

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

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

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-104
Revised August 1, 2011

JUL 03 2017

Submit one copy to appropriate District Office

RECEIVED ☐ 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 5/30/17
⁴ API Number 30 - 015 - 41273	⁵ Pool Name Loco Hills;Glorieta Yeso	⁶ Pool Code 96718
⁷ Property Code 302524	⁸ Property Name McIntyre DK Federal	⁹ Well Number 28H

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
M	17	17S	30E		465	South	285	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
M	16	17S	30E		356	South	589	West	Eddy

¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 5/30/17	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
27841	Navajo Crude Oil Marketing	O
36785	DCP Midstream	G


IV. Well Completion Data

²¹ Spud Date 03/27/17	²² Ready Date 05/30/17	²³ TD 10,492MD 4957TVD	²⁴ PBTB 10416	²⁵ Perforations 5156 - 10,396	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2	13-3/8	293	600sx		
12-1/4	9-5/8	1127	950sx		
8-3/4	7	4261			
8-3/4	5-1/2	10492	2100sx		
	2-7/8 tbg	5157			

V. Well Test Data

³¹ Date New Oil 06/01/17	³² Gas Delivery Date 06/01/17	³³ Test Date 06/06/17	³⁴ Test Length 24hrs	³⁵ Tbg. Pressure 70	³⁶ Csg. Pressure 70
³⁷ Choke Size	³⁸ Oil 303	³⁹ Water 943	⁴⁰ Gas 192		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:



Printed name:
Kanicia Castillo
Title:
Lead Regulatory Analyst

E-mail Address:
kcastillo@concho.com

Date:
6/28/17
Phone:
432-685-4332

OIL CONSERVATION DIVISION

Approved by:



Title:

Geologist

Approval Date:

7-14-17

Pending BLM approvals will
subsequently be reviewed
and scanned

NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUL 03 2017

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

WELL COMPLETION OR RECOMPLETION REPORT

5. Lease Serial No.
NMNM86025

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

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

8. Lease Name and Well No.
MCINTYRE DK FEDERAL 28H

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

3a. Phone No. (include area code)
Ph: 432-685-4332

9. API Well No.
30-015-41273

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

Sec 17 T17S R30E Mer NMP
At surface Lot M 465FSL 285FWL
Sec 17 T17S R30E Mer NMP
At top prod interval reported below Lot M 440FSL 330FWL
Sec 16 T17S R30E Mer NMP
At total depth Lot M 356FSL 589FWL

10. Field and Pool, or Exploratory
LOCO HILLS; GLORIETA YESO

11. Sec., T., R., M., or Block and Survey
or Area Sec 17 T17S R30E Mer NMP

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
03/27/2017

15. Date T.D. Reached
04/10/2017

16. Date Completed
☐ D & A ☒ Ready to Prod.
05/30/2017

17. Elevations (DF, KB, RT, GL)*
3608 GL

18. Total Depth: MD
TVD 10492
4957

19. Plug Back T.D.: MD
TVD 10416
4957

20. Depth Bridge Plug Set: MD
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
12.250	9.625 J55	40.0		1127		950			
8.750	7.000 L80	29.0		4261					
8.750	5.000 L80	17.0		10492		2100			
17.500	13.375 J55	54.5	0	293		600		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	5157							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	5156	10396	5156 TO 10396	0.430	1188	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5156 TO 10396	ACIDIZE W/ 131,040 15% ACID, FRAC W/ 407,946 GALS TREATED WATER, 8,114,106 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
06/01/2017	06/06/2017	24	→	303.0	192.0	943.0	40.4	0.60	ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
		70.0	→	303	192	943	634	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	
			→						

Pending BLM approvals will
subsequently be reviewed
and scanned

SC 7-14-17

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

ELECTRONIC SUBMISSION #379975 VERIFIED BY THE BLM 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.)

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
QUEEN	2029		SANDSTONE	QUEEN	2029
GRAYBURG	2422		DOLOMITE & ANHYDRITE	GRAYBURG	2422
SAN ANDRES	2747		DOLOMITE & ANHYDRITE	SAN ANDRES	2747
PADDOCK	4213		DOLOMITE	PADDOCK	4213
BLINEBRY	4791		DOLOMITE	BLINEBRY	4791

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 #379975 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad

Name (please print) KANICIA CASTILLO

Title PREPARER

Signature (Electronic Submission)

Date 06/28/2017

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM86025
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
Contact: KANICIA CASTILLO E-Mail: kcastillo@concho.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 600 W ILLINOIS AVE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-685-4332	8. Well Name and No. MCINTYRE DK FEDERAL 28H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 17 T17S R30E Mer NMP 465FSL 285FWL		9. API Well No. 30-015-41273
		10. Field and Pool or Exploratory Area LOCO HILLS
		11. County or Parish, State EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<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 recompleat 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

OCD has requested the submittal of the following information.

Please see below csg test.

3/28/17 13-3/8 csg string 1500psi for 30mins, good test
3/31/17 9-5/8 csg string 1500psi for 30 mins, good test
4/17/17 5-1/2 & 7 csg string 4500psi for 30mins, good test

All cement strings circulated to surface.

NM OIL CONSERVATION

ARTESIA DISTRICT

JUL 14 2017

RECEIVED

14. I hereby certify that the foregoing is true and correct. Electronic Submission #381379 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad	
Name (Printed/Typed) KANICIA CASTILLO	Title PREPARER
Signature (Electronic Submission)	Date 07/14/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	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.		
Office _____		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.		

(Instructions on page 2)

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

Pending BLM approvals will
subsequently be reviewed
and scanned

SC 7-14-17

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.
NMNM86025

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

MCINTYRE DK FEDERAL 28H

2. Name of Operator

COG OPERATING LLC

Contact: KANICIA CASTILLO

E-Mail: kcastillo@concho.com

9. API Well No.

30-015-41273

3a. Address

600 W ILLINOIS AVE
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 432-685-4332

10. Field and Pool or Exploratory Area
LOCO HILLS; GLORIETA YESO

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 17 T17S R30E Mer NMP 465FSL 285FWL

11. County or Parish, State

EDDY COUNTY, NM

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

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Hydraulic Fracturing☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☒ Other
Drilling Operations

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 recompleat 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

4/17/17 Test csg to 4500psi for 15min, good.

4/18/17 Drill 58' of new hole to 10,550 new TD. Acidized csg w/ 2500 gals acid.

4/19/17 Pressure test frac valve to 7500#, good test.

4/24/17 - 5/18/17 Perf 33 stages @ 5156 ? 10,396 w/6 SPF, 1188 holes. Acidize 33 stages w/131,040

gals 15% HCL. Frac w/407,946 gals treated water, 8,114,106 gals slick water, 2,504,000# 100 mesh

sand, 2,528,180# 40/70 white sand, 939,420 40/70 Garnet sand, 1,935,760# 40/70 CRC.

5/22/17 ?5/25/17 Drill out plugs. Clean out to PBTD 10,416.

5/30/17 RIH w/ESP, 146jts 2-7/8" J55 tbg, EOT @ 5157. Hang on.

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 03 2017

RECEIVED

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #379945 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad**

Name (Printed/Typed) KANICIA CASTILLO

Title PREPARER

Signature (Electronic Submission)

Date 06/27/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

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.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****Pending BLM approvals will
subsequently be reviewed
and scanned
BC 7-14-17

NM OIL CONSERVATION

ARTESIA DISTRICT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUL 10 2017

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.
NMNM86025

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
MCINTYRE DK FEDERAL 28H9. API Well No.
30-015-4127310. Field and Pool or Exploratory Area
LOCO HILLS11. County or Parish, State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
COG OPERATING LLCContact: KANICIA CASTILLO
E-Mail: kcastillo@concho.com3a. Address
600 W ILLINOIS AVE
MIDLAND, TX 797013b. Phone No. (include area code)
Ph: 432-685-4332

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 17 T17S R30E Mer NMP 465FSL 285FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<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 recompleat 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

3/27/17 Spud 17-1/2? @ 2:00pm. TD 17-1/2? @ 293?. Ran 7jts 13-3/8? J55 54.5# @293?. Cmt w/300sx C & 300sx thixotropic cmt lead, 450sx C tail.

3/28/17 PD @ 12:15am. Circ 600sxs. WOC 12hrs. Test BOP to 250# low to 2000# high for 10 min, good test.

3/29/17 TD 12-1/4? @1127?. Ran 25jts 9-5/8? J55 40# @ 1127?. Cmt w/650sx C, 300sx thixotropic cmt lead, 200sxs C tail.

3/30/17 PD @ 4:08am. Circ 0sxs. WOC. Notified Zota Stevens of cmt results. Run temp survey, cmt @ 130?. Run 1? w/ 83 sx C. Circ 21sx to surface. Test BOP to 250# low to 2000# high for 10min, good test.

4/02/17 TD 8-3/4? vertical hole @ 4261. KOP @ 4261?.

4/04/17 TD 8-3/4? curve @ 5362?.

4/10/17 TD 8-3/4? lateral @ 10,492?MD, 4957?TVD.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #373299 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad**

Name (Printed/Typed) KANICIA CASTILLO

Title PREPARER

Signature (Electronic Submission)

Date 04/19/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

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.

Office

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(Instructions on page 2)

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

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subsequently be reviewed
and scanned

BC 7-14-17

Additional data for EC transaction #373299 that would not fit on the form

32. Additional remarks, continued

4/11/17 Ran, 104jts 7? L80 LTC 29# @ 4248?, 151jts 5-1/2? L80 LTC 17# @ 10,481?.

4/12/17 Cmt w/500sx C lead, 1600sxs C tail. Circ 398sxs. PD @ 10:51am. RR.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.
NMNM86025

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
MCINTYRE DK FEDERAL 28H9. API Well No.
30-015-4127310. Field and Pool or Exploratory Area
LOCO HILLS; GLORIETA YESO11. County or Parish, State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
COG OPERATING LLCContact: KANICIA CASTILLO
E-Mail: kcastillo@concho.com3a. Address
600 W ILLINOIS AVE
MIDLAND, TX 797013b. Phone No. (include area code)
Ph: 432-685-43324. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 17 T17S R30E Mer NMP 465FSL 285FWL**12. CHECK THE 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"/> Hydraulic Fracturing	<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 type="checkbox"/> Other
	<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 checked="" 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 recompleat 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

COG Operating LLC, respectfully requests this water disposal method for the following battery.

McIntyre DK Federal 15 Battery
Producing Formation: Loco Hills; Glorieta-Yeso
Amount Produced: 650 BWPD
Water stored in two 500 bbl Water Tank
Water is transported by 4" DR9 Polypipe to COG's 8" main line water system. The water doesn't go to a particular well, it is distributed into the main water system and is distributed into either the Jenkins B Water Flood WFX-861 or the disposal wells in the system at the Empire Area. The Empire Area wells include the following:
GJ West Coop Unit Water Flood WFX-245-0
Chase 21 State Com 1 SWD - 30-015-30874 SWD-1007

NM OIL CONSERVATION

ARTESIA DISTRICT

JUL 03 2017

RECEIVED

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #379978 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad**

Name (Printed/Typed) KANICIA CASTILLO

Title PREPARER

Signature (Electronic Submission)

Date 06/28/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

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.

Office

Pending BLM approvals will
subsequently be reviewed
and scanned

30 7-14-17

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person know-
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

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

Additional data for EC transaction #379978 that would not fit on the form

32. Additional remarks, continued

Big George SWD 3 - 30-015-28759 SWD-611
Muskegon 16 State Com 1 SWD - 30-015-27108 SWD-624

When trucking water is needed:

The water is hauled to a public disposal in the area.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.
NMNM86025

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
MCINTYRE DK FEDERAL 28H9. API Well No.
30-015-4127310. Field and Pool or Exploratory Area
LOCO HILLS; GLORIETA YESO11. County or Parish, State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
COG OPERATING LLC
Contact: KANICIA CASTILLO
E-Mail: kcastillo@concho.com3a. Address
600 W ILLINOIS AVE
MIDLAND, TX 797013b. Phone No. (include area code)
Ph: 432-685-43324. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 17 T17S R30E Mer NMP 465FSL 285FWL**12. CHECK THE 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"/> Hydraulic Fracturing	<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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Site Facility Diagram/Security Plan
	<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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Please see attached facility diagram.

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 03 2017

RECEIVED

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #379981 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad

Name (Printed/Typed) KANICIA CASTILLO

Title PREPARER

Signature (Electronic Submission)

Date 06/28/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USEApproved By _____
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.

Title

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and scannedTitle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

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

SITE FACILITY DIAGRAM

MCINTYRE DK FED 15 BATTERY

SECT 17, T17S, R30E

Lease No. NMNM86025

WELLS:

MCINTYRE DK FEDERAL 1 30-015-04184
 MCINTYRE DK FEDERAL 10 (7R/Q/GB/SA) 30-015-29424
 MCINTYRE DK FEDERAL 10 (Glor Yeso) 30-015-29424
 MCINTYRE DK FEDERAL 11 (7R/Q/GB/SA) 30-015-30981
 MCINTYRE DK FEDERAL 11 (Glor Yeso) 30-015-30981
 MCINTYRE DK FEDERAL 12Y (7R/Q/GB/SA) 30-015-30772
 MCINTYRE DK FEDERAL 12Y (Glor Yeso) 30-015-30772
 MCINTYRE DK FEDERAL 13 30-015-30679
 MCINTYRE DK FEDERAL 14 (7R/Q/GB/SA) 30-015-34537
 MCINTYRE DK FEDERAL 14 (Glor Yeso) 30-015-34537
 MCINTYRE DK FEDERAL 15 30-015-40896
 MCINTYRE DK FEDERAL 17H 30-015-37821
 MCINTYRE DK FEDERAL 18 30-015-40897
 MCINTYRE DK FEDERAL 19 30-015-40898

Production Phase

Oil Tank #1:

– Open Valves: 1, 5, 6
 – Closed Valves: 2, 3, 8, 9, 10, 12, 13, 14, 15

Sales Phase

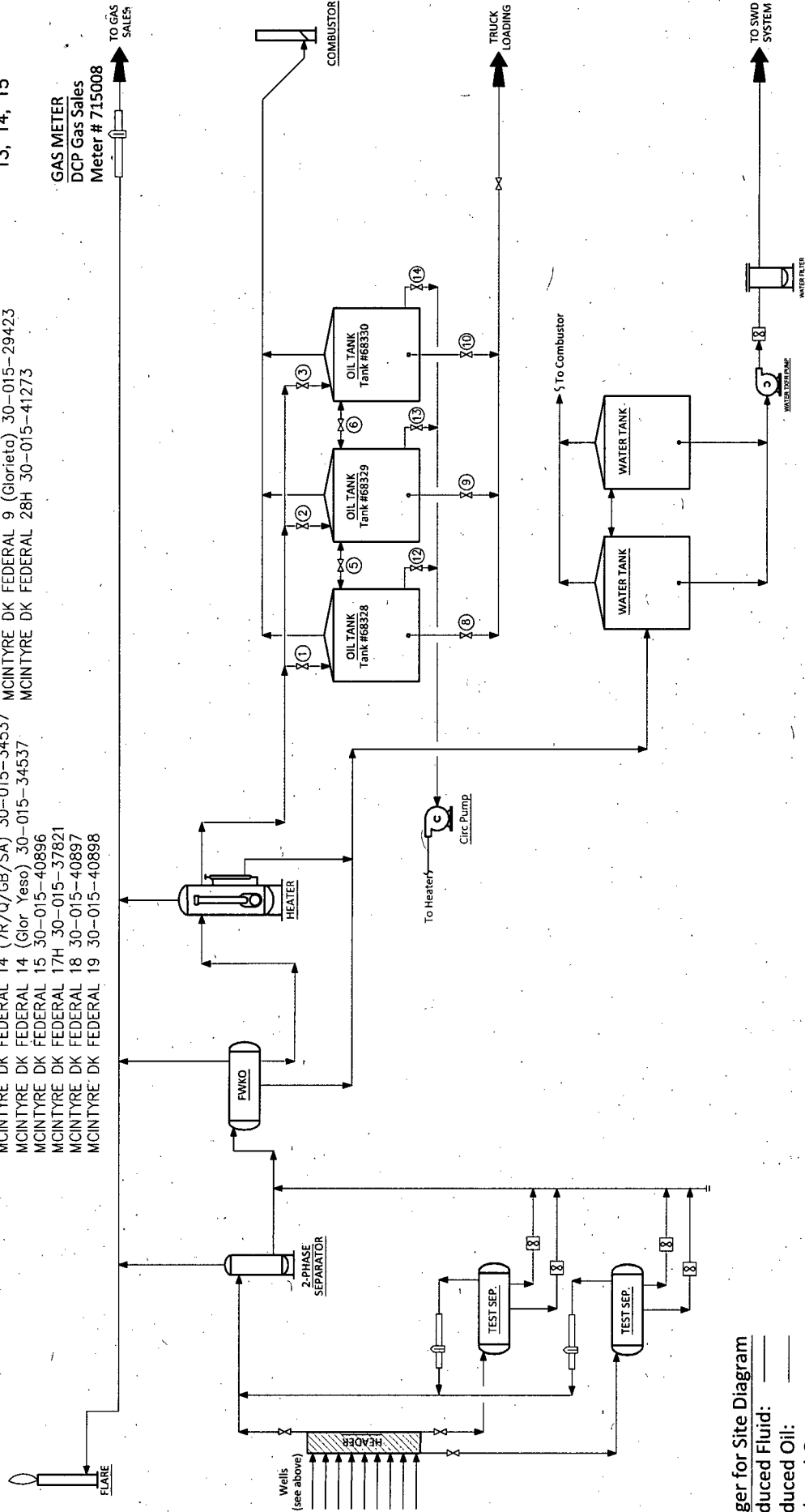
Oil Tank #1:

– Open Valves: 2, 3, 8
 – Closed Valves: 1, 5, 6, 9, 10, 12, 13, 14, 15

GAS METER

DCP Gas Sales

Meter # 715008



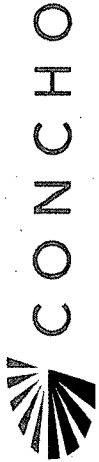
Ledger for Site Diagram

Produced Fluid: _____

Produced Oil: _____

Produced Gas: _____

Produced Water: _____



Location of Site Security Plan:

COG Operating, LLC.

600 W. Illinois

Midland, TX 79701

REVISION DESCRIPTION

4/27/2017 KH Addition of McIntyre DK Fed Com 28H

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