

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 ☐ Other	5. Lease Designation and Serial No. NM-82906
2. Name of Operator YATES PETROLEUM CORPORATION (505) 748-1471	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 105 South 4th St., Artesia, NM 88210	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., of Survey Description) 24-85-32E Section 31-T5S-R25E	8. Well Name and No. Shell James AOO Federal #1
	9. API Well No. 30-005-10120
	10. Field and Pool, or Exploratory Area Und. Chaveroo San Andres
	11. County or Parish, State Chaves, 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
☐ Subsequent Report	☐ Recompletion
☐ Final Abandonment Notice	☐ 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 Log form.)

13. Described proposed or Completed operations (clearly state all pertinent details, and give pertinent dates, including estimated date of stating any proposed work. If well is directionally drilled, give surface 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 NTL2-B, Section II, and requests your approval. The well produces approximately 122 bbls of water per day from the Und. Chaveroo San Andres formation. The water is stored in a 210 barrel stock tank and transported by Jim's Water Services to the Yates' Pathfinder AFT ST. #13 SWD permit # SWD-415.

A water analysis is attached.

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

Signed Shannon Coupland Title production clerk

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date 1-5-95

APPROVED
PETER W. CHESTER

Date
JAN 27 1995

BUREAU OF LAND MANAGEMENT
ROSWELL, NEW MEXICO
RESOURCE AREA

TRETOLITE DIVISION

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

WATER ANALYSIS REPORT

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

Company : YATES PETROLEUM Date : 11/11/94
 Address : ARTESIA, NEW MEXICO Date Sampled : 11/11/94
 Lease : SHELL JAMES Analysis No. : 932
 Well : #1
 Sample Pt. : WELLHEAD

ANALYSIS		mg/L	* meq/L
-----		----	-----
1. pH	5.4		
2. H ₂ S	80 PPM		
3. Specific Gravity	1.140		
4. Total Dissolved Solids		218278.4	
5. Suspended Solids		NR	
6. Dissolved Oxygen		NR	
7. Dissolved CO ₂		NR	
8. Oil In Water		NR	
9. Phenolphthalein Alkalinity (CaCO ₃)			
10. Methyl Orange Alkalinity (CaCO ₃)			
11. Bicarbonate	HCO ₃	341.0	HCO ₃ 5.6
12. Chloride	Cl	133338.0	Cl 3761.3
13. Sulfate	SO ₄	1250.0	SO ₄ 26.0
14. Calcium	Ca	10080.0	Ca 503.0
15. Magnesium	Mg	2654.1	Mg 218.4
16. Sodium (calculated)	Na	70615.3	Na 3071.6
17. Iron	Fe	NR	
18. Barium	Ba	NR	
19. Strontium	Sr	NR	
20. Total Hardness (CaCO ₃)		36100.0	

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt	X meq/L	= mg/L
+-----+				
503 *Ca <----- *HCO ₃	Ca(HCO ₃) ₂	81.0	5.6	453
/----->	CaSO ₄	68.1	26.0	1772
218 *Mg -----> *SO ₄	CaCl ₂	55.5	471.4	26157
<-----/	Mg(HCO ₃) ₂	73.2		
3072 *Na -----> *Cl	MgSO ₄	60.2		
+-----+	MgCl ₂	47.6	218.4	10395
Saturation Values Dist. Water 20 C	NaHCO ₃	84.0		
CaCO ₃ 13 mg/L	Na ₂ SO ₄	71.0		
CaSO ₄ * 2H ₂ O 2090 mg/L	NaCl	58.4	3071.6	179502
BaSO ₄ 2.4 mg/L				

REMARKS:

----- A. MILLER

Petrolite Oilfield Chemicals Group

Respectfully submitted,
STEVE TIGERT

JAN 9 8 30 AM '94

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SCALE TENDENCY REPORT

Company : YATES PETROLEUM Date : 11/11/94
Address : ARTESIA, NEW MEXICO Date Sampled : 11/11/94
Lease : SHELL JAMES Analysis No. : 932
Well : #1 Analyst : STEVE TIGERT
Sample Pt. : WELLHEAD

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

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. = -0.1 at 120 deg. F or 49 deg. C
S.I. = -0.1 at 140 deg. F or 60 deg. C
S.I. = -0.0 at 160 deg. F or 71 deg. C

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

S = 1677 at 80 deg. F or 27 deg C
S = 1781 at 100 deg. F or 38 deg C
S = 1827 at 120 deg. F or 49 deg C
S = 1859 at 140 deg. F or 60 deg C
S = 1830 at 160 deg. F or 71 deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted,
STEVE TIGERT

YATES PETROLEUM CORPORATION

SALT WATER DISPOSAL WELLS IN NEW MEXICO

September 1, 1992

CO	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 AEI #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
PERRY	019599-001	COMPROMISE AEJ FED COM #1	30-18S-27E	SWD-400	6306	490	8054-8153
DEHLER	019730-001	COTTON MX COM #1	14-19S-25E	SWD-370	229284	1870	7680-8000
PERRY	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
PERRY	024155-001	EDDY 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	258	963-1470
PERRY	025615-001	FLAMENCO SWD #1	7-22S-32E	SWD-428	109383	885	4676-5814
PERRY	025836-002	FLOWER AGA STATE #2	3-26S-28E	SWD-325	1500	377	2552-2833
HORNER	026334-001	FREEMAN ACF #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	11332	VAC	4286-4419
PERRY	037132-001	LUSK #1 SWD (LUSK #4 SWD)	35-19S-32E	SWD-480	5428	160	4733-7678
CHAVEZ	039834-004	MIMOSA AHS #4	4-20S-24E	SWD-474	166593	468	9836-11159 (OH)
CHAVEZ	039834-001	MIMOSA AHS FEDERAL #1	4-20S-24E	SWD-408	105334	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	9766-11110
DEHLER	047556-003	ROY AET #3	7-19S-25E	SWD-437	86096	1135	10025-11311
DEHLER	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
PERRY	052526-001	STONEWALL YE STATE #1	30-20S-28E	R-8265	14365	657	4219-4308
HANES	052844-002	SUN UW FEDERAL #2	10-8S-33E	R-8271	14581	1176	
HORNER	052888-002	SWAN VB STATE #2	21-14S-33E	R-7292	64629	VAC-120	10071-10350