

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 04 2009

HOBBSSOCL

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Lease Serial No
NMLC029405A

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			Contact ROBYN ODOM		
3. Address 550 W TEXAS AVE SUITE 1300 MIDLAND, TX 79701			3a Phone No. (include area code) Ph. 432 686.4385		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 20 T17S R32E Mer NMP At surface SWNE 2360FNL 1650FEL At top prod interval reported below At total depth			8. Lease Name and Well No BC FEDERAL 32		
14. Date Spudded 11/18/2008			15. Date T/D Reached 12/02/2008		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 12/31/2008			9. API Well No. 30-025-38829-00-S1		
18. Total Depth MD TVD 6900			19. Plug Back T/D MD TVD 6826		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory MALJAMAR ; Yeso - West 4450		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATEDNEUT			11. Sec., T., R., M., or Block and Survey or Area Sec 20 T17S R32E Mer NMP		
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 LEA		
			13. State NM		
17. Elevations (DF, KB, RT, GL)* 4002 GL					

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 H-40	48.0	0	707		600		0	
11 000	8 625 J-55	32.0	0	2180		600		0	
7.875	5 500 L-80	17.0	0	6889		1100		0	

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	6468							

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO			5416 TO 5586		36	OPEN
B) BLINBRY	6540	6740	6000 TO 6200		36	OPEN
C)			6270 TO 6470		36	OPEN
D)			6540 TO 6740		48	OPEN

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

Depth Interval	Amount and Type of Material
5416 TO 5586	ACIDIZE W/83 BBLs ACID
5416 TO 5586	FRAC W/2741 BBLs GEL, 148,284# 16/30 SAND
6000 TO 6200	ACIDIZE W/60 BBLs ACID
6000 TO 6200	FRAC W/2977 BBLs GEL, 179,944# 16/30 SAND

28. Production - Interval A

Date First Produced 01/01/2009	Test Date 01/01/2009	Hours Tested 24	Test Production →	Oil BBL 283.0	Gas MCF 62.0	Water BBL 851.0	Oil Gravity Corr API 38.2	Gas Gravity	<div style="border: 2px solid black; padding: 5px; text-align: center;"> ACCEPTED FOR RECORD ELECTRIC PUMPING UNIT MAR 1 2009 </div>
Choke Size	Tbg Press Flwg SI	Csg Press 70.0	24 Hr Rate →	Oil BBL 283	Gas MCF 62	Water BBL 851	Gas Oil Ratio 219	Well Status POW	

28a Production - Interval B

Date First Produced 01/01/2009	Test Date 01/01/2009	Hours Tested 24	Test Production →	Oil BBL 283.0	Gas MCF 62.0	Water BBL 851.0	Oil Gravity Corr API 38.2	Gas Gravity 0.60	<div style="border: 2px solid black; padding: 5px; text-align: center;"> BUREAU OF LAND MANAGEMENT CARLETON FIELD OFFICE </div>
Choke Size	Tbg Press Flwg SI	Csg Press 70.0	24 Hr Rate →	Oil BBL 283	Gas MCF 62	Water BBL 851	Gas Oil Ratio	Well Status POW	

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

ELECTRONIC SUBMISSION #67405 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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/Solid, 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 QUEEN SAN ANDRES PADDOCK	2062 3039 3775 5384		DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE DOLOMITE & ANHYDRITE		

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

-Acid, Fracture, Treatment, Cement Squeeze etc continued .

6270 - 6470 Acidize w/60 bbls acid
6270 - 6470 Frac w/2998 bbls gel, 182,797# 16/30 sand.
6540 - 6740 Acidize w/60 bbls acid.
6540 - 6740 Frac w/2943 bbls gel, 178,502# 16/30 sand

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 #67405 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by KURT SIMMONS on 02/19/2009 (09KMS0480SE)**

Name (please print) ROBYN ODOM

Title AGENT

Signature _____ (Electronic Submission)

Date 02/19/2009

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 ** REVISED ****

RECEIVED

State of New Mexico

DISTRICT I

1625 N. FRENCH DR., HOBS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-38829	Pool Code 44500	Pool Name Maljamar; Yeso, West
Property Code 302456	Property Name BC FEDERAL	Well Number 32
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 4002'

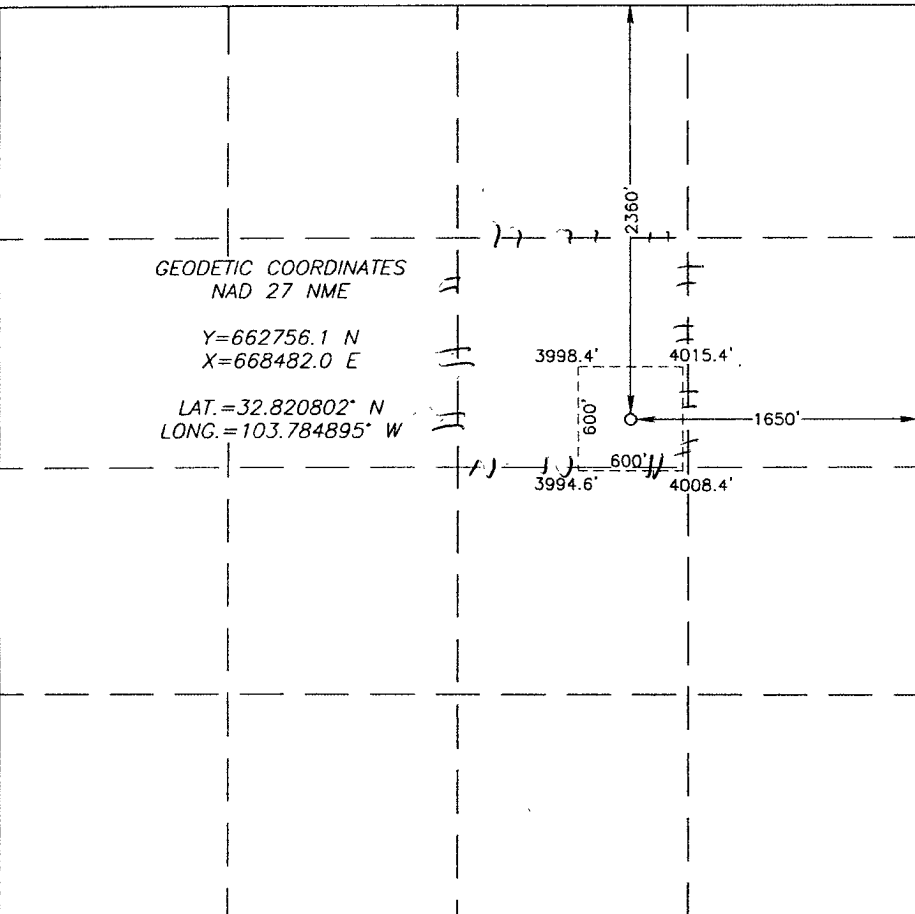
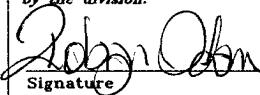
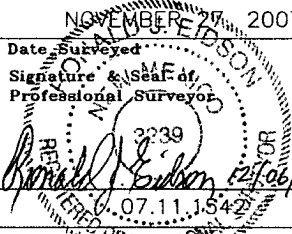
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	20	17-S	32-E		2360	NORTH	1650	EAST	LEA

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>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=662756.1 N X=668482.0 E</p> <p>LAT.=32.820802° N LONG.=103.784895° 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> 02/19/2009 Signature Date Robyn Odom Printed Name</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>NOVEMBER 27 2007 Date Surveyed Signature & Seal of Professional Surveyor  Certificate No. 12841 RONALD J. EIDSON 3239</p>
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