FORM 3160-4 (August 2007)

UNITED STATES ARTESIA DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

5. LEASE DESIGNATION AND SERIAL NO.

SHL: NM55929, BHL: NM117121

2008 W. Main Street																		
2. Name of Operating LLC		_					` =	_			Dear		6. IND	IAN A	LLOTT	EE OR TRIBI	E NAME	
COG Operating LLC	b. Type of Col	inpretion X		" [] W	OIKOVEI	. [есреп	F.IU.	д Баск		. Kesvi.		7. UNI	T AGR	EEME	NT	·	
Place No. (include area code) 2208 W. Main Street Artesia, NM 8820 575-748-6940 575-748-6940 575-748-6940 575-748-6940 575-748-6940 30-015-37682 30-015-3	2. Name of Ope	erator	•							•			8. FAF	RM OR	LEASI	NAME		
2028 W. Main Street Artesia, N.M. 88210 30-015-37682	COG	perating LL	C											Shov	vstop	per 19 Fed	deral #3	H
As tractice of will prove financian clearly and in accordance with Federal registrements)* As tractice 430° FSL & 430° FSL & 430° FEL, Unit P (SESE) 10. File D NAME 11. Series of will provide financial provided below 640° FSL & 430° FEL, Unit P (SESE) 11. Series of will provide financial form of the file of the f	3. Address 2208 W	V. Main Stree	et					3a.										
An influe										- / 40-0			10 511	- I D M		-013-3700		
11. SEC. T.R.M. OR BLOCK AND SHIFTEY			-				•	uremei	nts) +							ke: Rone S	Spring	SE
At top proof literary reported below 640° FSL & 445° FEL, Unit P (SESE)	, , ,												11. SE	C. T. R	, M., O	R BLOCK AN	ID SURVE	Y
14. Date Sprudded	At top prod. Inte	-						t P	(SESE)									E
18 Total Depth: MD	At total depth	309' FN	L & 420	0' FEL,	Unit .	A (NE	NE)							Ec	ldy		NM	
18	14. Date Spudo	ded 15.	Date T.I	D. Reached		16	. Date	Compl	. ·				17. ELEVATIONS (DF, RKB, RT, GR, etc.)*					
Type Electric & other Logs Run (Submit a copy of each) DLL, DSN								_ D (3'	GR	2940'	KB
DLL, DSN	18. Total Depth:	11113		19. F	Plug bac	k T.D.:					20.	Depth Bi	idge Plu	ıg Set:)		
DLL, DSN	21. Type El			bmit a copy	y of each	n)					22.	Was wel	cored?				(Submit an	alysis)
Directional Survey No X Yes (Submit copy)				DLL,	DSN	· [Was DS	Γrun?	_	_	Yes	(Submit re	port)
23. Casing and Liner Record (Report all strings set in well) Hole Size Size (Grade Wt. (#/ft.) Top (MD) Bottom(MD) Stage Cementer Depth Of Cement				,							느 느 느 느 그					ру)		
Hole Size Size Grade Wt. (#/ft.) Top (MD) Bottom(MD) Stage Cementer Depth No. of Sisk at Type Of Cement Off Sisk at Type Off	23. Casing:	and Liner Record	Report all	strings set	t in well))										<u> </u>		
12 1/4" 9 5/8" J55 36# 0 2712' 1050 sx 0 None						Bottom(MD		_			180		urry Vol. (Bbl) Cement Top		* Amou	int Pulled		
Tubing Record Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD	17 1/2"	13 3/8" H40	· · · · · · · · · · · · · · · · · · ·		00 sx				0	N	lone							
24. Tubing Record Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth Set (MD) Packer Depth (MD) Packer Depth Set (MD) Packer Depth (MD) Packer Depth Set (MD)	12 1/4"	9 5/8" J55	····		10)50 sx				0	N	lone						
Size	7 7/8"	5 1/2" N80	17	7#	0		1161	0'	6622	2'	1925	sx (TC	C @	1200'	-TS)	0	N	lone
Size	24 Tubin	D	<u></u>															
27/8" 6648' 6638' 26. Perforation Record Formation For	<u>~</u>	1	D) Pac	ker Depth ((MD)	Size		Depti	n Set (MD)	Packer	Depth (N	(ID)	Size		Depth	Set (MD)	Packer De	pth (MD)
Formation	2 7/8"				` 1				, ,					_				<u> </u>
A) Bone Spring 7271' 11525' 7271-11525' Open	25. Produci	ng Intervals						26.	Perforation F	Record								
B) C) D) 27. Acid_Fracture Treatment, Cement Squeeze, Etc. Depth Interval 7271-11525' Acdz w/55571 gal 15%; Frac w/4853598# sand & 4088767 gal fluid APH 3 2011 RECEIVED Amount and Type of Material 7271-11525' Acdz w/55571 gal 15%; Frac w/4853598# sand & 4088767 gal fluid APH 3 2011 RECEIVED BIJ FAIL OF LAND MANAGEMEN CARLSBAD FIELD OFFICE 28. Production-Interval A Date First Produced 2/28/11 3/20/11 24										Size		1	No. of I	Ioles				
22. Production-Interval A Date First Produced 2/28/11 3/20/11 24 Production Production Flexes Size Flexe Production-Interval B Date First Test Date Production-Interval B Date First Production-Interval B Date First Production-Interval B Date First Prod		Bone Spring		727	1'	1152	5'		7271-115	525'							Open	
228. Production- Interval A Date First Produced 2/28/11 3/20/11 24 Tested 2/28/11 3/20/11 3/				-				·					T A	()())	f 3	1 () 1 1	179 17	i i i i i i
Acdz w/55571 gal 15%; Frac w/4853598# sand & 4088767 gal fluid APH 3 ZÜİİ 7271-11525' Acdz w/55571 gal 15%; Frac w/4853598# sand & 4088767 gal fluid APH 3 ZÜİİ RIVFAII OF LAND MANAĞEMEN APR 1 1 ZÜİİ RIVFAII OF LAND MANAĞEMEN CARL SBAD FIELD OFFICE 28. Production- Interval A Date First Test Date Produced 2/28/11 3/20/11 24													1 11	UU	han I	Series 1	111 11	then had too i
Depth Interval 7271-11525' Acdz w/55571 gal 15%; Frac w/4853598# sand & 4088767 gal fluid APR 1 2011 BIJ/FAII OF LAND MANAGEMEN APR 1 2011 CARLSBAD FIELD OFFICE 28. Production- Interval A Date First Produced 2/28/11 3/20/11 24 Test Date 2/28/11 3/20/11 24 Test Date Production Test Date Production Test Date Production Test Date Production Test Date Production Test Date Production Test Date Production Test Date Production Test Date Production Test Date Production Test Date Production Test Date Production Test Date Test Dat		acture Treatment	Cement Sc	meeze Etc							/		+-					
7271-11525' Acdz w/55571 gal 15%; Frac w/4853598# sand & 4088767 gal fluid APH 3 ZUII RECLIVE RECLIVE APR 11 2011 APR 12 2011 APR 11 2011 BU FAIL OF LAND MANAGEMEN CARLSBAD FIELD OFFICE 28. Production-Interval A Date First Produced 2/28/11 3/20/11 24 778 960 2328 Choke Size Tbg. Press Csg Press. SI 620# 400# Test Oil Bbl Gas Water MCF Bbl Ratio Production-Interval B Date First Test Date Hours Test Oil Bbl Gas Water Gas: Oil Gravity Gas Production Method Producing Production Interval B Date First Test Date Hours Tested Production Bbl Gas Water Gas: Oil Gravity Gas Gravity Test Date Hours Tested Production Bbl Gas Water Gas: Oil Gravity Gas Gravity Choke Size Tbg. Press Csg 24 Hr. Rate Oil Bbl Gas Water Gas: Oil Well Status Production Method Production Method Gravity Gas Gravity Choke Size Tbg. Press Csg 24 Hr. Rate Oil Bbl Gas Water Gas: Oil Well Status		· · · · · · · · ·	1	quoeze, zee					P	Amount a	nd Type	of Materia	al		1			
APR 11 2011 APR 11 2011 BIJ FAIL OF LAND MANAGEMEN CARLSBAD FIELD OFFICE 28. Production-Interval A Date First Produced 2/28/11 3/20/11 24 Tested Production Production Bbl MCF BBl Corr. API Flowing Choke Size Tog. Press Flwg. Flwg. Flwg. S1 620# 400# 778 960 2328 Production-Interval B Date First Production Bbl AGS MCF Bbl Ratio Production Producing Production Producing Production Bbl AGS MCF Bbl Ratio Production Producing Production Producing Production Producing Production Producing Production Producing Production Producing Production Producing Production Producing Production Producing Production Producing Production Producing Production Producing Production Production Bbl AGS Mater Bbl Corr. API Gas Gas Production Method Production Production Production Production Production Bbl Corr. API Gas Oil Gravity Gas Gravity Production Method Well Status	72	71-11525'		Acdz w	/5557	71 gal 1	5%; F	rac v	v/4853598	8# sand	1 & 40	88767	gal fl	luid	1	APH 3	2011	i
APR 11 2011 APR 11 2011 APR 11 2011 BIJ/FAII OF LAND MANAGEMEN CARLSBAD FIELD OFFICE CARLSBAD FIELD OFFICE CARLSBAD FIELD OFFICE CARLSBAD FIELD OFFICE CARLSBAD FIELD OFFICE CARLSBAD FIELD OFFICE CARLSBAD FIELD OFFICE CARLSBAD FIELD OFFICE CARLSBAD FIELD OFFICE COTT. API Flowing Choke Size Tog. Press Flwg. Flwg. Flwg. Flwg. Flwg. Flwg. Frest. Flwg. Frest. Tog. Press. S1 620# 400# Tog. Press. Tog. Press. Tog. Press. Tog. Press. Tog. Press. Tog. Press. Tog. Press. Tog. Press. Tog. Press. Tog. Press. Tog. Press. Tog. Press. Tog. Press. Tog. Production Interval B Date First Production Tog. Production Tog. Production Method Production Tog. Press Tog. Production Method Production Tog. Production Method Production Method Production Method Production Method Tog. Production Method Production Me								F		~~ A\ /	barnel man				1			
APR 1 2011 CARLSBAD FIELD OFFICE 28. Production- Interval A Date First				_					IEUE				 	<		w		
Production		· · · · · · · · · · · · · · · · · · ·						\vdash	APR 1	1 20	911	-	\forall	BU				
Date First Produced 2/28/11 3/20/11 24	28. Product	ion- Interval A												/_	327.513			
2/28/11 3/20/11 24	Date First	Test Date	1					M				Gas		Produ	ction N	lethod		
Choke Size Tbg. Press Csg Press Press Press Adout Total Production Pr		3/20/11	1	Produc				50	1	Corr. Al	-1	Gravity				Flowi	ng	
Flwg. SI 620# 400# 778 960 2328 Ratio Producing 28a. Production- Interval B Date First Produced Test Date Production Bbl MCF Bbl Corr. API Gravity Gas Gravity Choke Size Tbg. Press Csg 24 Hr. Rate Oil Bbl Gas Water Gas: Oil Well Status	Choke Size	<u> </u>	+	24 Hr.	_			,0		Gas: Oil		Well St	atus			110111	-8	
28a. Production- Interval B Date First Test Date Hours Tested Production Bbl MCF Bbl Corr. API Gravity Choke Size Tbg. Press Csg 24 Hr. Rate Oil Bbl Gas Water Gas: Oil Well Status		Flwg.	Press.				MCF	60	Bbl	1						Producin	ıg	
Date First Produced Test Date Hours Test Dil Gas Water Oil Gravity Gas Production Method Production Bbl MCF Bbl Corr. API Gravity Choke Size Tbg. Press Csg 24 Hr. Rate Oil Bbl Gas Water Gas: Oil Well Status		020#	400#	+		//8	1 96	<u> </u>	<u> </u>	<u> </u>								
Produced Tested Production Bbl MCF Bbl Corr. API Gravity Choke Size Tbg. Press Csg 24 Hr. Rate Oil Bbl Gas Water Gas: Oil Well Status	28a. Product Date First		Hours	Test	To	Oil	Gas		Water	Oil Grav	rity	Gas		Produ	ction N	1ethod		
	Produced		1	1					1	l	-	1						
	Choke Size	_		24 Hr.	Rate	Oil Bbl			E			Well St	atus	1		-		

^{*} See instructions and spaces for additional data on page 2)

Date First Produced	Test Date	Hours	Test	Oil Bbl	Gas	Water	Oil Gravity	Gas	Production Method
Promiced		Tested	Production	BDI	MCF	Bbl	Corr. API	Gravity	
Choke Size	Tbg. Press	Csg	24 Hr. Rate	Oil Bbl	Gas	Water	Gas: Oil	Well Status	
	Flwg. SI	Press.			MCF	Bbl	Ratio		
28c. Produ	iction- Interval D			1				.1	
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method
Produced		Tested	Production	Вы	MCF	ВЫ	Corr. API	Gravitv	
Choke Size	Tbg. Press	Csg	24 Hr. Rate	Oil Bbl	Gas	Water	Gas: Oil	Well Status	
	Flwg.	Press.	l .		MCF	Bbl	Ratio		

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

	31.	Formation	(Log)	Markers:
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Formation	Тор	Bottom	Descriptions Contents, Etc.	Name	Тор
	ТОР	Bottom	Descriptions Contents, Dec.	ivane	Measured Depth
Delaware	2797'	6472'		Top of Salt	270'
Bone Spring	6473'	11610'		Bottom of Salt	2600'
				Delaware	2797'
		 		Bone Spring	6473'
		i i			
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			,		
				Ì	
				1	
					тр. 11610'

32. Additional remarks (include plugging procedure):

Bureau or Lanu manayement RECEIVED

MAR 2 3 2011

Carlsbad Field Office Carlsbad, N.M.

neck in the appropriate boxes:	
Geologic Report	DST Report
Core Analysis	X Other: Deviation Report
mplete and correct as determined from al	ll available records (see attached instructions)*
Title Reg	gulatory Analyst
Date 3/2/	2/11
	Geologic Report Core Analysis mplete and correct as determined from al

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, fictitious or fraudulent ststements or representations as to any matter within its jurisdiction.

(Continued on page 3)