<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 106155

Energy, Minerals and Natural Resources

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

AP	PLICATIO	N FOR P	ERMIT T	TO DRILL,	RE-EN	TER	R, DEE	PEN,	PLUGBA	.CK,	OR A	DD A ZONE
Operator Name and Address COG OPERATING LLC 550 W TEXAS										2. (OGRID N 22913	
							3	. API Nu	mber			
		1*	IIDLAND ,	17. 75701							2	กบริโด
	4. Property Cod	۵ م			5. Property	rty Name 6. Well No.						. Well No.
	379	55			YALE S	STATE 021						
		•		7. S	Surface	Loca	ition					
UL - L	UL - Lot Section Townsh		p Range	Lot Idn	Feet Fr			Feet From	E/\	W Line	County	
J	2	17S	30E	J	1650	0	S		2310		Е	EDDY
				8. P	ool Info	orma	tion					
LOCO	HILLS; GLOR	IETA-YES	O	0.1	001 1111	<u> </u>						96718
	•			Additio	nal Wal	l Inf	ormoti.	``				
0.1	Vork Type	10. We	I Tuna	r	Cable/Rotar		ormane		Lease Type		13 Grou	nd Level Elevation
	w Well	Ol. We		11.0	Zabie/Rotai	y		12.	State /	,	13. Glou	3750
14	1. Multiple	15. Propo	sed Depth	10	6. Formatic	on 17. Contractor 18. Spud D				18. Spud Date		
}	N	6	200	Yes	so Forma	tion				1		1/31/2010
Depth to Ground water Distance from nea						st fresh	water wel	I		Dis	tance to 1	nearest surface water
110						00		> 1000				
Pit: Liner: Synthetic 12 mils thick Clay Pit Volume: 5 Closed Loop System							bbls Dr			Diesel	/Oɪl-based	d [] Gas/Aır []
			19.	Proposed C	Casing a	nd C	ement	Prog	ram			
Type	Hole Size	Casing '		Casing Weigh			ing Dept		Sacks of C	Cemer	nt	Estimated TOC
Surf	17.5	13.3	75	48					450			0
Int1	11	8.62		24					500			0
Prod	rod 7.875 5.5 17				6200		900			0		
			Casing	g/Cement Pi	rogram	: Ad	ditiona	l Con	ıments			
												urface. Drill an 11"
note to system.	1350' w/br mud wt 9.1. vis 29-	i system, w 32. Test Ye	t 10, vis 30. eso formatic	. Set 8-5/8" cas on Run 5-1/2"	sing & ce casing &	ement ceme	to surfac	e. Drii face N	1 /-//8" hole Jote: On pro	e to 62 ductio	200° w/c on strins	g, a caliper will be
	G will attempt				- Cusing Co							5, a camper
			\mathbf{p}_1	roposed Blo	wout P	revei	ntion P	rnors	m			
	Туре			king Pressure	Would	1		st Pres			M	anufacturer
DoubleRam 2000					2000							
I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to							OIL CONSERVATION DIVISION					
NMOCD guidelines X, a general permit , or an (attached) alternative							Approved By:					1
	OCD-approved plan								JM.	76	M Dr	
	Title: Regulatory Analyst						oved Date	e:	-	(A)	ration D	Date:
	<u> </u>	<u> </u>	nchoresour	ces.com		· PPIC	,	··	_	z.vbi	acion D	
Email Address: dkuykendall@conchoresources.com Date: 12/10/2009 Phone: 432-683-7443												

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 106155

WELL LOCATION AND ACREAGE DEDICATION PLAT

***	DD DOCATION AND ACI	REMOL DEDICATION II	77 1 1		
1. API Number	2. Pool Code	3. Pool Name			
	96718	LORIETA-YESO			
4. Property Code	5. Proper	rty Name	6 Well No.		
	YALE	021			
7. OGRID No.	8. Operat	8. Operator Name			
229137	COG OPERA	3750			

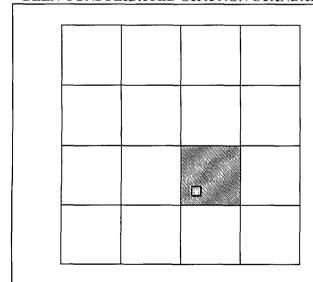
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County			
J	2	17S	30E		1650	S	2310	E	EDDY			

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S L	ine	Feet From	E/W Line	County
	cated Acres	13	Joint or Infill	1.	4. 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



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: 12/10/2009

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: 12/8/2009 Certificate Number: 3239

Permit Comments

Operator: COG OPERATING LLC, 229137 Well: YALE STATE #021

API:

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