

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff Resvr. Other _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator COG OPERATING LLC		8. Lease Name and Well No. HOLDER CB FEDERAL 14	
3. Address 550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701		9. API Well No. 30-015-35964-00-S1	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 9 T17S R30E Mer NMP At surface NWSW 1650FSL 330FWL At top prod interval reported below At total depth		10. Field and Pool, or Exploratory LOCO HILLS	
14. Date Spudded 09/10/2008		15. Date T.D. Reached 09/22/2008	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/21/2008		17. Elevations (DF, KB, RT, GL)* 3680 GL	
18. Total Depth: MD 5935 TVD		19. Plug Back T.D.: MD 5926 TVD	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATEDNEUT	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)			

NOV 25 2008

OCD-ARTESIA

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 H-40	48.0	0	424		928		0	240
11.000	8.625 J-55	32.0	0	1299		600		0	131
7.875	5.500 J-55	17.0	0	5926		1100		0	184

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	5713							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	4374	5710	4374 TO 4664	0.410	36	OPEN
B)			4950 TO 5150	0.410	36	OPEN
C)			5240 TO 5440	0.410	36	OPEN
D)			5510 TO 5710	0.410	48	OPEN

26. Perforation Record

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

Depth Interval	Amount and Type of Material
4374 TO 4664	ACIDIZED W/2500 GALS ACID. FRAC W/100,332 GALS GEL, 112,600# 16/30 SAND, 13,633# SIBERPROP
4950 TO 5150	ACIDIZED W/2500 GALS ACID. FRAC W/113,489 GALS GEL, 146,700# 16/30 SAND, 27,577# SIBERPROP.
5240 TO 5440	ACIDIZED W/2500 GALS ACID. FRAC W/117,121 GALS GEL, 146,300# 16/30 SAND, 31,563# SIBERPROP
5510 TO 5710	ACIDIZED W/2500 GALS ACID. FRAC W/114,528 GALS GEL, 149,000# 16/30 SAND, 30,353# SIBERPROP.

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
10/25/2008	10/30/2008	24	→	80.0	184.0	1298.0	38.5		ELECTRIC PUMPING UNIT
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→	80	184	1298	2300	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	
	SI		→						

ACCEPTED FOR RECORD

NOV 22 2008

WESLEY W. INGRAM
PETROLEUM ENGINEER

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

ELECTRONIC SUBMISSION #64927 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Accepted for record - NMOCD

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.)
CAPTURED

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	1220			YATES	1220
QUEEN	2110			SEVEN RIVERS	1520
SAN ANDRES	2840			QUEEN	2110
YESO	4370			SAN ANDRES	2840
TUBB	5790			YESO	4370
				TUBB	5790

32. Additional remarks (include plugging procedure):
Logs will be mailed.

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 #64927 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 11/20/2008 (09KMS0368SE)**

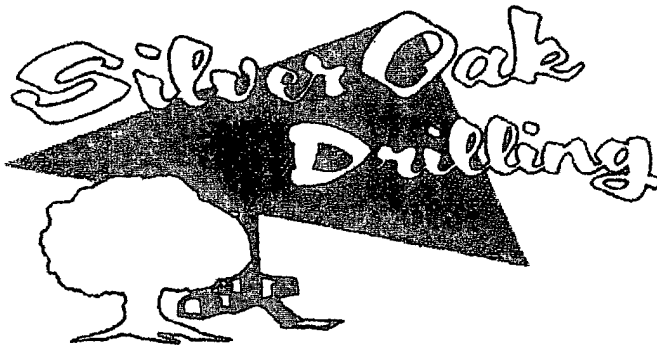
Name (please print) KANICIA CARRILLOTitle PREPARER

Signature _____ (Electronic Submission)

Date 11/19/2008

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 ****



PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

September 30, 2008

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

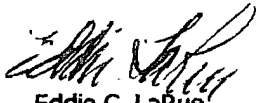
RE: Holder CB Federal #14
1650' FSL & 330' FWL
Sec. 9, T17S, R30E
Eddy County, New Mexico

Dear Sir,

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

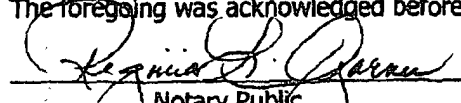
<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
165.00	0.50	3215.00	1.00
375.00	0.50	3438.00	1.25
425.00	0.50	3627.00	0.75
766.00	0.75	2916.00	1.00
1010.00	1.00	4075.00	1.25
1260.00	1.00	4082.00	1.00
1557.00	1.00	3234.00	1.00
1877.00	1.00	4457.00	0.75
2195.00	0.75	4776.00	1.00
2480.00	1.00	5053.00	1.00
2769.00	1.25	5318.00	0.75
2958.00	1.00	5572.00	1.00

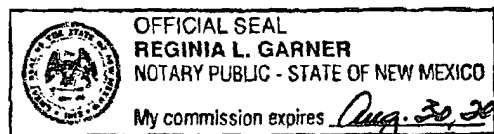
Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 30th day of September, 2008.


Notary Public



State of New Mexico

DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION

1220 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 30-015-35964		Pool Code 96718	Pool Name Loco Hills; Glorieta-Yeso
Property Code 302504	Property Name HOLDER CB FEDERAL		Well Number 14
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 3680'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	9	17-S	30-E		1650	SOUTH	330	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

	OPERATOR CERTIFICATION <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>Diane Kuykendall</i> 9/28/07 Signature Date Diane Kuykendall Printed Name</p>
	SURVEYOR CERTIFICATION <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>SEPTEMBER 14, 2007 Date Surveyed LA Signature & Seal of Professional Surveyor 3239 <i>Ronald Eidson</i> 9/24/07 07-11-1017</p>
	<p>Certificate No. GARY EIDSON 12641 RONALD EIDSON 3239</p>