

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTSEP - 8 2008  
OCD-ARTESIAFORM APPROVED  
OMB No 1004-0137  
Expires, July 31, 2010

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## 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			5 Lease Serial No NMLC056551A		
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 _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator COG OPERATING LLC			Contact: KANICIA CARRILLO E-Mail: kcarrillo@conchoresources.com		
3. Address 550 WEST TEXAS AVE STE 1300 MIDLAND, TX 79701			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 Lot M 330FSL 380FWL 32 84259 N Lat, 103 98382 W Lon At top prod interval reported below Lot M 330FSL 380FWL 32 84259 N Lat, 103.98382 W Lon At total depth Lot M 330FSL 380FWL 32.84259 N Lat, 103.98382 W Lon			8. Lease Name and Well No HOLDER CB FEDERAL 13		
14 Date Spudded 06/26/2008			15 Date T.D Reached 07/05/2008		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 07/25/2008			9. API Well No 30-015-35963		
18. Total Depth: MD 5917 TVD			19. Plug Back T.D.. MD 5865 TVD		
20 Depth Bridge Plug Set: MD TVD			10 Field and Pool, or Exploratory LOCO HILLS, GLORIETA-YESO		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUTRON CCL			11. Sec., T., R., M., or Block and Survey or Area Sec 9 T17S R30E Mer		
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)			12. County or Parish EDDY		
23. Casing and Liner Record (Report all strings set in well)			13 State NM		
17. Elevations (DF, KB, RT, GL)* 3675 GL			18. Date Completed 07/25/2008		

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
17.500	13 375 H40	48.0		437		448		0	178
11 000	8.625 J55	32 0		1303		600		0	215
7 875	5.500 J55	17 0		5916		1000		0	115

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	4803							

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	4890	5090	4890 TO 5090	0 410	36	OPEN
B) YESO	5170	5370	5170 TO 5370	0.410	36	OPEN
C) YESO	5500	5700	5500 TO 5700	0 410	48	OPEN
D)						

Depth Interval	Amount and Type of Material
4890 TO 5090	ACIDIZE W/2,700 GALS ACID FRAC W/92,000 GALS GEL, 102,500# 16/30 SAND 16.633# CRC SAND
5170 TO 5370	ACIDIZE W/2,500 GALS ACID FRAC W/113,000 GALS GEL, 149,000# 16/30 SAND, 30,540# CRC SAND
5500 TO 5700	ACIDIZE W/2,500 GALS ACID FRAC W/117,000 GALS GEL, 148,440# 16/30 SAND, 31,770# CRC SAND

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
08/02/2008	08/05/2008	24	→	76 0	81 0	456 0	37 8		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	
			→					POW	

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)

ELECTRONIC SUBMISSION #62708 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

## 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	1210				
7 RIVERS	1500				
QUEEN	2100				
SAN ANDRES	2830				
YESO	4280				
TUBB	5750				

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 #62708 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 09/03/2008

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.

\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\*

## 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

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 30-015-35963		Pool Code 96718	Pool Name Loco Hills; Glorieta-Yeso
Property Code 302504	Property Name HOLDER CB FEDERAL		Well Number 13
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 3675'

## Surface Location

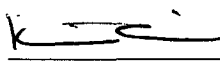
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	9	17-S	30-E		330	SOUTH	380	WEST	EDDY

## 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.
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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>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=670423.1 N X=607346.1 E</p> <p>LAT.=32.842590° N LONG.=103.983817° W</p>				<p>OPERATOR CERTIFICATION</p> <p><i>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.</i></p> <p> 08/21/08</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p>	
				<p>SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p>SEPTEMBER 14, 2007</p> <p>Date Surveyed _____ AR</p> <p>Signature &amp; Seal of Professional Surveyor _____</p> <p>07.11.1016</p> <p>Certificate No. GARY EIDSON 12841 RONALD J. EIDSON 3239</p>	

380'

SEE DETAIL

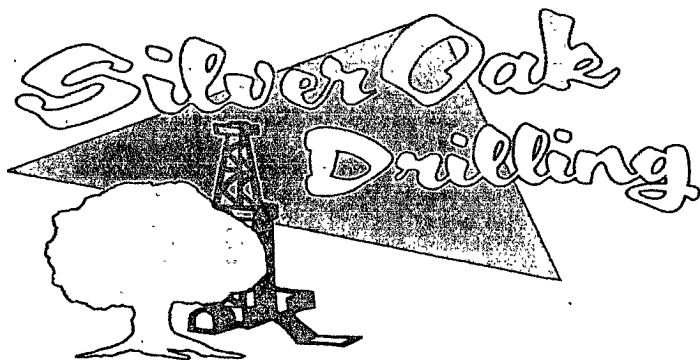
330'

DETAIL

3675.3' 3677.2'

600'

3676.5' 3683.3'



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

July 18, 2008

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

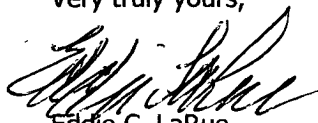
RE: Holder CB Fed #13  
330' FSL & 380' FWL  
Sec. 9, T17S, R30E  
Eddy, New Mexico

Dear Sir,

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

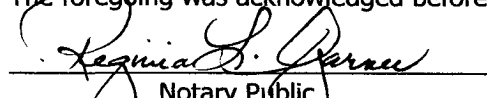
<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
164.00	0.50	2799.00	1.00
418.00	0.75	3119.00	0.50
647.00	1.00	3469.00	0.50
927.00	1.75	3755.00	1.00
1269.00	1.25	4075.00	1.00
1432.00	1.25	4360.00	0.50
1717.00	1.25	4679.00	0.75
1940.00	1.25	4966.00	1.00
2196.00	1.00	5284.00	1.00
2481.00	0.75	5665.00	1.00

Very truly yours,

  
Eddie C. LaRue  
Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 18<sup>th</sup> day of June, 2008.

  
Notary Public

