

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
1900 RIO BRAZOS RD., AZTEC, NM 87410

DISTRICT IV
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
11885 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-37821	Pool Code 96718	Pool Name LOCO HILLS; GLORIETA-YESO
Property Code 302524	Property Name McINTYRE DK FEDERAL	Well Number 17H
OGRID No 229137	Operator Name COG OPERATING, LLC	Elevation 3646'

Surface Location

UL or lot No M	Section 17	Township 17-S	Range 30-E	Lot Idn	Feet from the 940	North/South line SOUTH	Feet from the 380	East/West line WEST	County EDDY
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Bottom Hole Location If Different From Surface

UL or lot No P	Section 17	Township 17-S	Range 30-E	Lot Idn	Feet from the 980 276	North/South line SOUTH	Feet from the 350 343	East/West line EAST	County EDDY
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=665737.2 N X=602082.1 E LAT = 32.829757° N LONG. = 104.001004° W BOTTOM HOLE LOCATION Y=665801.0 N X=606651.8 E		OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or an leased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____
DETAILED 3647.4' 3643.5' 600 600 3614.3' 3649.6' GRID AZ = 89°11'57" HORZ DIST = 4571.2'		SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. RONALD J. EIDSON DATE SURVEYED: 07/12/2010 SIGNATURE & SEAL OF PROFESSIONAL SURVEYOR Certificate No. CARY G. EIDSON 12641 RONALD J. EIDSON 3239

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5 Lease Serial No.
NMNM86025

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator COG OPERATING LLC			Contact: KANICIA CARRILLO E-Mail: kcarrillo@conchoresources.com		
3. Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701-4287			3a. Phone No. (include area code) Ph: 432-685-4332		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 17 T17S R30E Mer NMP SWSW Lot M 940FSL 380FWL At top prod interval reported below Sec 17 T17S R30E Mer NMP At total depth SESE Lot P 990FSL 660FEL			8. Lease Name and Well No. MCINTYRE DK FEDERAL 17		
			9. API Well No. 30-015-37821-00-S1		
			10. Field and Pool, or Exploratory LOCO HILLS		
			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 06/21/2010		15. Date T.D. Reached 07/16/2010	16. Date Completed ☐ D & A ☒ Ready to Prod 08/26/2010		17. Elevations (DF, KB, RT, GL)* 3646 GL
18. Total Depth MD 9265 TVD 4557		19. Plug Back T.D. MD 9265 TVD 4557		20. Depth Bridge Plug Set. MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATEDNEUT				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	48.0	0	433		1000		0	0
12.750	9.625 J55	40.0	0	1373		900		0	0
8.750	7.000 P110	26.0	0	4826		750		0	0
6.125	4.500 HCP-110	11.6	4653	9155		0		0	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	4423							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) GLORIETA YESO			4248 TO 8949		18	OPEN (FRAC PORTS)
B) WOLFCAMP	4248	8949				
C)						
D)						

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

Depth Interval	Amount and Type of Material
4248 TO 8949	ACIDIZE W/11,000 GALS 15% ACID.
4248 TO 8949	FRAC W/ 2 13 MILLION GALS GEL, 2 44 MILLION #S 20/40 WHITE SAND

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
08/27/2010	08/29/2010	24	→	243.0	243.0	467.0	35.4	
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status
SI	70	70.0	→	243	243	467	1000	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
08/27/2010	08/29/2010	24	→	243.0	243.0	467.0	35.4	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
SI	70	70.0	→	243	243	467		POW	

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

ELECTRONIC SUBMISSION #92368 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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	1107		DOLOMITE & SAND	YATES	1107
QUEEN	2011		SAND	QUEEN	2011
SAN ANDRES	2720		DOLOMITE & ANHYDRITE	SAN ANDRES	2720
GLORIETA	4148		SAND & DOLOMITE	GLORIETA	4148
YESO	4200		DOLOMITE & ANHYDRITE		

32. Additional remarks (include plugging procedure):

Logs will be sent via mail.
KOP @ 4422.
EOC @ 4950

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 #92368 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by KURT SIMMONS on 09/08/2010 (10KMS2168SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature _____ (Electronic Submission)

Date 09/07/2010

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 ****