District 1

1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720

District II

RTLS, First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III

1000 Rio Brazos Road, Aztec. NM 87410 Phone: (505) 334-6178 Fax; (505) 334-6170

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax; (505) 476-3462

Date: 11/27/2013

Phone: 575-748-6945

State of New Mexico

Form C-101 Revised July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

RECEIVED

NOV 26 2013

Elegen (2003) acm	-3400 FBA (303)	1410-3404				1	NA NA	<u> 10CD P</u>	ARTESIA	
APPLI	CATIO	N FO	R PERMIT T	O DRILL	, RE-ENT	ER, DEEPE	N, PLUGBAC			
	.,	il i	1. Operator Name a	and Address				- OGRID Nu		
]	COG Operati 2208 West Ma	ain Street		:		22913		
		 !!	Artesia, NM				30-0	SAM Num	4/829	
Property 31	erry Code 8670),,		ı	Property Nam Buena Vista 2 St	ne ;		1	Well No 4H	
)		7. S	Surface Loca	tion	·			
UL Loi	Section	Township		Lot ldn	Feet from	N/S Line	Feet From	E/W Line	County	
N	2	205		l N	280	South .	2000	West	Eddy	
	* Proposed Bottom Hole Location									
UL - Lor	Section 2	Township 20S	p Range 30E	Lot Idn	Feet from	N/S Line North	Feet From 380	E/W Line West	County	
~	-		.104.5	30E 4 330		140tut	3,00	en CSI	Eddy .	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		4. F	Pool Informa	tion		-		
**************************************	·	i į			ol Name			<u> </u>	Pool Code	
Gatuna Canyon	: Bone Spring					<u> </u>			96688	
				Additio	nal Well Info					
				13 Cable/Rota	гу	14 Lease Type State	ıs	Ground Level Elevation 3221.9'		
16 M	fultiple	=	13 Proposed Depth		18 Formation	1 .	19 Contractor		^{20.} Spud Date	
	N 13976 Bon Depth to Ground water Distance from nearest fresh water				Bone Spri st fresh water wel		Distance	12/1/2013 · to nearest surface water		
We will be using a closed-loop system in lieu of lined pits							TO HOURST DELL	ast ware		
Mille mm pr	using a civa	ij			Casing and Co	ement Program	1			
Турс	Type Hole Size Ca		Casing Size	Casing W		Setting Depth	Sacks of (Cement	Estimated TOC	
Surface	1	7.5	13.375	48	8	450	400)		
Intrind	12	2.25	9.625	36	6	3650	120	0		
Production	1 7.5	875	5.5	17		13976	200	0	2150	
	3	1	Casin	g/Cement P	rogram: Ad	ditional Commo	ents			
ł		£\$					3/8", 48#, H-4	-		
surface.		;							nt to surface in -1/2", 17#, P-	
2 Stages 110 csg		19		forerar 4	This can be	tine to appr	OX 13,5/0 FID	. кин э-	"1/2", 1/#, F-	
		i i								
		×.	22.	Proposed B	lowout Prev	ention Program	1			
	Type Working Pressure			ire	Test Pressure Manufacturer			Manufacturer		
	Double Ram 3000				3(000		Cameron		
			ation given above is to	rue and comple	te to the	0	IL CONSERVA	TION DIV	ISION	
	best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC \ and/or				⊠ and/or		10.01			
19.15.14,9 (1	19.15.14,9 (B) NIMAC , if applicable					Approved By:	11 Ohra	/		
Signatur	I_{\perp}	ak	· KRE	<u> </u>			C. SILYJO	WU.		
Printed name	e: Mayte P	Reye 🛆	2]	Title:	, "Geo	ologis	st" / _/	
Title: Regu	ulatory Anal	yst				Approved Date:	127/2013 1	xpiration Date	e: 11/27/70/5	
E-mail Add	E-mail Address: mreyes1@concho.com						7		77	

Conditions of Approval Attached

DISTRICT I DISTRICT II
1301 W. CRAND AVENUE, ARTESIA, NM B0Z10
Phone: (575) 748-1283 Fax: (575) 748-9780

State of New Mexico 1023 N. VERNICE DR., HOBES, NW 88240 Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

11885 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate

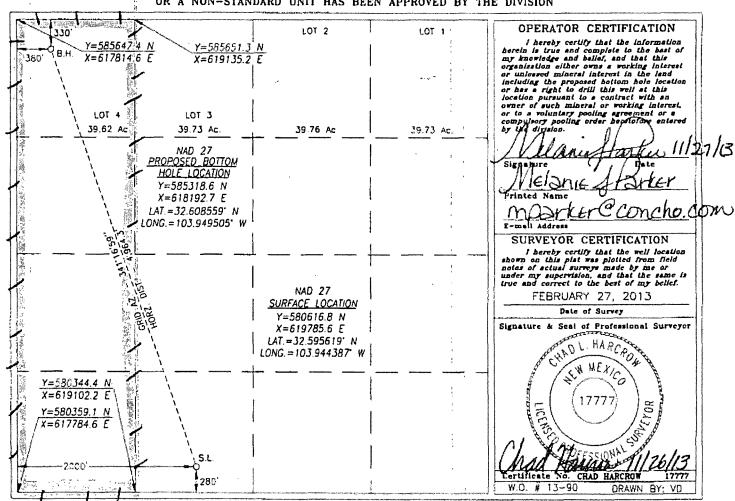
DISTRICT III 1900 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-6178 Far: (505) 334-6170 DISTRICT IV 11885 S. ST. FRANCIS DR. SANTA FZ. NM 87805 Phone: (505) 476-3460 Fax: (505) 476-3462

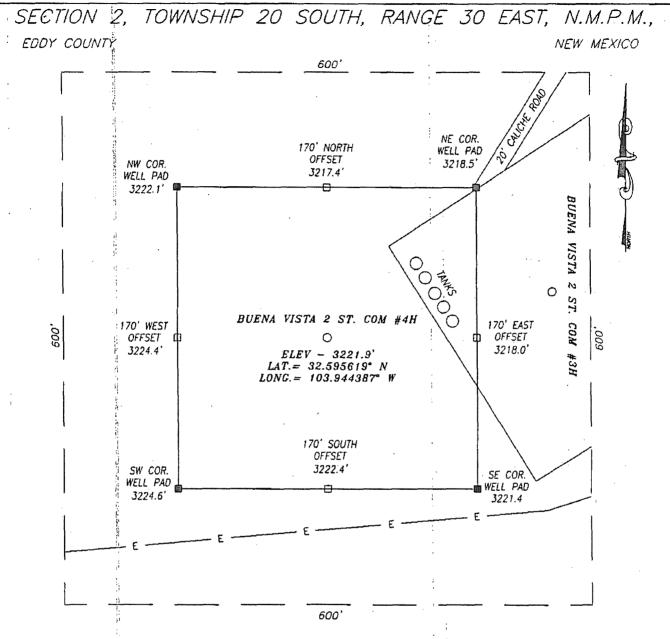
AMENDED REPORT

20. (000) 110 0100 120 (000) 110	WELL LOCATION AND	ACREAGE DEDICATION PLAT			
30-015- 41829	Pool Code 96688 <	Gatuna Canyon; Bone	Spring /		
Property Code	Prop	erty Name	Well Number		
38670 €	BUENA VISTA 2 STATE COM 4H				
OGRID No.	Operator Name Elevation				
229137	COG OPERATING, LLC 3221.9				
	Surfa	ce Location			

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	2	20-S	30-E		280	SOUTH	2000	WEST	EDDY
	1		Bottom	Hole Loc	ation If Diffe	rent From Sur	face	· · · · · · · · · · · · · · · · · · ·	
UL or lot No.	Section 4	Township	Range	Lot Idn	feet from the	North/South line	Feet from the	East/West line	County
, 4	2	20-S	30-E		330	NORTH	380	WEST	EDDY
Dedicated Acre	Joint é	r Infill Co	nsolidation	Code Dr	der No.		· · · · · · · · · · · · · · · · · · ·		
159.62	1 8								

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





DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF HWY 360 AND CR #222 SHUGART RD GO EAST ALONG CR #222 FOR APPROX. 3.9 MILES. TURN RIGHT (SOUTHEAST) ONTO A CALICHE LEASE ROAD GO APPROX. 0.9 MILES TURN RIGHT (WEST) GO APPROX 2.6 MILES TO EXISTING BUENA VISTA 2 STATE COM #3H AND WELL IS 260 FEET WEST.

HARCROW SURVEYING, LLC

1107 WATSON, ARTESIA, N.M. 88210 PH: (575) 513-2570 FAX: (575) 746-2158 chad_harcrow77@yahoo.com



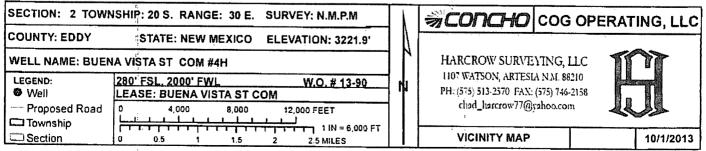
100	, 0	100	200 Feet
HHH	H H H		
	Scale:1	"=100"	

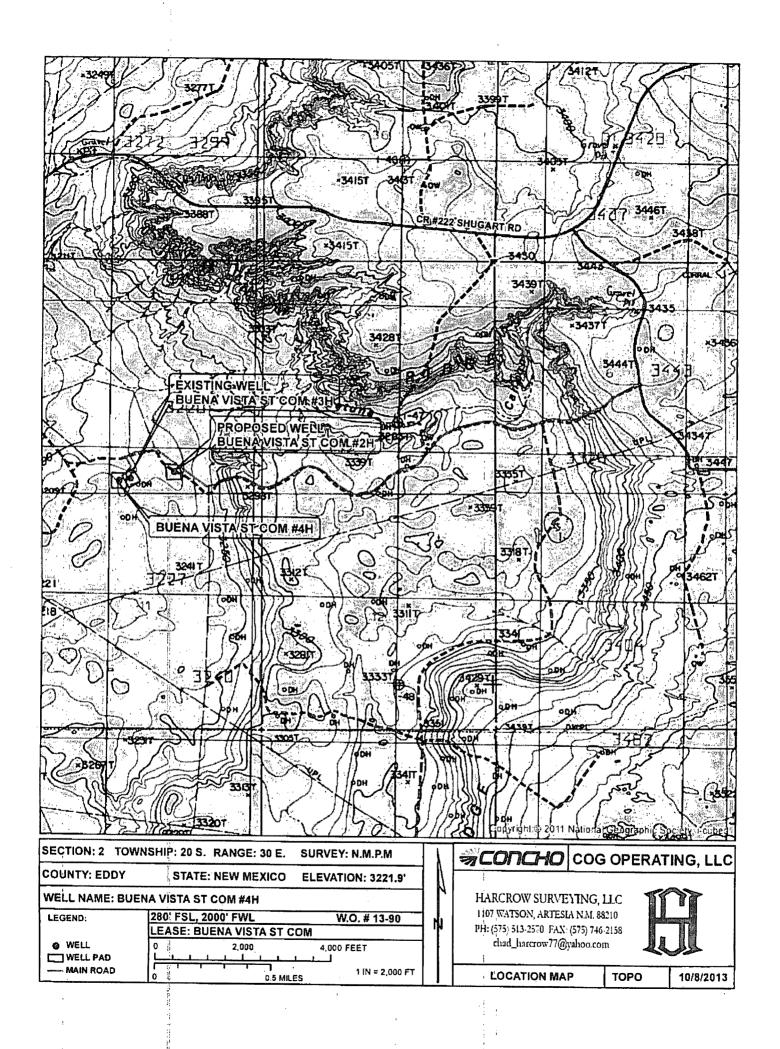
COG OPERATING, LLC

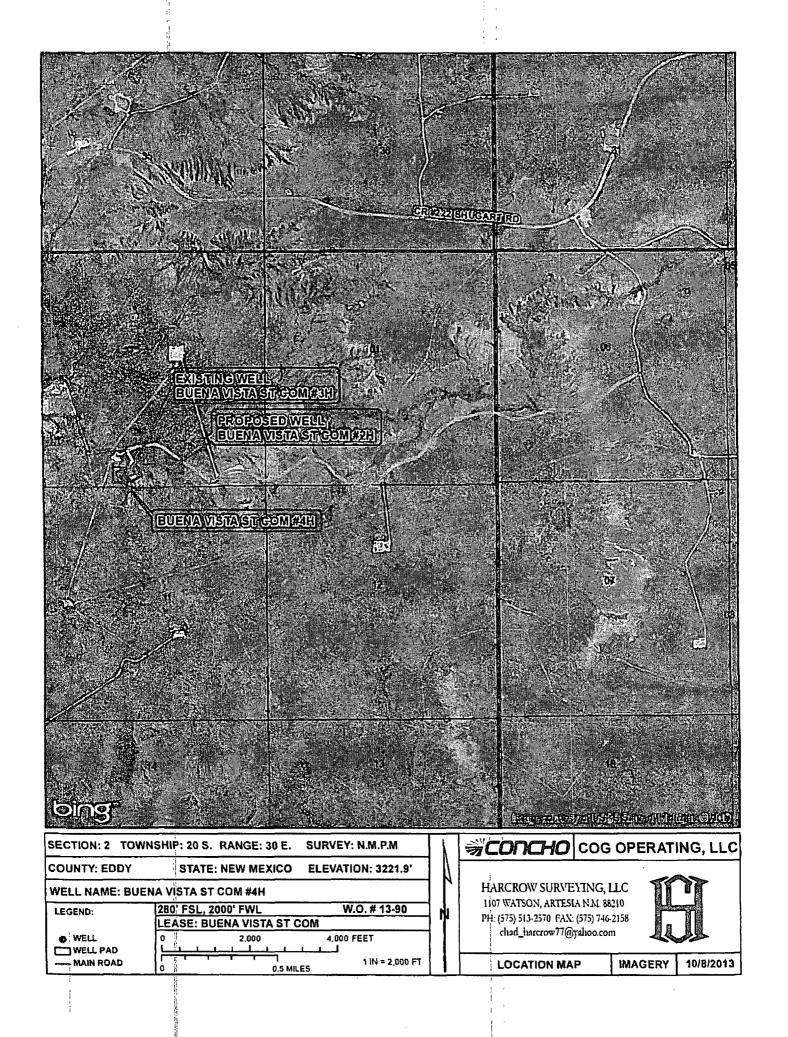
BUENA VISTA 2 ST. COM #4H WELL LOCATED 280 FEET FROM THE SOUTH LINE AND 2000 FEET FROM THE WEST LINE OF SECTION 2, TOWNSHIP 20 SOUTH, RANGE 30 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO

-	SURVEY DATE:	02/27/2013	PAGE:	1	OF	1
1	DRAFTING DATE:		1			
	APPROVED BY: CH	DRAWN BY: VD	FILE:			

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						J	UENA VISTA	ST COM #4H		
06	05		04	V.	03- Crazy	02		P 06	05	
			100 mg/s	MAD.						
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SECTION: 2	TOMACO					N BA O BA				







Buena Vista 2 Sate Com 4H

i,	Hole				i	
	Size	Casing	Wt	Depth	Cmt	TOC
Surface	17.5	13.375	48	450'	400	0
Intrmd	12.25	9.625	36	3650'	1200	0
Prod	7.875	5.5	17	13,976'	2000	2150'

Plan to drill a 17-1/2" hole to 450' with Fresh Water. Run 13-3/8", 48#, H-40 csg and cmt to surface. Drill 12-1/4" hole to 3650' with Brine, and run 9-5/8", 36#, J-55 and cement to surface in 2 stages. Drill 7-7/8" curve and lateral with cut brine to approx 13,976' MD. Run 5-1/2", 17#, P-110 csg and cement to 2150'.

Well Control

Type	Pressure	Test	Manufacture
Double Ram	3000	3000	Cameron

Permit-Conditions of Approval

API:

30-015-41829

OCD Reviewer	Condition
CSHAPARD	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string

Hell will be reviewed for NSL Subsequent to drilling &