

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
811 S. 1st Street
Artesia, NM 88210-2834

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Yates Drilling Company

3. Address and Telephone No.

105 South 4th Street, Artesia, NM 88210

505-748-4500

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL & 1980' FEL Section 30-25S-30E

5. Lease Designation and Serial No.

NM-14785

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Bennett Federal #1

9. API Well No.

30 015 24071

10. Field and Pool, or Exploratory Area

Corral Canyon Delaware

11. County or Parish, State

Eddy County, NM

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

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☒ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Yates Drilling Company respectfully requests permission to dispose of the produced water from the captioned well.

The well produces approximately 17 barrels of water per day from the Delaware formation. The water is stored on location in a 210 barrel fiberglass tank.

The water will be trucked and disposed of by McDaniel Trucking to either the Ross Draw Federal #1, Section 33-26S-30E, Eddy County, NM, OCD #R-7355 or the Dorsate SWD Well #1, Section 27-25S-28E, Eddy County, NM, OCD #SWD247.

Enclosed is a water analysis for the produced water.

RECEIVED
1999 MAY 14 P 12:08
BUREAU OF LAND MGMT.
OIL AND GAS RESOURCE AREA

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

Signed Karen J. Luskman

Title Engineering Technician

Date 4-27-99

(This space for Federal or State office use)

Approved by (ORIG. SGD.) DAVID R. GLASS

Title PETROLEUM ENGINEER

Date MAY-28-1999

Conditions of approval, if any:

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Title 18 U.S.C. Section 1001 makes it unlawful for any person knowingly 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.

*See Instruction on Reverse Side



MILLER CHEMICALS, INC.

Post Office Box 298
Artesia, N.M. 88211-0298
(505) 746-1919 Office
(505) 746-1918 Fax

WATER ANALYSIS REPORT

Company	: YATES DRILLING COMPA	Date	: 5/12/99
Address	: ARTESIA, NM	Date Sampled	: 5/11/99
Lease	: BENNETT FEDERAL	Analysis No.	: 00189
Well	: #1		
Sample Pt.	: WELLHEAD		

ANALYSIS		mg/L		* meq/L
1. pH	5.8			
2. H2S	NEG			
3. Specific Gravity	1.100			
4. Total Dissolved Solids		140738.4		
5. Suspended Solids		NR		
6. Dissolved Oxygen		NR		
7. Dissolved CO2		NR		
8. Oil In Water		NR		
9. Phenolphthalein Alkalinity (CaCO3)				
10. Methyl Orange Alkalinity (CaCO3)				
11. Bicarbonate	HCO3	122.0	HCO3	2.0
12. Chloride	Cl	86265.0	Cl	2433.4
13. Sulfate	SO4	25.0	SO4	0.5
14. Calcium	Ca	5920.0	Ca	295.4
15. Magnesium	Mg	902.6	Mg	74.3
16. Sodium (calculated)	Na	47503.8	Na	2066.3
17. Iron	Fe	NR		
18. Barium	Ba	NR		
19. Strontium	Sr	NR		
20. Total Hardness (CaCO3)		18500.0		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter		Compound	Equiv wt X meq/L	=	mg/L
+-----+	+-----+				
295 *Ca <----- *HCO3	2	Ca (HCO3) 2	81.0	2.0	162
----- /----->	-----	CaSO4	68.1	0.5	35
74 *Mg -----> *SO4	1	CaCl2	55.5	292.9	16252
----- <-----/	-----	Mg (HCO3) 2	73.2		
2066 *Na -----> *Cl	2433	MgSO4	60.2		
+-----+	+-----+	MgCl2	47.6	74.3	3535
Saturation Values Dist. Water 20 C		NaHCO3	84.0		
CaCO3	13 mg/L	Na2SO4	71.0		
CaSO4 * 2H2O	2090 mg/L	NaCl	58.4	2066.3	120753
BaSO4	2.4 mg/L				

REMARKS:

SCALE TENDENCY REPORT

Company : YATES DRILLING COMPA Date : 5/12/99
Address : ARTESIA, NM Date Sampled : 5/11/99
Lease : BENNETT FEDERAL Analysis No. : 00189
Well : #1 Analyst : A. MILLER
Sample Pt. : WELLHEAD

STABILITY INDEX CALCULATIONS (Stiff-Davis Method) CaCO3 Scaling Tendency

S.I. = -0.6 at 60 deg. F or 16 deg. C
S.I. = -0.6 at 80 deg. F or 27 deg. C
S.I. = -0.5 at 100 deg. F or 38 deg. C
S.I. = -0.5 at 120 deg. F or 49 deg. C
S.I. = -0.4 at 140 deg. F or 60 deg. C

CALCIUM SULFATE SCALING TENDENCY CALCULATIONS (Skillman-McDonald-Stiff Method) Calcium Sulfate

S = 2300 at 60 deg. F or 16 deg C
S = 2532 at 80 deg. F or 27 deg C
S = 2684 at 100 deg. F or 38 deg C
S = 2755 at 120 deg. F or 49 deg C
S = 2806 at 140 deg. F or 60 deg C

Respectfully submitted,
A. MILLER