District 1 1625 N French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First Sc. Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III

| PISTICK | 111 | 1000 Rio Brazos Road, Aztec, NM 87410 | Phone: (505) 334-6178 Fax: (505) 334-6170 | Pistick | 12 | 1220 S. St. Francis Dr., Santa Fe, NM 87505 | Phone: (505) 476-3460 Fax: (505) 476-3462

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

APPLI	<u>ICATIO</u>	N FOR	PERMIT TO	O DRILL, R	E-ENT	CER, DF	<u>CEPEN, F</u>	PLUGBACK	C, OR A	ADD A ZONE
•			COG Operati	ing LLC					22913	
			2208 West Ma Artesia, NM					30-	3. A DI Miss	
* Prop	perty Code 19678				roperty Name by 20 State C				7 2 7	" Well No
	7070		<u> </u>		face Loca					on -
UL-Loi	Section	Township	1 -	Lot Idn	Feet from		I/S Line	Feet From	E/W Line	e County
A	20	215	34E		190		North	710	East	Lea
UL - Lot	Section	Township	T	Lot Idn	ation Feet from				75111:-	
b or.res	Section 29	21S	Range 34E	LAX JUD	330		I/S Line South	Feet From 380	E/W Line Enst	c County Lea
	لــــــــــــــــــــــــــــــــــــ		<u> </u>	9. Pool	l Informa	ation				
WC-025 G07 S	2212120M- Bc	Caring		Pool Nan		ILIGI.				Pool Code
WC-OLD GO, L.	21343014, 20.	AC STRUCK								97962
11. Wr	ork Type		12. Well Type	Additional	Well Info			Lease Type	1	Ground Level Elevation
New	w Well Multiple		Oil . 17 Proposed Depth		18 Formation	Ť	1	State		3754.1'
	N .		21771'		Bone Spri	ring		Contractor		³⁰ Spud Date 12/30/2014
Depth to Grou				ince from nearest fres	sh water wei	.11		Distance to	nearest sur	rface water
☑We will be	using a clos	cd-loop sys	stem in lieu of lined	l pits Proposed Casin	no and C	'ement Pr	oaram			
Туре	Hole	e Size	Casing Size	Casing Weight			g Depth	Sacks of Ce	men!	Estimated TOC
Surface		7.5	13.375	54.5	1011	·	920,	1225	nent	Estimated 100
Intrmd		2.25	9.625	40			830'	1500		
Production		.75	5.5	17			771'	3500		3400
			Casin	g/Cement Progr	ram: Ad	lditional C	Comments	_L	L	
surface. Drill 8-	. Drill -3/4" ve	12-1/4 ertical	4" hole to 58 & curve. Dri g and cement	920' with From the state of the	rine, an lateral	nd run 9 with cu	9-5/8", 4 ut brine	40# J55 and	cement	to surface.
	Туре			Vorking Pressure	Jul a ser	CHILIVII	Test Pressur			Manufacturer
1	Double Ra	ım		3000			3000	ne -		Horn
							<u> </u>			
best of my kn	nowledge and rtify that I h	id belief. have compli	ligh with 19.15.14.9	rue and complete to 19 (A) NMAC 🖾 and	nd/or	Approved By		ONSERVATI	ION DIV	/ISION
Printed name	:: Mayte R	eyes 0				Title: Pe	etroleum	Engineer	/	
Title: Regul	latory Analy	/st				Approved Da	ate: 12/4	22/14 Exp	piration Dat	10 12/21/6
E-mail Addre	ess: mreyes l	@concho.c	om							
Date: 12/22/	/2014		Phone: 575-748	D.4045	1,	Conditions o	f Anomysl Att	tankari		

Osprey 20 State Com #5H

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Plan to drill a 17-1/2" hole to 1920' with Fresh Water. Run 13-3/8", 54.5#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 5830' with Brine, and run 9-5/8", 40# J55 and cement to surface. Drill 8-3/4" vertical & curve. Drill 8-3/4" lateral with cut brine to approximately 21,771' MD. Run 5-1/2", 17#, P-110 csg and cement to 5600'.

Well Control

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CONDITIONS OF APPROVAL

API#	Operator	Well name & Number	
30-025-42349	COG Operating LLC	Osprey 20 State Com # 5H	

Applicable conditions of approval marked with XXXXXX

Administrative Orders Required

XXXXXXX	Will require a directional drill survey with the C-104
XXXXXXX	If using a pit for drilling and completion operations, must have an approved pit form prior to spudding the well

Other wells

Drilling

XXXXXXX	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

Casing

SURFACE & INTERNEMIATE(1) CASING - Cement must circulate to surface
PRODUCTION CASING - Cement must tie back into intermediate casing
If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
North Area
Surface casing minimum setting depth of 350' and at least 50' into the red beds whichever is greater.