District 1

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

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

District IV

Date: 1/7/2014

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

HOBES OCD

1220 South St. Francis Dr.

Santa Fe, NM 87505

JAN 07 2014

APPLIC	CATIO	N FOR	PERMIT T			RE-EN	ITER, I	EEPEN	, PLUGBAC		VED DD A ZONE		
Operator Name and Address COG Operating LLC 2208 West Main Street									OGRID Number 229137				
Artesia, NM 88210									30-025-41590				
* Property Code 407/8 Property Merlin State											" Well No 1H		
7. Surface Location													
UL – Lot	Section	Township	Range	Lot Idn F			Feet from N		Feet From	E/W Lin	c County		
N _	N 29 21S 34E 11						<u> </u>	South	1650	West	Lea		
UL - Lot	Section	Township	Range	*		auon Feet fro	nm I	N/S Line	Feet From	E/W Lin	e County		
N N	32	215	34E	.23, (01)		330		South	1980	West	Lea		
9. Pool Information													
Wildcan Bene Spring WC-025 G-07 5213470							M. BONE SPAINE			Pool Code 96403 9			
				A			nformation						
¹¹ Work Type New Well			12. Well Type Oil				able/Rotary		14 Lease Type State		¹³ Ground Level Elevation 3721.4		
16 Multiple N			17 Proposed Depth			18 Formal			19 Contractor		²⁰ Spud Date		
Depth to Groun		Distance from nearest fresh water			Spring well	Distance		to nearest su	to nearest surface water				
₩e will be u	sing a clos	ed-loop sys	tem in lieu of lined 21.		sed Casin	ng and	Cement 1	Program	!				
Туре	Hole Size C		Casing Size	asing Size Casing Weight/ft		ht/ft	Setting Depth		Sacks of	Cement	Estimated TOC		
Surface	ı	7.5	13.375	54.5		ı		1900	1115				
Intrmd	1:	2.25	9.625	9.625		40		5850	222	0			
Pilot Hole Plu	g 7.	875	•		-		12190		380)	11190		
Production	7.875		5.5		17		17799		215	0	5550		
								Comment					
and Class C switch to fres both stages.	w/ 2% Ca h water to Drill 7-7/	Cl ₂ to cem interval T 8" pilot ho	ent to surface, if a D. Run 9-5/8" 40	necess # L80 E Ind plug	ary. Drill 1 3TC casing back with	2-1/4" hi 3 to TD v 380 sx i	ole to ~585 with a DV to cement plu	50' with satur ool placed - ug f/ 11190' -	rated brine water. 100' above the R - 12190'. Drill 7-7	If losses of eef. Plan to	age. Will use 1" tubing ccur in the Reef, will o circulate cement on nd lateral to 17799' with		
			22.	Propo	sed Blow	out Pro	evention l	Program		.			
		V	Working Pressure				Test Pres		Manufacturer				
D		5000				5000			T3 Energy Service				
23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC ☑ and/or 19.15.14.9 (B) NMAC ☑, if applicable. Signature:							OIL CONSERVATION DIVISION Approved By:						
Printed name: Mayte Reyes								Title: Petroleum Engineer					
Title: Regulatory Analyst							Approved Date: 0/08/14 Expiration Date: 0/08/16						
Caril Address mesual (Consche com													

Phone: 575-748-6945

Conditions of Approval Attached

70-025-41590

CONDITIONS OF APPROVAL

- 1) SURFACE & INTERNEMIATE CASING Cement must circulate to surface --
- 2) PRODUCTION CASING Cement must tie back into intermediate casing --
- 3) Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
- 4) Directional survey must be attached to C-104