

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMNM120997

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
EIDER FEDERAL 303H

2. Name of Operator  
COG PRODUCTION LLC  
Contact: MAYTE X REYES  
E-Mail: mreyes1@concho.com

9. API Well No.  
30-025-44638-00-X1

3a. Address  
2208 W MAIN STREET  
ARTESIA, NM 88210

3b. Phone No. (include area code)  
Ph: 575-748-6945

10. Field and Pool or Exploratory Area  
WC025G06S263319P-BONE SPRING

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 35 T24S R32E SESW 210FSL 2000FWL  
32.167400 N Lat, 103.647522 W Lon

11. County or Parish, State  
LEA COUNTY, NM

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

COG Production LLC, respectfully requests approval for the following changes to the originally approved APD.

Operator requests to make the following changes to the approved APD

Production ? Requesting change to cement on production  
Drill 8 ?? hole to 17,184?  
Set 5 ?? 17# RY P-110 CDC HTQ casing @ 17,184?  
Cemented in one stage with  
Lead: 800 sx of 10.3 ppg Halliburton Tuned Light ( 3.545 cuft/sx, 21.63 gal/sx )  
Tail: 1700 sx of 13.2 ppg Halliburton NeoCem ( 1.468 cuft/sx, 7.47 gal/sx )

*All previous COAs still apply. Additional COA is not required.*

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #419196 verified by the BLM Well Information System  
For COG PRODUCTION LLC, sent to the Hobbs  
Committed to AFMSS for processing by MUSTAFA HAQUE on 05/08/2018 (18MH0053SE)**

Name (Printed/Typed) MAYTE X REYES

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 05/08/2018

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By MUSTAFA HAQUE

Title PETROLEUM ENGINEER

Date 05/18/2018

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Hobbs

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

*MSB/ocd  
5/24/2018*

**Hobbs Field Office**  
**OCB Hobbs**  
**MAY 23 2018**  
**RECEIVED**

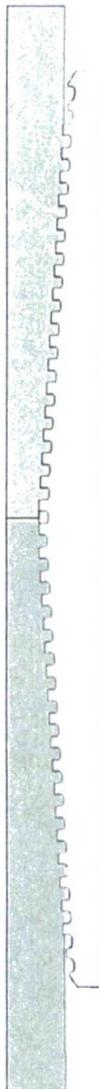


U. S. Steel Tubular Products

5 1/2 17.00 lb (0.304) P110 RY CC\*

USS-CDC HTQ™

PIPE CONNECTION



**MECHANICAL PROPERTIES**

Minimum Yield Strength	110,000		psi
Maximum Yield Strength	125,000		psi
Minimum Tensile Strength	125,000		psi

**DIMENSIONS**

Outside Diameter	5.500	6.300	in.
Wall Thickness	0.304		in.
Inside Diameter	4.892	4.892	in.
Drift - API	4.767	4.767	in.
Nominal Linear Weight, T&C	17.00		lbs/ft
Plain End Weight	16.89		lbs/ft

**SECTION AREA**

Cross Sectional Area   Critical Area	4.962	4.962	sq. in.
Joint Efficiency		100.0	%

**PERFORMANCE**

Minimum Collapse Pressure	8,730	8,730	psi
External Pressure Leak Resistance		6,980	psi
Minimum Internal Yield Pressure	10,640	10,640	psi
Minimum Pipe Body Yield Strength	546,000		lbs
Joint Strength		568,000	lbs
Compression Rating		341,000	lbs
Reference Length		22,275	ft
Maximum Uniaxial Bend Rating		57.3	deg/100 ft

**MAKE-UP DATA**

Make-Up Loss		4.63	in.
Minimum Make-Up Torque		10,000	ft-lbs
Maximum Make-Up Torque		14,000	ft-lbs
Connection Yield Torque		17,400	ft-lbs
* Verification of connection shoulder required. Typical shoulder range		5,000 - 7,500	ft-lbs

**Notes:**

- 1) Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength (SMYS).
- 2) Uniaxial bending rating shown is structural only, and equal to compression efficiency
- 3) Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.)
- 4) Reference length is calculated by joint strength divided by nominal T&C weight with 1.5 safety factor
- 5) Connection external pressure resistance has been verified to 80% API pipe body collapse pressure (API 5C5 Cal III testing protocol)

Legal Notice: USS-CDC HTQ™ (High Torque Casing Drilling Connection) is a trademark of U. S. Steel Corporation. This product is a modified API Buttress threaded and coupled connection designed for drilling with casing applications. All material contained in this publication is for general information only. This material should not therefore be used or relied upon for any specific application without independent competent professional examination and verification of accuracy, suitability, and applicability. Anyone making use of this material does so at their own risk and assumes any and all liability resulting from such use. U. S. Steel disclaims any and all expressed or implied warranties of fitness for any general or particular application.  
USS Product Data Sheet 2017 rev26 (Sept)