

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG
DISTRICT II-ARTESIA O.C.D.

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input checked="" type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other <u>RECOMPLETION</u>			7. Unit or CA Agreement Name and No.		
2. Name of Operator COG OPERATING LLC			Contact: ROBYN RUSSELL E-Mail: rrussell@concho.com		
3. Address 600 W ILLINOIS AVENUE MIDLAND, TX 79701			3a. Phone No. (include area code) Ph: 432-685-4385		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NESW 1650FSL 1650FWL At top prod interval reported below NESW 1650FSL 1650FWL At total depth NESW 1650FSL 1650FWL			8. Lease Name and Well No. W D MCINTYRE E 5		
14. Date Spudded 07/26/1998			15. Date T.D. Reached 08/08/1998		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/03/2018			9. API Well No. 30-015-30291-00-S2		
18. Total Depth: MD 5524 TVD			19. Plug Back T.D.: MD 4340 TVD		
20. Depth Bridge Plug Set: MD 4340 TVD			10. Field and Pool, or Exploratory GRAYBURG JACKSON-SR-Q-GRBG-SA		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL/FDC DLL CN			11. Sec., T., R., M., or Block and Survey or Area Sec 20 T17S R30E Mer NMP		
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)			12. County or Parish EDDY		
23. Casing and Liner Record (Report all strings set in well)			13. State NM		
17. Elevations (DF, KB, RT, GL)* 3624 GL			17. Elevations (DF, KB, RT, GL)* 3624 GL		

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	13.370 J-55	48.0	0	412		450			
12.250	8.625 J-55	32.0	0	1047		600			
7.875	5.500 J-55	17.0	0	5517		865			

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	4256							

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) SAN ANDRES	3620	3960	3190 TO 3547	0.430	54	OPEN - San Andres
B)			3620 TO 3960	0.430	54	OPEN - San Andres
C)			4390 TO 4828	0.500	79	CLOSED - Paddock
D)						

Depth Interval	Amount and Type of Material
3190 TO 3547	ACIDIZE W/ 1260 GALS ACID, FRAC W/ 232,596 GALS BORATE, 3486 GALS LINER GEL, 3864 GALS FW,
3620 TO 3960	ACIDIZE W/ 1512 GALS ACID, FRAC W/ 235,116 GALS BORATE, 378 GALS LINER GEL, 4368 GALS FW,

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08/16/2018	08/17/2018	24	→	116.0	100.0	990.0	36.8	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI	77.0	→	116	100	990	862	POW	

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	
	SI		→						

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #433927 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

ACCEPTED FOR RECORD
SEP 13 2018
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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.)
SOLD

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
SAN ANDRES	2891			QUEEN SAN ANDRES GLORIETA	2116 2891 4308

32. Additional remarks (include plugging procedure):

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 #433927 Verified by the BLM Well Information System.
For COG OPERATING.LLC, sent to the Carlsbad
Committed to AFMSS for processing by DINAH NEGRETE on 09/13/2018 (18DCN0070SE)

Name (please print) ROBYN RUSSELLTitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 09/05/2018

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****