## State of New Mexico

Form C-101 Permit 65072

# **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

- INTERCENTION OF	TELEMIT TO BILLED, TELEMITER, BEET ET, I	ne obliteit, oit in britain
1.	Operator Name and Address	2. OGRID Number
COG OPERATING LLC		229137
, n	550 W TEXAS MIDLAND , TX 79701	3. API Number
1	MDEHILD, 12 77/01	30-015-35945
4. Property Code	5. Property Name	6. Well No.
302513	JUNIPER STATE	005

#### 7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	17	17S	30E	P	990	S	100	E	EDDY

#### 8. Pool Information

LOCO HILLS; GLORIET A-YESO
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#### Additional Well Information

	501	I MANUAL II CHI I I I I I I I I I I I I I I I I	· · · · · · · · · · · · · · · · · · ·	
9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3664
14. Multiple	15. Proposed Depth	16. Formation	17. Contractor	18. Spud Date
И	5850	Yeso Formation		1/10/2008
Depth to Ground	water	Distance from nearest fresh water v	vell	Distance to nearest surface water
150		> 1000		> 1000
it: Liner: Symthetic D	7 12 mils thick	Clay Pit Volume: 5000 bbls	Drilling Method:	
Closed Loop System	n T	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Fresh Water Brine	Diesel/Oil-based 🗌 Gas/Air 🗙

19. Proposed Casing and Cement Program

	1.5.51.52/11/15/5					
Туре	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	425	450	0
Int1	12.25	8.625	32	1225	850	0
Prod	7.875	5.5	17	5850	1000	0

### Casing/Cement Program: Additional Comments

COG proposes to drill a 17-1/2" hole to 425' w/fr wtr mud system, wt 8.5, vis 28. Run 13-3/8" csg & cmt to surf. Drill 12-1/4" hole to 1225' w/brine mud system, wt 10, vis 30. Run 8-5/8" csg & cmt to surf. Directionally drill 7-7/8" hole to apprx 5850' TVD, 5918' MD w/cut brine mud system, wt 9.1, vis 29-32. Test Yeso formation. Run 5-1/2" csg & cmt to surf. Note: On production string, a caliper will be run & COG will attempt to circulate cement.

**Proposed Blowout Prevention Program** 

3	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 $\Gamma$ , or an (attached) alternative OCD-approved plan $\Gamma$ .	Approved By: Bryan Arrant		
Printed Name: Electronically filed by Diane Kuykendall	Title: Geologist		
Title: Regulatory Analyst	Approved Date: 12/6/2007 Expiration Date: 12/6/2008		
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., Azzec, 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 65072

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

, rr	LLL LOCATION AND ACI	LAGE DEDICATION 1 L2	11
1. API Number	2. Pool Code	3. Pool	Name
30-015-35945	96718	LOCO HILLS; G	LORIETA-YESO
4. Property Code	5. Property	y Name	6. Well No.
302513	JUNIPER STATE		005
7. OGRID No.	8. Operato	r Name	9. Elevation
229137	COG OPERA	TING LLC	3664

10. Surface Location

Š	UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
,	P	17	17S	30E		990	S	100	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
M	16	17S	30E	M	990	S	330	W	EDDY
1075110755	cated Acres	13. Ј	oint 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: 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: 9/12/2007 Certificate Number: 3239

# **Permit Comments**

Operator: COG OPERATING LLC , 229137 Well: JUNIPER STATE #005

API: 30-015-35945

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.	11/28/2007
PEDWARDS	C-102 and directional plan to follow.	11/28/2007

# Permit Conditions of Approval Operator: COG OPERATING LLC, 229137 Well: JUNIPER STATE #005

30-015-35945 API:

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	As noted, operator to drill surface hole w/fresh water.
BArrant	Operator to set surface casing above the Salado.
BArrant	Will require a directional survey with the C-104