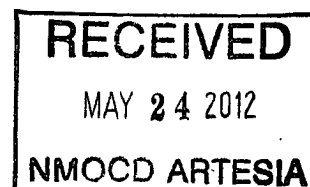


District I
1625 N French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax (575) 393-0720
District II
811 S First St., Artesia, NM 88210
Phone (575) 748-1283 Fax (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax (505) 476-3462

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised December 16, 2011

Permit



APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address COG Operating LLC 2208 West Mam Street Artesia, NM 88210		² OGRID Number 229137
		³ API Number 30-015-40336
⁴ Property Code 3082269	⁵ Property Name Way South State Com	⁶ Well No #2H

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
1	30	26S	28E		1000'	North	380'	West	Eddy

⁸ Pool Information

HAY Hollow; Bone Spring	30215
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Additional Well Information

⁹ Work Type New Well	¹⁰ Well Type Oil	¹¹ Cable/Rotary	¹² Lease Type State	¹³ Ground Level Elevation 3118'
¹⁴ Multiple N	¹⁵ Proposed Depth 10500	¹⁶ Formation 2 nd Bone Spring Sand	¹⁷ Contractor	¹⁸ Spud Date 5/28/12
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

¹⁹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf.	17.5	13.375	48	400	400	0
Int 1	12.25	9.625	36	2300	600	0
Prod.	7.875	5.5	17	10500	750	2000

Casing/Cement Program: Additional Comments

Plan to drill a 17-1/2" hole to 400' with Fresh Water. Run 13-3/8 casing cement with 400 sk toc. Drill 12-1/4" hole to 2300 with Brine water, set 9-5/8 casing cement with 600 sk cement toc 0. Drill 7 7/8 pilot hole to 9400 with cut brine run electric logs then plug back and drill Horizontal at TVD of 6550 to new BHL run 5 1/2 casing, cement with 750 sk cement TOC 2000.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	Cameron

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 NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature

Mayte Reyes

Printed name: Mayte Reyes

Title: Regulatory Analyst

E-mail Address: mreyes1@concho.com

Date: 5/23/12

Phone: 575-748-6945

OIL CONSERVATION DIVISION

Approved By.

T.C. Shepard

Title:

Geologist

Approved Date: *5/25/2012*

Expiration Date: *5/25/2014*

Conditions of Approval Attached