OCD-HOBBS

MAY 22 2008

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OM B No. 1004-0137 Expires: March 31, 2007

5. Lease Serial No.

	SUNDRY NOTICES	S AND REPORTS (r proposals to drill or orm 3160-3 (APD) for	ON WELLS
	not use this form to	r proposals to drill or	r to re-enter an
ab	andoned well. Use Fo	rm 3160 - 3 (APD) for	such proposals.

adda Sundry	NMLC-029405B					
Do noi use abandoned w	his form for proposals rell. Use Form 3160 - 3	to drill or to re- (APD) for such pr	enter an oposals.	6. If Indian	, Allottee or Tribe Name	_
SUBMIT IN TR	IPLICATE- Other ins	tructions on reve	rse side.	7. If Unit or	CA/Agreement, Name and/or No.	_
1. Type of Well ✓ Oil Well □ □	☐ Gas Well □ ☐ Other		i	8. Well Nar	me and No.	_
2. Name of Operator COG Opera	ting LLC /			GC Fed	leral #5 /	
	ung LLC			9. API We	il No.	_
3a. Address		3b. Phone No. (include	e area code)		30-025-36999	
550 W. Texas Ave., Suite 1300	Midland, TX 79701	432-685-4340		10. Field and	Pool, or Exploratory Area	_,
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description)				Maljamar: Yeso, West 44500	_
2210' FSL & 330' FWL	/		[11. County of	or Parish, State	_
SEC. 19, T17S, R32E, Unit L					LEA, NM	
12. CHECK AI	PPROPRIATE BOX(ES) TO	D INDICATE NATUR	E OF NOTICE, RE	PORT, OR	OTHER-DATA	
TYPE OF SUBMISSION		TYI	PE OF ACTION			-
Notice of Intent ✓ Subsequent Report	Acidize Alter Casing Casing Repair Change Plans	Deepen Fracture Treat New Construction	Production (Star Reclamation Recomplete	,	Water Shut-Off Well Integrity Other method of water	<u>-</u>
Final Abandonment Notice	Convert to Injection	Plug and Abandon Plug Back	Temporarily Aba Water Disposal	ukiUII	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.)

Producing Formation: Maljamar; Yeso West Amout Produced: 37 BWPD Water stored in 500 bbl Water Tank

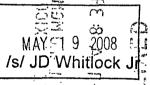
Water is transported by 3" SDR 11 Polypipe to COG's 6" trunk line, then into the 8" line to:

COG Operating LLC

Facility Name: Pronghorn SWD 1 (API # 30-025-32735) Well Location: NE/4 NW/4 Sec 24, T19S, R32E, Unit B

330 FNL & 1650 FEL Lea Co., NM

ACCEPTED FOR RECORD



BUREAU OF LAND MANAGEMENT CARLSBAD FIELD-OFFICE.

			a an grand from the					
 I hereby certify that the foregoing is true and correct Name (Printed/Typed) 	1							
Diane Kuykendall	Title	Regulatory Analyst						
Signature	Date	04/01/2008						
THIS SPACE FOR FEDERAL OR STATE OFFICE USE								
Approved by Mis William		Title	Date					
Conditions of approval, if any, are attached. Approval of this notice does not we certify that the applicant holds legal or equitable title to those rights in the subjective which would entitle the applicant to conduct operations thereon.	4 1	Office						
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for States any false, fictitious or fraudulent statements or representations as to any m	r any person natter within	knowingly and willfully to make to a	ny department or agency of the United					

(Instructions on page 2)



Water Analysis Report

Company:

COG Operating LLC

Sample #:

7004

Агеа:

Artesia

Analysis ID #:

237

Lease:

GC FEDERAL

Location:

5

3002536999

Sample Point:

Wellhead

Sampling Date:	3/6/07	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	3/9/07	Chloride:	108319.0	3055.28	Sodjum:	67139.1	2920.39
Analyst:	Mitchell Labs	Bicarbonate:	457.0	7.49	Magnesium:	790.1	65.
TDS (mg/l or g/m3): Density (g/cm3):	182225 1.127	Carbonate: Sulfate:	2800.0	58.3	Calcium: Strontium: Barlum:	2718.0	135.63
					iron:	1.5	0.05
Hydrogen Sulfide:	180				Manganese:	0.260	0.01
Carbon Dioxide:	40						
Comments:		pH at time of sampl	ling:	6. 5			
		pH at time of analys	sis				
	pH used in Calculation:		ation:	6.5			0.5.50
		Temperature @ lai	b conditions (F):	78	Conductivity (mid Resistivity (ohm		215400 .0464

Calcite Temp CaCO ₃		Gypsum CaSO ₄ *2H ₂ 0		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		
°F	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount
80	0.37	22.04	-0.18	0.00	-0.14	0.00	0 00	0.00	0.00	0.00
100	0.45	27.62	-0.24	0.00	-0.15	0.00	0.00	0.00	0.00	0.00
120	0.53	33.20	-0,30	0 00	-0.14	0.00	0.00	0.00	0.00	0.00
140	0.61	39.37	-0.36	0 00	-0.10	0.00	0.00	0.00	0.00	0.00