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

Form C-101
Permit 99340

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address	2. OGRID Number
COG OPERATING LLC 550 W TEXAS MIDLAND , TX 79701	229137
	3. API Number 30-015-37231

4. Property Code	5. Property Name	6. Well No.
302497	G J WEST COOP UNIT	247

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	21	17S	29E	B	1015	N	1650	E	EDDY

8. Pool Information

GJ;7RVS-QN-GB-GLORIETA-YESO	97558

Additional Well Information

9. Work Type	10. Well Type	11. Cable/Rotary	12. Lease Type	13. Ground Level Elevation
New Well	OIL		State	3578
14. Multiple	**15. Proposed Depth**	**16. Formation**	**17. Contractor**	**18. Spud Date**
N	5550	Yeso Formation		8/31/2009

Depth to Ground water	Distance from nearest fresh water well	Distance to nearest surface water
110	> 1000	> 1000

Pit: Liner: Synthetic ☒ 12 mils thick Clay ☐ Pit Volume: 5000 bbls Drilling Method:
Closed Loop System ☐ Fresh Water ☒ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	300	400	0
Int1	11	8.625	24	850	400	0
Prod	7.875	5.5	17	5550	900	0

Casing/Cement Program: Additional Comments

COG proposes to drill a 17-1/2" hole to 300' w/fr water mud system, wt 8.5, vis 28, set 13-3/8" casing & cement to surface. Drill a 11" hole to 850'w/br mud system, wt 10, vis 30, set 8-5/8" casing & cement to surface. Drill a 7-7/8" hole to 5550'w/cut brine mud system, wt 9.1, vis 29-32. Test Yeso formation. Run 5-1/2" casing & cement to surface. Note: On production string, a caliper will be run, COG will attempt to circulate.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
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 NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**	OIL CONSERVATION DIVISION
	Approved By: Jacqueta Reeves
Printed Name: Electronically filed by Diane Kuykendall	Title: District Geologist
Title: Regulatory Analyst	Approved Date: 8/21/2009 | Expiration Date: 8/21/2011
Email Address: dkuykendall@conchoresources.com	
Date: 8/11/2009 | Phone: 432-683-7443	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(505) 393-6161 Fax:(505) 393-0720
District II
1301 W. Grand Ave., Artesia, NM 88210
Phone:(505) 748-1283 Fax:(505) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

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WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-015-37231	97558	GJ;7RVS-QN-GB-GLORIETA-YESO

4. Property Code	5. Property Name	6. Well No.
302497	G J WEST COOP UNIT	247

7. OGRID No.	8. Operator Name	9. Elevation
229137	COG OPERATING LLC	3578

10. Surface Location

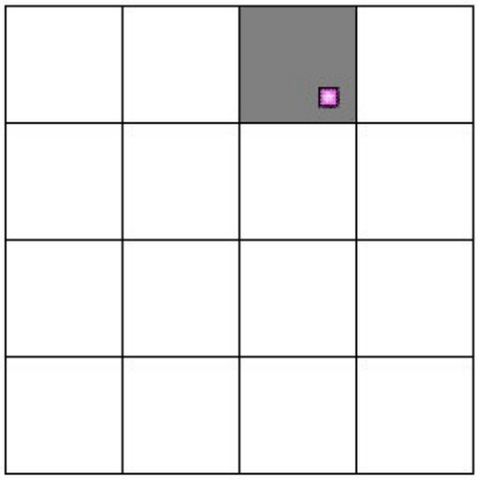
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	21	17S	29E		1015	N	1650	E	EDDY

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County

12. Dedicated Acres	13. Joint or Infill	14. Consolidation Code	15. Order No.
40.00			

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: 8/11/2009

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: 8/4/2009
Certificate Number: 3239

Permit Comments

Operator: COG OPERATING LLC , 229137
Well: G J WEST COOP UNIT #247
API: 30-015-37231

Created By	Comment	Comment Date
rodom	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	7/20/2009