N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

Form 3160-4
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. **NM-81622**

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**

8. Lease Name and Well No. **Gold Rush 30 Federal #8**

3. Address **550 W. Texas, Suite 1300**

3a. Phone No. *(include area code)* **432-685-4340**

9. API Well No. **30-015-29949**

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

RECEIVED
AUG 16 2005
OCD-ARTESIA

At surface **2630' FSL & 2310' FEL**

At top prod. interval reported below

At total depth

10. Field and Pool, or Exploratory **Nash Draw; Delaware 47545**

11. Sec., T., R., M., on Block and Survey or Area **Sec 30 T23S, R30E**

12. County or Parish **Eddy**

13. State **NM**

14. Date Spudded **04/15/2005**

15. Date T.D. Reached **04/29/2005**

16. Date Completed **07/01/2005**
☐ D & A ☑ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)* **3096 GL**

18. Total Depth: MD TVD **7250**

19. Plug Back T.D.: MD TVD **7169**

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Three Detector Litho-Density CN / GR

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
17-1/2	13-3/8	48	625			520 Cl C		Surf	142sx to pit
11	8-5/8	32	3300			875 Cl C		Surf	184sx to pit
7-7/8	5-1/2	17	7250			420 Cemcrete		3362	

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	6909	none						

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	Delaware	6866		6990 - 7018	.42	57	Open
B)	Delaware	6866		7056 - 7076	.42	41	Open
C)							
D)							

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

Depth Interval	Amount and Type of Material
6990 - 7076	Acidize Delaware perfs w/ 2000 gal 90/10 7-1/2% acid with 140 ball sealers.
6990 - 7076	Frac Delaware perfs w/ 32,500 gals X-linked gel w/ 88,000# 16/30 Ottawa & 32,000# 16/30 resin coated 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	Production Method
07/01/2005	07/09/2005	24		48	200	189	43.0		PUMPING
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	
							4167	PRODUCING	

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 page 2)

ACCEPTED FOR RECORD
AUG 17 2005
LES BABYAK
PETROLEUM ENGINEER

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
DELAWARE	**3370**				
LOWER BRUSHY CANYON	**6866**				
BONE SPRING	**7120**				

32. Additional remarks (include plugging procedure):

33. Indicate which itmes have been attached by placing a check in the appropriate boxes:

☑ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☑ Other: DEVIATION SURVEY

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)* **Phyllis A. Edwards** Title **Regulatory Analyst**

Signature Phyllis Edwards Date **08/05/2005**

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.