

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

WELL API NO.	30-025-43553	✓
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No.		
7. Lease Name or Unit Agreement Name	Boone 16 State Com	
8. Well Number	3H	
9. OGRID Number	229137	✓
10. Pool name or Wildcat	WC-025 G-10 S213328O; Wolfcamp	

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.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other: ☐

2. Name of Operator
COG Operating LLC

3. Address of Operator
2208 W. Main Street, Artesia, NM 88210

4. Well Location

Unit Letter C : 350 feet from the North line and 2120 feet from the West line ✓
Section 21 Township 21S Range 33E NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3753'

OCD - HOBBS
04/20/2018
RECEIVED

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 ☐
CLOSED-LOOP SYSTEM ☐
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 original approved APD.

Drilling changes attached.
Spec sheet 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 Genesis Vasquez TITLE: Regulatory Assistant DATE: 4/19/2018

Type or print name: Genesis Vasquez E-mail address: ggarzaperez@concho.com PHONE: (575) 748-6926

For State Use Only

APPROVED BY: [Signature] TITLE: Petroleum Engineer DATE: 04/20/2018

Conditions of Approval (if any):

KZ

Boone 16 State Com #3H Sundry

COG Operating LLC, requests the following changes:

Surface

Drill 20" hole to 1,875'

Set 16" 75# J-55 BTC casing @ 1,875'

Cemented in one stage with

Lead: 1300 sx of 13.5 ppg Halliburton HalCem C Blend (1.75 cuft/sx, 9 gal/sx)

Tail: 400 sx of 14.8 ppg Halliburton HalCem C Blend (1.35 cuft/sx, 6.6 gal/sx)

Intermediate 1

Drill 13 ½" hole to 5,700'

Set 10 ¾" 45.5# HCN-80 BTC casing @ 5,700'

Cemented in two stages with ECP/DVT @ 4,000'

Stage 1

Lead: 275 sx of 11.9 ppg Halliburton Econocem Blend (2.47 cuft/sx, 14.26 gal/sx)

Tail: 350 sx of 14.8 ppg Halliburton Hallcem Blend (1.33 cuft/sx, 6.42 gal/sx)

Stage 2

Lead: 900 sx of 11.9 ppg Halliburton Econocem Blend (2.47 cuft/sx, 14.26 gal/sx)

Tail: 250 sx of 14.8 ppg Halliburton Halcem Blend (1.33 cuft/sx, 6.42 gal/sx)

Intermediate 2

Drill 9 7/8" hole to 11,825'

Set 7 5/8" 29.7# HPL-80 BTC casing @ 11,100'

Cemented in one stage with

Lead: 800 sx of 11.0 ppg Halliburton Neocem Blend (2.81 cuft/sx, 17.4 gal/sx)

Tail: 300 sx of 16.4 ppg Halliburton HalCem Blend (1.10 cuft/sx, 4.51 gal/sx)

NO Pilot Hole Planned

Production

Drill 6 ¾" curve and lateral to 22,315'

Set 5 ½" 23# CYP-110 UP SF TORQ from 0' – 22,315'

Cemented in one stage with

Lead: 400 sx of 11.9 ppg Halliburton EconoCem Blend (2.48 cuft/sx, 14.33 gal/sx)

Tail: 850 sx of 13.2 ppg Halliburton NeoCem Blend (1.47 cuft/sx, 7.47 gal/sx)

PERFORMANCE DATA

TMK UP SF TORQ™
Technical Data Sheet

5.500 in

23.00 lbs/ft

P110 HC

Tubular Parameters

Size	5.500	in	Minimum Yield	110,000	psi
Nominal Weight	23.00	lbs/ft	Minimum Tensile	125,000	psi
Grade	P110 HC		Yield Load	729,000	lbs
PE Weight	22.54	lbs/ft	Tensile Load	828,000	lbs
Wall Thickness	0.415	in	Min. Internal Yield Pressure	14,530	psi
Nominal ID	4.670	in	Collapse Pressure	15,990	psi
Drift Diameter	4.545	in			
Nom. Pipe Body Area	6.630	in ²			

Connection Parameters

Connection OD	5.830	in
Connection ID	4.626	in
Make-Up Loss	5.592	in
Critical Section Area	6.518	in ²
Tension Efficiency	90.0	%
Compression Efficiency	90.0	%
Yield Load In Tension	656,000	lbs
Min. Internal Yield Pressure	14,530	psi
Collapse Pressure	15,990	psi
Uniaxial Bending	83	°/ 100 ft

Make-Up Torques

Min. Make-Up Torque	16,100	ft-lbs
Opt. Make-Up Torque	23,000	ft-lbs
Max. Make-Up Torque	25,300	ft-lbs
Operating Torque	34,500	ft-lbs
Yield Torque	43,000	ft-lbs

Printed on: February-21-2018

NOTE:

The content of this Technical Data Sheet is for general information only and does not guarantee performance or imply fitness for a particular purpose, which only a competent drilling professional can determine considering the specific installation and operation parameters. Information that is printed or downloaded is no longer controlled by TMK IPSCO and might not be the latest information. Anyone using the information herein does so at their own risk. To verify that you have the latest TMK IPSCO technical information, please contact TMK IPSCO Technical Sales toll-free at 1-888-258-2000.

