State of New Mexico

Form C-101 Permit 67786

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

,					
Operator Name and Address	2. OGRID Number				
COG OPERATING LLC					
	3. API Number				
IIDLAND, TA 79701	30-015-36236				
5. Property Name	6. Well No.				
G J WEST COOP UNIT	197				
	Operator Name and Address OG OPERATING LLC 550 W TEXAS HIDLAND, TX 79701 5. Property Name				

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
н	21	17S	29E	Н	1650	N	330	E	EDDY

8. Pool Information

GJ;7RVS-QN-GB-GLORIETA-YESO	07550
Q1,7KV3-QN-GE-GEORETA-1E3O	81333

Additional Well Information

	5-03						(16)
9. Work Type New Well	20023	0. Well Type OIL				12. Lease Type State	13. Ground Level Elevation 3565
14. Multiple N	15. Prop	Proposed Depth		16. Formation Yeso Formation		17. Contractor	18. Spud Date 4/9/2008
Depth to Ground water 110			Di	istance from neares	t fresh water we	in l	Distance to nearest surface water
it: Liner: Synthetic Closed Loop System	<u> </u>	mils thick	Clay	Pit Volume:		rilling Method: resh Water Brine	Diesel/Oil-based Gas/Air

19. Proposed Casing and Cement Program

Туре	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	32	850	600	0
Prod	7.875	5.5	17	5600	1200	0

Casing/Cement Program: Additional Comments

COG proposes to drill a 17-1/2" hole to 300' w/fr wtr mud system, wt 8.5, vis 28, set 13-3/8" casing & cement to surface. Drill an 11" hole to 850' w/for mud system, wt 10, vis 30. Set 8-5/8" casing & cement to surface. Drill 7-7/8" hole to 5600' w/cut brine mud system, wt 8.7, 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 cement.

Proposed Blowout Prevention Program

Туре	Working Pressure					
DoubleRam	2000	2000				

I hereby certify that the information given above is true and complete to the be of my knowledge and belief. I further certify that the drilling pit will be constructed according to	OIL CONSERVATION DIVISION				
NMOCD guidelines, a general permit, or an (attached) alternative OCD-approved plan	Approved By: Tim Gum				
Printed Name: Electronically filed by Diane Kuykendall	Title: District Supervisor				
Title: Regulatory Analyst	Approved Date: 3/26/2008 Expiration Date: 3/26/201	0			
Email Address: dkuykendall@conchoresources.com					
Date: 3/24/2008 Phone: 432-683-7443	Conditions of Approval Attached				

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(505) 393-6161 Fax:(505) 393-0720

<u>District II</u>

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

<u>District III</u>

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

Form C-102 Permit 67786

Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr.

Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

4,737						
1. API Number	2. Pool Code	3.1	Pool Name			
30-015-36236	97558 GJ;7RVS-QN-GB-GLORIETA-YESO					
4. Property Code	5. Property	6. Well No.				
302497	G J WEST CO	197				
7. OGRID No.	8. Operator	r Name	9. Elevation			
229137	COG OPERA	COG OPERATING LLC 3565				

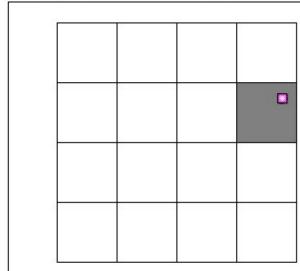
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
Н	21	17S	29E		1650	N	330	E	EDDY

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Т	ownship	Range	Lot	Idn	Feet From	N/S L	ine	Feet From	E/W Line	County
	ated Acres		13. 1	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



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: 3/24/2008

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: 3/11/2008 Certificate Number: 3239

Permit Comments

Operator: COG OPERATING LLC , 229137 Well: G J WEST COOP UNIT #197

API: 30-015-36236

Created By	Comment	Comment Date
PEDWARDS	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	1/16/2008

Permit Conditions of Approval

Operator: COG OPERATING LLC , 229137 Well: G J WEST COOP UNIT #197

API: 30-015-36236

OCD Reviewer	Condition
IKMWIISOD	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines