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

UL or lot no

Η

UL or lot no

Ptt.

<sup>23</sup> I hereby certify that the information given above is true and complete to the

kcarrillo@conchoresources com

Phone. 432-685-4332

Kanıcıa Carrıllo

Regulatory Analyst

Printed name

E-mail Address

Date. 10/20/09

Title

best of my knowledge and belief I further certify that the drilling pit will be constructed according to NMOCD guidelines , a general permit , or

State of New Mexico Form C-101 **Energy Minerals and Natural Resources** May 27, 2004 Oil Conservation Division RECEIV Stubilit to appropriate District Office 1220 South St. Francis Dr. 0CT **21** 2009 ☐ AMENDED REPORT Santa Fe, NM 87505 1220 S St Francis Dr., Santa Fe, NM 87505 APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUCBAE Operator Name and Address
COG OPERATING LLC GRID Number 299137 550 W. Texas, Suite 1300 Midland, TX 79701 API Number 30-015-28515<sup>o</sup> Property Name
GJ West Coop Unit Property Code 302497 Well No 134 9 Proposed Pool 1 10 Proposed Pool 2 GJ;7RVS-QN-GB-GLORIETA-YESO 97558 Surface Location Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County 29E 1650 17S North 1030 Eddy 28 East <sup>8</sup> Proposed Bottom Hole Location If Different From Surface Range Lot Idn Feet from the North/South line Feet from the East/West line Section Township County Additional Well Information 12 Well Type Code 13 Cable/Rotary 15 Ground Level Elevation 11 Work Type Code 4 Lease Type Code 3560 D 0 Rotary S 20 Spud Date 16 Multiple <sup>7</sup> Proposed Depth 18 Formation Contractor N 5600 Yeso As soon as approved Depth to Groundwater Distance from nearest fresh water well Distance from nearest surface water Liner Synthetic mils thick Clay 🔲 Pit Volume bbls Drilling Method Fresh Water Brine Diesel/Oil-based Gas/Air Closed-Loop System 🛛 **Proposed Casing and Cement Program** Casing weight/foot Sacks of Cement Estimated TOC Hole Size Casing Size Setting Depth 17-1/213-3/8 54.5 250 125 12-1/4 8-5/8 24 777 450 7 - 7/85-1/215.5 4586 1000 4-3/4 4 5600 115 11.3 <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

**See Attachments** 

Approved by.

Approval Date

Conditions of Approval Attached

Title

OIL CONSERVATION DIVISION

Expiration Date

COG Operating, LLC
GJ West Coop Unit 134 Deepening
Unit H, Sec 28, T17S, R29E
1650 FNL & 1030 FEL
API# 30-015-28515
Eddy County, NM

## Deepening Procedure

- 1. MIRU rig.
- 2. PU 4-3/4" bit and drill 4-3/4" from 4600' to 5600'.
- 3. POOH w/ bit and drillstring.
- 4. RIH w/ logs and log from TD to 4500'.
- 5. RIH w/ 4", 11.3# casing.
- 6. Cement casing from TD to 4530' w/ 115 sxs Class C cmt.
- 7. RDMO rig.

#### **Completion Procedure**

- 1. MIRU rig.
- 2. RIH/ w/ perforating guns and perforate Yeso from 5500 5300 w/ 2 spf, 30 holes.
- 3. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 190,000 # of sand. Set plug at 5250'.
- 4. RIH w/ perforating guns and perforate Yeso from 5200' 5000'.
- 5. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 190,000 # of sand. Set plug at 4950'.
- 6. RIH w/ perforating guns and perforate Yeso from 4900' 4700'.
- 7. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 190,000 # of sand.
- 8. RIH and drill out plug at 4950' and 5250'.
- 9. RIH and cut 4" casing at 4530'. POOH w/ 4" casing. Leave 4" liner from 4530' to 5600' (TD).
- 10. RIH w/ tbg and locate end of tbg at 4300'.
- 11. RIH w/ rods and pump.
- 12. RDMO rig.

District 1

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

229137

District IV

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

## State of New Mexico

Energy, Minerals & Natural Resources Department

# OIL CONSERVATION DIVISION

1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised June 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

3560

Fee Lease - 3 Copies

☐ AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT Pool Code <sup>3</sup> Pool Name <sup>1</sup> API Number 97558 Grayburg Jackson; 7RVS-QN-GB-Glorieta-Yeso, East 30-015-28515 <sup>4</sup> Property Code <sup>5</sup> Property Name <sup>6</sup> Well Number **GJ West Coop Unit** 302497 134 8 Operator Name 7 OGRID No. <sup>9</sup> Elevation

COG OPERATING LLC

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County			
H	28	17S	29E		1650	North	1030	East	Eddy			

11 Bottom Hole Location If Different From Surface

			DUI	ttom mor	2 Location II	Jinerem From	Burrace		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
ı									
		Ĺ	11						
12 Dedicated Acres	13 Joint 01	r Infill 📗 14 (	Consolidation C	Code 15 Ord	er No.				
40	Į.								

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-

 SIANDE	ARD UNIT HAS BEEN	AIII	VED DI IIIE I	
STANDE			1030°	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature Kanicia Carrillo  Printed Name Regulatory Analyst  Title and E-mail Address 10/20/09  Date  18 SURVEYOR CERTIFICATION 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 Referred Original Plat  Date of Survey Signature and Seal of Professional Surveyor
				Referred Original Plat  Date of Survey
				Certificate Number