

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 86540

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Colt Federal #1

9. API Well No.

30-015-27288

10. Field and Pool, or Exploratory Area

Old Millman Ranch Bone Spring

11. County or Parish, State

ESQY, NM

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

Chi Operating, Inc

3. Address and Telephone No.

PO Box 1799 Midland TX 79702 915 685 5001

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

UNIT LETTER P, 990' FSL + 660' FSL Sec 4 T20S R28E

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

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ 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 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.)*

APPLICATION FOR DISPOSAL OF PRODUCED WATER

1) FORMATION: 1ST BONE SPRING SAND

2) CURRENT WATER PRODUCTION: 7 BWPD

3) WATER ANALYSIS: ATTACHED

4) WATER IS STORED ON LEASE IN 210 BBL FIBERGLASS TANK

5) WATER IS TRANSPORTED VIA TRUCK TO DISPOSAL FACILITY.
(Schuback Permian)

6) SWD - Rohmer SWD, SE NW, SEC 23, T22S, R27E

NMOCD PERMIT 020445

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

Signed [Signature]

Title Operations Manager

Date 11/10/94

(This space for Federal or State office use)

Approved by [Signature] Signed by Shannon J. Shaw

Title PETROLEUM ENGINEER

Date 12/13/94

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



P.O. BOX 2187
OBBS, N.M. 88240

PHONE: (505) 393-7726

WATER ANALYSIS REPORT

Report for: David Myers
cc: Mike Edwards
cc:
cc:
Company: C.H.I. Energy
Address:
Service Engineer: Mike Edwards

Date sampled: 05/09/94
Date reported: 05/11/94
Lease or well # : Colt Fed. #1
County: State:
Formation:
Depth:
Submitted by: Mike Edwards

CHEMICAL COMPOSITION :	mg/L	meq/L
Chloride (Cl)	118000	3329
Iron (Fe) (total)	6.0	
Total hardness	9000	
Calcium (Ca)	2807	140
Magnesium (Mg)	486	39
Bicarbonates (HCO ₃)	524	9
Carbonates (CO ₃)	0	
Sulfates (SO ₄)	591	12
Hydrogen sulfide (H ₂ S)	0	
Carbon dioxide (CO ₂)	781	
Sodium (Na)	72920	3170
Total dissolved solids	195329	
Barium (Ba)	n/a	
Strontium (Sr)	n/a	

Specific Gravity 1.139
Density (#/gal.) 9.492
pH 6.310
IONIC STRENGTH 3.45

Stiff-Davis (CaCO₃) Stability Index :

SI = pH - pCa - pAlk - K

SI @ 86 F = +0.27
104 F = +0.50
122 F = +0.76
140 F = +1.05
158 F = +1.37

This water is 3241 mg/l (-79.46%) under ITS CALCULATED
CaSO₄ saturation value at 82 F.

SATURATION= 4079 mg/L

PRESENT= 838 mg/L

REPORTED BY ROBERT C MIDDLETON *Rcm*
TECHNICAL SERVICES REPRESENTATIVE

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C.H.I. ENERGY

BJ SERVICES

WATER ANALYSIS

Date: 5/12/94
 Company: Chi Energy
 Well Name: Colt #1
 County: Eddy
 State: New Mexico
 Station: Hobbs

Report #: 14W-021
 Sample #: 3 of 5
 Formation: Bone Springs
 Depth: 7000
 H₂O Type: Wellhead
 Requested By: John Wolf

pH: 6.53
 Temperature (°F): 60
 Specific Gravity: 1.130

Sulfide: Absent
 Reducing Agents: Absent
 S.G. 60°F: 1.130

CATIONS	mg/l	me/l	ppm
Sodium (calc)	77411	3366	68505
Calcium	3900	195	3451
Magnesium	1380	115	1380
Iron (Fe++)	6.00	0.22	5.31
Iron (Fe+++)	30.00	1.08	26.55

ANIONS	mg/l	me/l	ppm
Chloride	130000	3662	115044
Sulfate	341	7	302
Bicarbonate	459	8	406
Phosphate	0.0		0.0
Total Dissolved Solids	213527		188962
Total Hardness as CaCO ₃	15500		13717

Calcium Carbonate Scale: PROBABLE

Calcium Sulfate Scale: REMOTE

Equivalent NaCl Concentration: 189530

Analyzed by: G. Benton

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 AHT

