

**HOEBS OCD**  
**APR 10 2017**  
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMLC029509B

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.  
 Other \_\_\_\_\_

2. Name of Operator **COG OPERATING LLC** Contact: **KANICIA CASTILLO**  
 E-Mail: **kcastillo@concho.com**

3. Address **ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287** 3a. Phone No. (include area code) **Ph: 432-685-4332**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **Sec 22 T17S R32E Mer NMP NWNE 205FNL 2498FEL**  
 At top prod interval reported below **Sec 15 T17S R32E Mer NMP SWSE 330FSL 2285FEL**  
 At total depth **Sec 15 T17S R32E Mer NMP NWNE 377FNL 2282FEL**

6. If Indian, Allottee or Tribe Name \_\_\_\_\_  
 7. Unit or CA Agreement Name and No. \_\_\_\_\_

8. Lease Name and Well No. **RAGNAR FEDERAL COM 15H**

9. API Well No. **30-025-43114-00-S1**

10. Field and Pool, or Exploratory **MALJAMAR-YESO, WEST**

11. Sec., T., R., M., or Block and Survey or Area **Sec 22 T17S R32E Mer NMP**

12. County or Parish **LEA** 13. State **NM**

14. Date Spudded **08/16/2016** 15. Date T.D. Reached **08/28/2016** 16. Date Completed  D & A  Ready to Prod. **10/12/2016**

17. Elevations (DF, KB, RT, GL)\* **4015 GL**

18. Total Depth: MD **10474** TVD **5750** 19. Plug Back T.D.: MD **10397** TVD **5750** 20. Depth Bridge Plug Set: MD **MD** TVD **TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) **CN** 22. Was well cored?  No  Yes (Submit analysis)  
 Was DST run?  No  Yes (Submit analysis)  
 Directional Survey?  No  Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	54.5	0	977		725		0	
12.250	9.625 J-55	40.0	0	2188		650		0	
8.750	7.000 L-80	29.0	0	5454				0	
8.750	5.000 L-80	17.0	5454	10474		2500		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	5071							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	6046	10377	6046 TO 10377	0.000	864	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
6046 TO 10377	ACIDIZE W/ 95,303 7.5% ACID, FRAC W/ 272,588 GALS TREATED WATER, 4,633,256 GALS SLICK WATER,

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/12/2016	10/13/2016	24	→	412.0	346.0	2398.0	36.2	0.60	ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. 70.0	24 Hr. Rate →	Oil BBL 412	Gas MCF 346	Water BBL 2398	Gas:Oil Ratio 839	Well Status POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

**ACCEPTED FOR RECORD**  
**(ORIG. SGD) DAVID R. GLASS**  
**MAR 27 2017**

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #356875 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

**DAVID R. GLASS**

**WELL ENGINEER**

*Kz*

**RECLAMATION DUE:**  
**APR 12 2017**

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
FLARED

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
TANSILL	2072	3169	SALT	TANSILL	2072
QUEEN	3169	3534	SANDSTONE	QUEEN	3169
GRAYBURG	3534	3910	SANDSTONE & DOLOMITE	GRAYBURG	3534
SAN ANDRES	3910	5552	DOLOMITE & LIMESTONE	SAN ANDRES	3916
PADDOCK	5552	6046	DOLOMITE & ANHYDRITE	PADDOCK	5552
YESO	6046	10377			

32. Additional remarks (include plugging procedure):  
Logs will be submitted in WIS.

33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7 Other:      |                       |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #356875 Verified by the BLM Well Information System.**  
For COG OPERATING LLC, sent to the Hobbs  
Committed to AFMSS for processing by DUNCAN WHITLOCK on 03/13/2017 (17DW0012SE)

Name (please print) KANICIA CASTILLO Title PREPARER

Signature \_\_\_\_\_ (Electronic Submission) Date 11/02/2016

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.