Form 3160-4 (August 2007)

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

FEB **05** 2013

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

WELL COMPLETION OR	KECKINDE ELIKIN KI	

Lease Serial No NMNM118109 1a. Type of Well ☐ Gas Well □ Dry 6. If Indian, Allottee or Tribe Name Oil Well ☐ Other b. Type of Completion New Well ■ Work Over □ Deepen ☐ Plug Back ☐ Diff. Resvr. 7. Unit or CA Agreement Name and No. Other Name of Operator
 COG OPERATING LLC Contact: BRIAN MAIORINO Lease Name and Well No. TUMAK FEDERAL 3 E-Mail: bmaiorino@concho.com ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701 3a. Phone No. (include area code) Ph: 432-221-0467 9. API Well No. 3. Address 30-015-40459-00-S1 Field and Pool, or Exploratory EMPIRE GLORIETA-YESO 4. Location of Well (Report location clearly and in accordance with Federal requirements)\* At surface SWSW 245FSL 230FWL 11. Sec., T., R., M., or Block and Survey or Area Sec 14 T17S R28E Mer NMP At top prod interval reported below SWSW 359FSL 344FWL 12. County or Parish EDDY 13. State SWSW 359FSL 344FWL At total depth 14. Date Spudded 08/28/2012 15. Date T.D. Reached 16. Date Completed 17. Elevations (DF, KB, RT, GL)\* 09/04/2012 18. Total Depth: 19. Plug Back T.D.: MD 5130 20. Depth Bridge Plug Set: TVD 5215 TVD TVD Type Electric & Other Mechanical Logs Run (Submit copy of each)
CNSGR ☐ Yes (Submit analysis) Was well cored? Was DST run? 22. No No No No Yes (Submit analysis)
Yes (Submit analysis) Directional Survey? 23. Casing and Liner Record (Report all strings set in well) No. of Sks. & Stage Cementer Slurry Vol. Bottom Hole Size Size/Grade Wt. (#/ft.) Cement Top\* Amount Pulled (MD) (MD) Depth Type of Cement (BBL) 17.500 13.375 H-40 48.0 400 11.000 8.625 J-55 24.0 933 500 0 <u>7.875</u> 17.0 900 0 5.500 J-55 5208 24. Tubing Record Depth Set (MD) Packer Depth (MD) Depth Set (MD) Packer Depth (MD) Depth Set (MD) Packer Depth (MD) Size Size Size 2.875 3559 26. Perforation Record 25. Producing Intervals Perf. Status Top No. Holes Formation Bottom Perforated Interval Size 3650 A) 4922 3650 TO 3900 0.210 26 OPEN B) 4182 TO 4382 0.210 26 OPEN C) 4452 TO 4652 0.210 26 OPEN, D) 4722 TO 4922 0.210 OPEN 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval Amount and Type of Material 3650 TO 3900 gal gel, 111390# 16/30 brown, w/ 17091# 16/30 siber gal 15% 3650 TO 3900 gal gel, 138294# 16/30 brown w/ 28413# 16/30 siber 4182 TO 4382 gal 15% 4182 TO 4382 28. Production - Interval A Date First Oil Gravity Production Method Test Hours Test Oil Water Gas Tested BBL MCF BBL Corr. API 11/06/2012 12/05/2012 24 60.0 91.0 420.0 37.8 ELECTRIC PUMPING UNIT Choke Gas MCF Tbg. Press. Csg. 24 Hr. Oil Water Gas:Oil Well Statu BBL BBL Size Flwg 70 Press Rate Ratio SI 70.0 60 91 420 1516 POW 28a. Production - Interval B Date First Test Oil Gravity Test Water Gas Hours FEB 2 2013 Produced BBL BBL Choke 24 Hr Well Stati Ġas MCF Tbg. Press Csg. Oil Water Gas:Oil BBL BBL Flwg. Rate Ratio Press EALL OF LAND MANAGEMENT (See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #187299 VERIFIED BY THE BLM WELL INFORMATION SYSTEM CARLSBAD FIELD OFFICE

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED

Test Date	Hours Tested	Test Production	Oil	Gas	Water	Oil Gravity	Gas		Production Method		
	Tested	Production	l nnr								
	· ·		BBL	MCF	BBL	. Corr. API	Grav	ity	i	•	
Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well	Status			
SI	11035.		·			Kano					
ion - Interv	al D										
Test Date	Hours Tested	Test Production	Oil BBL	Gas' MCF	Water BBL	Oil Gravity Corr. API	Gas Grav	rity	Production Method	-	
Tbg. Press. Flwg.	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well	Status		•	
	Sold: used	for fuel, vent	ed, etc.)	1							
						<u> </u>		21 For	motion (Log) Ma	ricora	
		-		raaf: Car	ad intervals or	ad all drill atom		31. FOI	mation (Log) Ma	Keis	
Important a luding dept veries.	tones of point of hinterval	tested, cushic	ontents the	me tool or	en, flowing a	nd shut-in pressure	S	1		, .	
	<u> </u>	Т	D-M-		Dagaria	tions Contonts ato			Nome		Тор
ormation		Тор	Bottor	n	Descrip	ions, Contents, etc	i. 		Name		Meas. Depth
		315 634									315 634
-0		1446						QL	JEEN		1446 2198
<b>:5</b> .		3614	•	I		.*		GL	ORIETA		3614
		3661 5069									3661 5069
	1	5118									5118
								1			
											1
								ŀ			
			Į								
				-				•			
				ŀ	•						İ
	ļ	•									
		lugging proc	edure):		<del></del>			<u> </u>	100	· · · · · ·	<del></del>
nt in the ma	àil.		,								
nclosed attac	hments:			1							
1. Electrical/Mechanical Logs (1 full set req'd.)					2. Geolog	gic Report	3	. DST Re	port	4. Direction	nal Survey
Sundry Notice for plugging and cement verification					6. Core Analysis 7 Other:						
		<del> </del>	. ,				1.0				
certify that	the forego	-		•						ched instruction	ons):
			F	or COG	OPERATING	G LLC, sent to the	e Carlsba	d			
			to AFMS	S for pro	cessing by Kl	URT SIMMONS o	on 01/24/2	2013 (13K	-	_	
lease print)	BRIAN N	MAIORINO				Title A	UTHORI	ZED REF	PRESENTATIVE		
e	(Electror	nic Submiss	ion)	1		Date 0	1/21/201	3	<del></del>		
	ion - Intervalent Test Date  The Press Flwg St on of Gas (St y of Porous important aluding dept everies.  The Press Flwg St on of Gas (St y of Porous important aluding dept everies)  The Press Flwg	ion - Interval D Test Hours Date Press. Csg. Flwg. Press. SI on of Gas(Sold, used y of Porous Zones (In important zones of pluding depth interval veries.  Domation  ES  all remarks (include p th in the mail.	ion - Interval D Test Date  Test Date  Test Date  Test Date  Test Tested  Test Production  Tog The Press St  Tested  Test Production  Tog The Press St  Test The Press Test The Press Test Test Test Test Test Test Test T	ion - Interval D Test Hours Tested Production Date Hours Tested Production Date Press. Csg. Press. St Press. Press. Press. St Press. Press. Press. Press. St Press. St Press. Pr	Test Date Hours Test Production BBL Gas MCF  They Press. Csg. 24 Hr. Rate BBL MCF  Ton of Gas (Sold: used for fuel. vented, etc.)  Ton of Gas (Sold: used for fuel. vented, etc.)  Ton of Gas (Sold: used for fuel. vented, etc.)  Ton of Gas (Sold: used for fuel. vented, etc.)  Ton of Gas (Sold: used for fuel. vented, etc.)  Ton of Gas (Sold: used for fuel. vented, etc.)  Ton of Gas (Sold: used for fuel. vented, etc.)  Ton of Gas (Sold: used for fuel. vented, etc.)  Ton Bottom  Top Core (Top In	Test Date Production BBL MCF BBL  Test Production BBL MCF BBL  Togs Press. Csg. 24 Hr. Rate BBL MCF BBL  on of Gas/Sold: used for fuel, vented, etc.)  y of Porous Zones (Include Aquifers): important zones of porosity and contents thereof: Cored intervals are luding depth interval tested, cushion used, time tool open, flowing a veries.  Top Bottom Descrip  315 634 1446 2198 3614 3661 5069 5118  Top Bottom Descrip  all remarks (include plugging procedure): int in the mail.  Top Solve attachments: rical/Mechanical Logs (1 full set req'd.) Top Solve attachments: rical/Mechanical Logs (1 full set req'd.) Top Solve attachments: Top Solve att	Test Date Tested Production BBL Gas BBL Corr. API  Tested Production BBL MCF BBL Corr. API  Tested Production BBL MCF BBL Corr. API  Tested Production BBL MCF BBL Corr. API  Tested Press Rate BBL MCF BBL Corr. API  Tested Press Rate BBL MCF BBL Ratio  on of Gas(Sold: used for fuel. vented. etc.)  y of Porous Zones (Include Aquifers): important zones of porosity and contents thereof: Cored intervals and all drill-stem luding depth interval tested, cushion used, time tool open, flowing and shut-in pressure veries.  Top Bottom Descriptions, Contents, etc.  315 634 1446 58 2198 3614 3661 3661 3661 3661 3661 3661 3661	Test Hours Tested Production BBL Gas Grave Production BBL Gas Grave Production BBL Gas Grave Production BBL Gas Grave Production BBL Grave Press Gas Grave Press Rate BBL Grave BBL Grave Press Gas Grave BBL Grave Press Gas Grave BBL Grave Grave Press Gas Grave BBL Grave Grave Press Gas Grave BBL Grave Grav	Test Hours Tested Production BBL Gas BBL Corr. API Gravity Gas Gravity  Test Press. Test Production BBL MCF BBL Corr. API Gravity  Test Press. Cag 24 H. Oil BBL MCF BBL Gas Oil BBL Gar. Api Gravity  Test Press. Cag 24 H. Oil BBL MCF BBL Gas Oil BBL Gar. Api Gravity  Test Press. Cag 24 H. Oil BBL MCF BBL Gas Oil Gravity  Test Of Porous Zones (Include Aquifers):  Important zones of porosity and contents thereof. Cored intervals and all drill-stem luding depth interval tested, cushion used, time tool open, flowing and shut-in pressures veries.  Test Oil Gravity  Test Oil Gravity  Well Status  31. For Depth Gas Oil Gas Oil Gravity  Test Oil Gravity  Test Oil Gravity  Gas Oil Gravity  Test Oil Gravity  Gas Oil Gravity  Test Oil Gravity  Gas Oil Gravity  Test Oil Gravity  Test Oil Gravity  Gas Oil Gravity  Test Oil Gravity  Gas Oil Gravity  Test	Test	Treat   Hours   D   Test   Hours   Test   Hours   Test   Hours   Test   Test   Production   Dist.   MCT   Dist.   MCT   Dist.   Car. AH   Gravity   Gravity   Troduction Method

## Additional data for transaction #187299 that would not fit on the form

## 27. Acid, Fracture, Treatment, Cement Squeeze, etc., continued

Depth Interval	Amount and Type of Material
4452 TO 4652	gal 15%
4452 TO 4652	gal gel, 139650# 16/30 brown w/ 29505# 16/30 siber
4722 TO 4922	gal gel, 138801# 16/30 brown w/ 27853# 16/30 siber
4722 TO 4922	gal 15%