

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS
DISTRICT II-ARTESIA O.G.S.

Case Serial No.
NMLC054280

1a. Type of Well Oil Well Gas Well Dry Other

b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other **RECOMPLETION**

2. Name of Operator **COG OPERATING LLC** Contact: **ROBYN RUSSELL**
E-Mail: **russell@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 **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**

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
MCINTYRE A EAST FEDERAL 20

9. API Well No.
30-015-36909-00-S2

10. Field and Pool, or Exploratory
LOCO HILLS-QU-GB-SA

11. Sec., T., R., M., or Block and Survey or Area
Sec 20 T17S R30E Mer NMP

12. County or Parish
EDDY 13. State
NM

14. Date Spudded
06/15/2011 15. Date T.D. Reached
06/29/2011 16. Date Completed
 D & A Ready to Prod.
06/28/2018

17. Elevations (DF, KB, RT, GL)*
3637 GL

18. Total Depth: **MD 6509** 19. Plug Back T.D.: **MD 3500** 20. Depth Bridge Plug Set: **MD 3500**
TVD **TVD** **TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
COMPENSATEDNEUT 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 Sks. & 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	10

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

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	
	SI	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
			→						NOV - 1 2018
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

ACCEPTED FOR RECORD

Wendy Heger

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	1210		DOLOMITE & SAND	YATES	1210
SAN ANDRES	3308		DOLOMITE & ANHYDRITE	SAN ANDRES	3308
GLORIETA	4356		DOLOMITE & SAND	GLORIETA	4356
YESO	4436		DOLOMITE & ANHYDRITE	QUEEN	6318
TUBB	6318		SAND		

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 ****