

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division  
1625 N. French Dr.  
Hobbs, NM 88240

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**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.**

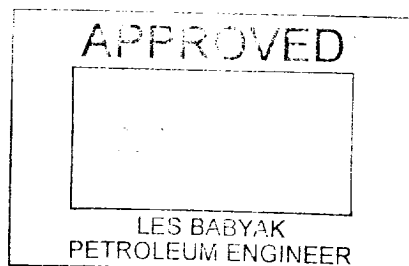
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NM0997
2. Name of Operator EOG RESOURCES, INC.		6. If Indian, Allottee or Tribe Name
3a. Address P. O. BOX 2267 MIDLAND, TX 79702		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 915.686.3689 Ext: 3689 Fx: 915.686.3765		8. Well Name and No. AZTEC 22 FEDERAL 2
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 22 T18S R33E Mer NWNW 660FNL 660FWL		9. API Well No. 30-025-31278
		10. Field and Pool, or Exploratory CORBIN; WOLFCAMP, SOUTH
		11. County or Parish, and State LEA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> 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.)

**WATER DISPOSAL INFORMATION.**



**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed) BEV HATFIELD	Title
Signature <i>Bev Hatfield</i>	Date 08/30/2001

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By _____	Title _____	Date _____
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.		
Office _____		

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.

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## Water Production & disposal Information

AZTEC 22 FED. #2  
NM0997

In order to process your disposal request, the following information must be completed:

1. Name of formations producing water on the lease. WOLFCAMP
2. Amount of water produced from all formations in barrels per day. 8 BWPD
3. Attach a current water analysis of produced water from all zones showing at least the total dissolved solids, ph, and the concentrations of chlorides and sulfates. ( one sample will suffice if the water is commingled )
4. How water is stored on the lease. IN 500 bbl FIBERGLASS TANK.
5. How water is moved to the disposal facility. BY WATER TRANSFER PUMP
6. Identify the Disposal Facility by :
  - A. Facility operators name. EOG RESOURCES, INC.
  - B. Name of facility or well name & number. ECDU #1
  - C. Type of facility or well (WDW)(WIW) etc. injection
  - D. Location by 1/4 1/4 SWSW section 16 township 18S range 33E
7. Attach a copy of the State issued permit for the Disposal Facility.

Submit to this office, 414 West Taylor, Hobbs, NM 88240, the above required information on a Sundry Notice 3160-5. Submit 1 original and 5 copies, within the required time frame. (This form may be used as an attachment to the Sundry Notice.) Call me at 505-393-3612 if you need to further discuss this matter.



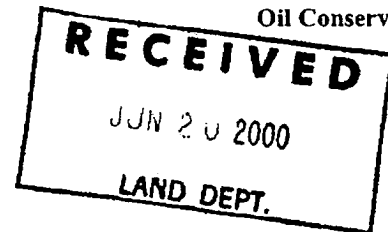
Burlington Well/WF

# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**  
Governor  
**Jennifer A. Salisbury**  
Cabinet Secretary

**Lori Wrotenbery**  
Director  
Oil Conservation Division

June 15, 2000



EOG Resources, Inc.  
P.O. Box 2267  
Midland, Texas 79702

Attn: Mr. M. Lee Roark

**Re: Request to Reinstate Authorization to Inject into the ECDU Well No. 1 (API No. 30-025-30622) (previously known as the State "16" Well No. 4) located 548 feet from the South line and 760 feet from the West line of Section 16, Township 18 South, Range 33 East, NMPM, Lea County, New Mexico. East Corbin Delaware Unit Waterflood Project. Division Order No. R-10390.**

Dear Mr. Roark:

My staff has reviewed your request to reinstate the authorization to inject in the above referenced well. Providing that all conditions contained in the order remain the same and there have been no additional wells drilled or plugged in the area of review, authorization to inject in the above referenced well is hereby approved.

All other provisions and conditions of Division Order No. R-10390 and Division Rules 706 and 1120 shall remain in full force and effect.

Sincerely,

Lori Wrotenbery  
Director

LW/MWA/kv

cc: Oil Conservation Division - Hobbs  
Case No. 11208



**Champion**  
Technologies, Inc.

**Committed To Improvement**

Customer: EOG Inc.

Attention: Dirk Ellyson

CC: Jerry Ball; Ray Foote Glen Carter

## Water Analysis Report

9/4/2001

Address:

Lease: Aztec 22

Formation:

Target Name: Aztec 22 Federal #2

Sample Point: Aztec 22 Federal #2

Sample Date: 08/30/2001

Test Date:

### Water Analysis(mg/L)

Calcium	7539
Magnesium	1166
Barium	13
Strontium	630
Sodium(calc.)	42169
Bicarbonate Alkalinity	85
Sulfate	310
Chloride	82000

### Appended Data(mg/L)

CO2	
H2S	0
Iron	17

### Additional Data

Specific Gravity	1.09
Total Dissolved Solids(Mg/L)	133269
Total Hardness(CaCO3 Eq Mg/L)	23626

### Physical Properties

Ionic Strength(calc.)	2.57
pH(calc.)	
Temperature(°F)	90
Pressure(psia)	50
Density	9.10

Dew Point	
Lead	
Zinc	

### Calcite Calculation Information

Calculation Method	Value
CO2 in Brine(mg/L)	

Remarks:

### SI & PTB Results

Scale Type	SI	PTB
Calcite (Calcium Carbonate)	-1.23	
Gypsum (Calcium Sulfate)	-0.77	
Hemihydrate (Calcium Sulfate)	-0.81	
Anhydrite (Calcium Sulfate)	-0.80	
Barite (Barium Sulfate)	0.92	6.80
Celestite (Strontium Sulfate)	0.07	20.00