Form 3160-4 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OCT 032008 OCD-ARTESIA

FORM APPROVED OMBNO 1004-0137 Expires March 31 2007



WELL COMPLETION OR RECOMPLETION REPORT AND LOG										5	Lease	Senal No	0.5	-			
la Type of Well Ool Well Gas Well Dry Other											NMLC-029338B 6 If Indian, Allottee or Tribe Name				=		
b Type of Completion											7	Unit					
2 Name of Operator COG Operating LLC												8	Lease Har	-			
3 Address 550 W. Texas, Ste.1300 Midland, Texas 79701 3a Phone No (mctude area code) 432-685-4332												9	AFI V 30-0				
4 Locat	4 Location of Well (Report location clearly and in accordance with Federal requirements)*														V. Com Grayb. 135 Co. 8-167)		
	C						•							Loco	Hills; G	lorieta-Yeso 96718	C28771
	At surface 2310 FNL &330 FWL, Unit E At top prod interval reported below													Sec , Surve			
	tal depth								arus et accompany				12	Eddy	ty or Parish	NM	_
14 Date 09/2	Spudded 5/2006		15	Date T D 10/10/20			16	16 Date Completed 07/17/2008 □ D & A Ready to Prod					17	Eleva 3744'			
18. Total		MD 6250 ΓVD	0		19 Plug Back		MD 572 5 ΓVD	725 20 Depth Bridge Plu					ig Set	MD TV			
21. Type	Electric &	k Other M	echanic	al Logs Ru	n (Submit coj							ll cored? T run?				omit analysis)	
Spec	tral Gam	ma Ray								1		nal Surve	'[√]] ′ve	™ ✓No		omit report) Submit copy)	
23. Casır	ng and Lin	er Recor	d (Repo	ort all stri	ngs set in we					·			-			1,57	
Hole Size	Size/Gr	ade W	t (#/ft)	Тор (М	D) Bottom	(MD)	Stage Cer Deptl			of Sks & of Cemer		Slurry Vo (BBL)	ol	Cemen	t Top*	Amount Pulled	
17 1/2	7 1/2 13 3/8 48				439	439		980 sxs		sxs				Surface			
12 1/4				1571			800 sxs 1430 sx					_	Surface				
7 7/8	5 1/2	17			6150	<u>' </u>			1430	sxs	-			Surfac	ce		
24. Tubin	a Pagord															<u> </u>	
Size		h Set (MD) Packe	er Depth (M	(D) Size	T	Depth Set	t (MD)	Packer	Depth (N	(D)	Sıze	;	Depth	Set (MD)	Packer Depth (MD)	
2 7/8	5681						-				1						
25 Produ	cing Interv Formatio			Ton	Botto			rforation		d 1	Ç.a		No. 11a	Lan	T	Dowl Status	
A) San	Andres (Top 3190	3660	IIII	Perforated Interval Size					No Holes Perf Status 72 Open			Perf Status		
	Andres (3730			3730 - 3930				.041 36				Open		
C) San				4000	4490		4000 - 4490			.041			72		Open		
	(Exsisting			5044.5	5912		5044.5 -	5 - 5912 .041 15					Open				_
	Depth Inter		Cement S	Squeeze, etc	· · · · · · · · · · · · · · · · · · ·			Δı	mount a	and Type	of Mat	terial					
3190 - 3				Acidize v	w/2500 gal 15	5% acid	l. Frac w/	_					sand	35,00	0# 16/30 (CRC sand.	
3460 - 3					v/2500 gal 15					 							
3730 - 3					v/2500 gal 15				-							- 	
	200, 4290 iction - Inte			Acidize v	v/5000 gai 15	% acid	. Frac w/	119,000) gal ge	el; 153,3	83# 1	6/30 wh:	ite sar	id; 42,0	000# 16/3	0 CRC sand.	
Date First Produced	Test Date	Hours Tested	Test Produc	tion Oil BBL	Gas MCF	Wate BB1		Oil Gravi Corr AP	ity PI	Gas Grav		Produc	ction M	ethod			
Choke Size	Tbg Piess Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Wate BB1		Gas/Oil Ratio	Well Status								
	SI	L	│ ──	▶ .								Shut	In			<u> </u>	
28a Produ Date First	uction - Int Test	erval B Hours	Test	0.1	Gas	Wate	.,	0.1.0		-10		115. 1		4 1			
Produced	Date	Tested	Producti	. 1	MCF	BBL		Oil Gravi Cort AP		Gas Gravit	у	Produc	ction M	ethod			
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBI	Gas MCF	Wate BBL		Gas/Oil Ratio		Well S	status						
*(See ins		nd spaces		tional data	on page 2)					Щ							

District I

1625 N. French Dr., Hobbs, NM 88240 <u>District II</u>

1301 W. Grand Avenue, Artesia, NM 88210

District III 1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Form C-102 Revised June 10, 2003

Submit to Appropriate District Office

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief

Referred Original Plat

Date of Survey

Certificate Number

Signature and Seal of Professional Surveyor.

State Lease - 4 Copies

Fee Lease - 3 Copies

<u>District IV</u> 1220 S. St. ¹	Francis I	Dr., Santa	Fe. NM 87	7505			Santa Fe, N	M 87505		Г	Т амен	NDED REPORT			
		, , , , , , , , , , , , , , , , , , ,			OCA'	TION	N AND ACE	REAGE DEDIC	CATION PLA	ΛT	_ AME:	IDED REFORT			
¹ API Number ² Pool Code									³ Pool Name						
	30-0	015-351	24		28	509		Grayburg Jackson SR; Queen Grayburg SA							
⁴ Pro	perty C	ode					*Property	Name		1	⁶ We	ell Number			
302440							Harvard F		6						
	GRID N	0.					8 Operator		⁹ Elevation						
2	229137						COG OPERAT				3744				
						,	¹⁰ Surface	Location							
UL or lot no.		Section	Townsl	•	Lot Idn		Feet from the	North/South line	Feet from the	East/West line		County			
E		12	17S		30E		2310	North	330	West		Eddy			
				¹¹ B	ottom	Hol	e Location I	f Different Fron	n Surface						
UL or lot no.		Section	Townshi	p Range	Lot Idn		Feet from the	North/South line	Feet from the	East/West line		County			
		T.,	<u> </u>		<u> </u>										
Dedicated Acres 40			r Infill	14 Consolidation	Code	" Ord	ler No.								
,, , , , , , , , , , , , , , , , , , ,	2310′		,	STAN	IDARI	O UNI	T HAS BEEN	APPROVED BY	17 OPE I hereby ce is true and belief Signature Kan Printed Name	icia Carri	information the best of r	TIFICATION In contained herein Iny knowledge and			
-/-	/-	-/							18SI IRV	/FYOR (TERTII	FICATION			

<u>District 1</u> 1625 N. French Dr., Hobbs, NM 88240

<u>District II</u> 1301 W. Grand Avenue, Artesia, NM 88210

<u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102 Revised June 10, 2003 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT ¹ API Number Pool Code 96718 Loco Hills; Glorieta-Yeso 30-015-35124 4 Property Code Property Name ⁶ Well Number 302440 Harvard Federal OGRID No. 8 Operator Name Elevation COG OPERATING LLC 3744 229137 ¹⁰ Surface Location

Range North/South line East/West line UL or lot no. Lot Idn Feet from the Feet from the County Section Township 30E Eddy E 12 17S 2310 North 330 West ¹¹ Bottom Hole Location If Different From Surface UL or lot no. Lot Idn Feet from the North/South line Feet from the East/West line County Section Township Range 12 Dedicated Acres 15 Order No. ¹³ Joint or Infill 14 Consolidation Code 40

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-

	····	01111121	AND UNIT HAS BEEN	mine be en me	
					¹⁷ OPERATOR CERTIFICATION
					I hereby certify that the information contained herein
					is true and complete to the best of my knowledge and
					belief.
	2310°)
3	7				Signature
 	-/-}				Kanicia Carrillo
	1				Printed Name
	,				Regulatory Analyst
1	1				Title and E-mail Address
•					04/09/08
330,	1				Date
7 330	/ /				
•					¹⁸ SURVEYOR CERTIFICATION
					I hereby certify that the well location shown on this
	j				plat was plotted from field notes of actual surveys
					made by me or under my supervision, and that the
		,			same is true and correct to the best of my belief.
					Referred Original Plat
					Date of Survey
					Signature and Seal of Professional Surveyor
					Certificate Number
					