

**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**

**HOBBS OCD**

**Oil Conservation Division**  
**1220 South St. Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
Revised July 18, 2013

DEC 26 2013 AMENDED REPORT  
**RECEIVED**

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

<sup>1</sup> Operator Name and Address COG Operating LLC One Concho Center 600 W Illinois Ave, Midland, TX 79701		<sup>2</sup> OGRID Number 229137	
		<sup>3</sup> API Number 30-025-35675	
<sup>4</sup> Property Code 302470	<sup>5</sup> Property Name Chinook State	<sup>6</sup> Well No. 1	

**<sup>7</sup> Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
G	10	17S	33E		1650	North	2001	East	Lea

**<sup>8</sup> Proposed Bottom Hole Location**

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

**<sup>9</sup> Pool Information**

Pool Name Sanmal;Penn	Pool Code 54340
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**Additional Well Information**

<sup>11</sup> Work Type R	<sup>12</sup> Well Type O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type State	<sup>15</sup> Ground Level Elevation 4163
<sup>16</sup> Multiple	<sup>17</sup> Proposed Depth	<sup>18</sup> Formation Penn	<sup>19</sup> Contractor	<sup>20</sup> 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

**<sup>21</sup> 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.

**<sup>22</sup> Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer

<sup>23</sup> 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:

Printed name: Kanicia Castillo

Title: Lead Regulatory Analyst

E-mail Address: kcastillo@concho.com

Date: 12/17/13

Phone: 432-685-4332

**OIL CONSERVATION DIVISION**

Approved By:

Title: Petroleum Engineer

Approved Date: 12/26/13

Expiration Date: 12/26/15

Conditions of Approval Attached

DEC 30 2013

Chinook State # 1

API # 30-025-35675

### 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 @ 11,830 ft.,
- Circulate hole clean.
- POOH w/ bit and tbg.
- RU Wireline and RIH w/ 5-1/2" CIBP set 11,700 ft.
- RIH and perforate the CISCO pay at 11,000 – 11,100 ft. w/ 4 spf, 50 holes
- PU & RIH w/ 2-7/8" L-80 production tubing and 2-7/8" x 5-1/2" treating Packer
- Set packer @ 11,200 ft.
- Pressure Test CIBP to 1,500 psig. for 15 mins.
- Unseat packer and pooh and set packer at 10,930 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 CISCO perms. @11,000 – 11,100 ft. with 1,000gals 20% NEFE HCL-Lead Acid with Iron Control, then 7,000 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 ISIP
  - 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 5-1/2" isolation gas vent packer across @ 10,400 – 10,900 ft.
  - Set SN @ 11,120 ft.
  - 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 # Chinook State #1

SPUD- 8/28/01

Elevation - 4163'

KB -

