Form 3160-4 (August 2007)

## UNITED STATES DEPARTMENT OF THE INTERIOR

OCD Artesia

FORM APPROVED OMB No 1004-0137

/			BUREAU				GEMEN							Expir	res July	31, 2010	
WELL COMPLETION OR RECOMPLETION REPORT AND LOG													5. Lease Serial No. NMLC028784B				
la Type of	f Well 🛛	Oil Well	☐ Gas \	Well .		ry [	Other						6 lf l	ndian, Allo	ottee or	Tribe Na	me
b. Type of Completion New Well Work Over Deepen Plug Back Diff Resvr.  Other												svr.	7. Unit or CA Agreement Name and No. NMNM88525X				
Name of Operator Contact: CHASITY JACKSON     COG OPERATING LLC E-Mail: cjackson@concho.com												8 Lease Name and Well No. BURCH KEELY UNIT 548					
	550 WES MIDLAND	), <b>TX</b> 797	701				Ph	ı: 432 <u>,</u> -68	lo. (include 36-3087	****	4	7		l Well No.	30-01	5-39442-	
4. Location	of Well (Re	port locati	ion clearly an	d in ac	cordan	ice with l	Federal red	quirement I	s)*	o land	/ L		10. F BI	ield and Po JRCH KE	ool, or I FLY-C	Explorator	y A-UPPER YES
	ice Lot 1								APR	12	201	2	11. S	ec , T., R.,	M., or	Block and	
	orod interval : depth Lot	•		1 440F	NL 46	OFVVL			IMOCI	D AR	TE	SIA	12 C	County or P		13. St	ate
14. Date S 01/21/2	pudded		15. D	ate T.D. /27/20		hed		116. Dat	e Complete	ed			17. E	levations ( 364	DF, KE 18 GL	3, RT, GL	)*
18 Total L	Depth.	MD TVD	4683 4683		19. Plug Back T.D.			D & A Ready to Prod. 02/13/2012  MD 4634 20. TVD 4634			,	Depth Bridge Plug Set: MD TVD					
21. Type E	lectric & Otl			un (Sub	mit co	opy of ea	ch)	TVD	40	1 22 W	as w	ell cored?		No No	n Yes	(Submit a	inalysis)
	lectric & Oth ENSATEDN nd Liner Rec		_							Wa Du	as Di recti	ST run? onal Surv	ey?	No No No	Yes Yes	(Submit a	inalysis) inalysis)
				To		Bottor	n Stage	Cemente	rl No o	of Sks &		Slurry V		<del></del>			
Hole Size	Size/G		Wt. (#/ft.)	(M	D)	(MD)	) ]	Depth		of Cemen	ıt	(BBL		Cement 7		Amou	nt Pulled
17.500	<del></del>	375 H-40 625 J-55	48.0 24.0		0 308						500		0				
7.875		500 J-55	17.0			0 1053 0 4683					00			0			
7.010									<u> </u>							<u>.</u>	
24 Tubing	Record					o .			<u> </u>				l				
<del></del>	Depth Set (N	(D) P	acker Depth	(MD)	Siz	ze D	epth Set (	<u> </u>	Packer Der	nth (MD)	īT	Size	Dei	oth Set (M	<u>D) T</u>	Packer De	epth (MD)
2.875		4588		( )		<u> </u>	,			(	+		~,		-		<u> </u>
25. Produci	ng Intervals						26. Perfo	ration Rec	cord								
	ormation			Тор				Perforated Interval					-	No. Holes Perf. Status			
A)	PADE	OCK		4270		4520			4270 T	O 4520		0.25	9	26	OPE	N, Paddo	<u></u>
B)				$\dashv$			<u>.</u>			.,—	-		╁				
D)		-+											╁	<del></del> -	<del> </del>		
	racture, Treat	tment, Cer	ment Squeeze	Etc.											L		<del></del>
	Depth Interv					,		Α	mount and	d Type of	f Ma	terial					
·····			520 ACIDIZE					C/OO DDA	DV CAND	04.000#	40/0	O CIDEDE	DOD				
	42	270 10 4	520 FRAC V	7145,17	4 GAL	.3 GEL, 2		0/30 BRA	DT SAND,	24,022#	10/31	USIBERF		ECL	AM	ATIC	TN .
									<del></del> .				1)	TIE	クーノ	7-6	<u>&gt;</u>
28. Product	ion - Interval	A				·····							-13				
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL		Gas MCF	Water BBL		Gravity API	Gas Gra		P	roductio	on Method			
02/14/2012	02/26/2012	24		76		54 0	101	- 1	39 8		0.6	60 0	) L- h	ELECTR	IC PUN	IPING UN	T and
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL		Gas MCF	Water BBL	Gas		Wei	ll Stat	<sup>µs</sup> AU	JET.	TEI	FIII	T RFI	TIRIT
	SI	70 0		76	ľ	54	10		711		PC	w					7
28a. Produc	ction - Interva	al B															
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL		Gas MCF	Water BBL		Pravity API	Gas Gra	vity	P	roductio	on APH	7	2012	
Choke	Tbg Press	Csg	24 Hr	Oil		Gas	Water	Gas		Wel	l Stat	us	+	La	n	6	+
Size	Flwg Si	Press	Rate	BBL	ľ	MCF	BBL	Ratio	)			KI	IREA	UOFIA	ND M	ANAGEN	AFNT
(See Instruct	tions and spa	ices for ad	ditional data	on rev	erse si	ide)	AWELL	INIEOD	A ATLONIO	WOTE :	_		CA			OFFICE	

Formation I Ion I Bottom I Descriptions Contents etc. I Name I	280 Prod	luction - Inter	val C	····			<del> =</del>					
Size   Five   Pers   Date											Production Method	
Due Piete   Test   Te		Flwg					Water BBL		w	'ell Status	l	
Date   Press   Column   Production   Bill   MCF   Bill   Corr Art   Operation   Column   Co	28c. Prod	luction - Inter	val D		<u> </u>	l	<u></u>					
Pine   Rate   Pine   Rate   Rate   State   Pine   Rate   Pine   Pi											Production Method	
29. Disposition of Gas/Sold, used for fuel, vented, etc.) Sol.D  30. Summary of Porous Zones (include Aquifers).  31. Formation (Log) Markers  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  To  Mess  RUSTLER  1123  SANDSTONE  PATES  1123  SANDSTONE  QUEEN  2015  SAN ANDRES  2700  DOLOMITE & LIMESTONE  SAN ANDRES  2770  GLORIETA  4138  SANDSTONE BANDSTONE GLORIETA  4241  DOLOMITE & ANHYDRITE  YESO  4241  DOLOMITE & ANHYDRITE  1. Electrical/Mechanical Logs (I full set req'd.)  5. Sundry Notice for plugging and cement verification  6. Core Analysis  7. Other.  31. Formation (Log) Markers  32. Formation (Log) Markers  13. Formation (Log) Markers  14. Formation (Log) Markers  15. Formation (Log) Markers  16. Analysis  17. Formation (Log) Markers  18. Formation (Log) Markers  18. Formation (Log) Markers  19. Analysis (Log) Markers  19. Analysis (Log) Markers  10. Analysis  10. Analysis  10. Analysis  10. Analysis  11. Electrical/Mechanical Logs (I full set req'd.)  10. Sundry Notice for plugging and cement verification  10. Core Analysis  10. Core Analysis  10. Dolomited to Affect the BLM Well Information System.  For COG OPERATING LLC, sent to the Carbabad  Committed to AFMSS for processing by DEBORAII MCKINNEY on 03/28/2012 (12DLM0887SE)  Name (please print) CHASITY JACKSON  Title PREPARER		Flwg							W	ell Status	L	
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 Towns and Forecoveres.  Formation Top Bottom Descriptions, Contents, etc. Name Towns and Forecoveres.  RUSTLER 263 RANDSTONE YATES 1123 SANDSTONE 2015 SANDSTONE 2015 SANDSTONE 2015 SANDSTONE 2016 SAN ANDRES 2700 DOLOMITE & LIMESTONE SAN ANDRES 270 SAN ANDRES 2700 SAN ANDRES 2700 SAN ANDSTONE GLORIETA 4138 SANDSTONE GLORIETA 4241 PESO 4241 DOLOMITE & ANHYDRITE YESO 422  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. Directional Surver 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 instructions).  Electronic Submission #133872 Verified by the BLM Well Information System.  For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by DEBORAH INCKINNEY on 33:28:2012 (12DLM0857SE)  Name (please print) CHASITY JACKSON  Title PREPARER			(Sold, used	for fuel, ven	ted, etc.)	]		<b>_</b>				
Formation   Top   Bottom   Descriptions, Contents, etc.   Name   Meas	Show tests,	all important	t zones of r	orosity and c	ontents there	eof: Cored e tool oper	intervals and	l all drill-stem d shut-ın press	sures	31. For	mation (Log) Markers	
VATES QUEEN QUEEN QUEEN 2015 SANANDRES 2700 SANANDRES 2700 DOLOMITE & LIMESTONE SANANDRES 2700 S		Formation		Тор	Bottom		Description	ons, Contents,	etc.		Name	Top Meas Depth
1. Electrical/Mechanical Logs (1 full set req'd.)  2. Geologic Report  3. DST Report  4. Directional Surve  5. Sundry Notice for plugging and cement verification  6. Core Analysis  7. Other.  3. At 1 hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions).  Electronic Submission #133872 Verified by the BLM Well Information System.  For COG OPERATING LLC, sent to the Carlsbad  Committed to AFMSS for processing by DEBORAH MCKINNEY on 03/28/2012 (12DLM0857SE)  Name (please print) CHASITY JACKSON  Title PREPARER	YATES QUEEN SAN AND GLORIET YESO	DRES		1123 2015 2700 4138 4241	edure)·	SA SA DC SA	ANDSTONE ANDSTONE DLOMITE & ANDSTONE	NDSTONE NDSTONE & DOLOMITE LOMITE & LIMESTONE NDSTONE			YATES QUEEN SAN ANDRES GLORIETA	
1. Electrical/Mechanical Logs (1 full set req'd.)  2. Geologic Report  3. DST Report  4. Directional Surve  5. Sundry Notice for plugging and cement verification  6. Core Analysis  7. Other.  3. At 1 hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions).  Electronic Submission #133872 Verified by the BLM Well Information System.  For COG OPERATING LLC, sent to the Carlsbad  Committed to AFMSS for processing by DEBORAH MCKINNEY on 03/28/2012 (12DLM0857SE)  Name (please print) CHASITY JACKSON  Title PREPARER	22 Circle	e enclosed att	achments:				areau.		-			
Electronic Submission #133872 Verified by the BLM Well Information System.  For COG OPERATING LLC, sent to the Carlsbad  Committed to AFMSS for processing by DEBORAH MCKINNEY on 03/28/2012 (12DLM0857SE)  Name (please print) CHASITY JACKSON  Title PREPARER	1. El	ectrical/Mech	nanical Log	•	• ′		_	-			port 4. Dir	rectional Survey
	•		Co	Election Electron	ronic Subm For AFMSS for	ission #133 COG OP	3872 Verifie ERATING	d by the BLM LLC, sent to RAH MCKIN	1 Well Info the Carls NEY on 03	ormation Sy bad 3/28/2012 (1	stem.	tructions).
Signature (Electronic Submission) Date 03/26/2012										<u>-</u>		
	Signa	iture	(Electro	nic Submiss	ion)			Date	03/26/20	)12		