

**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-029338B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Harvard Federal #5

9. API WELL NO.

30-015-34709

10. FIELD AND POOL, OR WILDCAT

Loco Hills; Paddock

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

Sec. 11 T17S R30E

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

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

2310 FNL & 990 FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR
PARISH
Eddy

13. STATE
NM

15. DATE SPUDDED

4/17/2006

16. DATE T.D. REACHED

5/2/2006

17. DATE COMPL. (Ready to prod.)

5/15/2006

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3754 RKB

19. ELEV. CASING HEAD

3742

20. TOTAL DEPTH, MD & TVD

6250

21. PLUG, BACK T.D., MD & TVD

6217

22. IF MULTIPLE COMPL.,
HOW MANY*

23. INTERVALS
DRILLED BY

Yes

ROTARY TOOLS

CABLE TOOLS

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

5098-5331', Paddock

25. WAS DIRECTIONAL
SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray, Neutron, Density, Lateralog, Spectral Gamma Ray

27. WAS WELL CORED

No

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" H-40	48	441	17 1/2	628sx	None
8 5/8" J-55	32	1328	12 1/4	780sx	None
5 1/2, J-55	17	6243	7 7/8	1475sx	None

29. LINER RECORD

SIZE	T O P (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	5343	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

5098-5331', .45, 68

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5098-5331'	See 3160-5 for detail

33. PRODUCTION

DATE FIRST PRODUCTION 5/19/2006		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) 2 1/2 x 2 x 24' pump				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 5/31/2006	HOURS TESTED 24 hours	CHOKE SIZE	PROD'N FOR TEST PERIOD 82	OIL-BBL. 376	GAS-MCF. 450	WATER-BBL. 450	GAS-OIL RATIO 4585
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE 82	OIL-BBL. 376	GAS-MCF. 450	WATER - BBL.	OIL GRAVITY - API (CORR.)	

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

Sold

35. LIST OF ATTACHMENTS

Deviation Survey and Logs

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

SIGNED

Jerry W. Shenell

TITLE

Production Clerk

DATE

6/22/2006

*(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.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Loco Hills Paddock	5098	5331		Yates	1428	
				Seven Rivers	1728	
				Queen	2326	
				Grayburg	2724	
				San Andres	3042	
				Glorietta	4494	

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