

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA



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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

AUG 13 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 Sks & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
13 3/8	H-40	48#		435'		180 sxs H 748 sxs C		1" CBL	
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	
			→						

ACCEPTED FOR RECORD

AUG 9 2007

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	
			→						

JERRY FANT
PETROLEUM GEOLOGIST

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	1296				
Seven Rivers	1606				
Queen	2220				
San Andres	2959				
Glorieta	4423				
Yeso	4518				

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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)*

Name (please print) Carol Ann Lance

Title Regulatory Analyst

Signature Carol Ann Lance

Date 06/21/2007

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

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



PO Box 1370
Artesia, NM 88211-1370
(505) 748-1288

June 8, 2007

COG, LLC
Fasken Center, Tower II
550 West Texas Ave, Suite 1300
Midland, TX 79701

RE: Mohawk Federal #3
990' FSL & 990' FWL
Sec. 14, T17S, R30E
Eddy County, New Mexico

Dear Sir,

The following is the Deviation Survey for the above captioned well.

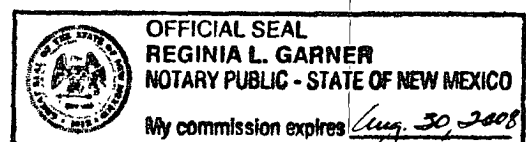
<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
340'	1 3/4°	3558'	1 3/4°
706'	3/4°	3908'	1 1/4°
1115'	1/4°	4328'	1 1/2°
1851'	1°	4765'	1/2°
2328'	1°	5287'	1°
2741'	1°	5791'	1°
3111'	1°		

Very truly yours,

Leroy Curry
Drilling Superintendent

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 20th day of June, 2007.

Notary Public

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COUNTY CLERK
EDDY COUNTY, NEW MEXICO