

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires November 30, 2000

5 Lease Serial No.
LC-055259

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 Company LLC

8. Lease Name and Well No.
Mohawk Federal #3

3. Address
550 W. Texas, Suite 1300 Midland, TX 79701

3a. Phone No. (include area code)
(432) 685-4395

9. API Well No.
30-015-34901

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

At surface 990' FSL & 990' FWL, Unit M

At top prod. interval reported below

At total depth

JUL - 2 2007

OCD-ARTESIA

10. Field and Pool, or Exploratory
Loco Hills; Glorieta Yeso

11. Sec., T., R., M., on Block and
Survey or Area Sec. 14, T17S, R30E

12. County or Parish
Eddy

13. State
NM

14. Date Spudded
05-10-07

15. Date T.D. Reached
05-25-07

16. Date Completed
☐ D & A ☒ Ready to Prod.
6-18-07

17. Elevations (DF, RKB, RT, GL)*
3686' GR

18. Total Depth: MD
TVD 6205'

19. Plug Back T.D.: MD
TVD 6184'

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CN/HNG; CFL/HNGS

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

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
13 3/8	H-40	48#		435'		180 sxs H		1" CBL	
						748 sxs C			
8 5/8	J-55	32#		1388'		800 sxs C		Circ.	235 sxs
5 1/2"	J-55	17#		6197'		1875 sxs C		Circ.	127 sxs

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 7/8"	5938							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) Loco Hills; Glorieta Yeso	4988	5910	4990'-5189'	2 SPF	32	Open
B)			5313'-5484'	2 SPF	48	Open
C)			5600'-5911	1 SPF	36	Open
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
4990'-5189	See Attachment
5313'-5484'	See Attachment
5600'-5911	See Attachment

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
6-19-07	6-25-07	24	→	113	16	100	37.8		Pumping
Choke Size	Tbg Press Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

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)

MOHAWK FEDERAL #3
API#: 30-015-34901
EDDY, NM

3160-4 (#27) ADDITIONAL INFORMATION

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5600' - 5911'	Acidize w/ 1575 gals 15% NEFE acid.
	Frac w/ 93,563 gals gel, 8021# LiteProp,
	& 74,740# 16/30 white sand; 15,060# 16/30 SiberProp; 4771# Flush.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5313' - 5484'	Acidize w/ 1475 gals 15% NEFE acid.
	Frac w/ 90,145 gals gel, 8000# LiteProp
	& 74,820# 16/30 white sand; 15,300# SiberProp 16/30 sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4990' - 5189'	Acidize w/ 1600 gals 15% NEFE acid.
	Frac w/ 89,830 gals gel, 8000# LiteProp
	& 74,980# 16/30 white sand; 15,380# SiberProp 16/30 sand

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

DISTRICT II
1301 W. GRAND AVENUE, 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 and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

JUL - 2 2007 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 30-015-34901	Pool Code 96718	Pool Name Loco Hills; Glorieta Yeso
Property Code 302531	Property Name MOHAWK FEDERAL	Well Number 3
OGRID No. 229137	Operator Name COG Operating LLC	Elevation 3686'

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	14	17-S	30-E		990	SOUTH	990	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40		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

	<p>OPERATOR CERTIFICATION</p> <p>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 unleased 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.</p> <p><i>Jerry W. Sherrell</i> 4/14/06 Signature Date Jerry W. Sherrell Printed Name</p>
	<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>MARCH 10, 2006</p> <p>Date Surveyed MR</p> <p>Signature & Seal of Professional Surveyor</p> <p><i>Gary E. Eldson</i> 4/14/06 06.11-0483</p> <p>Certificate No. GARY ELDSON 12641</p>