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 July 18, 2013

☐ AMENDED REPORT

RECEIVED
JAN 29 2014
NMOCD ARTESIA

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

1. Operator Name and Address	2. OGRID Number
COG Operating LLC One Concho Center 600 W Illinois Ave, Midland, TX 79701	229137
	3. API Number 30-015-33167

4. Property Code	5. Property Name	6. Well No.
302518	Maple State	1

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
1	30	17S	28E		990	North	330	West	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

9. Pool Information

Pool Name	Pool Code
Red Lake; Glorieta-Yeso, Northeast	96839

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
R	O	R	State	3538
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
		Yeso		

Depth to Ground water	Distance from nearest fresh water well	Distance to nearest surface water

☒ **We will be using a closed-loop system in lieu of lined pits**

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC

Casing/Cement Program: Additional Comments

Original casing will remain the same. Please see attachment for procedure.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☐, if applicable.** Signature: K Castillo	OIL CONSERVATION DIVISION Approved By: T. C. Shepard
Printed name: Kanicia Castillo	Title: "Geologist"
Title: Lead Regulatory Analyst	Approved Date: 1-30-2014 Expiration Date: 1-30-2016
E-mail Address: kcastillo@concho.com	
Date: 1/28/14 Phone: 432-685-4332	Conditions of Approval Attached

COG Operating Procedure

Maple State #1
Sec. 30-17S-28E, Eddy County, NM

Objective: Squeeze the Queen interval, drill out cement and CIBP, squeeze the GB/SA perfs, drill out cement and CIBP and clean out wellbore to at least 4500'. We will then perforate, acidize and frac the Blinebry interval in three stages and install a 320-305-120 pumping unit.

1.) MIRU WSU. TOH with rods and pump. Load hole, install BOP and TOH with tubing.
2.) TIH with workstring and packer. Set packer at 1100'. Establish injection rate and squeeze Queen perfs with 30 sacks of Class C cement. Release packer, pull up 3 stands and reverse clean. Reset packer and pressure up to 300 psi, WOC.
3.) Rig up reverse unit and drill out cement. Test casing to 500 psi. Drill out CIBP @ 1620'. TIH to plug and cement at 2464'. TOH
4.) TIH with packer and tubing. Set packer at 1550'. Establish injection rate and squeeze GB/SA perfs with 50 sacks of Class C cement. Release packer, pull up 3 stands and reverse clean. Reset packer and pressure up to 300 psi, WOC.
5.) TIH with bit, collars and tubing. Drill out cement. Test casing to 500 psi. Drill out CIBP and cement 2465-2500'. Clean out to at least 4700'.
6.) RU wireline and perforate the Lower Blinebry stage with 1 spf, .41" hole as follows: 4490, 4482, 4474, 4466, 4458, 4450, 4442, 4434, 4426, 4418, 4410, 4402, 4394, 4386, 4378, 4370, 4362, 4354, 4346, 4338, 4330, 4322, 4314, 4306, 4298, 4290. (26 holes).
7.) RIH with 3 ½" N80 9.3# workstring and packer. Set packer at 4190'.
8.) Acidize with 3500g 15% NEFE HCl and 50 bio balls.
9.) Frac the Lower Blinebry with 114850g 20# cross linked gel and 148400 lbs 16/30 white sand and 30000 lbs resin coated sand.
10.) Flowback and POH with tubing and packer.
11.) RU wireline and perforate the Middle Blinebry stage with 1 spf, .41" hole as follows: 4220, 4212, 4204, 4196, 4188, 4180, 4172, 4164, 4156, 4148, 4140, 4132, 4124, 4116, 4108, 4100, 4092, 4084, 4076, 4068, 4060, 4052, 4044, 4036, 4028, 4020. (26 holes).
12.) Set a composite bridge plug at 4250'
13.) RIH with 3 ½" N80 9.3# workstring and packer. Set packer at 3920'.
14.) Acidize with 3500g 15% NEFE HCl and 50 bio balls.
15.) Frac the Middle Blinebry with 114850g 20# cross linked gel and 148400 lbs 16/30 white sand and 30000 lbs resin coated sand.
16.) Flowback and POH with tubing and packer.
17.) RU wireline and perforate the Middle Blinebry stage with 1 spf, .41" hole as follows: 3950, 3942, 3934, 3926, 3918, 3910, 3902, 3894, 3886, 3878, 3870, 3862, 3854, 3846, 3838, 3830, 3822, 3814, 3806, 3798, 3790, 3782, 3774, 3766, 3758, 3750. (26 holes).
18.) Set a composite bridge plug at 3980'.
19.) RIH with 3 ½" N80 9.3# workstring and packer. Set packer at 3650'.

20.) Acidize with 3500g 15% NEFE HCl and 50 bio balls.

21.) Frac the Upper Blinebry with 114850g 20# cross linked gel and 148400 lbs 16/30 white sand and 30000 lbs resin coated sand.

22.) Flowback and POH with tubing and packer.

23.) TIH w/ 2⅞" tubing and drill out plugs at 3980' and 4250' and clean out to at least 4700'.

24.) TIH with 2⅞" production string, rods and pump and place well on production.