



02391438

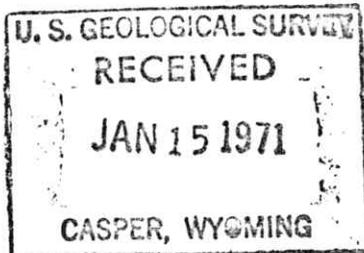
CHEVRON OIL COMPANY

WESTERN DIVISION

January 11, 1971

RECEIVED
FEB 17 1971

COLO. OIL & GAS CONS. COMM



Fac ID# 255973

PLAN OF OPERATIONS FOR 1971
REVIEW OF OPERATIONS FOR
1970 - WEBER SAND UNIT
Rangely Field, Colorado

United States Geological Survey
P. O. Box 400
Casper, Wyoming 82601

Attention: Mr. C. J. Curtis, Regional Oil & Gas Supervisor

Gentlemen:

In accordance with Section 9 of the Unit Agreement for the development and operation of the Rangely Weber Sand Unit, Chevron Oil Company, Western Division, Unit Operator, herewith submits for your approval the Plan of Operations for the unitized land for the year 1971. It is intended that this plan become effective January 1, 1971. This plan has been approved by the Working Interest Owners of the Unit.

④ Start REVIEW OF THE OPERATIONS FOR 1970

Water Injection

Five wells were converted to water injection.

An additional Oilwell triplex pump is being installed at the central pump station.

Water Gathering

All collection stations are tied into the produced water gathering system and all produced water is gathered and reinjected.

Large Volume Pumping

Eight long stroke pumping units were transferred to stimulated wells.

Eight submersible pumps were installed in stimulated wells. There are 67 submersible pumps in operation at the present time.

Workovers

Producing Wells

Fifty-one workovers were completed as follows:

- 23 Acid jobs
- 16 Oil squeezes
- 11 Cleanouts
- 1 Sand-oil frac

Water Injection Wells

Fifteen jobs were completed as follows:

- 5 Conversions to water injection
- 4 Cleanouts
- 2 Cleanout and deepen
- 2 Install packers
- 2 Repair tubing leaks

Drilling

The following 20 acre infill wells were drilled: Emerald 48-X, Carney 23-X-35, Levison 26-X, M. E. Larson 12-X-25, Fee 73-X, U.P. 71-X-31, J. E. Colthrop 7-X, Carney 24-X-35, Levison 27-X, M. E. Hefley 6-X, Emerald 49-X, Fee 74-X and Levison 28-X. Levison 29-X is being drilled at the present time.

PLAN OF OPERATIONS FOR 1971

Water Injection

It is planned to convert the diagonal row area to a five-spot pattern by converting the following wells to water injection: Fee 68-A, Fee 61, Fee 60, Fee 49, Sharples McLaughlin 1-28, Sharples McLaughlin 6-33, U.P. 49-27, U.P. 69-27, U.P. 25-34, Fee 9, S. W. McLaughlin 1, S. W. McLaughlin 6, Carney 11-4, Levison 6, Carney 7-35, Carney 2-34, Carney 1-34, F. V. Larson A-1, and Associated Larson Unit A-1. Also, some shut-in third row wells in the northwest area may be converted to water injection.

Water Gathering

All produced water is being gathered, it may be necessary to resize some of the lines to handle increased water production.

Gas Injection

There will be no gas injection.

Large Volume Pumping

Additional large volume pumps will be installed to realize maximum benefit from the water flood.

Workovers

Oil Producers

An active stimulative program will continue, this work will consist mainly of acidizing and scale control, oil squeezing and cleanout work.

Water Injectors

Work will continue on injection profile improvement to more evenly distribute the injected water. Packers will be installed in some of the low volume injection wells to protect the casing from corrosion.

Drilling

Fourteen additional 20 acre infill wells will be drilled during 1971. These wells will be drilled in the crestal area and in the eastern portion of the field.

Estimated Production 1971

January	27,300
February	27,500
March	27,700
April	27,800
May	27,900
June	28,000
July	28,300
August	28,700
September	29,400
October	30,400
November	30,800
December	31,800

Your early approval of the Plan of Operations for 1971 will be appreciated.

APPROVED JAN 26 1971

J. Carter
Regional Oil & Gas Supervisor
Geological Survey
Casper, Wyoming

APPROVED _____

COC:esm

cc: Mr. E. R. Haymaker
Dist. Engr. U.S. Geological Survey
6041 Fed. Bldg. & Court Hs.
Denver, Colorado 80202

Very truly yours,

CHEVRON OIL COMPANY
Western Division
Unit Operator

By *AW Deby*
Willis Baker

OIL AND GAS CONSERVATION COMMISSION
OF THE
STATE OF COLORADO
JOHN A. LOVE, GOVERNOR
ROOM 237, COLUMBINE BUILDING
1845 SHERMAN STREET
DENVER, COLORADO 80203

D. V. ROGERS
DIRECTOR

FRANK J. PIRO
DEPUTY DIRECTOR

March 5, 1971

Mr. Milton C. Hoffman
1414 Denver Club Building
Denver, Colorado 80202

Dear Mr. Hoffman:

The following is the Rangely Weber Sand Unit Operator's "Review of the Operations for 1970" and "Plan of Operations for 1971" approved by the United States Geological Survey on January 26, 1971.

REVIEW OF THE OPERATIONS FOR 1970

Water Injection

Five wells were converted to water injection.

An additional Oilwell triplex pump is being installed at the central pump station.

Water Gathering

All collection stations are tied into the produced water gathering system and all produced water is gathered and reinjected.

Large Volume Pumping

Eight long stroke pumping units were transferred to stimulated wells.

Right submersible pumps were installed in stimulated wells. There are 67 submersible pumps in operation at the present time.

Mr. Milton C. Hoffman
March 5, 1971
Page Two

Workovers

Producing Wells

Fifty-one workovers were completed as follows:

- 23 Acid jobs
- 16 Oil squeezes
- 11 Cleanouts
- 1 Sand-oil frac

Water Injection Wells

Fifteen jobs were completed as follows:

- 5 Conversions to water injection
- 4 Cleanouts
- 2 Cleanout and deepen
- 2 Install packers
- 2 Repair tubing leaks

Drilling

The following 20-acre infill wells were drilled: Emerald 48-X, Carney 23-X-35, Levison 26-X, M. B. Larson 12-X-25, Fee 73-X, U.P. 71-X-31, J. E. Coltahrp 7-X, Carney 24-X-35, Levison 27-X, M. E. Hefley 6-X, Emerald 49-X, Fee 74-X and Levison 28-X. Levison 29-X is being drilled at the present time.

PLAN OF OPERATIONS FOR 1971

Water Injection

It is planned to convert the diagonal row area to a five-spot pattern by converting the following wells to water injection: Fee 68-A, Fee 61, Fee 60, Fee 40, Sharples McLaughlin 1-28, Sharples McLaughlin 6-33, U.P. 49-27, U.P. 69-27, U.P. 25-34, Fee 9, S. W. McLaughlin 1, S. W. McLaughlin 6, Carney 11-4, Levison 6, Carney 7-35, Carney 2-34, Carney 1-34, F. V. Larson A-1, and Associated Larson Unit A-1. Also, some shut-in third row wells in the northwest area may be converted to water injection.

Mr. Milton C. Hoffman
March 5, 1971
Page Three

Water Gathering

All produced water is being gathered, it may be necessary to resize some of the lines to handle increased water production.

Gas Injection

There will be no gas injection.

Large Volume Pumping

Additional large volume pumps will be installed to realize maximum benefit from the water flood.

Workovers

Oil Producers

An active stimulative program will continue, this work will consist mainly of acidizing and scale control, oil squeezing and cleanout work.

Water Injectors

Work will continue on injection profile improvement to more evenly distribute the injected water. Packers will be installed in some of the low volume injection wells to protect the casing from corrosion.

Drilling

Fourteen additional 20-acre infill wells will be drilled during 1971. These wells will be drilled in the crestal area and in the eastern portion of the field.

Mr. Milton C. Hoffman
March 5, 1971
Page Four

Estimated Production 1971

January	27,300
February	27,500
March	27,700
April	27,800
May	27,900
June	28,000
July	28,300
August	28,700
September	29,400
October	30,400
November	30,800
December	31,800

Very truly yours,

OIL AND GAS CONSERVATION COMMISSION



Douglas V. Rogers, Director

JAM:sp

cc--Commissioners

Mr. Samuel R. Freeman

Mr. Harold J. Duncan

OIL AND GAS CONSERVATION COMMISSION
OF THE
STATE OF COLORADO
JOHN A. LOVE, GOVERNOR
ROOM 237, COLUMBINE BUILDING
1845 SHERMAN STREET
DENVER, COLORADO 80203

D. V. ROGERS
DIRECTOR
FRANK J. PIRO
DEPUTY DIRECTOR

March 5, 1971

Mr. Milton C. Hoffman
1414 Denver Club Building
Denver, Colorado 80202

Dear Mr. Hoffman:

The following is the Rangely Weber Sand Unit Operator's "Review of the Operations for 1970" and "Plan of Operations for 1971" approved by the United States Geological Survey on January 26, 1971.

REVIEW OF THE OPERATIONS FOR 1970

Water Injection

Five wells were converted to water injection.

An additional Oilwell triplex pump is being installed at the central pump station.

Water Gathering

All collection stations are tied into the produced water gathering system and all produced water is gathered and reinjected.

Large Volume Pumping

Eight long stroke pumping units were transferred to stimulated wells.

Right submersible pumps were installed in stimulated wells. There are 67 submersible pumps in operation at the present time.

Mr. Milton C. Hoffman
March 5, 1971
Page Two

Workovers

Producing Wells

Fifty-one workovers were completed as follows:

- 23 Acid jobs
- 16 Oil squeezes
- 11 Cleanouts
- 1 Sand-oil frac

Water Injection Wells

Fifteen jobs were completed as follows:

- 5 Conversions to water injection
- 4 Cleanouts
- 2 Cleanout and deepen
- 2 Install packers
- 2 Repair tubing leaks

Drilling

The following 20-acre infill wells were drilled: Emerald 48-X, Carney 23-X-35, Levison 26-X, M. B. Larson 12-X-25, Fee 73-X, U.P. 71-X-31, J. E. Coltharp 7-X, Carney 24-X-35, Levison 27-X, M. E. Hefley 6-X, Emerald 49-X, Fee 74-X and Levison 28-X. Levison 29-X is being drilled at the present time.

PLAN OF OPERATIONS FOR 1971

Water Injection

It is planned to convert the diagonal row area to a five-spot pattern by converting the following wells to water injection: Fee 68-A, Fee 61, Fee 60, Fee 40, Sharples McLaughlin 1-28, Sharples McLaughlin 6-33, U.P. 49-27, U.P. 69-27, U.P. 25-34, Fee 9, S. W. McLaughlin 1, S. W. McLaughlin 6, Carney 11-4, Levison 6, Carney 7-35, Carney 2-34, Carney 1-34, F. V. Larson A-1, and Associated Larson Unit A-1. Also, some shut-in third row wells in the northwest area may be converted to water injection.

Mr. Milton C. Hoffman
March 5, 1971
Page Three

Water Gathering

All produced water is being gathered, it may be necessary to resize some of the lines to handle increased water production.

Gas Injection

There will be no gas injection.

Large Volume Pumping

Additional large volume pumps will be installed to realize maximum benefit from the water flood.

Workovers

Oil Producers

An active stimulative program will continue, this work will consist mainly of acidizing and scale control, oil squeezing and cleanout work.

Water Injectors

Work will continue on injection profile improvement to more evenly distribute the injected water. Packers will be installed in some of the low volume injection wells to protect the casing from corrosion.

Drilling

Fourteen additional 20-acre infill wells will be drilled during 1971. These wells will be drilled in the crestal area and in the eastern portion of the field.

Mr. Milton C. Hoffman
March 5, 1971
Page Four

Estimated Production 1971

January	27,300
February	27,500
March	27,700
April	27,800
May	27,900
June	28,000
July	28,300
August	28,700
September	29,400
October	30,400
November	30,800
December	31,800

Very truly yours,

OIL AND GAS CONSERVATION COMMISSION



Douglas V. Rogers, Director

JAM:sp

cc--Commissioners

Mr. Samuel R. Freeman

Mr. Harold J. Duncan

OIL AND GAS CONSERVATION COMMISSION
OF THE
STATE OF COLORADO
JOHN A. LOVE, GOVERNOR
ROOM 237, COLUMBINE BUILDING
1845 SHERMAN STREET
DENVER, COLORADO 80203

D. V. ROGERS
DIRECTOR

FRANK J. PIRO
DEPUTY DIRECTOR

March 5, 1971

Mr. Milton C. Hoffman
1414 Denver Club Building
Denver, Colorado 80202

Dear Mr. Hoffman:

The following is the Rangely Weber Sand Unit Operator's "Review of the Operations for 1970" and "Plan of Operations for 1971" approved by the United States Geological Survey on January 26, 1971.

REVIEW OF THE OPERATIONS FOR 1970

Water Injection

Five wells were converted to water injection.

An additional Oilwell triplex pump is being installed at the central pump station.

Water Gathering

All collection stations are tied into the produced water gathering system and all produced water is gathered and reinjected.

Large Volume Pumping

Eight long stroke pumping units were transferred to stimulated wells.

Right submersible pumps were installed in stimulated wells. There are 67 submersible pumps in operation at the present time.

Mr. Milton C. Hoffman
March 5, 1971
Page Two

Workovers

Producing Wells

Fifty-one workovers were completed as follows:

- 23 Acid jobs
- 16 Oil squeezes
- 11 Cleanouts
- 1 Sand-oil frac

Water Injection Wells

Fifteen jobs were completed as follows:

- 5 Conversions to water injection
- 4 Cleanouts
- 2 Cleanout and deepen
- 2 Install packers
- 2 Repair tubing leaks

Drilling

The following 20-acre infill wells were drilled: Emerald 48-X, Carney 23-X-35, Levison 26-X, M. B. Larson 12-X-25, Fee 73-X, U. P. 71-X-31, J. E. Coltahrp 7-X, Carney 24-X-35, Levison 27-X, M. E. Hefley 6-X, Emerald 49-X, Fee 74-X and Levison 28-X. Levison 29-X is being drilled at the present time.

PLAN OF OPERATIONS FOR 1971

Water Injection

It is planned to convert the diagonal row area to a five-spot pattern by converting the following wells to water injection: Fee 68-A, Fee 61, Fee 60, Fee 40, Sharples McLaughlin 1-28, Sharples McLaughlin 6-33, U. P. 49-27, U. P. 69-27, U. P. 25-34, Fee 9, S. W. McLaughlin 1, S. W. McLaughlin 6, Carney 11-4, Levison 6, Carney 7-35, Carney 2-34, Carney 1-34, F. V. Larson A-1, and Associated Larson Unit A-1. Also, some shut-in third row wells in the northwest area may be converted to water injection.

Mr. Milton C. Hoffman
March 5, 1971
Page Three

Water Gathering

All produced water is being gathered, it may be necessary to resize some of the lines to handle increased water production.

Gas Injection

There will be no gas injection.

Large Volume Pumping

Additional large volume pumps will be installed to realize maximum benefit from the water flood.

Workovers

Oil Producers

An active stimulative program will continue, this work will consist mainly of acidizing and scale control, oil squeezing and cleanout work.

Water Injectors

Work will continue on injection profile improvement to more evenly distribute the injected water. Packers will be installed in some of the low volume injection wells to protect the casing from corrosion.

Drilling

Fourteen additional 20-acre infill wells will be drilled during 1971. These wells will be drilled in the crestal area and in the eastern portion of the field.

Mr. Milton C. Hoffman
March 5, 1971
Page Four

Estimated Production 1971

January	27,300
February	27,500
March	27,700
April	27,800
May	27,900
June	28,000
July	28,300
August	28,700
September	29,400
October	30,400
November	30,800
December	31,800

Very truly yours,

OIL AND GAS CONSERVATION COMMISSION



Douglas V. Rogers, Director

JAM:sp

cc--Commissioners

Mr. Samuel R. Freeman

Mr. Harold J. Duncan



Chevron Oil Company
Western Division
Rangely, Colorado 81648

W. A. Goudeau
Unit Superintendent

REVIEW OF OPERATIONS FOR 1971
PLAN OF OPERATIONS FOR 1972
WEBER SAND UNIT
RANGELY FIELD, COLORADO

Regional Oil & Gas Supervisor
U. S. Geological Survey
P. O. Box 2859
Casper, Wyoming 82601

RECEIVED

AUG 17 1972

COLO. OIL & GAS CONS. COMM.

Gentlemen:

In accordance with Sec. 9 of the Unit Agreement for the development and operation of the Rangely Weber Sand Unit, Chevron Oil Company, Western Division Unit Operator submits for your approval the Plan of Operation for the Unitized Lands for 1972 to be effective January 1, 1972.

Review of the Operations for 1971

Water Injection

No wells were converted to water injection.

Water Gathering

All collection stations are tied into the produced water gathering system and all produced water is gathered and reinjected.

Large Volume Pumping

Eleven long stroke pumping units were transferred to stimulated wells.

Fifteen submersible pumps were installed in stimulated wells. There were 74 submersible pumps in operation at the end of the year.

Workovers

Producing Wells

Sixty-two workovers were completed as follows:

- 23 Oil squeezes
- 19 Acid-oil squeezes
- 10 Cleanouts
- 4 Acid squeezes
- 3 Sand-oil frac
- 3 Water shut-off Jobs

Water Injection Wells

Fifteen jobs were completed as follows:

- 8 Packers installed
- 6 Cleanouts
- 1 Temporary abandon

Drilling

The following 20 acre infill wells were drilled: Levison 29X was completed. Fee 75X, Emerald 50X, Emerald 51X, Fee 76X, J. E. Coltharp 8X, Levison 30X, Levison 31X, Fee 77X, U. P. 72X-31, Emerald 52X, and Emerald 53X, U. P. 73X-29 was being drilled at the end of the year. 13

Plan of Operations for 1972

Water Injection

It is planned to convert the following wells to water injection: Fee 67, Gray B-4, A. C. Mc Laughlin 32, A. C. Mc Laughlin 13, Matter 1, Magor 1, A. C. Mc Laughlin 7, A. C. Mc Laughlin 46, A. C. Mc Laughlin 31, M. C. Hagood A-3, M. B. Larson B-1, A. C. Mc Laughlin 23 and Emerald 12. These are third row wells presently shut-in or will shortly be shut-in because of high water cut.

The Water Injection Treating Plant and Pump Station is scheduled for a major expansion this year.

Water Gathering

Although all produced water is being gathered, it may be necessary to resize some of the lines to handle increased water production.

Gas Injection

There will be some gas injection into a Water - Alternating - Gas injection pilot project.

Large Volume Pumping

Additional large volume pumps will be installed to realize maximum benefit from the water flood.

Workovers

Oil Producers

An active stimulative program will continue. This work will consist mainly of acidizing and scale control, oil squeezing and cleanout work.

Water Injectors

Work will continue on injection profiles to more evenly distribute the injected water. Packers will be installed in some of the low volume injection wells to protect the casing from corrosion.

Drilling

Fourteen additional 20 acre infill wells will be drilled during 1972. These wells will be drilled in the crestal area and in the eastern portion of the field.

I. First Seven Well Program

Emerald 54X - Location: 2486' E of W line and 1168' S of N line, Sec 31, T2N, R102W, 6th P.M., Rio Blanco County, Colorado

Union Pacific 77X-32 - Location: 2639' E of W line and 1279' S of N line, Sec 32, T2N, R102W, 6th P.M., Rio Blanco County, Colorado.

Union Pacific B 3X-34 - Location: 1417' N of S line and 10' E of W line, Sec 34, T2N, R102W, 6th P.M., Rio Blanco County, Colorado

Union Pacific 76X-21 - Location: 1333' W of E line and 94' N of S line, Sec 21, T2N, R102W, 6th P.M., Rio Blanco County, Colorado

Fee 78X - Location: 1372' S of N line and 2582' W of E line, Sec 28, T2N, R102W, 6th P.M., Rio Blanco County, Colorado

W. H. Coltharp 6X - Location: 2025' E of W line and 305' S of N line, Sec 2, T1N, R102W, 6th P.M., Rio Blanco County, Colorado

Gentry 6X - Location: 1850' S of N line and 595' W of E line, Sec 3, T1N, R102W, 6th P.M., Rio Blanco County, Colorado

II. Second Seven Well Program.

Emerald 55X - Location: 1217' E of W line and 1373' S of N line, Sec 31, T2N, R102W, 6th P.M., Rio Blanco County, Colorado

Fee 79X - Location: 95' W of E line and 1313' N of S line, Sec 29, T2N, R102W, 6th P.M., Rio Blanco County, Colorado

Union Pacific 78X-21 - Location: 1355' W of E line and 1317' N of S line, Sec 21, T2N, R102W, 6th P.M., Rio Blanco County, Colorado

Levison 32X - Location: 1253' W of E line and 1301' N of S line, Sec 27, T2N, R102W, 6th P.M., Rio Blanco County, Colorado

Carney 26X-35 - Location: 1328' E of W line and 6' S of N line, Sec. 35, T2N, R102W, 6th P.M., Rio Blanco County, Colorado

Levison 33X - Location: 1362' W of E line and 1310' S of N line, Sec 26, T2N, R102W, 6th P.M., Rio Blanco County, Colorado

Union Pacific 79X-32 - Location: 1376' W of E line and 1297' N of S line, Sec 32, T2N, R102W, 6th P.M., Rio Blanco County, Colorado

Estimated Production 1972

January	27,789
February	28,500
March	29,000
April	29,500
May	30,000
June	30,500
July	31,000
August	31,500
September	32,000
October	32,500
November	33,000
December	33,500

Your early approval of the Plan of Operations for 1972 will be appreciated.

Very truly yours,

CHEVRON OIL COMPANY
Western Division
Unit Operator

By 
W. A. Goudeau, Unit Supt.

CC: Mr. J.V. Finnegan
Dist. Engr. U. S. Geological Survey
6041 Federal Bldg. & Court House
Denver, Colorado 80202

Approved _____