State of New Mexico

Form C-101 Permit 116795

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

COG OP	Name and Address ERATING LLC	OGRID Number 229137	
	W TEXAS ND , TX 79701	3. API Number 30-015-38166	
4. Property Code 36826	5. Property Name TEX-MACK	6. Well No. 237	

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	2	17S	31E	H	1650	N	790	E	EDDY

8. Pool Information

FREN:GLORIETA-YESO, EAST	97213
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Additional Well Information

9. Work Type New Well	10. Wett Type OIL			13. Ground Level Elevation 4018
14. Multiple N	15. Proposed Dept 6775	16. Formation Yeso Formation		
Depth to Ground	water	Distance from nearest fresh water > 1000	well	Distance to nearest surface water > 1000
Pit: Liner: Synthetic D Closed Loop Syste	_	k Clay Pit Volume: 5000 bbls	Drilling Method: Fresh Water X Brine	Diesel/Oil-based Gas/Air

19. Proposed Casing and Cement Program

					0	
Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17	13.375	48	475	500	0
Int1	11	8.625	32	1800	550	0
Prod	7.875	5.5	17	6775	900	0

Casing/Cement Program: Additional Comments

COG proposes to drill a 17" hole to 475' w/fr wtr mud system, wt 8.5, vis 28, set 13-3/8" casing & cement to surface. Drill an 11" hole to 1800' w/br mud system, wt 10, vis 30. Set 8-5/8" casing & cement to surface. Drill a 7-7/8" hole to 6775' 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 cement.

Proposed Blowout Prevention Program

	1 Toposcu Dionout 1	C CHEIGH I I Ogi am	
Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	2000	2000	

I hereby certify that the information given above is of my knowledge and belief. I further certify that the drilling pit will be con		OIL CONSERVATION DIVISION Approved By: Randy Dade Title: District Supervisor				
NMOCD guidelines X, a general permit , or OCD-approved plan .	an (attached) alternative					
Printed Name: Electronically filed by Dian	ne Kuykendall					
Title: Regulatory Analyst		Approved Date: 11/15/2010	Expiration Date: 11/15/2012			
Email Address: dkuykendall@conchoreson	urces.com	(****)	* 111			
Date: 9/1/2010 Phone: 4	32-683-7443					

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

Form C-102 Permit 116795

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3 Po	of Name
30-015-38166	97213		TA-YESO, EAST
4. Property Code	5. Property	Name	6. Wett No.
36826	TEX-MACK		237
7. OGRID No.	8. Operator	r Name	9. Elevation
229137	COG OPERA	TING LLC	4018

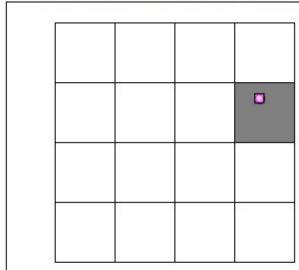
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	2	17S	31E	1.4.	1650	N	790	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
V. 100 100 100 100 100 100 100 100 100 10	cated 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: 9/1/2010

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: 8/10/2010 Certificate Number: 3239

Permit Comments

Operator: COG OPERATING LLC , 229137 Well: TEX-MACK #237

API: 30-015-38166

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.	7/1/2010