

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION
Drawer DD

Artesia, NM 88210

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

NM-059077

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

H O C Federal Gas Com. #2

9. APT Well No.

3001526939

10. Field and Pool, or Exploratory Area

Indian Basin Upper Penn

11. County or Parish, State

Eddy, N.M.

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)

Section 13-T22S-R23E 330' FNL & 330' FwL Unit D, NWNW

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 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 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 1322 bbls of water per day from the Indian Basin Upper Penn formation. The water is stored in a 210 barrel stock tank and pipelined to the Dagger Draw Water System.

A water analysis is attached.

RECEIVED

APR 18 1995

OIL CON. DIV.

DIST. 2

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

Signed Shannon Conpland

Title Production Clerk

Date 4/13/95

(This space for Federal or State office use)

Approved by

Title

PETROLEUM ENGINEER

Date

4/13/95

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes 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.

*See Instruction on Reverse Side

TRETOLITE DIVISION

(505) 746-3588
Fax (505) 746-3580

Reply to:
P.O. Box FF
Artesia, NM
88211-7531

WATER ANALYSIS REPORT

Company : YATES PETROLEUM
Address : ARTESIA, NEW MEXICO
Lease : HOC FEDERAL
Well : #2
Sample Pt. : WELLHEAD

Date : 02/06/95
Date Sampled : 02/03/95
Analysis No. : 0026

ANALYSIS		mg/L		* meq/L	
-----		----		-----	
1.	pH	6.6			
2.	H2S	170 PPM			
3.	Specific Gravity	1.020			
4.	Total Dissolved Solids	29897.3			
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	707.0	HCO3	11.6
12.	Chloride	Cl	15549.0	Cl	438.6
13.	Sulfate	SO4	2500.0	SO4	52.1
14.	Calcium	Ca	2160.0	Ca	107.8
15.	Magnesium	Mg	98.6	Mg	8.1
16.	Sodium (calculated)	Na	8882.7	Na	386.4
17.	Iron	Fe	NR		
18.	Barium	Ba	NR		
19.	Strontium	Sr	NR		
20.	Total Hardness (CaCO3)		5800.0		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter				Compound				Equiv wt X meq/L = mg/L	
+-----+				+-----+				+-----+	
108	*Ca <-----	*HCO3	12	Ca(HCO3)2	81.0	11.6	939		
	/----->			CaSO4	68.1	52.1	3543		
8	*Mg ----->	*SO4	52	CaCl2	55.5	44.1	2449		
	<-----/			Mg(HCO3)2	73.2				
386	*Na ----->	*Cl	439	MgSO4	60.2				
				MgCl2	47.6	8.1	386		
Saturation Values Dist. Water 20 C				NaHCO3	84.0				
CaCO3		13 mg/L		Na2SO4	71.0				
CaSO4 * 2H2O		2090 mg/L		NaCl	58.4	386.4	22580		
BaSO4		2.4 mg/L							

REMARKS: KCl 0.0%
----- A. MILLER

Petrolite Oilfield Chemicals Group

Respectfully submitted,
ANDY MILLER

SCALE TENDENCY REPORT

Company	: YATES PETROLEUM	Date	: 02/06/95
Address	: ARTESIA, NEW MEXICO	Date Sampled	: 02/03/95
Lease	: HOC FEDERAL	Analysis No.	: 0026
Well	: #2	Analyst	: ANDY MILLER
Sample Pt.	: WELLHEAD		

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

S.I. =	0.5	at	60 deg. F	or	16 deg. C
S.I. =	0.6	at	80 deg. F	or	27 deg. C
S.I. =	0.6	at	100 deg. F	or	38 deg. C
S.I. =	0.7	at	120 deg. F	or	49 deg. C
S.I. =	0.8	at	140 deg. F	or	60 deg. C

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

S =	2999	at	60 deg. F	or	16 deg C
S =	3175	at	80 deg. F	or	27 deg C
S =	3267	at	100 deg. F	or	38 deg C
S =	3291	at	120 deg. F	or	49 deg C
S =	3297	at	140 deg. F	or	60 deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted,
ANDY MILLER

YATES PETROLEUM CORPORATION

SALT WATER DISPOSAL WELLS IN NEW MEXICO

September 1, 1992

FOREMAN	LEASE #	WELL NAME	LOCATION	ORDER #	APPROXIMATE BWP DISPOSED OF	AVERAGE INJECTION PRESSURE	INJECTION INTERVAL
CHAVEZ	013400-001	BOB GUSHWA COM #1	21-18S-26E	R-5322	0	N/A	8983-9128
HORNER	013749-001	BROWN AET #1	26-16S-37E	SWD-324	81566	VAC-300	10366-10694
ANES	018614-001	CHAMPLIN UL FEDERAL #1	12-8S-31E	R-7130	14882	950	4009-4217
PERY	019399-001	COMPROMISE AET FED COM #1	30-18S-27E	SWD-400	6306	490	8054-8153
DEHLER	019730-001	COTTON MCK COM #1	14-19S-23E	SWD-370	229284	1870	7680-8000
CHAVEZ	021657-001	DAVID ROSS SWD #1	35-22S-31E	SWD-419	57946	329	4500-5670
CHAVEZ	021700-001	DAYTON TOWNSITE GAS COM #1	21-18S-26E	R-7600	39202	173	8901-9062
CHAVEZ	001539-001	DONAHUE FEDERAL #1	10-20S-24E	SWD-377	2750	400	4296-4596
PERY	024155-001	BODY GR STATE #1	16-23S-28E	SWD-414	7434	330	2892-3194
HANES	025300-001	FEDERAL HI #1 (LINDA)	31-6S-26E	R-5545	1694	238	963-1470
PERY	025615-001	FLAMENCO SWD #1	7-22S-32E	SWD-428	109383	885	4676-5814
PERY	025836-002	FLOWER AGA STATE #2	3-26S-28E	SWD-325	1500	377	2352-2833
HORNER	026334-001	FREEMAN ACP #1	22-16S-37E	R-8290	0	0	10050-10350
HORNER	003200-001	HARRIS STATE #1	29-13S-34E	SWD-224	65899	781	10390-10395
HORNER	032270-001	HOOVER ADR STATE #1	1-17S-33E	SWD-402	10892	VAC	3767-3774
CHAVEZ	032771-001	HUMBLE HOBBS FEDERAL #1	24-20S-24E	SWD-434	339876	1438	9600-11580
HANES	036986-001	LOVELADY ADN STATE #1	31-8S-33E	SWD-294	11322	VAC	4286-4419
PERY	037132-001	LUSK #1 SWD (LUSK #4 SWD)	35-19S-32E	SWD-480	5428	160	4733-7678
CHAVEZ	039834-004	MEMOSA AHS #4	4-20S-24E	SWD-474	166593	468	9836-11139 (OH)
CHAVEZ	039834-001	MEMOSA AHS FEDERAL #1	4-20S-24E	SWD-408	105134	920	9515-11011
ATKINS	040010-002	MITCHELL IN #2	23-17S-25E	R-5602	26312	55	8879-9362
DEHLER	043620-001	OSAGE #1	21-19S-25E	SWD-336	42720	1431	7672-7813
HANES	043844-013	PATHFINDER AFT STATE #13	21-10S-27E	SWD-415	137050	VAC	6442-6729
HANES	043844-007	PATHFINDER AFT STATE #7	21-10S-27E	SWD-394	0	0	2450-2650
HANES	043940-003	PATTON AAR STATE #3	5-9S-32E	R-3637	662	VAC	5805-5920
HORNER	046582-001	RED HAT STATE UNIT #1	2-16S-33E	SWD-468	N/A	N/A	9570-9900
DEHLER	047690-002	ROUTH NU COM #2	14-19S-24E	SWD-399	91471	991	9766-11311
DEHLER	047556-003	ROY AET #3	7-19S-25E	SWD-437	86096	1135	10025-11311
CHAVEZ	051990-001	STATE CO #1	36-19S-24E	SWD-285	93415	1327	10000-11052
CHAVEZ	052125-001	STATE D #1	16-20S-24E	SWD-395	95234	1450	2595-3685
PERY	052526-001	STONEWALL YE STATE #1	30-20S-28E	R-8265	14361	657	4219-4308
HANES	052844-002	SUN UWF FEDERAL #2	10-8S-33E	R-8271	14581	1176	10071-10350
HORNER	057888-002	SWAN VB STATE #2	21-14S-33E	R-7792	64629	VAC-120	