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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG
•

WELL COMPLETION OR RECOMPLETION REPORT AND LOG									5. Lease Serial No. NMLC028731A							
1a. Type of	Well 🔯	Oil Well	Gas	Well		ry 🗖	Other	-			1	6. If Inc	lian, Alle	ottee or	Tribe Nan	ne
b. Type of	f Completion	⊠ Ne Other	ew Well	□ Wo	ork Ove	er D	Deepen	□ ^{PI}	ug Back	□ Diff. R	Resvr	7. Unit NMI	or CA A NM1117	greeme '89X	ent Name a	nd No.
2. Name of COG C	Operator PERATING	LLC	E	-Mail:	oaaroi	Contact. n@conch	NETHA .	AARON ces.com	1				e Name a		II No UNIT 644	
3. Address	550 WES MIDLAND			SUITE	1300				No. (include 118-2319	e area code)	9. API	Well No.		5-38640-0	00-S1
At surfa	ce SWNE	2 T17S R2 2583FNI reported be 22 T17S	29E Mer NI _ 2310FEL low R29E Mer	MP NMP	cordan	ice with F	ederal req	uiremer	nts)*		}	GR/ II. See or A I2. Cou	rea Security or P	JAC M., or 22 T	13. Sta	Survey Mer NMP
74. Date S 05/29/2	pudded	NE 23041	15. D	ate T.D /05/20		hed		$\Box D$	ate Complete & A /28/2011	ed Ready to P	Prod.	EDI 17. Ele	vations (DF, KE 53 GL	NM B, RT, GL)	
18. Total L	Oepth:	MD TVD	4557 4557		19.	Plug Back	T.D.:	MD TVD	45		20. Deptl	h Bridge	Plug Se		MD IVD	
21. Type E THREE	Tectric & Oth DETLITHO	er Mechan	ical Logs R	un (Sul AY	bmit co	opy of each	n)		45	22. Was was l	 well cored? DST run? tional Surv	121	No i	Yes Yes	(Submit and (Submi	nalysis)
23. Casing a	nd Liner Reco	ord (Repo	rt all strings	set in	well)							<u>, </u>		<u> </u>	<u>` </u>	
Hole Size	Size/G	rade	Wt. (#/ft.)	Top (MD)		Bottom (MD)	1 ~	Cement Depth		f Sks. & of Cement	Slurry V (BBL		Cement Top*		Amount Pulled	
17.500 13.375 H-40		75 H-40	48.0		0	30)4			650				0		
11.000		325 J-55	24.0		0	85				600	600			0		
7.875 5.500 J		00 J-55	17.0	<u> </u>	0	455	52			900				RE	CEI	IER
							+			····	 		+	Λ1		VED
							İ						1		4 1 8 /	2011
24. Tubing		(D) D	1 - D - 4	(A 4D)	1 6		-1 C - (1	45)	<u> </u>	1 (115)			IN	40c	D. AD	Elizary.
Size 2.875	Depth Set (N	1D) Pa 4446	cker Depth	(MD)	Sız	ze De	pth Set (I	ир)	Packer Dep	oth (MD)	Size	Depth	Set (MI)) -	Packer Be	TAKE
25. Produci		1440]			ــــــــــــــــــــــــــــــــــــــ		6. Perfor	ation Re	cord							
	ormation		Тор	T	Bot	tom	F	Perforate	d Interval		Size	No.	Holes	<u> </u>	Perf Stat	us
A)	PADD	оск	4290		4490			404		045 TO 4220		.000		26 OPEN, Paddock		k
B)								, 4290		O 4490	1.000			OPE	OPEN, Paddock	
C)																-
D)	racture, Treat	ment Cen	ent Squeeze	Etc.		i					1			<u> </u>		000
	Depth Interva		- J	-, LIC.		•			Amount and	Type of M				$\frac{\Gamma \cap \Gamma}{\Gamma}$		ORD
	<u> </u>		20 ACIDIZE	D W/3	000 GA	LS 15% H	CL			Type of N	Tarenta A	//	<u> </u>	1 01	1 1 1 1 1 1 1 1	1
	_							5/30 WH	ITE SAND,	18,174# 16/	30 SIBERPI	ROP				
	42	90 TO 44	90 ACIDIZE	D W/3	500 GA	LS 15% H	CL			-			ALIC	1.3	2011	
28 Product	42 ion - Interval		90 FRAC W	//119,2	02 GAL	S GEL, 14	4,199# 16	5/30 WH	ITE SAND, 2	28,202# 16/	30 SIBERPI	RØP (7 - 1			<u> </u>
Date First	Test	Hours	Test	Oil		Jas	Water	Oil	Gravity	Gas	Pr	oduction	doctor/	~05		<u> </u>
Produced 06/30/2011	Date 07/06/2011	Tested 24	Production	BBL 153		иСF 185 0	BBL 565.0	- 1	т. АРІ 37.6	Gravity	0.60 3	UREAL	LOE LA	NBW	IANAGEN PINGHNI	<u>I</u> ENT
Choke	Tbg Press	Csg	24 Hr	Oil	 	Gas	Water	Gas	·Oil	Well St	atus	CAR	ESBYE	FIFT"	O OFFICE	·
isze	Flwg 70 SI	Piess 70.0	Rate	BBL 15		MCF 185	BBL 565	Rat	1()		ow.					
28a. Produc	tion - Interva			1,0												
Date First	Test	Hours	Test	Oil		Gas 400	Water		Gravity	Gas		oduction I	Method			
Produced	Date	Tested	Production	BBL		ИCF	BBL	Сот	r API	Gravity			RF	T.A	MAT	ION
Choke Size	Tbg Press Flwg SI	Csg Press.	24 Hr Rate	Oil BBL		Gas MCF	Water BBL	Gas Rat	o.Oil	Well St	latus	DUE 12.28-11				

Size	
Size Property Property Production Interval D	
Fine Profession Interval D	
28c. Production Interval D Dispersor Test Test Test Test Test Test Test Test	
Due Fire Test Tes	
Chief Page Prov. Ch. S. H. Ok. BRIL. Go. Water Rule. Go. Ol Rule. Rule. Stew Free Page 1. D. Chief Page 1. D	
Prop. Rate Ball. MCF Ball. Rate Rate Pall. MCF Ball. Rate Rate Pall. MCF Ball. Rate Pall. Rate Pall. P	
SOLD 30. Summary of Porous Zones (Include Aquifers): 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 recoveres. Formation Top Bottom Descriptions, Contents, etc. Name VATES SAN ANDRES 4481 DOLOMITE & SAND SAN ANDRES GLORIETA 3938 SAN ANDRES GLORIETA 3993 DOLOMITE & ANHYDRITE GLORIETA YESO 3993 DOLOMITE & ANHYDRITE GLORIETA YESO 3993 3993 DOLOMITE & ANHYDRITE GLORIETA YESO 3993 SAND & DOLOMITE & ANHYDRITE GLORIETA YESO 3908 3908 SAND & DOLOMITE & ANHYDRITE GLORIETA YESO 3908 31. Formation (Log) Markers Name VATES SAN ANDRES GLORIETA YESO 3993 3993 SAND & DOLOMITE & ANHYDRITE GLORIETA YESO 3993 SAND & DOLOMITE & ANHYDRITE GLORIETA YESO 3994 30. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 5. Sundry Notice for plugging and ement verification 6. Core Analysis 7. Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submissional #14665 Verificed by the BLM Well Information System. For Cold O'PERATING L.C., sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on #8/10/2911 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
30. Summary of Porous Zones (Include Aquifers): Show all important zones of porosty 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 recoveres. Formation Top Bottom Descriptions, Contents, etc. Name VATES SAN ANDRES 286 DOLOMITE & SAND DOLOMITE & SAND SOLOMITE & SAND SOLOMITE & SAND SOLOMITE & SAND ANDRES GLORIETA 3938 GLORIETA 3993 DOLOMITE & ANHYDRITE SAN ANDRES GLORIETA YESO 3. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #11466S Verified by the BLM Well Information System. For COG OPERATING LLE, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Title AUTHORIZED REPRESENTATIVE	
tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveres. Formation Top Bottom Descriptions, Contents, etc. Name YATES SAN ANDRES SAN ANDRES SAN ANDRES GLORIETA S838 GLORIETA S838 DOLOMITE & ANHYDRITE SAN ANDRES GLORIETA S989 32. Additional remarks (include plugging procedure): LOGS WILL BE MAILED 33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction of the Carlshad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name (please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
YATES SAN ANDES SAN ANDES SAN ANDES SAN ANDES SAN ANDES GLORIETA 3938 3993 3993 300 300 300 300 300 300 300 3	
SAN ANDRES GLORIETA 3938 3938 DOLOMITE SAND & DOLOMITE GLORIETA YESO 32. Additional remarks (include plugging procedure): LOGS WILL BE MAILED 33. Circle enclosed attachments: 1. Electroal/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Direction: 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction) Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (1IKMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	Top Meas. Deptl
3393 SAND & DOLOMITE WANHYDRITE GLORIETA YESO 3993 SAND & DOLOMITE & ANHYDRITE GLORIETA YESO 32. Additional remarks (include plugging procedure): LOGS WILL BE MAILED 33. Circle enclosed attachments: 1. Electroal/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Direction: 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction) Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (1IKMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	886
33. Circle enclosed attachments: 1. Electroal/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directions 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	2481 3938
33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directions 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	3993
33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directions 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directions 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directions 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directions 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directions 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directions 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directions 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directions 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directions 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directions 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directions 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	·
33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directions 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	1
33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directional Sundry Notice for plugging and cement verification 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directions 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name (please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directions 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name (please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directions 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name (please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directions 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name (please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4 Directions 5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name (please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
5 Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	onal Survey
Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
Electronic Submission #114665 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name (please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	ions):
Committed to AFMSS for processing by KURT SIMMONS on 08/10/2011 (11KMS2291SE) Name(please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	
•	
•	
Signature (Electronic Submission) Date 08/05/2011	
Signature (Electronic Colonics on)	
\cdot	
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 ago of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.	agency