

District I  
1625 N. French Dr., Hobbs, NM 88240

District II  
1301 W. Grand Avenue, Artesia, NM 88210

District III  
1000 Rio Brazos Road, Aztec, NM 87410

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
May 27, 2004

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

Submit to appropriate District Office

☐ AMENDED REPORT

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

<sup>1</sup> Operator Name and Address COG OPERATING LLC 550 W. Texas, Suite 1300 Midland, TX 79701		<sup>2</sup> OGRID Number 299137
<sup>3</sup> Property Code 302472		<sup>4</sup> API Number 30-015-32412
Property Name Continental A State		Well No. 10
<sup>5</sup> Proposed Pool 1 Empire; Yeso 96210		<sup>10</sup> Proposed Pool 2

<sup>7</sup> Surface Location

UL or lot no. 1	Section 30	Township 17S	Range 29E	Lot Idn	Feet from the 990	North/South line North	Feet from the 330	East/West line West	County Eddy
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<sup>8</sup> Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Additional Well Information

<sup>11</sup> Work Type Code D	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3676
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 5450	<sup>18</sup> Formation Yeso	<sup>19</sup> Contractor	<sup>20</sup> Spud Date as soon as approved
Depth to Groundwater 115'		Distance from nearest fresh water well >1000'		Distance from nearest surface water >1000'
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12' mils thick Clay <input type="checkbox"/> Pit Volume: 5000 bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48	308	325	Surface
12 1/4"	8 5/8"	24	820	500	Surface
7 7/8"	5 1/2"	17	4340	9400	
	4"	11.3	5450	115	4250
	2 7/8" thru	5350'			

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

COG Operating proposes to deepen this Yeso well in the Yeso formation:

- MIRU rig. PU 4-3/4" bit & drill 4-3/4" hole w/ cut brine from 4350' - 5450'.
- RIH w/ logs & log from TD to 4350'.
- Run 4" 11.3# casing set @ 5450'. Cement csg w/ 115 sx C from TD to 4250'.
- Perf Yeso @ 5100' - 5300', 2 SPF, 30 holes & acidize w/ 2500 gallons acid. Frac w/ 72,200# sand.
- Set plug @ 4990'.
- Perf Yeso @ 4700' - 4900', 2 SPF, 30 holes & acidize w/ 2500 gallons acid. Frac w/ 72,200# sand.
- Drill out plug @ 4990'. Cut 4" csg @ 4200'. POH w/ 4" csg. Leave 4" liner from 4200' to 5450' TD.
- RIH w/ tbg. EOT @ 5350'. RIH w/ rods & pump.
- Restore well to production producing from 3846' - 4200.5' and 4700' - 5300'.

<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 the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Printed name: <i>Phyllis A. Edwards</i>		Approved by: <b>BRYAN G. ARANT</b>	
Title: <b>Phyllis A. Edwards, Regulatory Analyst</b>		Title: <b>DISTRICT II GEOLOGIST</b>	
E-mail Address: <b>pedwards@conchoresources.com</b>		Approval Date: <b>SEP 25 2007</b>	Expiration Date: <b>SEP 25 2008</b>
Date: <b>9-17-07</b>	Phone: <b>432-685-4340</b>	Conditions of Approval Attached <input type="checkbox"/>	

DISTRICT I  
P.O. Box 1000, Hobbs, NM 88241-1000

DISTRICT II  
P.O. Drawer 22, Artesia, NM 88211-0710

DISTRICT III  
1000 Rio Grande Rd., Artesia, NM 87410

DISTRICT IV  
P.O. Box 2000, Santa Fe, N.M. 87504-2000

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Form C-102  
Revised February 10, 1984  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-32412	Pool Code 96210	Pool Name EMPIRE YESO
Property Code 302472	Property Name CONTINENTAL A STATE	Well Number 10
OGED No. 229137	Operator Name COG OPERATING LLC	Elevation 3676'

Surface Location

UL or lot No.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
1	30	17-S	29-E		990	NORTH	330	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 27.71		Joint or Infill	Consolidation Code	Order No.					

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<b>OPERATOR CERTIFICATION</b>  I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.   Signature PHYLLIS A. EDWARDS Printed Name REGULATORY ANALYST Title 9-14-07 Date
	<b>SURVEYOR CERTIFICATION</b>  I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  AUGUST 07, 2002 Date Surveyed Signature & Seal of Professional Surveyor  02.11.0554 Certificate No. RONALD J. EDSON 3239 GARY EDSON 12841

**COG OPERATING LLC**  
550 W. Texas, Suite 1300  
Midland, TX 79701

432-683-7443 P  
432-685-4399 F

September 14, 2007

New Mexico Oil Conservation Division  
Attn: Bryan Arrant  
1301 W. Grand Avenue  
Artesia, NM 88210

Re: Statewide Rule 118  
Hydrogen Sulfide Gas Contingency Plan  
Continental A State #10 – Deepen Yeso well

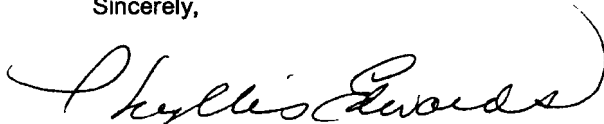
Dear Bryan,

In accordance with NMAC 19.15.3.118 C (1) governing the determination of the hydrogen sulfide concentration in gaseous mixtures in each of its operations, COG Operating LLC does not anticipate that there will be enough H<sub>2</sub>S in deepening the Yeso formation to meet the OCD's minimum requirements for the submission of a contingency plan for the drilling and completion of the following test:

Continental A State #10  
990 FNL & 330 FWL Section 30, T17S, R29E Lot 1 Eddy County, NM

Please call, e-mail, or fax me if you need anything further to approve this APD, and I thank you in advance for your cooperation in this matter.

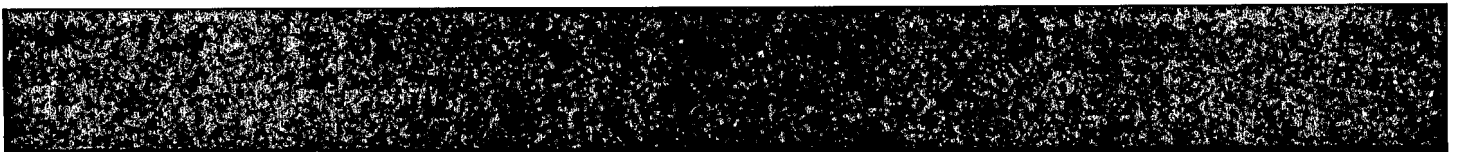
Sincerely,



Phyllis Edwards  
Regulatory Analyst

432-685-4340 phone  
432-685-4399 fax  
pedwards@conchoresources.com

Enclosures



**Arrant, Bryan, EMNRD**

**From:** Arrant, Bryan, EMNRD  
**Sent:** Wednesday, September 26, 2007 11:12 AM  
**To:** 'Phyllis Edwards'  
**Cc:** Reno, Carmen, EMNRD  
**Subject:** RE: Continental A State 10 API 30-015-32412

Hi Phyllis,  
I'm sorry, I thought I had already approved this request to drill deeper???  
And also, I remember that to be sure and not perf the Tubb.  
Anyway, its approved.  
Please inform your staff to submit request early.

See ya,

***Bryan G. Arrant***  
District II Geologist  
New Mexico Oil Conservation Division  
1301 West Grand Ave.  
Artesia, NM 88210  
505-748-1283 Ext. 103

CC: Well File

**From:** Phyllis Edwards [mailto:PEdwards@conchoresources.com]  
**Sent:** Wednesday, September 26, 2007 9:57 AM  
**To:** Arrant, Bryan, EMNRD  
**Subject:** Continental A State 10 API 30-015-32412

Bryan,

On 9-14-07, I mailed a request to deepen for the Continental A State 10 – copy attached. I have checked the website every day hoping for an approval. Then I began to wonder if FOR SURE you even received this request, or if you needed anything else from COG before approval. Our engineer wants to begin work as soon as we have OCD approval, so thanks so much for checking.

THANKS !!!

Phyllis Edwards  
COG Operating LLC  
432-685-4340  
[pedwards@conchoresources.com](mailto:pedwards@conchoresources.com)

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This inbound email has been scanned by the MessageLabs Email Security System.

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9/26/2007