OCD - Hobbs

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.: NMNM 34477

6. If Indian, Allottee or Tribe Name:

7. If Unit or CA, Agreement Designation:

1. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.: Lineberry Federal #1

2. Name of Operator: Chuza Operating

9. API Well No.: 30-025-26245

3. Address and Telephone No.: c/o Box 953, Midland, Texas 79702

10. Field and Pool, or Exploratory Area: Tubb Oil & Gas

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1650 FNL & 330 FWL
Unit Letter E, Section 5, T-23-S, R-38-E, NMPM

11. County or Parish, State: Lea

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
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other BLM request for disposal method.	[ ] 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.)*

As requested by letter of 8-20-2001, the following information is submitted in order for our produced water disposal (NTB-2B) method to be approved.

(1). Producing formation on lease: Tubb

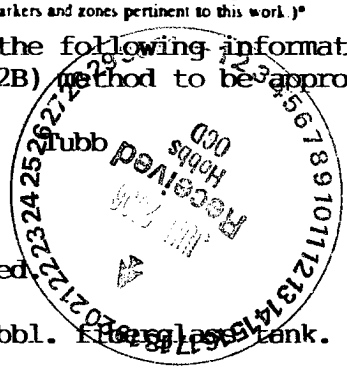
(2). 5 bbls. produced per day

(3). Current water analysis attached.

(4). Water is stored in a low 210 bbl. fiberglass tank.

(5). Water is trucked from our facility.

(6). Disposal facility list attached.



APPROVED
JUN 14 2006
LES BABYAK
PETROLEUM ENGINEER

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Signed [signature] Title Regulatory Agent Date 9-18-01

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
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.

GWW

*See Instruction on Reverse Side

Oilfield Mud & Chemicals
WATER ANALYSIS REPORT

SAMPLE

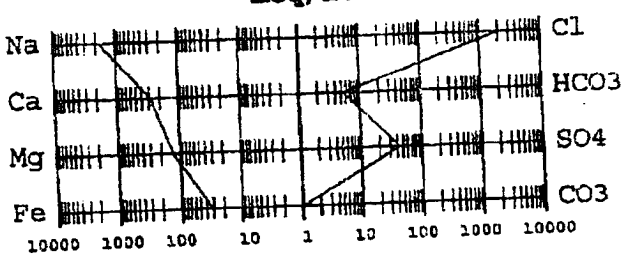
Oil Co. : Chuza Operating
Lease : LINE BERRY
Well No.: # 1
Lab No. :

Sample Loc. :
Date Analyzed: JANUARY 15, 201
Date Sampled :

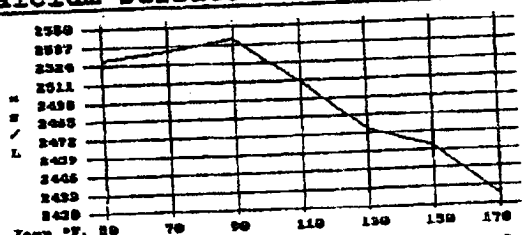
ANALYSIS

1.	pH		6.980		
2.	Specific Gravity 60/60 F.		1.088		
3.	$CaCO_3$ Saturation Index	@ 80 F.	+0.634		
		@ 140 F.	+1.514		
			MG/L	EQ. WT.	*MEQ/L
	Dissolved Gasses				
4.	Hydrogen Sulfide		Not Present		
5.	Carbon Dioxide		Not Determined		
6.	Dissolved Oxygen		Not Determined		
	Cations				
7.	Calcium	(Ca^{++})	5,511	/ 20.1 =	274.18
8.	Magnesium	(Mg^{++})	1,520	/ 12.2 =	124.59
9.	Sodium	(Na^{+}) (Calculated)	40,503	/ 23.0 =	1,761.00
10.	Barium	(Ba^{++})	Not Determined		
	Anions				
11.	Hydroxyl	(OH^{-})	0	/ 17.0 =	0.00
12.	Carbonate	($CO_3^{=}$)	0	/ 30.0 =	0.00
13.	Bicarbonate	(HCO_3^{-})	317	/ 61.1 =	5.19
14.	Sulfate	($SO_4^{=}$)	2,000	/ 48.8 =	40.98
15.	Chloride	(Cl^{-})	74,983	/ 35.5 =	2,112.20
16.	Total Dissolved Solids		124,834		
17.	Total Iron (Fe)		543	/ 18.2 =	29.81
18.	Total Hardness As $CaCO_3$		20,018		
19.	Resistivity @ 75 F. (Calculated)		0.062 /cm.		

LOGARITHMIC WATER PATTERN
*meq/L.



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT. X	*meq/L =	mg/L.
$Ca(HCO_3)_2$	81.04	5.19	420
$CaSO_4$	68.07	40.98	2,790
$CaCl_2$	55.50	228.01	12,654
$Mg(HCO_3)_2$	73.17	0.00	0
$MgSO_4$	60.19	0.00	0
$MgCL_2$	47.62	124.59	5,933
$NaHCO_3$	84.00	0.00	0
$NaSO_4$	71.03	0.00	0
NaCl	58.46	1,759.60	102,866

*Milli Equivalents per Liter

This water is slightly corrosive due to the pH observed on analysis.
The corrosivity is increased by the content of mineral salts in solution.

Sept. 18, 2001

Chuza Operating

Lineberry Federal #1

30-025-2624

Lea County, N.M.

All water produced is hauled by Vista Services (505) 394-4084. The following is a list of disposal sites they utilize.

Marr Water Disposal, Inc.
Cities Federal #1, R-7504
Sec 20, 22S, 36E

Sundance Services
NM-01-0003
Sec 29, 21S, 38E

Key SWD
Sec 18, 22S, 37E

Attachment to Form 3160-5, 9-18-01.