

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

MAR 02 2009

Form C-101
May 27, 2004

Rm

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

¹ Operator Name and Address COG OPERATING LLC 550 W. Texas, Suite 1300 Midland, TX 79701		² OGRID Number 299137
		³ API Number 30-015-36272
⁴ Property Code 302483 /	⁵ Property Name ELECTRA FEDERAL /	⁶ Well No. 24 /
⁹ Proposed Pool 1 96718 LOCO HILLS; STORIENTA-YESO		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no. D	Section 15	Township 17S	Range 30E	Lot Idn	Feet from the 330	North/South line North	Feet from the 330	East/West line West	County Eddy
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⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no. C	Section 15	Township 17S	Range 30E	Lot Idn	Feet from the 339	North/South line North	Feet from the 2253	East/West line West	County Eddy
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Additional Well Information

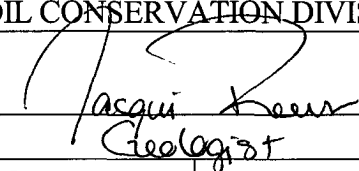
¹¹ Work Type Code PB	¹² Well Type Code O	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code F	¹⁵ Ground Level Elevation 3688
¹⁶ Multiple N	¹⁷ Proposed Depth 7330	¹⁸ Formation Yeso	¹⁹ Contractor	²⁰ Spud Date As soon as approved
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
²¹ Pit: Liner: Synthetic <input type="checkbox"/> _____mils thick Clay <input type="checkbox"/> Pit Volume: _____bbls Drilling Method: Closed-Loop System <input checked="" type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

²¹ 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	444	655	
11	8-5/8	32	1625	650	
7-7/8	5-1/2	17	8107	1400	
4-3/4	2-7/8	6.5	9569		

²² 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.

See Attachments

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 the drilling pit will be constructed according to NMOCD guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION	
	Approved by: 	
	Title: Geologist	
	Approval Date: 3/13/2009	Expiration Date: 3/13/2011
Printed name: Phyllis A. Edwards		
Title: Regulatory Analyst		
E-mail Address: pedwards@conchoresources.com		

Date: 2/27/09	Phone: 432-685-4340	Conditions of Approval Attached <input type="checkbox"/>
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DISTRICT I

1625 N. FRENCH DR., HOBBBS, NM 58240

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III

1000 Rio Bravos Rd., Aztec, NM 87410

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-36272	Pool Code 96718	Pool Name WILDCAT, ABO	Loco Hills; Glens - Yes
Property Code 302483	Property Name ELECTRA FED		Well Number 24
OCRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 3688'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	15	17-S	30-E		330	NORTH	330	WEST	EDDY

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
C	15	17-S	30-E		339	NORTH	2253	WEST	EDDY
Dedicated Acres 80	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

<p>GRID AZ. = 89°56'27"</p> <p>HORZ. DIST. = 1980.0'</p> <p>SEE DETAIL</p> <p>DETAIL</p> <p>3691.1' 3698.0'</p> <p>SURF. O</p> <p>600'</p> <p>3684.2' 3694.6'</p>	<p>BOTTOM HOLE LOCATION</p> <p>Y=669774.6 N</p> <p>X=614561.1 E</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature: <u>Robyn Odom</u> Date: <u>3/13/2009</u></p> <p>Printed Name: <u>Robyn Odom</u></p>
<p>GEODETIC COORDINATES</p> <p>NAD 27 NME</p> <p>Y=669772.6 N</p> <p>X=612581.5 E</p> <p>LAT.=32.840753° N</p> <p>LONG.=103.966778° W</p>	<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>RONALD J. EIDSON</p> <p>Date Surveyed: <u>REVIEW 12/7/08</u> JC</p> <p>Signature & Seal of Professional Surveyor: <u>Ronald J. Eidson</u></p> <p>Certificate No. <u>GARY EIDSON 12841</u></p> <p><u>RONALD J. EIDSON 3239</u></p>	