# State of New Mexico

Form C-101 Permit 129368

# **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	ator Name and Address OPERATING LLC	2. OGRID Number 229137	
550 W TEXAS		3. API Number	
MIDLAND, TX 79701		30-025-40103	
4. Property Code	5. Property Name	6. Wett No.	
38554	STRATOJET 31 STATE COM	003H	

## 7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	31	20S	35E	N	330	S	1980	W	LEA

### 8. Pool Information

BERRY;BONE SPRING, NORTH	5525
BERKI, BONE SEKING, NORTH	1 2232

## Additional Well Information

	101	. Idditional II cli Intoli	III III II	
9. Work Type New Well	10. Well Type OIL	e 11. Cable Rotary	12. Lesse Type State	13. Ground Level Elevation 3725
14. Multiple N	15. Proposed D 14340	epth 16. Formation Bone Spring	17. Contractor	18. Spud Date 4/11/2011
Depth to Ground	water	Distance from nearest fresh wat	er well	Distance to nearest surface water
Liner: Synthetic Closed Loop Syste	mils	thick Clay Pit Volume: bb	ls Drilling Method: Fresh Water X Brine I	Diesel/Oil-based Gas/Air

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1850	1500	0
Int1	12.25	9.625	40	5800	1500	0
Prod	7.875	5.5	17	14340	1500	3500

## Casing/Cement Program: Additional Comments

Plan to drill a 17-1/2" hole to 1850' with FW. Run 13-3/8", 54.5#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 5800' with brine, and run 9-5/8", 36#/40#, BUTT, J-55/N-80 (with possible DVT/ECP set 200' above reef @ approx 4000') and cement to surface. Drill 7-7/8" hole with cut brine to 11,000'. Run logs, plug back to 9400' to kick off and drill lateral to 14,340' MD (9914' TVD). Run 5-1/2", 17#, P-110 csg and cement to 3500' in 2 stages.

Proposed Blowout Prevention Program

Γ	Type	Working Pressure	Test Pressure	Manufacturer
	DoubleRam	3000	3000	Cameron

of my knowledge and belief.	given above is true and complete to the best oit will be constructed according to	OIL CONSERVATION DIVISION		
	permit , or an (attached) alternative	Approved By: Paul Kautz		
Printed Name: Electronically	filed by Diane Kuykendall	Title: Geologist		
Title: Production Reporting N	/lgr	Approved Date: 3/31/2011	Expiration Date: 3/31/2013	
Email Address: dkuykendall@	conchoresources.com			
Date: 3/29/2011 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

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 129368

# 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. Pool Name
30-025-40103	5535		ONE SPRING, NORTH
4. Property Code	5. Property Name		6. Wett No.
38554	STRATOJET 31 STATE COM		003H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC		9. Elevation 3725

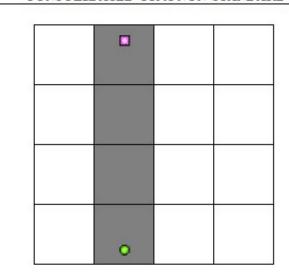
#### 10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	31	20S	35E		330	S	1980	W	LEA

### 11. Bottom Hole Location If Different From Surface

UL - Lot	Section 31	Township 20S	Range 35E	Lot Idn	Feet From 330	N/S Line	Feet From 1980	E/W Line	County LEA
	ated Acres		oint or Infill	14	. Consolidation	Code		15. Order No.	LLI

# 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: Production Reporting Mgr

Date: 3/29/2011

## 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: 2/24/2011 Certificate Number: 3239

# **Permit Comments**

Operator: COG OPERATING LLC , 229137 Well: STRATOJET 31 STATE COM #003H

API: 30-025-40103

Created By	Comment	Comment Date
krobinson2	COG Operating has conducted a review to determine if an H2S contingency plan is required for the above referenced well. We were able to conclude that any potential hazardous volume would be minimal. H2S concentrations of wells in this area from surface to TD are low enough; therefore we do not believe that an H2S Contingency Plan would be necessary.	3/29/2011
pkautz	Land P/S	3/29/2011
DMULL	In my research of this location and intent to drill, I see that the surface is Fee and Sub-surface is State. Also the proration unit has two state lease number VO8250 & VO8251. With these two numbers you also need to add Com in the property name. Please correct and re-submit. If you have questions please call Donna Mull (575) 393-6161 ext 115.	3/29/2011
DMULL	OCD Hobbs office has received form C-144 CLEZ. OCD Permit Number P1-03053.	3/31/2011

# Permit Conditions of Approval

Operator: COG OPERATING LLC , 229137 Well: STRATOJET 31 STATE COM #003H

API: 30-025-40103

OCD Reviewer	Condition
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string