<u>District II</u> 1301 W. Grand Ave., Artesia. NM 88210 Phone:(505) 748-1283 Fax:(505) 748-9720

State of New Mexico

Form C-101 Permit 106156

Energy, Minerals and Natural Resources

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

PLICATIO	N FOR P	ERMIT T	ГО DRILL,	RE-ENTE	ER, DEE	PEN, PLUGBA	ACK, OR A	DD A ZONE		
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	CC									
	M	IDLAND ,	, TX 79701				3. API Nu	37457		
4. Property Code 2 7 9 5 3 5. Property Name YALE STATE				6	. Well No. 023					
			7. S	urface Lo	cation					
Section 2	Township 17S	Range 30E	ge Lot Idn Feet From N/S Line Fe				E/W Line E	County EDDY		
<u>_</u>			8 P	ool Inform	ation		<u> </u>	<u> </u>		
HILLS; GLOR	IETA-YES)	0.1	ooi illioili	lation			96718		
		<u> </u>	Addition	ıal Well İr	formati	on				
			1			12. Lease Type State	13. Grou	and Level Elevation 3767		
. Multiple	15. Propos	sed Depth	10	6. Formation		17. Contractor		18. Spud Date		
N	62	.00	Yes	o Formation			1/31/2010			
Depth to Ground w	ater		Distance f	from nearest fre	sh water we	11	Distance to nearest surface water > 1000			
•		mils thick	Clay[] Pit Vo	olume. <u>5000</u>			D 11011	47a 4 57		
sed Loop System	1_1	10	n 1 C				Diesei/Oii-base	d L.3 Gas/Air L.3		
Hole Size	Casing T						Cement	Estimated TOC		
17.5			48		450			0		
11	8.625	5	24		1350	500)	0		
7.875	5.5		17		6200	900)	0		
oposes to drill 1350' w/br mud	a 17-1/2" ho	ole to 450'	w/fr wtr mud s	ystem, wt 8	5, vis 28, s	set 13-3/8" casing a	& cement to s	urface. Drill an 11"		
,			on. Run 5-1/2"	casing & cer	nent to sur	rface, Note: On pro	oduction string	g, a caliper will be		
		P	roposed Blo	wout Prev	ention P	rogram				
Туре		Wor			Тє		M	anufacturer		
DoubleRam			2000			2000		<u> </u>		
I hereby certify that the information given above is true and complete to the best of my knowledge and belief.					OIL CONSERVATION IN 1910N					
NMOCD guidelines X, a general permit , or an (attached) alternative						7	0111			
	mically file	hy Diam-	Vuukandall			$\rightarrow \bigcirc \bigcirc$				
		i by Diane	Kuykendali			e:	Expiration F)ate:		
		nchoresour	ces.com	- ДАРР	TOYOU DA	<u> </u>	L-Apriation L	,		
<u>·</u>					· · · · · · · · · · · · · · · · · · ·					
	4. Property Cod 2 Oot Section 2 HILLS; GLOR Fork Type Well Multiple N Depth to Ground w 110 er Synthetic Seed Loop System Hole Size 17.5 11 7.875 Oposes to drill 1350' w/br much who will 1350' w/br much with 9.1, vis 29-36 will attempt Type DoubleRam Proved plan Name: Electro Regulatory Ana	4. Property Code 7 1953 ot Section Township 2 17S HILLS; GLORIETA-YESO fork Type 10. Well Well OII Multiple 15. Propos N 62 Depth to Ground water 110 er Synthetic 12 sed Loop System 1 Hole Size Casing 7 17.5 13.37 11 8.625 7.875 5.5 oposes to drill a 17-1/2" he 1350' w/br mud system, wt wt 9.1, vis 29-32. Test Yeso G will attempt to circulate Type DoubleRam certify that the information gives the distribution of the control of the control of the certify that the drilling pit will be proved plan 1. Name: Electronically filed the degulatory Analyst Address: dkuykendall@control.	1. Operator Nam COG OPERA 550 W T MIDLAND 4. Property Code 2 17S 30E HILLS; GLORIETA-YESO Fork Type Well OIL 5. Multiple N 6200 Depth to Ground water 110 er Synthetic 12 mils thick sed Loop System 19. Hole Size Casing Type 17.5 13.375 11 8.625 7.875 5.5 Casing Oposes to drill a 17-1/2" hole to 450' (3350' w/br mud system, wt 10, vis 30 wt 9.1, vis 29-32. Test Yeso formation G will attempt to circulate cement. Prope Type DoubleRam Type Wor DoubleRam Proved plan 3 general permit 3 or an oproved plan 3 general permit 4 or an oproved plan 4 or an oproved	1. Operator Name and Address COG OPERATING LLC 550 W TEXAS MIDLAND, TX 79701 4. Property Code 2 7. 953 At Property Code 2 178 30E I Section Township Range Lot Idn 30E I 8. PHILLS; GLORIETA-YESO Addition For Well OIL Multiple 15. Proposed Depth OPERATION OF Synthetic 110 Mills thick Clay Pit Volume 110 Mills Proposed Code 110 Mills Proposed Code 110 Mills Proposed Code 111 Mills Proposed Code 112 Mills Proposed Blo 112 Mills Proposed Blo 113 Mills Proposed Blo 113 Mills Proposed Blo 114 Mills Proposed Blo 115 Mills P	1. Operator Name and Address COG OPERATING LLC S50 W TEXAS MIDLAND, TX 79701 4. Property Code To Section Township Range 175 175 175 175 175 175 175 18. Pool Inform 186 196 196 197 198 198 199 10. Well Type OIL 10. Well Type OIL 11. Cable/Rotary 11. Cable/Rotary 12. mils thick 15. Proposed Depth N 16. Formation N 175 187 199 19. Proposed Casing and Hole Size 19. Proposed Casing weight/ft 11. Seed Loop System 12. Seed Loop System 13. Seed Loop System 14. Seed Loop System 15. Seed Loop System 15. Seed Loop System 16. Formation 16. Form	1. Operator Name and Address COG OPERATING LLC 550 W TEXAS MIDLAND , TX 79701 4. Property Code 7 Section Ot Section 178 30E 1 1650 S 8. Pool Information HILLS; GLORIETA-YESO Additional Well Information Of Section OIL	1. Operator Name and Address COG OPERATING LLC S50 W TEXAS MIDLAND , TX 79701	Althorage of the state of the s		

District I 1625 N. French Dr., Hobbs, NM 88240 District II

1301 W. Grand Ave., Artesia, NM 88210 District III

1000 Rio Brazos Rd., Aztec, NM 87410 District IV

1220 S. St Francis Dr., Santa Fe. NM 87505

State of New Mexico

Energy, Minerals and Natural Resources

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

Form C-102 Permit 106156

WELL LOCATIO	NAND	ACREAGE	DEDICA	ATION PL	ΑT
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	EL LOCATION AND MCKEAGE DE	OTCITE OTTE	
1. API Number	2. Pool Code	l Name	
	96718	LOCO HILLS; G	LORIETA-YESO
4. Property Code	5. Property Name		6. Well No
	YALE STATE		023
7. OGRID No.	8. Operator Name		9. Elevation
229137	COG OPERATING LLC		3767

10. Surface Location

	UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
ĺ	I	2	17S	30E	!	1650	S	990	Е	EDDY

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	1	Feet From	N/S L	ıne	Feet From	E/W Line	County
	icated Acres	13	Joint or Infill		14.	. Consolidation (Code			15. Order No.	

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

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OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-Signed By: Diane Kuykendall Title: Regulatory Analyst Date: 12/14/2009

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Surveyed By: Ronald Eidson Date of Survey: 12/9/2009 Certificate Number: 3239

Permit Comments

Operator: COG OPERATING LLC , 229137 Well: YALE STATE #023

API:

Created By	Comment	Comment Date
TECHOLOGICA	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	12/3/2009