

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M.C. Co.
P.O. Box 1980
Hobbs, NM 88241

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)

Section 30-19S-32E

1980' FSL 1997 FWL

5. Lease Designation and Serial No.

NM-01218

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Elliott Hall B #2

9. API Well No.

30-025-20035

10. Field and Pool, or Exploratory Area

Lusk Delaware West

11. County or Parish, State

Lea 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 NTL-2B
☐ 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.)*

We request permission to dispose of the produced water from this well.
The well produces approximately 60 barrels of water from the Lusk Delaware West.
It is stored in a 210 barrel tank on location. The water will be trucked by
O.K. Hot Oil Service, under permit #41479 to the Loco Hills Disposal. The disposal is
located in Section 16, Township 17 South, Range 30 East, Eddy County, New Mexico.
The permit number is NMOCD #R6811B.

The water analysis is attached.

RECEIVED
1991 OCT -6 P 12:04
BUREAU OF LAND MGMT.
HOBBS, NEW MEXICO

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

Signed

Karen J. Luskman

Title

Engineering Technician

Date

10-3-97

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date



A Baker Hughes company

Baker Petrolite
 422 West Main Street
 Artesia, NM 88210-2041 USA
 Phone: (505) 746-3588
 Fax: (505) 746-3580
 Web site: www.bakerhughes.com/bpci

WATER ANALYSIS REPORT

Reply to:
 P.O. Box 1140
 Artesia, NM 88211-1140 USA

Company : YATES DRILLING
 Address : ARTESIA, NM
 Lease : ELLIOT HALL B
 Well : #2
 Sample Pt. : WELLHEAD

Date : 09/08/97
 Date Sampled : 09/08/97
 Analysis No. : 002

ANALYSIS		mg/L		* meq/L
-----		----		-----
1. pH	5.7			
2. H2S	0 PPM			
3. Specific Gravity	1.180			
4. Total Dissolved Solids		244168.6		
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	158.0	HCO3	2.6
12. Chloride	Cl	151656.0	Cl	4278.0
13. Sulfate	SO4	500.0	SO4	10.4
14. Calcium	Ca	24280.0	Ca	1211.6
15. Magnesium	Mg	3659.4	Mg	301.1
16. Sodium (calculated)	Na	63875.2	Na	2778.4
17. Iron	Fe	40.0		
18. Barium	Ba	NR		
19. Strontium	Sr	NR		
20. Total Hardness (CaCO3)		75700.0		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter		Compound	Equiv wt	X meq/L	= mg/L
-----	-----	-----	-----	-----	-----
+-----+	+-----+				
1212 *Ca <----- *HCO3	3	Ca(HCO3)2	81.0	2.6	210
----- /----->	-----	CaSO4	68.1	10.4	709
301 *Mg -----> *SO4	10	CaCl2	55.5	1198.6	66509
----- <-----/	-----	Mg(HCO3)2	73.2		
2778 *Na -----> *Cl	4278	MgSO4	60.2		
+-----+	+-----+	MgCl2	47.6	301.1	14332
Saturation Values Dist. Water 20 C		NaHCO3	84.0		
CaCO3 13 mg/L		Na2SO4	71.0		
CaSO4 * 2H2O 2090 mg/L		NaCl	58.4	2778.4	162369
BaSO4 2.4 mg/L					

REMARKS: KCL = 0.2%

Petrolite Oilfield Chemicals Group

Respectfully submitted,
 STEVE TIGERT

SCALE TENDENCY REPORT

Company : YATES DRILLING Date : 09/08/97
Address : ARTESIA, NM Date Sampled : 09/08/97
Lease : ELLIOT HALL B Analysis No. : 002
Well : #2 Analyst : STEVE TIGERT
Sample Pt. : WELLHEAD

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

S.I. = 0.2 at 60 deg. F or 16 deg. C
S.I. = 0.2 at 80 deg. F or 27 deg. C
S.I. = 0.2 at 100 deg. F or 38 deg. C
S.I. = 0.3 at 120 deg. F or 49 deg. C
S.I. = 0.3 at 140 deg. F or 60 deg. C

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

S = 568 at 60 deg. F or 16 deg C
S = 632 at 80 deg. F or 27 deg C
S = 672 at 100 deg. F or 38 deg C
S = 690 at 120 deg. F or 49 deg C
S = 701 at 140 deg. F or 60 deg C

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Respectfully submitted,
STEVE TIGERT