Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

MAR 1 3 2017

Artestasta district

CONSERVATION

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

WELL COMPLETION OR RE	COMPLETION	DEDODT AND	LOG

	WELL	COMPL	E HON C	JK KEUU	MPLEI	ION RI	=PORI	AND L	.OG	İ		se Senai N ILC02873			
la. Type o		Oil Well		_		Other	-	REC	EIVED	1	6. If In	dian, Allo	ttee or	Tribe Name	
b. Type o	f Completion	_	r	□ Work O	ver 📙	Deepen ———	Plug	g Back	☐ Diff. F			or CA Ag		nt Name and N	э.
2. Name of COG C	Operator OPERATING	LLC	E	-Mail: kcas			CASTIL	LO				se Name a		l No. UNIT 921H	
3. Address	600 W ILI MIDLANE	INOIS A	VENUE				Phone No.: 432-68		area code)		Well No.		5-42995-00-S	 1
4. Location	of Well (Re			nd in accorda	nce with F							ld and Po	ol, or E	xploratory	
At surfa	ice NESE	1650FSI	200FEL 3	2.831709 N	Lat, 104.	036995 V	V Lon			-				A-UPPER YE	
At top p	orod interval	reported b	elow NES	SE 1762FSI	330FEL					<u> </u>	or A	Area Sec	14 T1	7S R29E Mer	NMP
At total	depth NW	/SW 1666	SFSL 141F\	NL							ED	unty or Pa DY	rish	13. State NM	
14. Date S ₁ 10/17/2	oudded 2016			ate T.D. Rea 0/29/2016	ched		□ D &	Complete A 🔀 3/2016	ed Ready to P	rod.	17. Ele		F, KB 0 GL	, RT, GL)*	
18. Total D	Depth:	MD TVD	9612 4876		Plug Bacl	(T.D.:	MD TVD	96 48		20. Dept	h Bridg	e Plug Set		ID VD	
	lectric & Oth	ner Mecha	nical Logs R	un (Submit o	copy of eac	h)			22. Was	well cored?	· 🗵	No [] Yes	(Submit analysi	is)
CN									Direc	DST run? tional Surv	rey? 🏻	No [Submit analysi Submit analysi	
23. Casing a	nd Liner Rec	ord (Repo	ort all strings	T											
Hole Size	Size/G	rade	Wt. (#/ft.)	Top (MD)	Botton (MD)	_	Cementer Depth		f Sks. & f Cement	Slurry V (BBL		Cement T	op*	Amount Pull	ed
17.500	13.	375 J-55	54.5) 3	15			950				0		
12.250	 	625 J-55	40.0		+				450	 			0		
8.750 8.750		000 L-80 000 L-80	29.0 17.0	+	+				2200				0 4187		
	3.0	300 L-60	17.0	4107	50	00			2200	<u> </u>			+107		
24. Tubing Size		<u>m n</u>	acker Depth	(MD) 6	ina I D	meth Cas (1	(m) n	l D	als (MD)	C:	Dona	1. C -+ (N/D	\	to alson Danals (A	(D)
2.875	Depth Set (N	4912	acker Depin	(MID) S	ize De	pth Set (I	VID) P	acker Dep	otn (MD)	Size	_ Бері	h Set (MD	<u>') </u>	acker Depth (N	(עוו
25. Produci						26. Perfor	ation Reco	ord							
	ormation		Тор		ottom	F	erforated			Size		. Holes		Perf. Status	
A)		/ESO		5152	9592			5152 T	0 9592	0.43	9	1008	<u> OPEN</u>	- Yeso	
B) C)											+			····	
D)						7100					1				
	racture, Treat	tment, Cer	nent Squeez	e, Etc.											
	Depth Interv		100 40007	E 141/ 407 400	450/ 40/5	FD4011			Type of M		040.04				
	51	152 10 98	92 ACIDIZI	E W/ 107,422	15% ACID	, FRAC W	/ 627,269	GALS TRE	EATED WA	TER, 6,679	,218 GA	ALS SLICK	WAIL	к,	—
28. Product	ion - Interval	Hours	Test	Oil	Gas	Water	Oil Gr	avity	Gas	I P	roduction	Method			
Produced 12/16/2016	Date 12/19/2016	Tested 24	Production	BBL 480.0	MCF 642.0	BBL 2131.	Согт. А		Gravity				UMP S	UB-SURFACE	
hoke	Tbg. Press.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:O Ratio		Well S					~	The
Size	Flwg. SI	70.0		480	642	. 2131		1337	P	POW					W
	tion - Interva	·	-1_	T		1								y	_
Date First Produced	Test Date	Hours Tested	Production	Oil BBL	Gas MCF	Water BBL	Oil Gr Corr. A		GA(CCEP"	DED DED	FOR	RE(CORD	
Thoke lize	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oıl BBL	Gas MCF	Water BBL	Gas:O Ratio	il	Well S	tatus		1 6 20			
	L				<u> </u>										

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #363206 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
*** BLM REVISED ** BLM REVISED ** BLM REVISED **
BLM REVISED ** BLM REVISED **

Date First Produced Date Tested Production Date Tested Production BBL. MCF BBL Corr. API Gas Gravity Production Method Choke Tbg. Press. Csg. Press. Rate BBL MCF BBL Gas Water BBL Ratio 28c. Production - Interval D Date First Tested Production Date First Produced Date Tested Production BBL MCF BBL Gas Water Gravity Ratio Tog. Press. Rate BBL MCF BBL Gas Water Gravity Ratio Well Status Production Method Gravity Gravity Well Status Tested Production Method Production Method Gravity Gravity Gravity Gravity Gravity Gravity Date First Test Hours Tested Production BBL MCF BBL Corr. API Gravity Gravity Choke Tbg. Press. Csg. 24 Hr. Oil Gas Water BBL Gas Oil Ratio Well Status Size Fivg. Press. Rate BBL MCF BBL Ratio Water Gas Oil Ratio Well Status 29. Disposition of Gas (Sold, used for fuel. vented, etc.) 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 recoveries.	28h Proc	luction - Interv	21 C										
Chair Size July Protect Size July Size Jul				Test	Oil	Gas	Water	Oil Gravity	Gas		Production Method		···
Pietro P	Produced	Date	Tested	Production	BBL.	MCF			Gra				
Due Find The		Flwg.							We	ll Status			
Date Trace Production BIC DCT BIG Com APT Growny	28c. Proc	luction - Interv	al D				.1	l					
Proc. Proc. Proc. State BBL NOT BBL Ratio Scale													
Sollo 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 recovering the contents for the core intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recovering the contents, etc. Formation Top Bottom Descriptions, Contents, etc. Name Top Meas. I RUSTLER 274 1908 2301 SANDSTONE SOLDOMITE QUEEN 1908 SANDSTONE SOLDOMITE QUEEN QUEEN 1908 SANDSTONE GAN-BURG GAN		Flwg.							Wei	II Status			
Show all important zones of processity and contents thereof: Cored intervals and all drill-stern tens, 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. I RUSTLER 274 1908 QUEEN 1908 2301 SANDSTONE GRAYBURG 2301 SANDSTONE SANDSTONE GRAYBURG 2301 SANDSTONE GRAYBURG			Sold, used	for fuel, vent	ed, etc.)			<u> </u>	i				
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 Meas. I RUSTLER 274 1908 2301 SANDSTONE DOLOMITE OUEEN 274 QUEEN 2301 2596 SANDSTONE & DOLOMITE OUEEN 2930 SANDSTONE & LIMESTONE OR SAYBURG 2301 SANDSTONE & LIMESTONE & LIMESTONE OR SAYBURG 2301 SANDSTONE & LIMESTONE OR SAYBURG 2301 SANDSTONE & LIMESTONE OR SAYBURG 2301 SANDSTONE & LIMESTONE & LIMESTONE OR SAYBURG 2301 SANDSTONE & LIMESTONE OR SAYBURG 2301 SANDSTONE & LIMESTONE OR SAYBURG 2301 SANDSTONE & LIMESTONE & LIMESTONE & LIMESTONE OR SAYBURG 2301 SANDSTONE & LIMESTONE & LIMESTONE & LIMESTONE OR SAYBURG 2301 SANDSTONE & LIMESTONE & LIM	30. Sumr	nary of Porous	Zones (In	clude Aquife	rs):					31. For	mation (Log) Marl	ters	
Formation Top Bottom Descriptions, Contents, etc. Name Meas. I RUSTLER 274 1908 2301 2996 ANDSTONE QUEEN 1908 GRAYBURG 2301 2996 SANDSTONE SANDSTONE GRAYBURG 230 SAN ANDRES 2596 AU82 DOLOMITE & LIMESTONE GRAYBURG 230 SAN ANDRES 2596 AU82 DOLOMITE & ANN-YDRITE PADDOCK 408 BLINEBRY 4582 9512 DOLOMITE & ANN-YDRITE PADDOCK 408 BLINEBRY 5152 9512 OLUGHTE & ANN-YDRITE BLINEBRY 4599 VESO 5152 9592 OLUGHTE & ANN-YDRITE BLINEBRY 4599 VESO 101/GAS/WATER 3. DST Report 4. Directional Survey 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (I 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 #363206 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carisbad Committed to AFMSS for processing by DEBORAH HAMO m 01/30/2017 (17DMH0073SE) Name (please print) KANICIA CASTILLO Title PREPARER	tests,	including dept							es				
QUEEN 1908 2301 2596 4082 5ANDSTONE & DOLOMITE GRAYBURG 2301 2596 4082 DOLOMITE & LIMESTONE & SAN ANDRES 259 5ANDSTONE & NOTICE & ANHYDRITE & LIMESTONE & SAN ANDRES 259 5ANDRES 259 5ANDR		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 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 #363206 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by DEBORAH HAM on 01/30/2017 (17DMH0073SE) Name (please print) KANICIA CASTILLO Title PREPARER	QUEEN 1908 2301 GRAYBURG 2301 2596 SAN ANDRES 2596 4082 PADDOCK 4082 4582 BLINEBRY 4582 9612 YESO 5152 9592						NDSTONE LOMITE & LOMITE & LOMITE &	& DOLOMITE LIMESTONE ANHYDRITE ANHYDRITE		QU GR SA PA	QUEEN GRAYBURG SAN ANDRES PADDOCK		
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Electronic Submission #363206 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by DEBORAH HAM on 01/30/2017 (17DMH0073SE) Name (please print) KANICIA CASTILLO Title PREPARER	5. Su	ındry Notice fo	r plugging	and cement	verification	1	6. Core Ana	ılysis	7	Other:			
	34. I here	eby certify that		Electi	onic Submi For	ission #3632 COG OPE	206 Verified ERATING 1	l by the BLM W LLC, sent to the	ell Infor Carlsba	mation Sys	stem.	ed instructio	ns):
Signature (Electronic Submission) Date 01/08/2017	Name	e(please print)	KANICIA	CASTILLO	<u></u>		<u>. </u>	Title P	REPARI	ER			
	Signa	iture	(Electron	ic Submissi	on)			Date <u>0</u>	1/08/201	7	,		
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	Title 18 I	J.S.C. Section	1001 and 7	Fitle 43 U.S.	C. Section 1	212, make i	t a crime for	any person knov	vingly an	d willfully	to make to any den	artment or ac	rencv