District 1 1625 N. French Dr., Hohns. NM 88240 Phone: (575) 393-6161 Fax: (575) 393-6720 <u>District 11</u> 811 S. First St., Artesia, NM 88210

Phone: (575) 748-1283 I/ax: (575) 748-9720 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410

Phone: (505) 334-6178 Fax: (505) 334-6170 <u>Pistrict1V</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

Title: Regulatory Analyst

Date: 4/21/2015

E-mail Address: mreyes | @concho.com

State of New Mexico

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

			" Operator Name	*		* OGRID Number				
			COG Operat	ing LLC				22913	7	
2208 West Main Street Artesia, NM 88210								ADI Mumhan		
9. (J	rty Code					30-0	25-42	2723		
	77 /			- P				Well No		
217	//			SKULL				2H		
^{7.} Surface Location										
UL-Loi	Section	Townshi	-	Lat Idn	Feet from	N/S Line	Feet From	E/W Line	County	
J	32	245	35E	35E 259		South	1980'	East	Lea	
Proposed Bottom Hole Location										
UL - Loi	Section	Townshi		Lot lılın	Fect from	N/S Line	Feet From	E/W Line	County	
j	5	255	35E		1650'		1980'	East	Lea	
Pool Information										
	NIC	01	9-09	Go Pool Na	ne DON - 6	BALLE GAALLE			Pool Code	
<u>MC-025 9-09 5753509D; BONK 5/14N6</u> Additional Well Information										
¹¹ Work Type ¹² Weil Type ¹³ Cable/Rotary ¹⁴ Lease Type ¹⁵ Ground Level Elevation										
New Well			Oil		-		State		3286.0'	
¹⁶ Multiple N			· · ·		¹⁸ Formation Bone Spring		¹⁹ Contractor	²⁰ Spud Date 5/1/2015		
Depth to Grou	nd water			tance from nearest fresh water well			Distance	Distance to nearest surface water		
We will be using a closed-loop system in lieu of lined pits										
^{21.} Proposed Casing and Cement Program										
Туре	Hole Size		Casing Size	Casing Size Casing Weight/ft		Setting Depth Sat		Cement	Estimated TOC	
Surface	xe 17.5		13.375	54.5		825'	650		0	
Intrmd	trmd 12.25		9.625	40		5345'	180	0	0	
Intrind 2/Prod	rmd 2/Prod 8,75		7.0	7.0 29		12,750'	140	0	0	
Production/Line	oduction/Liner 6.125		4.5 13.5			11,800' 18,425' 57			11,800	
Casing/Cement Program: Additional Comments										
Plan to drill a	17-1/2" hol	e to 825' v	ith Fresh Water. Ru	n 13-3/8", 54.5# J-5:	5 casing and c	ement to surface. I	Drill 12-1/4" hole to 53	45' with Brinc	, and run 9-5/8", 5345' of	
40# J-55/N/L-	80 and cem	ent to surf	ace. Drill an 8-3/4" F	ilot Hole to 12,750'	with cut brine	and additives/mud	as needed to run logs	Plug back to	KOP at approximately	
40# J-55/N/L-80 and cement to surface. Drill an 8-3/4" Pilot Hole to 12,750' with cut brine and additives/mud as needed to run logs. Plug back to KOP at approximately 11,850' (cement volumes per open hole log caliper). Kick off cement plug and drill an 8-3/4" curve and lateral with cut brine to approximately 12,750' MD. Run 7" 29#										
HCP 110 BTC 2nd Intermediate Casing to 12,750°. Cement in two stages with DV Tool at ~5600°. Circulate cement on both stages. Drill 6-1/8" lateral to 18,425° MD with										
cut brine/brine. Run 4-1/2" 13.5# HCP TXP liner to TD and cement in one stage circulating cement to top of liner (-11,800').										
²¹ Proposed Blowout Prevention Program										
Type Working Pressure Test Pressure Manufacturer										
r.	Double Ra	im.		5000		S000		Cameron		
 I hereby certify that the information given above is true and complete to the best of my knowledge and belief. 						OIL CONSERVATION DIVISION				
I further certify that I have complied with 19.15.14.9 (A) NMAC A and/or 19.15.14.9 (B) NMAC A, if applicable, Signature:							~~~			
						proved By:	Viel.	É		
Printed name: Mayle Reyes						e: Petroleu	m Endi			

Phone: 575-748-6945 Conditions of Approval Attached

Approved Date: 0

21

¥

em APR 2 2 2015

121

Expiration Date: 04