Form 3160-4 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OCT 03 2008

FORM APPROVED
OCD ART FS 10 March 31 2007

					200								Ø 11 600	SIM	xpires Ma	irch 31, 2007	Ar Service.
	WE	ELL CC	MPLE	HON	OH I	RECOMPL	EHON	REPOR	RIAN	ND LO	G		5	Lease NML	Senal No C-029338	8B	,
•	of Well			Gas V			Other	. [7]	a Bool		N. O' 1) <u>-</u>	6			or Tribe Name	
b Type of Completion											7	7 Unit of CA Agreement Name and No					
2 Nam	Name of Operator COG Operating LLC												8	8 Lease Name and Well No Harvard Federal #5			
3 Addr	Address 550 W. Texas, Ste.1300 3a Phone No (include area code) 432-685-4335											9	9 AFI Well No 30-015-34709			· , ,	
Loca	Location of Well (Report location clearly and in accordance with Federal requirements)*												10	Field a	19 Julisiasie		
At surface 2310 FNL & 990 FEL, Unit H At top prod interval reported below											11	Loco Hills; Glorieta-Yeso 96718UX 11 Sec., T., R., M., on Block and Survey or Area Sec.11, T178, R30E			(23504)		
Atto	p prou mie	ervar repo	neu beio	w					•		,		12	· · · · · · ·	or Parish		
	tal depth		· · · · · · · · · · · · · · · · · · ·		***									Eddy		NM	-
4 Date 04/1	Spudded 7/2006		15	Date T I		hed ———————		16 Date C	•	ed 07 Rea	/21/2 idy to		17	Elevati 3742' (RKB, RT, GL)*	-
8. Total	•	MD <mark>625</mark> TVD	50		19 F	lug Back T D	MD 6 TVD	217		20	Depth	Bridge P	lug Set	MD TVD)		
	Electric &		1echanic	al Logs F	tun (Sı	ibmit copy of		•		'	Vas I	vell cored OST run? tional Surv	$\overline{\checkmark}$	No	Yes (Sub	mit analysis) mit report) Submit copy)	
3. Casii Hole Size	- T		rd <i>(Rep.</i> /t (#/ft.)	ort all st Top (Bottom (MD	,,, -	Cementer		of Sks		Slurry V		Cement	Top*	Amount Pulled	
17 1/2	L. L. L.					/ D	Depth Type of Cement (BBL) 628 sxs			.)		[None				
12 1/4	8 5/8		2#			1328			780							None	
7 7/8	5 1/2	1	7			6243			1475	5 sxs						None	
	-			ļ					<u> </u>								
				 							\dashv						
4 Tubir	ng Record			1		l				 .							
Size	Dept	h Set (MI	O) Pack	er Depth	(MD)	Size	Depth	Set (MD)	Packe	r Depth (MD)	Siz	ze	Depth	Set (MD)	Packer Depth (MD)	
2 7/8	5351 icing Interv	unlo.					1.26	Darfaration	Door	.d							-
3 Plout	Formation			Тор		Bottom	26	Perforation Perforated			5	Size	No H	oles I		Perf Status	
) Yes	o (Exsisti			5098		5331		3440 - 3640 .041 36									
	Andres (3440		3640					36						
	Andres (· · · · · · · · · · · · · · · · · · ·		3710		3910		3980 - 4450 .041				72 Open					
San	Andres (New)		3980		4450	5098	6098 - 5331 .045 68				68				_	
	Fracture, T	<u>-</u>	Cement	Squeeze,	etc					1.50							· -
3440 - 3	Depth Inter	rvai		Acidia	0.11/75	00 gal 15% a	oid Frac			and Type			to none	1. 20 225	# 40/70 S	iberProp sand.	,
3710 - 3																iberProp sand.	
3980 - 4	1180		-													iberProp sand.	
4250 - 4				Acidiz	w/25	00 gal 15% a	cid. Frac	w/61,744	gal ge	l; 65,36	2# 10	6/30 whit	te sanc	1; 24,972	# 40/70 S	iberProp sand.	
8 Produ Date First	uction - Inte		1 T	10		lć	111	1010		Ga			,				
Produced	Date	Hours Tested	Produc	ction BI	l BL	Gas MCF	Water BBL	Oil Gia Con A	PI		avity	Piod	duction 1	Method			
Choke Size	P1 27111 DD1 M				Gas/Oil Ratio			l Statu	Status Shut In								
8a Prod	uction - Int	terval B				1				<u> </u>							
Date First Produced	Test Date	Hours Tested	Test Produc	tion BE			Vater BBL	Oil Grav Corr Al	aty PI	Gas Grav	ıty	Prod	luction N	Method			
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	O ₁ BI		Gas MCF	Water BBL	Gas/Oil Ratio		Well	Status	i i					
*(See in	structions o	and space			ita on n	1 1 age 21											
1-00 1110		space.	- jvi uuu	vimi iii	·u un p	-6/											

28b. Produ	action - Inte	rval C											
Date First Produced	Fest Date	Hours Tested	Fest Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method				
Choke Size	Tbg Press. Flwg. SI	Csg Press.	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	II Status				
28c. Prod	uction - Int	erval D				·							
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	Tbg. Press. Flwg. SI	Csg Press.	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	Well Status				
29. Disp	osition of C	Gas (Sold,	used for fuel,	vented, etc)	_ 							
Shu	t In												
30. Sum	mary of Po	rous Zones	(Include Aq	uifers)				31. Forma	tion (Log) Markers				
tests,	v all import including of recoveries.	tant zones depth inter	of porosity val tested, cu	and contentishion used,	ts thereof time tool o	Cored interv pen, flowing	als and all drill-sten and shut-in pressure	n es					
Form	nation	Тор	Bottom		Desc	riptions, Cont	ents, etc		Name	Top Meas Depth			
Yates Seven Ri Queen Graybur; San Andi Glorietta Yeso	g res	1428 1728 2326 2724 3042 4494 5098	plugging pr	ocedure).									
✓ Elec	ctrical/Mec	hanical Lo	een attached gs (1 full set ng and comet	req'd)	☐ Ge	the appropriate tologic Repor tre Analysis		Direction	al Survey				
34. I hereb	y certify th	at the fore	going and att	ached infor	mation is co	mplete and co	orrect as determined	l from all availat	ole records (see attached instruc	ctions)			
Name (p	please prin	_{t/} Kanici	a Carrillo				Title Regula	atory Analyst					
Signature Date								Date 09/29/2008					

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 statements or representations as to any matter within its jurisdiction

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
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 Copics
Fee Lease - 3 Copics

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

ı	API Numbe	г	Ì	² Pool Code		Jood Name Loco Hills; Glorieta-Yeso						
30	-015-347	09		96718								
4 Property	Code			⁶ Well Number								
30244	0		İ	5								
⁷ OGRID	No.			⁹ Elevation								
22913	7			3743								
					¹⁰ Surface	Location						
UL or lot no.	Section	ection Township		Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County			
Н	11	17S	30E	İ	2310	North	990	East	Eddy			

UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County

12 Deducated Acres 40

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

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	API Numbe	r		² Pool Code		³ Pool Name Grayburg Jackson SR; Queen Grayburg SA						
30	0-015-347	09		28509								
4 Property	Code		l		Property 1	Name		Well Number				
30244	10			5								
OGRID!	No.			⁹ Elevation 3743								
22913	17											
					¹⁰ Surface	Location						
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County			
H	11	178	30E		2310	North	990	East	Eddy			
	_ 		11 Bo	ttom Ho	le Location II	Different Fron	n Surface					
UL or lot no.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County			
12 Dedicated Acre	es Doint 0	r Infill 14 Co	nsolidation (Code 15 Or	der No.							

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

