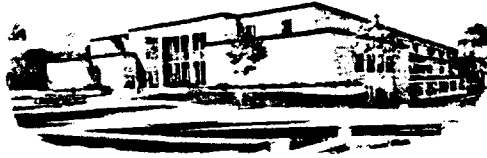


State of New Mexico

#2672



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

October 3, 1990

Mr. Victor Sirgo
Sirgo Operating Inc.,
P.O. Box 3531
Midland, TX 79702

Re: West Dollarhide Queen Sand Unit
Lea County, New Mexico
1990 Plan of Development

Dear Mr. Sirgo:

The Commissioner of Public Lands this date approved the 1990 Plan of Development for the West Dollarhide Queen Sand Unit. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the Unit Area and the need for further development may exist. You will be contacted at a later date regarding these possibilities.

If we may be of further help, please do not hesitate to contact Clyde Langdale at (505) 827-5791.

Sincerely,

W. R. HUMPHRIES

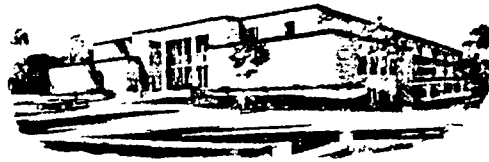
BY: *Floyd O. Prando*
Floyd O. Prando, Director
Oil, Gas & Minerals Division

cc: OCD
Unit Corresp.
Unit POD

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

SLO REF NO. OG-1054

March 27, 1989

Sirgo Operating, Inc.
Attn: Victor J. Sirgo
P.O. Box 3531
Midland, Texas 79702

#2672

Re: 1989 Plan of Development
West Dollarhide Queen Sand Unit
Lea County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Plan of Development.

Our approval is subject to like approval by all other appropriate agencies.

Enclosed is an approved copy for your files.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

cc: OCD
BLM

#2672

Sirgo Operating, Inc.

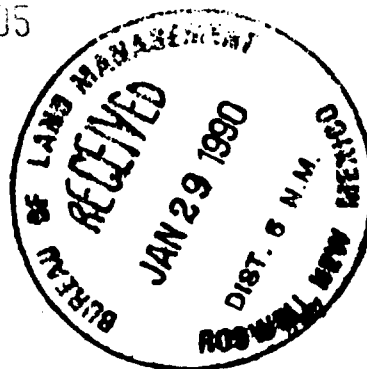
P. O. Box 3531, Midland, Texas 79702 (915) 685-0878

'90 APR 5 AM 9 05

January 26, 1990

Bureau of Land Management
P.O. Box 1397
Roswell, New Mexico 88220

Attention: Mr. Joe G. Lara



Re: West Dollarhide Queen Sand Unit
Plan of Development 1990

Mr. Lara:

Please find attached the following exhibits:

1. Summary of 1989 unit activity.
2. Summary of anticipated unit activity for 1990.
3. List of wells indicating current status.
4. Monthly production curves for the unit since inception.
5. Current Exhibits A (tract breakdown of owners) and B (current map of participation acreage) to the unit agreement.

If you have any questions concerning the attached information, please contact me at 915/685-0878.

Sincerely,

Victor J. Sirgo
Victor J. Sirgo

VJS:ba

attachments

Plan of Development
RECEIVED
APR 03 1990
Joe G. Lara
Asst. District Engineer
BUREAU OF LAND MANAGEMENT

West Dollarhide Queen Sand Unit
Summary of Unit Activity for 1989:

During 1989 the following 6 wells were drilled for injection:

130, 132, 135, 137, 148, 151

During 1989 the following 5 wells were deepened for injections

1, 6, 12, 21, 37

During 1989 the following 3 injection wells were recompleted:

46, 109, 113 (note these wells had been SI in 88)

During 1989 the following 11 producing wells had additional
pay perf'd:

71, 72, 77, 79, 82, 106, 114, 115, 119, 120, 122

During 1989 the following 6 injection wells were stimulated:

9, 14, 25, 35, 36, 47

West Dollarhide Queen Sand Unit
Summary of Planned Activity for 1990

Drill the following 16 wells for injection:

108, 110, 126, 129, 131, 133, 136, 138, 139, 140, 142, 143, 152, 153, 155

Install submersible pumps on the the following 6 producing
wells:

114, 116, 117, 119, 120, 122

Install a rod pump on the following producing well:

134

West Dollarhide Queen Unit

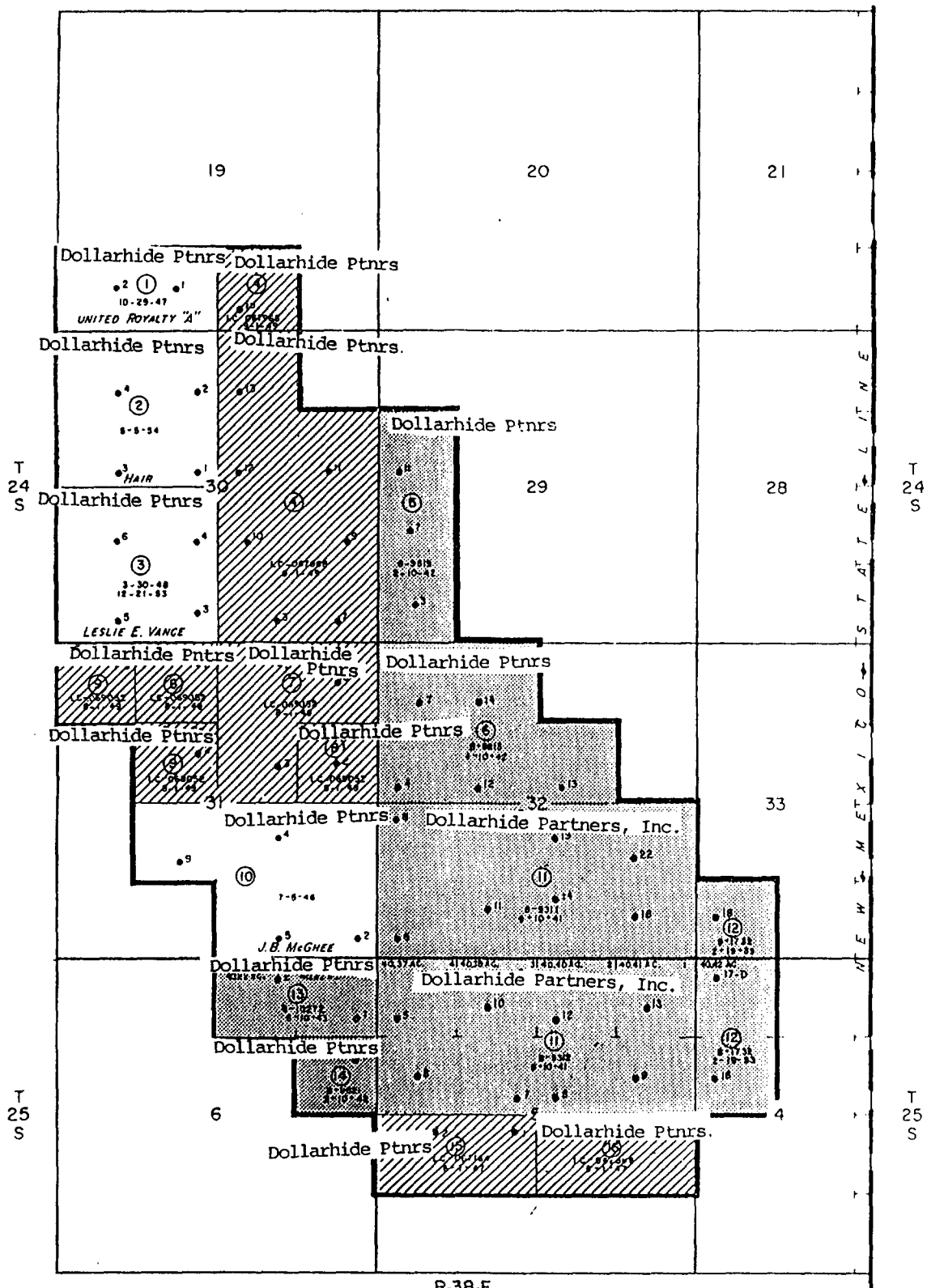
Well	Type	Status	Unit	Well	Pool	Formation
1	Injector	Active	Yes	West	Dollarhide	Queen
2	Producer	P&A	Yes	West	Dollarhide	Queen
3	Producer	P&A	Yes	West	Dollarhide	Queen
4	Producer	P&A	Yes	West	Dollarhide	Queen
5	Producer	P&A	Yes	West	Dollarhide	Queen
6	Injector	Shut In	Yes	West	Dollarhide	Queen
7	Injector	Temp Aban	Yes	West	Dollarhide	Queen
8	Injector	Active	Yes	West	Dollarhide	Queen
9	Injector	Active	Yes	West	Dollarhide	Queen
10	Injector	P&A	Yes	West	Dollarhide	Queen
11	Producer	P&A	Yes	West	Dollarhide	Queen
12	Injector	Active	Yes	West	Dollarhide	Queen
13	Injector	Active	Yes	West	Dollarhide	Queen
14	Injector	Active	Yes	West	Dollarhide	Queen
15	Injector	Temp Aban	Yes	West	Dollarhide	Queen
16	Producer	P&A	Yes	West	Dollarhide	Queen
17	Producer	P&A	Yes	West	Dollarhide	Queen
18	Injector	Active	Yes	West	Dollarhide	Queen
19	Injector	Temp Aban	Yes	West	Dollarhide	Queen
20	Injector	Shut In	Yes	West	Dollarhide	Queen
21	Injector	Active	Yes	West	Dollarhide	Queen
22	Injector	Temp Aban	Yes	West	Dollarhide	Queen
23	Producer	P&A	Yes	West	Dollarhide	Queen
24	Injector	Active	Yes	West	Dollarhide	Queen
25	Injector	Active	Yes	West	Dollarhide	Queen
26	Producer	P&A	Yes	West	Dollarhide	Queen
27	Injector	Temp Aban	Yes	West	Dollarhide	Queen
28	Producer	P&A	Yes	West	Dollarhide	Queen
29	Producer	P&A	Yes	West	Dollarhide	Queen
30	Injector	Temp Aban	Yes	West	Dollarhide	Queen
31	Producer	P&A	Yes	West	Dollarhide	Queen
32	Injector	Temp Aban	Yes	West	Dollarhide	Queen
33	Injector	Active	Yes	West	Dollarhide	Queen
34	Injector	Temp Aban	Yes	West	Dollarhide	Queen
35	Injector	Active	Yes	West	Dollarhide	Queen
36	Injector	Active	Yes	West	Dollarhide	Queen
37	Injector	Active	Yes	West	Dollarhide	Queen
38	Injector	Temp Aban	Yes	West	Dollarhide	Queen
39	Producer	P&A	Yes	West	Dollarhide	Queen
40	Producer	P&A	Yes	West	Dollarhide	Queen
41	Producer	P&A	Yes	West	Dollarhide	Queen
42	Producer	P&A	Yes	West	Dollarhide	Queen
43	Producer	P&A	Yes	West	Dollarhide	Queen
44	Producer	P&A	Yes	West	Dollarhide	Queen
45	Producer	P&A	Yes	West	Dollarhide	Queen
46	Injector	Active	Yes	West	Dollarhide	Queen
47	Injector	Active	Yes	West	Dollarhide	Queen
48	Producer	P&A	Yes	West	Dollarhide	Queen
49	Producer	P&A	Yes	West	Dollarhide	Queen
50	Producer	P&A	Yes	West	Dollarhide	Queen
51	Producer	P&A	Yes	West	Dollarhide	Queen
52	Producer	P&A	Yes	West	Dollarhide	Queen
53	Producer	P&A	Yes	West	Dollarhide	Queen
54	Producer	P&A	Yes	West	Dollarhide	Queen
55	Producer	P&A	Yes	West	Dollarhide	Queen
56	Producer	P&A	Yes	West	Dollarhide	Queen

West Dollarhide Queen Unit

Well	Type	Status	Unit	Well	Pool	Formation
57	Producer	P&A	Yes	West	Dollarhide	Queen
58	Producer	P&A	Yes	West	Dollarhide	Queen
59	Producer	P&A	Yes	West	Dollarhide	Queen
60	Producer	P&A	Yes	West	Dollarhide	Queen
61	Injector	Temp Aban	Yes	West	Dollarhide	Queen
62	Injector	Temp Aban	Yes	West	Dollarhide	Queen
63	Producer	P&A	Yes	West	Dollarhide	Queen
64	Injector	Temp Aban	Yes	West	Dollarhide	Queen
65	WSW	Temp Aban	Yes	West	Dollarhide	Queen
66	WSW	Active	Yes	West	Dollarhide	Queen
67	WSW	Temp Aban	Yes	West	Dollarhide	Queen
68	WSW	Temp Aban	Yes	West	Dollarhide	Queen
69	WSW	Temp Aban	Yes	West	Dollarhide	Queen
70	Producer	Active	Yes	West	Dollarhide	Queen
71	Producer	Active	Yes	West	Dollarhide	Queen
72	Producer	Active	Yes	West	Dollarhide	Queen
73	Producer	Active	Yes	West	Dollarhide	Queen
74	Producer	Active	Yes	West	Dollarhide	Queen
75	Producer	Active	Yes	West	Dollarhide	Queen
76	Producer	Shut In	Yes	West	Dollarhide	Queen
77	Producer	Active	Yes	West	Dollarhide	Queen
78	Producer	Shut In	Yes	West	Dollarhide	Queen
79	Producer	Active	Yes	West	Dollarhide	Queen
80	Producer	Active	Yes	West	Dollarhide	Queen
81	Producer	Active	Yes	West	Dollarhide	Queen
82	Producer	Active	Yes	West	Dollarhide	Queen
83	Producer	Shut In	Yes	West	Dollarhide	Queen
84	Producer	Shut In	Yes	West	Dollarhide	Queen
85	Producer	Shut In	Yes	West	Dollarhide	Queen
86	Producer	Active	Yes	West	Dollarhide	Queen
87	Producer	Active	Yes	West	Dollarhide	Queen
88	Producer	Active	Yes	West	Dollarhide	Queen
89	Producer	Active	Yes	West	Dollarhide	Queen
90	Producer	Active	Yes	West	Dollarhide	Queen
91	Producer	Active	Yes	West	Dollarhide	Queen
92	Producer	Active	Yes	West	Dollarhide	Queen
93	Producer	Active	Yes	West	Dollarhide	Queen
94	Producer	Active	Yes	West	Dollarhide	Queen
95	Producer	Shut In	Yes	West	Dollarhide	Queen
96	Producer	Active	Yes	West	Dollarhide	Queen
97	Producer	Shut In	Yes	West	Dollarhide	Queen
98	Producer	Shut In	Yes	West	Dollarhide	Queen
99	Producer	Active	Yes	West	Dollarhide	Queen
100	Producer	Active	Yes	West	Dollarhide	Queen
101	Producer	Active	Yes	West	Dollarhide	Queen
102	Producer	Active	Yes	West	Dollarhide	Queen
103	Producer	Active	Yes	West	Dollarhide	Queen
104	Producer	Active	Yes	West	Dollarhide	Queen
105	Producer	Active	Yes	West	Dollarhide	Queen
106	Producer	Active	Yes	West	Dollarhide	Queen
107	Producer	Active	Yes	West	Dollarhide	Queen
109	Injector	Active	Yes	West	Dollarhide	Queen
111	Injector	Shut In	Yes	West	Dollarhide	Queen
112	Injector	P&A	Yes	West	Dollarhide	Queen
113	Injector	Active	Yes	West	Dollarhide	Queen
114	Producer	Shut In	Yes	West	Dollarhide	Queen


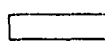



West Dollarhide Queen Unit

Well	Type	Status	Unit	Well	Pool	Formation
115	Producer	Active	Yes	West	Dollarhide	Queen
116	Producer	Shut In	Yes	West	Dollarhide	Queen
117	Producer	Active	Yes	West	Dollarhide	Queen
118	Producer	Active	Yes	West	Dollarhide	Queen
119	Producer	Active	Yes	West	Dollarhide	Queen
120	Producer	Active	Yes	West	Dollarhide	Queen
121	Producer	Active	Yes	West	Dollarhide	Queen
122	Producer	Shut In	Yes	West	Dollarhide	Queen
123	Producer	Active	Yes	West	Dollarhide	Queen
124	Producer	Shut In	Yes	West	Dollarhide	Queen
125	Producer	Active	Yes	West	Dollarhide	Queen
130	Injector	Active	Yes	West	Dollarhide	Queen
132	Injector	Active	Yes	West	Dollarhide	Queen
134	Producer	Shut In	Yes	West	Dollarhide	Queen
135	Injector	Active	Yes	West	Dollarhide	Queen
137	Injector	Active	Yes	West	Dollarhide	Queen
148	Injector	Active	Yes	West	Dollarhide	Queen
149	Producer	Active	Yes	West	Dollarhide	Queen
150	Producer	Active	Yes	West	Dollarhide	Queen
151	Injector	Active	Yes	West	Dollarhide	Queen

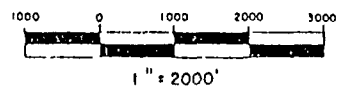


WEST DOLLARHIDE QUEEN SAND UNIT
LEA COUNTY NEW MEXICO
EXHIBIT "A"

LEGEND

-  UNIT AREA
-  FEE LANDS
-  FEDERAL LANDS
-  STATE LANDS
-  TRACT NO.

SCALE

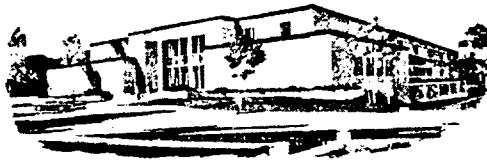


State of New Mexico

2672



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

SLO REF NO OG-725

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

March 24, 1988

Sirgo-Collier, Inc.
Attn: Mr. Victor J. Sirgo
P. O. Box 3531
Midland, Texas 79702

Re: 1988 Plan of Development
W. Dollarhide Queen Sand Ut.
Lea County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved your 1988 Plan of Development for the above captioned unit area.

Our approval is subject to like approval by all other appropriate agencies.

Enclosed is an approved copy for your files.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

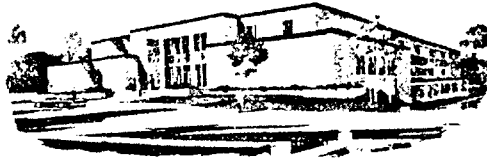
BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

WRH/FOP/pm
encs.
cc: OCD
BLM

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

SLO REF NO. OG-625

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

December 7, 1987

Sirgo-Collier, Inc.
ATTENTION: Ms. Amy L. Whitley
P. O. Box 3531
Midland, Texas 79702

Re: West Dollarhide Queen Sand Unit
1987 Plan of Development
Lea County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved your 1987 Plan of Development for the West Dollarhide Queen Sand Unit Area, Lea County, New Mexico. Such plan calls for a re-development of the waterflood to be conducted in five phases.

Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-3744

WRH/FOP pm
encls.

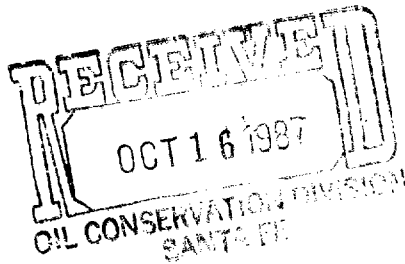
cc: OCD-Santa Fe, New Mexico
BLM-Roswell, New Mexico



Sirgo-Collier, Inc.

P. O. Box 3531, Midland, Texas 79702 (915) 685-0878

October 13, 1987



District Supervisor
Bureau of Land Management
Roswell District Office
P. O. Box 1397
Roswell, New Mexico 88201

Commission of Public Lands
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Re: WEST DOLLARHIDE QUEEN SAND UNIT
WATERFLOOD RE-DEVELOPMENT PROJECT
LEA COUNTY, NEW MEXICO

Gentlemen:

In accordance with Section 11 of the Unit Agreement for the development and operations of the West Dollarhide Queen Sand Unit, Lea County, New Mexico, Sirgo-Collier, Inc. respectfully submits for your approval, a report of past operations and a plan of development and operation for the year 1987.

PAST OPERATIONS

The West Dollarhide Queen Sand Unit became effective January 1, 1963 and a pilot waterflood was started. The first waterflood expansion began in January 1964. Initial oil response was experienced in mid-1964. During this period, 37 producers and 27 injectors were active. Oil production gradually decreased by the end of 1971. Due to water breakthrough, low response in the southern portion of the Unit, and operational difficulties (cavings, scale, "thieving" and corrosion), 35 wells were dropped during this period, and a significant decline in oil rate was experienced thereafter. Sirgo-Collier, Inc. assumed operations of the West Dollarhide Queen Sand Unit effective April 1, 1987 and production at that time was approximately 33 BOPD and 254 BWP. All produced water was being injected into the Queen formation. Fifteen wells were shut-in and 42 were plugged and abandoned.

Cumulative production as of October 1, 1986 had been 4,467 MBBL oil, 3,286 MMCF gas and 8,254 MBBL produced water. Cumulative water injection as of October 1, 1986 had been 30,798 MBBL.

DEVELOPMENT PLAN 1987

Plans for 1987 are for re-development of the waterflood. The development plan contains five elements: (1) Infill drill to 20-acre spacing; (2) Modify injection pattern to 40-acre 5-spot; (3) Open behind pipe and deeper pay; (4) Optimize injection rates; (5) Improve sweep efficiency by profile control. This plan will be conducted in five phases.

Phase I & II of the injection well workovers are expected to be completed by the end of the year. These phases include deepening and conversions of two current producers, re-entry of a former, now plugged, injector, and deepening of an existing injector. New 4-1/2" casing will be run to TD in all wells and cemented to surface. Cement Bond Logs will be run and the Queen zone will be selectively perforated. Five temporarily abandoned injectors have also been put back on injection status since August 1987. All produced water is being injected back into the Queen formation through these wells.

We also expect to conclude Phase I, II & III of our planned drilling program by the end of 1987. Since May 1987, we have drilled and completed 17 new producing wells and expect to drill and complete approximately 12 more wells by December 31, 1987.

Sincerely,

Amy L. Whitley

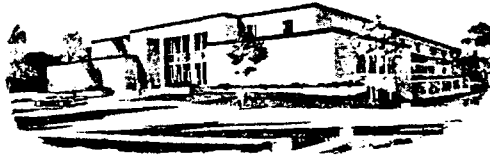
Amy L. Whitley

ALW:aw

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

June 9, 1987

SLO REF NO. OG-189

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

Hinkle, Cox, Eaton, Coffield & Hensley
ATTENTION: Mr. Allen G. Harvey
P. O. Box 3580
Midland, Texas 79702

Re: West Dollarhide Queen Sand Unit
Designation of Successor Operator
Lea County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved Sirgo-Collier Inc. as the successor unit operator for the West Dollarhide Queen Sand Unit, Lea County, New Mexico.

Enclosed is an approved copy for your files.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY: *F. Coyote Vela*

FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

cc: OCD-Santa Fe, New Mexico
BLM-Roswell, New Mexico Attn: Mr. Armando Lopez

DESIGNATION OF SUCCESSOR UNIT OPERATOR
WEST DOLLARHIDE QUEEN SAND UNIT
COUNTY OF LEA, STATE OF NEW MEXICO
NO. 14-08-00018491

This Indenture, dated as of the 9th day of April, 1987, is by and between Sirgo - Collier, Inc., hereinafter designated as "First Party", and the owner of unitized working interests, hereinafter designated as "Second Party".

NOTICE IS TAKEN OF THE FOLLOWING FACTS:

1. Under the provisions of the Act of February 25, 1920, 41 Stat. 437, 30 U.S.C. Sec. 181, et seq., as amended by the Act of August 8, 1946, 60 Stat. 950, the Secretary of the Interior, on the 28th day of December, 1962 approved the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, wherein Skelly Oil Company was designated as Unit Operator.

2. Under the provisions of Sections 7-11-39, 7-11-40, 7-11-41, 7-11-47, and 7-11-48, N.M.S.A 1953, the Commissioner of Public Lands, State of New Mexico on the 18th day of December, 1962 approved the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit wherein Skelly Oil Company was designated as Unit Operator.

3. Through mergers and acquisitions, the Unit Operator is currently Texaco Producing Inc.

4. Texaco Producing Inc. has resigned as such Operator and the designation of a successor unit operator is now required pursuant to the terms of the Unit Agreement.

5. First Party has been and hereby is designated by Second Parties as Unit Operator, and said First Party desires to assume all of the rights, duties and obligations of Unit Operator under the said Unit Agreement.

NOW THEREFORE, in consideration of the premises hereinbefore set forth and the promises hereinafter stated, the First Party hereby covenants and agrees to fulfill the duties and assume the obligations of Unit Operator under and pursuant to all of the terms of the West Dollarhide Queen Sand Unit Agreement, and the Second Parties covenant and agree that, effective upon approval of this indenture by the authorized officer of the Bureau of Land Management and the Commissioner of Public Lands, State of New Mexico, First Party shall be granted the exclusive right and privilege of exercising any and all rights and privileges as Unit Operator, pursuant to the terms and conditions of said Unit Agreement; said Unit Agreement being hereby incorporated herein by reference and made a part hereof as fully and effectively as though said Unit Agreement were expressly set forth in this instrument.

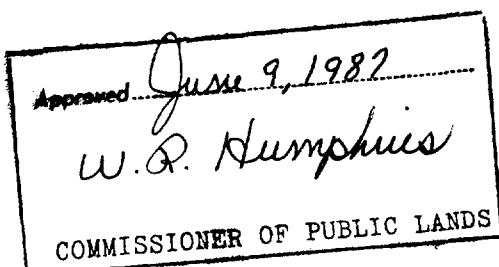
IN WITNESS WHEREOF, the parties hereto have executed this instrument as of the date hereinabove set forth.

FIRST PARTY:

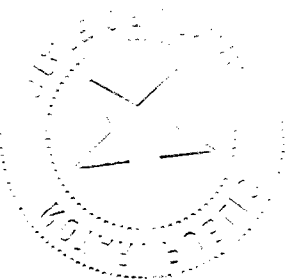
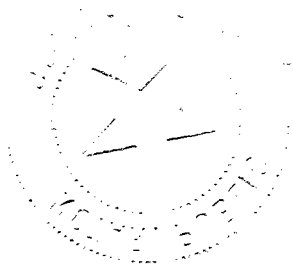
Sirgo - Collier, Inc.
Post Office Box 3531
Midland, Texas 79702

By:

Name: M.A. Sirgo
Title: PRESIDENT



RECEIVED
APR 30 10 42 AM '87
STATE LAND OFFICE
SANTA FE, N.M.



SECOND PARTIES:

DOLLARHIDE PARTNERS, INC.
Post Office Box 3531
Midland, Texas 79702

By: Timothy D. Collier
Name: Timothy D. COLLIER
Title: President

STATE OF TEXAS)
)
COUNTY OF MIDLAND)

This instrument was acknowledged before me on this the 9th
day of April, 1987 by M. A. Sirgo III,
Vice President of Sirgo - Collier, Inc., a Texas corporation, on
behalf of said corporation.

My Commission Expires:
2/25/89

Jersea Muscovally
Notary Public

STATE OF TEXAS)
)
COUNTY OF MIDLAND)

This instrument was acknowledged before me on this the 9th
day of April, 1987 by Timothy D. Collier,
President of Dollarhide Partners, Inc., a Texas corporation,
on behalf of said corporation.

My Commission Expires:
2/25/89

Jersea Muscovally
Notary Public

I hereby approve the foregoing indenture designating Sirgo -
Collier, Inc. as Unit Operator under the Unit Agreement for the
West Dollarhide Queen Sand Unit Area, this _____ day of
_____, 1987.

Frances R. Cherry, Jr.
District Manager
Bureau of Land Management

W. R. Humphries
Commissioner of Public Lands
State of New Mexico

RECEIVED
APR 30 10 42 AM '87
STATE LAND OFFICE
SANTA FE, N.M.

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER

Commissioner of Public Lands

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

March 11, 1987

Texaco USA
ATTENTION: Mr. Joe E. King
P. O. Box 728
Hobbs, New Mexico 88240

Re: West Dollarhide Drinkard Unit
Secondary Recovery Unit
1987 Plan of Operations
Lea County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved your 1987 Plan of Operations for the West Dollarhide Drinkard Secondary Recovery Unit Area, Lea County, New Mexico. Such plan advises that you plan to open and stimulate additional pay in approximately five wells and perform casing leak repairs and cleanouts as needed.

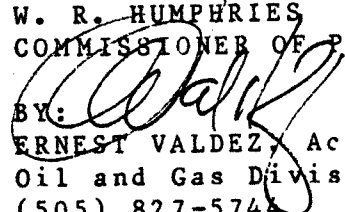
Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY: 
ERNEST VALDEZ, Acting Director
Oil and Gas Division
(505) 827-5744

WRH/EV/pm
encls.

cc: OGD-Santa Fe, New Mexico
BLM-Roswell, New Mexico Attn: Mr. Armando Lopez
Gulram, Inc.

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER

Commissioner of Public Lands

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

February 26, 1987

Point Petroleum Corp.
ATTENTION: Land Department
P. O. Box 3805
Midland, Texas 79702

Re: 1987 Plan of Development
West Dollarhide Queen Sand Unit
Lea County, New Mexico


Gentlemen:

Recently, this office approved Point Petroleum Corporation as the Successor Unit Operator of the West Dollarhide Unit. A review of our records reflects that the last Plan of Development for the above referenced unit was dated February 6, 1986 and covered the development period of 1986. Under the terms of Article 11 of the Unit Agreement, please submit your Plan of Development for 1987.


As part of your plan we require an up-to-date map of the unit area showing all wells and the zone(s) of completion. In addition please furnish a summary by months of the last years production history. Please be advised that the above information (map and production history) will be required by this office on all future Plans of Development that require the Land Commissioner's approval.

Very truly yours,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY: 
ERNEST VALDEZ, Acting Director
Oil and Gas Division
(505) 827-5744

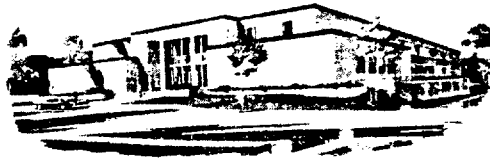
WRH/EV/pm
encls.

cc:  Santa Fe, New Mexico
BLM-Roswell, New Mexico Attn: Mr. Armando Lopez

State of New Mexico



JIM BACA
COMMISSIONER



Commissioner of Public Lands

February 18, 1986

#2672
P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148
Express Mail Delivery Used
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

Texaco USA
P. O. Box 728
Hobbs, New Mexico 88240

Re: 1986 Plan of Development
West Dollarhide Queen Sand Unit
Lea County, New Mexico

ATTENTION: Mr. Joe E. King

Gentlemen:

The Commissioner of Public Lands has this date approved your 1986 Plan of Development for the West Dollarhide Queen Sand Unit Area, Lea County, New Mexico. Such plan proposes to continue workovers to repair casing leaks, insure all productive pay is open and adequately stimulate the wells in the unit. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
AC 505/827-5744

JB/FOP/pm
encls.

cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico Attn: Fluids Branch
BLM-Roswell, New Mexico Attn: Armando Lopez

State of New Mexico



JIM BACA
COMMISSIONER

Commissioner of Public Lands

February 13, 1986

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148
Express Mail Delivery Order
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

Texaco USA
P. O. Box 728
Hobbs, New Mexico 88240

Re: West Dollarhide Drinkard
Secondary Recovery Unit
Lea County, New Mexico

ATTENTION: Mr. W. B. Cade

Gentlemen:

The Commissioner of Public Lands has this date approved your 1986 Plan of Development for the West Dollarhide Drinkard Secondary Recovery Unit Area, Lea County, New Mexico. Such plan proposes to cleanout 10 injection wells, evaluate wells that are shut-in, reenter wells No. 90 and 91, and begin an infill drilling program. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

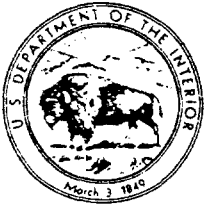
Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
AC 505/827-5744

JB/FOP/pm
encls.

cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico Attn: Fluids Branch
BLM-Roswell, New Mexico Attn: Mr. Armando Lopez



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Roswell District Office

P. O. Box 1397

Roswell, New Mexico 88201

#2672

IN REPLY
REFER TO:

West Dollarhide
Queen Sand Unit

April 2, 1984

RECEIVED
APR 6 9 08 AM '84
STATE LAND OFFICE
SANTA FE, N. M.

Getty Oil Company
Attention: Mr. W. A. Frnka
P.O. Box 730
Hobbs, New Mexico 88240

Gentlemen:

Enclosed is an approved copy of your 1984 Plan of Development and Operation for the West Dollarhide Queen Sand Unit Area, Lea County, New Mexico covering the period beginning January 1, 1984 and ending December 31, 1984. This plan, proposing that Well Nos. 8, 30 and 33 will be cleaned out and stimulated; Well Nos. 8 and 30 will be sand fraced; Well No. 30 will be acidized; Well Nos. 61, 62 and 64 will be evaluated for plugging; Well Nos. 36, 45 and 46 will be temporarily abandoned and Well No. 15 will be converted from production to injection during 1984, was approved this date, subject to like approval by the New Mexico Commissioner of Public Lands and the New Mexico Oil Conservation Division.

Sincerely yours,

(Orig. Sgd.) Earl R. Cunningham

District Manager

Enclosure: (1)

cc: NMOCD, Santa Fe

State of New Mexico



JIM BACA
COMMISSIONER



Commissioner of Public Lands

April 9, 1984

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148
Express Mail Delivery Uses
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

Getty Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

Re: 1984 Plan of Development
West Dollarhide Queen Sand Unit
Lea County, New Mexico

ATTENTION: Mr. W. A. Frnka

Gentlemen:

The Commissioner of Public Lands has this date approved your 1984 Plan of Development for the West Dollarhide Queen Sand Unit, Lea County, New Mexico. Such plan proposes to clean out and stimulate the Well Nos. 8, 30 and 33, evaluate for plugging the Well Nos. 61, 62 and 64, temporarily abandon the Well Nos. 36, 45, 46 and convert the Well No. 15 from production to injection. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy of your plan for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505/827-5744

JB/RDC/pm

encls.

cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico
BLM-Roswell, New Mexico

State of New Mexico



JIM BACA
COMMISSIONER



Commissioner of Public Lands

February 2, 1983

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

case # 2672

Getty Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

Re: West Dollarhide Queen Sand Unit
Lea County, New Mexico
1983 Plan of Development

ATTENTION: Mr. Dale R. Crockett

Gentlemen:

The Commissioner of Public Lands has this date approved your 1983 Plan of Development for the West Dollarhide Queen Sand Unit, Lea County, New Mexico. Such plan proposes to re-evaluate the unit for the continuation of the remedial program, which still includes re-entering well no. 24 and converting well nos. 15 and 19 from producers to injectors. Partial replacement of the water injection lines will also be considered in 1983. Our approval is subject to like approval by the United States Minerals Management Service and the New Mexico Oil Conservation Division.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY:
FLOYD O. PRANDO, Assistant Director
Oil and Gas Division
AC 505/827-5744

JB/FOP/pm
encls.
cc:

OCD-Santa Fe, New Mexico
USMMS-Albuquerque, New Mexico
Administration



United States Department of the Interior

OFFICE OF THE SECRETARY

Minerals Management Service
South Central Region
P. O. Box 26124
Albuquerque, New Mexico 87125

MAR 12 1982

Getty Oil Company
Attention: Dale R. Crockett
P. O. Box 730
Hobbs, New Mexico 88240

2672

Gentlemen:

An approved copy of your 1982 plan of development for the West Dollarhide Queen Sand Unit Area, Lea County, New Mexico, is enclosed. Such plan, proposing the workover of six wells to restore a five spot pattern, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

WILLIAM K. SHELTON

FOR Gene F. Daniel
Deputy Minerals Manager
Oil and Gas

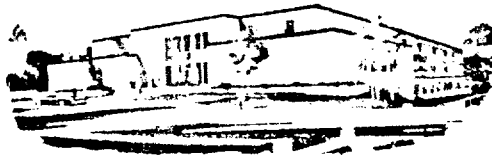
Enclosures

cc:
Comm. of Public Lands, Santa Fe
NMOCD, Santa Fe



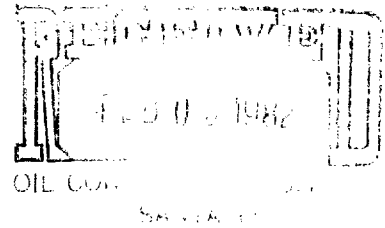
ALEX J. ARMIJO
COMMISSIONER

State of New Mexico



Commissioner of Public Lands

February 2, 1982



P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

Getty Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

Re: West Dollarhide Queen Sand Unit
Lea County, New Mexico
1982 Plan of Development

7112

ATTENTION: Mr. Dale R. Crockett

Gentlemen:

The Commissioner of Public Lands has this date approved your 1982 Plan of Development for the West Dollarhide Queen Sand Unit, Lea County, New Mexico. Such plan proposes to work over six wells. The Wells No. 20 and 33 will be cleaned out and acidized, Wells No. 18 and 24, will be re-entered and placed on production, well no. 15 and 19 will be converted from producers to injectors. Also remedial work may be expanded to cover the entire unit. Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Division.

Enclosed is one approved copy for your files.

Your filing fee in the amount of Three (\$3.00) Dollars has been received.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505/827-2748

AJA/RDG/pm
encls.

cc: OCD-Santa Fe, New Mexico ✓
USGS-Albuquerque, New Mexico

Getty Oil Company

Central Exploration and Production Division
P.O. Box 730
Hobbs, New Mexico 88240

January 19, 1982

RECEIVED
JAN 28 1982
OIL CONSERVATION DIVISION
SANTA FE

File: West Dollarhide Queen Sand Unit
Lease No. 777212
Lea County, New Mexico

Director (3)
United States Geological Survey
P.O. Box Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Oil Conservation Division (3)
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 11 of the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, Lea County, New Mexico, Getty Oil Company respectfully submits for your approval, a report of past operations and a plan of development and operation for the waterflood unit for the year 1982.

PAST OPERATIONS

The West Dollarhide Queen Sand Unit became effective January 1, 1963. The pilot operation was expanded to a full-scale waterflood in January 1964. The lease experienced severe water breakthrough in 1971. In order to minimize breakthrough, (13) injection wells were plugged and abandoned, and two wells converted to production. Presently there are (13) active injectors.

Cumulative water injection into the unit through November 1, 1981 was 20,491,740 barrels. The daily average injection rate for October, 1981 was 1760 barrels at 1300 psig.

Flood operations were not highly successful in the lower one-third of the unit. Wells south of the row of wells from No. 34 through 40 experienced water breakthrough problems with recovery of virtually no secondary oil from this area. In 1972 (6) injectors and (7) producers were plugged in this area to restore profitable operations. During 1973 and early 1974, (21) additional wells were selectively plugged due to their being uneconomical.

Cumulative oil production from the unit since utilization is 1,440,384 barrels as of November 1, 1981. In October, 1981 the unit averaged (51) barrels of oil and (605) barrels of water daily.

DEVELOPMENT PLANS FOR 1982

In a continuing effort to increase production and restore a five spot pattern, six wells will be worked over. Wells No. 20 and 33 will be cleaned out and acidized. Wells No. 18 and 24, which are plugged, will be re-entered and placed on production. Well No. 15 and 19 will be converted from producers to injectors.

Partial replacement of the water injection lines will also be considered in 1982.

Also, depending upon the success of this workover program, remedial work may be expanded to cover the entire unit.

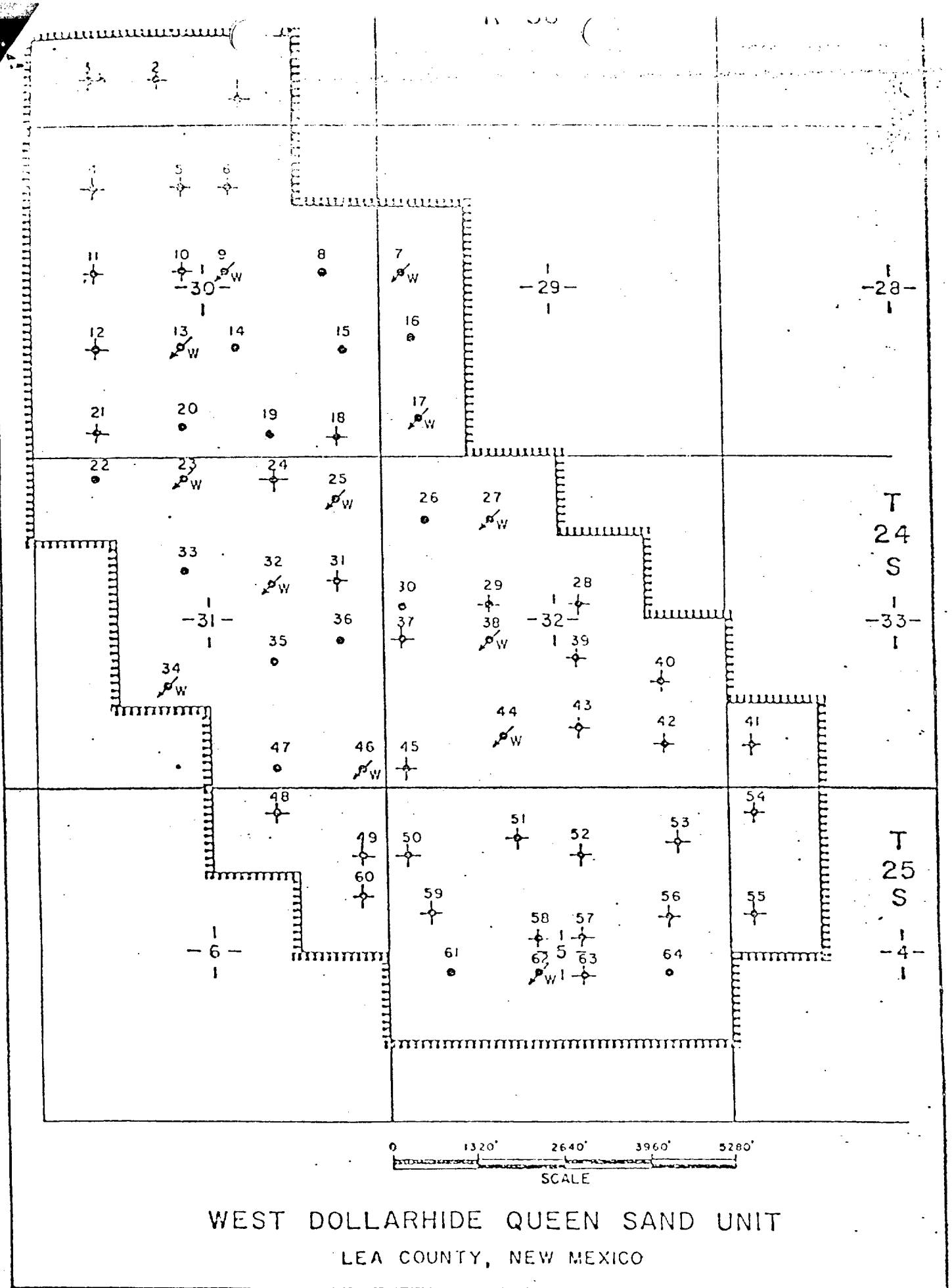
Very truly yours,

GETTY OIL COMPANY


Dale R. Crockett

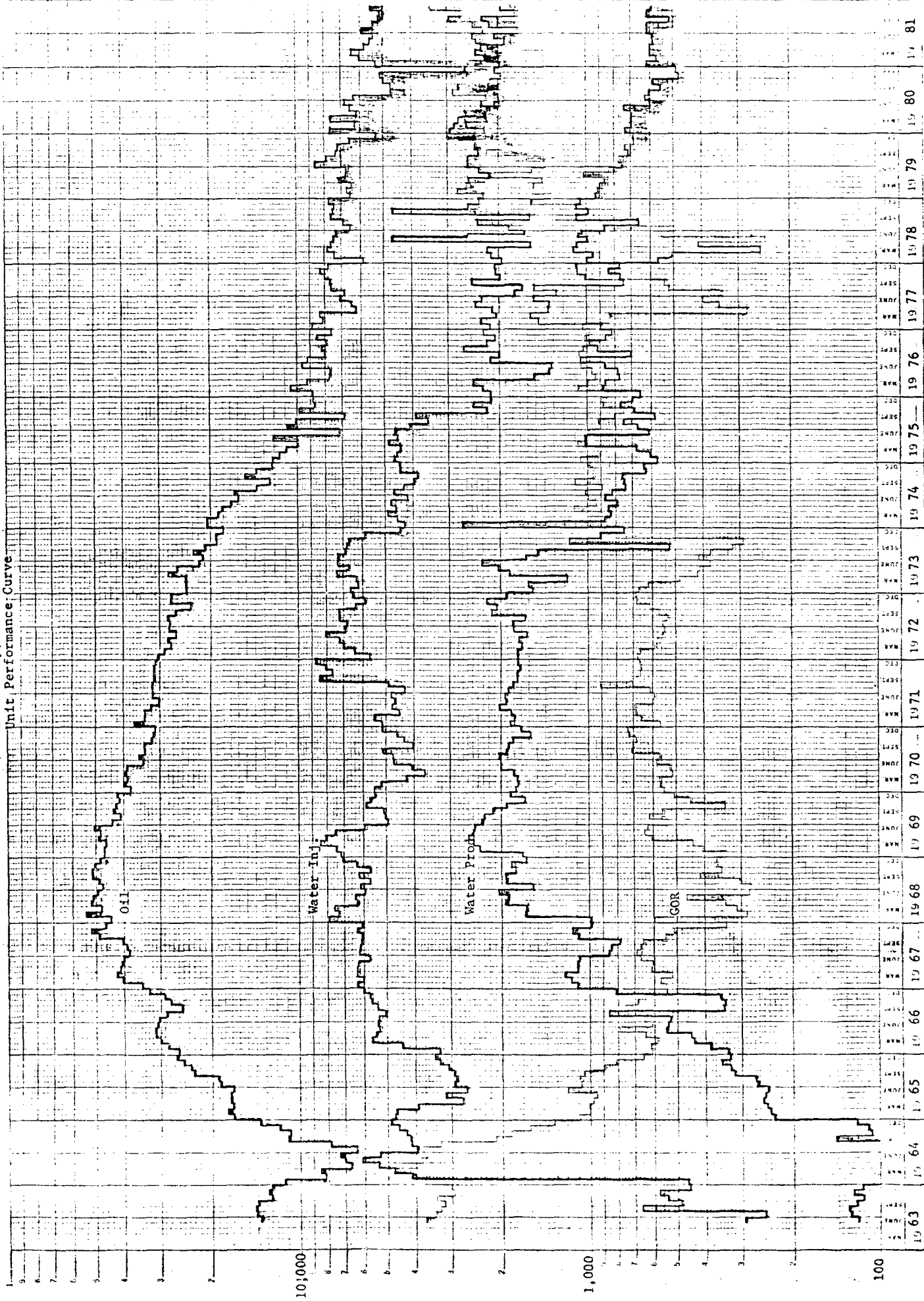
JIM/ly

Attachments



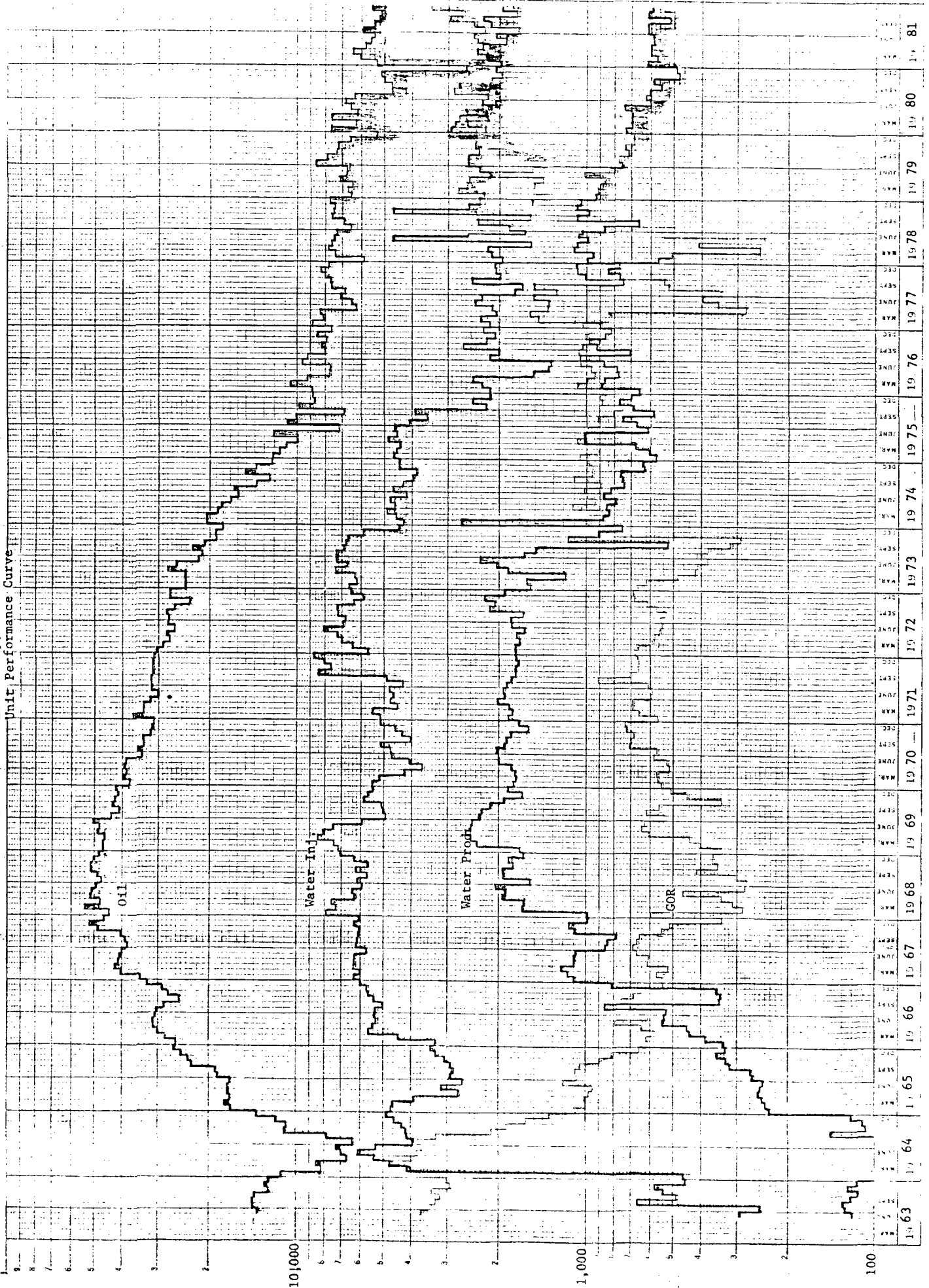
West Dollarhide Queen Unit
Dollarhide Field
Lea County, New Mexico

Unit Performance Curve



West Dollarhide Queen Unit
Dollarhide Field
Lea County, New Mexico

Unit Performance Curve



State of New Mexico



ALEX J. ARMIJO
COMMISSIONER



Commissioner of Public Lands

February 18, 1981

2672
#33
P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

Getty Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

Re: West Dollarhide Queen Sand Unit
Lea County, New Mexico
1981 PLAN OF DEVELOPMENT

ATTENTION: Mr. Dale R. Crockett

Gentlemen:

The Commissioner of Public Lands has this date approved your 1981 Plan of Development for the West Dollarhide Queen Sant Unit, Lea County, New Mexico. Such plan proposes to install larger pumps in wells where it is deemed necessary, and to repair the test satellites. Wells that are uneconomical or not in operation will be re-evaluated for re-completion to increase unit production. Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Commission.

Enclosed is one approved copy for your files.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505-827-2748

AJA/RDG/s
encls.
cc:

OCD-Santa Fe, New Mexico
USGS-Roswell, New Mexico
USGS-Albuquerque, New Mexico

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

February 19, 1981

Getty Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

Attention: Dale R. Crockett

Re: Case No. 2672
West Dollarhide Queen Sand Unit
1981 Plan of Development and
Operation

Gentlemen:

We hereby approve the 1981 Plan of Development and Operation for the West Dollarhide Queen Sand Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

Two approved copies of the Plan of Development are returned herewith.

Yours very truly,

JOE D. RAMEY
Director

JDR/EP/fd
enc.

cc: U.S.G.S. - Albuquerque
Commissioner of Public Lands

C

O

P

Y



Getty Oil Company

Central Exploration and Production Division
P. O. Box 730
Hobbs, New Mexico 88240

February 5, 1981

FEB 12 1981
OIL CONSERVATION DIVISION
SANTA FE

2672
File: West Dollarhide Queen Sand Unit
Lease No. 777212
Lea County, New Mexico

Director (3)
United States Geological Survey
P. O. Box Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Oil Conservation Division (3)
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 11 of the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, Lea County, New Mexico, Getty Oil Company respectfully submits for your approval, a report of past operations and a plan of development and operation for the waterflood unit for the year 1981.

PAST OPERATIONS

The West Dollarhide Queen Sand Unit became effective January 1, 1963, and water injection was initiated on January 23, 1963, into Unit Wells No. 59 and 60. In January, 1964, work began to expand the pilot operation to a full-scale waterflood. On March 8, 1964, injection of water was initiated into the last of the 27 input wells and full-scale operation of the injection facilities began. Well No. 11 was converted to injection on August 3, 1969. In 1973, 13 injection wells were P & A and 2 wells were converted to production, leaving 13 active injection wells.

Cumulative water injection into the Unit Area to November 1, 1980, was 19,674,601 barrels. Availability of water for injection was originally the limiting factor on injection rates; otherwise, injection operations were normal. To supplement the deficient Santa Rosa water supply, injection of produced water from the Fusselman and Ellenburger formations was commenced on February 13, 1966. Recycling of produced water from the Queen formation was commenced on September 15, 1966. In December, 1967, connection was made to Skelly's Jal Water System and use of Santa Rosa water was discontinued. The daily average injection rate for October, 1980, was 2,142 barrels at 1,300 psig.

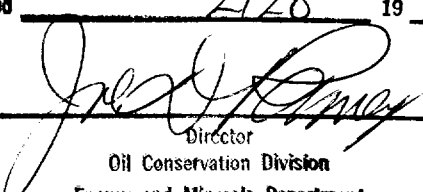
Flood operations were not successful in the lower one-third of the Unit Area. Wells south of the row of wells from No. 34 through 40 experienced water breakthrough problems with recovery of virtually no secondary oil from this area. Approval was obtained to P & A 13 wells (6 injectors and 7 producers) in this area, and this work was performed in 1972. This was considered as the initial stage to restore profitable operations.

Performance of the northern and middle segments of the unit was evaluated for selective abandonment of uneconomical producers and surplus injectors in these areas, and 17 wells were P & A in 1973. P & A of 5 additional wells was performed in late 1973 and early 1974, leaving 15 active producers.

Cumulative oil production from the Unit Area since unitization was 1,422,510 barrels on November 30, 1980. Response to injection was first noted in February, 1965, when production increased from 126 BOPD to 176 BOPD. Gradual improvement of oil production was apparent throughout the year of 1965 increasing from 126 BOPD in December, 1964, to 265 BOPD in December, 1965. After injection was increased in February, 1966, production increased to approximately 300 BOPD in March, 1966, and stabilized at that level for the remainder of the year. During 1967, gradual improvement in oil production was apparent throughout the year increasing from 328 BOPD in December, 1966, to 433 BOPD in September, 1967. This trend was continued in 1968 with production increasing from 466 BOPD in December, 1967, to 515 BOPD in September, 1968. By 1969, increasing water production and decreased oil production had reversed this trend. Despite installation of larger pumping equipment, oil production had decreased to 412 BOPD in August, 1969, to 340 BOPD in September, 1970, to 316 BOPD in September, 1971, to 265 BOPD in September, 1972, to 208 BOPD in September, 1973, to 126 BOPD in September, 1974, to 69 BOPD in September, 1975, to 82 BOPD in September, 1976, to 77 BOPD in August, 1977, and to 69 BOPD in August, 1978. Production levelled out in 1979 due to the installation of larger pumps in several wells. In October, 1980, production was 51 BOPD. Consolidation of producing facilities was completed in September, 1966, with installation of satellite test stations and a central battery with LACT unit. All unit production except Tract 10 has been handled by the central battery since that time. The tank battery serving Tract 10 production was relocated in December, 1967, adjacent to the central battery to facilitate recycling of produced water.


DEVELOPMENT PLANS FOR 1981

Plans are to install larger pumps in wells where it is deemed necessary, and to repair the test satellites. Wells that are uneconomical or not in operation will be re-evaluated for recompletion to increase unit production.

Approved 2/20 19 81

Director
Oil Conservation Division
Energy and Minerals Department

Very truly yours,

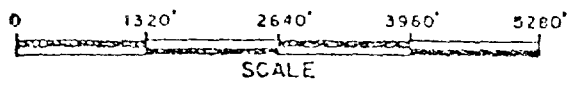
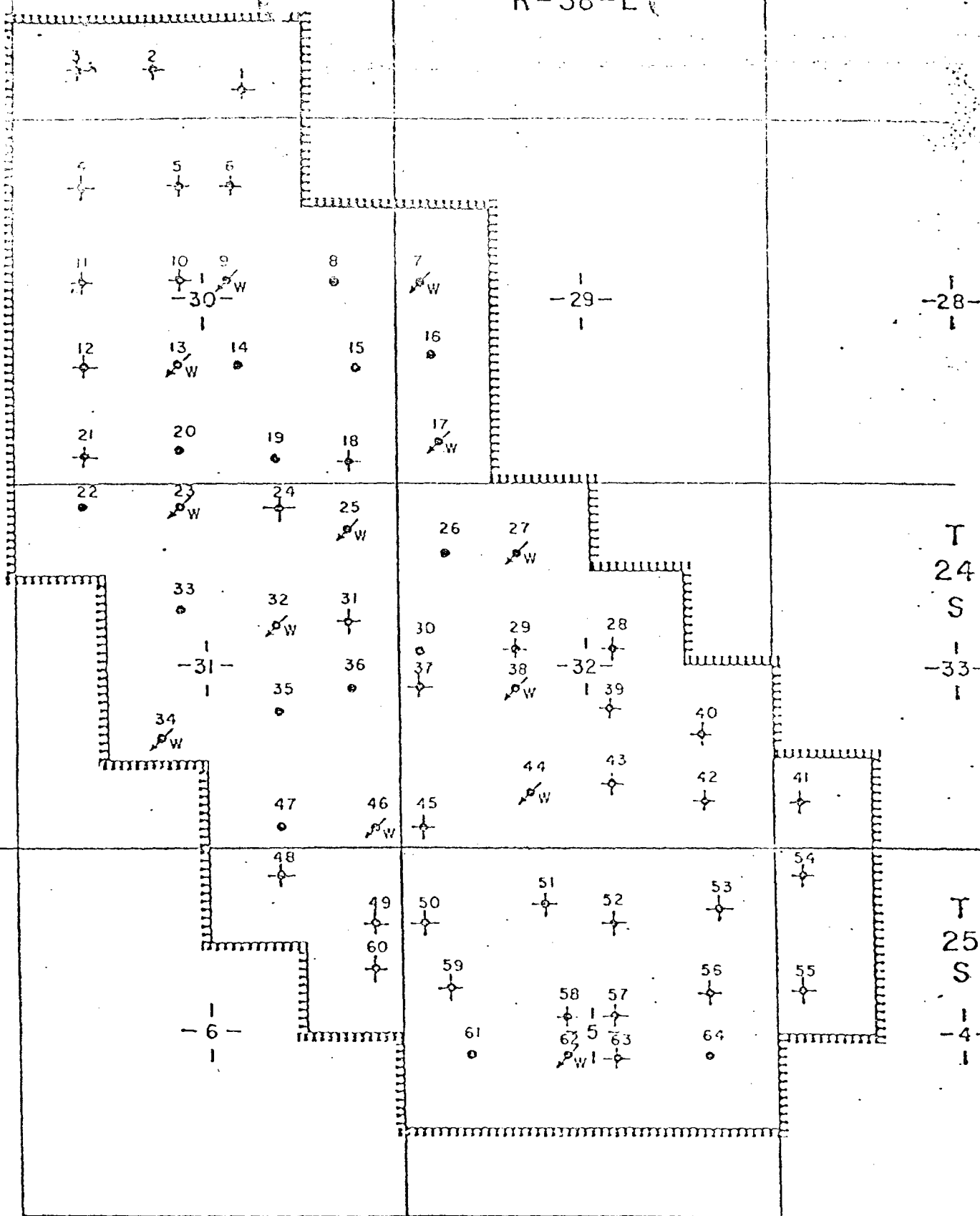
GETTY OIL COMPANY


Dale R. Crockett
Area Superintendent

JM/ly

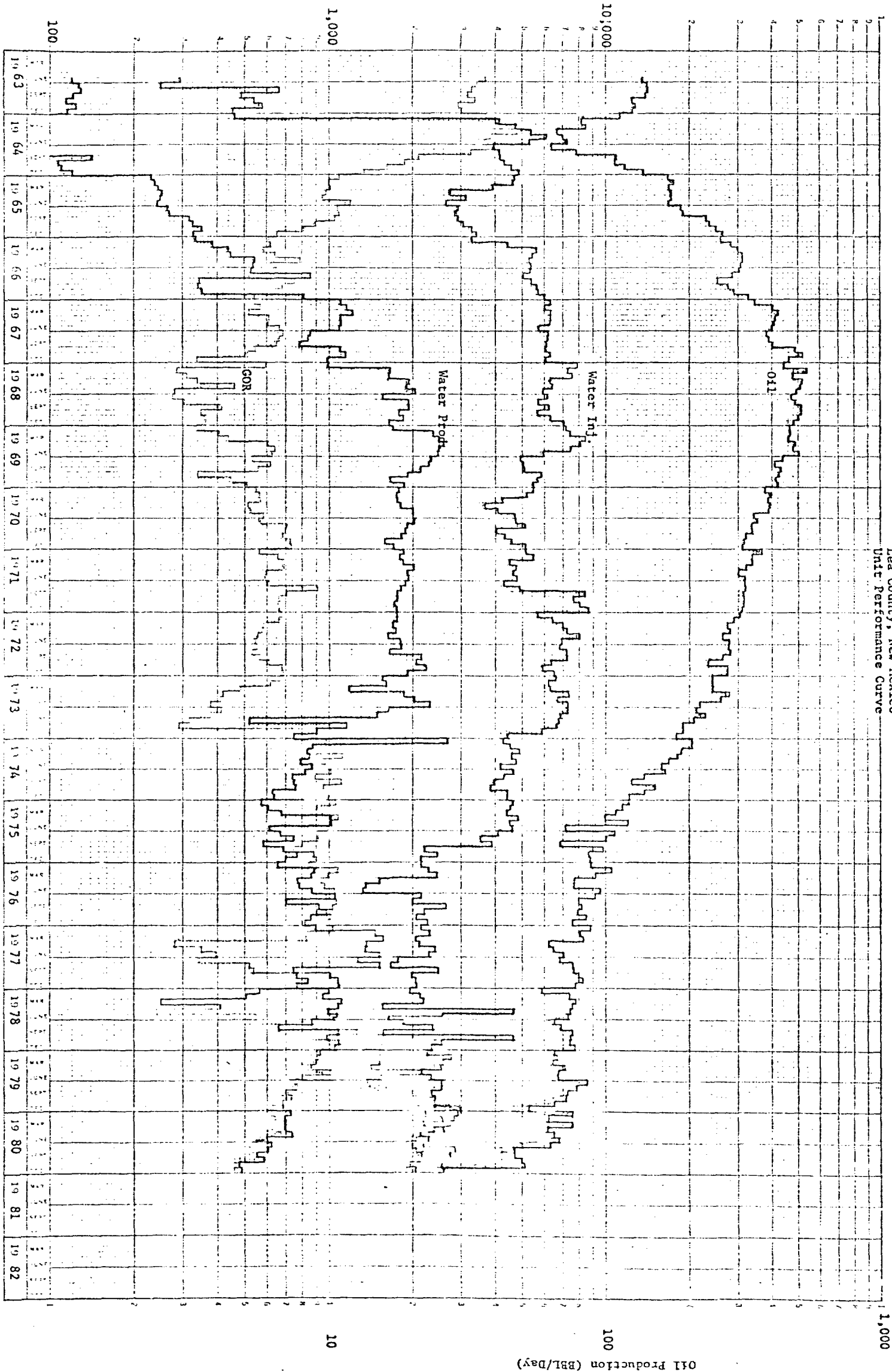
NOT REPRODUCED WITHOUT SUBJECT TO LIKE APPROVAL
BEING GRANTED BY THE UNITED STATES GEOLOGICAL
SURVEY AND BY THE COMMISSIONER OF PUBLIC LANDS
OF THE STATE OF NEW MEXICO.

R-38-E



WEST DOLLARHIDE QUEEN SAND UNIT
LEA COUNTY, NEW MEXICO

Water Production (BBL/Day), Gas-Oil Ratio (SCF/BBL), Water Injection (BBL/Day)



OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

July 9, 1980

Getty Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

Attention: Dale R. Crockett

Re: Case No. 2672
West Dollarhide Queen Sand Unit
1980 Plan of Development
and Operation

Gentlemen:

We hereby approve the 1980 Plan of Development and Operation for the West Dollarhide Queen Sand Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

Two approved copies of the Plan are returned herewith.

Yours very truly,

JOE D. RAMEY
Director

JDR/EP/fd
enc.

cc: U.S.G.S. - Roswell
Commissioner of Public Lands

C
O
P
Y

Getty Oil Company

Central Exploration and Production Division

P. O. Box 730

Hobbs, New Mexico 88240

November 30, 1979

File: West Dollarhide Queen Sand Unit
Lease No. 777212
Lea County, New Mexico

Director (3)
United States Geological Survey
P. O. Box Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Oil Conservation Division (3)
of The State Of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 11 of the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, Lea County, New Mexico, Getty Oil Company respectfully submits for your approval, a report of past operations and a plan of development and operation for the waterflood unit for the year 1980. ✓

PAST OPERATIONS

The West Dollarhide Queen Sand Unit became effective January 1, 1963, and water injection was initiated on January 23, 1963, into Unit Wells No. 59 and 60. In January, 1964, work began to expand the pilot operation to a full-scale waterflood. On March 8, 1964, injection of water was initiated into the last of the 27 input wells and full-scale operation of the injection facilities began. Well No. 11 was converted to injection on August 3, 1969. In 1973, 13 injection wells were P & A and 2 wells were converted to production leaving 13 active injection wells.

Cumulative water injection into the Unit Area to November 1, 1979, was 18,794,407 barrels. Availability of water for injection was originally the limiting factor on injection rates; otherwise, injection operations were normal. To supplement the deficient Santa Rosa water supply, injection of produced water from the Fusselman and Ellenburger formations was commenced on February 13, 1966. Recycling of produced water from the Queen formation was commenced on September 15, 1966. In December, 1967, connection was made to Skelly's Jal Water System and use of Santa Rosa water was discontinued. The daily average injection rate for October, 1979, was 2,397 barrels at 1,300 psig.

Page 2
November 30, 1979

Flood operations were not successful in the lower one-third of the Unit Area. Wells south of the row of wells from No. 34 through 40 experienced water breakthrough problems with recovery of virtually no secondary oil from this area. Approval was obtained to P & A 13 wells (6 injectors and 7 producers) in this area, and this work was performed in 1972. This was considered as the initial stage to restore profitable operations.

Performance of the northern and middle segments of the unit was evaluated for selective abandonment of uneconomical producers and surplus injectors in these areas, and 17 wells were P & A in 1973. P & A of 5 additional wells was performed in late 1973 and early 1974, leaving 15 active producers.

Cumulative oil production from the Unit Area since unitization was 1,402,532 barrels on November 1, 1979. Response to injection was first noted in February, 1965, when production increased from 126 BOPD to 176 BOPD. Gradual improvement of oil production was apparent throughout the year of 1965 increasing from 126 BOPD in December, 1964, to 265 BOPD in December, 1965. After injection was increased in February, 1966, production increased to approximately 300 BOPD in March, 1966, and stabilized at that level for the remainder of the year. During 1967, gradual improvement in oil production was apparent throughout the year increasing from 328 BOPD in December, 1966, to 433 BOPD in September, 1967. This trend was continued in 1968 with production increasing from 466 BOPD in December, 1967, to 515 BOPD in September, 1968. By 1969, increasing water production and decreased oil production had reversed this trend. Despite installation of larger pumping equipment, oil production had decreased to 412 BOPD in August, 1969, to 340 BOPD in September, 1970, to 316 BOPD in September, 1971, to 265 BOPD in September, 1972, to 208 BOPD in September, 1973, to 126 BOPD in September, 1974, to 69 BOPD in September, 1975, to 82 BOPD in September, 1976, to 77 BOPD in August, 1977, and to 69 BOPD in August, 1978. Production levelled out in 1979 due to the installation of larger pumps in several wells. In October, 1979, production was 72 BOPD. Consolidation of producing facilities was completed in September, 1966, with installation of satellite test stations and a central battery with LACT unit. All unit production except Tract 10 has been handled by the central battery since that time. The tank battery serving Tract 10 production was relocated in December, 1967, adjacent to the central battery to facilitate recycling of produced water.

DEVELOPMENT PLANS FOR 1980

Plans are to install larger pumps in wells where it is deemed necessary. Expenses will be held to a minimum to maintain economical operations.

Approved

2/9 19 80

Oil Conservation Division
Energy and Minerals Department

Very truly yours,

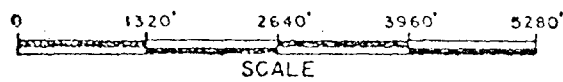
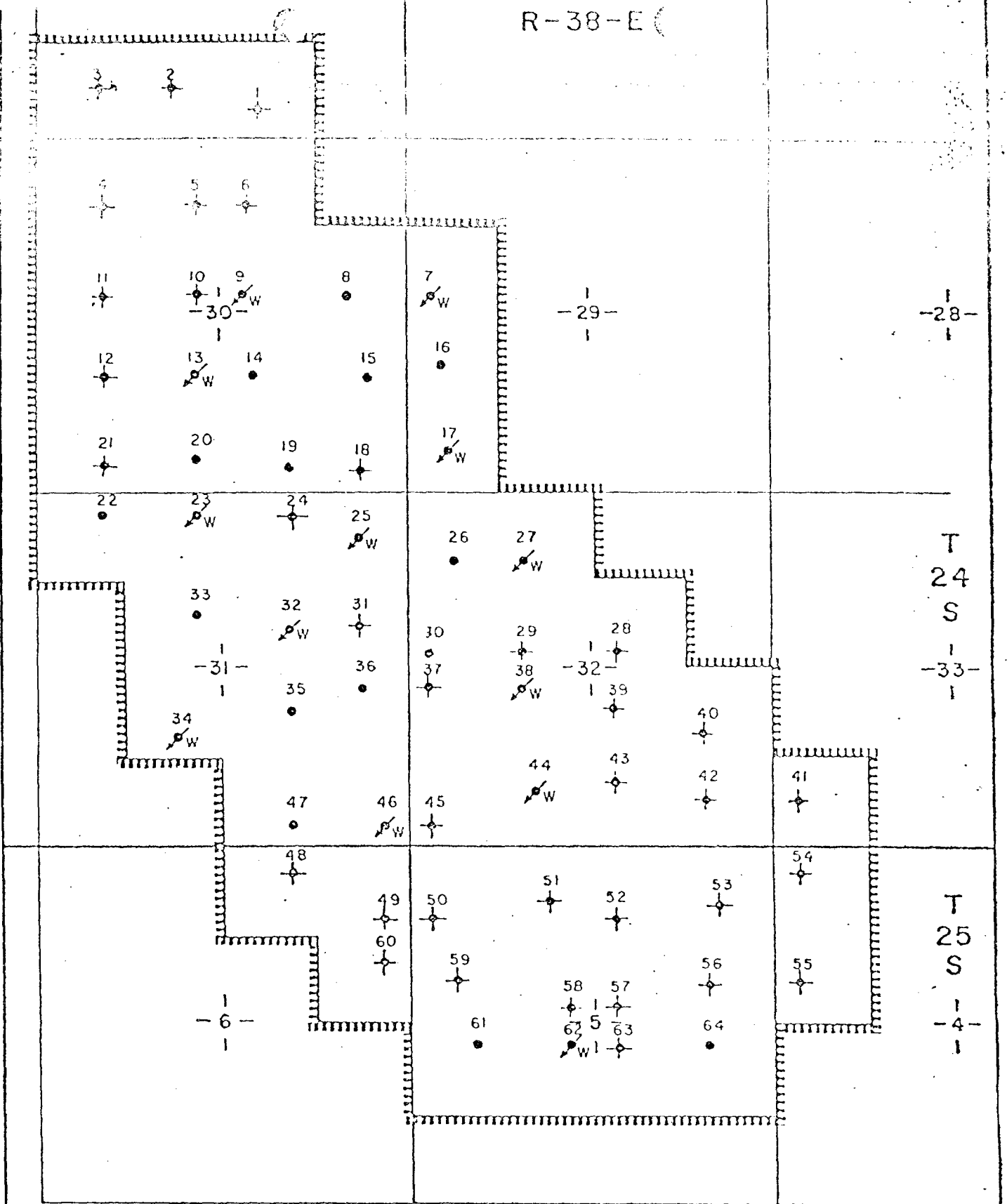
GETTY OIL COMPANY

Dale R. Crockett
Area Superintendent

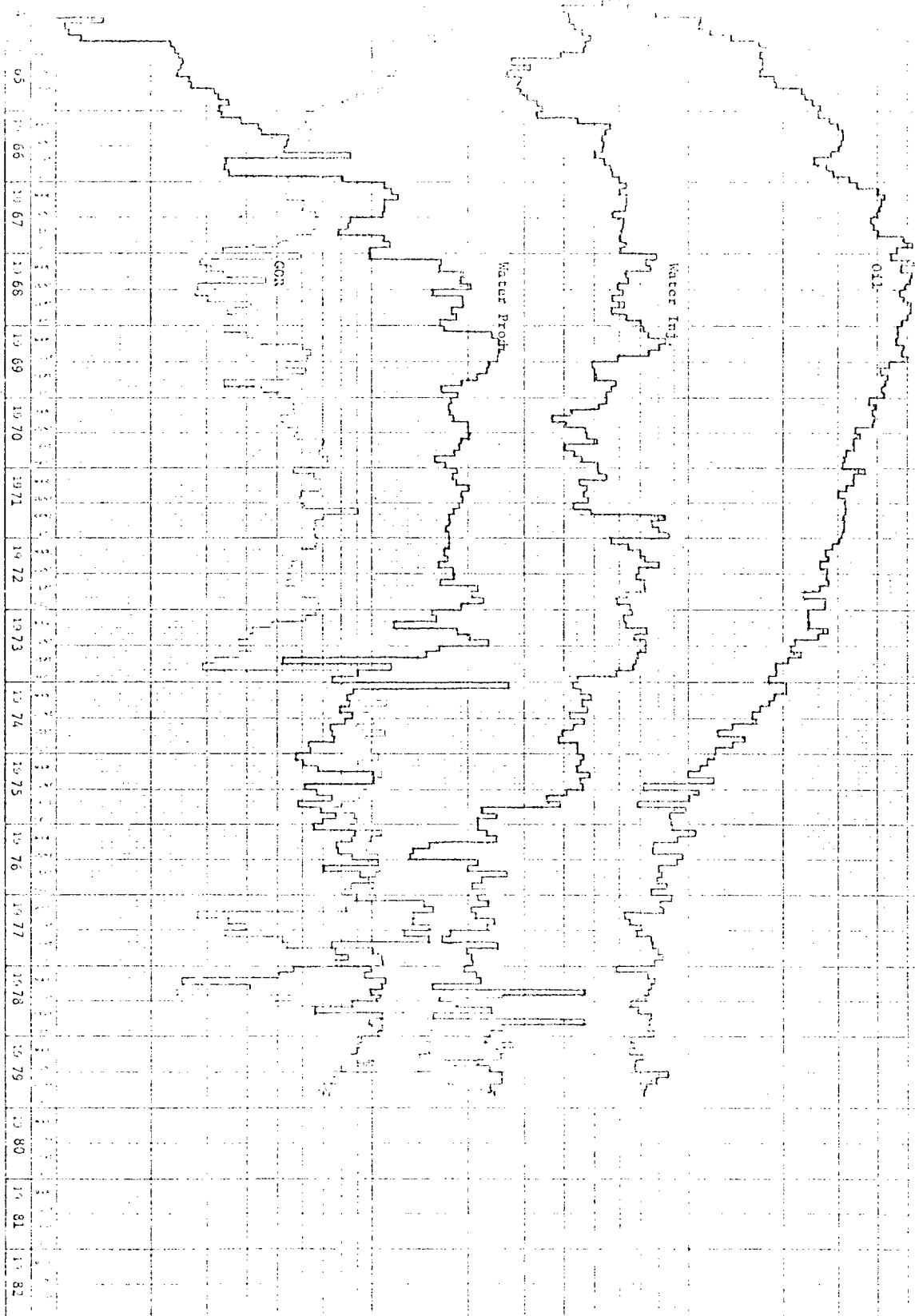
ELB/de

Attachments

R-38-E (

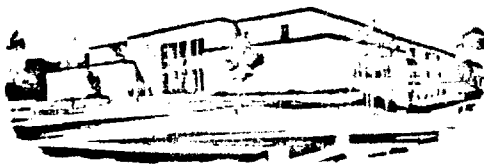


WEST DOLLARHIDE QUEEN SAND UNIT
LEA COUNTY, NEW MEXICO



West Dolan Field Dolan Unit
 Lea County, New Mexico
 Unit Performance Curve

State of New Mexico



Commissioner of Public Lands

ALEX J. ARMIJO
COMMISSIONER

March 26, 1980

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

Getty Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

2672

Re: West Dollarhide Queen Sand Unit
Lea County, New Mexico
1980 PLAN OF OPERATION AND DEVELOPMENT

ATTENTION: Mr. Dale R. Crockett

Gentlemen:

The Commissioner of Public Lands has this date approved your 1980 Plan of Development and Operation for the West Dollarhide Queen Sand Unit, Lea County, New Mexico. Such plan proposes to install larger pumps in wells where it is deemed necessary. Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Division.

Enclosed is one approved copy for your files.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505-827-2748

AJA/RDG/s
encl.
cc:

OCD-Santa Fe, New Mexico
USGS-Roswell, New Mexico
USGS-Albuquerque, New Mexico



United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Box 26124
Albuquerque, New Mexico 87125

DEC 01 1978

Getty Oil Company
Attention: Audra B. Cary
P. O. Box 730
Hobbs, New Mexico 88240

No. 2672

Gentlemen:

One approved copy of your 1979 plan of development for the Dollarhide Queen Sand unit area, Lea County, New Mexico, is enclosed.

Such plan, proposing to continue operating the unit without any changes, ~~was~~ approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) JAMES W. SUTHERLAND

Oil and Gas Supervisor, SRMA

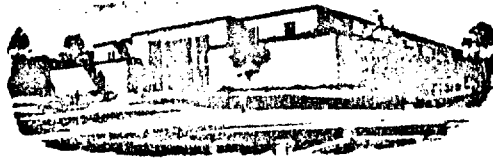
Enclosure

cc:
NMOCD, Santa Fe (1tr. only) ← This Copy for
Com. Pub. Lands, Santa Fe (1tr. only)

11-10-78



State of New Mexico



Commissioner of Public Lands

November 15, 1978

PHIL R. LUCERO
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

Getty Oil Company
P. O. Box 1231
Midland, Texas 79702

no. 2672

Re: West Dollarhide Queen Sand Unit
Lea County, New Mexico
PLAN OF DEVELOPMENT FOR 1979

ATTENTION: Audra B. Cary

Gentlemen:

The Commissioner of Public Lands has this date approved your Plan of Development for the West Dollarhide Queen Sand Unit, Lea County, New Mexico, for the year 1979. Your plan is to continue operations without any changes. This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Division.

Enclosed is one approved copy for your files.

Your Three (\$3.00) Dollar filing fee has been received.

Very truly yours,

PHIL R. LUCERO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division

PRL/RDG/s
encl.
cc:

OCD-Santa Fe, New Mexico ✓
USGS-Roswell, New Mexico
USGS-Albuquerque, New Mexico

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

November 27, 1978

Getty Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

Attention: Audra B. Cary

Re: Case No. 2672
West Dollarhide Queen Sand Unit
1979 Plan of Development

Gentlemen:

We hereby approve the 1979 Plan of Development for the West Dollarhide Queen Sand Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

Two approved copies of the Plan of Development are returned herewith.

Yours very truly,

JOE D. RAMEY
Director

JDR/LT/fd
enc.

cc: U.S.G.S. - Roswell
Commissioner of Public Lands

C
O
P
Y

NOV 13 1978

GETTY

Getty Oil Company

Santa Fe

Central Exploration and Production Division
P. O. Box 730
Hobbs, New Mexico 88240

November 1, 1978

File: West Dollarhide Queen Sand Unit
Lease No. 77212
Lea County, New Mexico

Director (3)
United States Geological Survey
P. O. Box Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

NO. 2672

1979 Plan of
Development
Approve

Gentlemen:

In accordance with Section 11 of the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, Lea County, New Mexico, Getty Oil Company respectfully submits for your approval, a report of past operations and a plan of development and operation for the waterflood unit for the year 1979.

PAST OPERATIONS

The West Dollarhide Queen Sand Unit became effective January 1, 1963, and water injection was initiated on January 23, 1963, into Unit Wells No. 59 and 60. In January, 1964, work began to expand the pilot operation to a full-scale waterflood. On March 8, 1964, injection of water was initiated into the last of the 27 input wells and full-scale operation of the injection facilities began. Well No. 11 was converted to injection on August 3, 1969. In 1973, 13 injection wells were P & A and 2 wells were converted to production leaving 13 active injection wells.

Cumulative water injection into the Unit area to September 1, 1978, was 25,635,636 barrels. Availability of water for injection was originally the limiting factor on injection rates; otherwise, injection operations were normal. To supplement the deficient Santa Rosa water supply, injection of produced water from the Fusselman and Ellenburger formations was commenced on February 13, 1966. Recycling of produced water from the Queen formation was commenced on September 15, 1966. In December, 1967, connection was made to Skelly's Jal Water System and use of Santa Rosa water was discontinued. The daily average injection rate for August, 1978, was 2,397 barrels at 1,300 psig.

Flood operations were not successful in the lower 1/3 of the Unit Area. Wells south of the row of wells from No. 34 through 40 experienced water breakthrough problems with recovery of virtually no secondary oil from this area. Approval was obtained to P & A 13 wells (6 injectors and 7 producers) in this area, and this work was performed in 1972. This was considered as the initial stage to restore profitable operations.

Performance of the northern and middle segments of the unit was evaluated for selective abandonment of uneconomical producers and surplus injectors in these areas, and 17 wells were P & A in 1973. P & A of 5 additional wells was performed in late 1973 and early 1974, leaving 15 active producers.

Cumulative oil production from the Unit Area since unitization was 1,371,599 barrels on September 1, 1978. Response to injection was first noted in February, 1965, when production increased from 126 BOPD to 176 BOPD. Gradual improvement of oil production was apparent throughout the year of 1965 increasing from 126 BOPD in December, 1964, to 265 BOPD in December, 1965. After injection was increased in February, 1966, production increased to approximately 300 BOPD in March, 1966, and stabilized at that level for the remainder of the year. During 1967, gradual improvement in oil production was apparent throughout the year increasing from 328 BOPD in December, 1966, to 433 BOPD in September, 1967. This trend was continued in 1968 with production increasing from 466 BOPD in December, 1967, to 515 BOPD in September, 1968. By 1969, increasing water production and decreased oil production had reversed this trend. Despite installation of larger pumping equipment, oil production had decreased to 412 BOPD in August, 1969 to 340 BOPD in September, 1970, to 316 BOPD in September, 1971, to 265 BOPD in September, 1972, to 208 BOPD in September, 1973, to 126 BOPD in September, 1974, to 69 BOPD in September, 1975, to 82 BOPD in September, 1976, to 77 BOPD in August, 1977, and to 69 BOPD in August, 1978. Consolidation of producing facilities was completed in September, 1966, with installation of satellite test stations and a central battery with LACT unit. All unit production except Tract 10 has been handled by the central battery since that time. The tank battery serving Tract 10 production was relocated in December, 1967, adjacent to the central battery to facilitate recycling of produced water.

DEVELOPMENT PLANS FOR 1979

Plans are to continue operating the Unit without any changes. Expenses will be held to a minimum to maintain economical operations.

Very truly yours,

Getty Oil Company

THIS APPROVAL IS GRANTED SUBJECT TO LIME APPROVAL
BY THE STATE OF NEW MEXICO, DEPARTMENT OF PUBLIC LANDS,
SUPERVISOR OF MINES AND REVENUE, AND THE GEOLOGICAL
COMMISSIONER OF THE STATE OF NEW MEXICO.

Audra B. Cary
Audra B. Cary, Chairman

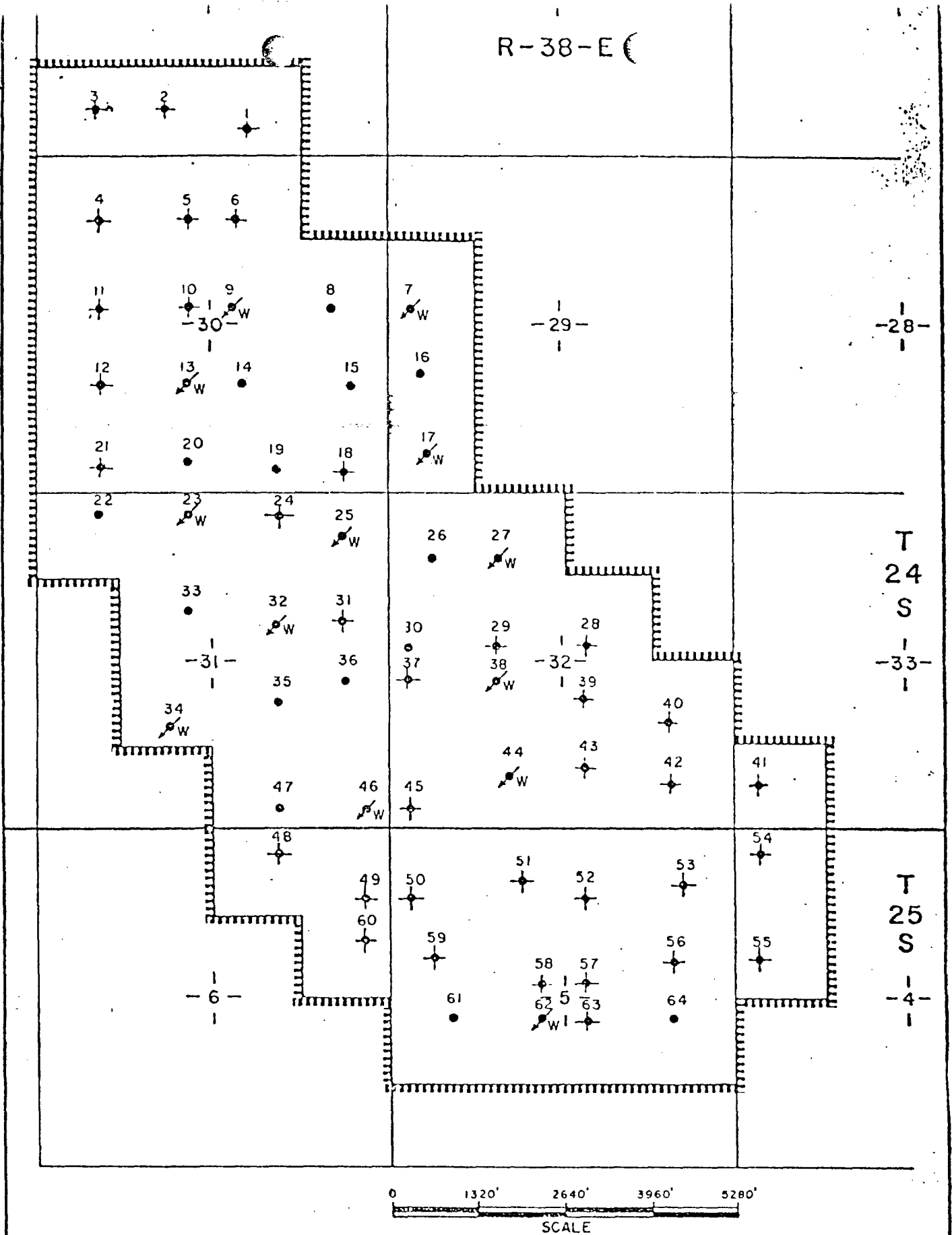
Approved 11/27 Working Interest Owners' Committee

ELB/de

Attachments

[Signature]
Oil Conservation Division
Energy and Minerals Department

R-38-E (

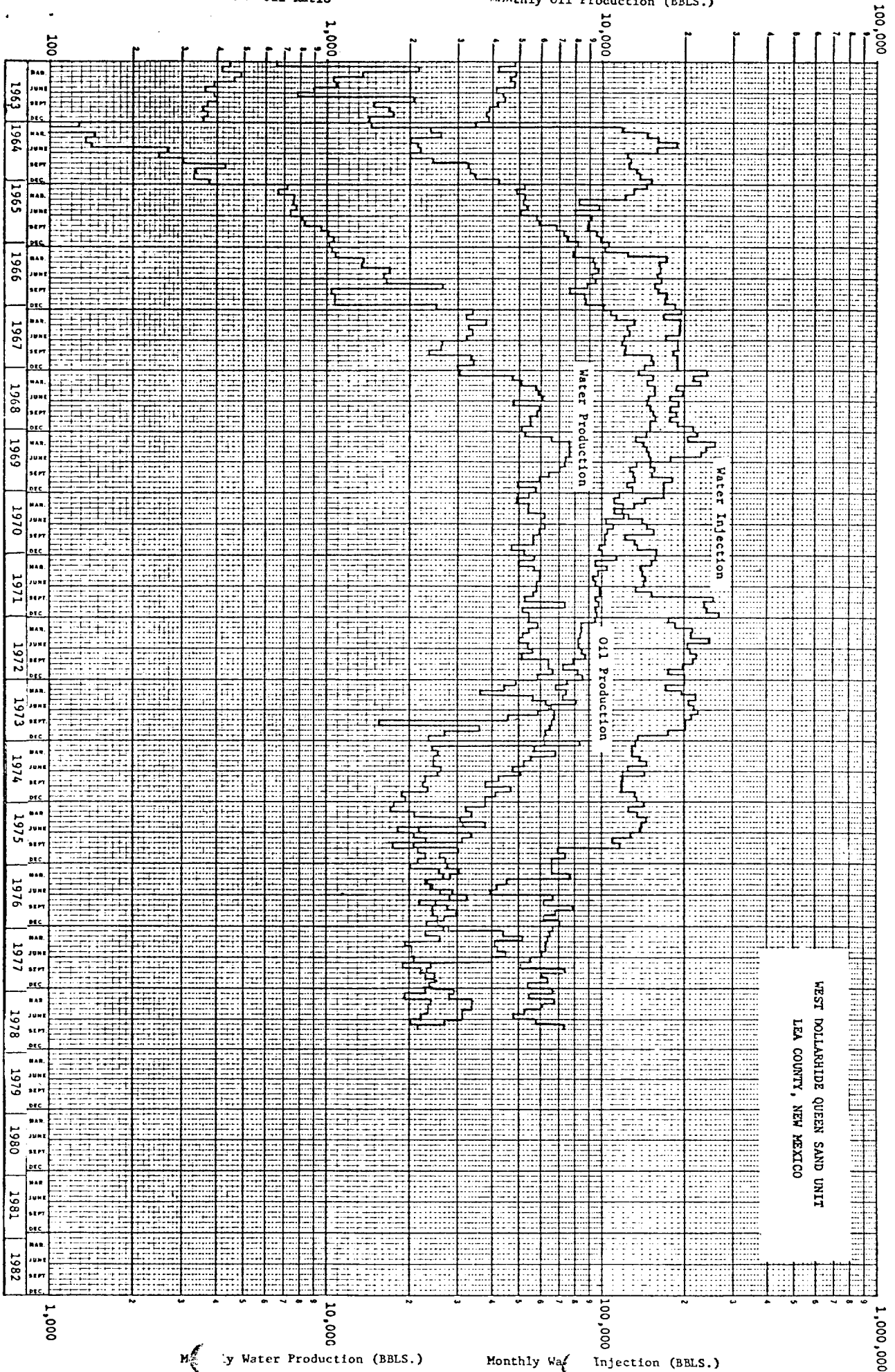


WEST DOLLARHIDE QUEEN SAND UNIT

LEA COUNTY, NEW MEXICO

Gas - Oil Ratio

Monthly Oil Production (BBLs.)



Conservation Division
P. O. Box 26124
Albuquerque, New Mexico 87125

NOV 28 1977

Getty Oil Company
Attention: Audra B. Cary
P. O. Box 1404
Houston, Texas 77001

Gentlemen:

Enclosed is one approved copy of your report of 1976 operations and 1977 plan of development for the West Dollarhide Queen Sand Unit, Lea County, New Mexico.

This plan, proposing to continue the program of selective abandonment of uneconomical producers and surplus injectors in order to maintain economical operations, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SIGNED) JAMES W. SUTHERLAND

JAMES W. SUTHERLAND
Oil and Gas Supervisor, SRMA

Enclosure

cc:

New Mexico Oil Conservation Commission, Santa Fe (Letter only)
Commissioner of Public Lands, Santa Fe (Letter only)

State of New Mexico



Commissioner of Public Lands

PHIL R. LUCERO
COMMISSIONER

November 18, 1977

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

Getty Oil Company
P. O. Box 1231
Midland, Texas 79701

Re: West Dollarhide Queen Sand Unit
PLAN OF DEVELOPMENT FOR 1978
Las County, New Mexico

ATTENTION: Audra B. Cary

No. 2672

Gentlemen:

The Commissioner of Public Lands has this date approved your Plan of Development and Operation for the West Dollarhide Queen Sand Unit, Las County, New Mexico. Such plan are to continue the program of selective abandonment of uneconomical producers and surplus injectors to maintain economical operations.

Enclosed is one approved copy for your files.

Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Commission.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

PHIL R. LUCERO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division

PRL/RDG/s
encls.
cc:

OCC-Santa Fe, New Mexico ✓
USGS-Roswell, New Mexico
USGS-Albuquerque, New Mexico

GOVERNOR
EDWIN L. MECHEM
CHAIRMAN

State of New Mexico
Oil Conservation Commission



LAND COMMISSIONER
E. S. JOHNNY WALKER
MEMBER

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

P. O. BOX 871
SANTA FE

October 31, 1962

Mr. George Selinger
Skelly Oil Company
Post Office Box 1650
Tulsa 2, Oklahoma

Re: Case No. 2672
Order No. R-2352
Applicant:
Skelly Oil Company

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ir/

Carbon copy of order also sent to:

Hobbs OCC x

Artesia OCC

Aztec OCC

OTHER Mr. Hooker Kelly
Mr. Guy Buell

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

November 15, 1977

**Gatty Oil Company
Box 1231
Midland, Texas 79701**

Attention: Audra B. Cary

**Re: Case No. 2672
West Dollarhide Queen
Sand Unit
1978 Plan of Development**

Gentlemen:

**We hereby approve the 1978 Plan of Development for
the West Dollarhide Queen Sand Unit, Lea County, New
Mexico, subject to like approval by the United States
Geological Survey and the Commissioner of Public Lands.**

Two approved copies of the Plan are returned herewith.

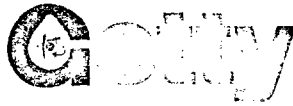
Very truly yours,

**JOE D. RAMEY
Secretary-Director**

**JDR/LT/fd
enc.**

**cc: U.S.G.S. - Roswell
Commissioner of Public Lands**

C
O
P
Y



Getty Oil Company

Mid-Continent Exploration and Production Division

November 1, 1977

File: West Dollarhide Queen Sand Unit
Lease No. 77212
Lea County, New Mexico

Director (3)
United States Geological Survey
P.O. Box Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Oil Conservation Commission of (3) ✓
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

77-2672

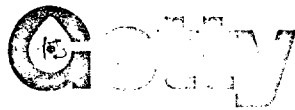
Gentlemen:

In accordance with Section 11 of the Unit agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, Lea County, New Mexico. Getty Oil Company respectfully submits for your approval, a report of past operations and a plan of development and operation for the waterflood unit for the year 1978.

PAST OPERATIONS

The West Dollarhide Queen Sand Unit became effective January 1, 1963, and water injection was initiated on January 23, 1963, into Unit Wells No. 59 and 60. In January, 1964, work began to expand the pilot operation to a full-scale waterflood. On March 8, 1964, injection of water was initiated into the last of the 27 input wells and full-scale operation of the injection facilities began. Well No. 11 was converted to injection on August 3, 1969. In 1973, 13 injection wells were P&A and 2 wells were converted to production, leaving 13 active injection wells.

Cumulative water injection into the unit area to September 1, 1977, was 24,845,722 barrels. Availability of water for injection was originally the limiting factor on injection rates; otherwise, injection operations were normal. To supplement the deficient Santa Rosa water supply, injection of produced water from the Fusselman and Ellenburger formations was commenced on February 13, 1966. Recycling of produced water from the Queen formation was commenced on September 15, 1966. In December, 1967, connection was made to Skelly's Jal Water System and use of Santa Rosa water was discontinued. The daily average injection rate for August 1977, was 1,656 barrels at 1,300 psig.



Getty Oil Company

Mid-Continent Exploration and Production Division

Flood operations were not successful in the lower 1/3 of the Unit Area. Wells south of the row of wells from No. 34 through 40 experienced water breakthrough problems with recovery of virtually no secondary oil from this area. Approval was obtained to P&A 13 wells (6 injectors and 7 producers) in this area, and this work was performed in 1972. This was considered as the initial stage to restore profitable operations.

Performance of the northern and middle segments of the unit was evaluated for selective abandonment of uneconomical producers and surplus injectors in these areas, and 17 wells were P&A in 1973. P&A of 5 additional wells was performed in late 1973 and early 1974, leaving 15 active producers.

Cumulative oil production from the Unit Area since unitization was 1,344,192 barrels on September 1, 1977. Response to injection was first noted in February, 1965, when production increased from 126 BOPD to 176 BOPD. Gradual improvement on oil production was apparent throughout this year of 1965, increasing from 126 BOPD in December, 1964, to 265 BOPD in December, 1965. After injection was increased in February, 1966, production increased to approximately 300 BOPD in March, 1966, and stabilized at that level for the remainder of the year. During 1967, gradual improvement in oil production was apparent throughout the year increasing from 328 BOPD in December, 1966, to 433 BOPD in September, 1967. This trend was continued in 1968 with production increasing from 466 BOPD in December, 1967, to 515 BOPD in September, 1968. By 1969, increasing water production and decreased oil production had reversed this trend. Despite installation of larger pumping equipment, oil production had decreased to 412 BOPD in August, 1969; to 340 BOPD in September, 1970; to 316 BOPD in September, 1971; to 265 BOPD in September, 1972; to 208 BOPD in September, 1973; to 126 BOPD in September, 1974; to 69 BOPD in September, 1975, to 82 BOPD in September 1976, and to 77 BOPD in August, 1977. Consolidation of producing facilities was completed in September, 1966, with installation of satellite test stations and a central battery with LACT unit. All unit production, except Tract 10, has been handled by the central battery since that time. The tank battery serving Tract 10 production was relocated in December, 1967, adjacent to the central battery to facilitate recycling of produced water.

DEVELOPMENT PLANS FOR 1978

Plans are to continue the program of selective abandonment of uneconomical producers and surplus injectors to maintain economical operations.

Approved... 11/15/77 19.22

Very truly yours,

Getty Oil Company

Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION

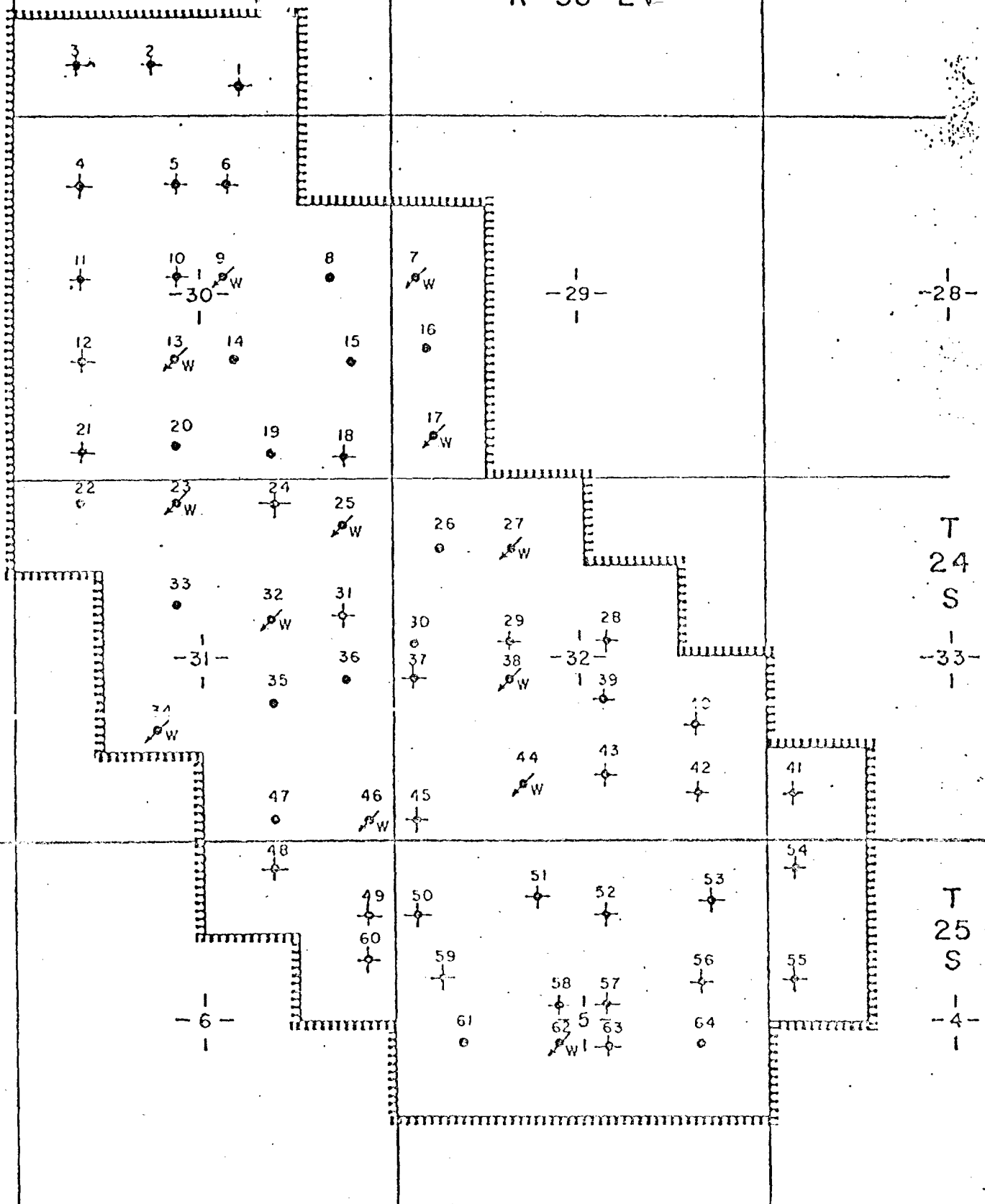
Audra B. Cary

Audra B. Cary, Chairman
Working Interest Owners' Committee

ELB/c

THIS APPROVAL GRANTED SUBJECT TO THE APPROVAL
OF THE COMMISSION BY THE BOARD OF DIRECTORS OF THE
NEW MEXICO OIL CONSERVATION COMMISSION
IN THE STATE OF NEW MEXICO.

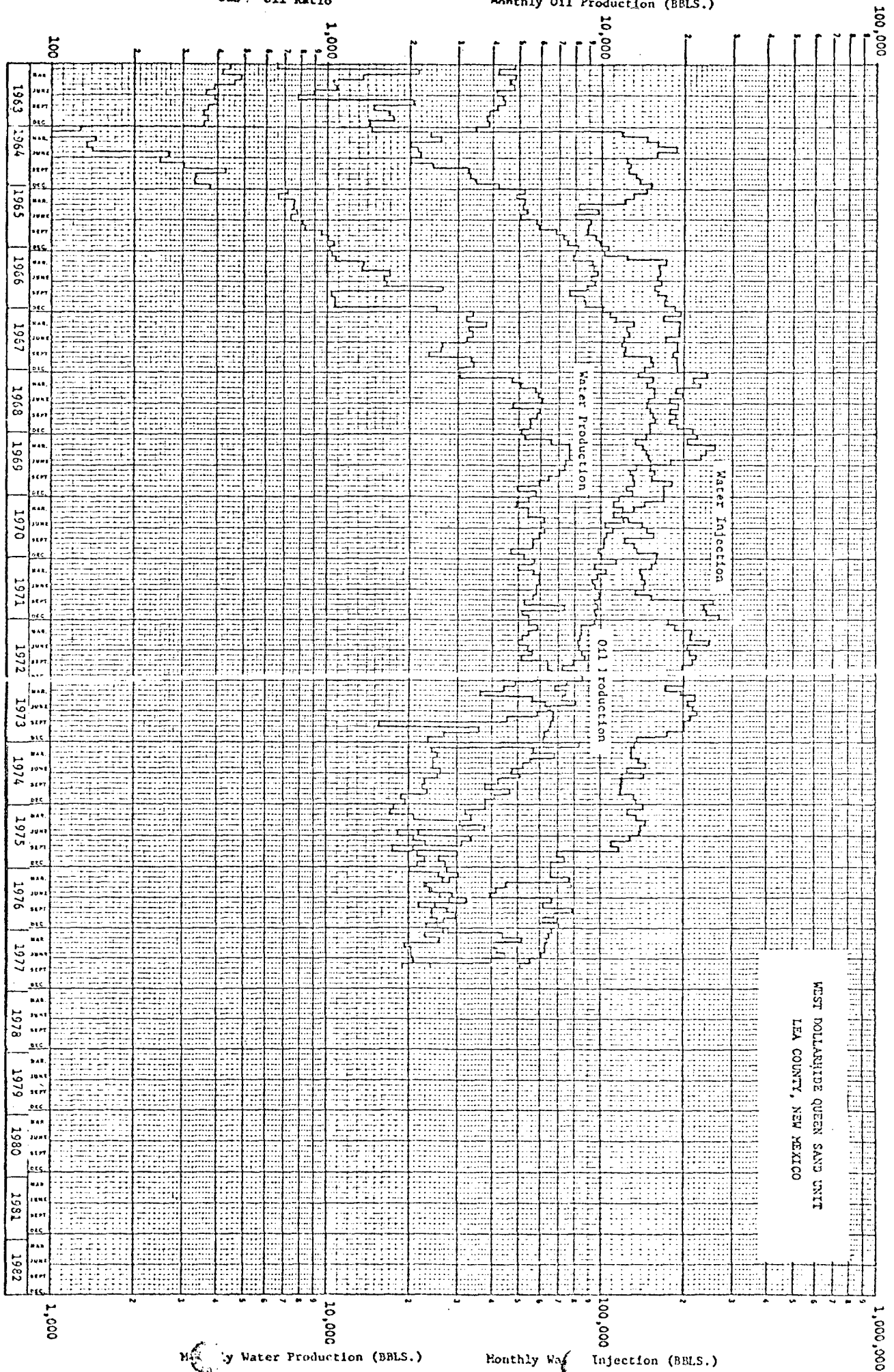
R-38-E



WEST DOLLARHIDE QUEEN SAND UNIT

LEA COUNTY, NEW MEXICO
WELLS AS OF 11-1-77

Monthly Oil Production (BBLs.)



WEST DOLLARIDE QUEEN SAND UNIT
LEA COUNTY, NEW MEXICO

Monthly Water Production (BBLS.)

Monthly Wa⁸ Injection (BBLs.)

2672

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

November 23, 1976

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. Leland Franz

Re: 1977 Development Plans,
West Dollarhide Queen Sand
Unit, Lea County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Development and Operation Plans for the calendar year 1977 for the West Dollarhide Queen Sand Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Two approved copies of the plans are returned herewith.

Very truly yours,

JOE D. RAMEY
Secretary-Director

JDR/JEK/og

cc: United States Geological Survey
Roswell, New Mexico

Commissioner of Public Lands
Santa Fe, New Mexico



SKELLY OIL COMPANY

November 1, 1976

DOMESTIC EXPL. & PROD. DEPARTMENT

MIDLAND E & P DISTRICT

F. L. FRANZ, DISTRICT PRODUCTION MANAGER

M. J. EKMAN, DISTRICT ENGINEER

C. F. BOSECKER, LEAD RESERVOIR ENGINEER

F. J. PETRO, LEAD PRODUCTION ENGINEER

ADDRESS REPLY TO:
P. O. BOX 1351
MIDLAND, TEXAS 79701

File: West Dollarhide Queen Sand Unit
Lease No. 77212
Lea County, New Mexico

Director (3)
United States Geological Survey
P. O. Box Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 11 of the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, Lea County, New Mexico. Skelly Oil Company respectfully submits for your approval, a report of past operations and a plan of development and operation for the waterflood unit for the year 1977.

PAST OPERATIONS

The West Dollarhide Queen Sand Unit became effective January 1, 1963, and water injection was initiated on January 23, 1963, into Unit Wells No. 59 and 60. In January, 1964, work began to expand the pilot operation to a full-scale waterflood. On March 8, 1964, injection of water was initiated into the last of the 27 input wells and full-scale operation of the injection facilities began. Well No. 11 was converted to injection on August 3, 1969. In 1973, 13 injection wells were P&A and 2 wells were converted to production test, leaving 13 active injection wells.

Cumulative water injection into the unit area to October 1, 1976, was 24,173,627 barrels. Availability of water for injection was originally the limiting factor on injection rates; otherwise, injection operations were normal. To supplement the deficient Santa Rosa water supply, injection of produced water from the Fusselman and Ellenburger formations was commenced on February 13, 1966. Recycling of produced water from the Queen formation was commenced on September 15, 1966. In December, 1967, connection was made to Skelly's Jal Water System and use of Santa Rosa water was discontinued. The daily average injection rate for September, 1976, was 2,658 barrels at 1,300 psig.

Page 2, 1976
November 1, 1976

Flood operations were not successful in the lower 1/3 of the Unit Area. Wells south of the row of wells from No. 34 through 40 experienced water breakthrough problems with recovery of virtually no secondary oil from this area. Approval was obtained to P&A 13 wells (6 injectors and 7 producers) in this area, and this work was performed in 1972. This was considered as the initial stage to restore profitable operations.

Performance of the northern and middle segments of the unit was evaluated for selective abandonment of uneconomical producers and surplus injectors in these areas, and 17 wells were P&A in 1973. P&A of 5 additional wells was performed in late 1973 and early 1974, leaving 15 active producers.

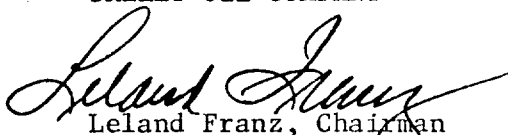
Cumulative oil production from the Unit Area since unitization was 1,318,693 barrels on October 1, 1976. Response to injection was first noted in February, 1965, when production increased from 126 BOPD to 176 BOPD. Gradual improvement in oil production was apparent throughout this year of 1965, increasing from 126 BOPD in December, 1964, to 265 BOPD in December, 1965. After injection was increased in February, 1966, production increased to approximately 300 BOPD in March, 1966, and stabilized at that level for the remainder of the year. During 1967, gradual improvement in oil production was apparent throughout the year, increasing from 328 BOPD in December, 1966, to 433 BOPD in September, 1967. This trend was continued in 1968 with production increasing from 466 BOPD in December, 1967, to 515 BOPD in September, 1968. By 1969, increasing water production and decreased oil production had reversed this trend. Despite installation of larger pumping equipment, oil production had decreased to 412 BOPD in August, 1969; to 340 BOPD in September, 1970; to 316 BOPD in September, 1971; to 265 BOPD in September, 1972; to 208 BOPD in September, 1973; to 126 BOPD in September, 1974; to 69 BOPD in September, 1975, and to 82 BOPD in September 1976. Consolidation of producing facilities was completed in September, 1966, with installation of satellite test stations and a central battery with LACT unit. All unit production, except Tract 10, has been handled by the central battery since that time. The tank battery serving Tract 10 production was relocated in December, 1967, adjacent to the central battery to facilitate recycling of produced water.

DEVELOPMENT PLANS FOR 1977

Plans are to continue program of selective abandonment of uneconomical producers and surplus injectors to maintain economical operations.

Very truly yours,

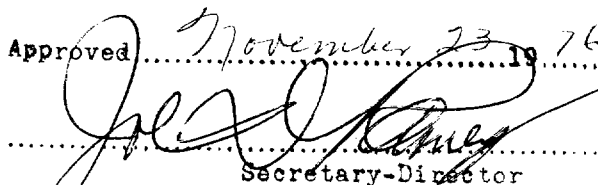
SKELLY OIL COMPANY



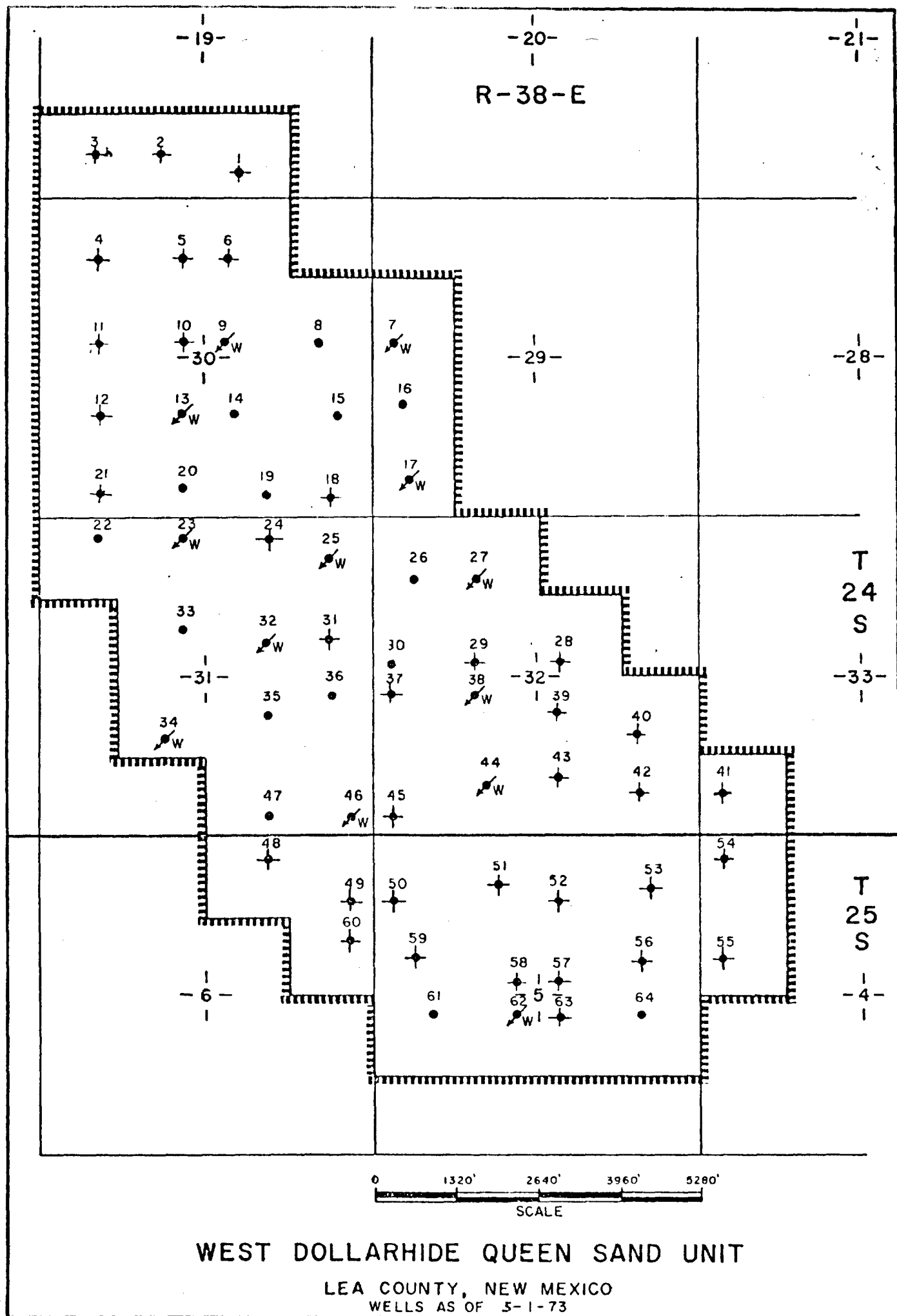
Leland Franz, Chairman
Working Interest Owners' Committee

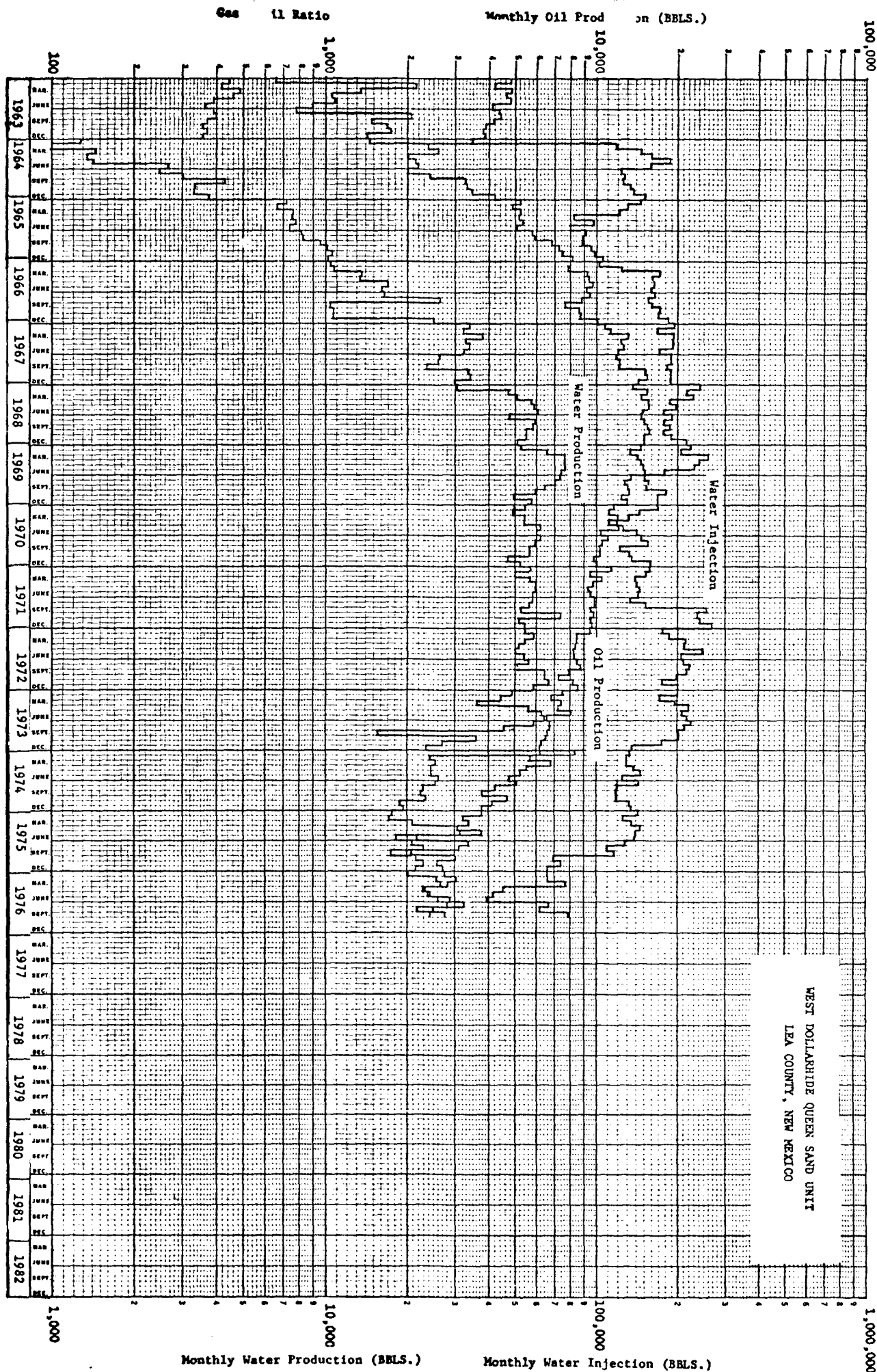
OVS/slw
Attachment

Approved November 23, 1976


Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION





P. O. Drawer 1857
Roswell, New Mexico 88201

March 2, 1976

Skelly Oil Company
Attention: Mr. Leland Franz
P. O. Box 1351
Midland, Texas 79701

Gentlemen:

The 1976 plan of development submitted for the West Dollarhide Queen unit area, Lea County, New Mexico, was approved on this date subject to like approval by the appropriate State officials.

Such plan proposes selective abandonment of uneconomical producers and surplus injectors to maintain economical operations, and two approved copies are enclosed.

It is requested that you provide this office with a copy of water-flood injection and production data in graphical form at your earliest convenience and include an updated copy of such graph with all subsequent plans of development.

Sincerely yours,

(ORIG. SGD) CARL C. TRAYWICK

CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

cc:
Hobbs (w/cy plan)
NMOCC, Santa Fe (1tr only) ← This Copy for
Com. Pub. Lands, Santa Fe (1tr only)

JAGillham:dlk

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

November 7, 1975

2674

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. Leland Franz

Re: 1976 Plan of Development,
West Dollarhide Queen
Sand Unit, Lea County,
New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the plan of development for the calendar year 1976 for the West Dollarhide Queen Sand Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Two approved copies of the plan are returned herewith.

Very truly yours,

JOE D. RAMEY
Secretary-Director

JDR/JEK/og

cc: United States Geological Survey - Roswell
Commissioner of Public Lands - Santa Fe



SKELLY OIL COMPANY

October 27, 1975

DOMESTIC EXPL. & PROD. DEPARTMENT

MIDLAND E & P DISTRICT

F. L. FRANZ, DISTRICT PRODUCTION MANAGER

M. J. EKMAN, DISTRICT ENGINEER

C. F. BOSECKER, LEAD RESERVOIR ENGINEER

F. J. PETRO, LEAD PRODUCTION ENGINEER

ADDRESS REPLY TO:
P. O. BOX 1351
MIDLAND, TEXAS 79701

File: West Dollarhide Queen Sand Unit
Lease No. 77212
Lea County, New Mexico

Director (4)
United States Geological Survey
P. O. Box Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Oil Conservation Commission of (3) All Working Interest Owners
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Gentlemen:

In accordance with Section 11 of the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, Lea County, New Mexico. Skelly Oil Company respectfully submits for your approval, a report of past operations and a plan of development and operation for the waterflood unit for the year 1976.

PAST OPERATIONS

The West Dollarhide Queen Sand Unit became effective January 1, 1963, and water injection was initiated on January 23, 1963, into Unit Wells No. 59 and 60. In January, 1964, work began to expand the pilot operation to a full-scale waterflood. On March 8, 1964, injection of water was initiated into the last of the 27 input wells and full-scale operation of the injection facilities began. Well No. 11 was converted to injection on August 3, 1969. In 1973, 13 injection wells were P&A and 2 wells were converted to production test, leaving 13 active injection wells.

Cumulative water injection into the unit area to October 1, 1975, was 23,418,409 barrels. Availability of water for injection was originally the limiting factor on injection rates; otherwise, injection operations were normal. To supplement the deficient Santa Rosa water supply, injection of produced water from the Fusselman and Ellenburger formations was commenced on February 13, 1966. Recycling of produced water from the Queen formation was commenced on September 15, 1966. In December, 1967, connection was made to Skelly's Jal Water System and use of Santa Rosa water was discontinued. The daily average injection rate for September, 1975, was 3,911 barrels at 1,500 psig.

October 27, 1975

Flood operations were not successful in the lower 1/3 of the Unit Area. Wells south of the row of wells from No. 34 through 40 experienced water breakthrough problems with recovery of virtually no secondary oil from this area. Approval was obtained to P&A 13 wells (6 injectors and 7 producers) in this area, and this work was performed in 1972. This was considered as the initial stage to restore profitable operations.

Performance of the northern and middle segments of the unit was evaluated for selective abandonment of uneconomical producers and surplus injectors in these areas, and 17 wells were P&A in 1973. P&A of 5 additional wells was performed in late 1973 and early 1974, leaving 15 active producers.

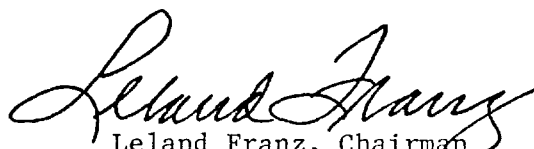
Cumulative oil production from the Unit Area since unitization was 1,286,481 barrels on October 1, 1975. Response to injection was first noted in February, 1965, when production increased from 126 BOPD to 176 BOPD. Gradual improvement in oil production was apparent throughout this year of 1965, increasing from 126 BOPD in December, 1964, to 265 BOPD in December, 1965. After injection was increased in February, 1966, production increased to approximately 300 BOPD in March, 1966, and stabilized at that level for the remainder of the year. During 1967, gradual improvement in oil production was apparent throughout the year, increasing from 328 BOPD in December, 1966, to 433 BOPD in September, 1967. This trend was continued in 1968 with production increasing from 466 BOPD in December, 1967, to 515 BOPD in September, 1968. By 1969, increasing water production and decreased oil production had reversed this trend. Despite installation of larger pumping equipment, oil production had decreased to 412 BOPD in August, 1969; to 340 BOPD in September, 1970; to 316 BOPD in September, 1971; to 265 BOPD in September, 1972; to 208 BOPD in September, 1973; to 126 BOPD in September, 1974; and to 69 BOPD in September, 1975. Consolidation of producing facilities was completed in September, 1966, with installation of satellite test stations and a central battery with LACT unit. All unit production, except Tract 10, has been handled by the central battery since that time. The tank battery serving Tract 10 production was relocated in December, 1967, adjacent to the central battery to facilitate recycling of produced water.

DEVELOPMENT PLANS FOR 1976

Plans are to continue program of selective abandonment of uneconomical producers and surplus injectors to maintain economical operations.

Very truly yours,

SKELLY OIL COMPANY



Leland Franz, Chairman

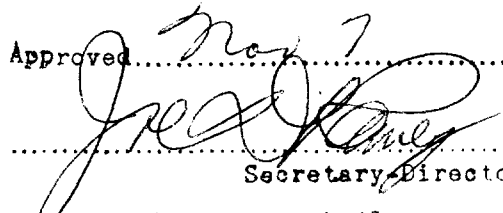
Working Interest Owners' Committee

OVS/ss

Attachment

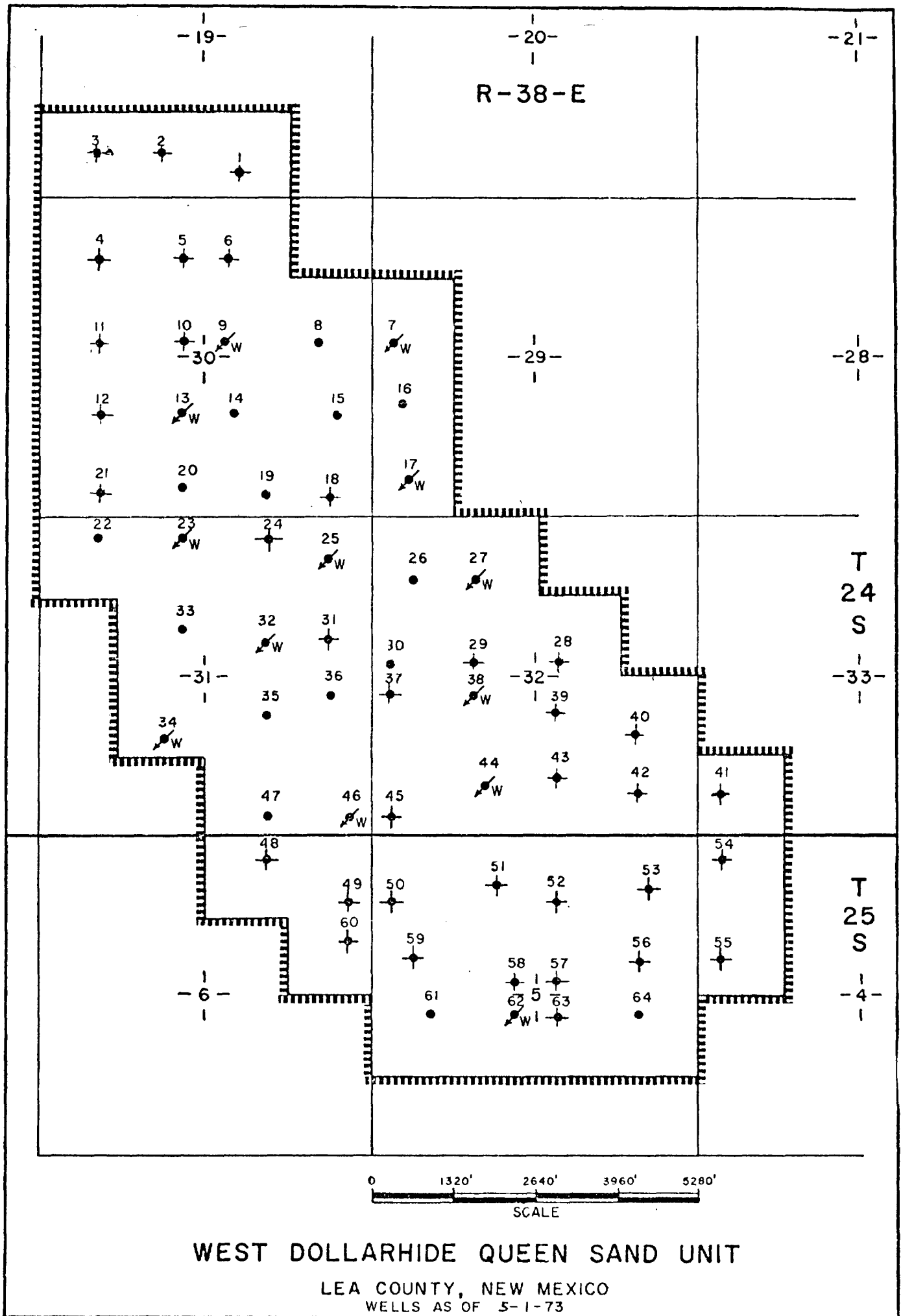
Approved.....

1975



Secretary Director

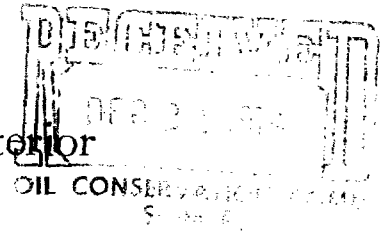
NEW MEXICO OIL CONSERVATION COMMISSION





United States Department of the Interior

GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico 88201



December 20, 1974

2674

Skelly Oil Company
Attention: Mr. Leland Franz
P.O. Box 1351
Midland, Texas 79701

Gentlemen:

Four approved copies of your 1975 plan of development for the West Dollarhide Queen unit area, Lea County, New Mexico, are enclosed. Such plan, proposing to continue waterflood operations with a program of selective abandonment of uneconomical producers and surplus injectors, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SCD) CARL C. TRAYWICK

CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

cc:

- ✓ NMOCC, Santa Fe (ltr only)
- Com. Pub. Lands, Santa Fe (ltr only)
- Hobbs (w/cy plan)

JAGillham:ds

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE NEW MEXICO 87501

2672

December 5, 1974

C
O
P
Y

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. Leland Franz

Re: 1975 Plan of Operation,
West Dollarhide Queen Sand
Unit, Lea County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the plan of development and operation for the year 1975 for the West Dollarhide Queen Sand Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Two approved copies of the plan are returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey
Box 1857
Roswell, New Mexico

Commissioner of Public Lands
Santa Fe, New Mexico



SKELLY OIL COMPANY

November 8, 1974

DOMESTIC EXPL. & PROD. DEPARTMENT

MIDLAND E & P DISTRICT

F. L. FRANZ, DISTRICT PRODUCTION MANAGER

M. J. EKMAN, DISTRICT ENGINEER

F. J. HENSLEY, LEAD RESERVOIR ENGINEER

F. J. PETRO, LEAD PRODUCTION ENGINEER

File: West Dollarhide Queen Sand Unit
Lease No. 77212
Lea County, New Mexico

ADDRESS REPLY TO:
P. O. BOX 1351
MIDLAND, TEXAS 79701

Director (6)
United States Geological Survey
P. O. Box Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Oil Conservation Commission of (3) All Working Interest Owners
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Gentlemen:

In accordance with Section 11 of the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, Lea County, New Mexico. Skelly Oil Company respectfully submits for your approval, a report of past operations and a plan of development and operation for the waterflood unit for the year 1975.

PAST OPERATIONS

The West Dollarhide Queen Sand Unit became effective January 1, 1963, and water injection was initiated on January 23, 1963, into Unit Wells No. 59 and 60. In January, 1964, work began to expand the pilot operation to a full-scale waterflood. On March 8, 1964, injection of water was initiated into the last of the 27 input wells and full-scale operation of the injection facilities began. Well No. 11 was converted to injection on August 3, 1969. In 1973, 13 injection wells were P&A and 2 wells were converted to production test, leaving 13 active injection wells.

Cumulative water injection into the unit area to October 1, 1974, was 21,838,441 barrels. Availability of water for injection was originally the limiting factor on injection rates; otherwise, injection operations were normal. To supplement the deficient Santa Rosa water supply, injection of produced water from the Fusselman and Ellenburger formations was commenced on February 13, 1966. Recycling of produced water from the Queen formation was commenced on September 15, 1966. In December, 1967, connection was made to Skelly's Jal Water System and use of Santa Rosa water was discontinued. The daily average injection rate for September, 1974, was 3,975 barrels at 1,500 psig.

November 8, 1974

Flood operations were not successful in the lower 1/3 of the Unit Area. Wells south of the row of wells from No. 34 through 40 experienced water breakthrough problems with recovery of virtually no secondary oil from this area. Approval was obtained to P&A 13 wells (6 injectors and 7 producers) in this area, and this work was performed in 1972. This was considered as the initial stage to restore profitable operations.

Performance of the northern and middle segments of the unit was evaluated for selective abandonment of uneconomical producers and surplus injectors in these areas, and 17 wells were P&A in 1973. P&A of 5 additional wells was performed in late 1973 and early 1974.

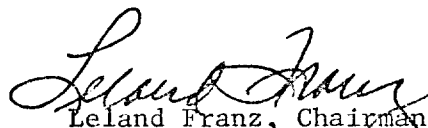
Cumulative oil production from the Unit Area since unitization was 1,245,887 barrels on October 1, 1974. Response to injection was first noted in February, 1965, when production increased from 126 BOPD to 176 BOPD. Gradual improvement in oil production was apparent throughout this year of 1965, increasing from 126 BOPD in December, 1964, to 265 BOPD in December, 1965. After injection was increased in February, 1966, production increased to approximately 300 BOPD in March, 1966, and stabilized at that level for the remainder of the year. During 1967, gradual improvement in oil production was apparent throughout the year, increasing from 328 BOPD in December, 1966, to 433 BOPD in September, 1967. This trend was continued in 1968 with production increasing from 466 BOPD in December, 1967, to 515 BOPD in September, 1968. By 1969, increasing water production and decreased oil production had reversed this trend. Despite installation of larger pumping equipment, oil production had decreased to 412 BOPD in August, 1969; to 340 BOPD in September, 1970; to 316 BOPD in September, 1971; to 265 BOPD in September, 1972; to 208 BOPD in September, 1973; and to 126 BOPD in September, 1974. Consolidation of producing facilities was completed in September, 1966, with installation of satellite test stations and a central battery with LACT unit. All unit production, except Tract 10, has been handled by the central battery since that time. The tank battery serving Tract 10 production was relocated in December, 1967, adjacent to the central battery to facilitate recycling of produced water.

DEVELOPMENT PLANS FOR 1975

Plans are to continue program of selective abandonment of uneconomical producers and surplus injectors to maintain economical operations.

Very truly yours,

SKELLY OIL COMPANY



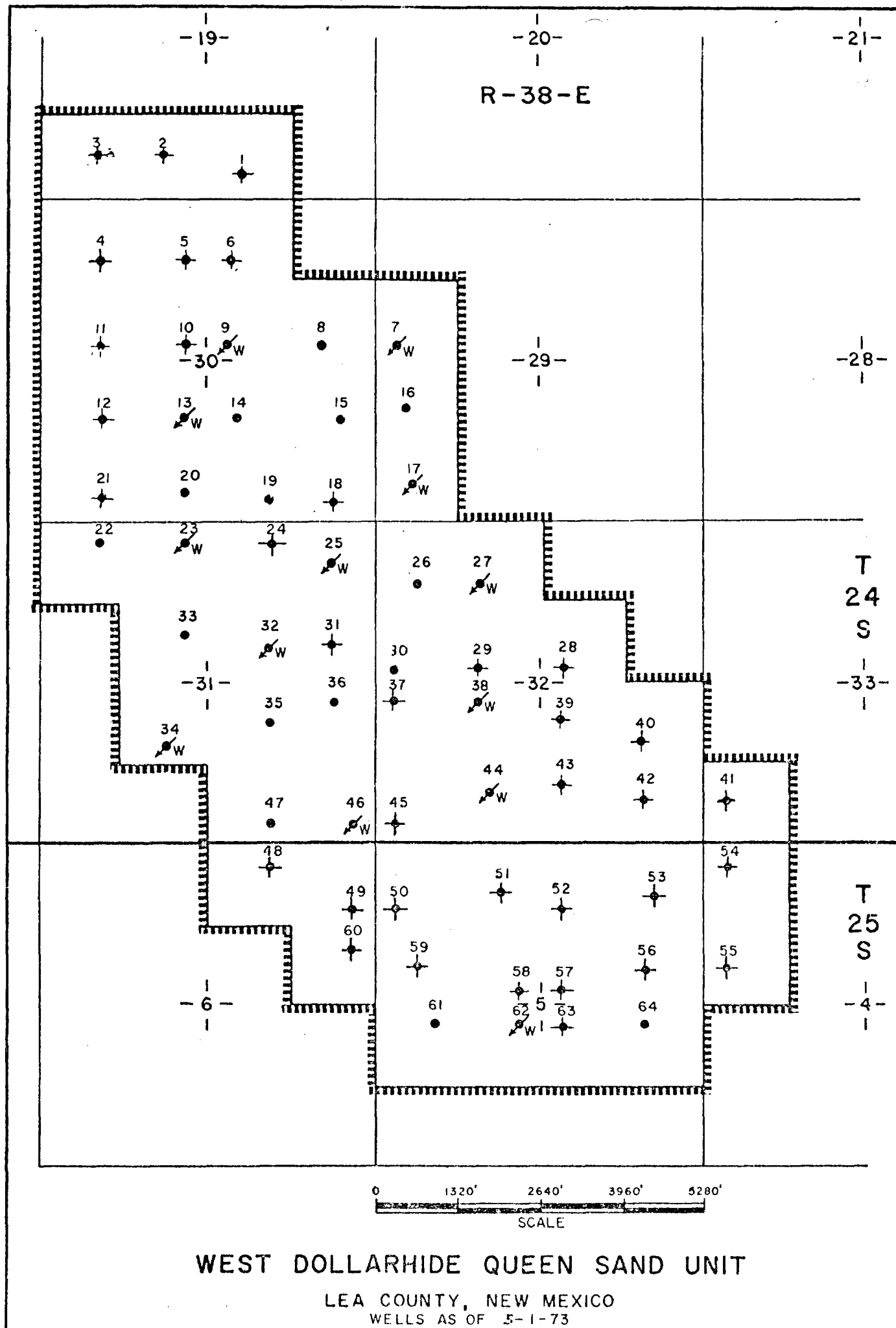
Leland Franz, Chairman
Working Interest Owners' Committee

OVS/ss
Attachment

Approved December 5 1974

.....
Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION



November 19, 1974

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Re: West Dollarhide Queen Sand Unit
Lea County, New Mexico

ATTENTION: Mr. Leland Frans

Gentlemen:

The Commissioner of Public Lands has this date approved your Plan of Development and Operation for the year 1975, for the West Dollarhide Queen Sand Unit, Lea County, New Mexico. You plan to continue program of selective abandonment of uneconomical producers and surplus injectors to maintain economical operations. This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy is enclosed herewith.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

RAY D. GRAHAM, Director
Oil and Gas Department

AJA/RDG/s

encl.

cc: USGS-Roswell, New Mexico
OCC- Santa Fe, New Mexico ✓

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 17, 1974

2672

C
O
P
Y

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. C. J. Love

Re: 1974 Plan of Development,
West Dollarhide Queen
Sand Unit, Lea County,
New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Plan of Development for the calendar year 1974 for the West Dollarhide Queen Sand Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Two approved copies of the plan are returned herewith.

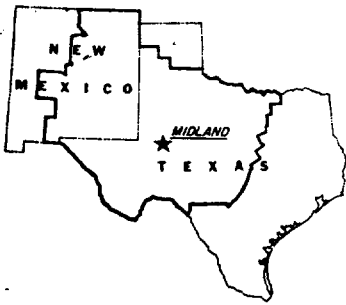
Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey
Roswell, New Mexico

Commissioner of Public Lands
Santa Fe, New Mexico



SKELLY OIL COMPANY

November 2, 1973

EXPLORATION & PRODUCTION DEPARTMENT
WEST CENTRAL DISTRICT

ADDRESS REPLY TO:
P. O. BOX 1351
MIDLAND, TEXAS 79701

A. B. CARY, EXPLORATION & PRODUCTION MANAGER
V. E. BARTLETT, EXPLORATION MANAGER
C. J. LOVE, PRODUCTION MANAGER
J. R. AVENT, ADMINISTRATIVE COORDINATOR

File: West Dollarhide Queen Sand Unit
Lease No. 77212
Lea County, New Mexico

Director (6)
United States Geological Survey
P. O. Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 11 of the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, Lea County, New Mexico. Skelly Oil Company respectfully submits for your approval, a report of past operations and a plan of development and operation for the waterflood unit for the year 1974.

PAST OPERATIONS

The West Dollarhide Queen Sand Unit became effective January 1, 1963, and water injection was initiated on January 23, 1963, into Unit Wells No. 59 and 60. In January, 1964, work began to expand the pilot operation to a full-scale waterflood. On March 8, 1964, injection of water was initiated into the last of the 27 input wells and full-scale operation of the injection facilities began. Well No. 11 was converted to injection on August 3, 1969. In 1973 13 injection wells were P&A and 2 wells were converted to production test, leaving 13 active injection wells.

Cumulative water injection into the unit area to October 1, 1973, was 20,097,313 barrels. Availability of water for injection was originally the limiting factor on injection rates; otherwise, injection operations were normal. To supplement the deficient Santa Rosa water supply, injection of produced water from the Fusselman and Ellenburger formations was commenced on February 13, 1966. Recycling of produced water from the Queen formation was commenced on September 15, 1966. In December, 1967, connection was made to Skelly's Jal Water System and use of Santa Rosa water was discontinued. The daily average injection rate for September, 1973, was 6,775 barrels at 1,700 psig.

November 2, 1973

Flood operations were not successful in the lower 1/3 of the Unit Area. Wells south of the row of wells from No. 34 through 40 experienced water breakthrough problems with recovery of virtually no secondary oil from this area. Approval was obtained to P&A 13 wells (6 injectors and 7 producers) in this area, and this work was performed in 1972. This was considered as the initial stage to restore profitable operations.

Performance of the northern and middle segments of the unit was evaluated for selective abandonment of uneconomical producers and surplus injectors in these areas, and 17 wells were P&A in 1973 to date. P&A of 6 additional wells has been recommended.

Cumulative oil production from the Unit Area since unitization was 1,584,478 barrels on October 1, 1973. Response to injection was first noted in February, 1965, when production increased from 126 BOPD to 176 BOPD. Gradual improvement in oil production was apparent throughout this year of 1965, increasing from 126 BOPD in December, 1964, to 265 BOPD in December, 1965. After injection was increased in February, 1966, production increased to approximately 300 BOPD in March, 1966, and stabilized at that level for the remainder of the year. During 1967, gradual improvement in oil production was apparent throughout the year, increasing from 328 BOPD in December, 1966, to 433 BOPD in September, 1967. This trend was continued in 1968 with production increasing from 466 BOPD in December, 1967, to 515 BOPD in September, 1968. By 1969, increasing water production and decreased oil production had reversed this trend. Despite installation of larger pumping equipment, oil production had decreased to 412 BOPD in August, 1969, to 340 BOPD in September, 1970, to 316 BOPD in September, 1971, to 265 BOPD in September, 1972, and to 208 BOPD in September, 1973. Consolidation of producing facilities was completed in September, 1966, with installation of satellite test stations and a central battery with LACT unit. All unit production, except Tract 10, has been handled by the central battery since that time. The tank battery serving Tract 10 production was relocated in December, 1967, adjacent to the central battery to facilitate recycling of produced water.

DEVELOPMENT PLANS FOR 1974

Plans are to continue program of selective abandonment of uneconomical producers and surplus injectors to reduce unit to economical operations.

Very truly yours,

SKELLY OIL COMPANY

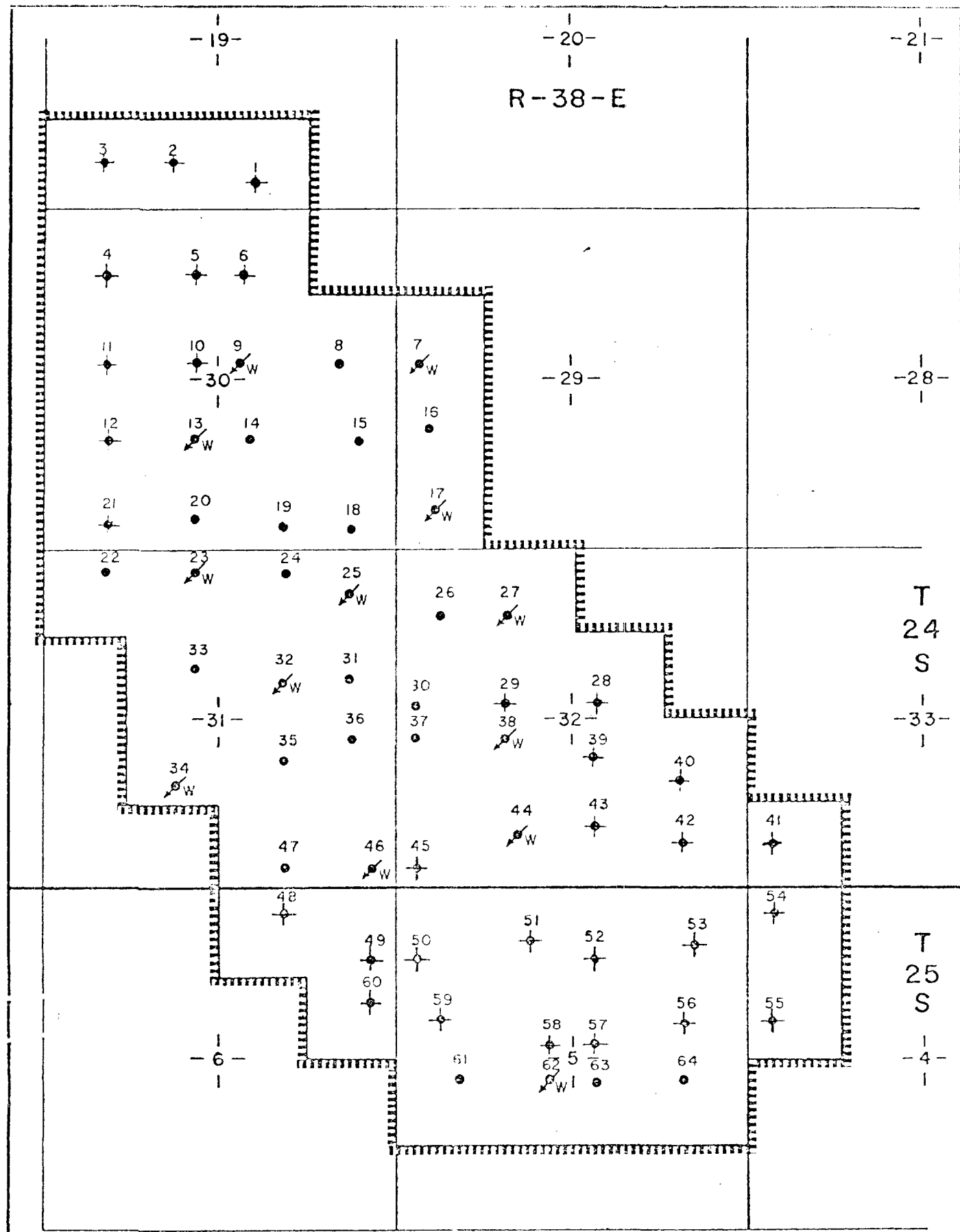
C. J. Love

C. J. Love, Chairman
Working Interest Owners' Committee

OVS/rc
Attachment

Approved *January 17 1974*

A. H. Porter
Secretary-Director



WEST DOLLARHIDE QUEEN SAND UNIT

LEA COUNTY, NEW MEXICO
WELLS AS OF 5-1-73



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

December 21, 1973

Skelly Oil Company
Attention: Mr. C. J. Love
P.O. Box 1351
Midland, Texas 79701

Gentlemen:

On this date, your 1974 plan of development and operation for the West Dollarhide Queen unit area, Lea County, New Mexico, in which you propose to continue waterflood operations while conducting an efficiency evaluation program to selectively abandon uneconomical producing and surplus water injection wells, was approved. Such approval is subject to like approval by the appropriate officials of the State of New Mexico.

Four approved copies of the plan are enclosed.

Sincerely yours,

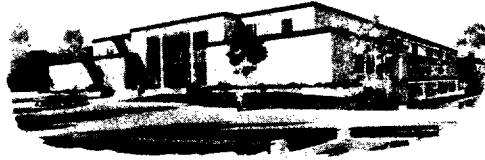
CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

cc:
✓ NMOCC, Santa Fe (ltr only)
Com. Pub. Lands, Santa Fe (ltr only)
Hobbs (w/cy plan)

JAGillham:ds

State of New Mexico

TELEPHONE
505-827-2748



Commissioner of Public Lands

November 12, 1973

ALEX J. ARMIJO
COMMISSIONER

P. O. Box 1148
SANTA FE, NEW MEXICO

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Re: West Dollarhide Queen Sand Unit
Lea County, New Mexico

ATTENTION: Mr. C. J. Love

Gentlemen:

This is to advise that the Commissioner of Public Lands has this date approved the plan of development and operation for 1974 for the West Dollarhide Queen Sand Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy is enclosed herewith. Your Three (\$3.00) Dollar filing fee has been received.

Very truly yours,

RAY D. GRAHAM, Director
Oil and Gas Department

AJA/RDG/s
encl.

cc: USGS-Roswell, New Mexico
OCC- Santa Fe, New Mexico ✓

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

March 9, 1973

2672

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. C. J. Love

Re: 1973 Revised Plan of Operations
West Dollarhide Queen Sand Unit,
Lea County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Revised Plan of Operations dated February 21, 1973, for the West Dollarhide Queen Sand Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Two approved copies of the plan are returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey
Roswell, New Mexico

Commissioner Of Public Lands
Santa Fe, New Mexico

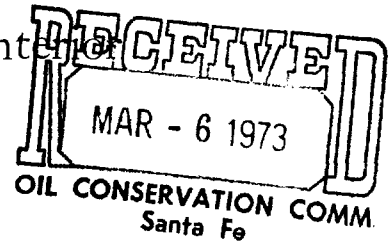
C
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United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201



March 5, 1973

Skelly Oil Company
Attention: Mr. C. J. Love
P.O. Box 1351
Midland, Texas 79701

Gentleman:

Three approved copies of your revised 1973 plan of development and operation for the West Dollarhide Queen Sand unit area, Lea County, New Mexico, are enclosed. Such plan proposes to improve operating efficiency by plugging and abandoning 17 uneconomical wells, 7 injection and 10 producing, which are located in the northwest and middle east flanks of the unit area. Waterflood operations are to be continued in the middle and upper segments of the unit area using a peripheral type injection pattern. Approval of subject plan was made on this date conditioned upon like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

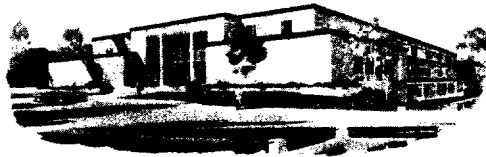
(ORIGINAL FILED IN 100-100000-100000)

CARL C. TRAYWICK
Acting Area Oil & Gas Supervisor

cc:
Regional Mgr., Denver (ltr only)
Washington (w/cy plan)
Hobbs (w/cy plan)
NMOCC, Santa Fe (ltr. only)
Com. Pub. Lands, Santa Fe (ltr only)

JAGillham:ds

State of New Mexico



Commissioner of Public Lands

March 1, 1973

ALEX J. ARMIJO
COMMISSIONER



P. O. Box 1148
SANTA FE, NEW MEXICO

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Re: West Dollarhide Queen Sand Unit
Revised Plan of Development for
the year 1973
Lea County, New Mexico

ATTENTION: Mr. C. J. Love

Gentlemen:

The Commissioner of Public Lands has this date approved your revised plan of development and operation for the West Dollarhide Queen Sand Unit for the year 1973. This revised plan proposes the following:

1. Terminate flood operations in areas of the flood unit which has not been responsive to injection. This would be accomplished by abandoning injection into Wells Nos. 1, 3, 5, 11, 15, 19, 21, 28 and 42.
2. Plug and abandon wells no longer needed for flood operations. This includes injection Well Nos. 1, 3, 5, 11, 21, 28, and 42; and producing Well Nos. 2, 6, 10, 12, 29, 39, 40, 43, 57, and 58.
3. Convert injection Well Nos. 15 and 19 to production test service.

This approval is subject to like approval by the United States Geological Survey.

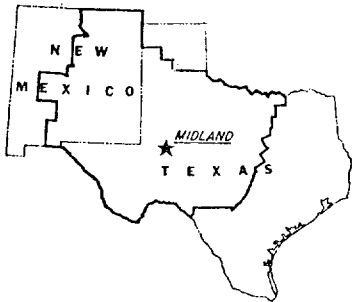
One approved copy is enclosed herewith. Your Three (\$3.00) Dollar filing fee has been received.

Very truly yours,

RAY D. GRAHAM, Director
Oil and Gas Department

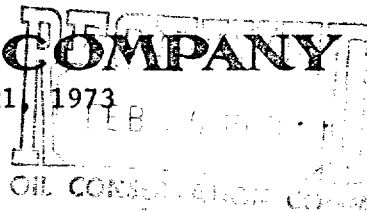
AJA/RDG/s
encls.
cc:

USGS-Roswell, New Mexico (cpy of ltr. only)
OCC- Santa Fe, New Mexico (cpy of ltr. only)



SKELLY OIL COMPANY

February 21, 1973



EXPLORATION & PRODUCTION DEPARTMENT
WEST CENTRAL DISTRICT

A. B. CARY, EXPLORATION & PRODUCTION MANAGER
V. E. BARTLETT, EXPLORATION MANAGER
C. J. LOVE, PRODUCTION MANAGER
J. R. AVENT, ADMINISTRATIVE COORDINATOR

ADDRESS REPLY TO:
P. O. BOX 1351
MIDLAND, TEXAS 79701

File: West Dollarhide Queen Sand Unit
Lease No. 77212
Lea County, New Mexico

Director (6)
United States Geological Survey
P. O. Box Drawer 1857
Roswell, New Mexico 88201

Commission of Public Lands (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Gentlemen:

In accordance with Section 11 of the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, Lea County, New Mexico, Skelly Oil Company respectfully submits for your approval a revised plan of development and operation for this waterflood unit for 1973. Working Interest Owner approval for this revision has been received.

Past Operations:

The West Dollarhide Queen Sand Unit became effective January 1, 1963, and pilot injection was started January 23, 1963, into Unit Well Nos. 59 and 60. In January, 1964, expansion to full-scale waterflood was initiated with completion in March, 1964. Well No. 11 was converted to injection in August, 1969, to complete the flood pattern.

Response to injection was first noted in February, 1965. Production gradually increased to peak value of 515 BOPD in September, 1968, and decreased thereafter (as water production increased) to the present value of approximately 270 BOPD.

Flood operations were not successful in the lower 1/3 of the unit area, and 13 wells (6 injectors and 7 producers) were plugged and abandoned

in 1972 as an initial step to restore profitable operations. Selective abandonment of 17 additional wells (in areas which have not been responsive to flood operations) is now proposed to continue this program and enhance profit position. Abandonment of these additional wells is projected to reduce direct operating expense by an additional \$2,500 per month. Daily production loss will be approximately 7 BOPD.

The middle portion of the unit (with peripheral type injection) has produced and is producing the bulk of the secondary oil for this unit. Performance of this area of the flood is considered indicative of the advantage of peripheral treatment of injection in this reservoir over the more closely spaced five-spot pattern employed elsewhere in the unit area. We propose to keep this area intact. The east flank area, adjacent to this middle segment, has shown no response to flood. Injection Well Nos. 28 and 42 have exhibited reasonable injection rates, but offsetting producers have recovered only water. We propose to abandon Well Nos. 28, 29, 39, 40, 42, and 43 from this area.

The northern area of the unit is divided into three distinct segments by performance. The north and west flank segments have exhibited very poor response to flood operations; with tight inefficient injection wells and uneconomical producers. Attempts to develop and maintain effective injection rates in this area have been unsuccessful. We propose to abandon Well Nos. 1, 2, 3, 5, 6, 10, 11, 12, and 21 from this area. The remainder of the northern area (which we have designated as the Upper Segment) has shown good response and is making a significant contribution to unit production. Based on evaluation of the middle portion of the unit, we believe that conversion to a peripheral type treatment of injection for the Upper Segment will enhance recovery. We propose to abandon injection into Well Nos. 15 and 19, and utilize peripheral treatment of injection in this area of the reservoir. Recoveries from Well Nos. 18 and 24 have been exceptional but these wells have now watered out. Injection from Well No. 19 is considered primarily responsible for present status of these two wells. It is proposed to convert Well Nos. 15 and 19 to production test wells. Well Nos. 15, 18, 19, and 24 would be utilized as production test wells to follow fluid movement in the Upper Segment after conversion to peripheral injection. These four wells would be returned to regular production status only if they become economical producers.

It is also proposed to plug and abandon Well Nos. 57 and 58 from the southern area. Earlier recommendation was to retain these wells for use in case injection into Well No. 62 gets ahead of productive capacity of Well Nos. 61, 63, and 64. Performance of these wells since that time indicates no further need for Well Nos. 57 and 58. Since cost of chemical treatment for these two wells have been abnormally high, we propose to abandon these wells at this time.

Revised Plan of Operations:

1. Terminate flood operations in areas of the flood unit which has not been responsive to injection. This would be accomplished by abandoning injection into Well Nos. 1, 3, 5, 11, 15, 19, 21, 28, and 42.

2. Plug and abandon wells no longer needed for flood operations.
This includes injection Well Nos. 1, 3, 5, 11, 21, 28, and 42;
and producing Well Nos. 2, 6, 10, 12, 29, 39, 40, 43, 57, and
58.
3. Convert injection Well Nos. 15 and 19 to production test service.

Very truly yours
SKELLY OIL COMPANY

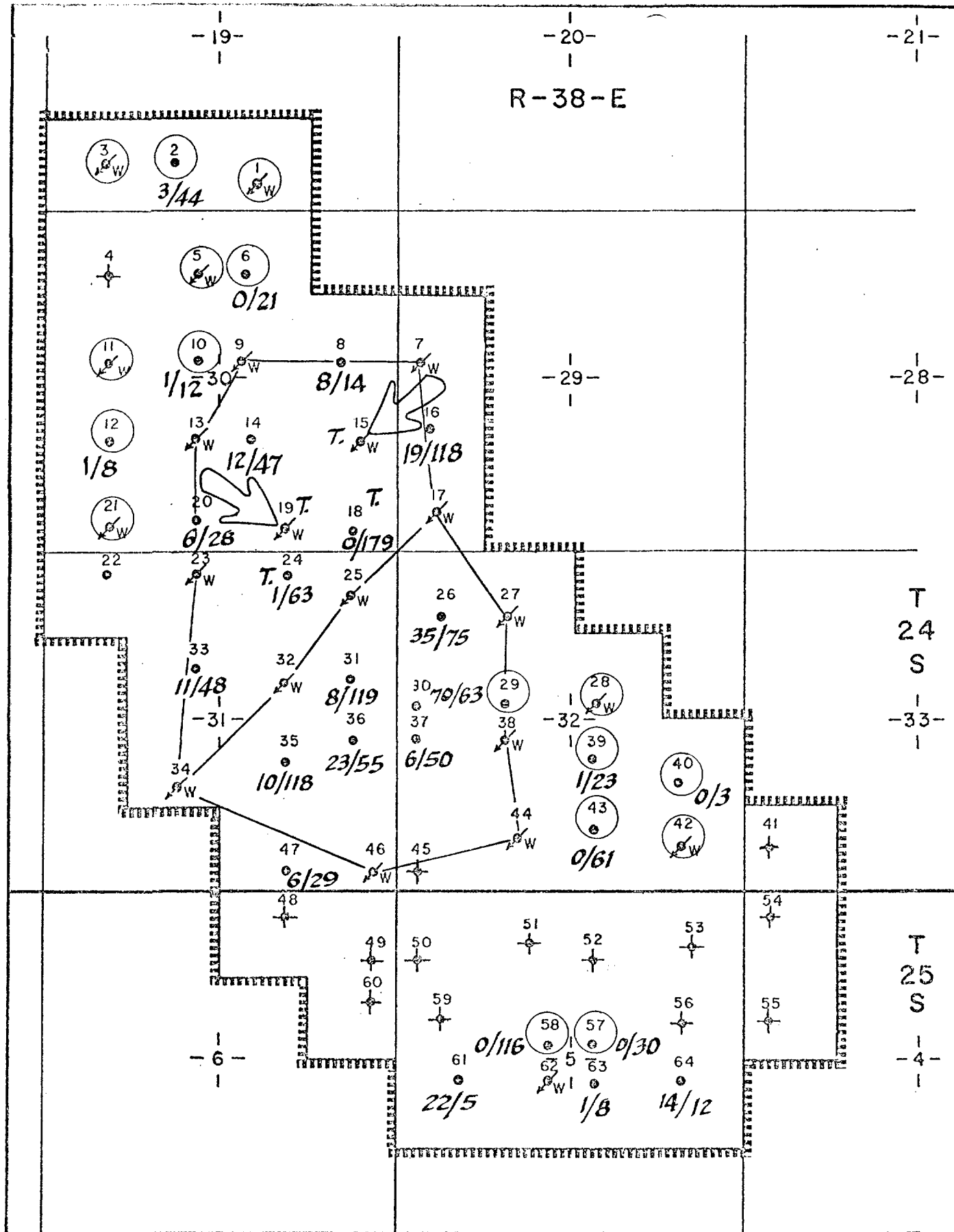
C. J. Love

C. J. Love, Chairman
Working Interest Owners Committee
West Dollarhide Queen Sand Unit

OVS/rc
Attach:

Approved *[Signature]* 19 *75*
A. H. Butler
Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION



268 BOPD
1410 BWPD

0 1320' 2640' 3960' 5280'
SCALE

DEC. 1972
WELL TEST

WEST DOLLARHIDE QUEEN SAND UNIT Oil/Water

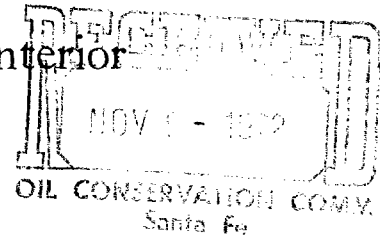
LEA COUNTY, NEW MEXICO
WELLS AS OF 1-1-73



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201



November 8, 1972

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. C. J. Love

Gentlemen:

Your 1973 plan of development and operation for the West Dollarhide Queen unit area, Lea County, New Mexico, has been approved on this date. Such plan proposes (1) to complete the approved program of selective abandonment of uneconomical producers and surplus injectors in the southern third of the unit area and (2) to present a revised plan for the continuation of waterflood operations following the completion of your current performance evaluation.

The Commissioner of Public Lands and the Oil Conservation Commission of the State of New Mexico have approved the plan on November 2, 1972. Three approved copies are enclosed herewith.

Sincerely yours,

(ORIG. SGD.) CARL C.

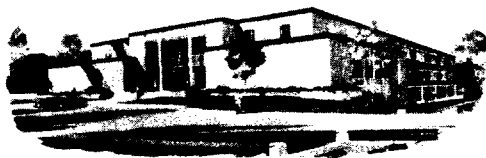
CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

cc:
Washington (w/cy plan)
Hobbs (w/cy plan)
NMOCC, Santa Fe (ltr. only) ✓
Com. of Pub. Lands, Santa Fe (ltr. only)

JAGillham:lh

State of New Mexico

TELEPHONE
305-927-2748



Commissioner of Public Lands

November 2, 1972

ALEX J. ARMIJO
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO

2672

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Re: West Dollarhide Queen Sand Unit
1973 Plan of Development
Lea County, New Mexico

ATTENTION: Mr. C. J. Love

Gentlemen:

The Commissioner of Public Lands has this date approved your 1973 Plan of Development and operation for the captioned unit, whereby you plan to continue program of selective abandonment of uneconomical producers and surplus injectors to reduce unit to economical operations with approximately 35 wells. Also, upon completion of evaluation of northern and middle areas, proposal for revision of flood pattern and abandonment of surplus wells will be considered. This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy is returned herewith.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

RAY D. GRAHAM, Director
Oil and Gas Department

AJA/RDC/s
encl.

cc: USGS-Roswell, New Mexico
OCC- Santa Fe, New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

November 2, 1972

Jim
2672

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. C. J. Love

Re: 1973 Plan of Development and
Operation, West Dollarhide Queen
Sand Unit, Lea County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the plan of development and operation for the year 1973 for the West Dollarhide Queen Sand Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

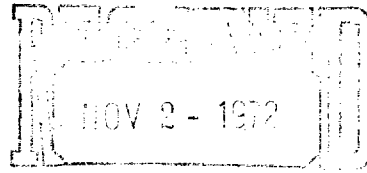
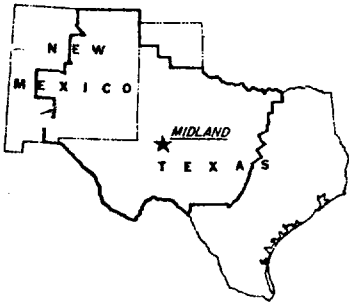
Two approved copies of the plan are returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey - Roswell
Commissioner of Public Lands - Santa Fe



SKELLY OIL COMPANY

EXPLORATION & PRODUCTION DEPARTMENT
WEST CENTRAL DISTRICT

November 1, 1972

ADDRESS REPLY TO:
P. O. BOX 1351
MIDLAND, TEXAS 79701

A. B. CARY, EXPLORATION & PRODUCTION MANAGER
V. E. BARTLETT, EXPLORATION MANAGER
C. J. LOVE, PRODUCTION MANAGER
J. R. AVENT, ADMINISTRATIVE COORDINATOR

Re: West Dollarhide Queen Sand Unit
Lea County, New Mexico

Director (6)
United States Geological Survey
P. O. Box Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 11 of the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, Lea County, New Mexico, Skelly Oil Company respectfully submits for your approval, a report of past operations and a plan of development and operation for the waterflood unit for the year 1973.

PAST OPERATIONS

The West Dollarhide Queen Sand Unit became effective January 1, 1963, and water injection was initiated on January 23, 1963, into Unit Wells No. 59 and 60. In January, 1964, work began to expand the pilot operation to a full-scale waterflood. On March 8, 1964, injection of water was initiated into the last of the 27 input wells and full-scale operation of the injection facilities began. During 1965, tubing strings of all 27 input wells were internally coated to minimize corrosive damage. Well No. 11 was converted to injection on August 3, 1969.

Cumulative water injection into the unit area to October 1, 1972, was 17,648,522 barrels. Availability of water for injection was originally the limiting factor on injection rates; otherwise, injection operations were normal. To supplement the deficient Santa Rosa water supply, injection of produced water from the Fusselman and Ellenburger formations was commenced on February 13, 1966. Recycling of produced water from the Queen formation was commenced on September 15, 1966. In December, 1967, connection was made to Skelly's Jal Water System and use of Santa Rosa water was discontinued. The daily average injection rate for September, 1972, was 7,254 barrels at 1,331 psig.

Flood operations were not successful in the lower 1/3 of the Unit Area. Wells south of the row of wells from No. 34 through 40 experienced water breakthrough problems with recovery of virtually no secondary oil from this area. Approval was obtained to P&A 13 wells (6 injectors and 7 producers) in this area, and this work will be underway in the near future with completion expected by the end of the year. This was considered as the initial stage to restore profitable operations.

Performance of the northern and middle segments of the unit is being evaluated for development of recommendations for selective abandonment of uneconomical producers and surplus injectors in these areas. This program will be diligently pursued in 1973 for most effective and economical operations of the flood unit.

Cumulative oil production from the Unit Area since unitization was 1,092,963 barrels on October 1, 1972. Response to injection was first noted in February, 1965, when production increased from 126 BOPD to 176 BOPD. Gradual improvement in oil production was apparent throughout this year of 1965, increasing from 126 BOPD in December, 1964, to 265 BOPD in December, 1965. After injection was increased in February, 1966, production increased to approximately 300 BOPD in March, 1966, and stabilized at that level for the remainder of the year. During 1967, gradual improvement in oil production was apparent throughout the year, increasing from 328 BOPD in December, 1966, to 433 BOPD in September, 1967. This trend was continued in 1968 with production increasing from 466 BOPD in December, 1967, to 515 BOPD in September, 1968. By 1969, increasing water production and decreased oil production had reversed this trend. Despite installation of larger pumping equipment, oil production had decreased to 412 BOPD in August, 1969, to 340 BOPD in September, 1970, to 316 BOPD in September, 1971, and to 265 BOPD in September, 1972. Consolidation of producing facilities was completed in September, 1966, with installation of satellite test stations and a central battery with LACT unit. All unit production, except Tract 10, has been handled by the central battery since that time. The tank battery serving Tract 10 production was relocated in December, 1967, adjacent to the central battery to facilitate recycling of produced water.

DEVELOPMENT PLANS FOR 1973

- (1) Plans are to continue program of selective abandonment of uneconomical producers and surplus injectors to reduce unit to economical operations with approximately 35 wells.
- (2) Upon completion of evaluation of northern and middle areas, proposal for revision of flood pattern and abandonment of surplus wells will be presented for consideration.

Approved

November 2, 1972
A. L. Peter
Secretary-Director

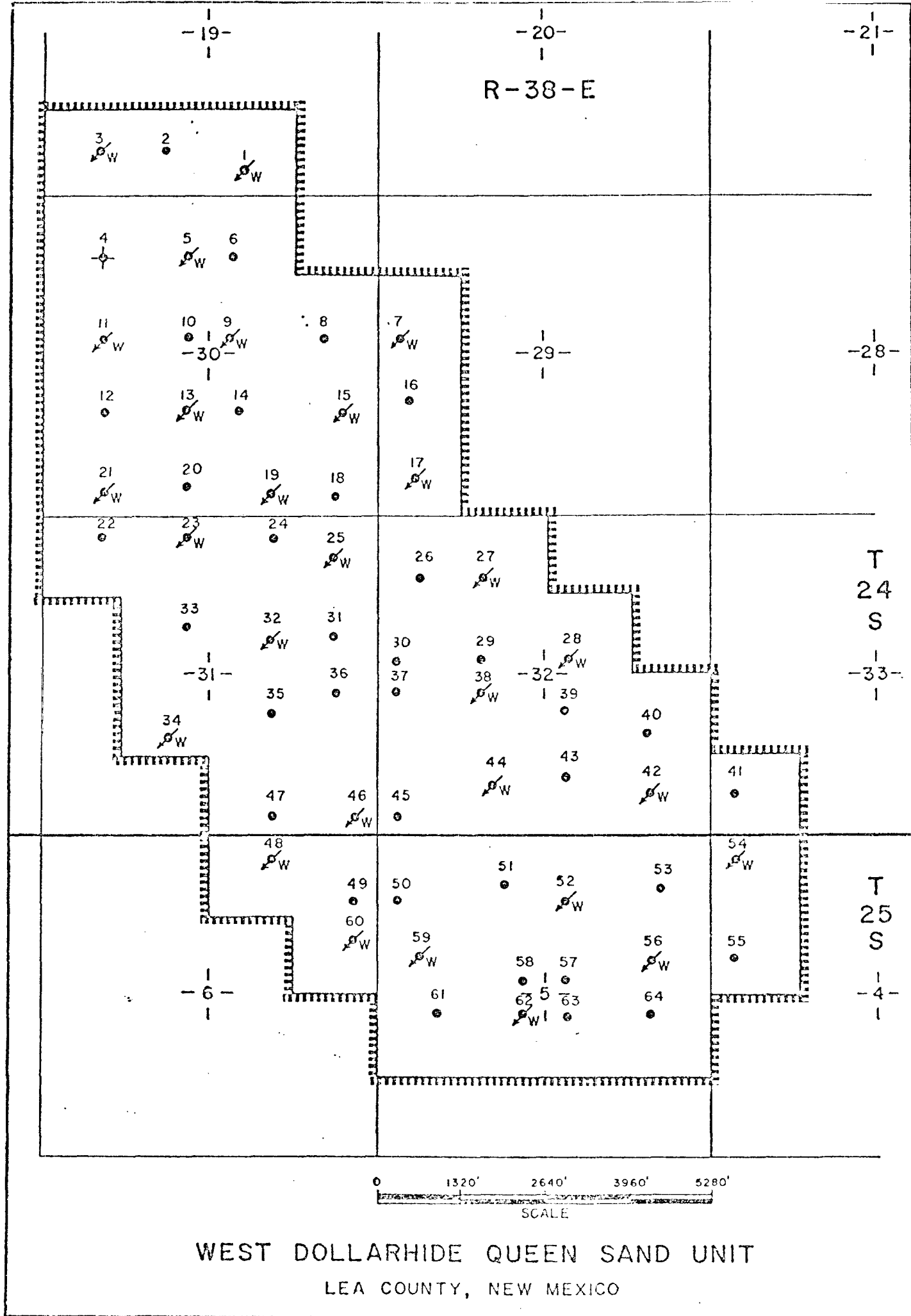
NEW MEXICO OIL CONSERVATION COMMISSION

Very truly yours,

SKELLY OIL COMPANY

C. J. Love

C. J. Love, Chairman
Working Interest Owners' Committee





United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

2672

October 4, 1972

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. C. J. Love

Gentlemen:

On this date, your revised plan of development for 1972 for the West Dollarhide Queen unit area, Lea County, New Mexico, wherein you propose to terminate water injection into six wells and plug and abandon seven producing wells in the southern third of the unit area thereby improving waterflood operation of the remaining unit wells, was approved. Such approval is subject to like approval by the appropriate officials of the State of New Mexico.

Two approved copies of the plan are enclosed.

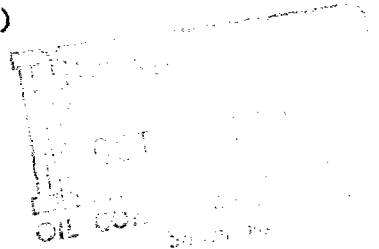
Sincerely yours,

(CSE)

N. O. FREDERICK
Area Oil and Gas Supervisor

cc:
Washington (w/cy plan)
Hobbs (w/cy plan)
NMOCC, Santa Fe (ltr. only) ✓
Com. of Pub. Lands, Santa Fe (ltr. only)

JAG:llham:lh



Jim

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

2672

September 22, 1972

C
O
P
Y

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. C. J. Love

Re: Revised Plan of Development
and Operation, West Dollarhide
Queen Sand Unit, Lea County,
New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the revised plan of development and operation for 1972 for the West Dollarhide Queen Sand Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Two approved copies of the plan are returned herewith.

Very truly yours,

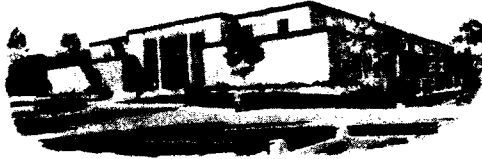
A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

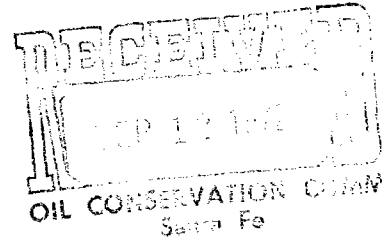
cc: Commissioner of Public Lands - Santa Fe
United States Geological Survey - Roswell

State of New Mexico

TELEPHONE
505-827-2742



Commissioner of Public Lands
September 8, 1972



ALEX J. ARMIJO
COMMISSIONER

P. O. BOX 114
SANTA FE, NEW M

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Re: West Dollardhide Queen Sand Unit
Revised 1972 Plan of Development
Lea County, New Mexico

ATTENTION: Mr. C. J. Love

Gentlemen:

The Commissioner of Public Lands has this date approved your plan of development and operation for the captioned unit, whereby you propose to abandon injection into wells No. 48, 52, 54, 56, 59 and 60, abandon producing wells No. 41, 45, 49, 50, 51, 53, and 55, and continue operations under revised flood pattern with the remaining wells. This approval is subject to like approval by the United States Geologic and the Oil Conservation Commission.

Please remit a three (\$3.00) Dollar filing fee.

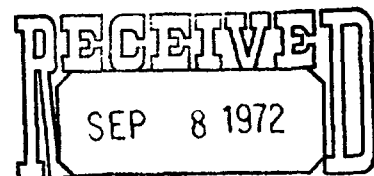
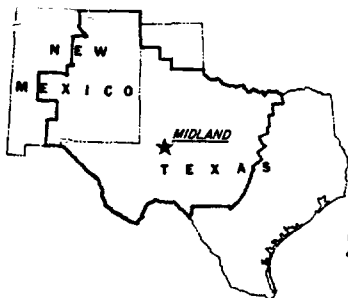
One approved copy is returned herewith.

Very truly yours

RAY D. GRAHAM.
Oil and Gas D

AJA/RDG/s
encl. 1

cc: USGS-Roswell, New Mexico
OCC- Santa Fe, New Mexico ✓



SKELLY OIL COMPANY

September 1, 1972

PL CONSERVATION COMM.
Santa Fe

EXPLORATION & PRODUCTION DEPARTMENT
WEST CENTRAL DISTRICT

A. B. CARY, EXPLORATION & PRODUCTION MANAGER
V. E. BARTLETT, EXPLORATION MANAGER
C. J. LOVE, PRODUCTION MANAGER
J. R. AVENT, ADMINISTRATIVE COORDINATOR

ADDRESS REPLY TO:
P. O. BOX 1351
MIDLAND, TEXAS 79701

File: West Dollarhide Queen Sand Unit
Lease No. 77212
Lea County, New Mexico

Director (6)
United States Geological Survey
P. O. Box Drawer 1857
Roswell, New Mexico 88201

Commission of Public Lands (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Gentlemen:

In accordance with Section 11 of the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, Lea County, New Mexico, Skelly Oil Company respectfully submits for your approval a revised plan of development and operation for this waterflood unit for 1972. Working Interest Owner approval for this revision has been received.

Past Operations

The West Dollarhide Queen Sand Unit became effective January 1, 1963 and pilot injection was started January 23, 1963 into Unit Wells No. 59 and 60. In January 1964 expansion to full-scale waterflood was initiated with completion in March, 1964. Well No. 11 was converted to injection in August, 1969.

Response to injection was first noted in February, 1965. Production gradually increased to peak value of 515 BOPD in September, 1968, and decreased thereafter (as water production increased) to the present value of approximately 280 BOPD. Flood operations have not been successful in the lower 1/3 of the unit area. Wells south of the row of wells from No. 34 through 40 have experienced water breakthrough problems. Except for Wells No. 61, 63, and 64 additional recovery in this

area has been virtually nil. With uneconomical operating costs on wells in this area of the reservoir, operating costs for the entire unit area have now become excessive. It is proposed to terminate flood operations in this area of the reservoir and abandon uneconomical wells to reduce operating expense and restore economical operations for this flood unit. This action should reduce operating expenses by \$2,000 per month with a loss of only 4 BOPD in production rates.

The southern area was pressured-up (by injection from 1964-69) resulting in high-volume water producers (with low oil-cut) which would flow when shut-in. Poor subsurface control of injected water was evidenced by water production from offset wells not completed in comparable intervals. Deepening operations in 1968 on Wells No. 10, 14, and 15 and additional perforating on Well No. 37 indicated good vertical communication between stringers in the Queen Sand interval. Cores from the lower $\frac{1}{2}$ of the Queen Sand interval in Well No. 15 indicated the presence of natural vertical fractures. These vertical fractures in the Queen Sand interval are considered responsible for the poor flood performance in the southern area. In late 1969 it was decided to treat this southern area as a unity in order to evaluate feasibility of peripheral injection. Injection was restricted in the interior of this area and production accelerated in an attempt to reduce fluid levels and improve oil-cut. Fluid levels were effectively reduced by this program, but improvements in oil-cut was not achieved.

During this period, it was observed that variations in injection rates on Well No. 48 had no apparent effect on the offsetting producer (Well No. 47) but were evident in performance of Wells No. 49 and 50. In March, 1972, tests were initiated to determine effects on offset producers by varying injection rates in Well No. 56. No response to these changes has been evident to date after six months injection at accelerated rates. This data is considered sufficient evidence that the southern area of the West Dollarhide Queen Sand Unit cannot be economically flooded.

Revised Plan of Operation

1. Terminate flood operations in the southern area of the unit area; except for injection Well No. 62 and affected producing wells. This would be accomplished by abandoning injection into Wells No. 48, 52, 54, 56, 59, and 60.
2. Plug and abandon wells no longer needed for flood operations. This includes the injection wells listed above and 7 producing wells (No. 41, 45, 49, 50, 51, 53, and 55). Wells No. 58 and 57 will be retained for use if injection into Well No. 62 gets ahead of productive capacity of producing Wells No. 61, 63, and 64.
3. Continue operations under revised flood pattern with remaining wells.

Approved *September 23, 1972*

A. H. Carter, Jr.
Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION

OVS/rc
Attachment

Very truly yours,
SKELLY OIL COMPANY

C. J. Love

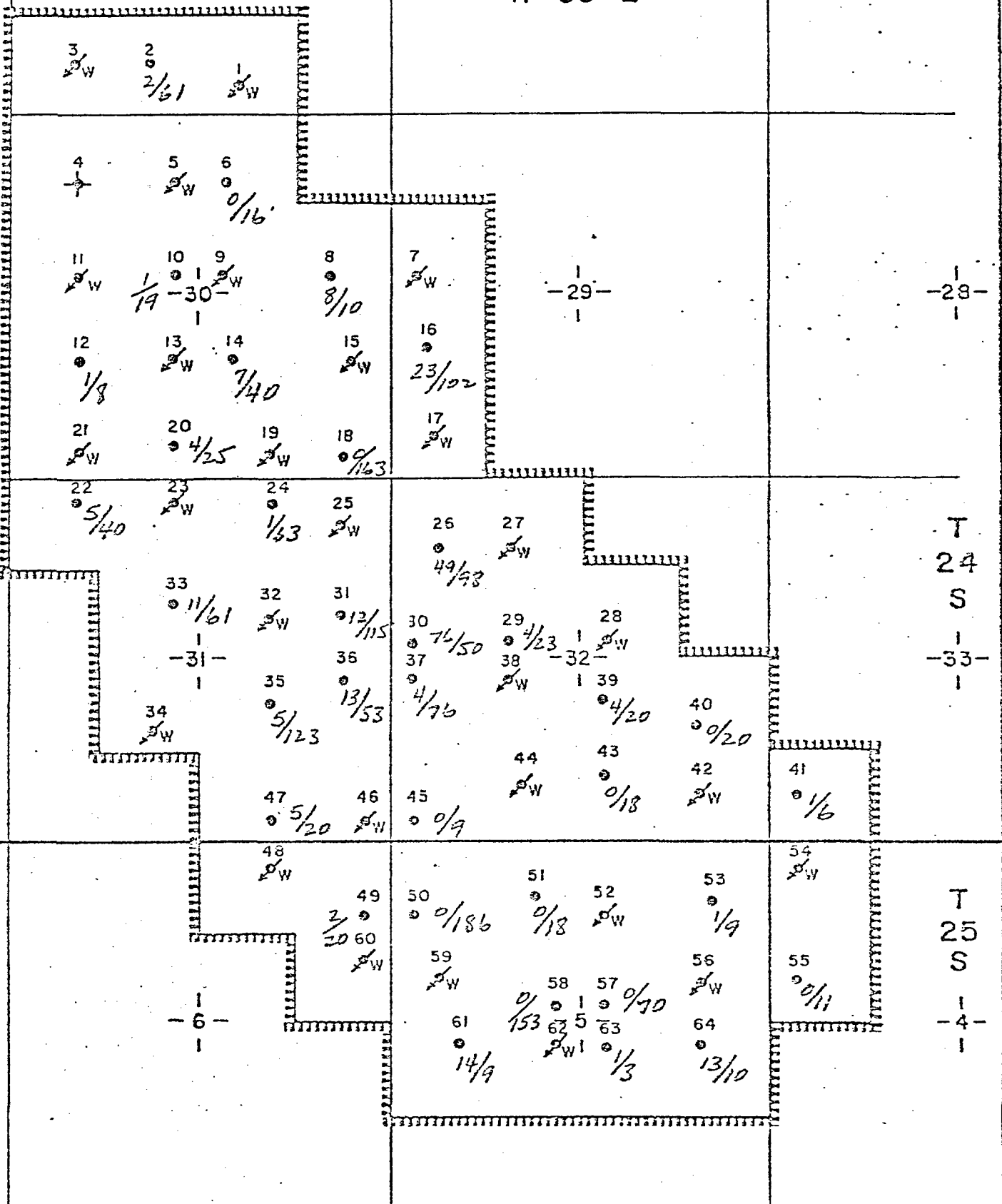
C. J. Love, Chairman
Working Interest Owners' Committee

-19-

-20-

-21-

R-38-E



267 BOPD
1710 BWPD

WEST DOLLARHIDE QUEEN SAND UNIT
LEA COUNTY, NEW MEXICO

MAY 1972
WELL TESTS
OIL/WATER

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 11, 1972

2672

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. C. J. Love

Re: 1972 Plan of Development
and Operation, West
Dollarhide Queen Sand
Unit, Lea County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1972 Plan of Development and Operation for the West Dollarhide Queen Sand Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Two approved copies of the plan are returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey - Roswell
Commissioner of Public Lands - Santa Fe

C
O
P
Y



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

RECEIVED
DEC 22 1971
OIL CONSERVATION COMM.
SANDHOLE

December 22, 1971

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. C. J. Love

Gentlemen:

Your 1972 plan of development and operation, proposing to continue operations under the present waterflood pattern, for the West Dollarhide Queen Sand unit area, Lea County, New Mexico, has been approved on this date subject to like approval by the appropriate State officials.

Three approved copies of the plan are enclosed.

Sincerely yours,

(ORIG. SGD.) CARL C. TRAYWICK

CARL C. TRAYWICK
Acting Oil and Gas Supervisor

cc:
Washington (w/cy of plan)
Hobbs (w/cy of plan)
NMOCC, Santa Fe (ltr. only) ✓
Com. of Pub. Lands, Santa Fe (ltr. only)

State of New Mexico



Commissioner of Public Lands

ALEX J. ARMIJO
COMMISSIONER

November 17, 1971

P. O. BOX 1148
SANTA FE, NEW MEXICO

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Re: West Dollarhide Queen Sand Unit
1972 Plan of Development
Lea County, New Mexico

ATTENTION: Mr. C. J. Love

Gentlemen:

The Commissioner of Public Lands has this date approved your 1972 Plan of Development dated November 1, 1971, for the captioned unit, proposing to continue operations under the present waterflood pattern and evaluation of the southern area. This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

Please remit a three (\$3.00) Dollar filing fee.

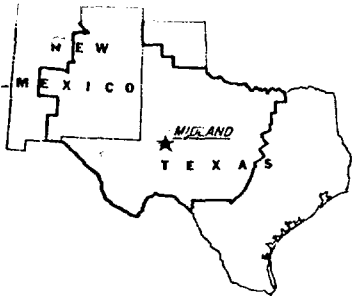
One approved copy is returned herewith.

Very truly yours,

AJA/RDG/s
encls.

cc: USGS-Roswell, New Mexico
OCC- Santa Fe, New Mexico

RAY D. GRAHAM, Director
Oil and Gas Department



RECEIVED

NOV 16 1971

SKELLY OIL COMPANY

CONSERVATION COMM.
SANTA FE

EXPLORATION & PRODUCTION DEPARTMENT
WEST CENTRAL DISTRICT

November 2, 1971

ADDRESS REPLY TO:
P. O. BOX 1351
MIDLAND, TEXAS 79701

C. J. LOVE, PRODUCTION MANAGER
B. A. STRICKLING, OPERATIONS SUPERINTENDENT
F. J. PETRO, DISTRICT PRODUCTION ENGINEER
J. D. MCCLAIN, DISTRICT RESERVOIR ENGINEER
K. E. BOHRER, OUTSIDE OPERATIONS SUPERVISOR

Re: West Dollarhide Queen Sand Unit
Lea County, New Mexico

Director (6)
United States Geological Survey
P. O. Box Drawer 1857
Roswell, New Mexico

Commissioner of Public Lands (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 11 of the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, Lea County, New Mexico, Skelly Oil Company respectfully submits for your approval, a report of past operations and a plan of development and operation for the waterflood unit for the year 1972.

PAST OPERATIONS

The West Dollarhide Queen Sand Unit became effective January 1, 1963, and water injection was initiated on January 23, 1963, into Unit Wells No. 59 and 60. In January, 1964, work began to expand the pilot operation to a full-scale waterflood. On March 8, 1964, injection of water was initiated into the last of the 27 input wells and full-scale operation of the injection facilities began. During 1965, tubing strings of all 27 input wells were internally coated to minimize corrosive damage. Well No. 11 was converted to injection on August 3, 1969.

Cumulative water injection into the unit area to October 1, 1971, was 14,996,901 barrels. Availability of water for injection was originally the limiting factor on injection rates; otherwise, injection operations were normal. To supplement the deficient Santa Rosa water supply, injection of produced water from the Fusselman and Ellenburger formations was commenced on February 13, 1966, at a rate of approximately 1800 BWPD. Recycling of produced water from the Queen formation was commenced on September 15, 1966. The daily average injection rate for September, 1971, was 8,470 barrels at 1371 psig. In December, 1967, connection was made to Skelly's Jal Water System and use of Santa Rosa water was discontinued.

Flood operations have not been successful in the lower 1/3 of the Unit Area. Wells south of the row of wells from No. 34 through 40 have experienced water breakthrough problems with recovery of virtually no secondary oil from this area to date.

Fracture communication between wells and possible directional injection aspects are now being studied. Change of pattern in this area to a completely peripheral treatment is being evaluated.

Cumulative oil production from the Unit Area since unitization was 987,228 barrels on October 1, 1971. Response to injection was first noted in February, 1965, when production increased from 126 BOPD to 176 BOPD. Gradual improvement in oil production was apparent throughout the year of 1965, increasing from 126 BOPD in December, 1964, to 265 BOPD in December, 1965. After injection was increased in February, 1966, production increased to approximately 300 BOPD in March, 1966, and stabilized at that level for the remainder of the year. During 1967, gradual improvement in oil production was apparent throughout the year, increasing from 328 BOPD in December, 1966, to 433 BOPD in September, 1967. This trend was continued in 1968 with production increasing from 466 BOPD in December, 1967, to 515 BOPD in September, 1968. By 1969, increasing water production and decreased oil production had reversed this trend. Despite installation of larger pumping equipment, oil production had decreased to 412 BOPD in August, 1969, to 340 BOPD in September, 1970, and to 316 BOPD in September, 1971. Consolidation of producing facilities was completed in September, 1966, with installation of satellite test stations and a central battery with LACT unit. All unit production, except Tract 10, has been handled by the central battery since that time. The tank battery serving Tract 10 production was relocated in December, 1967, adjacent to the central battery to facilitate recycling of produced water.

DEVELOPMENT PLANS FOR 1972

- (1) Plans are to continue operations under the present flood pattern in 1972 until evaluation of southern area can be completed.
- (2) Upon completion of evaluation, recommended changes in flood treatment for southern area will be presented for consideration.

Very truly yours,

SKELLY OIL COMPANY

C. J. Love

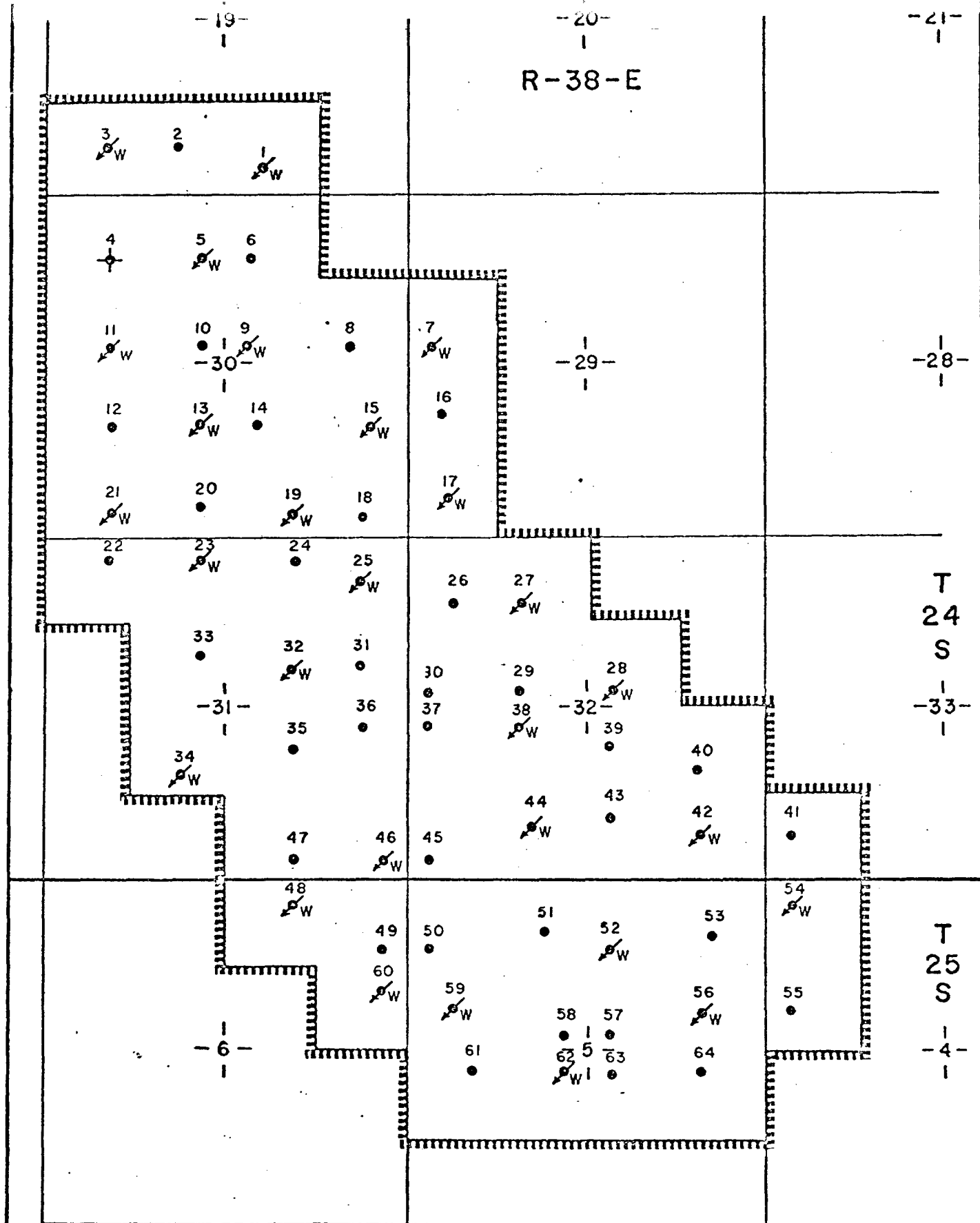
C. J. Love, Chairman
Working Interest Owners' Committee

OVS/mac
Attachment

Approved *January 11, 1972*
C. H. Carter
Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION

THIS APPROVAL GRANTED SUBJECT TO LIKE APPROVAL
BEING GRANTED BY THE UNITED STATES GEOLOGICAL
SURVEY AND BY THE COMMISSIONER OF PUBLIC LANDS
OF THE STATE OF NEW MEXICO.



WEST DOLLARHIDE QUEEN SAND UNIT
LEA COUNTY, NEW MEXICO



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico 88201

January 4, 1971

261-

Skelly Oil Company
P.O. Box 1351
Midland, Texas 79701

Attention: Mr. P. L. Nunley

Gentlemen:

Your 1971 plan of development and operation, proposing to continue operations under the present waterflood pattern, for the West Dollarhide Queen Sand unit area, Lea County, New Mexico, has been approved on this date subject to like approval by the appropriate State officials.

Three approved copies of the plan are enclosed.

Sincerely yours,

(ORIG. SCD.) N. O. FREDERICK
N. O. FREDERICK
Regional Oil and Gas Supervisor

cc:
Washington (w/cy of plan)
Hobbs (w/cy of plan)
NMOCC, Santa Fe (ltr only) ✓
Com. of Pub. Lands, Santa Fe (ltr only)

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

November 24, 1970

2672

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. P. L. Nunley

Re: 1971 Plan of Development
West Dollarhide Queen Sand
Unit, Lea County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Plan of Development and Operations during the calendar year 1971 for the West Dollard Queen Sand Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Two approved copies are returned herewith.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/JEX/og

cc: United States Geological Survey -Roswell
Commissioner of Public Lands - Santa Fe

C
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November 4, 1970

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Re: West Dollarhide Queen Sand
Unit
1971 Plan of Development
Lee County, New Mexico

ATTENTION: Mr. P. L. Nunley

Gentlemen:

The Commissioner of Public Lands has this date approved your 1971 Plan of Development dated November 1, 1970, for the captioned unit, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

Please remit a three (\$3.00) Dollar filing fee.

One approved copy is returned herewith.

Sincerely yours,

GORDON G. MARCUM, II, Director
Oil and Gas Department

AJA/GGM/s
encls.

cc: USGS-Roswell, New Mexico
OCC-Santa Fe, New Mexico



SKELLY OIL COMPANY

EXPLORATION & PRODUCTION DEPARTMENT
WEST CENTRAL DISTRICT

November 1, 1970

ADDRESS REPLY TO:
P. O. BOX 1351
MIDLAND, TEXAS 79701

P. L. NUNLEY, PRODUCTION MANAGER
B. A. STRICKLING, OPERATIONS SUPERINTENDENT
C. J. LOVE, DISTRICT ENGINEER
F. J. PETRO, DISTRICT PRODUCTION ENGINEER
J. D. MCCLAIN, DISTRICT RESERVOIR ENGINEER

Re: West Dollarhide Queen Sand Unit
Lea County, New Mexico

Director (6)
United States Geological Survey
P. O. Drawer 1857
Roswell, New Mexico

Commissioner of Public Lands (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 11 of the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, Lea County, New Mexico, Skelly Oil Company respectfully submits for your approval, a report of past operations and a plan of development and operation for the waterflood unit for the year 1971.

PAST OPERATIONS

The West Dollarhide Queen Sand Unit became effective January 1, 1963, and water injection was initiated on January 23, 1963, into Unit Wells No. 59 and 60. In January, 1964, work began to expand the pilot operation to a full-scale waterflood. On March 8, 1964, injection of water was initiated into the last of the 27 input wells and full-scale operation of the injection facilities began. During 1965, tubing strings of all 27 input wells were internally coated to minimize corrosive damage. Well No. 11 was converted to injection on August 3, 1969.

Cumulative water injection into the unit area to October 1, 1970, was 13,142,834 barrels. Availability of water for injection was originally the limiting factor on injection rates. Otherwise, injection operations were normal. To supplement the deficient Santa Rosa water supply, injection of produced water from the Fusselman and Ellenburger formations was commenced on February 13, 1966, at a rate of approximately 1800 BWPD. Recycling of produced water from the Queen formation was commenced on September 15, 1966. The daily average injection rate for September, 1970, was 4,017 barrels at 1475 psig. In December, 1967, connection was made to Skelly's Jal Water System and use of Santa Rosa water was discontinued.

Plan of Development & Operation
West Dollarhide Queen Sand Unit
Page 2
November 1, 1970

Cumulative oil production from the Unit Area since unitization was 867,828 barrels on October 1, 1970. Response to injection was first noted in February, 1965, when production increased from 126 BOPD to 176 BOPD. Gradual improvement in oil production was apparent throughout the year of 1965, increasing from 126 BOPD in December, 1964, to 265 BOPD in December, 1965. After injection was increased in February, 1966, production increased to approximately 300 BOPD in March, 1966, and stabilized at that level for the remainder of the year. During 1967, gradual improvement in oil production was apparent throughout the year, increasing from 328 BOPD in December, 1966, to 433 BOPD in September, 1967. This trend was continued in 1968 with production increasing from 466 BOPD in December, 1967, to 515 BOPD in September, 1968. In 1969, increasing water production and decreased oil production has reversed this trend. Despite installation of larger pumping equipment, oil production had decreased to 412 BOPD in August, 1969, and to 340 BOPD in September, 1970. Consolidation of producing facilities was completed in September, 1966, with installation of satellite test stations and a central battery with LACT unit. All unit production, except Tract 10, is now handled by the central battery. The tank battery serving Tract 10 production was relocated in December, 1967, adjacent to the central battery to facilitate recycling of produced water.

DEVELOPMENT PLANS FOR 1971

Plans are to continue operations under the present flood pattern in 1971.

Very truly yours,

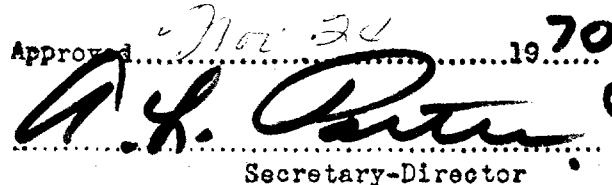
SKELLY OIL COMPANY



P. L. Nunley, Chairman
Working Interest Owners' Committee

OVS/scc
Attachment

Approved

Nov 20 1970

Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION

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SCALE

WEST DOLLARHIDE QUEEN SAND UNIT
LEA COUNTY, NEW MEXICO

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 23, 1970

2672

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Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. P. L. Nunley

Re: 1970 Plan of Operations
West Dollarhide Queen Sand
Unit, Lea County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1970 Plan of Operations dated November 10, 1969, for the West Dollarhide Queen Sand Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Two approved copies of the plan are returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og
Enclosures

cc: United States Geological Survey
Roswell, New Mexico

Commissioner of Public Lands
Santa Fe, New Mexico

JAN 7 1970

January 5, 1970

C
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Y

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Re: West Dollarhide Queen Sand
Unit
1970 Plan of Development
Lea County, New Mexico

ATTENTION: Mr. P. L. Nunley

Gentlemen:

The Commissioner of Public Lands has this date approved your 1970 Plan of Development proposing to continue operations under the present waterflood pattern, for the West Dollarhide Queen Sand Unit area, Lea County, New Mexico. This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy is returned herewith.

Very truly yours,

Ted Bilberry, Director
Oil and Gas Department

TE/ML/s
encl.

cc: USGS-Roswell, New Mexico
OCC- Santa Fe, New Mexico



SKELLY OIL COMPANY

P. O. Box 1351, Midland, Texas 79701

November 10, 1969

Re: West Dollarhide Queen Sand Unit
Lea County, New Mexico

Director (6)
United States Geological Survey
P. O. Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Oil Conservation Commission of (3) All Working Interest Owners
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Gentlemen:

In accordance with Section 11 of the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, Lea County, New Mexico, Skelly Oil Company respectfully submits for your approval, a report of past operations and a plan of development and operation for the waterflood unit for the year 1970.

PAST OPERATIONS

The West Dollarhide Queen Sand Unit became effective January 1, 1963, and water injection was initiated on January 23, 1963, into Unit Wells Nos. 59 and 60. In January 1964, work began to expand the pilot operation to a full-scale waterflood. On March 8, 1964, injection of water was initiated into the last of the 27 input wells and full-scale operation of the injection facilities began. During 1965, tubing strings of all 27 input wells were internally coated to minimize corrosive damage. Well No. 11 was converted to injection on August 3, 1969.

Cumulative water injection into the unit area to September 1, 1969, was 11,214,192 barrels. Availability of water for injection has been the limiting factor on injection rates. Otherwise, injection operations were normal. To supplement the deficient Santa Rosa water supply, injection of produced water from the Fusselman and Ellenburger formations was commenced on February 13, 1966, at a rate of approximately 1800 BWPD. Recycling of produced water from the Queen formation was commenced on September 15, 1966. Injectivity profiles on 20 injection wells were completed in August 1966. These profiles indicated good distribution over the injection interval in most of the wells. The daily average injection rate for August 1969, was 5,015 barrels at 1240 psig. In December 1967, connection was made to Skelly's Jal Water System and use of Santa Rosa water was discontinued.

CELEBRATING OUR




50th ANNIVERSARY

Cumulative oil production from the Unit Area since unitization was 715,111 barrels on September 1, 1969. Response to injection was first noted in February 1965, when production increased from 126 BOPD and 176 BOPD. Gradual improvement in oil production was apparent throughout the year of 1965, increasing from 126 BOPD in December 1964, to 265 BOPD in December 1965. After injection was increased in February 1966, production increased to approximately 300 BOPD in March, 1966, and stabilized at that level for the remainder of the year. During 1967, gradual improvement in oil production was apparent throughout the year, increasing from 328 BOPD in December 1966, to 433 BOPD in September 1967. This trend was continued in 1968 with production increasing from 466 BOPD in December 1967, to 515 BOPD in September 1968. In 1969, increasing water production and decreased oil production has reversed this trend. Despite installation of larger pumping equipment on six (6) wells, oil production had decreased to 412 BOPD in August 1969. Consolidation of producing facilities was completed in September 1966, with installation of satellite test stations and a central battery with LACT unit. All unit production, except Tract 10, is now handled by the central battery. The tank battery serving Tract 10 production was relocated in December 1967, adjacent to the central battery to facilitate recycling of produced water.

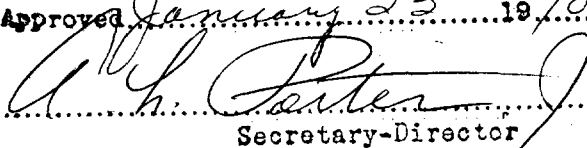
DEVELOPMENT PLANS FOR 1970

Plans are to continue operations under the present flood pattern in 1970.

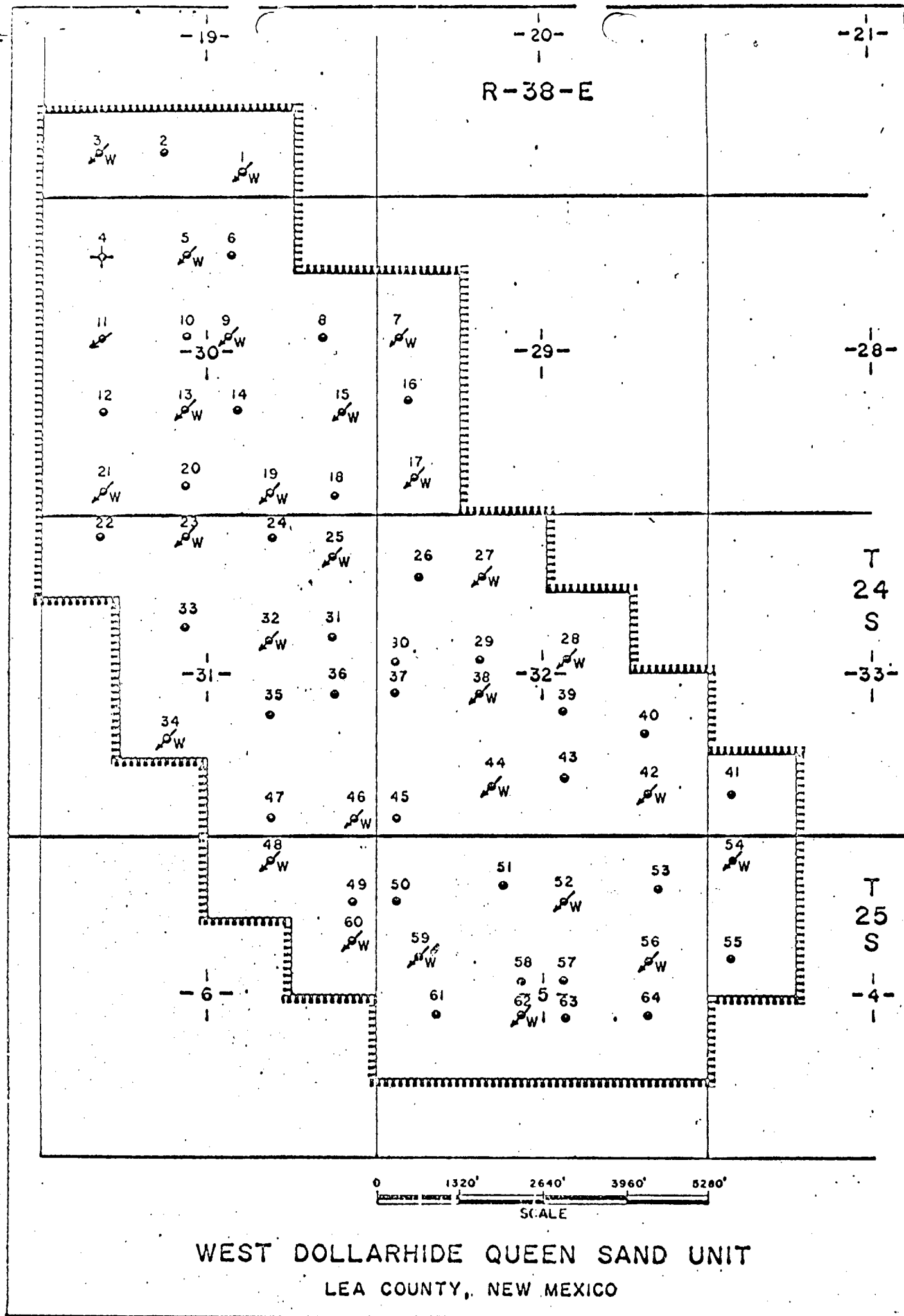
Very truly yours,
SKELLY OIL COMPANY


P. L. Nunley, Chairman
WORKING INTEREST OWNERS COMMITTEE

OVS/ljm

Approved January 23 1970

Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION





UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

MAIL ROOM
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2672

January 28, 1969

Skelly Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

Attention: Mr. V. E. Fletcher

Gentlemen:

Your 1969 plan of development and operation, proposing to continue operations under the present waterflood pattern, for the West Dollarhide Queen Sand unit area, Lea County, New Mexico, has been approved on this date subject to like approval by the appropriate State officials.

Three approved copies of the plan are enclosed.

Sincerely yours,

(ORIGINAL SENT BY AIR MAIL)

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

cc:
Washington (w/cy of plan)
Hobbs (w/cy of plan)
NMOCC, Santa Fe (ltr. only) ✓
Com. of Pub. Lands, Santa Fe (ltr. only)

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 9, 1969

Skelly Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

Attention: Mr. V. E. Fletcher

Re: 1969 Plan of Development
West Dollarhide Queen
Sand Unit, Lea County,
New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1969 Plan of Development dated November 25, 1968 for the West Dollarhide Queen Sand Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Two approved copies of the plan are returned herewith.

Very truly yours,

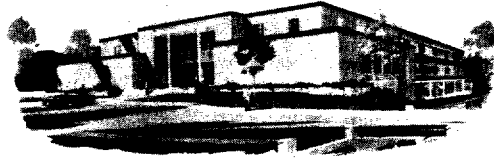
A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey - Roswell
Commissioner of Public Lands - Santa Fe

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State of New Mexico



Commissioner of Public Lands



GUYTON B. HAYS
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO

December 9, 1968

Skelly Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

Re: West Dollarhide Queen
Sand Unit
1969 Plan of Development

ATTENTION: Mr. V. E. Fletcher

Gentlemen:

The Commissioner of Public Lands has this date approved your 1969 Plan of Development proposing to continue operations under the present waterflood pattern, for the West Dollarhide Queen Sand Unit area, Lea County, New Mexico. This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved Copy is returned herewith.

Very truly yours,

GUYTON B. HAYS
COMMISSIONER OF PUBLIC LANDS

BY:
Malcolm L. Long, Supervisor
Unit Division

GBH/TB/ML/s
encl.

cc: USGS-Roswell, New Mexico
OCC-Santa Fe, New Mexico



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SKELLY OIL COMPANY

P.O. Box 730, Hobbs, New Mexico 88240
November 25, 1968

Re: West Dollarhide Queen Sand Unit
Lea County, New Mexico

Director (6)
United States Geological Survey
P.O. Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 11 of the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, Lea County, New Mexico, Skelly Oil Company respectfully submits for your approval a report of past operations and a plan of development and operation for the waterflood unit for the year 1969.

PAST OPERATIONS

The West Dollarhide Queen Sand Unit became effective January 1, 1963 and water injection was initiated on January 23, 1963, into Unit Wells Nos. 59 and 60. In January 1964 work began to expand the pilot operation to a full-scale waterflood. On March 8, 1964, injection of water was initiated into the last of the 27 input wells and full-scale operation of the injection facilities began. During 1965, tubing strings of all 27 input wells were internally coated to minimize corrosive damage.

Cumulative water injection into the unit area to October 1, 1968, was 8,982,333 barrels. Availability of water for injection has been the limiting factor on injection rates. Otherwise, injection operations were normal. To supplement the deficient Santa Rosa water supply, injection of produced water from the Fusselman and Ellenburger formations was commenced on February 13, 1966, at a rate of approximately 1800 BHPD. Recycling of produced water from the Queen formation was commenced on September 15, 1966. Injectivity profiles on 20 injection wells were completed in August, 1966. These profiles indicated good distribution over the injection interval in most of the wells. The daily average injection rate for September, 1968 was 6,247 barrels. In December, 1967, connection was made to Skelly's Jal Water System and use of Santa Rosa water was discontinued.

Cumulative oil production from the Unit Area since unitization was 555,841 barrels on October 1, 1968. Response to injection was first noted in February,

Plan of Development and Operations
West Dollarhide Queen Sand Unit

Page No. 2

1965 when production increased from 126 BOPD to 176 BOPD. Gradual improvement in oil production was apparent throughout the year of 1965, increasing from 126 BOPD in December, 1964 to 265 BOPD in December 1965. After injection was increased in February 1966, production increased to approximately 300 BOPD in March, 1966 and stabilized at that level for the remainder of the year. During 1967, gradual improvement in oil production was apparent throughout the year, increasing from 328 BOPD in December, 1966 to 433 BOPD in September, 1967. This trend was continued in 1968 with production increasing from 466 BOPD in December, 1967 to 515 BOPD in September, 1968. Consolidation of producing facilities was completed in September, 1966 with installation of satellite test stations and a central battery with LACT unit. All unit production, except Tract 10, is now handled by the central battery. The tank battery serving Tract 10 production was relocated in December, 1967 adjacent to the central battery to facilitate recycling of produced water.

DEVELOPMENT PLANS FOR 1969

Plans are to continue operations under the present flood pattern in 1969.

Yours very truly,
SKELLY OIL COMPANY



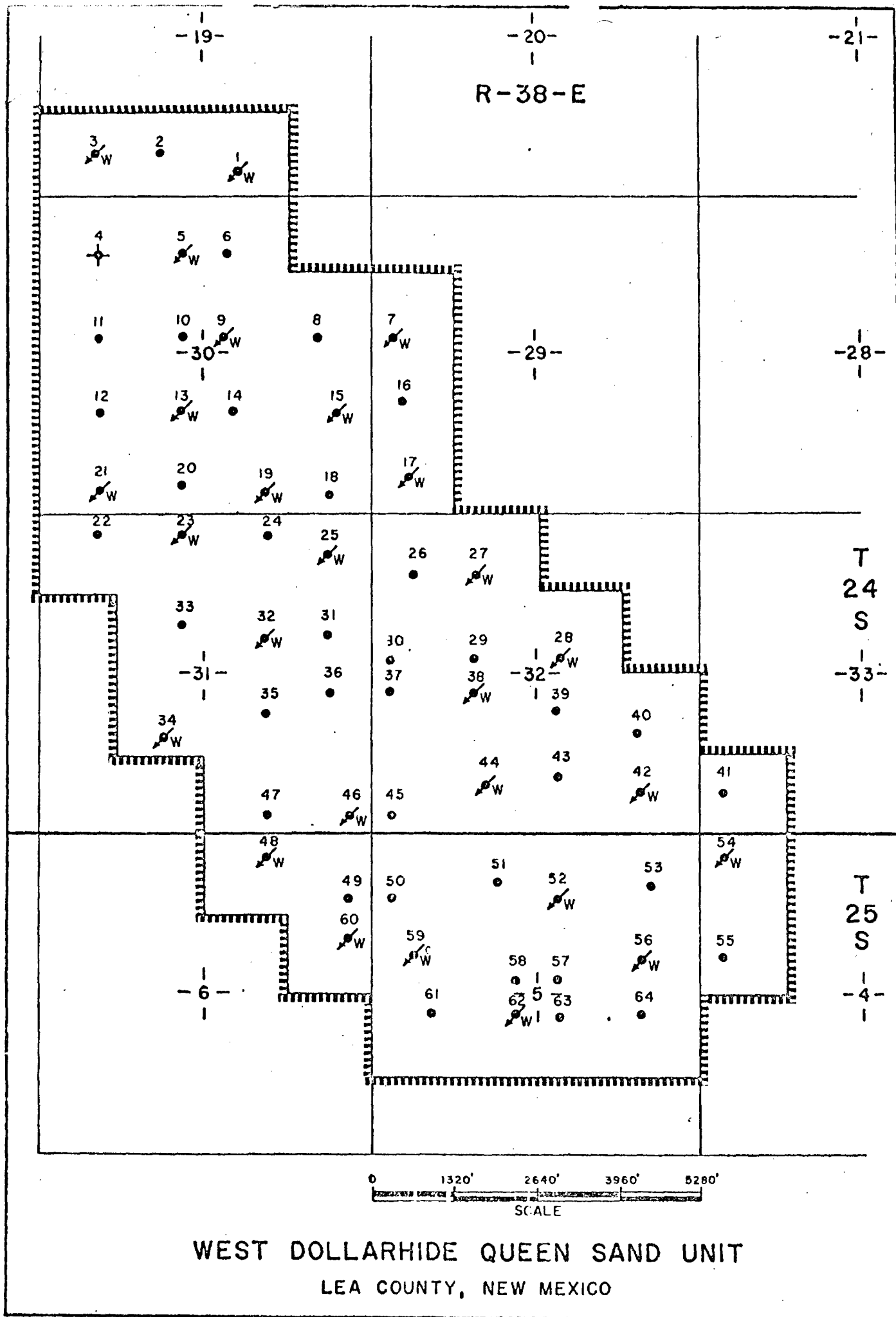
V. E. Fletcher, Chairman
WORKING INTEREST OWNERS COMMITTEE

OVS/bh

Approved January 9, 1969

Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION





IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

2672

Drawer 1857
Roswell, New Mexico 88201

January 5, 1968

Skelly Oil Company
P. O. Box 730
Hobbs, New Mexico

Attention: Mr. V. E. Fletcher

Gentlemen:

Your 1968 plan of development and operation dated November 16, 1967, proposing to continue operations under the present waterflood pattern, for the West Dollarhide Green Sand unit area, Lea County, New Mexico, has been approved on this date subject to like approval by the appropriate State officials.

Three approved copies of the plan are enclosed.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil & Gas Supervisor

MAIN OFFICE

cc:
Washington (w/cy of plan)
Hobbs (w/cy of plan)
NMOCC, Santa Fe (ltr. only)✓
Com. of Pub. Lands, Santa Fe (ltr. only)

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OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

2672

January 4, 1968

**Skelly Oil Company
P. O. Box 730
Hobbs, New Mexico**

Attention: Mr. V. E. Fletcher

**Re: 1968 Plan of Development
West Dollarhide Queen Sand Unit
Lea County, New Mexico**

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1968 Plan of Development dated November 16, 1967, for the West Dollarhide Queen Sand Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Two approved copies of the plan are returned herewith.

Very truly yours,

**A. L. PORTER, Jr.
Secretary-Director**

**ALP/JEK/og
Enclosures**

**cc: Commissioner of Public Lands
Santa Fe, New Mexico**

**United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201**

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State of New Mexico

Commissioner of Public Lands

MAIN OFFICE

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GUYTON B. HAYS
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO

December 12, 1967

Shelly Oil Company
P. O. Box 730
Edora, New Mexico

Re: West Dollarhide Queen
Sand Unit
1968 Plan of Development
Lea County, New Mexico

REFERENCE: Mr. V. E. Fletcher

Gentlemen:

The Commissioner of Public Lands has this date approved your 1968 Plan of Development dated November 16, 1967, for the captioned unit, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy is returned herewith.

Very truly yours,

GUYTON B. HAYS
COMMISSIONER OF PUBLIC LANDS

BY:
Eddie Lopez, Supervisor
Unit Division

GTH/UB/EL/s
encl. 1.

cc: USGS-Roswell, New Mexico
CCC-Santa Fe, New Mexico



SKELLY OIL COMPANY

P.O. Box 730, Hobbs, New Mexico

November 16, 1967

Re: West Dollarhide Queen Sand Unit
Lea County, New Mexico

Director (6)
United States Geological Survey
P.O. Drawer 1857
Roswell, New Mexico

Commissioner of Public Lands (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

MAIN OFFICE 000

✓ Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

All Working Interest Owners '67 DEC 11 AM 8 18

Gentlemen:

In accordance with Section 11 of the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, Lea County, New Mexico, Skelly Oil Company respectfully submits for your approval a report of past operations and a plan of development and operation for the waterflood unit for the year 1968.

PAST OPERATIONS

The West Dollarhide Queen Sand Unit became effective January 1, 1963 and water injection was initiated on January 23, 1963, into Unit Well Nos. 59 and 60. In January 1964 work began to expand the pilot operation to a full scale waterflood. On March 8, 1964, injection of water was initiated into the last of the 27 input wells and full scale operation of the injection facilities began. During 1965, tubing strings of all 27 input wells were internally coated to minimize corrosive damage.

Cumulative water injection into the unit area to October 1, 1967, was 6,587,801 barrels. Availability of water for injection has been the limiting factor on injection rates. Otherwise, injection operations were normal. To supplement the deficient Santa Rosa water supply, injection of produced water from the Fusselman and Ellenburger formations was commenced on February 13, 1966, at a rate of approximately 1800 BWP. Recycling of produced water from the Queen formation was commenced on September 15, 1966. Injectivity profiles on 20 injection wells were completed in August, 1966. These profiles indicated good distribution over the injection interval in most of the wells. The daily average injection rate for September, 1967 was 6,167 barrels.

Cumulative oil production from the Unit Area since unitization was 374,797 barrels on October 1, 1967. Response to injection was first noted in February, 1965 when production increased from 126 BOPD to 176 BOPD. Gradual improvement in oil production was apparent throughout the year of 1965, increasing from 126 BOPD in December, 1964 to 265 BOPD in December 1965. After injection was increased in

Plan of Development and Operations
West Dollarhide Queen Sand Unit

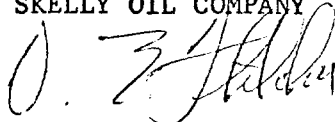
Page No. 2

February 1966, production increased to approximately 300 BOPD in March 1966 and stabilized at that level for the remainder of the year. During 1967, gradual improvement in oil production was apparent throughout the year, increasing from 328 BOPD in December 1966 to 433 BOPD in September 1967. Consolidation of producing facilities was completed in September 1966 with installation of satellite test stations and a central battery with LACT unit. All unit production, except Tract 10, is now handled by the central battery.

DEVELOPMENT PLANS FOR 1968

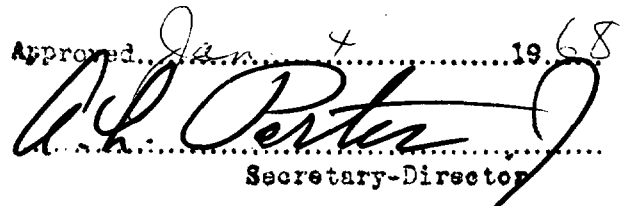
Plans are to continue operations under the present flood pattern in 1968. The only change contemplated in operation of the Unit, as now constituted, is to add a source of supplemental water to the present supply in order to assure the most effective operation of the Unit. Operations are now under way on the pipeline to bring this supplemental water into the area.

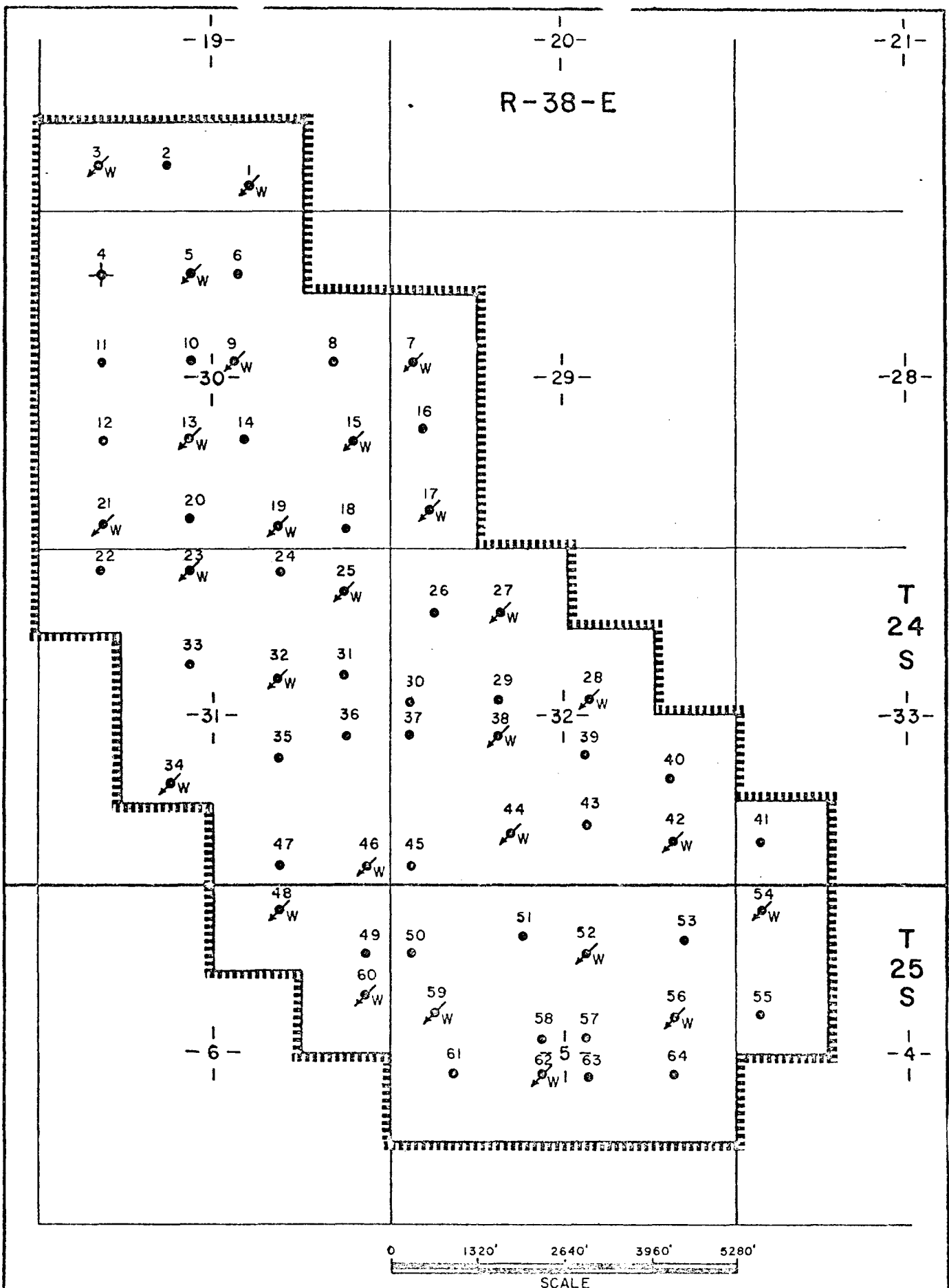
Yours very truly,
SKELLY OIL COMPANY



V. E. Fletcher, Chairman
Working Interest Owners Committee

OVS/bh

Approved... Jan 4 19 68

Secretary-Director
NEW MEXICO OIL CONSERVATION COMMISSION



WEST DOLLARHIDE QUEEN SAND UNIT

LEA COUNTY, NEW MEXICO

MAIN OFFICE
MAY 10 PM 11

2672

Drawer 1857
Roswell, New Mexico 88201

May 8, 1967

Skelly Oil Company
P. O. Box 730
Hobbs, New Mexico

Attention: Mr. H. E. Aab

Gentlemen:

Your 1967 plan of development and operation dated November 4, 1966, for the West Dollarhide Queen Sand unit area, Lea County, New Mexico, has been approved on this date subject to like approval by the appropriate State officials.

Three approved copies of the plan are enclosed.

Sincerely yours,

(Orig.Sgd.) CARL C. TRAYWICK

CARL C. TRAYWICK
Acting Oil and Gas Supervisor

cc:
Washington (w/cy of plan)
Hobbs (w/cy of plan)
NMOCC, Santa Fe (ltr. only) ✓
Com. of Pub. Lands, Santa Fe (ltr. only)

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

2672

April 27, 1967

Skelly Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

Attention: Mr. H. E. Aab

Re: 1967 Plan of Development
West Dollarhide Queen Sand Unit
Lea County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1967 Plan of Development dated November 4, 1966, for the West Dollarhide Queen Sand Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Two approved copies of the plan are returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/esr
Enclosures

cc: Commissioner of Public Lands
Santa Fe, New Mexico

United States Geological Survey
Reswell, New Mexico

February 13, 1967

Skelly Oil Company
P. O. Box 730
Hobbs, New Mexico

Re: West Dollarhide Queen Sand Unit
Lea County, New Mexico

ATTENTION: Mr. H. E. Aab

Gentlemen:

The Commissioner of Public Lands has this date approved your 1967 Plan of Development, for the captioned unit, subject to like approval by the United States Geological Survey and New Mexico Oil Conservation Commission.

One approved copy of the plan is enclosed.

Very truly yours,

GUYTON B. HAYS
COMMISSIONER OF PUBLIC LANDS

BY:
Ted Bilberry, Director
Oil and Gas Department

GBH/MMR/s
encl. 1.

cc: United States Geological Survey
Roswell, New Mexico

New Mexico Oil Conservation Commission
Santa Fe, New Mexico



SKELLY OIL COMPANY

P.O. Box 730, Hobbs, New Mexico

November 4, 1966

Re: West Dollarhide Queen Sand Unit
Lea County, New Mexico

Director (6)
United States Geological Survey
P.O. Drawer 1857
Roswell, New Mexico

Commissioner of Public Lands (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of (3) All Working Interest Owners
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Gentlemen:

In accordance with Section 11 of the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, Lea County, New Mexico, Skelly Oil Company respectfully submits for your approval a report of past operations and a plan of development and operation for the waterflood unit for the year 1967.

PAST OPERATIONS

The West Dollarhide Queen Sand Unit became effective January 1, 1963 and water injection was initiated on January 23, 1963, into Unit Well Nos. 59 and 60. In January 1964 work began to expand the pilot operation to a full scale waterflood. On March 8, 1964, injection of water was initiated into the last of the 27 input wells and full scale operation of the injection facilities began. During 1965 tubing strings of all 27 input wells were internally coated to minimize corrosive damage.

Cumulative water injection into the unit area to October 1, 1966, was 4,363,123 barrels. Availability of water for injection has been the limiting factor on injection rates. Otherwise, injection operations were normal. To supplement the deficient Santa Rosa water supply, injection of produced water from the Fusselman and Ellenburger formations was commenced on February 13, 1966, at a rate of approximately 1800 BWP. Recycling of produced water from the Queen formation was commenced on September 15, 1966. Injectivity profiles on 20 injection wells were completed in August, 1966. These profiles indicated good distribution over the injection interval in most of the wells.

Response to injection was first noted in February, 1965 when production increased from 126 BOPD to 176 BOPD. Gradual improvement in oil production was apparent throughout the year of 1965, increasing from 126 BOPD in December, 1964 to 265 BOPD in December 1965. After injection was increased in February 1966, production increased to approximately 300 BOPD in March 1966 and stabilized at that level for the remainder of the year. Consolidation of producing facilities was completed in September, 1966 with installation of satellite test stations and a central battery with LACT Unit. All unit production, except Tract 10, is now handled by the central battery.

West Dollarhide Queen Sand Unit
Development and Operation

November 4, 1966

Page No. 2

DEVELOPMENT PLANS FOR 1967

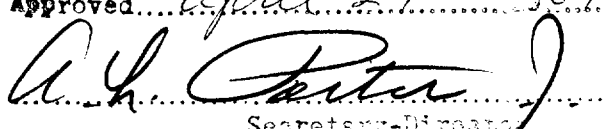
Plans are to continue operations under the present flood pattern in 1967. The only change contemplated in operation of the Unit, as now constituted, is to add a source of supplemental water to the present supply in order to assure the most effective operation of the Unit.

Yours very truly,
SKELLY OIL COMPANY

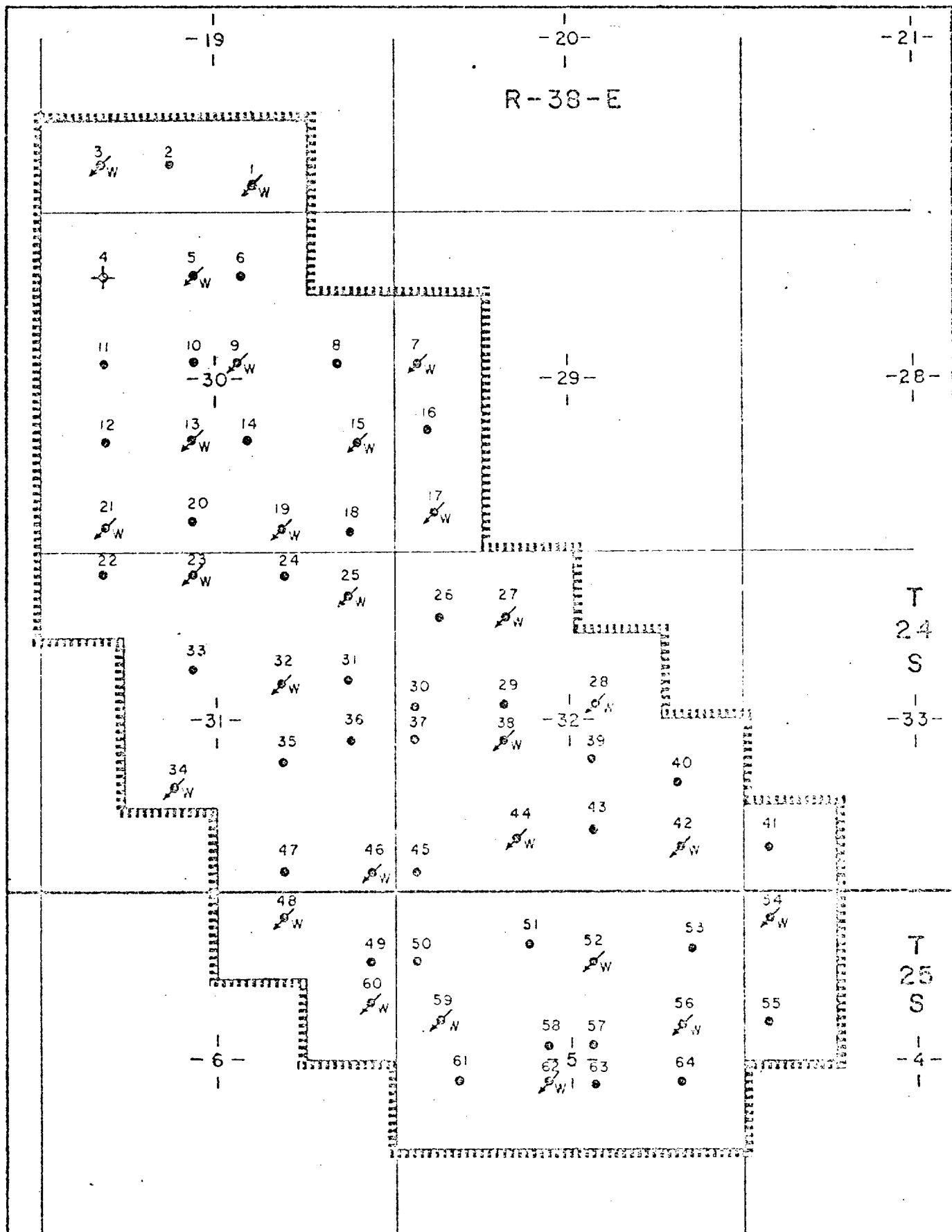


H. E. Aab, Chairman
Working Interest Owners Committee

OVS/bh

Approved.....April 27.....1967.

Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION



0 1320' 2640' 3960' 5280'
SCALE

WEST DOLLARHIDE QUEEN SAND UNIT
LEA COUNTY, NEW MEXICO

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

2672

February 1, 1966

C
O
P
Y

Skelly Oil Company
P. O. Box 730
Hobbs, New Mexico

Attention: Mr. E. E. Aab

Re: 1966 Plan of Development
and Operation, West
Dollahide Queen Sand Unit,
Lea County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1966 Plan of Development and Operation for the West Dollahide Queen Sand Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Two approved copies of the plan are returned herewith.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/JEK/eg

cc: Commissioner of Public Lands - Santa Fe
U. S. Geological Survey - Roswell



Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION

SKELLY OIL COMPANY

P.O. Box 730, Hobbs, New Mexico
December 16, 1965

Re: West Dollarhide Queen Sand Unit
Lea County, New Mexico

Director (6)
United States Geological Survey
P.O. Drawer 1857
Roswell, New Mexico

Commissioner of Public Lands (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

All Working Interest Owners
Approved.....19.....

Gentlemen:

Secretary-Director

In accordance with Section 11 of the Unit Agreement for the Development and Operation of the West Dollarhide Queen Sand Unit, Lea County, New Mexico, Skelly Oil Company respectfully submits for your approval a report of past operations and a plan of development and operation for the waterflood unit for the year 1966.

PAST OPERATIONS

The West Dollarhide Queen Sand Unit became effective January 1, 1963, and water injection was initiated on January 23, 1963, into Unit Well Nos. 59 and 60. In January 1964 work began to expand the pilot operation to a full scale waterflood. On March 8, 1964, injection of water was initiated into the last of the 27 input wells and full scale operation of the injection facilities began.

Cumulative water injection into the unit area to November 1, 1965 was 2,780,930 barrels. The capacity of the five Santa Rosa water supply wells has been the limiting factor on injection rates. Available injection water volumes decreased during 1965 from an average value of 4700 barrels of water per day in January to 3100 barrels of water per day in October. Otherwise, injection operations were normal. Tubing strings were internally coated on all 27 injection wells with no interruption in injection operations. A slight response to injection was first noted during February 1965 when production increased from 126 BOPD to 176 BOPD. Gradual improvement in oil production was apparent throughout the year of 1965; increasing from 126 BOPD in December 1964 to 237 BOPD in October 1965.

DEVELOPMENT PLANS FOR 1966

Plans are to continue operations under the present flood pattern in 1966 with no additional drilling of wells. The only change contemplated in operation of the Unit is to add a source of supplemental water to the present supply in order to assure the most effective operation of the Unit.

Approved.....

Yours very truly,
SKELLY OIL COMPANY

A. L. Porter
Secretary-Director

H. E. Aab
Chairman

Working Interest Owners Committee

MAIN OFFICE OCC

Drawer 1857
Roswell, New Mexico 88201

JAN 27 PM 1:14

January 25, 1966

Skelly Oil Company
P. O. Box 730
Hobbs, New Mexico

Attention: Mr. H. E. Asb

Gentlemen:

Your 1966 plan of development and operation dated December 16, 1965, for the West Dollarhide Queen Sand unit area, Lea County, New Mexico, has been approved on this date subject to like approval by the appropriate State officials.

Three approved copies of the plan are enclosed.

Sincerely yours,

JOHN A. ANDERSON
Regional Oil & Gas Supervisor

cc:

Washington (w/cy of plan)

Hobbs (w/cy of plan)

N.M.O.C.C. - Santa Fe (ltr. only) ✓

Com. of Pub. Lands - Santa Fe (ltr. only)

MAIN OFFICE

'65 JUL 20 PM 2

July 12, 1965

2672

Skelly Oil Company
P. O. Box 730
Hobbs, New Mexico

Attention: Mr. H. E. Aab

Re: West Dollarhide Queen Sand Unit
Lea County, New Mexico
1965 Plan of Development

Gentlemen:

The Commissioner of Public Lands approves as of July 12, 1965, your 1965 Plan of Development for the West Dollarhide Queen Sand Unit, Lea County, New Mexico. This instrument was approved by the United States Geological Survey on May 28, 1965.

We are returning one approved copy of the Plan of Development.

Very truly yours,

GUYTON B. HAYS
COMMISSIONER OF PUBLIC LANDS

BY:
(Mr.) Ted Bilberry, Director
Oil and Gas Department

GBH/MMR/d
Enclosures

cc: United States Geological Survey
P. O. Box 1857
Roswell, New Mexico
Attention: Mr. John A. Anderson

New Mexico Oil Conservation Commission
P. O. Box 2088, Santa Fe, New Mexico



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

May 28, 1965

Skelly Oil Company
P. O. Box 730
Hobbs, New Mexico

Attention: Mr. H. E. Aab

Gentlemen:

Your 1965 plan of development dated November 13, 1964, for the West Dollarhide Queen unit area, Lea County, New Mexico, has been approved on this date subject to like approval by the appropriate State officials.

One approved copy of the plan is enclosed.

Sincerely yours,

(ORIG. SGO) BILLY J. SHOGER

BILLY J. SHOGER
Acting Oil and Gas Supervisor

cc:

Washington (w/cy of plan)
Hobbs (w/cy of plan)
NMDC, Santa Fe (ltr. only) ✓
Com. of Pub. Lands (Santa Fe) (ltr. only)



MAIN OFFICE OCC

SKELLY OIL COMPANY

JAN 14 PM 12 17

TULSA 2, OKLAHOMA

PRODUCTION DEPARTMENT

C. L. BLACKSHER, VICE PRESIDENT

W. P. WHITMORE, MGR. PRODUCTION

W. D. CARSON, MGR. TECHNICAL SERVICES

ROBERT G. HILTZ, MGR. JOINT OPERATIONS

GEORGE W. SELINGER, MGR. CONSERVATION

January 11, 1963

267

Re: West Dollarhide Queen Sand Unit
Lea County, New Mexico

CERTIFIED MAIL

Mr. A. L. Porter, Jr.
Oil Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Dear Mr. Porter:

In accordance with Order No. R-2352, entered by the Commission on October 31, 1962, we are attaching hereto an executed original and executed counterpart of the Unit Agreement, West Dollarhide Queen Sand Unit, Lea County, New Mexico, reflecting the subscription of those interests having joined, or ratified, said Unit Agreement.

Very truly yours,

CRD:sw
Attach.



SKELLY OIL COMPANY

P. O. Box 1650
TULSA 2, OKLAHOMA

PRODUCTION DEPARTMENT

C. L. BLACKSHER, VICE PRESIDENT

W. P. WHITMORE, MGR. PRODUCTION

W. D. CARSON, MGR. TECHNICAL SERVICES

ROBERT G. HILTZ, MGR. JOINT OPERATIONS

GEORGE W. SELINGER, MGR. CONSERVATION

January 7, 1963

26/2

Mr. A. L. Porter, Jr.
New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Dear Mr. Porter:

This is to advise that our West Dollarhide Queen Sand Unit, which was approved by Order No. R-2352 dated October 24, 1962, went into effect January 1, 1963.

We are attaching a list of the unit well numbers, which will hereafter designate each of the wells in this unit, showing the former operator, former lease and well number, and the location.

Yours very truly,

George W. Selinger

NPM:br
Attach.

January 4, 1963

WEST DOLLARHIDE QUEEN SAND UNIT
LEA COUNTY, NEW MEXICO

<u>Unit</u> <u>Well No.</u>	<u>Former Operator</u>	<u>Former Lease and Well No.</u>	<u>Location</u>
1	Sinclair	J. H. McClure No. 1	SW/4 SE/4 Sec. 19-24S-38E
2	Texaco	United Royalty "A" No. 1	SE/4 SW/4 Sec. 19-24S-38E
3	Texaco	United Royalty "A" No. 2	SW/4 SW/4 Sec. 19-24S-38E
4	J. P. Gibbins	Fowler Hair No. 4	NW/4 NW/4 Sec. 30-24S-38E
5	J. P. Gibbins	Fowler Hair No. 2	NE/4 NW/4 Sec. 30-24S-38E
6	Sinclair	J. H. McClure No. 13	NW/4 NE/4 Sec. 30-24S-38E
7	Skelly	Mexico "K" No. 11	SW/4 NW/4 Sec. 29-24S-38E
8	Sinclair	J. H. McClure No. 11	SE/4 NE/4 Sec. 30-24S-38E
9	Sinclair	J. H. McClure No. 12	SW/4 NE/4 Sec. 30-24S-38E
10	J. P. Gibbins	Fowler Hair No. 1	SE/4 NW/4 Sec. 30-24S-38E
11	J. P. Gibbins	Fowler Hair No. 3	SW/4 NW/4 Sec. 30-24S-38E
12	Sinclair	L. E. Vance No. 6	NW/4 SW/4 Sec. 30-24S-38E
13	Sinclair	L. E. Vance No. 4	NE/4 SW/4 Sec. 30-24S-38E
14	Sinclair	J. H. McClure No. 10	NW/4 SE/4 Sec. 30-24S-38E
15	Sinclair	J. H. McClure No. 9	NE/4 SE/4 Sec. 30-24S-38E
16	Skelly	Mexico "K" No. 7	NW/4 SW/4 Sec. 29-24S-38E
17	Skelly	Mexico "K" No. 3	SW/4 SW/4 Sec. 29-24S-38E
18	Sinclair	J. H. McClure No. 7	SE/4 SE/4 Sec. 30-24S-38E
19	Sinclair	J. H. McClure No. 3	SW/4 SE/4 Sec. 30-24S-38E
20	Sinclair	L. E. Vance No. 3	SE/4 SW/4 Sec. 30-24S-38E
21	Sinclair	L. E. Vance No. 5	SW/4 SW/4 Sec. 30-24S-38E
22	Sunshine Royalty	Fed. Elliott No. 3	NW/4 NW/4 Sec. 31-24S-38E
23	Elliott & Hall	Elliott "S" No. 1	NE/4 NW/4 Sec. 31-24S-38E
24	Elliott, Inc.	Elliott "H" No. 5	NW/4 NE/4 Sec. 31-24S-38E
25	Elliott, Inc.	Elliott "H" No. 4	NE/4 NE/4 Sec. 31-24S-38E
26	Pan American	State "Y" No. 7	NW/4 NW/4 Sec. 32-24S-38E
27	Pan American	State "Y" No. 14	NE/4 NW/4 Sec. 32-24S-38E
28	Pan American	State "Y" No. 13	SW/4 NE/4 Sec. 32-24S-38E
29	Pan American	State "Y" No. 12	SE/4 NW/4 Sec. 32-24S-38E
30	Pan American	State "Y" No. 4	SW/4 NW/4 Sec. 32-24S-38E
31	Elliott & Hall	Elliott "R" No. 2	SE/4 NE/4 Sec. 31-24S-38E
32	Elliott, Inc.	Elliott "H" No. 3	SW/4 NE/4 Sec. 31-24S-38E
33	Sunshine Royalty	Fed. Elliott No. 2	SE/4 NW/4 Sec. 31-24S-38E
34	Texaco	J. B. McGhee No. 9	NE/4 SW/4 Sec. 31-24S-38E
35	Texaco	J. B. McGhee No. 4	NW/4 SE/4 Sec. 31-24S-38E
36	Texaco	J. B. McGhee No. 3	NE/4 SE/4 Sec. 31-24S-38E
37	Skelly	Mexico "J" No. 8	NW/4 SW/4 Sec. 32-24S-38E
38	Skelly	Mexico "J" No. 12	NE/4 SW/4 Sec. 32-24S-38E
39	Skelly	Mexico "J" No. 13	NW/4 SE/4 Sec. 32-24S-38E
40	Skelly	Mexico "J" No. 22	NE/4 SE/4 Sec. 32-24S-38E
41	Gulf	H. Leonard "G" No. 18	SW/4 SW/4 Sec. 33-24S-38E
42	Skelly	Mexico "J" No. 18	SE/4 SE/4 Sec. 32-24S-38E
43	Skelly	Mexico "J" No. 14	SW/4 SE/4 Sec. 32-24S-38E
44	Skelly	Mexico "J" No. 11	SE/4 SW/4 Sec. 32-24S-38E
45	Skelly	Mexico "J" No. 8	SW/4 SW/4 Sec. 32-24S-38E
46	Texaco	J. B. McGhee No. 2	SE/4 SE/4 Sec. 31-24S-38E
47	Texaco	J. B. McGhee No. 5	SW/4 SE/4 Sec. 31-24S-38E
48	Sinclair	St. Lea 263 No. 2	NW/4 NE/4 Sec. 6-25S-38E
49	Sinclair	St. Lea 263 No. 1	NE/4 NE/4 Sec. 6-25S-38E
50	Skelly	Mexico "L" No. 5	NW/4 NW/4 Sec. 5-25S-38E
51	Skelly	Mexico "L" No. 10	NE/4 NW/4 Sec. 5-25S-38E
52	Skelly	Mexico "L" No. 12	NW/4 NE/4 Sec. 5-25S-38E
53	Skelly	Mexico "L" No. 13	NE/4 NE/4 Sec. 5-25S-38E
54	Gulf	H. Leonard "G" No. 17	NW/4 NW/4 Sec. 4-25S-38E
55	Gulf	H. Leonard "G" No. 16	SW/4 NW/4 Sec. 4-25S-38E
56	Skelly	Mexico "L" No. 9	SE/4 NE/4 Sec. 5-25S-38E
57	Skelly	Mexico "L" No. 8	SW/4 NE/4 Sec. 5-25S-38E
58	Skelly	Mexico "L" No. 7	SE/4 NW/4 Sec. 5-25S-38E
59	Skelly	Mexico "L" No. 6	SW/4 NW/4 Sec. 5-25S-38E
60	Skelly	Mexico "O" No. 1	SE/4 NE/4 Sec. 6-25S-38E
61	Culbertson & Irwin	Texas Penny No. 2	NW/4 SW/4 Sec. 5-25S-38E
62	Culbertson & Irwin	Texas Penny No. 1	NE/4 SW/4 Sec. 5-25S-38E
63	Texaco	Penny No. 4	NW/4 SE/4 Sec. 5-25S-38E
64	Texaco	Penny No. 5	NE/4 SE/4 Sec. 5-25S-38E

December 18, 1962

Skelly Oil Company
P. O. Box 1650
Tulsa 2, Oklahoma

Re: West Dollarhide Queen
Sand Unit, Lea County,
New Mexico

Attention: Mr. Robert G. Hiltz

Gentlemen:

The Commissioner of Public Lands has approved as of this date your West Dollarhide Queen Sand Unit, Lea County, New Mexico.

We are enclosing two Certificates of Approval and forwarding five Certificates of Approval to Mr. John A. Anderson, Regional Oil and Gas Supervisor, Roswell, New Mexico.

Also enclosed is Official Receipt No. 87100 in the amount of Forty-five (\$45.00) Dollars.

Very truly yours,

E. S. JOHNNY WALKER
COMMISSIONER OF PUBLIC LANDS

BY:
(Mrs.) Marian M. Rhea, Supervisor
Unit Division

ESW/nmr/v

cc: U. S. Geological Survey
Roswell, New Mexico
Attention: John C. Anderson

Oil Conservation Commission
Santa Fe, New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

*Case file
2672*

November 7, 1962

**Mr. George W. Selinger
Skelly Oil Company
P. O. Box 1650
Tulsa 2, Oklahoma**

Dear Mr. Selinger:

We are in receipt of your letter of November 2, 1962, calling our attention to the difference in wording of the acreage description of your West Dollarhide Queen Sand Unit Area in your application for hearing and in Order No. R-2352.

While the variation in wording does exist, we believe you will concur with us that the description in the order is not incorrect and should leave no doubt as to the actual acreage being defined. We would, therefore, prefer not to revise this order inasmuch as it has been entered and distributed.

Very truly yours,

**A. L. PORTER, Jr.,
Secretary-Director**

ALP/DSN/og

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SKELLY OIL COMPANY

P. O. Box 1650
TULSA 2, OKLAHOMA

PRODUCTION DEPARTMENT

C. L. BLACKSHER, VICE PRESIDENT

W. P. WHITMORE, MGR. PRODUCTION

W. D. CARSON, MGR. TECHNICAL SERVICES

ROBERT G. HILTZ, MGR. JOINT OPERATIONS

GEORGE W. SELINGER, MGR. CONSERVATION

November 2, 1962

Re: Order No. R-2352
Case No. 2672
Approval West Dollarhide
Queen Sand Unit

VIA AIR MAIL

Mr. A. L. Porter, Jr.
Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Dear Mr. Porter:

We are in receipt of order of the Commission approving Skelly's West Dollarhide Queen Sand Unit, Lea County, New Mexico, and we note that on Page 2, Paragraph 4 (a), the unit area is described which does not exactly coincide with the unit area set forth in the application and notice, particularly in Township 25 South, Range 38 East. They are Lots 1, 2, 3 and 4 in Section 5, and Lots 1 and 2 in Section 6, and if it is not too much trouble to have this corrected we believe that Paragraph 4 (a) of the order describing the unit area should describe same in accordance with our application and notice.

Yours very truly,

GWS:br

GILBERT, WHITE AND GILBERT

ATTORNEYS AND COUNSELORS AT LAW

BISHOP BUILDING

SANTA FE, NEW MEXICO

September 26, 1962

CARL H. GILBERT
L. C. WHITE
WILLIAM W. GILBERT
SUMNER S. KOCH
WILLIAM B. KELLY

*Case
2672*

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. James M. Durrett, Jr., General Counsel

Re: Skelly Oil Company

Gentlemen:

We herewith enter our formal appearance as resident counsel for Skelly Oil Company in regard to their application for approval of the West Dollarhide Queen Sand Unit Agreement, Lea County, New Mexico.

Very truly yours,

L. C. White

L. C. WHITE

LCW/ab

DOCKET MAILED

Date 10-11-62

gr