completion |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

- 13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

11/06/07 Perf w/ 2 SPF @ 5564 - 5765. 48 holes. Acidize w/ 5000 gals acid.

11/12/07 Frac perfs w/ 89,794# 16/30 sand.

Perf w/ 2 SPF @ 5285 - 5485. 36 holes. Acidize w/ 5000 gals acid.

Frac perfs w/88,511# 16/30 sand.

Perf w/ 2 SPF @ 4995 - 5195. 36 holes. Acidize w/ 5000 gals acid.

Frac perfs w/ 96,597# 16/30 sand.

11/16/07 RIH w/ 178 joints 2-7/8" J55 tbg, SN @ 5778'. RIH w/ 2-1/2" x 2" x 20' RHTC pump.

11/17/07 Hang well on.

- 14 I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Kania Carrillo

Title Regulatory Analyst

Signature

Date

12/21/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

DISTRICT I

1826 N. FRENCH DR., BOHRS, NM 88240

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505DEC 26 2007
OCD-ARTESIARevised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III

1000 Rio Brazos Rd., Artes, NM 87419

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

| | | |
|---------------------------|-------------------------------------|--|
| API Number 30-15-35397 | Pool Code 96718 | Pool Name Loco Hills; Glorieta-Yeso |
| Property Code 302547 | Property Name POLARIS B FEDERAL | Well Number 12 |
| OGRID No. 229137 | Operator Name COG OPERATING, LLC | Elevation 3677' |

Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 0 | 9 | 17-S | 30-E | | 330 | SOUTH | 2310 | EAST | EDDY |

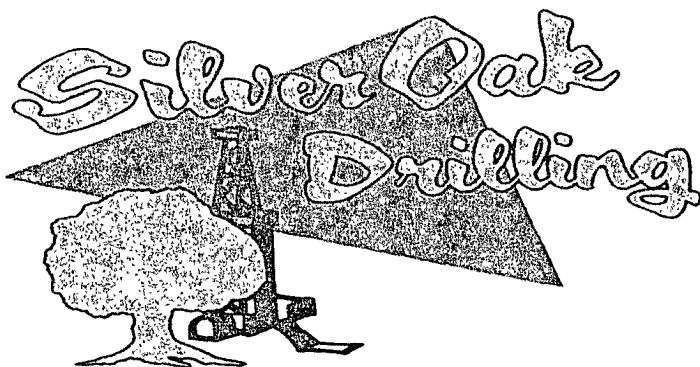
Bottom Hole Location If Different From Surface

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

| | | | |
|-----------------------|-----------------|--------------------|-----------|
| Dedicated Acres 40 | Joint or Infill | Consolidation Code | Order No. |
|-----------------------|-----------------|--------------------|-----------|

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>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=670427.4 N X=609939.8 E</p> <p>LAT.=32.842578° N LONG.=103.975372° W</p> <p>DETAIL</p> <p>3684.6' 3688.0' 600' 3678.9' 3678.5' 600'</p> <p>SEE DETAIL</p> <p>330'</p> <p>2310'</p> | <p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Jerry W. Sherrell</i> 12/15/06 Signature Date</p> <p>Jerry W. Sherrell Printed Name</p> |
| | <p>SURVEYOR CERTIFICATION</p> <p>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>NOVEMBER 20, 2006</p> <p>Date Surveyed LA</p> <p>Signature & Seal of Professional Surveyor</p> <p><i>Gary A. Edmon</i> 12/07/06 06.11.1801</p> <p>Certificate No. GARY EDSON 12041</p> |



DEC 26 2007

OCD-ARTESIA

PO Box 1370
Artesia, NM 88211-1370
(505) 748-1288

October 12, 2007

COG, LLC
Fasken Center, Tower II
550 West Texas Ave, Suite 1300
Midland, TX 79701

RE: Polaris B Federal #12
2310' FNL & 330' FEL
Sec. 21, T17S, R29E
Eddy County, New Mexico

Dear Sir,

The following is the Deviation Survey for the above captioned well.

| <u>DEPTH</u> | <u>DEVIATION</u> | <u>DEPTH</u> | <u>DEVIATION</u> |
|--------------|------------------|--------------|------------------|
| 234.00 | 0.25 | 2933.00 | 0.75 |
| 523.00 | 0.75 | 3223.00 | 0.50 |
| 830.00 | 0.25 | 3541.00 | 0.75 |
| 1084.00 | 1.75 | 3859.00 | 1.00 |
| 1242.00 | 1.00 | 4159.00 | 0.25 |
| 1507.00 | 0.75 | 4431.00 | 1.00 |
| 1793.00 | 0.50 | 4812.00 | 1.00 |
| 2080.00 | 1.00 | 5098.00 | 1.00 |
| 2365.00 | 0.50 | 5552.00 | 0.25 |
| 2652.00 | 1.00 | | |

Very truly yours,

Eddie LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 26th day of July, 2007.

Notary Public