State of New Mexico

Form C-101 Permit 63844

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

	The state of the s					
	. Operator Name and Address	2. OGRID Number				
	229137					
	550 W TEXAS MIDLAND , TX 79701	3. API Number				
	WIDLAND, TA 19701					
4. Property Code	5. Property Name	6. Well No.				
302497 G J WEST COOP UNIT		176				

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	15	17S	29E	M	990	S	1240	W	EDDY

8. Pool Information

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

Additional Well Information

9. Work Type New Well	10. We	ll Type 11. Cable/Rotary IL		12. Lease Type State	13. Ground Level Elevation 3553
14. Minhiple N	5000000	osed Depth 550	16. Formation Yeso Formation	17. Contractor	18. Spud Date 12/1/2007
Depth to Ground v 110	water		Distance from nearest fresh water we > 1000	п	Distance to nearest surface water > 1000
Pit: Liner: Synthetic 🔀 Closed Loop System	_	mils thick		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	350	350	0
Int1	12.25	8.625	24	850	100	0
Prod	7.875	5.5	17	5550	1700	0

Casing/Cement Program: Additional Comments

COG proposes to dr 17-1/2" hole to 300' w/fr water mud system, wt 8.5, vis 28 & set 13-3/8" csg & cmt to surf. Dr 12-1/4" to 850' w/br mud system, wt 10, vis 30. Set 8-5/8" csg & cmt to surf. Directionally dr 7-7/8" hole to 5550' TVD w/cut brine mud system, wt 9.1, vis 29-32. Test Yeso formation. Run 5-1/2" csg & cmt to surf. Note: On prod string, a caliper will be run & COG will attempt to cement to surface.

Proposed Blowout Prevention Program

Туре	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	OIL CONSERVATION DIVISION				
NMOCD guidelines X , a general permit Γ , or an (attached) alternative OCD-approved plan Γ .	Approved By: Bryan Arrant				
Printed Name: Electronically filed by Diane Kuykendall	Title: Geologist				
Title: Regulatory Analyst	Approved Date: 11/13/2007 Expiration Date: 11/13/2008				
Email Address: dkuykendall@conchoresources.com					
Date: 11/9/2007 Phone: 432-685-4372	Conditions of Approval Attached				

District I

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

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

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 Pennit 63844

Energy, Minerals and Natural Resources

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

***	ELL LOCATION AND ACI	CEAGE DEDICATION FE	71
1. API Number	2. Pool Code	3. Poo	l Name
30-015-35923	97558	GJ;7RVS-QN-GB-	GLORIETA-YESO
4. Property Code	5. Propert	y Name	6. Well No.
302497	G J WEST C	176	
7. OGRID No.	8. Operator Name		9. Elevation
229137	COG OPERA	3553	

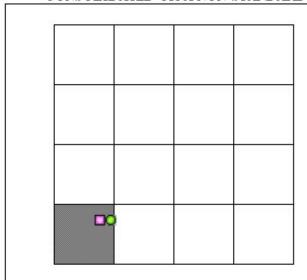
10. Surface Location

Š	UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
	M	15	17S	29E		990	S	1240	w	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
M	15	17S	29E	M	990	S	990	W	
12. Dedi	cated Acres	13. J	oint or Infill	1	. Consolidation	Code	3	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: 11/9/2007

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: 10/30/2007 Certificate Number: 3239

Permit Comments

Operator: COG OPERATING LLC , 229137 Well: G J WEST COOP UNIT #176

API: 30-015-35923

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.	11/9/2007
PEDWARDS	Directional plan and original C-102 will be mailed in a few days.	11/9/2007

Permit Conditions of Approval

Operator: COG OPERATING LLC , 229137 Well: G J WEST COOP UNIT #176

API: 30-015-35923

OCD Reviewer	Condition
BArrant	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
BArrant	Will require a directional survey with the C-104
BArrant	As noted, operator to drill surfae hole w/fresh water mud.
BArrant	Operator to set casing above the Salado.
BArrant	Note surface casing setting depth.