Form 3160-4 (August 2007)



UNITED STATES
DEPARTMENT OF THE INTERIOR NMOCD ARTESIA

FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG												5.	5. Lease Serial No. NMNM118109					
1a. Type of Well ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other												6.	6. If Indian, Allottee or Tribe Name					
b. Type of Completion ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other											7.	7. Unit or CA Agreement Name and No.						
2. Name of Operator Contact: BRIAN MAIORINO COG OPERATING LLC E-Mail: bmaiorino@concho.com											8.	Lease Name and Well No.     TUMAK FEDERAL 2						
3. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701 3a. Phone No. (include area code) Ph: 432-221-0467 9. API Well No. 30-015-40464-00-S1													-S1					
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  10. Field and Pool, or Exploratory EMPIRE GLORIETA-YESO																		
At surface SWSW 984FSL 474FWL 11. Sec., T., R., M., or Block													Block and Su	rvey				
At top p	rod interval r	eported b	elow SWS	SW 988	FSL 9	16F	<b>₩</b> L							or Area Sec 14 T17S R28E Mer NMP  12. County or Parish 13. State				
At total		SW 988F	SL 916FW										EDDY		NM			
14. Date Spudded 10/21/2012       15. Date T.D. Reached 10/29/2012       16. Date Completed D & A Ready to Prod. 12/06/2012       17. Elevations (DF, KB, RT, VB, RT, RT, RT, RT, RT, RT, RT, RT, RT, RT																		
18. Total Depth: MD 5448 19. Plug Back T.D.: MD 5400 20. Depth Bridge Plug Set: MD TVD 5424 TVD																		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  HRLA CNDL  22. Was well cored? No Yes (Submit analysis)  Was DST run? No Yes (Submit analysis)  Directional Survey? No Yes (Submit analysis)																		
23. Casing ar	nd Liner Reco	ord (Repo	rt all strings	set in w	ell)		•											
Hole Size	Size/G	rade	Wt. (#/ft.)	To <sub>l</sub> (MI		- 1	ttom (ID)	. ~	Cementei Jepth	E .	f Sks. & of Cement		ry Vol BBL)	Cement 7	Гор*	Amount P	ulled	
17.500	13.3	75 H-40	48.0	· · · · ·		Ì	263			1089					0			
11.000	1	325 J-55	24.0			_	927			500		_			0	<del>i                                    </del>		
7.875	5.5	500 J-55	17.0		0	-	5448			<del>                                     </del>	90			<del> </del>	0		······································	
						Ţ											<del></del>	
24. Tubing	Record					1										<u> </u>		
——т	Depth Set (M	1D) P:	acker Depth	(MD)	Siz	e	Deptl	h Set (N	ИD) I	Packer De	pth (MD)	Size	: [	Depth Set (MI	D)	Packer Depth	(MD)	
2.875 25. Produci		5052				-	126	Dorfor	ation Rec	ard			Ш,					
	ormation		Тор	Т	Bott	tom	20.		erforated		Т	Size	П	No. Holes	Γ	Perf. Status	<u></u>	
A)	PADE	оск		3690		394	0				O 3940		.210		OPE			
B)	BLINE	BRY		4130		495							.210					
C) D)	<del></del>			-	•	<del> </del>	+				O 4640 O 4950		.210 .210		OPE		<del></del>	
	racture, Treat	ment, Cer	nent Squeeze	, Etc.												•		
	Depth Interva		AO ACIDIZE	W/200	n GAI	15%	FRAC	W/104		mount and			0.880	WN SAND+ 1	1 994+	± 16/30 CRC		
						-								WN SAND+ 2	<u> </u>			
														WN SAND+ 2				
28. Product	ion - Interval		950 ACIDIZE	VV/25U	U GAL	15%,	FRAC	VV/11/	K GAL GE	EL CARRY	ING 146,8	54# 16/3	0 BRC	Cara NAM	1,820	16/30 GRC-	NOF	
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL		ias 1CF		Vater BL	Oil G Corr.	ravity API	Gas Grav	ity	Prod	uction Method	E	6-6-1	7	
12/22/2012	12/26/2012	24		43.0	-	52.	-	711.0	-	37.8			<u> </u>	ELEGTR	IC-PU	MPING-UNIT-		
Choke Size	Tbg. Press. Flwg. 70 SI	Csg. Press. 70.0	24 Hr. Rate	Oil BBL 43		ias 1CF 52	Е	Vater BBL 711	Gas: C Ratio		Well	POW	CC	EPTED)	F	)R REC	ORD!	
28a. Produc	tion - Interva	l B				İ										A. A		
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL		ias ICF		Vater BL	Oil G Corr.		Gas Grav	ity	Prod	FEB	9	2013		
Choke iize	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL		ias ICF		Vater BL	Gas:0 Ratio		Well	Status		Ja	22 5	6		
	ions and space NIC SUBMIS ** BL	SSION #1		IFIED I	BY TI	ÏE B						VISE			) FIE	MANAGEW LD OFFICE		

Date First Produced   Date   Test   Hours   Test   Production   BBL   MCF   BBL   Corr. API   Gas   Gravity   Production Method	28h Prod	uction - Inter	val C							<del></del>	<del></del>	-			
Caste Sun 17th Pown Cre 18th Sun 27th State 12th Sun 27th State 12th Sun 27th State 12th Sun 27th State 12th Sun 27th Sun 27th State 12th Sun 27th	Date First	Test	Hours								Production Method				
Size   First	Produced	Date	Tested	Production	BBL	MCF	BBL	Corr. API	Grav	vity					
28c   Production - Interval D   Dues from   Tou   State   Production   Bits   Disposition   Dispos		Flwg.								Well Status					
Due Figs   Tope   Tested   Production   Pr	28c Prod		val D		l										
Size   Prive	Date First Test Hours Test Oil Ga									Production Method					
SOLD  30. Summary of Perous Zones (Include Aquifers):  Show all important zones of porosity and contents thereof: Cored intervals and all drill-atem tests, including depth interval tested, cushion used, time tool open, flowing and shui-in pressures and recoveries.  Formation  Top  Bottom  Descriptions, Contents, etc.  Name  Top  Meas. De  RUSTLER  157  YATES  655  SAN ANDRES  2225  GLORIETA  3819  YESO  3708  TUBB  31. Formation (Log) Markers  157  YATES  655  SAN ANDRES  2225  GLORIETA  3819  YESO  3708  TUBB  32. Additional remarks (include plugging procedure):  Logs sent in the mail.  33. Circle enclosed attachments:  1. Electrical/Mechanical Logs (I full set regd.)  5. Sundry Notice for plugging and cement verification  6. Core Analysis  7. Other:  34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions).  Electronic Submission/#193870 Verified by the BLM Well Information System.  For COG OPERATING LLC, seat to the Carbabal Committed to AFMSS for processing by KURT SIMMONS on 2026/C2013 (13KmSt797SE)  Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1012, make it a crime for any person knownels and willfully to make to any department or agency.  Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1012, make it a crime for any person knownels and willfully to make to any department or agency.		Size Flwg. Press. Rate BBL MCF							Well	Well Status					
30. Summary of Porous Zones (Include Aquifers): Show all important zones of porosity and contents thereof: Cord 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. De RUSTLER 157 Meas. De RUSTLER 252 SANAIDERS 3619 YESO TUBB 32. Additional remarks (include plugging procedure): Logs send in the mail.  33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (I full set reqd.) 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other:  34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions): Electronic Submission/#193870 Verified by the BLM Well Information System. For COG OPERATING LLG, sent to the Carlsbad Committed to APMS for processing by KURT SIMMONS on 200e/2013 (I SkMS4797SE) Name (please print) BRIAN MAIORINO Title [8 U.S.C. Section 100] 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 Title [8 U.S.C. Section 100] 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 Title [8 U.S.C. Section 100] 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 Title [8 U.S.C. Section 100] 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 Title [8 U.S.C. Section 100] 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 Title 18 U.S.C. Section 100] 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			Sold, used	for fuel, vent	ed, etc.)						· · · · · · · · · · · · · · · · · · ·				
tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recovering the state of the sta			s Zones (In	clude Aquife	rs):					31. For	mation (Log) Marl	cers			
Formation 1op Bottom Descriptions, Contents, etc. Name Meas. De  RUSTLER 157 YATES 255 SAN ANDRES 255 SAN ANDRES 255 SAN ANDRES 2519 GCORIETA 3708 TUBB 5108  32. Additional remarks (include plugging procedure): Logs sent in the mail.  32. Additional remarks (include plugging procedure): Logs sent in the mail.  33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 5. Sundry Notice for plugging and acment verification 6. Core Analysis 7 Other.  34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions).  Electrical Submission/#193870 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlshad Committed to AFMSS for processing by KURT SIMMONS on 2016/2013 (13KMS4797SE)  Name (please print) BRIAN MAIORINO  Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, thake it a crime for any person knowingly and willfully to make to any department or agency.  Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, thake it a crime for any person knowingly and willfully to make to any department or agency.	tests,	including dep							es						
RUSTLER 157 VATES 655 SAN ANDRES 2225 GLORIETA 3619 YESO 3708 TUBB 5108 5108 7UBB 5108 5108 7UBB		Formation	Тор	Bottom		Descripti	ons, Contents, et	c.		Name		Top Meas, Depth			
1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other:  34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):  Electronic Submission#193870 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 02/06/2013 (13KMS4797SE)  Name (please print) BRIAN MAIORINO  Title AUTHORIZED REPRESENTATIVE  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	YATES SAN AND GLORIET YESO TUBB	ORES	i (include p nail.	655 2225 3619 3708 5108	edure):					YA SA GL YE	TES N ANDRES ORIETA SO				
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other:  34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):  Electronic Submission, #193870 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 02/06/2013 (13KMS4797SE)  Name (please print) BRIAN MAIORINO  Title AUTHORIZED REPRESENTATIVE  Signature (Electronic Submission)  Date 02/01/2013  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	33. Circle	e enclosed att	achments:		<u></u>			· · · · · · · · · · · · · · · · · · ·		<u> </u>	·.·				
Electronic Submission #193870 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 02/06/2013 (13KMS4797SE)  Name (please print) BRIAN MAIORINO  Title AUTHORIZED REPRESENTATIVE  Signature (Electronic Submission)  Date 02/01/2013  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							_	•		,			nal Survey		
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			·	Elect Committed	ronic Subm Fo	nission#1 or COG (	93870 Verifi PERATING	ed by the BLM V LLC, sent to the RT SIMMONS	Well Infor ne Carlsba on 02/06/2	mation Sy ad 2013 (13K	rstem. MS4797SE)	hed instruction	ons):		
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 fradulent statements or representations as to any matter within its jurisdiction.	Signa	ature	(Electro	nic Submiss	ion)		Date 02/01/2013								
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	Title 18 U	U.S.C. Section ited States an	n 1001 and y false, fic	Title 43 U.S. titious or frac	C. Section lulent staten	1212, mal	ce it a crime for	or any person kno as to any matter	owingly an within its	d willfully jurisdiction	to make to any de	partment or a	agency		