

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address COG Operating LLC One Concho Center 600 W. Illinois Ave Midland, TX 79701		² OGRID Number 229137
		³ Reason for Filing Code/ Effective Date NW Effective 5/23/14
⁴ API Number 30 - 015-41225	⁵ Pool Name Loco Hills; Glorieta-Yeso	⁶ Pool Code 96718
⁷ Property Code 302499	⁸ Property Name Gissler Federal	⁹ Well Number 40H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
L	5	17S	30E		2310	South	330	West	Eddy

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	5	17S	30E		2314	South	371	East	Eddy
¹² Lse Code F	¹³ Producing Method Code P		¹⁴ Gas Connection Date 5/23/14		¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date	

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
27841	HollyFrontier Refining & Marketing LLC	O
36785	dep Midstream NM OIL CONSERVATION ARTESIA DISTRICT JUN 24 2014 RECEIVED	G

IV. Well Completion Data

²¹ Spud Date 3/12/14	²² Ready Date 5/23/14	²³ TD 8842MD 4483TVD	²⁴ PBD 8750	²⁵ Perforations 4696 - 8726	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement	
17-1/2	13-3/8		450	250sx	
12-1/4	9-5/8		1222	500sx	
7-7/8	5-1/2		8842	1500sx	
	2-7/8 tbg		4041		

V. Well Test Data

³¹ Date New Oil 5/24/14	³² Gas Delivery Date 5/24/14	³³ Test Date 5/27/14	³⁴ Test Length 24hrs	³⁵ Tbg. Pressure 70	³⁶ Csg. Pressure 70
³⁷ Choke Size	³⁸ Oil 240	³⁹ Water 1424	⁴⁰ Gas 355	⁴¹ Test Method P	

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 	OIL CONSERVATION DIVISION Approved by: 
Printed name: Chasity Jackson	Title: Dist. R. Spewer
Title: Regulatory Analyst	Approval Date: 6/25/14
E-mail Address: cjackson@concho.com	
Date: 6/10/14	Phone: 432-686-3087

Pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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.
NMNM83591

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

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

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
GISSLER FEDERAL 40H

2. Name of Operator
COG OPERATING LLC
Contact: CHASITY JACKSON
E-Mail: cjackson@concho.com

9. API Well No.
30-015-41225

3a. Address
ONE CONCHO CENTER 600 W. ILLINOIS AVE
MIDLAND, TX 79701

3b. Phone No. (include area code)
Ph: 432-686-3087

10. Field and Pool, or Exploratory
LOCO HILLS

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 5 T17S R30E Mer NMP NWSW 2310FSL 330FWL

11. County or Parish, and State
EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<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 Drilling Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

4/25/14 Set plug @ 8761. Test frac valve to 7500psi. Spotted 3000 gals acid. 5/8/14 Perf 9 stages @ 8416 - 8726 w/6 SPF, 36 holes. CBP @ 8339.
Perf @ 7951 - 8261 w/6SPF, 36 holes, CBP @ 7864.
Perf @ 7486 - 7796 w/6SPF, 36 holes, CBP @ 7409.
5/10/14 Perf @ 7021 - 7331 w/6SPF, 36 holes, CBP @ 6940.
Perf @ 6552 - 6860 w/6SPF, 36 holes, CBP @ 6481.
Perf @ 6091 - 6401 w/6SPF, 36 holes, CBP @ 6014.
Perf @ 5626 - 5936 w/6SPF, 36 holes, CBP @ 5549.
Perf @ 5161 - 5466 w/6SPF, 36 holes, CBP @ 5084.
Perf @ 4696 - 5006 w/6SPF, 36 holes. Acidize 9 stages w/35,819 gals 15% HCL. Frac w/1,217,234 gals gel, 222,761 gals WaterFrac, 179,333 gals treated water, 2,709,746# 20/40 brown sand, 480,221# 16/30 CRC, 45,805# 100 Mesh.

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 24 2014

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14. I hereby certify that the foregoing is true and correct.
Electronic Submission #249112 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad

Name (Printed/Typed) CHASITY JACKSON

Title PREPARER

RD 6/25/14
Accepted for record
NMOC

Signature (Electronic Submission)

Date 06/10/2014

THIS SPACE FOR FEDERAL OR STATE OFFICIAL USE

Approved By

Date

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.

Pending BLM approvals will
subsequently be reviewed
and scanned

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person to make any false, fictitious or fraudulent statements or representations as to any matter within it to make to any department or agency of the United States

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #249112 that would not fit on the form

32. Additional remarks, continued

5/21/14 Drill out plugs. Clean out to PBTD 8750.

5/23/14 RIH w/121jts 2-7/8" J55 6.5# tbg, EOT @ 4041. RIH w/ESP. Hang well on.

JUN 24 2014

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM83591

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

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: CHASITY JACKSON
E-Mail: cjackson@concho.com

8. Lease Name and Well No.
GISSLER FEDERAL 40H

3. Address ONE CONCHO CENTER 600 W. ILLINOIS AVE
MIDLAND, TX 79701
3a. Phone No. (include area code)
Ph: 432-686-3087

9. API Well No.
30-015-41225

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface NWSW 2310FSL 330FWL
At top prod interval reported below NWSW 2310FSL 330FWL
At total depth NESE 2314FSL 371FEL

10. Field and Pool, or Exploratory
LOCO HILLS
11. Sec., T., R., M., or Block and Survey
or Area Sec 5 T17S R30E Mer NMP
12. County or Parish
EDDY
13. State
NM

14. Date Spudded
03/12/2014
15. Date T.D. Reached
03/21/2014
16. Date Completed
 D & A Ready to Prod.
05/23/2014

17. Elevations (DF, KB, RT, GL)*
3698 GL

18. Total Depth: MD 8842 TVD 4483
19. Plug Back T.D.: MD 8750 TVD 8750
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
COMPENSATED NEUTRON CCL/HNGS
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 J55	54.5		450		250			
12.250	9.625 J55	40.0		1222		500			
7.875	5.500 L80	17.0		8842		1500			

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	4041							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	4696	8726	4696 TO 8726	0.430	360	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
4696 TO 8726	ACIDIZE W/35,819 GALS 15% ACID. FRAC W/1,217,234 GALS GEL, 222,761 GALS WATER FRAC
4696 TO 8726	179,333 TREATED WATER, 2,709,746# 20/40 BROWN, 480,221# 16/30 CRC, 45,805# 100 MESH.

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
05/24/2014	05/27/2014	24	▶	240.0	355.0	1424.0	37.9	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	
			▶	240	355	1424	1479	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL
			▶	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL
			▶	

Pending BLM approvals will subsequently be reviewed and scanned

Production Method

JD

JUN 24 2014

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

ELECTRONIC SUBMISSION #249481 VERIFIED BY THE WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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.)
CAPTURED

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
RUSTLER	393		ANHYDRITE	RUSTLER	393
TANSILL	1115		LIMESTONE & DOLOMITE	TANSILL	1115
YATES	1217		SANDSTONE & DOLOMITE	YATES	1217
QUEEN	2109		SANDSTONE & DOLOMITE	QUEEN	2109
GRAYBURG	2522		SANDSTONE & DOLOMITE	GRAYBURG	2522
SAN ANDRES	2845		DOLOMITE & LIMESTONE	SAN ANDRES	2845
GLORIETA	4269		SANDSTONE	GLORIETA	4269
YESO	4356		DOLOMITE & ANHYDRITE	YESO	4356

32. Additional remarks (include plugging procedure):
LOGS WILL BE MAILED.
Amended

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 #249481 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad

Name (please print) CHASITY JACKSON Title PREPARER

Signature _____ (Electronic Submission) Date 06/12/2014

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.

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