

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTOperator MAY 03 2019
CopyFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG DISTRICT II-ARTESIA 0.01

Case Serial No.
NMLC054280

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 type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resvr. Other <u>RECOMPLETION</u>		7. Unit or CA Agreement Name and No.	
2. Name of Operator COG OPERATING LLC		8. Lease Name and Well No. MCINTYRE A EAST FEDERAL 20	
Contact: ROBYN RUSSELL E-Mail: russell@concho.com		9. API Well No. 30-015-36909-00-S2	
3. Address 600 W ILLINOIS AVENUE MIDLAND, TX 79701		10. Field and Pool, or Exploratory LOCO HILLS-QU-GB-SA	
3a. Phone No. (include area code) Ph: 432-685-4385		11. Sec., T., R., M., or Block and Survey or Area Sec 20 T17S R30E Mer NMP	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NESE 1585FSL 525FEL 32.817204 N Lat, 103.987301 W Lon At top prod interval reported below NESE 1585FSL 525FEL At total depth NESE 1585FSL 525FEL		12. County or Parish EDDY	
14. Date Spudded 06/15/2011		13. State NM	
15. Date T.D. Reached 06/29/2011		17. Elevations (DF, KB, RT, GL)* 3637 GL	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 06/28/2018			
18. Total Depth: MD 6509 TVD		19. Plug Back T.D.: MD 3500 TVD	
20. Depth Bridge Plug Set: MD 3500 TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUT CN		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)	

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	450		500		0	
11.000	8.625 J-55	24.0	0	1308		500		0	
7.875	5.500 J-55	17.0	0	6509	4208	1650		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	3485							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) SAN ANDRES	3215	3979	3215 TO 3470	0.430	54	OPEN - San Andres
B)			3520 TO 3979	0.430	54	OPEN - San Andres
C)			5210 TO 5950	0.410	78	CIBP @ 4,400' - Blinbry
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
3215 TO 3470	ACIDIZE W/ 1260 GALS ACID, FRAC W/251,160 GALS BORATE, 3,528 GALS LINER GEL, 4,032 GALS FW,
3651 TO 4000	ACIDIZE W/ 1512 GALS ACID, FRAC W/242,592 GALS BORATE, 336 GALS LINER GEL, 4,410 GALS FW,

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
07/07/2018	07/09/2018	24	→	78.0	53.0	422.0	36.2	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	
		60.0	→	78	53	422	679	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	
			→						

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

ELECTRONIC SUBMISSION #436068 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

ACCEPTED FOR RECORD
NOV - 1 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
YATES SAN ANDRES GLORIETA YESO TUBB	1210 3308 4356 4436 6318		DOLOMITE & SAND DOLOMITE & ANHYDRITE DOLOMITE & SAND DOLOMITE & ANHYDRITE SAND	YATES SAN ANDRES GLORIETA QUEEN	1210 3308 4356 6318

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 #436068 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by DINAH NEGRETE on 11/01/2018 (19DCN0006SE)

Name (please print) ROBYN RUSSELL

Title REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 09/19/2018

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 ****