N.M. OIL CONS. COMMISSION
P.O. BOX 1980
HOBBS, NEW MEXICO 88240

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
NOV 17 1 49 AM '93
BUREAU OF LAND MGMT
HOBBS, NM.

FORM APPROVED
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 PETROLEUM CORPORATION

3. Address and Telephone No.
105 S. 4th Street, Artesia, NM 88210 (505) 748-1471

4. Location of Well (Footage, Sec., T., R., M., or Survey Description
1980'FSL & 660'FEL
Sec. 23-T25S-R32E

5. Lease Designation and Serial No.
NMNM15317

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No. Fed. No. 1
Paduca AIG Com. Tank Battery

9. API Well No.
3002530387

10. Field and Pool, or Exploratory Area
Permian Basin

11. County or Parish, State
Lea, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
☒ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other	☒ Dispose Water

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

13. Describe Proposed or Completed Operatons (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 Petroleum Corporation is submitting application for produced water from the above well pursuant to NTL-2B, Section II, and requests your approval. The well produces approximately 5 bbls of water per day from the Permian Basin forrmation. The water is stored in a 210 barrel stock tank and transported by B & E to the Flamenco SWD permit #SWD-428.

A water analysis is attached.

RECEIVED NOV 17 '93

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

Signed Shannon Coupland Title Production Clerk Date 11-11-93

(This space for Federal or State office use)
Approved by (ORIG. SGD.) JOE G. LARA Title PETROLEUM ENGINEER Date 12/7/93
Conditions of approval, if any:

*See Instruction on Reverse Side

TRETOLITE
Chemicals and Services

16010 Barker's Point Lane • Houston, Texas 77079
713 558-5200 • Telex: 4620346 • FAX: 713 589-4737

Reply to: P.O. Box FF
Artesia, New Mexico 88210
(505) 746-3588 Phone
(505) 746-3580 Fax

WATER ANALYSIS REPORT

Company : YATES PETROLEUM
Address : ARTESIA, NEW MEXICO
Lease : PADUCA "AIG"
Well : #1
Sample Pt. : WELLHEAD

Date : 11/02/93
Date Sampled : 11/02/93
Analysis No. : 401

	ANALYSIS		mg/L		* meq/L
1.	pH	5.9			
2.	H2S	1 PPM			
3.	Specific Gravity	1.050			
4.	Total Dissolved Solids		78735.0		
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	463.0	HCO3	7.6
12.	Chloride	Cl	47286.0	Cl	1333.9
13.	Sulfate	SO4	500.0	SO4	10.4
14.	Calcium	Ca	1600.0	Ca	79.8
15.	Magnesium	Mg	401.8	Mg	33.1
16.	Sodium (calculated)	Na	28484.2	Na	1239.0
17.	Iron	Fe	NR		
18.	Barium	Ba	NR		
19.	Strontium	Sr	NR		
20.	Total Hardness (CaCO3)		5650.0		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter

80	*Ca <----- *HCO3	8
	/------->	
33	*Mg -----> *SO4	10
	<----------/	
1239	*Na -----> *Cl	1334

Saturation Values Dist. Water 20 C
CaCO3 13 mg/L
CaSO4 * 2H2O 2090 mg/L
BaSO4 2.4 mg/L

Compound	Equiv wt	X meq/L	= mg/L
Ca(HCO3)2	81.0	7.6	615
CaSO4	68.1	10.4	709
CaCl2	55.5	61.8	3431
Mg(HCO3)2	73.2		
MgSO4	60.2		
MgCl2	47.6	33.1	1574
NaHCO3	84.0		
Na2SO4	71.0		
NaCl	58.4	1239.0	72406

REMARKS:
A. MILLER / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted,
STEVE TIGERT

PETROLITE

SCALE TENDENCY REPORT

Company	: YATES PETROLEUM	Date	: 11/02/93
Address	: ARTESIA, NEW MEXICO	Date Sampled	: 11/02/93
Lease	: PADUCA "AIG"	Analysis No.	: 401
Well	: #1	Analyst	: STEVE TIGERT
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. =	-0.5	at	80 deg. F or	27	deg. C
S.I. =	-0.4	at	100 deg. F or	38	deg. C
S.I. =	-0.4	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 =	4355	at	60 deg. F or	16	deg C
S =	4652	at	80 deg. F or	27	deg C
S =	4826	at	100 deg. F or	38	deg C
S =	4892	at	120 deg. F or	49	deg C
S =	4932	at	140 deg. F or	60	deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted,
STEVE TIGERT