State of New Mexico

Form C-101 Permit 64121

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

201111021110111 OIL	TERMIT TO DICIDE, RE-ENTER, DEEL EN	I BOODMER, OR MODE M BOTTLE	
1.	Operator Name and Address	2. OGRID Number	
C	229137		
	550 W TEXAS MIDLAND , TX 79701	3. API Number	
1	MDLIND, 12 77701	30-015-35941	
4. Property Code	5. Property Name	6. Well No.	
302591	YUCCA STATE	004	

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	16	17S	31E	L	2310	S	430	W	EDDY

8. Pool Information

Additional Well Information

9. Work Type New Well	2003	. Well Type 11. Cable/Rotary OIL					13. Ground Level Elevation 3768
14. Mühtiple N	1000000	osed Depth 400	16. Formation Yeso Formation	17. Contractor	18. Spud Date		
Depth to Ground v 116	Depth to Ground water Distance from nearest fresh water well 116 > 1000				Distance to nearest surface water > 1000		
Pit: Liner: Synthetic X 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	500	0
Int1	12.25	8.625	32	1620	800	0
Prod	7.875	5.5	17	6400	1200	0

Casing/Cement Program: Additional Comments

COG proposes to dr 17-1/2" hole to 450' w/fr water mud system, wt 8.5, vis 28. Run 13-3/8" csg & cmt to surf. Dr 12-1/4" hole to 1620 w/ br mud system, wt 10, vis 30. Run 8-5/8" csg & cmt to surf. Dr 7-7/8" hole to 6400' w/cut brine mud system, wt 9.1, vis 29-32. Test Yeso formation. Run 5-1/2" csg & cmt. Note: On production string a caliper will be run & COG will attempt to circulate 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: 11/30/2007 Expiration Date: 11/30/2008				
Email Address: dkuykendall@conchoresources.com					
Date: 11/28/2007 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

District II

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 64121

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

10707					
1. API Number	2. Pool Code	3. Pool Name			
30-015-35941	26770	FREN; GLORIETA-YESO			
4. Property Code	5. Property N	ame 6. Well No.			
302591	YUCCA ST	ATE 004			
7. OGRID No.	8. Operator N	ame 9. Elevation			
229137	COG OPERATI	NG LLC 3768			

10. Surface Location

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ſ	UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
	L	16	17S	31E		2310	S	430	w	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
100000000000000000000000000000000000000	cated Acres	13	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

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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: 11/28/2007

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: 11/6/2007 Certificate Number: 3239

Permit Comments

Operator: COG OPERATING LLC , 229137 Well: YUCCA STATE #004

API: 30-015-35941

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.	11/13/2007

Permit Conditions of Approval

Operator: COG OPERATING LLC , 229137 Well: YUCCA STATE #004

API: 30-015-35941

OCD Reviewer	Condition
BArrant	As noted, operator to drill surface hole w/fresh water mud.
BArrant	Operator to set surface casing above the Salado and into the anhydrite section of the Rustler formation.
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