

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTMonth-Year
MAR - 7 2007
OCD - Artesia, NMFORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

OCD COPY

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)
432-685-4340

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

430' FSL & 330' FWL,
Section 14, T-17S, R-30E, Unit M

5. Lease Serial No.

LC-055259

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

MOHAWK FEDERAL #4

9. API Well No.

30-015-34966

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 Completion
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 recomplete 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 recompletion 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.)

1-29-07 Perf Yeso w/ 2 SPF @ 5767.5' - 6024.5'. 78 holes.

1-30-07 Acidize w/ 2500 gals acid.

1-31-07 Frac w/ 40,824 gals 30# gel, 58,134 gals 40# gel, 8000# LiteProp, & 84,745# 16/30 sand.

2-01-07 Perf Yeso w/ 2 SPF @ 5338' - 5679'. 78 holes. Acidize w/ 2500 gals acid.

2-03-07 Frac w/ 32,500 gals 30# gel, 58,170 gals 40# gel, 8000# LiteProp, & 91,480# 16/30 sand.

2-05-07 RIH w/ 189 jts 2-7/8" J55 tbg, SN @ 6049'. RIH w/ 2-1/2" x 2" x 20' pump. Turn to production.

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

Phyllis Edwards

Title Regulatory Analyst

Signature

Date

02/20/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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.

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)

State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II

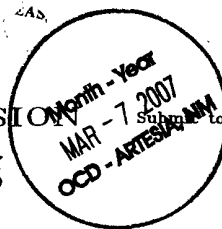
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

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

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102

Revised October 12, 2005

Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-34966		Pool Code 96718	Pool Name LOCO HILLS: GLORIETA YESO
Property Code 302531	Property Name MOUNTAIN FEDERAL		Well Number 4
OGRID No. 229137	Operator Name COG Operating LLC		Elevation 3687'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	14	17-S	30-E		430	SOUTH	330	WEST	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	Joint or Infill	Consolidation Code	Order No.
40			

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>SEE DETAIL 330' 430'</p>	<p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=665262.7 N X=617872.9 E</p> <p>LAT.=32°49'41.90" N LONG.=103°56'58.57" W</p>	<p>DETAIL</p> <p>3696.8' 3692.9' 600' 600' 3678.9' 3684.0'</p>	OPERATOR CERTIFICATION <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> Signature Date 4/14/06</p> <p>Jerry W. Sherrell Printed Name</p>
			SURVEYOR CERTIFICATION <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>MARCH 10, 2006</p> <p>Date Surveyed MR</p> <p>Signature & Seal of Professional Surveyor</p> <p> 06.11.04845</p> <p>Certificate No. GARY EDSON 12841</p>

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised June 10, 2003

Month - Year
MAR - 7 2007
OCD - ARTESIA, NM

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address COG Operating LLC 550 W. Texas Avenue, Suite 1300 Midland, TX 79701		² OGRID Number 229137
		³ Reason for Filing Code/ Effective Date NW effec 2 / 5 / 2007
⁴ API Number 30 - 015 - 34966	⁵ Pool Name Loco Hills Glorieta Yeso	⁶ Pool Code 96718
⁷ Property Code 302531	⁸ Property Name Mohawk Federal	⁹ Well Number 004

II. ¹⁰ Surface Location

UL or lot no. M	Section 14	Township 17S	Range 30E	Lot.Idn	Feet from the 430	North/South Line South	Feet from the 330	East/West line West	County Eddy
--------------------	---------------	-----------------	--------------	---------	----------------------	------------------------------	----------------------	------------------------	----------------

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 2 / 5 / 07	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
15694	Navajo Refining Co. Pipeline Division P O Box 159 Artesia, NM 88211-0159	2823871	O	Unit M, Section 14, T17S, R30E
009171	Duke Energy Field Serv LP 4001 Penbrook Odessa, TX 79762	2823872	G	Unit M, Section 14, T17S, R30E

IV. Produced Water

²³ POD 2823873	²⁴ POD ULSTR Location and Description Unit M, Section 14, T17S, R30E
------------------------------	--

V. Well Completion Data

²⁵ Spud Date 12-23-2006	²⁶ Ready Date 2-5--2007	²⁷ TD 6170	²⁸ PBTD 6151	²⁹ Perforations 5338' - 6024.5'	³⁰ DHC, MC
³¹ Hole Size	³² Casing & Tubing Size	³³ Depth Set	³⁴ Sacks Cement		
17 1/2	13 3/8	415	448 sx		
12-1/4	8 5/8	1420	1180 sx		
7 7/8	5 1/2	6165	1270 sx		
	2-7/8" tbg	6049'			

VI. Well Test Data

³⁵ Date New Oil 2/ 9 /07	³⁶ Gas Delivery Date 2/ 9 /07	³⁷ Test Date 02/ 11 /2007	³⁸ Test Length 24 hrs	³⁹ Tbg. Pressure	⁴⁰ Csg. Pressure
⁴¹ Choke Size	⁴² Oil 39	⁴³ Water 317	⁴⁴ Gas 48	⁴⁵ AOF	⁴⁶ Test Method P

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Phyllis Edwards*

Printed name:
Phyllis Edwards

Title:
Regulatory Analyst

E-mail Address:
pedwards@conchoresources.com

Date: 2/20/2007 Phone: 432-685-4340

OIL CONSERVATION DIVISION

Approved by: **BRYAN G. ARANT**
DISTRICT II GEOLOGIST

Approval Date: **MAR 07 2007**