

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOC

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Stratco Operating Co., Inc.

3a. Address
1629 West Lake Dr. Austin, Tx. 78746

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
T23S R28E Sec. 12

3b. Phone No. (include area code)
800-460-5090

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FEB 09 2005

DOB: 01/01/2001

5. Lease Serial No. *N.M. 32636*

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No. *HF "12" #2*

9. API Well No. *30-D15-28927*

10. Field and Pool, or Exploratory Area

11. County or Parish, State
Eddy

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

- Bone Springs*
- 80 bbls/day*
- H₂O Analysis attached*
- 400 bbl. steel tank*
- Pump to H₂O disposal*
- Brind Creek Resources*
Culebra Bluff SWD
Sec. 2 T23S R28E Eddy Co., N.M.
Permit # L-6383 Order SWD -481

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14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Title *Pumper*

Signature

Date *1-31-01*

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

(ORIG. SGD.) *ALEXIS C. SWOBODA*

PETROLEUM ENGINEER

Date *FEB 07 2005*

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

RFO

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : Sratco Operating
Lease : HF'12' Fed.
Well No. : # 2
Lab No. : F:\ANALYSES\Feb0300.001

Sample Loc. :
Date Analyzed: 03-February-2000
Date Sampled : 20-January-2000

ANALYSIS

1. pH 6.000
2. Specific Gravity 60/60 F. 1.198
3. CaCO₃ Saturation Index @ 80 F. +2.882
@ 140 F. +2.883

Dissolved Gasses

- | | MG/L | EQ. WT. | *MEQ/L |
|---------------------|----------------|---------|--------|
| 4. Hydrogen Sulfide | 0 | | |
| 5. Carbon Dioxide | Not Determined | | |
| 6. Dissolved Oxygen | Not Determined | | |

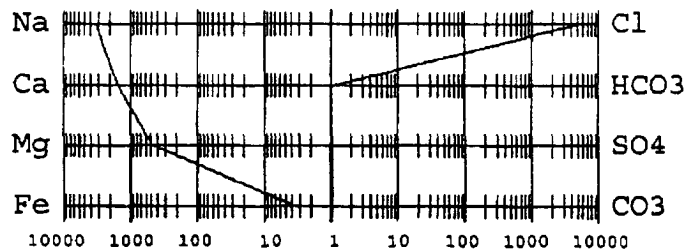
Cations

- | | | | |
|------------------------------|----------|----------|----------|
| 7. Calcium (Ca++) | 30,368 | / 20.1 = | 1,510.85 |
| 8. Magnesium (Mg++) | 5,584 | / 12.2 = | 457.70 |
| 9. Sodium (Na+) (Calculated) | 73,272 | / 23.0 = | 3,185.74 |
| 10. Barium (Ba++) | Below 10 | | |

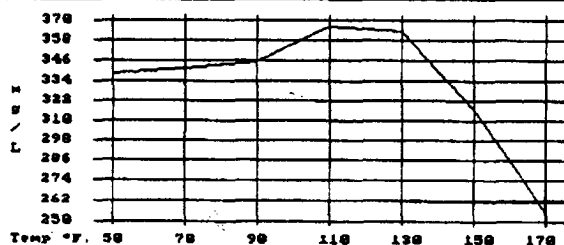
Anions

- | | | | |
|---|------------|----------|----------|
| 11. Hydroxyl (OH-) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate (CO ₃ =) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate (HCO ₃ -) | 54 | / 61.1 = | 0.88 |
| 14. Sulfate (SO ₄ =) | 18 | / 48.8 = | 0.37 |
| 15. Chloride (Cl-) | 182,959 | / 35.5 = | 5,153.77 |
| 16. Total Dissolved Solids | 292,255 | | |
| 17. Total Iron (Fe) | 59 | / 18.2 = | 3.21 |
| 18. Total Hardness As CaCO ₃ | 98,824 | | |
| 19. Resistivity @ 75 F. (Calculated) | 0.001 /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	0.88	72
CaSO ₄	68.07	0.37	25
CaCl ₂	55.50	1,509.59	83,782
Mg(HCO ₃) ₂	73.17	0.00	0
MgSO ₄	60.19	0.00	0
MgCl ₂	47.62	457.70	21,796
NaHCO ₃	84.00	0.00	0
NaSO ₄	71.03	0.00	0
NaCl	58.46	3,186.48	186,281

*Milli Equivalents per Liter

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