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Form 3160-4
(August 2007)

MAR 29 2010

HOBBSDOCD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

~~CDHARRIS~~
OCD Hobbs

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. BC FEDERAL 50		
3. Address 550 W TEXAS AVE SUITE 1300 MIDLAND, TX 79701			9. API Well No. 30-025-39468-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 19 T17S R32E Mer NMP At surface SWNE 1588FNL 1650FEL At top prod interval reported below At total depth			10. Field and Pool, or Exploratory MALJAMAR; Yes; West 11. Sec., T., R., M., or Block and Survey or Area Sec 19 T17S R32E Mer NMP 12. County or Parish LEA 13. State NM		
14. Date Spudded 11/27/2009		15. Date T.D. Reached 12/09/2009		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/30/2009	
17. Elevations (DF, KB, RT, GL)* 3957 GL		18. Total Depth. MD 6920 TVD 6920		19. Plug Back T.D.: MD 6832 TVD 6832	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL		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 H-40	48.0	0	711		650		0	
11.000	8.625 J-55	32.0	0	2118		700		0	
7.875	5.500 L80	17.0	0	6906		1150		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	6411							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	5334	5470	5334 TO 5470	0.000	18	OPEN
B) YESO	5337	6640	5334 TO 5470		18	OPEN
C) BLINEBRY	5690	6640	5690 TO 6090	0.000	26	OPEN
D)			5690 TO 6090		26	OPEN

26. Perforation Record

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

Depth Interval	Amount and Type of Material
5334 TO 5470	gal acid
5334 TO 5470	gal gel, 106042# 16/30 WS, 12162# 16/30 siberprop
5334 TO 5470	ACIDIZE W/3,000 GALS 15% ACID.
5334 TO 5470	FRAC W/ 105,669 GALS GEL, 106,042# 16/30 WHITE SAND, 12,162# 16/30 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
01/04/2010	01/10/2010	24	→	146.0	26.0	597.0	37.8	0.60	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	
	70	70.0	→	146	26	597	178	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
01/04/2010	01/10/2010	24	→	146.0	26.0	597.0	37.8	0.60	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	
	70	70.0	→	146	26	597		POW	

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

ELECTRONIC SUBMISSION #81679 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD

ELECTRIC PUMPING UNIT

MAR 23 2010

/s/ Chris Walls

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE
ELECTRIC PUMPING UNIT

K2

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 QUEEN SAN ANDRES GLORIETTA YESO TUBB	1989 2963 3715 5222 5324 6768		DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE SAND & DOLOMITE DOLOMITE & ANHYDRITE SAND		

32. Additional remarks (include plugging procedure):

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

6160-6360 ACIDIZE W/3,500 GALS 15% ACID.

6160-6360 FRAC W/ 124,710 GALS GEL, 144,422# 16/30 WHITE SAND, 31,138# 16/30 SIBERPROP.

6440-6640 ACIDIZE W/3,500 GALS 15% ACID.

6440-6640 FRAC W/125,550 GALS GEL, 143,117# 16/30 WHITE SAND, 31,870# 16/30 SIBERPROP.

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 #81679 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by KURT SIMMONS on 02/22/2010 (10KMS0264SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 02/19/2010

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 ****

Additional data for transaction #81679 that would not fit on the form

26. Perforation Record, continued

Perf Interval	Size	No. Holes	Perf Status
6160 TO 6360		26	OPEN
6160 TO 6360	0.000	26	OPEN
6440 TO 6640		26	OPEN
6440 TO 6640	0.000	26	OPEN

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

Depth Interval	Amount and Type of Material
5690 TO 6090	gal acid
5690 TO 6090	gal gel, 143267# 16/30 WS, 31585# 16/30 siberprop
5690 TO 6090	FRAC W/ 124,874 GALS GEL, 143,267# 16/30 WHITE SAND, 31,585# 16/30 SIBERPROP.
5690 TO 6090	ACIDIZE W/3,500 GALS 15% ACID.
6160 TO 6360	gal gel, 144422# 16/30 WS, 31138# 16/30 siberprop
6160 TO 6360	gal acid
6440 TO 6640	gal gel, 143117# 16/30 WS, 31870# 16/30 siberprop
6440 TO 6640	gal acid

32. Additional remarks, continued
