

OCD-ARTESIA

Form 3160-5
(April 2004)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1 Type of Well ☒ Oil Well ☐ Gas Well ☐ Other	APR - 3 2008
2 Name of Operator COG Operating LLC	OCD-ARTESIA
3a Address 550 W. Texas Ave., Suite 1300 Midland, TX 79701	3b Phone No. (include area code) 432-685-4332
4 Location of Well (Footage, Sec., T., R., M., or Survey Description) T-17S, R-30E	

5. Lease Serial No.
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No
8. Well Name and No. Harvard Federal #11
9. API Well No. 3001535960
10. Field and Pool, or Exploratory Area Loco Hills ; Glorieta Yeso 96718
11. County or Parish, State EDDY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change APD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Drill Plan
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

COG respectfully requests a variance for drill plan items #4: casing program, #5: cement program, and #6: minimum specifications for pressure control.

Also attached is well name list that this variance applies to.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Phyllis A. Edwards		Title Regulatory Analyst
Signature <i>Phyllis A. Edwards</i>	Date 03/26/2008	APPROVED
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Title Office	Date APR 1 2008 <i>Wesley W. Ingram</i> WESLEY W. INGRAM PETROLEUM ENGINEER
Title 18 USC Section 1001 and Title 43 USC 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.		

(Instructions on page 2)

Accepted for record - NMOCD

Sundry Notes to Change APD's

Loco Hills Area, T17S, R30E

3/26/08

4. Casing Program

Hole Size	Interval	OD Casing	Weight	Grade	Jt., Condition	Jt.	brst/clps/ten
17 1/2"	0-425'	13 3/8"	48#	H-40	ST&C/New	ST&C	9.22/3.943/15.8
11" or 12 1/4"	0-1300'	8 5/8"	24 or 32#	J-55	ST&C/New	ST&C	3.03/2.029/7.82
7 7/8"	0-TD	5 1/2"	15.5 or 17#	J-55 or L80	LT&C/New	LT&C	1.88/1.731/2.42

5. Cement Program

13 3/8" Surface Casing:

Class C, 475 sx, yield 1.32, back to surface

8 5/8" Intermediate Casing:

11" Hole: Class C, 400 sx lead, yield-2.45 + 200 sx tail, yield-1.32, back to surface.

12-1/4" Hole: Class C, 600 sx lead, yield-2.45 + 200 sx tail, yield-1.32, back to surface.

5 1/2" Production Casing:

Class C, 700 sx Lead, yield-1.97 + 400 sx Tail, yield-1.37, to 200' minimum tie back to intermediate casing

6. Minimum Specifications for Pressure Control

The blowout preventer equipment (BOP) shown in Exhibit #9 will consist of a double ram-type (2000 psi WP) preventer. This unit will be hydraulically operated and the ram type preventer will be equipped with blind rams on top of 4 1/2" drill pipe rams on the bottom. The BOP will be nipped up on the 13 3/8" surface casing and tested to 1000 psi by rig pump. The BOP will then be nipped up on the 8 5/8" intermediate casing and tested by a third party to 2000 psi and used continuously until total depth is reached. All BOP's and accessory equipment will be tested to 2000 psi before drilling out of the intermediate casing. Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment (Exhibit #10) will include a Kelly cock and floor safety valve, choke lines and a choke manifold (Exhibit #11) will a 2000 psi WP rating.

ELM Permits Submitted as of 3-26-08						
Well Name	County	Location	Unit Sec, Township, Range	Permit		Area
				Submitted	Approved	
Caddo Federal #5	Eddy	990 FNL, 330 FEL	Sec 17, T17S, R30E, Unit	09/25/07	12/07/07	LOCO HILLS
Electra Federal #13	Eddy	1741 FNL, 1060 FWL	Sec 10, T17S, R30E, Unit E	12/22/06	03/07/07	LOCO HILLS
Electra Federal #14	Eddy	1750 FNL, 2310 FWL	Sec 10, T17S, R30E, Unit F	12/26/06	02/09/07	LOCO HILLS
Electra Federal #18	Eddy	2310 FNL, 330 FWL	Sec 15, T17S, R30E, Unit E	07/18/07	09/05/07	LOCO HILLS
Electra Federal #20	Eddy	1650 FSL, 330 FWL	Sec 10, T17S, R30E, Unit L	09/14/07	10/27/07	LOCO HILLS
Electra Federal #21	Eddy	1650 FSL, 1650 FWL	Sec 10, T17S, R30E, Unit K	09/14/07	10/27/07	LOCO HILLS
Electra Federal #22	Eddy	2310 FNL, 1650 FWL	Sec 10, T17S, R30E, Unit F	09/20/07		LOCO HILLS
Electra Federal #23	Eddy	2510 FNL, 250 FWL	Sec 10, T17S, R30E, Unit E	08/19/07	12/07/07	LOCO HILLS
Harvard Federal #10	Eddy	1690 FNL, 1055 FWL	Sec 12, T17S, R30E, Unit E	10/05/07	11/01/07	LOCO HILLS
Harvard Federal #11	Eddy	330 FNL, 990 FWL	Sec 12, T17S, R30E, Unit D	10/05/07	12/05/07	LOCO HILLS
Harvard Federal #12	Eddy	700 FNL, 700 FEL	Sec 11, T17S, R30E, Unit A	10/08/07	12/05/07	LOCO HILLS
Holder CB Federal #13	Eddy	330 FSL, 380 FWL	Sec 9, T17S, R30E, Unit M	09/27/07	12/05/07	LOCO HILLS
Holder CB Federal #14	Eddy	1650 FSL, 330 FWL	Sec 9, T17S, R30E, Unit L	09/25/07	12/05/07	LOCO HILLS
Holder CB Federal #15	Eddy	2160 FSL, 890 FWL	Sec 9, T17S, R30E, Unit L	09/25/07	12/05/07	LOCO HILLS
Polaris B Federal #10	Eddy	2310 FSL, 330 FEL	Sec 9, T17S, R30E, Unit I	12/14/06	01/22/07	LOCO HILLS
Polaris B Federal #18	Eddy	330 FNL, 2310 FWL	Sec 17, T17S, R30E, Unit C	09/26/07	11/15/07	LOCO HILLS
Polaris B Federal #19	Eddy	1800 FNL, 2310 FWL	Sec 17, T17S, R30E, Unit F	09/27/07	12/05/07	LOCO HILLS
Polaris B Federal #20	Eddy	2310 FNL, 1650 FWL	Sec 17, T17S, R30E, Unit F	09/27/07	12/05/07	LOCO HILLS
Wooley Federal #11	Eddy	990 FSL, 1650 FWL	Sec 21, T17S, R30E, Unit N	01/08/07	03/06/07	LOCO HILLS

Wooley

not expired - OK