

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.  
NMNM124664

6. If Indian, Allottee or Tribe Name

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

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

GUNNER 8 FEDERAL COM 705H

2. Name of Operator

COG OPERATING LLC

Contact: STAN WAGNER

E-Mail: swagner@concho.com

9. API Well No.

30-025-46760-00-X1

3a. Address

ONE CONCHO CENTER 600 W ILLINOIS AVENUE  
MIDLAND, TX 79701-4287

3b. Phone No. (include area code)

Ph: 432.253.9685

10. Field and Pool or Exploratory Area  
RATTLESNAKE FLAT

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 5 T26S R34E NWNW 250FNL 530FWL  
32.079044 N Lat, 103.498756 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	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

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 Operating LLC requests an amendment to our approved APD for this well to reflect a change in the drill plan as detailed by attachments to this sundry.

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

**Electronic Submission #510768 verified by the BLM Well Information System  
For COG OPERATING LLC, sent to the Hobbs  
Committed to AFMSS for processing by PRISCILLA PEREZ on 04/15/2020 (20PP2047SE)**

Name (Printed/Typed) STAN WAGNER

Title REGULATORY ADVISOR

Signature (Electronic Submission)

Date 04/14/2020

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

Approved By DYLAN ROSSMANGO

Title PETROLEUM ENGINEER

Date 08/25/2020

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 \*\***

ACCEPTED - KMS NMOCD

## Gunner 8 Federal Com 705H Drill Sundry

Interval	Hole Size	Casing Interval		Csg. Size	Weight	Grade	Conn.
		From	To		(lbs)		
Surface	14.75"	0	900	10.75"	45.5	J55	BTC
Intermediate	9.875"	0	8000	7.625"	29.7	L80 HC	BTC
	8.75"	8000*	12000	7.625"	29.7	P-110 HC	Tech Lock Flush Joint
Production	6.75"	0	11800	5.5"	23	P110	BTC
	6.75"	11800	22,984	5.5"	23	P110	Tech Lock Wedge

\*The Tech Lock Flush Joint by BTC cross over will be 200' above where the bit size changes from 9.875" to 8.75"

### Cement

#### Surface

Lead: 300 sx 13.5#; 1.75 cuft/sx; 9.21 H2O Gal/sx; Class C + 4% Gel

Tail: 300 sx 14.8#; 1.34 cuft/sx; 6.34 H2O Gal/sx; Class C + 2% CaCl<sub>2</sub>

#### Intermediate

Lead: 900 sx 10.3#; 3.6 cuft/sx; 21.87 H2O Gal/sx; NeoCem

Tail: 150 sx 15.6#; 1.2 cuft/sx; 5.41 H2O Gal/sx; Class H

#### Production

Lead: 650 sx 12.7#; 1.97 cuft/sx; 10.8 H2O Gal/sx; 35:65:6 H Blend

Tail: 950 sx; 14.5#; 1.22 cuft.sx; 5.56 H2O Gal/sx; 50:50:2 H Blend



# TEC-LOCK WEDGE

5.500" 23.00 LB/FT (.415"Wall) with 5.875" Special Clearance OD  
BORUSAN P110 CY

## Pipe Body Data

Nominal OD:	5.500	in
Nominal Wall:	.415	in
Nominal Weight:	23.00	lb/ft
Plain End Weight:	22.56	lb/ft
Material Grade:	P110 CY	
Mill/Specification:	BORUSAN	
Yield Strength:	110,000	psi
Tensile Strength:	125,000	psi
Nominal ID:	4.670	in
API Drift Diameter:	4.545	in
Special Drift Diameter:	None	in
RBW:	87.5 %	
Body Yield:	729,000	lbf
Burst:	14,540	psi
Collapse:	14,540	psi

## Connection Data

Standard OD:	5.875	in
Pin Bored ID:	4.670	in
Critical Section Area:	6.457	in <sup>2</sup>
Tensile Efficiency:	97.4 %	
Compressive Efficiency:	100 %	
Longitudinal Yield Strength:	710,000	lbf
Compressive Limit:	729,000	lbf
Internal Pressure Rating:	14,540	psi
External Pressure Rating:	14,540	psi
Maximum Bend:	89.4	°/100ft

## Operational Data

Minimum Makeup Torque:	14,900	ft*lbf
Optimum Makeup Torque:	18,600	ft*lbf
Maximum Makeup Torque:	40,800	ft*lbf
Minimum Yield:	45,300	ft*lbf
Makeup Loss:	5.97	in

**Notes** Operational Torque is equivalent to the Maximum Make-Up Torque



# TEC-LOCK FJ

7.625" 29.7 LB/FT (.375" Wall)

P110 HC

## Pipe Body Data

Nominal OD:	7.625	in
Nominal Wall:	0.375	in
Nominal Weight:	29.70	lb/ft
Plain End Weight:	29.22	lb/ft
Material Grade:	P110 HC	
Mill/Specification:	BORUSAN MANNESMANN	
Yield Strength:	110,000	psi
Tensile Strength:	125,000	psi
Nominal ID:	6.875	in
API Drift Diameter:	6.750	in
Special Drift Diameter:	NA	in
RBW:	87.5%	
Body Yield:	940,000	lbf
Burst:	9,460	psi
Collapse:	7,050	psi

## Connection Data

Standard OD:	7.625	in
Pin Bored ID:	6.875	in
Critical Section Area:	6.299	in <sup>2</sup>
Tensile Efficiency:	70.0%	
Compressive Efficiency:	61.9%	
Longitudinal Yield Strength:	658,000	lbf
Compressive Limit:	581,860	lbf
Internal Pressure Rating:	7,570	psi
External Pressure Rating:	7,050	psi
Maximum Bend:	26	°/100ft

## Operational Data

Minimum Makeup Torque:	3,600	ft*lbf
Optimum Makeup Torque:	6,500	ft*lbf
Maximum Makeup Torque:	9,400	ft*lbf
Minimum Yield:	14,500	ft*lbf
Makeup Loss:	5.97	in

## Notes Preliminary DataSheet

The Connection ratings are structural

