

Entered November 20, 1973
A.L.P.

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 5087
Order No. R-4680

APPLICATION OF SKELLY OIL COMPANY
FOR A WATERFLOOD PROJECT, LEA
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on October 31, 1973, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 20th day of November, 1973, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Skelly Oil Company, seeks authority to institute a waterflood project in the Myers Langlie-Mattix Unit Area, Langlie-Mattix Pool, Lea County, New Mexico, by the injection of water into the Lower Seven Rivers and Queen formations through 84 injection wells as shown on Attachment "A" to this order.
- (3) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.
- (4) That the proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.
- (5) That the operator should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface from injection, production, or plugged and abandoned wells.
- (6) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

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Case No. 5087

Order No. R-4680

IT IS THEREFORE ORDERED:

(1) That the applicant, Skelly Oil Company, is hereby authorized to institute a waterflood project in the Myers Langlie-Mattix Unit Area, Langlie-Mattix Pool, Lea County, New Mexico, by the injection of water into the Lower Seven Rivers and Queen formations through 84 injection wells as described on Attachment "A" to this order.

(2) That prior to initial injection of water into any of said injection wells, the operator shall obtain the approval of supervisor of the Commission's Hobbs district office as to the casing and cementing of said well.

(3) That injection into each of said wells shall be through cement-lined tubing, set in a packer which shall be located within 50 feet of the casing shoe or uppermost perforation through which water is to be injected; that the casing-tubing annulus of each singly completed injection well shall be loaded with an inert fluid and equipped with an approved pressure gauge or attention-attracting leak detection device.

(4) That the operator shall immediately notify the supervisor of the Commission's Hobbs district office of the failure of the tubing or packer in any of said injection wells, the leakage of water or oil from around any producing well, or the leakage of water or oil from any plugged and abandoned well within the project area and shall take such timely steps as may be necessary or required to correct such failure or leakage.

(5) That the subject waterflood project is hereby designated the Skelly Myers Langlie Mattix Unit Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

(6) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

IT IS FURTHER ORDERED:

(1) That any of the aforesaid injection wells which has previously been approved as a Jalmat-Langlie Mattix dual completion producer is hereby approved for continued production from the Jalmat Pool and injection into the Langlie Mattix Pool.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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Order No. R-4680

DONE at Santa Fe, New Mexico, on the day and year herein-
above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


I. R. TRUJILLO, Chairman

ALEX J. ARMIJO, Member


A. L. PORTER, Jr., Member & Secretary

S E A L

dr/

ATTACHMENT "A"

WATER INJECTION WELLS
MYERS LANGLIE MATTIX UNIT AREA

Lea County, New Mexico

<u>Tract Number</u>	<u>Unit Well No.</u>	<u>Unit Letter</u>	<u>Section</u>	<u>Former Operator</u>	<u>Former Lease Name and Well No.</u>
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TOWNSHIP 23 SOUTH, RANGE 36 EAST, NMPM

44	10	A	25	Reserve	Carter No. 1
1	34	K	25	Flag Redfern	Lynn B-25 No. 3
1	35	M	25	Flag Redfern	Lynn B-25 No. 4
2	37	O	25	Conoco	Lynn B-25 No. 4
30	63	A	36	Amerada	St. LMT No. 5
30	65	C	36	Amerada	St. LMT No. 7
30	69	G	36	Amerada	St. LMT No. 3
33	99	I	36	Gulf	Holt B No. 1
32	103	O	36	Skelly	Mexico D No. 2

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM

16	47	M	28	Conoco	Stewart 28 No. 1
3	3	C	29	Gulf	La Monyon No. 18
3	17	E	29	Gulf	La Munyon No. 2
3	19	G	29	Gulf	La Munyon No. 15
17	24	I	29	Conoco	Stewart 29 No. 2
22	26	K	29	Texas Pacific	Bliebry A No. 4
19	43	M	29	Texas Pacific	Bliebry No. 1
17	45	O	29	Conoco	Stewart 29 No. 1
21	7	C	30	Texas Pacific	Bliebry A No. 10
20	13	E	30	Texas Pacific	Bliebry A No. 11
47	28	I	30	Gackle	Cowden No. 2
46	39	M	30	Gackle	Cowden B No. 2
49	71	E	31	Gackle	Cowden C No. 2
49	73	G	31	Gackle	Cowden C No. 5
14	95	I	31	Texaco	Bliebry A No. 2
15	97	K	31	Texaco	Bliebry B No. 3
15	105	M	31	Texaco	Bliebry B No. 2
15	107	O	31	Texaco	Bliebry B No. 4
34	55	A	32	Great Western	Leonard B No. 5
34	57	C	32	Great Western	Leonard B No. 3
38	91	I	32	Amerada	State LMA No. 2
36	109	M	32	Texaco	State B-4 No. 1
50	53	C	33	Resler-Sheldon	Fanning B No. 5
50	79	E	33	Resler-Sheldon	Fanning No. 1
52	89	K	33	Byrom	Davis No. 2
53	113	M	33	Byrom	Davis B No. 1
56	115	O	33	Johnson-French	Davis No. 1
23	50	D	34	Texas Pacific	Bliebry B No. 8
24	86	L	34	Texas Pacific	Bliebry B No. 4

<u>Tract Number</u>	<u>Unit Well No.</u>	<u>Unit Letter</u>	<u>Section</u>	<u>Former Operator</u>	<u>Former Lease Name and Well No.</u>
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TOWNSHIP 24 SOUTH, RANGE 36 EAST, NMPM

7	138	A	1	Conoco	Vaughn B No. 3
6	206	E	12	Conoco	Vaughn A 12 No. 1
64	208	G	12	Atlantic	Cooper No. 1
66	239	I	12	Atlantic	Toby No. 2
65	241	K	12	Skelly	Cooper No. 1

TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM

39	120	C	2	Skelly	Mattix A No. 5
40	154	E	2	Skelly	Mattix A No. 2
42	156	G	2	Skelly	Mexico P No. 2
40	157	K	2	Skelly	Mattix No. 4
10	122	A	3	Hunt	Mattix A No. 22
11	152	G	3	Hunt	Mattix A No. 4
10	159	I	3	Hunt	Mattix A No. 5
61	146	E	4	Texaco	Fanning No. 4
28	132	C	5	Amoco	Meyers B No. 22
28	142	E	5	Amoco	Meyers B No. 17
60	144	G	5	Texaco	Fanning No. 7
26	169	K	5	Texas Pacific	Meyers No. 8
26	177	M	5	Texas Pacific	Meyers No. 2
62	179	O	5	Texaco	Young No. 3
28	134	A	6	Amoco	Meyers B No. 22
58	136	C	6	Gulf	Eaves A No. 1
28	140	G	6	Amoco	Meyers B No. 19
26	171	I	6	Texas Pacific	Meyers No. 6
26	175	O	6	Texas Pacific	Meyers No. 5
28	202	A	7	Amoco	Meyers B No. 20
27	210	E	7	Amoco	Meyers B No. 6
28	212	G	7	Amoco	Meyers B No. 10
69	235	I	7	Skelly	Liberty Rty. No. 3
67	237	K	7	King Warren & Dye	Toby No. 2
68	244	M	7	Skelly	Toby No. 1
69	246	O	7	Skelly	Liberty Rty. No. 1
72	198	A	8	Texas Pacific	Hodges No. 5
29	200	C	8	Texas Pacific	Jack No. 3
29	214	E	8	Texas Pacific	Jack No. 1
72	216	G	8	Texas Pacific	Hodges No. 4
73	231	I	8	Amerada	Hodges No. 1
70	233	K	8	Conoco	Cooper No. 2
79	194	A	9	Byrom	Sinclair No. 1
75	196	C	9	Cont-Emsco	Hair No. 1
74	218	E	9	Atlantic	Hair No. 2
27	229	K	9	Amoco	Meyers B No. 5
13	192	C	10	Hunt	Mattix B10 No. 2
63	222	E	10	Gulf	Carr No. 2
12	224	G	10	Hunt	Mattix B No. 4
63	228	K	10	Gulf	Carr No. 3
12	250	O	10	Hunt	Mattix B No. 3