

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

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 ☒ Water Injection Well		RECEIVED JUL 21 1980 SEP 22 1980 O. C. D. ARTESIA, OFFICE	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR McClellan Oil Corporation ✓			Sulimar Queen Unit
3. ADDRESS OF OPERATOR Drawer 730, Roswell, New Mexico 88201			8. FARM OR LEASE NAME Tract 1
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations. See also space 17 below.) At surface 1370' FWL & 2615' FSL			9. WELL NO. Tract 1-11
14. PERMIT NO.		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3959.8 GL	10. FIELD AND POOL, OR WILDCAT Sulimar Queen Unit
			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24, T15S R29E
			12. COUNTY OR PARISH Chaves
			13. STATE N.M.

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 to inject water

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 700' of 2" steel pipe, wrapped on the outside, and cement lined on the inside. Line will be laid as shown on the attached field plat from an existing water ^{to} the well, a distance of approximately 700', to inject fresh and produced 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

TITLE Operator

DATE July 19, 1980

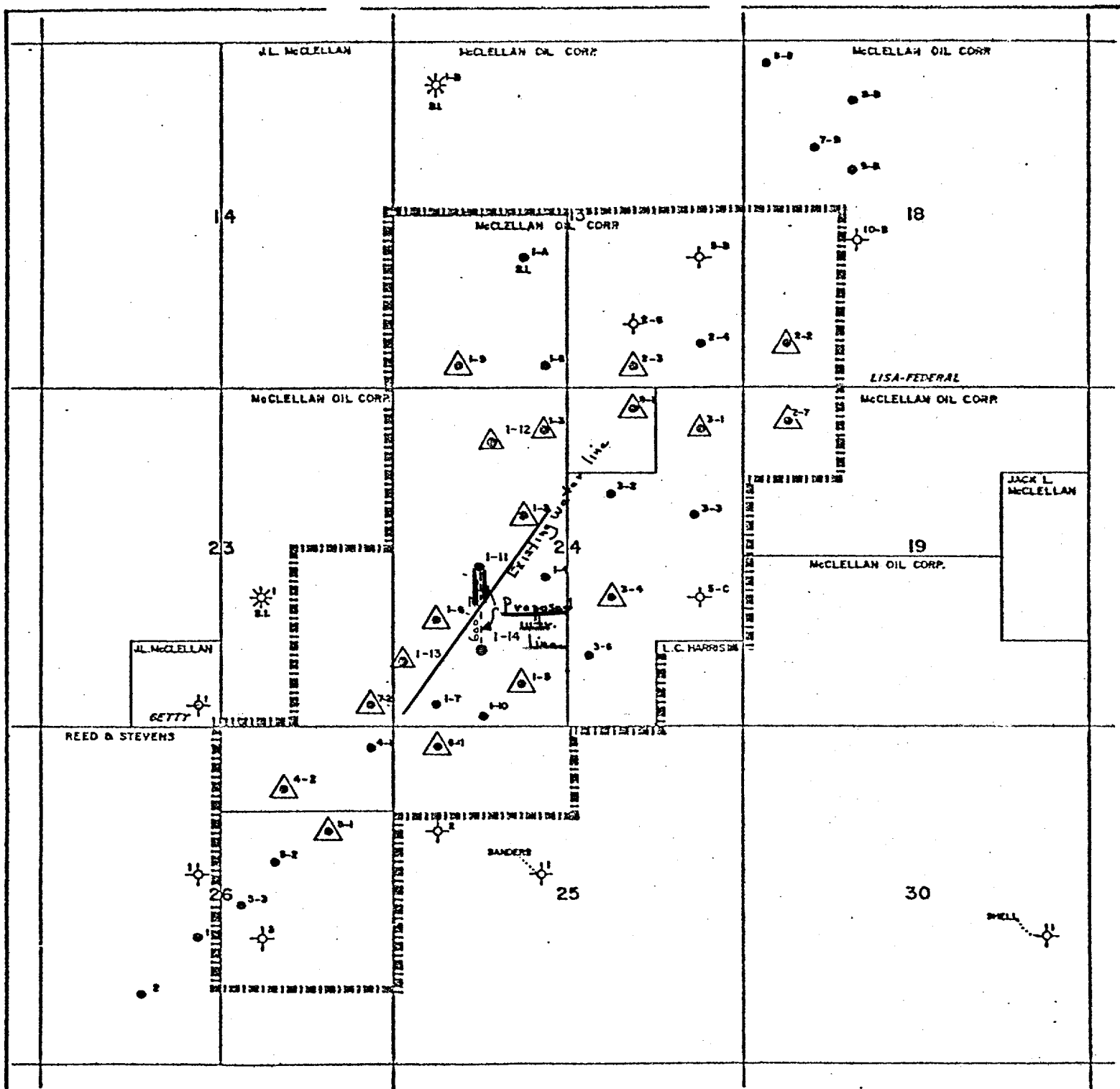
(This space for Federal or State office use)

APPROVED (Orig. Sgd.) PETER W. CHESTER

TITLE ACTING DISTRICT ENGINEER

DATE SEP 17 1980

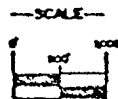
CONDITIONS OF APPROVAL, IF ANY:



- LEGEND —
- PRODUCING WELL
 - ⊗ PLUGGED AND ABANDONED
 - ⊙ DRY HOLE
 - ★ GAS WELL
 - SI 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



Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. LC-069280-A
2. NAME OF OPERATOR McClellan Oil Corporation ✓		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Drawer 730, Roswell, New Mexico 88201		7. UNIT AGREEMENT NAME Sulimar Queen Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1370 FWL & 2615 FSL		8. FARM OR LEASE NAME Tract 1
14. PERMIT NO.		9. WELL NO. Tract 1 11
15. ELEVATIONS (Show whether DF, RT, CR, etc.) 3959.8 GL		10. FIELD AND POOL, OR WILDCAT Sulimar Queen Unit
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24-T15S-R29E
		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 ☐
FRACTURE TREAT ☐	MULTIPLE COMPLETION ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐
REPAIR WELL ☐	CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐	REPAIRING WELL ☐
FRACTURE TREATMENT ☐	ALTERING CASING ☐
SHOOTING OR ACIDIZING ☐	ABANDONMENT* ☐
(Other) ☐	

(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 Unit Water Flood.
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 ACTING DISTRICT ENGINEER TITLE ACTING DISTRICT ENGINEER

DATE JUL 14 1980

CONDITIONS OF APPROVAL, IF ANY:



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 Plant) Sampling Date 8-22-79

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	Found
Hydroxide (OH-)	Not Found	Found
Sulphate (SO ₄ -)	45.55	2,188
Chloride (Cl-)	3948.00	140,000
Total Dissolved Solids		229,482
6.14 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)



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 Ca CO 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 68° F 1.000		

* mg/l = milligrams per liter

* me/l = milliequivalents per liter

CaCO₃ S.I. positive @ 86°F (0.86)

CaSO₄ S.I. negative (0.30)