District I 1625 N. French Dr., Hobbs. NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Azicc, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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State of New Mexico Energy Minerals and Natural Resources

Form C-101 May 27, 2004

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

Submit to	appropriate	District	Office
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☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, Operator Name and Address COG OPERATING LLC 550 W. Texas, Suite 1300 Midland, TX 79701							OGRID Number 299137 3API Number 30-015-31016				
] ;					
Property Code 302507 Imperial						y Name "Well No Il State 1					
° Proposed Pool 1							¹⁰ Prop	osed Pool 2			
	Loco	Hills; C	Blorieta, Yes	o 96	5718						
<u> </u>		, 	·			Location		Feet from the			
UL or lot no.	Section 16	Township 17S			33	30 S) South		East/West line East	County Eddy	
		~	8 Propo	sed Botto	om Hole Loca	tion If Differe	ent From	Surface			
UL or lot no	Section	Township	Range	Lot I	dn Feet fr	om the North	South line	Feet from the	East/West line	County	
				Ad	ditional We	ell Informat					
	Type Code		12 Well Type Cod					Lease Type Code	15 Grou	15 Ground Level Elevation	
	D . Iultiple		17 Proposed Dep	th		tary mation	 	S 19 Contractor		3674	
	N		6000		Your nearest fre	eso		D 6 .		As soon as approved	
Depth to Grou									n nearest surface w	ater	
	Synthetic		nils thick Clay	∐ Pit Vo	olumebb		Orilling Me			а ГЛ	
Close	d-Loop Sys	stem 🔼	21	Dropos	ed Casina a	and Cemen		r 🛛 Brine 🗌 Di	esel/Oil-based	Gas/Air []	
	,		i			1		1			
Hole Size Casing Size		Casing weight/foot		Setting 39			ement	Estimated TOC			
17-1/2 13-3/8		24		 	1123 47			·			
	12-1/4 8-5/8 7-7/8 5-1/2		17		<u> </u>	4921 985					
		4	11.3		600		115				
		d program.							one and proposed	new productive zone	
			ogram, if any Use				·	,		•	
					See	Attachm	ents				
			,								
			n given above is t				OII. C	CONSERVAT	TION DIVISI	ION	
best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines \square , a general permit \square , or				Approved by							
			proved plan .	B 1	J	γιρμοτοί σ		lacari	Keon	Nes	
Printed name Kanicia Carrillo \(\sigma\)					Title: C700 095T						
Title. Regulatory Analyst					Approval Dat	c: 11/11	717005	Expiration Date	111712011		
E-mail Addres	s ke	arrıllo@con	choresources com				+ + + + + + + + + + + + + + + + + + + +			· · · · · · · · · · · · · · · · · · ·	
Date: 10/19/09 Phone: 432-685-4332			Conditions of Approval Attached								

COG Operating, LLC
Imperial State 1 Deepening
Unit O, Sec 16, T17S, R30E
330 FSL & 1775 FEL
API# 30-015-31016
Eddy County, NM

Deepening Procedure

- 1. MIRU rig.
- 2. PU 4-3/4" bit and drill 4-3/4" from 4921' to 6000'.
- 3. POOH w/ bit and drillstring.
- 4. RIH w/ logs and log from TD to 4900'.
- 5. RIH w/ 4", 11.3# casing.
- 6. Cement casing from TD to 4850' w/ 115 sxs Class C cmt.
- 7. RDMO rig.

Completion Procedure

- 1. MIRU rig.
- 2. RIH/ w/ perforating guns and perforate Yeso from 5900 5700 w/ 2 spf, 30 holes.
- 3. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 190,000 # of sand. Set plug at 5650'.
- 4. RIH w/ perforating guns and perforate Yeso from 5600' 5400'.
- 5. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 190,000 # of sand. Set plug at 5350'.
- 6. RIH w/ perforating guns and perforate Yeso from 5300' 5100'.
- 7. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 190,000 # of sand.
- 8. RIH and drill out plug at 5350' and 5650'.
- 9. RIH and cut 4" casing at 4850'. POOH w/ 4" casing. Leave 4" liner from 4850' to 6000' (TD).
- 10. RIH w/ tbg and locate end of tbg at 4700'.
- 11. RIH w/ rods and pump.
- 12. RDMO rig.

DISTRICT I P.O. Bers 1860, Holder, Naf 56941-1986

State of New Mexico -

Energy, Minerals and Natural Resources Departm

Revised February 14, 1-1 Revised February 10, 1994

DISTRICT II P.O. Drawer DD. Artonia, NM 68211-0710

OIL CONSERVATION DIVISION

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT III 1000 Rio Brazos Rd., Artec, NM 87410

P.O. BOX 2088, BANTA PK, N.M. 87604-2058

DISTRICT IV

P.O. Box 2088 Santa Fe, New Mexico 8750422088.

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API 30-015	Number -3101	Pool Cods Pool Name of Pool Nam					rieta, Yeso			
Property 30250			Property Name IMPERIAL STATE						Well Number	
00RED N 22913			Operator Name COG Operating, LLC						Mevation 3674	
Surface Location										
UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County	
0	16	17 S	30 E		330	SOUTH	1775	EAST	EDDY	

Bottom Hole Location If Different From Surface UL or lot No. Section Township Lot Idn | Feet from the | North/South line | Feet from the East/West line Range County Dedicated Acres Consolidation Code Joint or Infill Order No.

40 NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

	OPERATOR CERTIFICATION I havely certify the the information contained herein is true and complete to the best of my investedge and belief.
	Signature Kanicia Carrillo Printed Name
	Regulatory Analyst 10/19/09 Date
	SURVEYOR CERTIFICATION I hornby certify that the well location ehron on this plat was plotted from field notes of actual remove made by one or under my supervisor, and that the waxe is true and correct to the best of my tolics.
++ ++	MARCH 9, 2000 Date Surveyed LMP Signature & Seal of Professional Surveyor
1775	Dany 5 h Jm 3/10/2000 00-11-0315 Certificate No. EQNALD 1. EIDSON 3239 GARY, EIDSON 12841 MACON MCDONALD 12185