Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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

Produced Date O8/19/2010 Date O8/12/2010 24 Production BBL. MCF BBL Size Flwg. 70 SI Press. 70.0 Test Date First Produced Date Tested Date Tested BBL Size Date Tested Date Date Tested Date Tested Date Tested Date Date Tested Date Tested Date Tested Date Date Tested Date Date Tested Date Date Tested Date		WELL C	OMPL	ETION O	R RE	CON	APLETI	ON R	EPORT	AND L	OG		5. Lease NML	Serial N			
College	Ia. Type of	Well 🛛	Oil Well	☐ Gas \	Vell		ry 🗖 (Other					6. If Ind	an, Allo	ottee or	Tribe Name	—
COG OPERATING LLC	b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.										Resvr.						
MIDLAND, TX 79701-4287 Ph: 4322-865-4332 30-015-36497-00-S1	Name of Operator Contact: KANICIA CARRILLO											. ;	8. Lease Name and Well No.				
At surface SWNE Lot G 1800FNL 2300FEL 32 82231 N Lat. 103.85585 W Lon At total depth SWNE Lot G 1800FNL 2300FEL 32 82231 N Lat. 103.85585 W Lon At total depth SWNE Lot G 1800FNL 2300FEL 32 82231 N Lat. 103.85585 W Lon 14. Date Spadded O7/06/2010	3. Address 550 WEST TEXAS AVENUE SUITE 100 3a. Phone No. (include area code))	9. API Well No.				
At top prod interval reported below SWNE Lot G 1800FNL 2300FEL 32 82231 N Lat, 103.85585 W Lon At total depth SWNE Lot G 1800FNL 2300FEL 32 82231 N Lat, 103.85585 W Lon At total depth SWNE Lot G 1800FNL 2300FEL 32 82231 N Lat, 103.85585 W Lon 14. Date Spudded O776/97010	4. Location	of Well (Rep	ort locati	on clearly an	d in acc	cordan	ce with Fe	deral red	uirement	s)*		-	10. Field and Pool, or Exploratory				
At total depty SWNE LOI G 1800FNL 2300FE 12.8 2221 N Lat, 103 85988 W Lon 14. Date Spudded O7706/2010 15. Date: T.D. Reached O7706/2010 16. Date Completed O8704/2010 17. Date: T.D. Reached O7706/2010 18. Total Depth: MD 6830 19. Plug Back T.D.: MD 6878 10. Date: T.D. Reached O8704/2010 1	At surface SWNE Lot G 1800FNL 2300FEL 32.82231 N Lat, 103.85585 W Lon												11. Sec., T., R., M., or Block and Survey				
14. Date Spundled			•							,	J3.85585						
07766/2010		•	NE Lot G					_at, 103							NP 121	1	
TVD 6578													17. Elevations (DF, KB, RT, GL)* 3855 GL				
COMPENSATEDNEUT Was DST run? Directional Survey? No. Yes (Submit analysis) Yes (Submit ana		•	TVD	6630													
Casing and Liner Record (Report all strings set in well) Top Bottom City Comment City Comment City Comment City Comment City	21. Type El COMPE	lectric & Oth ENSATEDN	er Mecha EUT	nical Logs R	un (Sub	mit co	py of each)		-Was DST run?				d? No Yes (Submit analysis) Property of No Yes (Submit analysis)			
17.500	23. Casing ar	nd Liner Reco	ord (Repo	ort all strings	set in v	vell)							-, <u>M</u>			(,	-
11.000	Hole Size	Size/Gi	ade	Wt. (#/ft.)				1 -		· ·		1 -	1 (ement 1	Гор*	Amount Pull	ed
24. Tubing Record		17.500 13.375 H40		48.0			45	453		500		0			0		0
24. Tubing Record																	
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD	7.875	5.	500 J55	17.0		의	661	4			1100	<u> </u>			0		
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD								-				- 	+				—
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD								1		1		 	$\neg \vdash$	· .			—
2.875 6186 25. Producing Intervals 26. Perforation Record Size No. Holes Perf. Status			· ·														
26. Perforation Record Formation Top Bottom Perforated Interval Size No. Holes Perf. Status				acker Depth	(MD)	Siz	e Der	oth Set (MD)	Packer Dep	oth (MD)	Size	Depth	Set (M	D)	Packer Depth (N	(D)
A) GLORIETA YESO B) PADDOCK 4980 5090 5670 TO 5870 0.410 26 OPEN C) BLINEBRY 5670 6410 5940 TO 6140 0.410 26 OPEN D27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval 4980 TO 5090 ACIDIZE W/2,500 GALS 15% ACID. 4980 TO 5090 FRAC W/99,734 GALS GEL, 114,708# 16/30 OTTAWA SAND, 13,482# 16/30 SUPER LC. 5670 TO 5870 ACIDIZE W/3,500 GALS 15% ACID. 5670 TO 5870 FRAC W/114,374 GALS GEL, 1146,116# 16/30 OTTAWA SAND, 30,574# 16/30 SUPER LC. 28. Production - Interval A Date First Produced Date Date Test Production Date Test Production Date Test Production Date Test Production Size Test Production Size Test Production BBL Gas BBL MCF BBL Gas BBL Gas BBL Gas BBL Ratio D16 Gravity Gas Gravity Gravity Gravity Gravity Gravity Gravity Gravity Froduction Method Fract Production Filing First Filing 70 Press Rate BBL MCF BBL Gas BBL Gas BBL Gas BBL Ratio D16 Gravity Gas Gravity Gas Gravity Froduction Method Filing			100				1 20	6. Perfor	ation Rec	ord		<u></u>					—
B) PADDOCK 4980 5090 5670 TO 5870 0.410 26 OPEN C) BLINEBRY 5670 6410 5940 TO 6140 0.410 26 OPEN D) 6210 TO 6410 0.410 26 OPEN Test Trest Hours Test Production - Interval A BBL Gas BBL MCF BBL Gas OII Gravity Gravity Froduction BBL MCF BBL Gas Date First Production - Interval B Date First Production Date Production BBL Gas BBL MCF BBL Gas Water Gas Oil Gravity Gas Production Method Date First Production - Interval B Date First Test Date Froduction BBL Gas BBL MCF BBL Gas Gas Gas Oil Gravity Gas Production Method Gas Date Froduction BBL Gas BBL Gas Gas Gas Oil Gravity Gas Production Method Gas BBL Gas Gas Gas Oil Gravity Gas Production Method Gas BBL Gas Gas Gas Gas Gas Date Froduction BBL Gas BBL Gas	Fo	ormation	T	Тор	Top Bottom				Perforated Interval Size				No.	Holes		Perf. Status	—
C) BLINEBRY 5670 6410 5940 TO 6140 0.410 26 OPEN D) 6210 TO 6410 0.410 26 OPEN 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval Amount and Type of Material 4980 TO 5090 ACIDIZE W/2,500 GALS 15% ACID. 4980 TO 5090 FRAC W/99,734 GALS GEL, 114,708# 16/30 OTTAWA SAND, 13,482# 16/30 SUPER LC. 5670 TO 5870 ACIDIZE W/3,500 GALS 15% ACID. 5670 TO 5870 FRAC W/114,374 GALS GEL, 148,116# 16/30 OTTAWA SAND, 30,574# 16/30 SUPER LC. 28. Production - Interval A Date First Produced Date Hours Tested Production BBL MCF BBL Gravity 08/09/2010 08/12/2010 24	A) G	LORIETA Y	ESO							4980 T	4980 TO 5090 0				OPE	PEN	
Depth Interval Amount and Type of Material Amount and Type of Material A980 TO 5090 ACIDIZE W/2,500 GALS 15% ACID. 4980 TO 5090 FRAC W/99,734 GALS GEL, 114,708# 16/30 OTTAWA SAND, 13,482# 16/30 SUPER LC. 5670 TO 5870 ACIDIZE W/3,500 GALS 15% ACID. 5670 TO 5870 FRAC W/114,374 GALS GEL, 146,116# 16/30 OTTAWA SAND, 30,574# 16/30 SUPER LC. 28. Production - Interval A Date First Produced Date Tested Production BBL MCF BBL Gas Oil Gravity Grav																	
Depth Interval					5670 6410												
Depth Interval Amount and Type of Material 4980 TO 5090 ACIDIZE W/2,500 GALS 15% ACID. 4980 TO 5090 FRAC W/99,734 GALS GEL, 114,708# 16/30 OTTAWA SAND, 13,482# 16/30 SUPER LC. 5670 TO 5870 ACIDIZE W/3,500 GALS 15% ACID. 5670 TO 5870 FRAC W/114,374 GALS GEL, 146,116# 16/30 OTTAWA SAND, 30,574# 16/30 SUPER LC. 28. Production - Interval A Date First Produced Date Froduced Date Froduction BBL MCF BBL Gravity Gas Gravity		racture, Treat	ment, Cei	ment Squeeze	e, Etc.						0 04101	0.41	<u> </u>			-	
4980 TO 5090 FRAC W/99,734 GALS GEL, 114,708# 16/30 OTTAWA SAND, 13,482# 16/30 SUPER LC. 5670 TO 5870 ACIDIZE W/3,500 GALS 15% ACID. 5670 TO 5870 FRAC W/114,374 GALS GEL, 146,116# 16/30 OTTAWA SAND, 30,574# 16/30 SUPER LC. 28. Production - Interval A Date First Produced Date Test Production BBL Gas Water BBL Gravity Corr. API Gravity Gas Gravity 08/09/2010 08/12/2010 24 OF 55.0 60.0 375.0 37.1 0.60 ACCEPTED TO THE BBL Size Flwg. 70 Press. Flwg. 70 Press. Size Flwg. 70 Press. Size Flwg. 70 Test BBL Gas Water BBL Ratio 28a. Production - Interval B Date First Test Hours Test BBL Gas Water Gas Oil Ratio Production - Interval B SEP 1 7 2010 SEP 1 7 2010 FIRST Gas Gravity Gas G		Depth Interva	l						A	mount and	l Type of N	Material	· · · · · ·	1 *	- 11	VEIVE	
Second Columbia															SE	P 2 1 2010	\equiv
Second Columbia									/30 OTTA	WA SAND,	13,482# 1	6/30 SUPER	R LC.	1000			—1
Date First Date First Date Produced Date Production Date Date Production Date Date Produced Date Date Production Date Date Production Date Date Production Date Producti									6/30 OTT/	AWA SANE	0, 30,574#	16/30 SUPE	R LC.	Lin	<u>//OC</u>	D ARTES	HA
Produced Date O8/109/2010 Date O8/12/2010 24 Production Date O8/109/2010 Date O8/109/2010 Date	28. Product	ion - Interval	A														
Choke Size Tbg. Press. Csg. Flwg. 70 Press. Size Test Date First Production Date Date Trest Date Trest Date Date Trest Date Date Date Date Date Date Date Dat	Date First Produced												roduction N	1ethod			
Size Flwg. 70 Press. Rate BBL MCF BBL 70.0 Test Production - Interval B 28a. Production - Interval B Date First Produced Date Hours Tested Date Production BBL MCF BBL Oil Gravity Corr. API Gravity Gravity Corr. API Gravity Gravi												0.60	ACC	LECTR	CPU	ABINE ANTECO)RD
28a. Production - Interval B Date First Test Hours Test Oil Gas Water Oil Gravity Gas Production Method Produced Date Tested Production BBL MCF BBL Corr. API Gravity 08/09/2010 08/12/2010 24 55.0 60.0 375.0 37.1 0.60 FLECTRIC PLIMPING UNIT.	Choke Size										Well S	Status	nuy		<u> </u>	UN NEON	1
Date First Test Hours Test Oil Gas Water Oil Gravity Gas Production Method Produced Date Tested Production BBL MCF BBL Corr. API Gravity 08/09/2010 08/12/2010 24 55.0 60.0 375.0 37.1 0.60 FLECTRIC PLIMPING LINIT				55		60	37	5	1091	- 1	POW		/S	/ Kc	ger nan	<u> </u>	
Produced Date Tested Production BBL MCF BBL Corr. API Gravity 08/09/2010 08/12/2010 24 55.0 60.0 375.0 37.1 0.60 FLECTRIC PLIMPING UNIT				Test	Ioa	10	lne.	Water	Los	itu	10		l l		P 1	7 2010	<u> </u>
08/09/2010 08/12/2010 24 55.0 60.0 375.0 37.1 0.60 ELECTRIC PUMPING.UNIT	Produced Date Tested Pr			duction BBL MCF		ИCF	BBL Co		. API	API Gravity		11 1		•			
Choke Tbg. Press. Csg. 24 Hr. Oil Gas Water Gas:Oil Well Status BUREAU UP LAND WHAT ACCEPTAGE.	08/09/2010 Choke	08/12/2010 Tbg. Press.	Csg.	24 Hr.	55.0 Oil			375 Water			Wall			DEAH	OF I A	NO MANACEM	ENT
Size Flwg. 70 Press. Rate BBL MCF BBL Ratio Size Size Flwg. 70 Press. Size BBL MCF BBL Ratio Size Plwg. 70 Press. Press	Size	Flwg. 70	Press.		BBL	N	ACF	BBL	Ratio		- 1			CARL	SBAD	FIELD OFFICE	

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #91357 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
*** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

28b. Proc	luction - Inte	rval C				.,							
Date First Produced	Test Date	Hours. Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	<u></u>			
hoke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas:Oil	Well Status					
ize	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio .						
28c. Proc	luction - Inte	rval D			<u> </u>								
Pate First roduced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method				
hoke ize	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status					
	si osition of Ga	s(Sold, used	for fuel, ver	nted, etc.)				<u></u>					
SOL 30 Sumi	nary of Poro	os Zones (la	sclude Aquif	erc):				121	Formation (Log) Ma	rivare			
Show tests,	all importar	t zones of i	orosity and	contents ther	reof: Core ne tool ope	d intervals an en, flowing ar	d all drill-stem nd shut-in pressur	╽.	, comanion (Bog)				
	Formation		Тор	Bottom		Descripti	ons, Contents, etc	c.	Name Me				
ATES QUEEN			1175 2709		s	OLOMITE 8			YATES 11 QUEEN 27				
SAN AND			3471 4919		S	AND & DOL			SAN ANDRES GLORIETA	3471 4919			
			4972 6529			OLOMITE	ANHYDRITE		YESO TUBB		4972 6529		
					-								
				•	İ								
	•				-		,				}		
					-		•				1		
70 AJJ:	Mineral manifestant	· · · · · · · · ·									<u> </u>		
	tional remark Fracture, 1				continue	d							
	- 6140 ACI - 6140 Fra					ıwa sand, 33	3,782# 16/30 Su	per LC.					
	- 6410 ACI - 6410 FR/				16/30 O	ttawa sand,	37,619# 16/30	Super LC.					
33. Circl	e enclosed at	tachments:		<u> </u>	1								
Electrical/Mechanical Logs (1 full set req'd.) Sundry Notice for plugging and cement verification					1	 Geologi Core Ar 	•		3. DST Report 4. Directional Survey 7 Other:				
3. 50	mary Notice	tor pluggin	g and cemen	t verification	•	o, cole Ai	iatysis	/ Other	•	•			
34. There	by certify th	at the foreg							able records (see att	ached instructi	ons):		
				Fo	r COG O	PERATING	LLC, sent to th	ell Information e Carlsbad	•				
Name	e(please prir	u) KANICI			ior proce	ssing by CH		on 08/18/2010 (19 PREPARER	UCIVIKU500SE)				
Signa	ature	(Electro	nic Submiss	sion)			Date (08/18/2010					
Signa		(2.0000	Jubiliis				Date C	1012010					
			· · · · · · · · · · · · · · · · · · ·						ully to make to any				

Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0135 Expires: July 31, 2010

5. Lease Serial No.

SUNDRY Do not use the		NMLCU29419A 6. If Indian, Allottee or Tribe Name							
abandoned we	II. Use form 3160-3 (AP	D) for such p	roposals.						
SUBMIT IN TRI		7. If Unit or CA/Agreement, Name and/or No. NMNM71030X							
1. Type of Well		8. Well Name and No.	7						
Oil Well Gas Well Oth		KANICIA CA			SKELLY UNIT 987				
Name of Operator COG OPERATING LLC		9. API Well No. 30-015-36497-00-S1							
3a. Address 550 WEST TEXAS AVENUE MIDLAND, TX 79701-4287	e)	10. Field and Pool, or Exploratory FREN							
4. Location of Well (Footage, Sec., 7		11. County or Parish, and State							
Sec 22 T17S R31E SWNE Lo 32.82231 N Lat, 103.85585 V					EDDY COUNTY, NM				
12. CHECK APP	ROPRIATE BOX(ES) TO	O INDICATE	NATURE OF	NOTICE, RE	EPORT, OR OTHE	R DATA			
TYPE OF SUBMISSION			ТҮРЕ О	F ACTION					
N-4' CI	Acidize	□ Dee	oen	☐ Producti	ion (Start/Resume)	☐ Water Shut-Off			
□ Notice of Intent	Alter Casing		ture Treat	☐ Reclama		☐ Well Integrity			
Subsequent Report Subsequent Re	Casing Repair	☐ New Construction /		☐ Recomp	lete	Other Drilling Operations			
☐ Final Abandonment Notice	Change Plans	Plug and Abandor		Tempora	arily Abandon	Drilling Operations			
•	Convert to Injection	□ Plug	Back	□ Water D	☐ Water Disposal				
If the proposal is to deepen direction Attach the Bond under which the wo following completion of the involved testing has been completed. Final A determined that the site is ready for 7/22/10 Test 5-1/2 csg 3500p 7/27/10 Perf Lower Blinebry (7/28/10 Acidize w/3,500 gals 16/30 Super LC. Set comp pl w/3,500 gals acid. Frac w/ 11 Set comp plug @ 5900. Perf acid. Frac w/114,374 gals gel 5130. Perf Paddock @ 4980 gel, 114,708# 16/30 Ottawa s 8/2/10 Drill out plugs. Clean c 8/3/10 RIH w/196jts 2-7/8" J5 8/4/10 RIH w/ 2-1/2x2-1/4x24	ork will be performed or provided beneficial inspection. If the operation resonand on ment Notices shall be fixed in the fixed beneficial inspection.) si, ok. 6210 - 6410 w/1 SPF, 2 acid. Frac w/115,967 galling 6170. Perf Middle E2,403 gals gel, 143,282# Upper Blinebry 65670 - 146,116# 16/30 Ottawa - 5090 w/1 SPF, 19 holes and, 13,482# 16/30 Super to PBTD 6578. 56.5# tbg, SN 6186. pump. Hang on well.	e the Bond No. or sults in a multipled only after all 26 holes. s gel, 146,343 Blinebry @ 59 16/30 Ottawa 5870 w/ 1 SP sand,30,5744 s. Acidize w/2 er LC.	# 16/30 Ottawa # 16/30 Ottawa #0 - 6140 w/1 S sand, 33,782# F, 26 holes. Ac £ 16/30 Super L 500 gals acid.	A. Required sulcompletion in a riding reclamation in sand, 37,61: PF, 26 holes 16/30 Superidize w/3,500 C. Set comperac w/99,73	9# . Acidize LC. gals plug @ 4 gals	e filed within 30 days 60-4 shall be filed once			
	Electronic Submission	#91359 verified OPERATING LI	by the BLM We	II Information Carlsbad	System				
Cor Name (Printed/Typed) KANICIA		LC, sent to the Carlsbad HERYLE RYAN on 08/18/2010 (10CMR0567SE) Title PREPARER							
Name (Frimed/Typed) KANICIA	CARRILLO		THE PREPA						
Signature (Electronic	Submission)		Date 08/18/2	2010					
	THIS SPACE F	OR FEDERA	L OR STATE	OFFICE US	SE				
Approved By ACCEPT	ED		ROGER HALL TitlePETROLEUM ENGINEER Date						
Conditions of approval, if any, are attachertify that the applicant holds legal or ecwhich would entitle the applicant to cond	uitable title to those rights in the	Office Carlsbad							

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.