

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTOCT 03 2008
OCD-ARTESIAFORM 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			5. Lease Serial No. NMNM2933		
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			7. Unit or CA Agreement Name and No		
Contact KANICIA CARRILLO E-Mail: kcarrillo@conchoresources.com			8. Lease Name and Well No. CADDO FEDERAL 5		
3. Address 550 WEST TEXAS AVE STE 1300 MIDLAND, TX 79701			9. API Well No 30-015-35980		
3a. Phone No (include area code) Ph: 432-685-4332			10. Field and Pool, or Exploratory LOCO HILLS, GLORIETA-YESO		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Lot A 990FNL 455FEL 32 83897 N Lat, 103 98654 W Lon At top prod interval reported below Lot A 990FNL 455FEL 32 83897 N Lat, 103 98654 W Lon At total depth Lot A 990FNL 455FEL 32 83897 N Lat, 103 98654 W Lon			11. Sec., T., R., M., or Block and Survey or Area Sec 17 T17S R30E Mer		
14. Date Spudded 07/26/2008			12. County or Parish EDDY		
15. Date T.D. Reached 08/13/2008			13. State NM		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/02/2008			17. Elevations (DF, KB, RT, GL)* 3679 GL		
18. Total Depth. MD TVD 5906			19. Plug Back T.D. MD TVD 5846		
20. Depth Bridge Plug Set. MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUTRON CCL		
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)					

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
17 500	13 375 H40	48.0		442		955		0	289
11.000	8 625 J55	32.0		1313		600		0	259
7 875	5 500 J55	17.0		5906		1000		0	372

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	4677							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	4790	4990	4790 TO 4990	0.410	36	OPEN
B) YESO	5060	5260	5060 TO 5260	0.410	36	OPEN
C) YESO	5330	5530	5330 TO 5530	0.410	48	OPEN
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
4790 TO 4990	ACIDIZE W/3,000 GALS ACID FRAC W/119,907 GALS GEL, 136,640# 16/30 SAND, 28,087# CRC SAND.
5060 TO 5260	ACIDIZE W/2,500 GALS ACID FRAC W/124,800 GALS GEL, 156,300# 16/30 SAND, 31,500# CRC SAND
5330 TO 5530	ACIDIZE W/2,500 GALS ACID FRAC W/124,451 GALS GEL, 146,000# 16/30 SAND, 32,500# CRC 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
09/06/2008	09/10/2008	24	→	119.0	186.0	625.0	38.9		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	

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)

ELECTRONIC SUBMISSION #63397 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	1200				
7 RIVERS	1490				
QUEEN	2090				
SAN ANDRES	2790				
YESO	4320				
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 #63397 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlshad**

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 09/26/2008

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 30-015-35980	Pool Code 96718	Pool Name Loco Hills; Glorieta-Yeso
Property Code 36176	Property Name CADDO FEDERAL	Well Number 5
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3679'

Surface Location

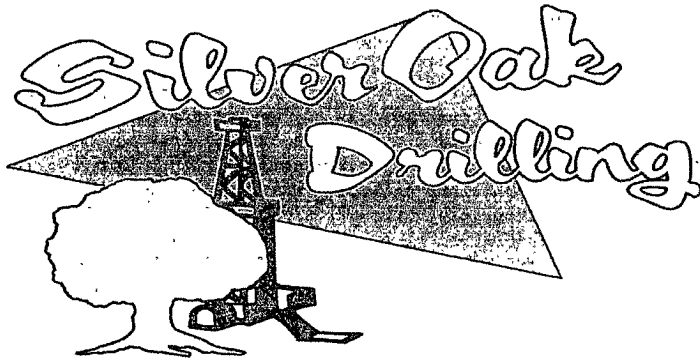
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	17-S	30-E		990	NORTH	455	EAST	EDDY

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>SEE DETAIL</p> <p>455'</p> <p>600'</p> <p>600'</p> <p>3680.6'</p> <p>3676.8'</p> <p>3677.6'</p> <p>3675.4'</p> <p>GEODETTIC COORDINATES NAD 27 NME</p> <p>Y=669101.5 N X=606515.5 E</p> <p>LAT.=32.838965° N LONG.=103.986535° W</p>	<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>Signature <i>Diane Kuykendall</i> Date 9/28/07</p> <p>Printed Name Diane Kuykendall</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>SEPTEMBER 19, 2007</p> <p>Date Surveyed Signature & Seal of Professional Surveyor Professional Surveyor 3239 Certificate No. GARY EIDSON 12641 RONALD EIDSON 3239</p>
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PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

August 26, 2008

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

RE: Caddo Federal #5
990' FNL & 455' FEL
Sec. 17, T17S, R30E
Eddy County, New Mexico

Dear Sir,

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

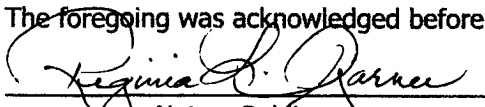
<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
539.00	1.00	2633.00	1.00
800.00	0.50	2938.00	1.50
1045.00	0.50	3192.00	1.00
1267.00	1.00	3478.00	1.50
1411.00	1.50	3735.00	1.50
1729.00	1.00	4028.00	1.50
2011.00	1.00	4975.00	1.50
2333.00	0.50	5812.00	1.50

Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 26th day of August, 2008.


Notary Public

