District 1 1625 N. French Dr., Hobbs, NM 88248 Phone: (575) 393-6161 Fax: (575) 393-0720

#### District II

District IV

811 S. 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

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

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

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

			" Operator Name a	" OGRID Number						
		COG Operati	ing LLC					229137		
			2208 West Ma Artesia, NM	ain Street 1 88210		30.0			ADI Mumbar	
* Prop	perty Code		1		erty Name			23-427-3 Well No		
~ ~	77/		1	SKULL CAP STATE COM						
	<u></u>		<u> </u>	7. Surface				<del></del>	2H	
UL-Loi	Section	Township	Range	·		N/S Line	Feet From	E/W Line	County	
J	32	24S	35E	1	2590°	South South	1980'	E/W Line East	County	
<del></del>	<u> </u>			ottom Hole Location						
UL - Lot	Section	Township		T		N/S Line	Feet From	E/W Line	County	
ن	5	258	35E	<u> </u>	1650'	South	1980'	East	Lea	
				9. Pool Inf	formation					
	WC-	025	J-09	9263509	D: BOX	16 91	RNE		Pool Code 98110	
			<del></del>	Additional We	ell Informatio	on				
Work Type New Well		T	12. Well Type Oil				14 Lease Type State	15 (	Ground Level Elevation 3286.0'	
	16 Multiple		17 Proposed Depth	18 Fr	ormution	+	19 Contractor	<sup>20</sup> Spud Date		
	N		18,425		one Spring			<u> </u>	5/1/2015	
		<u> </u>		_	iler weu		Distance	to nearest surfa	ce water	
☑We will be	using a close	d-loop sy	stem in lieu of lined 21.	l pits Proposed Casing a	ınd Cement F	rogram				
Туре	Hole	Size	Casing Size	Casing Weight/ft	Setti	ing Depth	Sacks of C	ement	Estimated TOC	
Surface	17.	.5	13,375	54.5		825'	650		0	
Intrmd	12.3	25	9.625	40		5345'	1800	)	0	
Intrind 2/Prod	d 8,7	15	7.0	29	1	2,750'	1400	)	0	
Production/Line	roduction/Liner 6.125		4.5	13.5	11,800	0' 18,425'	575		11,800	
				ng/Cement Program						
Plan to drill a	17-1/2" hole	to 825° w	ith Fresh Water. Rur	ın 13-3/8", 54.5# J-55 casi	ing and cement to	o surface. Dri	ill 12-1/4" hole to 53-	45' with Brine,	, and run 9-5/8", 5345' (	
40# J-55/N/L	,80 and ceme	nt to surfa	ce. Drill an 8-3/4" F	Pilot Hole to 12,750' with	ı cut brine and ad	lditives/mud a	s needed to run logs.	Plug back to I	KOP at approximately	
11,850' (cem	ent volumes p	per open h	ole log caliper). Kiel	k off cement plug and dril	il an 8-3/4" curve	e and lateral w	rith cut brine to appro	oximately 12,7:	50' MD. Run 7" 29#	
HCP 110 BT/	C 2nd Interny	ediate Cas	ang to 12,750'. Cen-	ent in two stages with DV	V Tool at ~5600'	. Circulate ce	ment on both stages.	Drill 6-1/8" la	ateral to 18,425' MD wi	
				and cement in one stage c			•		-	
			<del></del>	Proposed Blowout				•		
	Туре			Working Pressure		Test Pres				
	Double Ran	m		5000		5000			Manufacturer  Cameron	
	ertify that the	e informati	ion given above is tr	true and complete to the			CONSERVAT			
I further cer		ave compl		9 (A) NMAC 🖾 and/or	Approved 1		The section of the se			
	Africa D.	-1U=7	5	8	D	Title: Petroleum Fnoineer				
Printeu name	e: Mayte Re	.ycs			Title: F	etroleum	1 Frameer	<ul> <li>Dept. of the</li> </ul>	e garanten bertaertae	

Approved Date:

Conditions of Approval Attached

Expiration Date: 04