

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Artesia, NM 88210

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

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 LOTTER E, 610' FWL + 1930' FNL, Sect 3, T20S R28E

5. Lease Designation and Serial No.

NM-13232-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Winchester FARM #2

9. API Well No.

30-015-27069

10. Field and Pool, or Exploratory Area

OLD MILLMAN Ranch BOW Spring

11. County or Parish, State

EDDY, NM

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 BOW SPRING SAND
- 2) CURRENT WATER PRODUCTION: 3 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 Formation)
- 6) SWD- ROHMER SWD, SE NW SEC 23 T 22S, R 27E
NMOC D 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 Shannon J. Shaw

Title PETROLEUM ENGINEER

Date 12/13/94

Conditions of approval, if any:



P.O. BOX 2187
BBS, 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 # : Winchester Fed. #2
County: State:
Formation:
Depth:
Submitted by: Mike Edwards

CHEMICAL COMPOSITION :	mg/L	meq/L
Chloride (Cl)	113000	3188
Iron (Fe) (total)	22.0	
Total hardness	8650	
Calcium (Ca)	2646	132
Magnesium (Mg)	498	40
Bicarbonates (HCO ₃)	549	9
Carbonates (CO ₃)	0	
Sulfates (SO ₄)	955	20
Hydrogen sulfide (H ₂ S)	0	
Carbon dioxide (CO ₂)	781	
Sodium (Na)	70021	3044
Total dissolved solids	187670	
Barium (Ba)	n/a	
Strontium (Sr)	n/a	

Specific Gravity 1.134
Density (#/gal.) 9.450
pH 6.240
IONIC STRENGTH 3.31

Stiff-Davis (CaCO₃) Stability Index :
SI = pH - pCa - pAlk - K

SI @ 86 F = +0.15
104 F = +0.38
122 F = +0.64
140 F = +0.93
158 F = +1.25

This water is 3333 mg/l (-71.11%) under ITS CALCULATED
CaSO₄ saturation value at 82 F.
SATURATION= 4687 mg/L PRESENT= 1354 mg/L

REPORTED BY ROBERT C MIDDLETON *Rcm*
TECHNICAL SERVICES REPRESENTATIVE

RECEIVED
NOV 21 11 19 AM '94
OFFICE

BJ SERVICES

WATER ANALYSIS

Date: 5/12/94
Company: Chi Energy
Well Name: Winchester #2
County: Eddy
State: New Mexico
Station: Hobbs

Report #: 14W-022
Sample #: 4 of 5
Formation: Bone Springs
Depth: 7000
H₂O Type: Wellhead
Requested By: John Wolf

pH: 6.35
Temperature (°F): 60
Specific Gravity: 1.120

Sulfide: Absent
Reducing Agents: Absent
S.G. 60°F: 1.120

CATIONS	mg/l	me/l	ppm
Sodium (calc)	68482	2977	61145
Calcium	3600	180	3214
Magnesium	1140	95	1140
Iron (Fe++)	48.00	1.72	42.86
Iron (Fe+++)	22.00	0.79	19.64

ANIONS	mg/l	me/l	ppm
Chloride	115000	3239	102679
Sulfate	406	8	363
Bicarbonate	493	8	440
Phosphate	0.0		0.0
Total Dissolved Solids	189191		168921
Total Hardness as CaCO ₃	13750		12277
Calcium Carbonate Scale:	PROBABLE		
Calcium Sulfate Scale:	REMOTE		
Equivalent NaCl Concentration:	169214		

Analyzed by: G. Benton



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