

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103  
May 27, 2004

FEB 21 2008

OCD-ARTESIA

WELL API NO. 30-015-35884
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Yellowstone 23 State Com.
8. Well Number 2H
9. OGRID Number 7377
10. Pool name or Wildcat Four Mile Draw; Wolfcamp

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
4131 GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒  
PULL OR ALTER CASING ☒ MULTIPLE COMPLETION ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

EOG Resources, Inc. requests to change the production casing from 5-1/2", 17 #, N-80, LT&C to a string of 4-1/2", 11.6 #, P-110, LT&C. In order to evaluate the reservoir quality on the edge of the play, EOG Resources intends to use a new Logging While Drilling (LWD) tool that will provide more information about the reservoir. The size of the tool requires a 6-1/8" hole size.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 1/22/08

Type or print name STAN WAGNER E-mail address: \_\_\_\_\_ Telephone No. 432-686-3689

For State Use Only  
DISTRICT II GEOLOGIST

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE FEB 21 2008

Conditions of Approval, if any:

**Permit Information:****FEB 21 2008**

Well Name: Yellowstone 23 State Com #2H

**OCD-ARTESIA**

Revised 2/21/08

**Location:**

SL 1880' FSL &amp; 660' FEL, Section 23, T-18-S, R-21-E, Eddy Co., N.M.

BHL 1880' FSL &amp; 660' FWL, Section 23, T-18-S, R-21-E, Eddy Co., N.M.

**Casing Program:**

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	1,291'	12-1/4"	8-5/8"	32#	J-55	Surface
Production	7,571'	7-7/8" & 6-1/8"	4 1/2"	11.6#	P-110	Surface

**Cement Program:**

Depth	No. Sacks	Slurries:
1,291'	500	Lead: 35:65 Poz C + 6% Bentonite + 0.005 gps FP-6L + 0.005 pps Static Free + 10 pps LCM-1 + 2% CaCl <sub>2</sub>
	400	Tail: Class C + 0.005 gps FP-6L + 0.005 pps Static Free + 0.125 pps CelloFlake
7,571'	630	Lead: 50:50 Poz:Class C + 0.005 gps FP-6L + 10% Bentonite + 0.005 pps Static Free + 0.125 pps CelloFlake
	745	Tail: 50:50 Poz:Class C + 2% Bentonite + 0.005 gps FP-6L + 0.005 pps Static Free + 5% NaCl + 0.3% FL-2A + 0.2% CD-32 + 0.05% R-3

**Mud Program:**

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,291'	Fresh - Gel	8.6-8.8	28-34	N/c
1,291' - 3,800'	Cut Brine	8.8-9.2	28-34	N/c
3,800' - 4,550'	Cut Brine	8.8-9.2	28-34	10-15
3,745' - 7,571'	Polymer (Lateral)	9.0-9.4	40-45	10-25