Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OCD- Artesia

FORM APPROVED OMB No 1004-0137 Expires July 34, 2010

BUREAU OF LAND MANAGEMENT											Expires July 31, 2010						
WELL COMPLETION OR RECOMPLETION REPORT AND LOG												5. Lease Serial No. NMLC049998A					
la Type of	Well 🔯	Oil Well	☐ Gas V	Vell 🔲	Dry [Other				Ţ,	6. If	Indian, Al	lottee o	r Tribe Nan	ne		
b Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr. Other										esvr.	7 Unit or CA Agreement Name and No						
2 Name of COG OF	Operator PERATING	LLC	E-	-Mail. oaard			A AARON urces com					ase Name					
3. Address	550 WES MIDLAND	TEXAS , TX 797	AVENUE S	SUITE 100			Ba Phone No Ph: 432-81 8		area code)	1	9. Al	PI Well No		15- 39130 -	00-S1		
4 Location	of Well (Rep	ort locatio	on clearly an	d in accorda	nce with	Federal	requirements)*			10 F	ield and I	ool, or	Exploratory	/		
Sec 17 T17S R31E Mer NMP At surface SWNE Lot G 1715FNL 2310FEL										CEDAR LAKÉ II Sec., T, R., M, or Block and Survey or Area Sec 17 T17S R31E Mer NMF							
At top pr At total o	od interval r	eported be	elow							-	12. C	County or DDY		13. Sta	ate		
14. Date Sp	•		1 15 Da	ite T D Rea	ched		I 16 Date	Complete	ed				OF K	B. RT, GL)			
09/16/20	011			/23/2011			□ D & 10/2	A 0/2011	Ready to P	rod.		37	737 GL				
18 Total De	•	MD TVD	63 2 1 63 2 1		Plug Ba		MD TVD	628 628	82	20 Dept				MD 1 VD			
21. Type Ele COMPN	ectric & Oth IEUTRONH	er Mechar INGS CC	nical Logs Ru L	un (Submit d	copy of e	ach)			Was I	well cored? DST run? tional Surv	ev?	No No No No	⊢ T Ye	s (Submit a s (Submit a s (Submit a	nalvsis)		
23. Casing an	d Liner Reco	ord (Repo	rt all strings	set in well)					Blice	tional Sulv	- · ·	<u> </u>	<u> </u>	3 (Subinit a			
Hole Size	Sıze/Gı		Wt (#/st)	Top (MD)	Botto (MI		ge Cementer Depth		f Sks &	Slurry V (BBL		Cement	Тор*	Amoun	t Pulled		
17.500	13.3	75 H-40	48 0	C	─ `	371	•		500	``			0				
11.000	8 6	25 J-55	32.0	C	1	810		60			E	ンロク	<u></u>	FN	1		
7 875	5.5	00 L-80	17.0	C	6	316			1000	1	ı,	1	· 0	A public entire.	<u> </u>		
							Ac	cepte	ed for	reco	4	MOA	20	2.11			
								A NI	₿₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽	1000					1		
24 Tubing	Record				<u></u>		/	MIAI	U E 3U	<u> </u>	N	MOCI	O AF	TESIA	<u> </u>		
	Depth Set (M	1D) Pa	acker Depth ((MD) S	ıze	Depth Se	t (MD) F	acker Det	oth (MD)	Size	De	pth Set (N	ИD)	Packer De	pth (MD)		
2 875 25 Producir		5916	<u></u>		L.	L 24 Dom	foration Reco										
	rmation	r	Тор	l n	ottom	20. PEI	Perforated			Sıze	1.	No. Holes		Perf Sta	tue		
A)		ÉSO	<u> </u>	4790	6020	<u> </u>	renorated	4790 T	O 4990	1 00	—		6 OPE	N. Paddoo			
B)						<u> </u>	·	5230 T		1.00				N, Upper I			
C)								5500 TO 5700 1 0			000 26 OPEN, Middle			Blinebry			
D)							5770 TO 6020 1.					000 26 OPEN, Lower Blinebry					
27. Acid, Fr			nent Squeeze	e, etc.					I Toma of N	(atamal		•					
L	Depth Interva		990 ACIDIZE	D W/3000 G	SALS 15%	HCL	A	mount and	I Type of M	тацегтат							
							# 16/30 BRA	OY SAND,	9,507# 16/3	0 CRC	RE	CLA	NI/	TION	1		
			430 ACIDIZE								DI	JE	4-2	0-10	₹		
400			430 FRAC W	V/195,889 G/	ALS GEL	181,789	# 16/30 WHIT	E SAND, 2	29,728# 16/	30 CRC							
28 Producti	on - Interval	Hours	Test	Oil	Gas	Water	Oil G	rauty	Gas	Īī	Product	ion Method					
Produced	Date	Tested	Production	BBL	MCF	BBL	Corr	API	Gravity	y	Toudet						
10/26/2011 Choke	10/30/2011 Tbg Press	Csg	24 Hr	61 0 Oıl	101 0 Gas	Water	21 0 Gas (36 8	Well S	0.60				MPING UNI			
Size		Press.	Rate	BBL 61	MCF 101	BBL	Ratio		F)Et	'IED	FO.	R REC	CORD		
28a Produc							<u> </u>								<u> </u>		
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil G Corr		Gas Gravity		roduct	NOV	25	2011			
Choke Size	Tbg Press Flwg	Csg Press	24 Hi Rate	Oil. BBL	Gas MCF	Water BBL	Gas C Ratio		Well S	tatus		4 ls	n	9			
/C /	SI			<u></u>						BU	REA	U OF 1.	ND M	ANAGEM	FNT		
(See Instruction ELECTRON	NIC SUBMI	SSION #1	123700 VER	IFIED BY	THE BL	M WEL	L INFORM M REVIS	ATIONS ED ** B	SYSTEM SLM REV		CAI	RLSBAD	FIFL) DEFICE			

RUSTLER	28b. Proc	luction - Inter	val C											
The Pers Column Process Column Process Production Process Production Productio						NCF	BBL			ity	Production Method			
28c Production - Interval D Date First Test Test Production of Sex Pends of the Control of Sex Production of Sex Pends of			Csg Press			Gas	Water		Well	Status				
Due Frei Test Production Des Production Relation (Discovery) Production Relation	20a Drov	_	7/2l D		<u> </u>	<u> </u>		<u></u>						
Date Treated Date Treated Production BBL Date Dat				Tort	Tot	Con	Water	TOT Constitution	16		Dead at a Mathed			
1 1 20 20 20 20 20 20										ity	Production Method			
29. Disposition of Gas/Sold, used for fuel, wented, etc.) SOLD SOLD 30. Summary of Porous Zones (include Aquifers) 33. Summary of Porous Zones (include Aquifers) 34. Summary of Porous Zones (include Aquifers) 35. 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 Total Additional remarks (include plugging procedure) 44. ACRISTLER 1540 DOLOMITE TANSILL 1428 VATES 1540 DOLOMITE SAN ANDRES 1316 GLORIETA 4652 DOLOMITE SAN ANDRES 1316 GLORIETA 4652 DOLOMITE SAN ANDRES 1316 GLORIETA 4774 SAND & DOLOMITE SAND & DOLOMITE SAND &		Flwg							Well	Status				
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 Formation Top Bottom Descriptions, Contents, etc Name Top Meas RUSTLER 1297 ANHYDRITE TANSILL 1428 DOLOMITE SAND YATES 1540 DOLOMITE & SAND YATES 1540 SAN ANDRES 31560 SAND GLORIETA 4662 DOLOMITE & ANHYDRITE SAN ANDRES 3160 SAND GLORIETA 4774 SAND & DOLOMITE & ANHYDRITE GLORIETA 4672 SAND & DOLOMITE & SAND YATES 1540 SAND & DOLOMITE & SAND YATES 15500-5700 Fractive M3500 gals 15% HCL. 5500-5700 Fractive M3500 gals 15% HCL. 5570-6020 Frac w125,707gals gel, 143,704# 16/30 White sand, 31. Circle enclosed attachments 1. Electrical/Mechanical Logs (I full set reg'd.) 2. Geologic Report 3. DST Report 4. Directional Survice 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 Submissions #123700 Verified by the BLM Well information System. For COG OFFACT INCELLE Seet to the Carbon System. For COG OFFACT INCELLE Seet to the Carbon System. For COG OFFACT INCELLE Seet to the Carbon System. For COG OFFACT INCELES TO SEET TO S		osition of Gas	(Sold, used	for fuel, ver	ited, etc.)	1								
Show all important zones of percenty and contents thereof. Cored intervals and all drill-stem tens, including depth interval tested, cushron used, time tool open, flowing and shut-in pressures and recoverss Formation Top Bottom Descriptions, Contents, etc Name To Meas RUSTLER 297 TANSILL 1428 DOLOMITE TANSILL 1428 DOLOMITE SAND VATES 1540 SAN ANDRES 3160 SAND SAND SAND SAND SAND SAND SAND SAND			ıs Zones (Iı	nclude Aquif	ers)					131. Fo	rmation (Log) Ma	rkers		
Formation 10p Bottom Descriptions, Contents, etc Name Meas RUSTLER 297 TANSILL 1428 TANSILL 1428 VATES 1540 DOLOMITE SAND YATES 15 SAN ANDRES 3160 SAN ANDRES 3160 SAND SAND SAND SAND SAND SAND SAND SAND	tests.	including de	t zones of p pth interva	oorosity and a tested, cush	contents then ion used, tin	reof Core	d intervals and en, flowing and	all drill-stem shut-in pressur	res					
TANSILL 1428 1540 1		Formation		Тор	Bottom		Descriptions, Contents, etc						Top Meas Depth	
47,571# 16/30 SiberProp 5770 - 6020 Acidized w/3500 gals 15% HCL. 5770 - 6020 Frac w/125,707gals gel, 143,704# 16/30 White sand, 33. Circle enclosed attachments 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: 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 #123700 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 11/21/2011 (12KMS0381SE) Name (please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	TANSILL YATES SAN ANG GLORIET YESO 32 Addi 44 A	tional remark Acid, Fractur	e, Treatm	1428 1540 3160 4662 4774	t Squeeze, 6 HCL.	etc CON	OOLOMITE & S SAND DOLOMITE & S SAND SAND & DOLC OOLOMITE & A SAND & DOLC OOLOMITE & A SAND & DOLC	ANHYDRITE		TA YA SA Gl	NNSILL ATES AN ANDRES LORIETA		297 1428 1540 3160 4662 4774	
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. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions) Electronic Submission #123700 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 11/21/2011 (12KMS0381SE) Name (please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	47 ,5 57 70 57 70	71# 16/30 S) - 6020 Acid) - 6020 Frad	iberProp dized w/35 c w/125,70	00 gals 15%	6 HCL.		·							
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 #123700 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 11/21/2011 (12KMS0381SE) Name (please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE				re (1 full cet	reald)		2 Gaalages	Deport		DOT D	nort	4 Dimontin	nol Curvey	
Electronic Submission #123700 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 11/21/2011 (12KMS0381SE) Name (please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE			_			ı	ě	•			гроп	4 Directio	nai Survey	
For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 11/21/2011 (12KMS0381SE) Name (please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE	34. I here	by certify the	at the foreg									ached instructi	ons)·	
Name (please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE		•			Fo	r C OG 0	PERATING L	LC, sent to th	ie Carlsba	d				
Signature (Electronic Submission) Date 11/21/2011	Nam	e (please prin	netha			p. 000					,	Ξ	·	
	Signa	ature	(Electro	nic Submis	sion)			Date <u>´</u>	Date 11/21/2011					
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		 =	1001	(RS', (, , , , , , , , , , , , , , , , , ,		1212			1					

Additional data for transaction #123700 that would not fit on the form

32. Additional remarks, continued

30,942# 16/30 SiberProp

LOGS WILL BE MAILED