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 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Produced 08/07/2011 Date 08/08/2011 24 Production BBL MCF BBL 378 0 S8 9 Green API 06 CAFLSBAD FIELD OFFICE 06 0 60 CAFLSBAD FIELD OFFICE 06 CAFLSBAD FIELD		WELL (	COMPL	ETION C	R RE	СОМ	PLETIO	N RI	EPOR	T AND	LOG				ase Serial I MLC0287			
Other						_	_	her	***		<u></u>		1	5. If	Indian, Alle	ottee or	Tribe Name	
COG OPERATING LLC											vr.							
3. Address   580 WEST LEXAS AVENUE SUITE 1300   3. Phone No. (include area code)   9. AFI Well No. MILLAND, TX 19701			LLC		-Mail· k									8 Le	ease Name	and Wel	II No NIT 694	_
At surface   Sec 25 1717S R29E Mer MMP   At total depth   At total depth   NENWY 650FNL 1984FWL		550 WES	TTEXAS	AVENUE :				3a.	Phone	No. (includ	le area co	de)		_				-S1
At top prod interval proposed below At top prod interval proposed below At top prod interval proposed below At total depth NENW 656FNL 1984FWL  14. Date Speaked O7/07/2011  15. Date T.D. Reached O7/07/2011  16. Date Completed O7/07/2011  17. Elevations (OF, KB, RT, GL)* S598 GL  18. Total Depth: TVD 4824 TVD 4780  20. Depth Bridge Pig Set. MD TVD Was DST runs? Was	4. Location					ordance	with Fede	ral rec	uiremen	ts)*								
At total depth NELWW 659FNL 1984FWL  14. Date Spudded O7701/2011		ce NENW	/ 660FNL	_2332FWL	VII								` <b> </b>	11. 5	Sec., T, R,	M., or 1	Block and Si	irvey
14. Date Spundled		Sec	: 25 T178	S R29E Mer									$\vdash$					
07/10/2011   07/10/2011   0 D & A Seedy to Prod.   3598 GL   359		•	W 659F			Dancha	a .		II6 Do	ta Comple	tod					מע מת		
18. Total Depth: ND	07/01/2			07		1			□ <sub>08/</sub>	& A 06/2011	Ready t	o Proc	1.		359	98 GL	, KI, GL)	
CNL	18. Total D	epth:			·	19. Pl	ug Back T	D.:	MD	4	780 <sup>—</sup>	20	0. Dept	n Bri	dge Plug Se			
Hole Size   Size/Grade   Wt. (#/ft   Top   Bottom   CMD   Depth   Type of Cement   No. of Sks. & Sturry Vol. (BBL)   Cement Top*   Amount Pulled   Type of Cement   Type of Ce		lectric & Oth	er Mecha	nical Logs R	un (Sub	mit cop	y of each)				W	as DS	T run?	ey <sup>9</sup>	No No No No	T Yes	(Submit ana	lysis)
17.500   13.375 H-40	23. Casing a	nd Liner Rec	ord (Repo	ort all strings	set in w	vell)												
11.000	·	Hole Size Size/Grade		Wt. (#/ft )	(#/tt ) ! ·				~						Cement Top*		Amount Pulled	
7.875   5.500 J-55   17.0   0   4824   900   0   0										4						<del></del>	<del></del>	
24. Tubing Record					+					+								
Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)   Packer Depth (MD)	7.070	1		. ,,,,,	<b></b>	┪				+						<del>-  </del>		
Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)   Packer Depth (MD)																		
Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)   Packer Depth (MD)	24 Tubing	Pecord	_															
2.875   4706   25. Producing Intervals   26. Perforation Record   Size   No. Holes   Perf. Status   A)   PADDOCK   4350   4686   4350 TO 4686   0.410   29   OPEN, Paddock   B)			(D)   P	acker Denth	(MD)	Size	Depti	Set (	MD) T	Packer De	enth (MD	<u> </u>	Size	De	nth Set (M	D)   E	Packer Denth	(MD)
Formation					()					- donor B		<del>-</del>			par ser (m	-/-	action 2 option	(2)
A) PADDOCK 4350 4686 4350 TO 4686 0.410 29 OPEN, Paddock  B) C) D) 27. Acid, Fracture, Treatment, Cement Squeeze, Etc.  Depth Interval  4350 TO 4686 ACIDIZED W/ 3,000 GALS 15% ACID.  4350 TO 4686 FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEDP. 3 2011  28. Production - Interval A  Date First Produced OB/07/2011 08/08/2011 24 Test Date Date Test Date Date Date First Produced OB/07/2011 08/08/2011 24 Test Date Date Date Date Date Date Date Dat	25. Produci	ng Intervals					26.	Perfor	ation Re	cord								
Depth Interval   Amount and Type of Material   Amount and Type of Material   A350 TO 4686   ACIDIZED W/ 3,000 GALS 15%   ACID.   A350 TO 4686   FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEOP. 3 2011   A350 TO 4686   FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEOP. 3 2011   A350 TO 4686   FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEOP. 3 2011   A350 TO 4686   FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEOP. 3 2011   A350 TO 4686   FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEOP. 3 2011   A350 TO 4686   FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEOP. 3 2011   A350 TO 4686   FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEOP. 3 2011   A350 TO 4686   FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEOP. 3 2011   A350 TO 4686   FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEOP. 3 2011   A350 TO 4686   FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEOP. 3 2011   A350 TO 4686   FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEOP. 3 2011   A350 TO 4686   FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEOP. 3 2011   A350 TO 4686   FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEOP. 3 2011   A350 TO 4686   FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEOP. 3 2011   A350 TO 4686   FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEOP. 3 2011   A350 TO 4686   FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEOP. 3 2011   A350 TO 4686   FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEOP. 3 2011   A350 TO 4686   FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEOP. 3 2011   A350 TO 4686   A350				Тор				1	Perforate			—		+				
C)   D)   A   C   DT   D   DT   DD		PADL	OCK		4350		4686			4350	TO 4686	<u> </u>	0.41	)	29	OPEN	, Paddock	
Depth Interval Amount and Type of Material  4350 TO 4686 ACIDIZED W/ 3,000 GALS 15% ACID.  4350 TO 4686 FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERPEROP. 3 2011  28. Production - Interval A  Date First Date Date Tested Production BBL MCF BBL Corr API Off Crivilly CAFTLSBAD ELECTRIC PUMPING UNIT  Choke Tbg Press Cg Press First BBL MCF BBL Ratio  Size Five Press Size Five BBL All 61 378 POW Test Dut Gas BBL Ratio  28. Production - Interval A Double Gas BBL Ratio  Amount and Type of Material  Amount and Type of Material  Gas BURZA Production/ANAGEWENT  Grivilly CAFTLSBAD ELECTRIC PUMPING UNIT  Well Status  POW 288 Production - Interval B														+				
Depth Interval   Amount and Type of Material   As50 TO 4686   ACIDIZED W/ 3,000 GALS 15% ACID.   As50 TO 4686   FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGEOP. 3 2011   Assertion										<del> </del>	A	20	rnr	1 - L	ΓΛΩ	DE	CODD	
4350 TO 4686 ACIDIZED W/ 3,000 GALS 15% ACID.  4350 TO 4686 FRAC W/ 183,119 GALS GEL, 212,250# 16/30 BRADY SAND, 24, 80# 16/30 SIBERGED.  28. Production - Interval A  Date First Test Hours Tested Production BBL MCF BBL Corr API Gravity Corr API O6/08/07/2011 08/08/2011 24 - 41.0 61.0 378.0 38.9 Gas Water Gals Oil Gravity Corr API O6/08/2011 08/08/2011 24 - 41.0 61.0 378.0 Water BBL Ratio  28a Production - Interval B  Date First Test Hours Test Oil Gas Water BBL Ratio  28a Production - Interval B  Date First Test Oil Gas Water BBL Ratio  28 Production - Interval B  Date First Test Oil Gas Water BBL Gas Oil Ratio  28 Production - Interval B	27. Acid, Fi	acture, Treat	ment, Ce	ment Squeeze	e, Etc.													
28. Production - Interval A  28. Production - Interval A  Date First Produced Date Date Tested Production BBL MCF BBL Corr API 06/07/2011 08/08/2011 24 - 41.0 61.0 378.0 38.9 Gas Water BBL Ratio  Choke First Press Size Five Press Size Five Press Size Five Production - Interval B  28. Production - Interval A  Water BBL Corr API Gravity Corr API 0.0 Gas Water BBL Ratio  A1.0 61.0 378.0 Water Gas Oil Ratio  POW Well Status POW Method Production Press Press Size Five Press Size										Amount ar	id Type o	f Mate	erial					ļ
28. Production - Interval A  Date First Date Production Date Date Date Date Date Production Date Date Date Date Date Date Date Date									16/20 BD	ADV CANE	24 1904	16/20	PIDED	B (NC	2 0			
Date First Test Hours Test Oil Gas Water Oil Gravity Corr API Gravity Corr		. 40	00 10 4	080 11170 1	¥7 100,1	19 UALC	GLL, 212,	250# 1	10/30 DI1	ADT SAIVE	7, 24, 100%	10/30	PIBELL	PP	<del>32(</del>	т —	<del>                                     </del>	
Date First Test Hours Test Oil Gas Water Oil Gravity Corr API Gravity Corr				<del></del>									1_/	1	, s		<del> </del>	
Producted	28. Product	ion - Interval	À						-			/		<u> </u>		11105		
Choke Tbg Press Csg 24 Hr Oil Gas Water BBL ACF BBL Ratio  28a Production - Interval B  Due First Test Oil Gas Water BBL Ratio  1	Date First Produced 08/07/2011	Date	Tested		BBL	МС	CF B	BL	Cor	r API		vity	CAFL					
28a Production - Interval B	Choke Size	Flwg			BBL		CF B	BL	Rat		Wo		,,	.:			1.00	\$4. ************************************
Date First Test Hours Test Oil Gas Water BBL Oil Gravits Gravits  Choke Telegy Press Rate BBL MCF BBL Gas Oil Ration Five Press Size Size Size Size Size Size Size Size	28a Produc		al B	1	<u> </u>					//	f'c	<u> </u>	_					
Choke Tbg Press, Csg 24 Hr Oil Gas Water Cas Oil Water Cas Oil Raturo Size Flwg Press Rate BBL MCF BB Raturo Cas Oil Raturo Cas Oil Raturo Cas Oil Cas									Oil	ENY	Ga Gr		P			N/I A	TIAN	
	Choke Size	Flwg						B	Gas Rat C	Oil <b>7</b>	ALE WA	310	<b>)</b>	18	UE	1VIA 2-6	-/2	-

28b. Prodi	uction - Inter	val C									
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Meth	od	
Produced	Date	Tested	Production	BBL	MCF	BBL	Corr API	Gravity			
Choke Size	Tbg Press Flwg	Csg . Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Stat	us		
nic.	SI	1.0.5			,		T. C.	•		•	
28c. Produ	uction - Inter	val D		<u> </u>	I			<b>I</b>			
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Meth	od	
Produced	Date	Tested	Production	BBL	MCF	BBL	Corr API	Gravity			
Choke Size	Tbg Press Flwg	Csg Press.	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well State	us		
	SI			1							
	Sition of Gas FURED	Sold, used	l for fuel, ven	ted, etc )				•			
30. Summ	nary of Porou	s Zones (In	iclude Aquife	ers):					31. Formation (Log)	Markers	
tests, i			oorosity and c tested, cushi				all drill-stem shut-ın pressure	s			
	Formation		Тор	Bottom		Description	ns, Contents, etc.		Nam	Тор	
	- Omation		<u> </u>		<u> </u>	-				Meas. Dept	
YATES SAN AND	RES		1020 2707		SA	)LOMITÉ & : ND			TOP SALT YATES	493 1020	
GLORIETA	Ά	l	4232			LOMITE & A	ANHYDRITE		QUEEN	2707 4232	
YESO			4300		SA	ND & DOLC	JIVII I E		SAN ANDRES GLORIETA		
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32 Additi	ional remarks	(include p	olugging proc	edure):							
		( P	888 F	,							
33 Circle	enclosed atta	achmente.									
			o (1 f11+	vald )		2 Cooles	Danam	2 5	ST Donord	4 Di	
		_	s (1 full set re	•		2. Geologic	•		ST Report	4. Directional Survey	
5. Sur	ndry Notice f	or pluggin	g and cement	verification		6. Core Ana	lysis	7 Ot	her:		
					,					•	
34. I herel	by certify tha	t the forego	oing and attac	hed informa	ition is con	plete and cor	rect as determine	ed from all av	vailable records (see	attached instructions):	
			Electr	onic Submi	ssion #116	303 Verified	by the BLM W	ell Informat	ion System.		
				For	COG OP	ERATING L	LC, sent to the	Carlsbad	•		
			Committed	to AFMSS 1	or process	ing by KUR			(11KMS2419SE)		
				)			Title Pl	REPARER			
. Name	(please print	) KANICIA	CANDILLC								
Name	(please print	) KANICIA	CANDILLO						• •	• •	
Name			nic Submiss			• ••	Date 08	3/29/2011	••	• •	