

UNITED STATES OF AMERICA
OCD-HOBBS
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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 ☐ Other

2. Name of Operator
COG Operating LLC

3a. Address
550 W. Texas Ave., Suite 1300 Midland, TX 79701

3b. Phone No. (include area code)
432-685-4340

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

**600' FNL & 600' FWL
SEC. 4, T18S, R32E, UNIT D**

5. Lease Serial No.

LC-063345

6. If Indian, Allottee or Tribe Name

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

NM 71009A

8. Well Name and No.

PEARSALL QUEEN SAND UNIT #5

9. API Well No.

30-025-00837

10. Field and Pool, or Exploratory Area

PEARSALL QUEEN

11. County or Parish, State

LEA, 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 <u>method of water</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>disposal</u>
	<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.)

Producing Formation: Pearsall Queen

Amount Produced: 15 BWPD

Water stored in 500 bbl Water Tank

Water is transported by 4" SDR 11 Polypipe to:

Operator: COG Operating LLC

Facility Name: Pronghorn SWD

Well Location: NE/4 NW/4 Sec 24, T19S, R32E, Unit B

330 FNL & 1650 FEL

Lea Co., NM

RECEIVED

MAR 25 2008

HOBBS OCD

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

Diane Kuykendall

Title **Regulatory Analyst**

Signature

Date

04/10/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

OC DISTRICT SUPERVISOR/GENERAL MANAGER

Title

Date **MAR 23 2008**

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

MAR 26 2008

JAMES A. AMOS

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)



Water Analysis Report

Company:	COG Operating LLC	Sample #:	9433
Area:	Artesia	Analysis ID #:	709
Lease:	PEARSALL QN		
Location:	Battery		0
Sample Point:	Wellhead		

		Anions		Cations	
		mg/l	meq/l	mg/l	meq/l
Sampling Date:	2/4/08	Chloride:	108319.0	Sodium:	56253.5
Analysis Date:	2/8/08	Bicarbonate:	232.2	Magnesium:	5002.0
Analyst:	Mitchell Labs	Carbonate:		Calcium:	4936.6
TDS (mg/l or g/m3):	176948.5	Sulfate:	2200.0	Strontium:	
Density (g/cm3):	1.123			Barium:	
Hydrogen Sulfide:				Iron:	0.7
Carbon Dioxide:				Manganese:	4.490
Comments:		pH at time of sampling:	6.7		
		pH at time of analysis:			
		pH used in Calculation:	6.7		
		Temperature @ lab conditions (F):	75	Conductivity (micro-ohms/cm):	145500
				Resistivity (ohm meter):	.0687

Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl

Temp		Calcite CaCO ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄	
°F		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount
80		0.46	11.81	-0.03	0.00	-0.02	0.00	0.00	0.00	0.00	0.00
100		0.54	14.47	-0.10	0.00	-0.02	0.00	0.00	0.00	0.00	0.00
120		0.62	17.42	-0.15	0.00	0.01	15.65	0.00	0.00	0.00	0.00
140		0.69	20.37	-0.19	0.00	0.06	103.64	0.00	0.00	0.00	0.00