Form 3160-4 (April 2004)



UNITED STATES
DEPARTMENT OF THE INTERIOR TO BUREAU OF LAND MANAGEMENT

FORM APPROVED OMBNO 1004-0137 Expires March 31, 2007

1. Type of Well		WELL	COME	ᄓᄄ	ION O	R RE	COMPLET	ION	BEBUE	ΤΆΝΪ		•	n	<u>د ایر</u>			ch 31, 2007	
18. Type of Completion   Cylow Well   Work Over   Deepen   Deepe		***	CON		ION O	11 [16				Jist	-aiv	6(			Lease S	erial No	LC-029405A	
Description	la. Type of	Well 🗸	Oil We	i	Gas Well		Dry Dth	ег	12	11 11 10	Hopps	•		Å, 6.	If Indian	, Allottee o	or Tribe Name	
Address   Sog W. Texas, Subtle 1300 Mildland, TX 79701   Sa. Phone No. (reclude area code)   43. Address   559 W. Texas, Subtle 1300 Mildland, TX 79701   Sa. Phone No. (reclude area code)   9 AFF Well No. 30. 405-53164   10. Field and Pool. or Exploratory Will CCA 372-686-4332   10. Field and Pool. or Exploratory Will CCA 372-686-6332   10. Field and Pool. or Exploratory Will CCA 372-686-6332   10. Field and Pool. or Exploratory Will CCA 372-686-6332   10. Field and Pool. or Exploratory Will CCA 372-686-6332   10. Field and Pool. or Exploratory Will CCA 372-686-6332   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-643-6432   10. Field and Pool. or Exploratory Will CCA 372-643-6432   10. Field and Pool. or Exploratory Will CCA 372-643-6432   10. Field and Pool. or Exploratory Will CCA 372-643-6432   10. Field and Pool. or Exploratory Will CCA 372-643-6432   10. Field and Pool. or Exploratory Will CCA 372-643-6432   10. Field and Pool. or Exploratory Will CCA 372-643-6432   10. Field and Pool. or Exploratory Will CCA 372-643-6432   10. Field and Field No. or Fiel	b. Type of	Completion	r [	<b>√</b> Ne	w Well		Vork Over	Deepe	ո 🔀 Թև	g Back	□¶Ôif	f. R	esvr, .	υ/	Limit on	"A Agrage	ant Name and No	
Address   Sog W. Texas, Subtle 1300 Mildland, TX 79701   Sa. Phone No. (reclude area code)   43. Address   559 W. Texas, Subtle 1300 Mildland, TX 79701   Sa. Phone No. (reclude area code)   9 AFF Well No. 30. 405-53164   10. Field and Pool. or Exploratory Will CCA 372-686-4332   10. Field and Pool. or Exploratory Will CCA 372-686-6332   10. Field and Pool. or Exploratory Will CCA 372-686-6332   10. Field and Pool. or Exploratory Will CCA 372-686-6332   10. Field and Pool. or Exploratory Will CCA 372-686-6332   10. Field and Pool. or Exploratory Will CCA 372-686-6332   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-686-6432   10. Field and Pool. or Exploratory Will CCA 372-643-6432   10. Field and Pool. or Exploratory Will CCA 372-643-6432   10. Field and Pool. or Exploratory Will CCA 372-643-6432   10. Field and Pool. or Exploratory Will CCA 372-643-6432   10. Field and Pool. or Exploratory Will CCA 372-643-6432   10. Field and Pool. or Exploratory Will CCA 372-643-6432   10. Field and Pool. or Exploratory Will CCA 372-643-6432   10. Field and Pool. or Exploratory Will CCA 372-643-6432   10. Field and Field No. or Fiel													OC)	<u> </u>	Unitor	A Agreem	ient Name and 140.	
3 Affices SSB W. Texas, Suite 1380 Midland, TX 79701  3a Photon No. Include area code)  4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface 330 FNL & 310 FEL, Unit A  At top pod, interval reported below  At top pod, interval reported below  OCD-ARTESIA  10. Field and Post or Exploratory INTO COMPRESIA  11. Sec., T, R, M, on Block and Surray of Area Sec 35, T1S, B31E  12. Comported of No. 12, 12007  13. Date TD. Reached  16. Date Completed  0.601/22007  17. Date Spanded  0.601/22007  18. Total Depth MD  19. Plug Back TD. MD  TVD 6790*  17. Type Electric & Other Mechanical Lege Run (Submit copy of each)  TVD 6790*  20. Depth Bridge Plug Set. MD  TVD  TVD 6790*  21. Type Electric & Other Mechanical Lege Run (Submit copy of each)  TVD 6790*  22. Was well corord Type (Submit caport)  TVD 6790*  23. Cassing and Liner Record (Report all strings set in well)  Hole Stree Stree/Grade W. (wft). Top (MD)  Bottom (MD)  TVD 6712  24. Surface Circ 325  T11*  25. Stree/Grade W. (wft). Top (MD)  TVD 6713*  26. Following Record  27. Type Electric & Circ 325  Type 3.348  21. Tubing Record  Type 6713*  28. Tubing Record  Type 6713*  29. Perforation Record  Formation  Top Bottom  Feforated Interval  Stree  Formation  Feforated Interval  Free First Bottom  Feforated Interval  Stree  Formation  Feforated Interval  Free First Bottom  Feronation  Free First Bottom  Fre	2. Name of	f Operator	COG O	perati	ng LLC				. \	(2)	LLOL	98	36//	´				
4. Location of Well (Report locations clearly and in accordance with Federal requirements)*  4. Location of Well (Report locations clearly and in accordance with Federal requirements)*  At loop and a 330 FEL, Unit A  At top prod. interval reported below  OCD-ARTESIA  4. Location of Well (Report locations)  At top prod. interval reported below  OCD-ARTESIA  At total depth  4. Date Spudded  OF Dear To Reached  OF Dear To Reached  OF REAR RT, Cil.'s  OF REAR REAR REAR RT, Cil.'s  OF REAR REAR REAR REAR REAR REAR REAR REA	3 Address	550 131 5							3a Dh	ne No	(unclaida à	raci	code	- 9				
Alt total depth	J Audicss	550 W. T	rexas, Su	iite 13	00 Midia	nd, T	X 79701		I.			iieu	coue)					
At sourface 330 FNL & 330 FEL, Unit A At total depth  At total	4. Location	n of Well (F	Report loca	ation cl	early and	ın accı	ordance with F	ederal	requiremen	115)*				10.				lca:
At total depth	At surfa	100 331	FNI.&	330 E	FI IInit						በበ7			<u> </u>				
At total depth																		
At total depth	At top p	orod. Interva	птеропец	below										12	-			
19.   19.	At total	depth						•		****				-	•		;	
R. Total Depth	•			15. 1			ed							17.	Elevation			
TVD 6726  TVD 6716  TVD									D.	ķΑ		-				3972' (	ıL,	
22.   Was well cared?   No   Yes (Submit analysis)   Yes (Submit copy)   Yes (Submit	ia. Total D	•				19. Ph	•				20. De	epth	Budge P	riug Set:				
CN / HNGS, Micro CFL / HNGS																		
Directional Survey?   No   Nes (Submit copy)	Was DST pm? ZNo Tyes (Submit report)																	
Hole Size   Size/Grade   Wt. (#/ft.)   Top (MD)   Bottom (MD)   Stage Cementer   Depth   Cement   Type (Cement   (BBL)   Cement Top*   Amount Pulled   Type (Cement   Type (Cement   CBBL)   Cement Top*   Amount Pulled   Type (Cement   Type (Cement   CBBL)   Cement Top*   Amount Pulled   Type (Cement   Type (Ce		IN / HNGS Micro I'M / HNGS																
	23. Casing	and Liner			rt all stri	ngs se	et in well)	Ctoo	a Comente		C 01 0							
11"   8.5/8"   32#   2123'   850   Surface   Circ 180	Hole Size	Size/Grad	e Wt.	(#/ft.)	Top (M	ID)	Bottom (MD)	1 -	1			of Cement   Slurry Vo			Cement Top*		Amount Pulled	
7-7/8   5-1/2   17#   6713'   1325   Surface   Circ 188		<del> </del>	48#		643'				700						Surface		Circ 325	
A Tubing Record   Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)		<del> </del>						↓	<del></del>									
Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD	7-7/8	5-1/2	17#		6713'			┼──	1329						Surface		Circ 188	
Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD			_					┼──		<del> </del>		$\dashv$						•
Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD																		_
2 7/8"   6590'   26. Perforation Record   26. Perforation Record   27/96/100   27/96/100   28/96/100	24 Tubing	Record																•
26. Perforation Record   Formation   Top   Bottom   Perforated Interval   Size   No Holes   Perf. Status		<del></del>	Set (MD)	Packe	r Depth (N	MD)	Size	Dep	th Set (MD)	Packer	Depth (N	AD)	S	ize	Depth	Set (MD)	Packer Depth (MD)	-
Formation		<u> </u>	ls					26.	Perforati	n Recor	d		<b>_</b>				<u> </u>	-
B					Тор		Bottom	1					Size	No 1	loles	P	Perf. Status	•
C) D)  27. Acid, Fracture, Treatment, Cement Squeeze, etc.  Depth Interval  5812' - 6120'  2,500 gals acid, Frac w/95,945 gals gel, 8,000# Lite Prop, 89,920# 16/30 sand.  6264' - 6478'  28. Production - Interval A  Date First Test Production  Date First Test Production  Date First Test Production  Date First Test Production  BBL MCF BBL Con. API Gravity  Con. API Gravity  Pumping  Pumping  Test Production  The Press Size Flwg. Press Size Flwg. Press Size Flwg. Tested Production  BBL MCF BBL Gas/Oil Ratio  Production  Date First Test Hour Test BBL MCF BBL Gas Water Gas/Oil Gravity  Choke Tbg Press Csg 24 Hr. Fest Production BBL MCF BBL Corr API Gravity  Choke Tbg Press Csg 24 Hr. Gas BBL MCF BBL Corr API Gravity  Choke Tbg Press Csg 24 Hr. BBL MCF BBL Water Gas/Oil Gravity Gas Gravity  Choke Tbg Press Csg 24 Hr. BBL MCF BBL Corr API Gravity Gas Gravity  Choke Tbg Press Csg 24 Hr. BBL MCF BBL Water Gas/Oil Ratio Water BBL Water Gravity Water Gravity Production Method  Choke Tbg Press Csg 24 Hr. BBL MCF BBL Water Gas/Oil Well Status  Ratio Water Gas/Oil Well Status  Water Gas/Oil Well Status  Water Gas/Oil Well Status  Water BBL Water Gas/Oil Well Status		amar: Pad	ldock															-
D)  27. Acid, Fracture, Treatment, Cement Squeeze, etc.  Depth Interval  5812' - 6120'  2,500 gals acid, Frac w/95,945 gals gel, 8,000# Lite Prop, 89,920# 16/30 sand.  6264' - 6478'  28. Production - Interval A  Date First Test Hours Production BBL MCF BBL Con. API Gravity Gas Oravity Pumping  Choke Tbg Press. Csg 24 Hr. BBL MCF BBL Ratio  Date First Test Hours Flew, Production BBL MCF BBL Gravity Gas Gravity Production  Size Flwg. Press Csg 24 Hr. Oil Gas BBL MCF BBL Cor. API Gravity Gas Gravity Production Well Status  Rate BBL MCF BBL Cor. API Gravity Production Method  Production - Interval B  Date First Test Hours Frest BBL MCF BBL Cor. API Gravity Gas Gravity Production Method  Production - Interval B BBL MCF BBL Cor. API Gravity Gas Gravity Production Method  Production - Interval B BBL MCF BBL Cor. API Gravity Gas Gravity Production Method  Well Status  Rate BBL MCF BBL Gas Water Gas/Oil Gravity Gas Gravity Production Method  Choke Tbg Press Csg 24 Hr. Oil Gas BBL MCF BBL Water Ratio Well Status  Rate BBL MCF BBL Water Gas/Oil Well Status  Rate BBL MCF BBL Water Gas/Oil Well Status  Rate BBL MCF BBL Water Gas/Oil Well Status  Rate BBL MCF BBL Water Ratio						<del></del>	6264' - 6478'				1.5	SPF	PF 32		Open		-	
27. Acid, Fracture, Treatment, Cement Squeeze, etc.  Depth Interval  5812' - 6120'  2,500 gals acid, Frac w/95,945 gals gel, 8,000# Lite Prop, 89,920# 16/30 sand.  6264' - 6478'  2,500 gals acid, Frac w/95,416 gals gel, 8,000# Lite Prop, 90,440# 16/30 sand.  28. Production - Interval A  Date First Test Produced Date Tested Production BBL MCF BBL Corr. API Gravity  Choke Tbg Press. Csg State BBL MCF BBL Ratio  Production - Interval B  Date First Test Hours Production BBL MCF BBL Corr. API Gravity  Production - Production Method Pumping  28a. Production - Interval B  Date First Test Hours Production BBL MCF BBL Corr API Gravity  Production - Production Method Production						$\dashv$		+-										-
Sal 2' - 6120'   2,500 gals acid, Frac w/95,945 gals gel, 8,000# Lite Prop, 89,920# 16/30 sand.	<u> </u>	Fracture, Tre	eatment, C	ement :	Squeeze, e	tc.		<u> </u>	······································			_						<b>-</b> -
28. Production - Interval A  Date First   Test   Date   Tested   Date   Tested   Date   Tested   Date   Dat																		_
28. Production - Interval A  Date First Test Hours Test Produced Date Test Oil Gas Water BBL Corr. API Gravity  07/86/2007 07/07/2007 24  Choke Tbg Press Size Flwg. Si Test BBL MCF BBL MCF BBL Gas/Oil Ratio  Date First Test Hours Test BBL MCF BBL Gas Water BBL Gas/Oil Ratio  Date First Test Hours Test Hours Production BBL MCF BBL MCF BBL Water Gas/Oil Gravity  Choke Tbg Press Csg 24 Hr. Rate BBL MCF BBL Gas Gravity  Date First Test Hours Test Hours Production BBL MCF BBL Gas/Oil Gravity Gas Gravity  Choke Tbg Press Csg 24 Hr. Rate BBL MCF BBL Water Gas/Oil Gravity Gas Gravity  Well Status Production Method  Well Status Ratio  Water Gas/Oil Ratio Water Gas/Oil Ratio Water Gas/Oil Ratio Water Gas/Oil Ratio Water Ratio Ratio																		-
Date First Produced Date Tested Production BBL MCF BBL Corr. API Gravity Corr. API Gravity Pumping  Choke Tbg Press Size Flwg. Size Froduction Date First Production Date Tested Production BBL MCF BBL Corr. API Gravity Pumping  28a. Production - Interval B  Date First Produced Date Tested Production BBL MCF BBL MCF BBL MCF BBL MCF BBL MCF BBL MCF MCF BBL MCF		-201 - 04		$\overline{}$				,,500 g	, mio aciu, I	iac W/S	,,,10 gs	115	ges, o,vv	OF LIVE	110p, 90	, 10/ HUFF,	Jy sanu.	-
Date First Produced Date Tested Production BBL MCF BBL Corr. API Gravity Corr. API Gravity Pumping  Choke Tbg Press Size Flwg. Size Froduction Date First Production Date Tested Production BBL MCF BBL Corr. API Gravity Pumping  28a. Production - Interval B  Date First Produced Date Tested Production BBL MCF BBL MCF BBL MCF BBL MCF BBL MCF BBL MCF MCF BBL MCF												_						_
Produced Date Tested Production BBL MCF BBL Corr. API Gravity Pumping  Choke Tbg Press. Csg Flwg. Press SIze Production - Interval B  Date First Test Produced Date Tested Production BBL MCF BBL Gravity  Choke Tbg Press Csg Flwg. Press. Rate BBL MCF MCF BBL MCF				Test	Lou	<del></del>	Gas I v	Vater	0.10	ravity		9	10-	mheter	Method			-
Choke Size Flwg. Si	Produced	Date	Tested	Produ	ction BB	3L	1	BBL	Corr.	API			' i					
Size Flwg. Sl Press Rate BBL MCF BBL Ratio  28a. Production - Interval B  Date First Test Date Tested Production BBL MCF BBL MCF BBL Corr API Gravity  Choke Tbg Press Csg Press. Rate BBL MCF BBL Ratio  Choke Tbg Press Csg Press. Rate BBL MCF BBL Ratio  Water BBL Gas/Oil Ratio  Well Status		L		24 11-						nl	Wal	1 Ste		- umping				_
28a. Production - Interval B  Date First Test Hours Tested Production BBL MCF BBL Corr API Gas Gravity  Choke Tbg Press Csg Flwg. Press. Rate BBL BBL Ratio  Reserved First Test Hours Tested Production BBL Gas Water Gas/Oil Ratio  Water Gas/Oil Well Status	la de la companya de	Flwg.								-	""			Producin	2			
Date First Produced Date Tested Production BBL Gas Water BBL Corr API Gas Gravity  Choke Tbg Press Csg Flwg. Press. Si BBL Gas BBL Ratio  Choke Size Flwg. Si	28a Prod	L	erval R								Щ				<u>-</u>			_
Choke Tbg Press Csg Press. Rate BBL Gas Water BBL Gravity  Choke Tbg Press Csg Press. Si Press. Rate BBL Gas MCF BBL Ratio  Corr API Gravity  Gravity  Well Status	Date First	Test	Hours						Oil C	ravity			P	roduction	Method			-
Si Press. Rato BBL Ratio	Produced	Date	i ested	Produc	ction BE	BL.	MCF	BBL	Соп	API								
Size Flwg. Press. Rate BBL MCF BBL Ratio	Choke	Tbg Press	Csg	24 Hr	Oi	1	Gas	Water	Gas/0	nl	Well	Sta	tus					-
	) Size	Flwg.			BE	BL		BBL	Ratio				•					
	*(See ins	1 1	nd spaces	for add	ditional de	ita on	page 2)		i		L_							_

28b. Production - Interval C												
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method			
Choke Size Flwg. Si Csg. Press. Size Size Size Size Size Size Size Size												
28c. Produ	iction - Inte	rval D				<del></del>				· · · · · · · · · · · · · · · · · · ·		
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method			
Choke Size	lant lant											
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.												
Formation Top Bottom Descriptions, Contents, etc. Name Top Meas. Depth												
YATES 7 RIVER QUEEN GRAYB SAN AN GLORIN YESO	URG NDRES	2021 2381 2989 3396 3772 5255 5332										
32. Additional remarks (include plugging procedure):  33. Indicate which itmes have been attached by placing a check in the appropriate boxes:												
Sundry Notice for plugging and cement verification   Core Analysis   Other:												
34. I he	reby certify	that the fo	regoing and	attached in	formation is	complete and o	correct as determ	nined from all ava	ailable records (see attached ins	tructions)*		
Nam	e (please p	rint)	Kanicia	Carrillo			Title Ro	egulatory Anal	yst			
Sig	nature	<u></u>	<u></u>			>	Date	//19/2007				

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 of the United States any false, fictuious or fraudulent statements or representations as to any matter within its jurisdiction.