Form 3160-4 (April 2004)

## UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED

12. Type of Veril	BUREAU OF LAND MANAGEMENT											OMBNO. 1004-0137 Expires: March 31, 2007				
1.   1.   1.   1.   1.   1.   1.   1.	WELL COMPLETION OR RECOMPLETION REPORT AND LOG										ļ-	5. Lease Serial No.				
2. Name of Operator COG Operating LLC   2. Name of Operator COG Operating LLC   3. Address \$59 W. Texas, \$1.200	Ia. Type of Well Oil Well Gas Well Dry Other											6. If Indian, Allottee or Tribe Name				
2. Name of Operator COG Operating LLC  3. Address 550 W. Texas, Sic. 1300  4. Six 1500											r, .					
3. Address: \$50 W. Texas, \$15: 1300	2. Nam	e of Opera	tor COG	Opera	ting LL	C					<del></del>			8. Lease		Well No.
At surface	3. Addr	3. Address 550 W. Texas, Ste. 1300							· · · · · · · · · · · · · · · · · · ·				le)			
Ad surface	4. Loca	Militariu, reass 77701										10 Field and Pool or Exploratory HODDS				
At top prod. interval reported below  At top prod. interval reported below  At total depth  1665 FNL & 980' FWL, Unit E  At total depth  1665 FNL & 980' FWL, Unit E  Lea   NM    4 Date Spudded   15 Date TD. Reached   16 Date Completed   94/97/3097   17. Elevations (FP, RKB, RT, GL)*    4 Date Spudded   19, Date Completed   94/97/3097   17. Elevations (FP, RKB, RT, GL)*    4 Date Spudded   19, Date TD. MD   6987'   20. Depth Bridge Plug Set: MD    TVD   TVD   TVD   TVD   TVD   TVD    1 Type Electric & Other Mechanical Log. Run (Submit copy of each)   22. Was well cored?   1/2 No   Yes (Submit analysis)    Was DST run?   1/2 No   Yes (Submit analysis)   1/2 No	At su	Ataurfaa										_	Maljamar; Paddock 4450000			
At Isoal depth	At to	p prod. inte	erval repor	ted belov				,	-					Surve	y or Area	Sec.22., TY78, R32E
4. Date Spudded 03/01/2007	At to	tal denth			:	1665' l	FNL & 980	)' FWL,	Unit E					1 1		
TVD	4. Date	Spudded		15.			ned			٠,	• " •					RKB, RT, GL)*
1. Type Electric & Other Mechanical Logs Run (Submit copy of each)   22. Was well cored?     No.   Yes (Submit analysis)   Yes (Submit report)   Yes (Su	8. Total	Depth:	MD 7011	1'	ļ	19. P	lug Back T.D.	: MD						et: MD	)	*
CN / HNGS, Micro CFL / HNGS			ΓVD		1		-	TVD						TV	D	
CN   NNGS, Micro CFL / HNGS   Directional Survey   No   Yes (Submit copy)	1. Type	Electric &	& Other M	echanic	al Logs R	lun (Su	bmit copy of	each)						= =		
Casing and Liner Record   Report all strings set in well    Hole Size   Size/Grade   WL (#/ft.)   Top (MD)   Bottom (MD)   Casing Cement   Type of Cement   T	CN/	HNGS, N	Micro CF	L/HN	GS								<u></u>		<b>_</b>	• •
Fracture	. Casii	ng and Lir	ner Recor	d (Repo	ort all st	rings s	et in well)							٠.٠٠		
12   14   3-55   24#   2102   1280 sxs   None	Hole Size	Size/Gr	rade Wi	t. (#/ft.)			I Boffom (MIII) I						Cement Top*		Amount Pulled	
Tubing Record   Tubing Recor	7 1/2	H-40	48	#			<del>                                     </del>							N		None
Tubing Record   Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Size	2 1/4	J-55	24	#			2102		128							None
Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)   Packer Depth (MD)   Packer Depth (MD)	7 7/8	J-55	17	#			7000	+		2805	sxs					None
Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)   Packer Depth (MD)   Packer Depth (MD)		<u> </u>								<u></u>		<del>                                     </del>				
Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)   Packer Depth (MD)   Packer Depth (MD)		<u> </u>														
2.7/8   6882'   26.   Perforation Record   Size   No. Holes   Perf. Status			h Set (MD	) Packe	er Denth (	MD)	Size	Dept	th Set (MD)	Packer	Depth (M	DI	Size	Depth	Set (MD)	Packer Denth (MD)
Paddock   Sept.   Social   Size   No. Holes   Perf. Status		<del></del>	001 (1/12)	,	a Dopai (		0120	1 24			o opui (iii	-/-	- CILO	124-	300 (1.125)	Tuesta Depar (MD)
Paddock   5967' - 6310'   30   Open	5. Produ							26.							p	
Paddock   6513' - 6873'   60   Open			n		Тор							Size			<del></del>	
Acid, Fracture, Treatment, Cement Squeeze, etc.  Depth Interval  Amount and Type of Material  5967' - 6310'  Acidize w/ 2000 gals acid  Frac w/ 50,000# 20/40 white, & 15,000# 16/30 sand  6513' - 6873'  Acidize w/ 1650 gals acid  Frac w/ 48,538# 16/30 sand & 74,609 gals 40# gel  Production - Interval A  Date First Test Tosted Production BBL MCF BBL Cor. API Gravity  670/2007 04/21/2007 24  103 176 86 38.6  The Press. Csg. Fivg. Press. Csg. Fivg. Press. Csg. Fivg. Press. Csg. Fivg. Test BBL MCF BBL Ratio  Amount and Type of Material  Acidize w/ 1650 sand  Frac w/ 48,538# 16/30 sand  Acidize w/ 1650 gals acid  Frac w/ 48,538# 16/30 sand  Acidize w/ 1650 gals acid  Frac w/ 48,538# 16/30 sand  Acidize w/ 1650 gals acid  Frac w/ 48,538# 16/30 sand  Acidize w/ 1650 gals acid  Frac w/ 48,538# 16/30 sand  Acidize w/ 1650 gals acid  Frac w/ 48,538# 16/30 sand  Acidize w/ 1650 gals acid  Frac w/ 48,538# 16/30 sand  Acidize w/ 1650 gals acid  Frac w/ 48,538# 16/30 sand  Acidize w/ 1650 gals acid  Frac w/ 48,538# 16/30 sand  Acidize w/ 1650 gals acid  Frac w/ 48,538# 16/30 sand  Acidize w/ 1650 gals acid  Frac w/ 48,538# 16/30 sand  Acidize w/ 1650 gals acid  Frac w/ 48,538# 16/30 sand  Acidize w/ 1								-					<del>-</del>		<del></del>	
Depth Interval  S967' - 6310'  Acidize w/ 2000 gals acid  Frac w/ 50,000# 20/40 white, & 15,000# 16/30 sand  6513' - 6873'  Acidize w/ 1650 gals acid  Frac w/ 48,538# 16/30 sand & 74,609 gals 40# gel  Production - Interval A  Date First Test Date Tested Date Tested Production BBL MCF BBL Corr. API Gravity  Corr. API Gravity  Corr. API Gravity  Pumping  Well Status  Production - Interval BBL Agas Water BBL Gas Water BBL Gravity Production Method Production Method Gravity Production Method Production - Interval B Gas Water Gas/Oil Gravity Gas Production Method Gravity Gas Gravity Production Method Gravity Gravity Production Method Gravity Gas Gravity Gas Gravity Gas Gravity Gas									3075							
Depth Interval  5967' - 6310'  Acidize w/ 2000 gals acid  Frac w/ 50,000# 20/40 white, & 15,000# 16/30 sand  6513' - 6873'  Acidize w/ 1650 gals acid  Frac w/ 48,538# 16/30 sand & 74,609 gals 40# gel  3. Production - Interval A  Date First Test Date Tested Date Tested Production BBL MCF BBL Corr. API Gravity  Choke Tbg. Press. Csg. Flwg. Press. Sl  Sl  Date First Test BBL MCF BBL Gas Water BBL Gas/Oil Ratio  BBL MCF BBL Gas/Oil Ratio  Production - Interval B  Date First Test Hours Test BBL MCF BBL Gas Water BBL Gas/Oil Ratio  Production - Interval B  Date First Test Hours Test BBL MCF BBL Gas Water BBL Gas/Oil Ratio  Production - Interval B  Date First Test Hours Test Date Fress. Sl  Date First Test Hours Test Hours Test Gravity Gas Gravity Production Method  Date First Test Hours Test Gravity Gas Gravity Production Method  Date First Test Hours Test Gravity Gas Gravity Production Method Gravity Gas Gravity Production Method  Date First Test Gravity Production Method Gravity Gas Gravity Production Method																
Acidize w/ 2000 gals acid  Frac w/ 50,000# 20/40 white, & 15,000# 16/30 sand  6513' - 6873'  Acidize w/ 1650 gals acid  Frac w/ 48,538# 16/30 sand & 74,609 gals 40# gel  Production - Interval A  Date First Test Date Tested Date Tested Production BBL MCF BBL Corr. API Gravity Corr. API Gravity Pumping  Achoke Tbg. Press. Csg. Flwg. Press. Sl  Sl  Acidize w/ 2000 gals acid  Frac w/ 48,538# 16/30 sand & 74,609 gals 40# gel  Water BBL Corr. API Gravity Production Method Pumping  Well Status  Production - Interval B  Date First Test Hours Date Tested Date Tested Date BBL MCF BBL Gas/Oil BBL MCF BBL Gas/Oil Ratio Production - Interval B  Date First Test Hours Tested Date Tested Date Gas MCF BBL Gravity Gas Gravity Production Method Gravity Gravity Gravity Gravity Production Method Gravity Production Method Gravity Gravity Production Method Gravity Production Production Production Production Production Production Production Production Pr	<del></del>			Cement S	Squeeze, e	etc.			Α,	mount a	d Tune o	Mater	in1			
Frac w/ 50,000# 20/40 white, & 15,000# 16/30 sand  6513' - 6873'  Acidize w/ 1650 gals acid  Frac w/ 48,538# 16/30 sand & 74,609 gals 40# gel  Production - Interval A  Date First Test Date Tested Date Tested Production BBL MCF BBL Cor. API Gravity Pumping  100/70/2007 04/21/2007 24  103 176 86 38.6  Production - Interval BBL MCF BBL Cor. API Gravity Pumping  101 Gravity Pumping  Well Status  Production - Interval BBL MCF BBL Gas/Oil Ratio  Production - Interval BBL MCF BBL Gravity Gas Gravity Production Method  Production Method Gravity Gas Gravity Production Method Gravity Gravity Gravity Gravity Gravity Gravity Gravity Gravity Gravity Production Method Gravity Gra		<del></del>	VAI		Acidize	w/ 20	00 gals acid		Λ.	mount a	ia rype o	Water	aı			
Frac w/ 48,538# 16/30 sand & 74,609 gals 40# gel  Production - Interval A  Pate First Test Date Tested Date Tested Date Tested Date Tested Date Tested Date Tested Date Date Date Date Date Date Date Date								ite, & 15	5,000# 16/3	0 sand						
B. Production - Interval A  Date First Test Date First Test Date Tested Date Tested Production BBL MCF BBL Cor. API Gravity Cor. API Gravity Pumping  Date Filwg. St. Press. St. Press. St. Date Filwg. St. Date First Tested Date First Test Date First Date First Test Date First Date First Test Date First Date	6513'	- 6873'														
Date First Test Date First Date First Test Date First Date First Test Date First Dat	Drodu	otion Into	mial A	<u> </u>	Frac w/	48,53	8# 16/30 san	d & 74,	609 gals 40	# gel						
103   176   86   38.6   Pumping		Test	Hours						Oil Grav	rity			Production	Method		
Thoke Flwg. Press. Csg. Flwg. Sl		Į.	ì	Produc	_				Corr. AF	4	Gravi	ty				
a. Production - Interval B  state First Test Hours Tested Production BBL MCF BBL Corr. API Gravity Gas Gravity  Tested Production Method  Tested Production BBL MCF BBL Corr. API Gravity Gravity Gravity Gravity	hoke	Tbg. Press. Flwg.	Csg.		Oil		Gas	Water	Gas/Oil		Well S	tatus				
Date First Test Date Test Date Test Date Test Date Test Date Test Date Date Date Date Date Date Date Dat	Pa Prod	L	erval D	1			<u> </u>			-	<u> </u>					
	Date First	e First   Test   Hours   Test   duced   Date   Tested   Product		ion BB									Method	<del></del>		
Size Fig. 1 Press. Rate BBL MCF BBL Ratio	Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr.	Oil	L		Water BBL	Gas/Oil Ratio		Well St	itus				

<sup>\*(</sup>See instructions and spaces for additional data on page 2)

Date First   Test   Hours   Tested   Date   Tested   Date   Tested   Date   Tested   Date   Tested   Date   Tested   Date   Da	28b. Production - Interval C												
Protected Date Treed Production BBL MCF BBL Core APT Greety    Product   Product Core   Production   Producti	Date First   Test   Hours   Test   Oil   Gas   Water   Oil Gravity   Gas   Production Method												
Size   Fire				Production	BBL	MCF		Corr. API	Gravity				
Discription   Test   Front   Test   Front   Test   Front   Test		Flwg.			Oil BBL		Water BBL		Well Status				
Date   Tested   Production   BBL   MCF   BBL   Corr. AFT   Gravity													
Size   Five   Press   Rate   BBL   MCF   BBL   Ratio													
Sold  30. Summary of Porcus Zones (Include Aquifers): Show all important zones of porsity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.  Formation Top Bottom Descriptions, Contents, etc. Name Top Meas. Depth (Meas. Depth Meas.		e Flwg. Press. Rate BBL MCF BBL Ratio											
Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.    Formation   Top   Bottom   Descriptions, Contents, etc.   Name   Top   Meas. Depth													
Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.    Formation   Top   Bottom   Descriptions, Contents, etc.   Name   Top   Meas. Depth													
Yates 7 Rivers Queen 3083 Grayburg 3459 San Andres Glorieta 7 Electrical Machanical Logs (I full set req'd.) Geologic Report Geologic Report Gould Sundry Notice for plugging and attached information is complete and correct as determined from all available records (see attached instructions)*  Pagulatory: Apalyt.    Additional remarks (include plugging and attached information is complete and correct as determined from all available records (see attached instructions)*	Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures												
7 Rivers   2492	Forr	Formation Top Bottom Descriptions, Contents, etc.								Name Top Meas. Depth			
☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey ☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:  34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*	7 Rivers Queen 3083 Grayburg 3459 San Andres 3855 Glorieta 5366 Yeso 5436												
Name (please print)  Phyllis A. Edwards  Title  Regulatory Analyst	☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey ☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:												
	Name	(please prir	nt) Pi	nyllis A. Ed	iwards	n C	<del>)</del>		ntory Analyst	:			
Signature	Signa	ture	J'h	ylle	ioll	Ger	ad	Date					

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.