

District I
1625 N. French Dr. Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720

District II
811 S. First St. Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720

District III
1000 Rio Brazos Rd. Artesia, 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) 476-3482

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

Form C-121
August 1, 2011

Permit: 156666

OCT 24 2012

RECEIVED

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

1. Operator Name and Address COG OPERATING LLC One Concho Center Midland, TX 79701		2. OGRID Number 229137
		3. API Number 30-025-40829
4. Property Code 39507	5. Property Name HICKORY 14 STATE	6. Well No 002

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	14	17S	35E	M	330	S	330	W	LEA

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
<i>Amended</i> M	14	17S	35E	M	330	S	330	W	Lea

9. Pool Information

VACUUM, BLINEBRY, NORTHEAST	97021
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable Rotary	14. Lease Type State	15. Ground Level Elevation 3936
16. Multiple N	17. Proposed Depth 8600	18. Formation Yaso Formation	19. Contractor	20. Spud Date 11/30/2012
Depth to Ground water 110		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	15.575	48	480	450	0
Intl	11	8.625	32	4900	1000	0
Prod	7.875	5.5	17	8600	1000	0

Casing/Cement Program: Additional Comments

COG proposes to drill a 17-1/2" hole to 480' w/br mud system, wt 8.5, vis 28, set 13-3/8" casing & cement to surface. Drill an 11" hole to 4900' w/br mud system, wt 10 vis 30. Set 8-5/8" casing & cement to surface. Drill 7-7/8" hole to 8600' w/cut brine mud system, wt 9.1 vis 29-32. Test Yaso formation. Run 5-1/2" casing & cement to surface. Note: On production string, a caliper will be run. COG will attempt to circulate cement.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	2000	2000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature: _____ Printed Name: Electronically filed by Diane Kuykendall Title: Production Reporting Mgr Email Address: dkuykendall@conchoresources.com Date: 10/22/2012 Phone: 432-683-7443	OIL CONSERVATION DIVISION Approved By: ELIDIO GONZALES Title: HOBBS STAFF MANAGER Approved Date: 10/23/2012 Expiration Date: 10/23/2014 Conditions of Approval Attached
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OCT 24 2012

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