

Submit 1 Copy To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., 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-103  
October 13, 2009

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-42783
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator COG Operating LLC		6. State Oil & Gas Lease No.
3. Address of Operator 2208 W. Main Street, Artesia, NM 88210		7. Lease Name or Unit Agreement Name Viking Helmet State Com
4. Well Location Unit Letter <u>B</u> : <u>190</u> feet from the <u>North</u> line and <u>1980</u> feet from the <u>East</u> line Section <u>32</u> Township <u>24S</u> Range <u>35E</u> NMPM Lea County		8. Well Number 2H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3320.4' GR		9. OGRID Number 229137
		10. Pool name or Wildcat WC-025 G-09 S243532M; Bone Spring

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

OTHER:  
☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

COG Operating LLC respectfully requests approval for the following drilling changes to the above referenced APD.

Drilling changes attached.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Mayte Reyes TITLE: Regulatory Analyst DATE: 12/22/2015

Type or print name: Mayte Reyes E-mail address: mreyes1@conchoresources.com PHONE: (575) 748-6945

For State Use Only

APPROVED BY: [Signature] TITLE: Petroleum Engineer DATE: 12/22/15

Conditions of Approval (if any):

DEC 31 2015 11/4/16

## Viking Helmet State Com 2H

	Hole					
	Size	Casing	Wt	Depth	Cmt	TOC
Surface	17.5	13.375	54.5	950'	795	0
Intrmd 1	12.25	9.625	40	5380'	1900	0
<i>Prod</i> Intrmd-2	8.75	7	29	11806	1010	0
		4.5				
<i>Liner</i> <i>Prod</i>	6.125	(liner)	13.5	19602	1790	11656'

Plan to drill a 17.5" hole to 950' with Fresh Water. Run 13.375", 54.5# J-55 csg and cmt to surface. Drill 12.25" hole to 5,380' with Brine, and run 9.625", 40.0# J-55 (0-3500') and 9.625", 40.0# L-80 (3500'-5380') csg and cement to surface. Drill 8.75" hole to 12,577' with cut brine, and run 7", 29.7# HCP-110 csg and cement to surface. Drill 6 1/8" pilot hole to 12,950'. Plug back with cement and drill 6 1/8" curve and lateral with OBM to approximately 19,602' MD. Run 4 1/2", 13.5#, HCP-110 liner and cement to 11577'.

### Well Control

Type	Pressure	Test	Manufacture
Double Ram	3000	3000	Horn