Form 3160-4
(October 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(See other in-
struction on
reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31,1991

5. LEASE DESIGNATION AND SERIAL NO.
LC-054988-A

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1a. TYPE OF WELL: OIL WELL ☒   GAS WELL ☐   DRY ☐   Other _____

b. TYPE OF COMPLETION:

NEW WELL ☐   WORK OVER ☐   DEEPEN ☐   PLUG BACK ☐   DIFF. RESVR. ☒   Other ___ **DHC-3584** ___

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR
COG Operating LLC

3. ADDRESS AND TELEPHONE NO.
550 W. Texas, Suite 1300, Midland, TX 79701   **(432) 685-4372**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface   **990 FNL 1790 FWL**   RECEIVED   OCD - ARTESIA

At top prod. interval reported below

At total depth

8. FARM OR LEASE NAME, WELL NO.
Berry A Federal #12

9. API WELL NO.
30-015-30670

IO. FIELD AND POOL, OR WILDCAT
Grayburg Jackson SR Q G SA

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec 21 T17S R30E

14. PERMIT NO.   DATE ISSUED

12. COUNTY OR PARISH **Eddy**   13. STATE **NM**

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASING HEAD
12/14/99	**12/28/99**	**6/23/2006**	**3668 RKB**	**3656**

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
4840	**4801**		→	**Yes**	

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*

2860-4117', San Andres

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN
Gamma Ray, Neutron, Density, Lateralog, Spectral Gamma Ray

27. WAS WELL CORED

28.   CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13 3/8	**54.5**	**450**	**17 1/2**	**450 sx**	**None**
8 5/8	**24**	**1041**	**12 1/4**	**475 sx**	**None**
5 1/2	**17**	**4814**	**7 7/8**	**915 sx**	**None**

ACCEPTED FOR RECORD

29.   LINER RECORD | 30.   TUBING RECORD

SIZE	T O P (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
JUL 2 6 2006					**2 7/8**	**4718**	

31. PERFORATION RECORD (Interval, size and number)

ALEXIS C. SVVORODA *acs*
PETROLEUM ENGINEER

2860-4117', .41, 218

32.   ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2860-4117'	**See 3160-5 for detail**

33.   PRODUCTION

DATE FIRST PRODUCTION **6/30/2006**	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) **2 1/2 x 2 x 20' pump**	WELL STATUS (Producing or shut-in) **Producing**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL.	GAS-MCF.	WATER-BBL.	GAS- OIL RATIO
7/4/2006	**24**		→	**60**	**152**	**300**	**2533**

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS-MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)
		→	**76**	**190**	**375**	**38**

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED _____   TITLE ___ **Production Clerk** ___   DATE ___ **7/20/2006** ___

*(See Instructions and spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes 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.

37. SUMMARY OF POROUS ZONES- (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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Grayburg Jackson SR Q G SA	2860	4117	

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH TOP	TRUE VERT. DEPTH TOP
Yates	1192	
Seven Rivers	1496	
Queen	2110	
San Andres	2830	
Glorietta	4265	