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State of New Mexico

Form C-101
Revised July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division

☐ AMENDED REPORT

1220 South St. Francis Dr.

Santa Fe, NM 87505

HOBBS OCD

DEC 09 2013

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 600 W Illinois Ave Midland, TX 79701		² OGRID Number 229137
		³ API Number 30-025-35323
⁴ Property Code 302453	⁵ Property Name Barracuda State	⁶ Well No. 1 y

⁷ Surface Location

UL - Lot D	Section 9	Township 17S	Range 33E	Lot Idn	Feet from 945	N/S Line North	Feet From 966	E/W Line West	County Lea
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⁸ Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
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⁹ Pool Information

Pool Name Maljamar Cisco	Pool Code 43270
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Additional Well Information

¹¹ Work Type R P	¹² Well Type O	¹³ Cable/Rotary R	¹⁴ Lease Type State	¹⁵ Ground Level Elevation 4199
¹⁶ Multiple N	¹⁷ Proposed Depth 11,769	¹⁸ Formation Cisco	¹⁹ Contractor	²⁰ Spud Date
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

Using original casing. Run 2-7/8" L-80 tbg and 2-7/8" x 5-1/2" gas vent Packer set at 10,400' - 10,600'.

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 <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable. Signature:		OIL CONSERVATION DIVISION	
Printed name: Kanicia Castillo		Approved By:	
Title: Lead Regulatory Analyst		Title: Petroleum Engineer	
E-mail Address: kcastillo@concho.com		Approved Date: DEC 10 2013	
Date: 11/3/13		Expiration Date:	
Phone: 432-685-4332		Conditions of Approval Attached	

DEC 10 2013

Barracuda State # 1

CISCO Re-Completion procedure

- MI RU.
- Load and pressure test tubing.
- Pump 200 bbls of 2% KCL down the tubing & casing annulus.
- Pull the rods and pump visually inspecting.
- ND WH and NU and function & pressure test BOP, release TAC,
- POOH w/ production tbg.
- RU Reverse unit and foam unit
- PU and RIH w/ 2-7/8" tubing workstring and 4-3/4" bit to drill out CIBP @ 11,300 ft.,
- Circulate hole clean.
- POOH w/ bit and tbg.
- PU & RIH w/ 2-7/8" L-80 production tubing and 2-7/8" x 5-1/2" treating Packer
- Set packer @ 11,500 ft.
- RU Acid company, establish pump rate and pump 120 bbls of 2% KCL water @ 15 BPM
 - Record pressure and rates
 - Notify engineer of results.
- Acidize old CISCO perms. 11,592– 11,629 ft. with 1,000gals 20% NEFE HCL-Lead Acid with Iron Control, then 5,000 Gals 20% HCL, flushed with 100 bbls of 2% KCl w/ clay stabilizer and scale inhibitor.
 - Record and report: max. treating rate and pressure, avg. treating rate and pressure., ISIP, 10 MIN ISISP
 - Notify engineer of results.
- Swab fluids back and report results.
- POOH and LD treating packer ,
- PU and RIH w/ 2-7/8" x 5-1/2" gas vent packer, 2-7/8" L-80 production tubing and tubing BHA
- Set SN @ 11,650 ft. and the TAC @ 10,350 ft. with 2-7/8" pre-perforated Jt. and 2 jts. of 2-7/8" tubing MA w/ BP.
- PU and RIH w/ production rod pump and rods as per detailed design.
- Space out, load and test for pump action, and hang well on.
- Inspect PU alignment and level carrier bar.
- MO and Turn well to production.
- Production test well for a minimum of 1 month (CISCO payzone)
- MI RU
- POOH w/ production equipment and packer.
- Lay down packer
- RBIH production equipment

- Put well back on production
 - Commingle Wolfcamp and Cisco.
- MO and Turn well to production.
- Production test well.

COG Operating LLC

Lease & Well # Barracuda State 1Y

SPUD: 8/21/01

Elevation - 4200'

KB -

