

Submit 1 Copy To Appropriate District Office  
District I – (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II – (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III – (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV – (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

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

SUNDRY NOTICES AND REPORTS ON WELLS (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. 30-015-24765
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 One Concho Center, 600 W. Illinois Ave, Midland, TX 79701		7. Lease Name or Unit Agreement Name New Mexico DC State
4. Well Location Unit Letter <u>B</u> : <u>660</u> feet from the <u>North</u> line and <u>1980</u> feet from the <u>East</u> line Section <u>18</u> Township <u>19S</u> Range <u>29E</u> NMPM County <u>Eddy</u>		8. Well Number: <u>4</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3377'		9. OGRID Number 229137
		10. Pool name or Wildcat Millman; S-Rivers, East <i>YATES 7RS-QV-GB-SA; EDA</i>

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <u>Recomplete in Seven Rivers</u> <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 request to abandon the Queen/Grayburg in the New Mexico DC State #4 and recomplete in the 7 Rivers

Please see attached recompletion procedure with before and after wellbore schematics

All operations will be conducted using a closed loop system..

NM OIL CONSERVATION  
ARTESIA DISTRICT

SEP 17 2014

RECEIVED

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

SIGNATURE B. Maiorino TITLE Regulatory Analyst DATE 9/15/14

Type or print name Brian Maiorino E-mail address: bmaiorino@concho.com PHONE: 432-221-0467

For State Use Only

APPROVED BY: T.C. Shepard TITLE "Geologist" DATE 9-18-2014

Conditions of Approval (if any):

New Mexico DC St 4  
660' fnl, 1980' fel  
B-18-19S-29E  
Eddy Co., NM  
30-015-24765  
Recompletion Procedure  
28 Aug 14

NM OIL CONSERVATION  
ARTESIA DISTRICT  
SEP 17 2014  
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**Basic Data:**

9-5/8" @ 234' Circ. Cmt. With 1"

5-1/2" @ 2614' Circ. Cmt. With 1"

5.5"/14ppf/K55/STC Burst=4270 psi, 3416 psi at 80% Nom. ID=5.012" Drift ID=4.887"

5.5"/15.5ppf/K55/STC Burst=4810 psi, 3848 psi at 80% Nom. ID=4.950 Drift ID=4.825"

**Objective:** Recomplete well from Queen/Grayburg to Seven Rivers. Most recent 30 day production average is 0.3 bopd/ 0.7 mcfpd/ 10 bwpd.

**Procedure:**

1. MIRU WSU, hot oil/water well and pull pump and rods laying down approx. 40 3/4" rods. NU BOP and POOH with tubing laying down approx. 30 joints.
2. Pick up 2-7/8" work string and RIH with bit and scraper on 2-7/8" work string to approx. 1950'.
3. RU wireline, install lubricator, run gauge ring/junk basket if necessary, run GR/CCL from 1950' to 1000', set CIBP at approx. 1940' and dump bail 35' cement on top. When OOH with wireline, close blind rams and test casing to 1000 psi.

Note: If casing doesn't test, decision might be made to run a packer to isolate location of possible casing leak(s). Cementing outline will be issued if/as necessary—let's discuss.

4. RU lubricator and perf the Seven Rivers with 3-1/8" casing guns loaded 1 spf at any phasing with deep penetrating charges at the depths shown below.

7R: 1307', 1311', 1318', 1320', 1322', 1324', 1326', 1328', 1337', 1341' (10 shots) OH Log

5. RIH-with-packer assembly on work string to approx. 1250', swab tubing dry, chain tubing down, put 500 psi on annulus and acidize with 1500 gals. NE Fe 15% HCl acid at 2-3 bpm while limiting treating pressure to 2500 psi and holding 500 psi on annulus. Drop 20 ball sealers throughout acid. If ball out occurs, surge balls off perfs, wait a few minutes and resume acidizing. Swab/flow test until notified to do otherwise.
6. If decision made to frac, frac down tubing work string at 20-30 bpm with slick water (fresh water base) carrying approx. 52,500 lbs. 30/50 sand per attached frac schedule. Limit treating pressure to 3000 psi and hold 500 psi on annulus. Shut in overnight then flow well down.
7. Will PWOP and test/produce this zone.

Kbc/nm dc st 4 7r recompl proc 19 aug 14

30-015-24765

New Mexico DC St #4  
660' FML, 1980' FEL  
B-18-19s-29e  
Edady, NM

Zero 14' AGL  
110' 3394'  
GL 3380'

12 1/4"

LC 270'  
TD 330'

7 7/8"

7 7/8" / 53.5 / P110 / LC @ 234'

150sx"C" 4 1/2 gel + 50sx"C"  
1" w/190sx"C" From 0-73'  
Spotted 160sx"C" 220'-300'

LC 1310'

BEFORE

1984-1989' (6) On

2152-2270' (60) Grbg

5 1/2" / 15.5, 14 / J55, K55 / LTC, STC @ 2614'

600sx"C" 4 1/2 gel +  
300sx"C"

1" w/198sx @ 290' (Circ 105x)

2620'

30-015-24765

New Mexico DC ST #4  
660' FNL 1980' FEL  
B-18-193-29e  
Eddy, NM

Zero: 14' AGL  
1B: 3394'  
GL: 3380'

12 1/4"

LC 270'  
TD 330'

7 7/8"

7 7/8" / 53.5' / P110 / LC @ 234'

150sx" C" 4% gel + 50sx" C"  
1" w / 190sx" C" From 0-73'  
Spotted 160sx" C" 210'-300'

AFTER

LC 1310'

1307-1341' (10) 7R

CIBP + 35' cent 1940'

1984-1989' (6) On

2152-2270' (60) Grbg

5 1/2' / 15.5, 14 / J55, K55 / LTC, STC @ 2614'

600sx" C" 4% gel +  
300sx" C"

1" w / 198sx" C" @ 290' (Circ 10sx)

2620'

TOPS

SEP 17 2014

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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 August 1, 2011  
Submit one copy to appropriate  
District Office  
☒ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-015-24765	<sup>2</sup> Pool Code <del>46580</del> 46555	<sup>3</sup> Pool Name Millman; S-Rivers, East YATES-SR-QN-GB-SA
<sup>4</sup> Property Code 308095	<sup>5</sup> Property Name New Mexico DC State	<sup>6</sup> Well Number 4
<sup>7</sup> OGRID No. 229137	<sup>8</sup> Operator Name COG Operating LLC	<sup>9</sup> Elevation 3377'

<sup>10</sup> Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	18	19S	29E		660	North	1980	East	Eddy

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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.

<sup>16</sup>	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>Brian Maiorino</i> Date: 9/15/14 Printed Name: Brian Maiorino E-mail Address: bmaiorino@concho.com
	<sup>18</sup> <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.
	Date of Survey Signature and Seal of Professional Surveyor:  Refer to original plat
	Certificate Number