

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC-069280-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Sulimar Queen Unit

8. FARM OR LEASE NAME

Tract 1

9. WELL NO.

Tract 1-14

10. FIELD AND POOL, OR WILDCAT

Sulamar Queen Unit

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 24, T15S, R29E

12. COUNTY OR PARISH 13. STATE

Chaves

N.M.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different depth.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL ☐ GAS ☐ OTHER ☐

Water Injection Well

SEP 22 1980

2. NAME OF OPERATOR

McClellan Oil Corporation ✓

O. C. D.

3. ADDRESS OF OPERATOR

Drawer 730, Roswell, New Mexico

ARTESIA, OFFICE

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1345' FSL & 1450' FWL

JUL 21 1980

U.S. GEOLOGICAL SURVEY

ARTESIA, NEW MEXICO

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, FSL, or FWL)

3937' GL

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other) Install flow line for water injection

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. 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.)*

Propose to lay approximately 600' of 2" steel line, wrapped on the outside and cement lined on the inside from an existing water line to the well as shown on the attached field plat, to inject fresh and produced Queen water into the Queen sand. The line will be buried 18" below ground.

Attachments: Field plat
Approved Form 9-331
Water analysis

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

SIGNED

PETER W. CHESTER

TITLE

Operator

DATE

July 19, 1980

(This space for Federal or State office use)

APPROVED BY

(Orig. Bgd.) PETER W. CHESTER

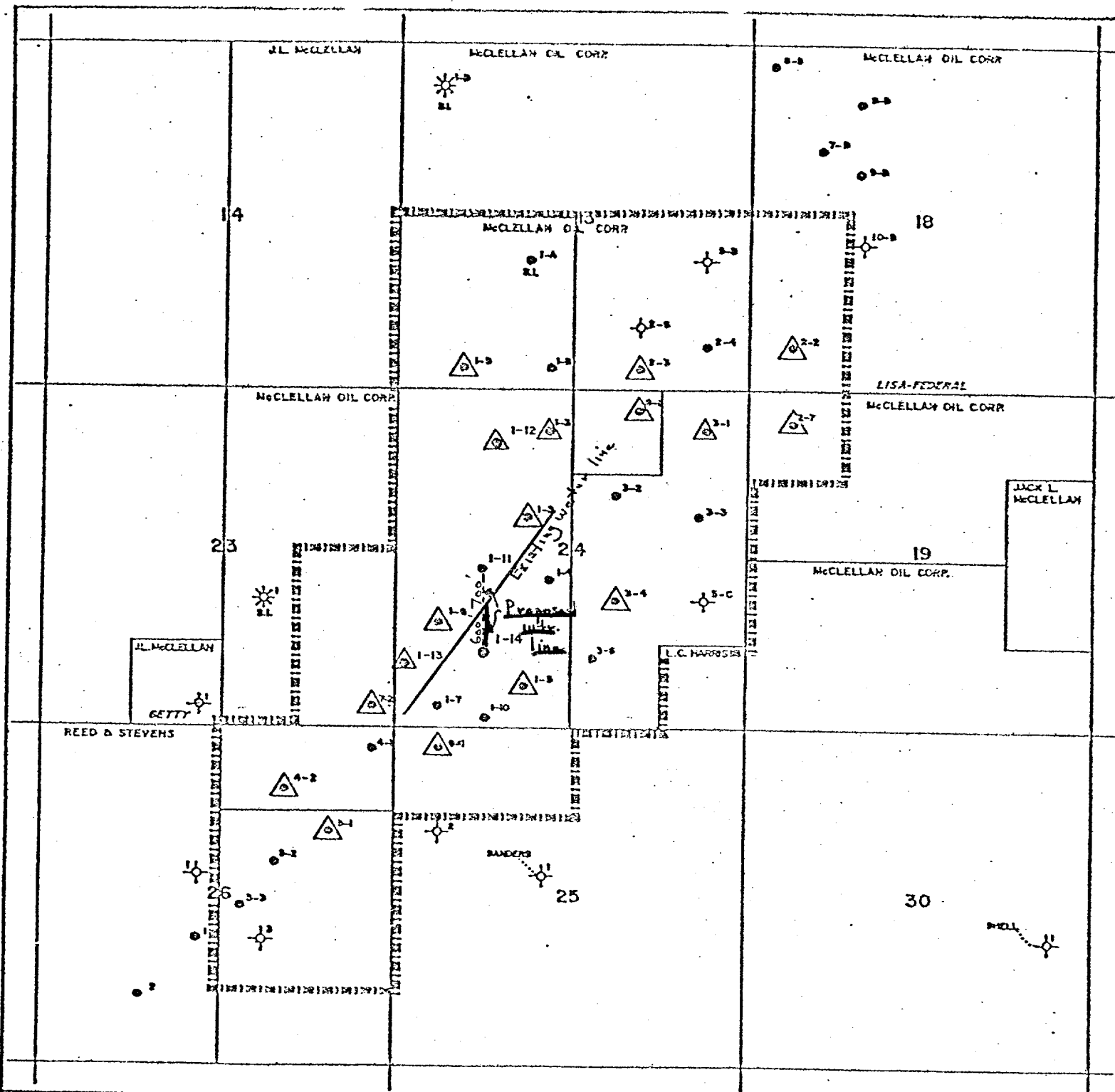
TITLE

ACTING DISTRICT ENGINEER

DATE

SEP 17 1980

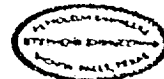
CONDITIONS OF APPROVAL, IF ANY:



- LEGEND —
- PRODUCING WELL
 - ⊗ PLUGGED AND ABANDONED
 - ⊙ DRY HOLE
 - ☼ GAS WELL
 - RI SHUT-IN
 - PROPOSED LOCATION-PRODUCING WELL
 - △ PROPOSED LOCATION-WATER INJECTION WELL
 - △ PROPOSED WATER INJECTION WELL

McCLELLAN OIL CORPORATION
SULIMAR QUEEN FIELD
CHAVES COUNTY, NEW MEXICO

FIELD MAP



OPERATOR'S COPY

Form 9-331
(May 1963)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC-069280-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

MCClellan Oil Corporation ✓

3. ADDRESS OF OPERATOR

P. O. Drawer 730, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

1345' FSL & 1450' FWL

7. UNIT AGREEMENT NAME

Sulimar Queen Unit

8. FARM OR LEASE NAME

Tract 1

9. WELL NO.

Tract 1-14

10. FIELD AND POOL, OR WILDCAT

Sulimar Queen Unit

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 24-T15S-R29E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3937 GL

12. COUNTY OR PARISH

Chaves

13. STATE

New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

☐
☐
☐
☐

(Other) Convert oil well to water injection well

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. 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.)*

Propose to convert oil well to water injection well as per Unit Agreement of Sulimar Queen Water Unit Waterflood.

Will utilize packer set at approximately 1895'. Tubing will be lined and annulus between tubing and casing will be filled with anti-corrosive fluid. Pressure gauge will be on casing tubing annulus to check for packer leaks.

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

SIGNED

J. McClellan

TITLE

Operator

DATE

7/11/80

(This space for Federal or State office use)

APPROVED BY

TITLE

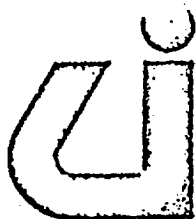
AGENT IN CHARGE

DATE

JUL 14 1980

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



UNICHEM
INTERNATIONAL

Home Office 707 N. Leech, P. O. Box 1499 / Hobbs, NM 88240 / Ph. 505/393-7751, TWX 910/986-0010

Company McClellan Oil Company

Field _____

Lease Sulimar Queen Unit (Waterflood Sampling Date 8-22-79
Plant)

Type of Sample Fresh water

WATER ANALYSIS

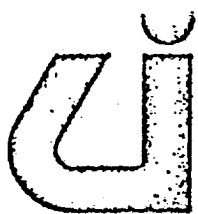
IONIC FORM	me/l *	mg/l *
Calcium (Ca++)	4.00	80
Magnesium (Mg++)	1.60	19
Sodium (Na+) (CALCULATED)	0	0
Iron (Total)		0.5
Bicarbonate (HCO ₃ -)	3.20	195
Carbonate (CO ₃ -)	Not	Found
Hydroxide (OH-)	Not	Found
Sulphate (SO ₄ -)	.92	44
Chloride (Cl-)	1.47	52
Total Dissolved Solids		390
7.97 pH c 68 °F		
Dissolved Solids on Evap. at 103°-105° C		
Hardness as CaCO ₃	5.60	280
Carbonate Hardness as CaCO ₃ (temporary)	3.20	160
Non-Carbonate Hardness as CaCO ₃ (permanent)	2.40	120
Alkalinity as CaCO ₃	3.20	160
Specific Gravity c 69° F 1.000		

* mg/l = milligrams per liter

* me/l = milliequivalent: per liter

CaCO₃ S.I. positive @ 86°F (0.86)

CaSO₄ S.I. negative (0.30)



UNICHEM
INTERNATIONAL

Home Office 707 N. Leech, P. O. Box 1499 / Hobbs, NM 88240 / Ph. 505/393-7751, TWX 910/936-0010

Company McClellan Oil Company

Field _____

Lease Sulimar Queen Unit (Waterflood Sampling Date 8-22-79
Plant)

Type of Sample Produced water

WATER ANALYSIS

IONIC FORM	me/l *	mg/l *
Calcium (Ca++)	228.00	4,560
Magnesium (Mg++)	371.94	4,463
Sodium (Na+) (CALCULATED)	3396.61	78,088
Iron (Total)		33
Bicarbonate (HCO ₃ -)	3.00	183
Carbonate (CO ₃ -)	Not	Found
Hydroxide (OH-)	Not	Found
Sulphate (SO ₄ -)	45.55	2,188
Chloride (Cl-)	3948.00	140,000
Total Dissolved Solids		229,482
5.14 pH c 68 °F		
Dissolved Solids on Evap. at 103° - 105° C		
Hardness as Ca CO ₃	599.94	29,847
Carbonate Hardness as CaCO ₃ (temporary)	3.00	150
Non-Carbonate Hardness as CaCO ₃ (permanent)	596.94	29,847
Alkalinity as CaCO ₃	3.00	150
Specific Gravity c 68° F 1.151		

* mg/l = milligrams per Liter

* me/l = milliequivalents per Liter

CaCO₃ S.I. negative @ 86 °F (0.06)

CaSO₄ S.I. negative (0.76)