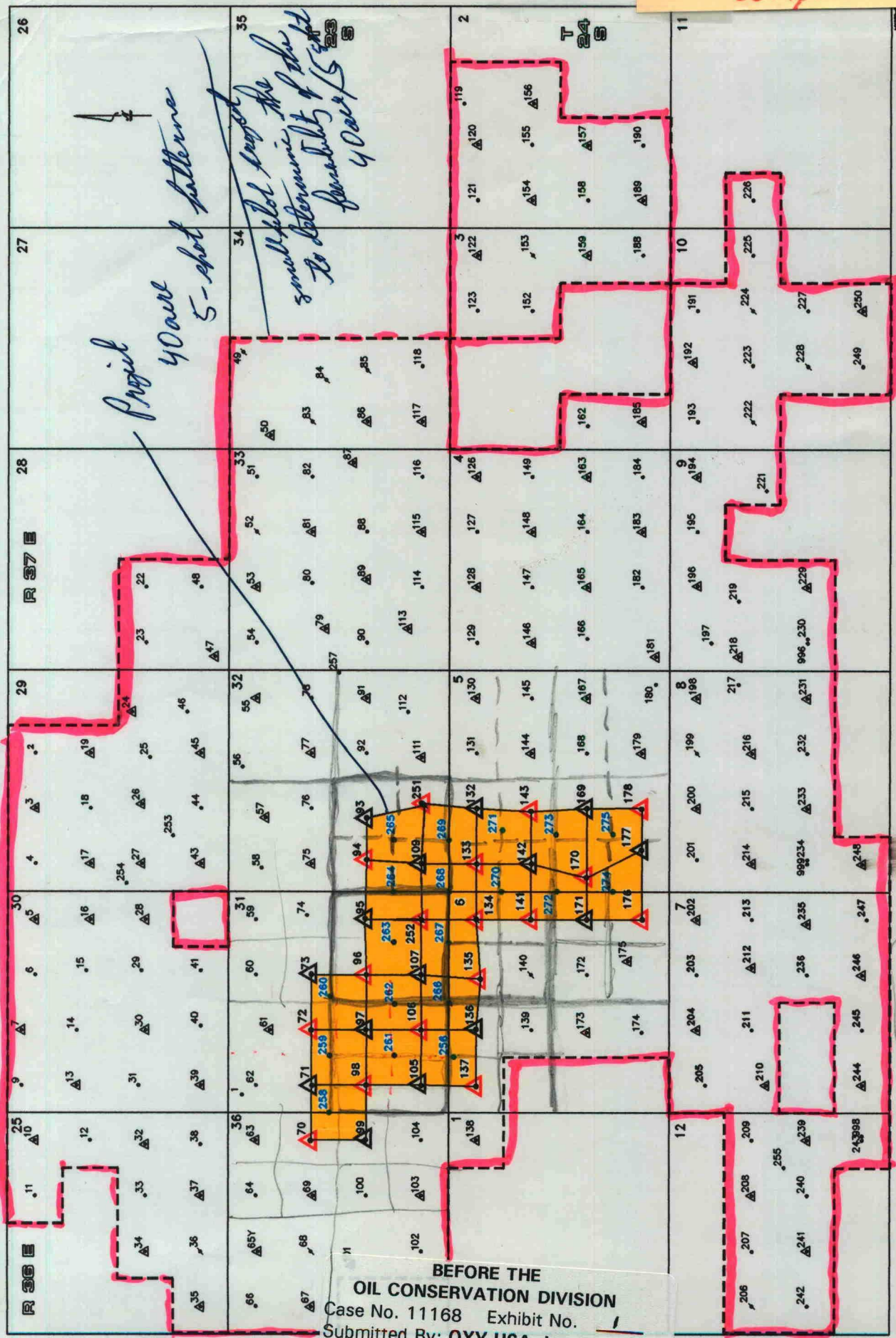


Exhibits 1 through 4
Complete Set

Project
40 acre
5-spot pattern
No lateral project
No determination of the
feasibility of the
40 acre / 5 spot



PRODUCER
• WATER INJECTOR
• PLUGGED & ABANDONED

CONVERT TO INJECTION
• DRILL & EQUIP. PRODUCER
• PROJECT AREA

MYERS LANGLE MATTIX QUEEN UNIT
Las County, New Mexico

1994 DEVELOPMENT PLANS

SW 1/4 NE 1/4 SW 1/4
S 1/2 NW 1/4 SW 1/4
SW 1/4 SW 1/4, NW 1/2 SE 1/4
NW 1/2 SW 1/4
NW 1/2 NE 1/4 SW 1/4
NW 1/4 SW 1/4
NW 1/2 NE 1/4 SW 1/4
NW 1/4 SW 1/4

Scale: 1" = 40' (approx.)

Myers Langlie Mattix Unit

Field Name: Langlie Mattix Seven Rivers Queen Grayburg
Formation Name: Queen

<u>Legal Description</u>	<u># of Acres</u>
SE/4 of the SE/4 of the NE/4 of Section 36, T-23-S, R-36-E	10
NE/4 of the NE/4 of the SE/4 of Section 36, T-23-S, R-36-E	10
S/2 of the S/2 of the NW/4 of Section 31, T-23-S, R-37-E	40
SW/4 of the SW/4 of the NE/4 of Section 31, T-23-S, R-37-E	10
E/2 of the SW/4 of Section 31, T-23-S, R-37-E	80
E/2 of the W/2 of the SW/4 of Section 31, T-23-S, R-37-E	40
NW/4 of the NW/4 of the SW/4 of Section 31, T-23-S, R-37-E	10
S/2 of the SE/4 of Section 31, T-23-S, R-37-E	80
S/2 of the N/2 of the SE/4 of Section 31, T-23-S, R-37-E	40
NW/4 of the NW/4 of the SE/4 of Section 31, T-23-S, R-37-E	10
S/2 of the NW/4 of the SW/4 of Section 32, T-23-S, R-37-E	20
SW/4 of the NE/4 of the SW/4 of Section 32, T-23-S, R-37-E	10
W/2 of the SE/4 of the SW/4 of Section 32, T-23-S, R-37-E	20
SW/4 of the SW/4 of Section 32, T-23-S, R-37-E	40
NE/4 of the NW/4 of the NW/4 of Section 6, T-24-S, R-37-E	10
N/2 of the NE/4 of the NW/4 of Section 6, T-24-S, R-37-E	20
N/2 of the N/2 of the NE/4 of Section 6, T-24-S, R-37-E	40
SE/4 of the NE/4 of the NE/4 of Section 6, T-24-S, R-37-E	10
E/2 of the SE/4 of the NE/4 of Section 6, T-24-S, R-37-E	20
E/2 of the NE/4 of the SE/4 of Section 6, T-24-S, R-37-E	20
NE/4 of the SE/4 of the SE/4 of Section 6, T-24-S, R-37-E	10
W/2 of the NW/4 of Section 5, T-24-S, R-37-E	80
W/2 of the E/2 of the NW/4 of Section 5, T-24-S, R-37-E	40
NW/4 of the SW/4 of Section 5, T-24-S, R-37-E	40
W/2 of the NE/4 of the SW/4 of Section 5, T-24-S, R-37-E	20
N/2 of the SW/4 of the SW/4 of Section 5, T-24-S, R-37-E	20
NW/4 of the SE/4 of the SW/4 of Section 5, T-24-S, R-37-E	10
	<u>760</u>

Myers Langlie Mattix Unit Project Area
Current Status

<u>Well</u>	<u>Location</u>	<u>Status</u>
Myers Langlie Mattix Unit #70	1980' FNL & 660' FEL, Sec 36, T23S, R36E	Inactive Producer
Myers Langlie Mattix Unit #71	1980' FNL & 660' FWL, Sec 31, T23S, R37E	Active Injector —
Myers Langlie Mattix Unit #72	1980' FNL & 1980' FWL, Sec 31, T23S, R37E	Inactive Producer
Myers Langlie Mattix Unit #73	1980' FNL & 1980' FEL, Sec 31, T23S, R37E	Active Injector —
Myers Langlie Mattix Unit #93	1980' FSL & 1750' FWL, Sec 32, T23S, R37E	Active Injector —
Myers Langlie Mattix Unit #94	1980' FSL & 760' FWL, Sec 32, T23S, R37E	Inactive Producer
Myers Langlie Mattix Unit #95	1980' FSL & 660' FEL, Sec 31, T23S, R37E	Active Injector —
Myers Langlie Mattix Unit #96	1979' FSL & 1980' FEL, Sec 31, T23S, R37E	Active Producer
Myers Langlie Mattix Unit #97	1980' FSL & 1980' FWL, Sec 31, T23S, R37E	Inactive Injector —
Myers Langlie Mattix Unit #98	1980' FSL & 660' FWL, Sec 31, T23S, R37E	Active Producer
Myers Langlie Mattix Unit #99	1980' FSL & 660' FEL, Sec 36, T23S, R36E	Inactive Injector —
Myers Langlie Mattix Unit #105	660' FSL & 660' FWL, Sec 31, T23S, R37E	Active Injector —
Myers Langlie Mattix Unit #106	660' FSL & 1936' FWL, Sec 31, T23S, R37E	Active Producer
Myers Langlie Mattix Unit #107	660' FSL & 1980' FEL, Sec 31, T23S, R37E	Active Injector —
Myers Langlie Mattix Unit #109	660' FSL & 660' FWL, Sec 32, T23S, R37E	Active Injector —
Myers Langlie Mattix Unit #132	660' FNL & 1980' FWL, Sec 5, T24S, R37E	Active Injector —
Myers Langlie Mattix Unit #133	660' FNL & 660' FWL, Sec 5, T24S, R37E	Active Producer
Myers Langlie Mattix Unit #134	660' FNL & 660' FEL, Sec 6, T24S, R37E	Inactive
Myers Langlie Mattix Unit #135	760' FNL & 2080' FEL, Sec 6, T24S, R37E	Active Producer
Myers Langlie Mattix Unit #136	660' FNL & 1980' FWL, Sec 6, T24S, R37E	Active Injector —
Myers Langlie Mattix Unit #137	660' FNL & 626' FWL, Sec 6, T24S, R37E	Active Producer
Myers Langlie Mattix Unit #141	1962' FNL & 660' FEL, Sec 6, T24S, R37E	Active Producer
Myers Langlie Mattix Unit #142	1962' FNL & 660' FWL, Sec 5, T24S, R37E	Active Injector —
Myers Langlie Mattix Unit #143	1960' FNL & 1905' FWL, Sec 5, T24S, R37E	Active Producer
Myers Langlie Mattix Unit #169	1980' FSL & 1980' FWL, Sec 5, T24S, R37E	Active Injector —
Myers Langlie Mattix Unit #170	1980' FSL & 330' FWL, Sec 5, T24S, R37E	Active Producer
Myers Langlie Mattix Unit #171	1980' FSL & 660' FEL, Sec 6, T24S, R37E	Active Injector —
Myers Langlie Mattix Unit #176	660' FSL & 660' FEL, Sec 6, T24S, R37E	Active Producer
Myers Langlie Mattix Unit #177	660' FSL & 990' FWL, Sec 5, T24S, R37E	Active Injector —
Myers Langlie Mattix Unit #178	660' FSL & 1980' FWL, Sec 5, T24S, R37E	Active Producer
Myers Langlie Mattix Unit #251	660' FSL & 2096' FWL, Sec 32, T23S, R37E	Active Producer
Myers Langlie Mattix Unit #252	685' FSL & 660' FEL, Sec 31, T23S, R37E	Active Producer
Myers Langlie Mattix Unit #256	105' FNL & 1310' FWL, Sec 6, T24S, R37E	Active Producer
Myers Langlie Mattix Unit #258	2560' FSL & 120' FWL, Sec 31, T23S, R37E	Active Producer
Myers Langlie Mattix Unit #259	2620' FNL & 1340' FWL, Sec 31, T23S, R37E	Active Producer
Myers Langlie Mattix Unit #260	2535' FSL & 2563' FWL, Sec 31, T23S, R37E	Active Producer
Myers Langlie Mattix Unit #261	1340' FSL & 1300' FWL, Sec 31, T23S, R37E	Active Producer
Myers Langlie Mattix Unit #262	1350' FSL & 2380' FWL, Sec 31, T23S, R37E	Active Producer
Myers Langlie Mattix Unit #263	1398' FSL & 1564' FEL, Sec 31, T23S, R37E	Active Producer
Myers Langlie Mattix Unit #264	1400' FSL & 160' FWL, Sec 32, T23S, R37E	Active Producer
Myers Langlie Mattix Unit #265	1460' FSL & 1340' FWL, Sec 32, T23S, R37E	Active Producer
Myers Langlie Mattix Unit #266	100' FNL & 2556' FWL, Sec 6, T24S, R37E	Active Producer
Myers Langlie Mattix Unit #267	190' FNL & 1460' FEL, Sec 6, T24S, R37E	Active Producer
Myers Langlie Mattix Unit #268	139' FNL & 372' FEL, Sec 6, T24S, R37E	Active Producer
Myers Langlie Mattix Unit #269	238' FNL & 1274' FWL, Sec 5, T24S, R37E	Active Producer
Myers Langlie Mattix Unit #270	1410' FNL & 90' FEL, Sec 6, T24S, R37E	Active Producer
Myers Langlie Mattix Unit #271	1340' FNL & 1030' FWL, Sec 5, T24S, R37E	Active Producer
Myers Langlie Mattix Unit #272	2620' FNL & 90' FEL, Sec 6, T24S, R37E	Active Producer
Myers Langlie Mattix Unit #273	2533' FNL & 1350' FWL, Sec 5, T24S, R37E	Active Producer
Myers Langlie Mattix Unit #274	1300' FSL & 120' FWL, Sec 5, T24S, R37E	Active Producer
Myers Langlie Mattix Unit #275	1340' FSL & 1340' FWL, Sec 5, T24S, R37E	Active Producer

MYERS LANGLIE-MATTIX UNIT
Lea County, New Mexico

Order No. R-4660, Approving the Myers Langlie-Mattix Unit Agreement, Lea County, New Mexico, November 16, 1973.

Application of Skelly Oil Company for Approval of the Myers Langlie-Mattix Unit Agreement, Lea County, New Mexico.

CASE NO. 5086
Order No. R-4660

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 o'clock a.m. on October 31, 1973, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 16th day of November, 1973, the Commission, a quorum being present, having considered the testimony, the record, 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 approval of the Myers Langlie-Mattix Unit Agreement covering 9923.68 acres, more or less, of State, Federal and Fee lands described as follows:

LEA COUNTY, NEW MEXICO

TOWNSHIP 23 SOUTH, RANGE 36 EAST, NMPM
Section 25: N/2 NE/4, SE/4 NE/4, E/2 SW/4,
SW/4 SW/4, and SE/4
Section 36: N/2, SE/4, and E/2 SW/4

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM
Section 28: SW/4 NW/4 and SW/4
Sections 29 through 33: All
Section 34: W/2

TOWNSHIP 24 SOUTH, RANGE 36 EAST, NMPM
Section 1: NE/4 NE/4
Section 12: S/2 N/2, N/2 S/2, and SE/4 SE/4

TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM
Section 2: W/2 NE/4 and W/2
Section 3: NE/4, E/2 SE/4, and W/2 SW/4
Sections 4 and 5: All
Section 6: E/2, E/2 W/2, and NW/4 NW/4
Section 7: All
Section 8: N/2, N/2 S/2, and SW/4 SW/4
Section 9: N/2 and N/2 SW/4
Section 10: NW/4, W/2 NE/4, SE/4 NE/4, E/2
SW/4, and W/2 SE/4
Section 11: SW/4 NW/4

(3) That approval of the proposed unit agreement should promote the prevention of waste and the protection of correlative rights within the unit area.

IT IS THEREFORE ORDERED:

(1) That the Myers Langlie-Mattix Unit Agreement is hereby approved.

(MYERS LANGLIE-MATTIX UNIT - Cont'd.)

(2) That the plan contained in said agreement for the development and operation of the unit area is hereby approved in principle as a proper conservation measure; provided however that notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as waiving or relinquishing, in any manner, any right, duty or obligation which is now, or may hereafter be, vested in the Commission to supervise and control operations for the exploration and development of any lands committed to the unit and production of oil or gas therefrom.

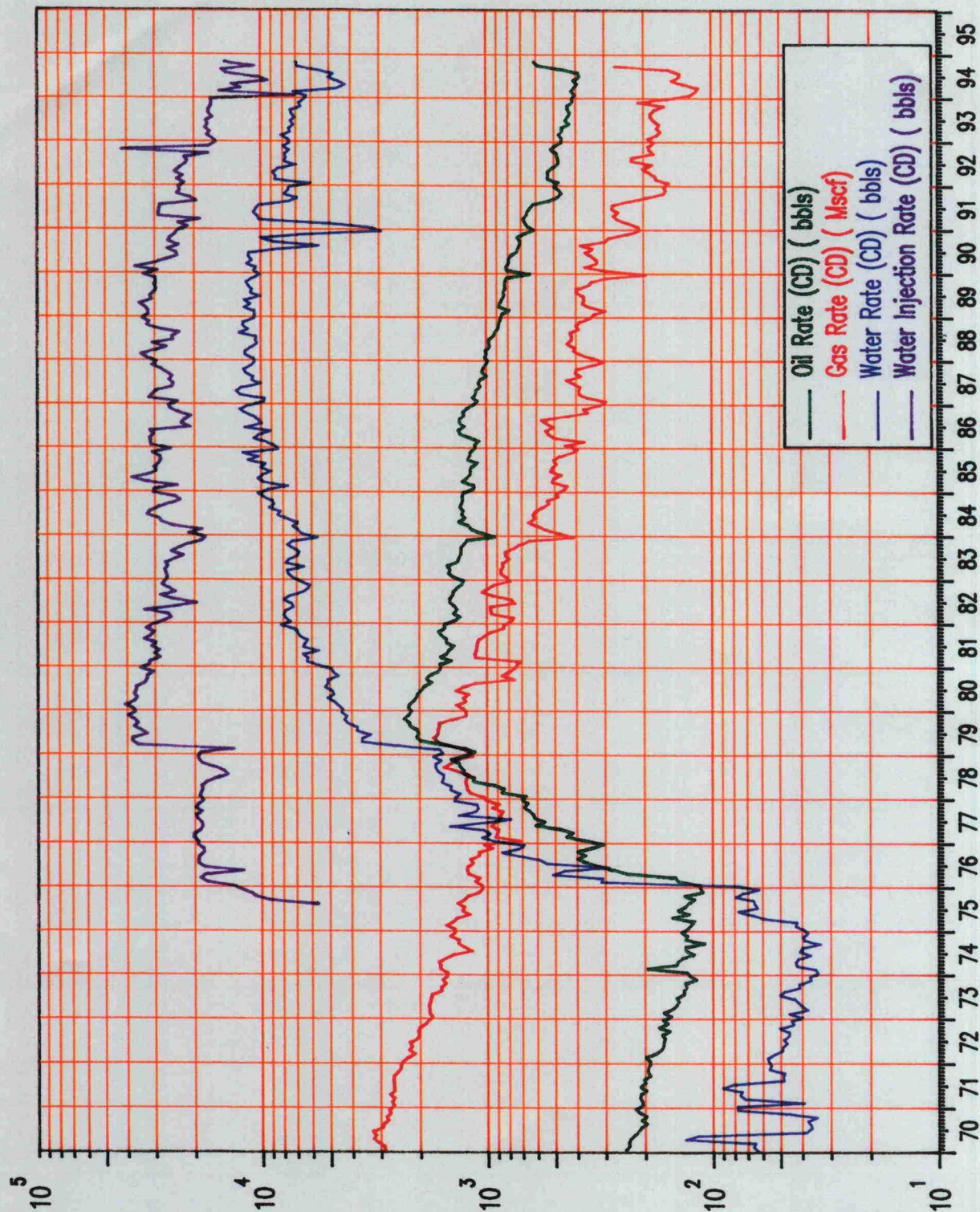
(3) That the unit operator shall file with the Commission an executed original or executed counterpart of the unit agreement within 30 days after the effective date thereof; that in the event of subsequent joinder by any party or expansion or contraction of the unit area, the unit operator shall file with the Commission within 30 days thereafter counterparts of the unit agreement reflecting the subscription of those interests having joined or ratified.

(4) That this order shall become effective upon the approval of said unit agreement by the Commissioner of Public Lands for the State of New Mexico and the Director of the United States Geological Survey; that this order shall terminate ipso facto upon the termination of said unit agreement; and that the last unit operator shall notify the Commission immediately in writing of such termination.

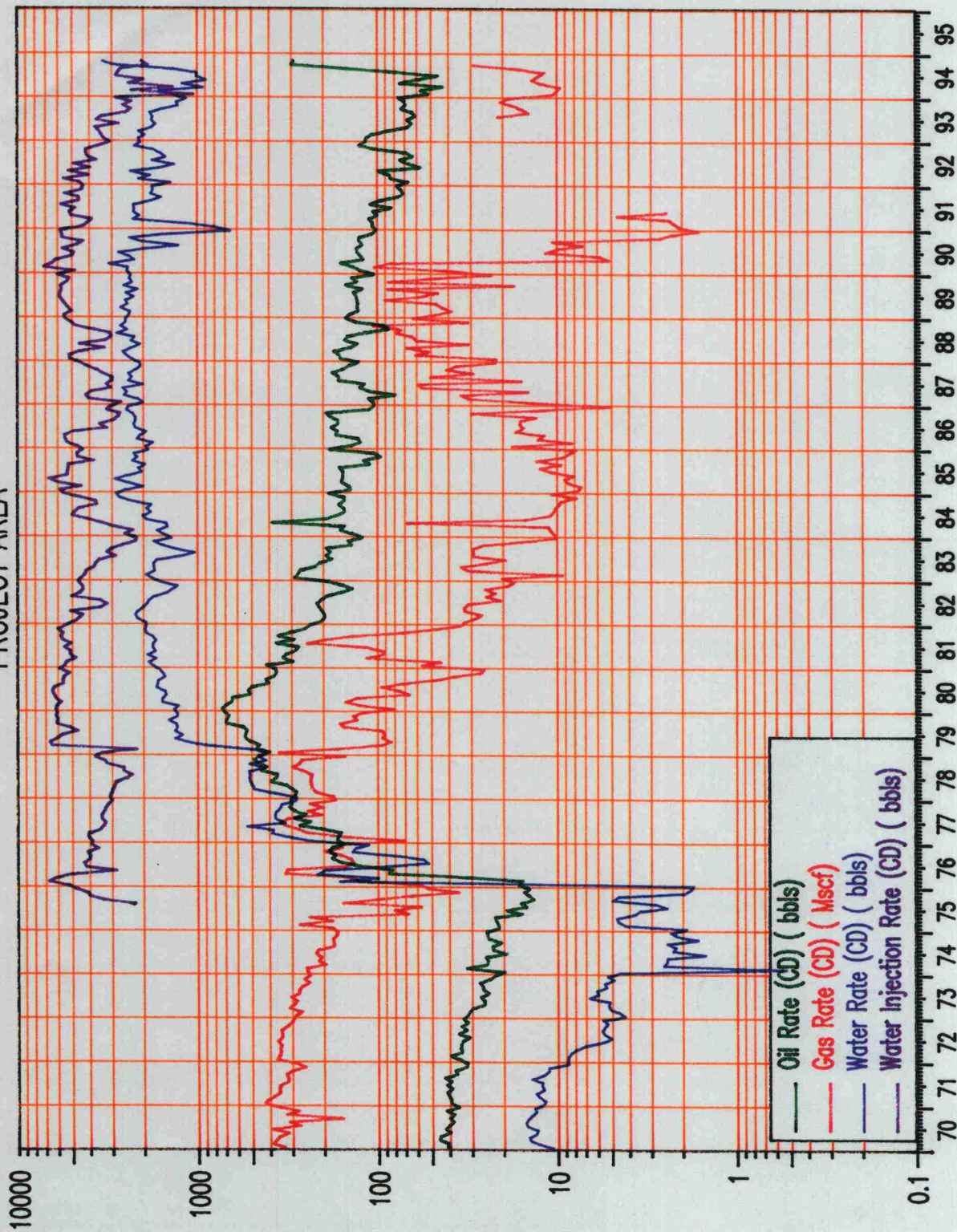
(5) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

MYERS LANGLIE MATTIX UNIT



MYERS LANGLEIE MATTIX UNIT PROJECT AREA



Myers Langlie Mattix Unit

Fluid to be Injected:

Water

Volumes to be Injected:

300 BWPD per well

Source of Water:

- 1 - Produced water from the unit
- 2 - Supply water from Texaco's Jal
Water System

Proposed Date of Injection:

January 31, 1995

NOW, on this 20th day of November, 1973, the Commission, a quorum being present, having considered the testimony, 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.

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 described on Attachment "A" to this order.

(2) That prior to initial injection of water into any of the injection wells, the operator shall obtain the approval of supervisor of the Commission's Hobbs district office as to 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 separately completed injection well shall be loaded with an oil fluid and equipped with an approved pressure gauge or other suitable attracting leak detection device.

(4) That the operator shall immediately notify the supervisor of the Commission's Hobbs district office of the failure of 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.

LANGLIE-MATTIX POOL
(Myers Langlie-Mattix Unit Waterflood)
Lea County, New Mexico

Order No. R-4680, Authorizing Skelly Oil Company to Institute a Waterflood Project in the Myers Langlie-Mattix Unit Area in the Langlie-Mattix Pool, Lea County, New Mexico, November 20, 1973.

Application of Skelly Oil Company for a Waterflood Project, Lea County, New Mexico.

CASE NO. 5087
Order No. R-4680

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.

(LANGLIE-MATTIX (MYERS LANGLIE-MATTIX
UNIT WATERFLOOD) POOL - Cont'd.)

(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.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

ATTACHMENT "A"

WATER INJECTION WELLS

MYERS LANGLIE MATTIX UNIT AREA

Lea County, New Mexico

Tract Number	Unit Well No.	Unit Letter	Section	Former Operator	Former Lease Name and Well No.
--------------	---------------	-------------	---------	-----------------	--------------------------------

TOWNSHIP 23 SOUTH, RANGE 36 EAST, NMPM

44	10	A	25	Reserve	Carter No. 1
1	34	K	25	Flag	Lynn B-25
				Redfern	No. 3
1	35	M	25	Flag	Lynn B-25
				Redfern	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 Munyon
					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	Blinbry A
					No. 4

Tract Number	Unit Well No.	Unit Letter	Section	Former Operator	Former Lease Name and Well No.
19	43	M	29	Texas Pacific	Blinbry No. 1
17	45	O	29	Conoco	Stewart 29 No. 1
21	7	C	30	Texas Pacific	Blinbry A No. 10
20	13	E	30	Texas Pacific	Blinbry 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	Blinbry A No. 2
15	97	K	31	Texaco	Blinbry B No. 3
15	105	M	31	Texaco	Blinbry B No. 2
15	107	O	31	Texaco	Blinbry 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 No. 1
56	115	O	33	Johnson-French	Davis No. 1
23	50	D	34	Texas Pacific	Blinbry B No. 8
24	86	L	34	Texas Pacific	Blinbry B No. 4

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

(LANGLIE-MATTIX (MYERS LANGLIE-MATTIX
UNIT WATERFLOOD) POOL - Cont'd.)

Tract Number	Unit Well No.	Unit Letter	Section	Former Operator	Former Lease Name and Well No.
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 War- ren & 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

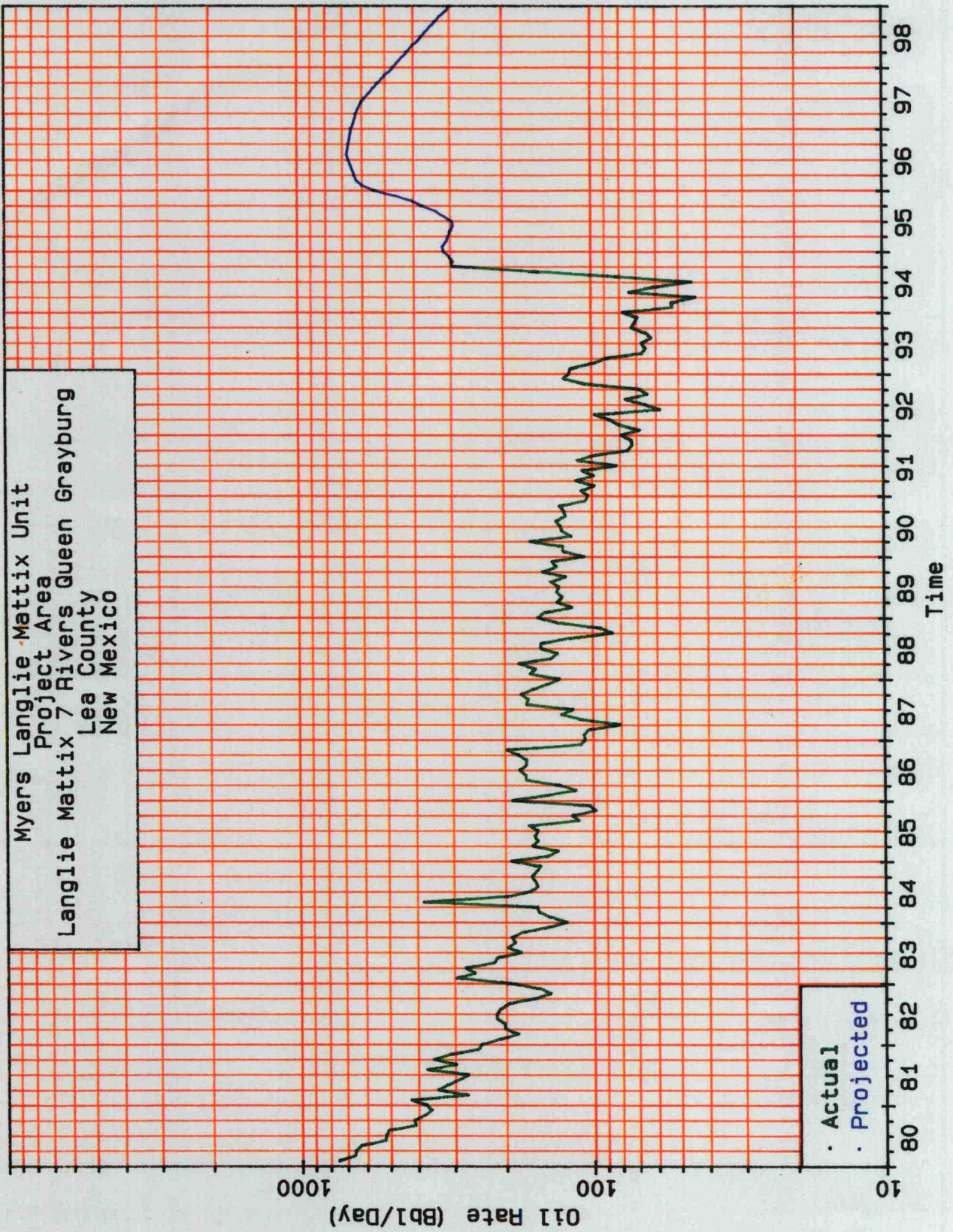
Myers Langlie Mattix Unit Project Area
Proposed Status

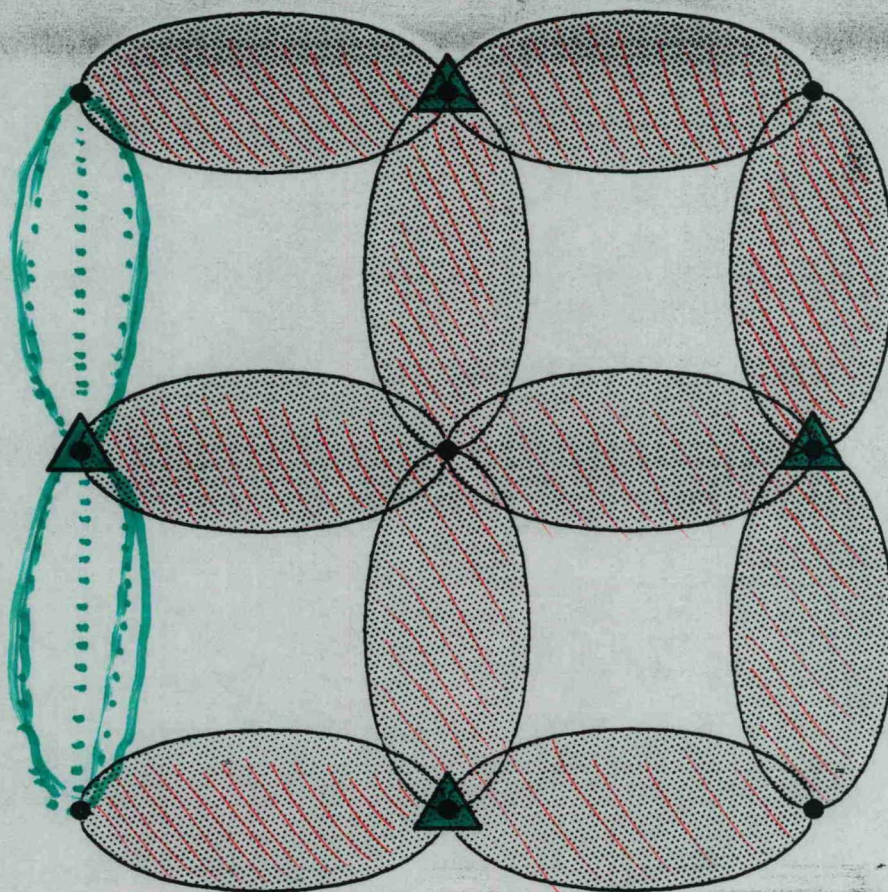
<u>Well</u>	<u>Location</u>	<u>Status</u>
Myers Langlie Mattix Unit #70	1980' FNL & 660' FEL, Sec 36, T23S, R36E	Injector
Myers Langlie Mattix Unit #71	1980' FNL & 660' FWL, Sec 31, T23S, R37E	Injector
Myers Langlie Mattix Unit #72	1980' FNL & 1980' FWL, Sec 31, T23S, R37E	Injector
Myers Langlie Mattix Unit #73	1980' FNL & 1980' FEL, Sec 31, T23S, R37E	Injector
Myers Langlie Mattix Unit #93	1980' FSL & 1750' FWL, Sec 32, T23S, R37E	Injector
Myers Langlie Mattix Unit #94	1980' FSL & 760' FWL, Sec 32, T23S, R37E	Injector
Myers Langlie Mattix Unit #95	1980' FSL & 660' FEL, Sec 31, T23S, R37E	Injector
Myers Langlie Mattix Unit #96	1979' FSL & 1980' FEL, Sec 31, T23S, R37E	Injector
Myers Langlie Mattix Unit #97	1980' FSL & 1980' FWL, Sec 31, T23S, R37E	Injector
Myers Langlie Mattix Unit #98	1980' FSL & 660' FWL, Sec 31, T23S, R37E	Injector
Myers Langlie Mattix Unit #99	1980' FSL & 660' FEL, Sec 36, T23S, R36E	Injector
Myers Langlie Mattix Unit #105	660' FSL & 660' FWL, Sec 31, T23S, R37E	Injector
Myers Langlie Mattix Unit #106	660' FSL & 1936' FWL, Sec 31, T23S, R37E	Injector
Myers Langlie Mattix Unit #107	660' FSL & 1980' FEL, Sec 31, T23S, R37E	Injector
Myers Langlie Mattix Unit #109	660' FSL & 660' FWL, Sec 32, T23S, R37E	Injector
Myers Langlie Mattix Unit #132	660' FNL & 1980' FWL, Sec 5, T24S, R37E	Injector
Myers Langlie Mattix Unit #133	660' FNL & 660' FWL, Sec 5, T24S, R37E	Injector
Myers Langlie Mattix Unit #134	660' FNL & 660' FEL, Sec 6, T24S, R37E	Injector
Myers Langlie Mattix Unit #135	760' FNL & 2080' FEL, Sec 6, T24S, R37E	Injector
Myers Langlie Mattix Unit #136	660' FNL & 1980' FWL, Sec 6, T24S, R37E	Injector
Myers Langlie Mattix Unit #137	660' FNL & 626' FWL, Sec 6, T24S, R37E	Injector
Myers Langlie Mattix Unit #141	1962' FNL & 660' FEL, Sec 6, T24S, R37E	Injector
Myers Langlie Mattix Unit #142	1962' FNL & 660' FWL, Sec 5, T24S, R37E	Injector
Myers Langlie Mattix Unit #143	1960' FNL & 1905' FWL, Sec 5, T24S, R37E	Injector
Myers Langlie Mattix Unit #169	1980' FSL & 1980' FWL, Sec 5, T24S, R37E	Injector
Myers Langlie Mattix Unit #170	1980' FSL & 330' FWL, Sec 5, T24S, R37E	Injector
Myers Langlie Mattix Unit #171	1980' FSL & 660' FEL, Sec 6, T24S, R37E	Injector
Myers Langlie Mattix Unit #176	660' FSL & 660' FEL, Sec 6, T24S, R37E	Injector
Myers Langlie Mattix Unit #177	660' FSL & 990' FWL, Sec 5, T24S, R37E	Injector
Myers Langlie Mattix Unit #178	660' FSL & 1980' FWL, Sec 5, T24S, R37E	Injector
Myers Langlie Mattix Unit #251	660' FSL & 2096' FWL, Sec 32, T23S, R37E	Injector
Myers Langlie Mattix Unit #252	685' FSL & 660' FEL, Sec 31, T23S, R37E	Injector
Myers Langlie Mattix Unit #256	105' FNL & 1310' FWL, Sec 6, T24S, R37E	Producer
Myers Langlie Mattix Unit #258	2560' FSL & 120' FWL, Sec 31, T23S, R37E	Producer
Myers Langlie Mattix Unit #259	2620' FNL & 1340' FWL, Sec 31, T23S, R37E	Producer
Myers Langlie Mattix Unit #260	2535' FSL & 2563' FWL, Sec 31, T23S, R37E	Producer
Myers Langlie Mattix Unit #261	1340' FSL & 1300' FWL, Sec 31, T23S, R37E	Producer
Myers Langlie Mattix Unit #262	1350' FSL & 2380' FWL, Sec 31, T23S, R37E	Producer
Myers Langlie Mattix Unit #263	1398' FSL & 1564' FEL, Sec 31, T23S, R37E	Producer
Myers Langlie Mattix Unit #264	1400' FSL & 160' FWL, Sec 32, T23S, R37E	Producer
Myers Langlie Mattix Unit #265	1460' FSL & 1340' FWL, Sec 32, T23S, R37E	Producer
Myers Langlie Mattix Unit #266	100' FNL & 2556' FWL, Sec 6, T24S, R37E	Producer
Myers Langlie Mattix Unit #267	190' FNL & 1460' FEL, Sec 6, T24S, R37E	Producer
Myers Langlie Mattix Unit #268	139' FNL & 372' FEL, Sec 6, T24S, R37E	Producer
Myers Langlie Mattix Unit #269	238' FNL & 1274' FWL, Sec 5, T24S, R37E	Producer
Myers Langlie Mattix Unit #270	1410' FNL & 90' FEL, Sec 6, T24S, R37E	Producer
Myers Langlie Mattix Unit #271	1340' FNL & 1030' FWL, Sec 5, T24S, R37E	Producer
Myers Langlie Mattix Unit #272	2620' FNL & 90' FEL, Sec 6, T24S, R37E	Producer
Myers Langlie Mattix Unit #273	2533' FNL & 1350' FWL, Sec 5, T24S, R37E	Producer
Myers Langlie Mattix Unit #274	1300' FSL & 120' FWL, Sec 5, T24S, R37E	Producer
Myers Langlie Mattix Unit #275	1340' FSL & 1340' FWL, Sec 5, T24S, R37E	Producer

Myers Langlie Mattix Unit
Project Area
Cost Estimates

Drill and Equip 18 Producers	\$ 3,660,000
Convert 16 Producers to Injection	\$ 690,000
Upgrade Battery and Injection Facilities	<u>\$ 750,000</u>
 Total Project Cost Estimate	 \$ 5,100,000

Myers Langlie Mattix Unit
Project Area
Langlie Mattix 7 Rivers Queen Grayburg
Lea County
New Mexico





80 ACRE 5-SPOT

WATERFLOOD PATTERN

BEFORE THE
OIL CONSERVATION DIVISION

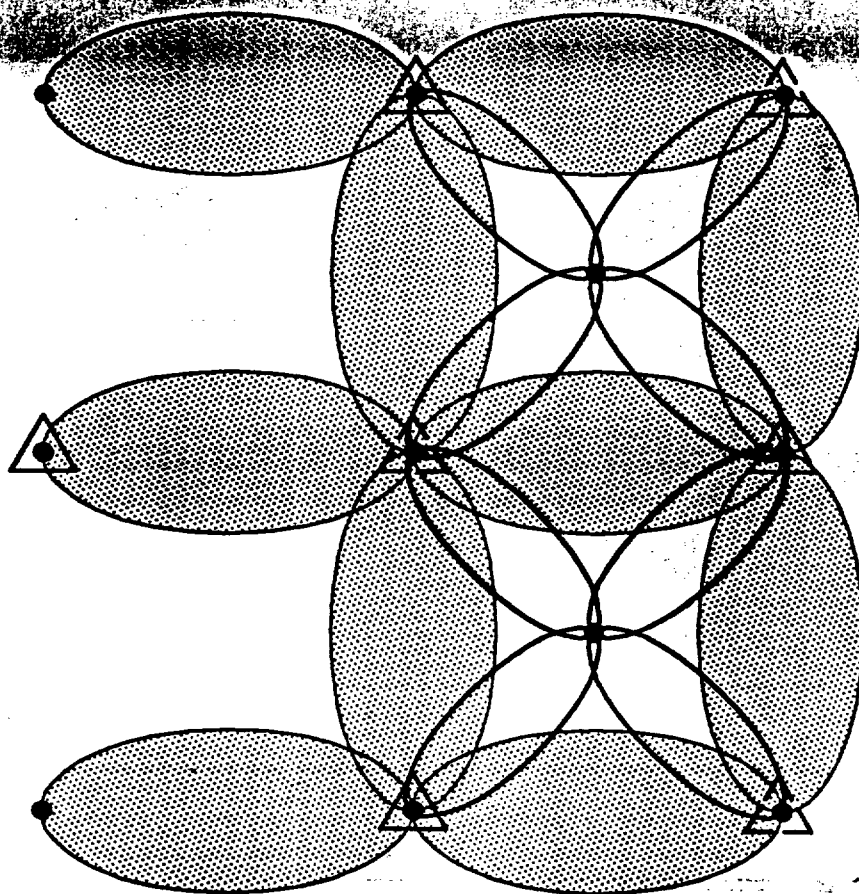
Case No. 11168 Exhibit No. 12

Submitted By: OXY USA, Inc.

Hearing Date: December 15, 1994

Before the
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 1007 Exhibit No. 1

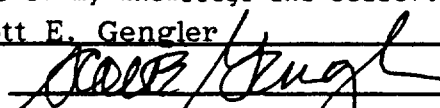
Submitted By: _____
Hearing Date: _____



80 ACRE 5-SPOT
40 ACRE 5-SPOT

WATERFLOOD PATTERN

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: OXY USA Inc.
Address: P. O. Box 50250, Midland, TX 79710
Contact party: Scott E. Gengler Phone: (915) 685-5825
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☒ yes ☐ no R-4680
If yes, give the Division order number authorizing the project _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: Scott E. Gengler Title: Engineering Advisor
Signature:  Date: November 21, 1994
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. R-4680, original application

BEFORE THE
OIL CONSERVATION DIVISION

Case No. 11168 Exhibit No. 2463
Submitted By: OXY USA, Inc.
Hearing Date: December 15, 1994

DISTRIBUTION: Original and one copy to Santa Fe with one copy to district office.

Service List

Government Agencies

Bureau of Land Management
attn: Vince Baldarez
P.O. Box 1157
Hobbs, NM 88240

State of New Mexico Land Office
3830 N. Grimes, Ste C
Hobbs, NM 88240

Offset Operators

Amerada Hess Corp
Drawer D
Monument, NM 88265

Amoco Production Company
P.O. Box 3092
Houston, TX 77253

Arco Oil & Gas Company
P.O. Box 1610
Midland, TX 79701

Lewis B. Burleson Inc.
P.O. Box 2479
Midland, TX 79702

Conoco, Inc.
10 Desta Dr., Ste 100W
Midland, TX 79705

Great Western Drilling
P.O. Box 1659
Midland, TX 79702

Doyle Hartman
500 N. Main
Midland, TX 79701

Lanexco Inc.
P.O. Box 2730
Midland, TX 79702

Meridian Oil, Inc.
21 Desta Dr.
Midland, TX 79705

O'Neill Properties, Ltd.
P.O. Box 2840
Midland, TX 79702

Texaco Exploration & Producing Inc.
P.O. Box 730
Hobbs, NM 88241

Surface Owners

Christie Gas Corp.
901 MOPAC Expressway Ste 515
Austin, TX 78746

Jimmy Doom
Star Route
Jal, NM 88252

Deep Wells Ranch
Star Route 1, Box 244
Jal, NM 88252

Insert

Color Page/Photo

Here

INJECTION WELL DATA SHEET

OXY USA Inc.

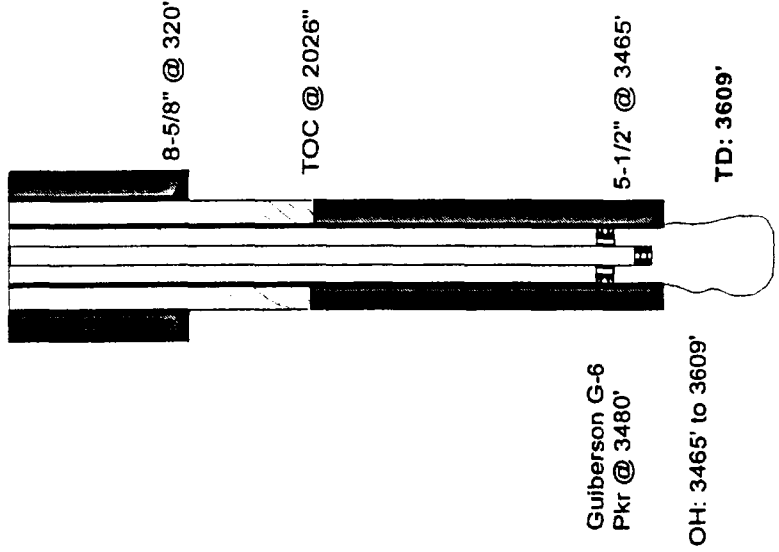
Myers Langlie Mattix Unit # 70

1980' FNL & 660' FEL, Sec 36, T-23-S, R-36-E

Lea County, New Mexico

Casing - Cement Data

Type	Size	Hole Size	Set At	Cement	TOC	Determined By
Surface	8 5/8"	11"	320'	200 sx	Surface	Circulated
Production	5 1/2"	7 3/4"	3465'	500 sx	2026'	Temperature Svy



Well Data

Injection Perfs - 3465' - 3609' (Open Hole)

Injection Tubing - 2 3/8" Fiberglass Lined

Injection Packer - Guiberson G-6

Injection Formation - Queen - Penrose

Field - Langlie Mattix Seven Rivers Queen Grayburg

New Well drilled for Injection - No

If not new well, for what purpose was the well originally drilled - Producer

Has the well ever been perforated in any other zones - No

Give the depths to and name any underlying or overlying oil or gas zones -

Guiberson G-6
Pkr @ 3480'

5-1/2" @ 3465'

OH: 3465' to 3609'

TD: 3609'

Jalmat Tansill Yates Seven Rivers - 3000'

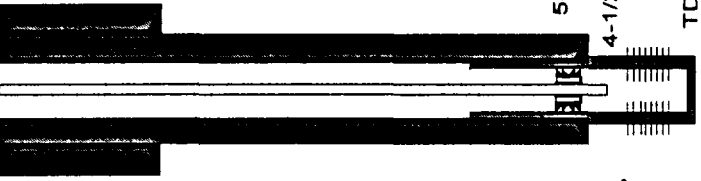
INJECTION WELL DATA SHEET

OXY USA Inc.

Myers Langlie Mattix Unit # 72
1980' FNL & 1980' FWL, Sec 31, T-23-S, R-37-E
Lea County, New Mexico

Casing - Cement Data

Type	Size	Hole Size	Set At	Cement	TOC	Determined By
Surface	8 5/8"	Unknown	1185'	500 sx	Surface	Circulated
Production	5 1/2"	Unknown	3480'	500 sx	Surface	Circulated
Liner	4 1/2"	4 7/8"	3698'	70 sx	3428'	Calculated



Well Data

Injection Perfs - 3570' - 3670'
Injection Tubing - 2 3/8" Fiberglass Lined
Injection Packer - Guiberson G-6
Injection Formation - Queen - Penrose
Field - Langlie Mattix Seven Rivers Queen Grayburg
New Well drilled for Injection - No
If not new well, for what purpose was the well originally drilled - Producer
Has the well ever been perforated in any other zones - No
Give the depths to and name any underlying or overlying oil or gas zones -

Guiberson G-6
Pkr @ 3500'

Perfs: 3570' to 3670'

4-1/2" Liner @ Top: 3428'
Bottom: 3698'

TD: 3698'

Jalmat Tansill Yates Seven Rivers - 3000'

INJECTION WELL DATA SHEET

OXY USA Inc.

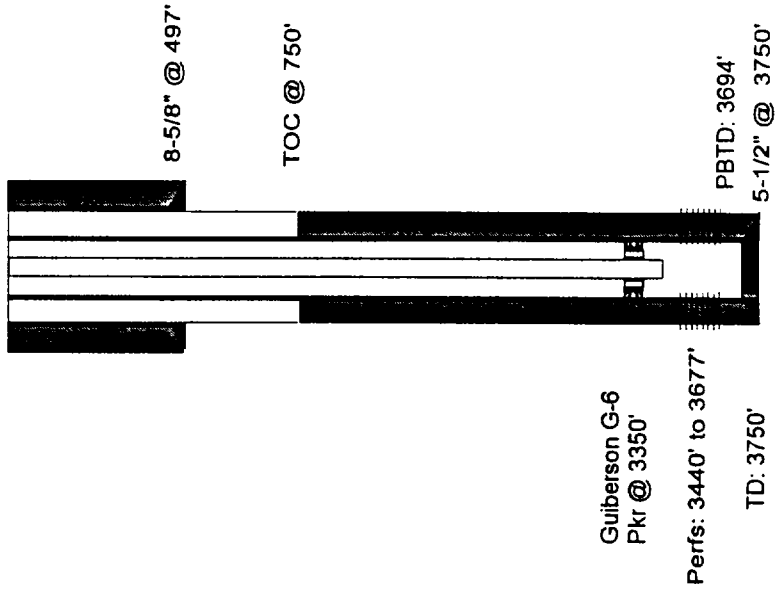
Myers Langlie Mattix Unit # 94

1980' FSL & 760' FWL, Sec 21, T-23-S, R-37-E

Lea County, New Mexico

Casing - Cement Data

Type	Size	Hole Size	Set At	Cement	TOC	Determined By
Surface	8 5/8"	12 1/4"	497'	350 sx	Surface	Circulated
Production	5 1/2"	7 7/8"	3750'	1140 sx	750'	Temperature Svy



Well Data

Injection Perfs - 3440' - 3677'
 Injection Tubing - 2 3/8" Fiberglass Lined
 Injection Packer - Guiberson G-6
 Injection Formation - Queen - Penrose
 Field - Langlie Mattix Seven Rivers Queen Grayburg
 New Well drilled for Injection - No
 If not new well, for what purpose was the well originally drilled - Producer
 Has the well ever been perforated in any other zones - No
 Give the depths to and name any underlying or overlying oil or gas zones -

Guiberson G-6
 Pkr @ 3350'

Perfs: 3440' to 3677'

TD: 3750'

PBTD: 3694'

5-1/2" @ 3750'

Jalmat Tansill Yates Seven Rivers - 3000'

INJECTION WELL DATA SHEET

OXY USA Inc.

Myers Langlie Mattix Unit # 96

1979' FSL & 1980' FEL, Sec 31, T-23-S, R-37-E

Lea County, New Mexico

Casing - Cement Data

Type	Size	Hole Size	Set At	Cement	TOC	Determined By
Surface	9 5/8"	12 1/4"	1189'	700 sx	Surface	Circulated
Production	7 "	8 3/4"	3447'	525 sx	1860'	Temperature Svy

Well Data

Injection Perfs - 3447' - 3618' (Open Hole)

Injection Tubing - 2 3/8" Fiberglass Lined

Injection Packer - Guiberson G-6

Injection Formation - Queen - Penrose

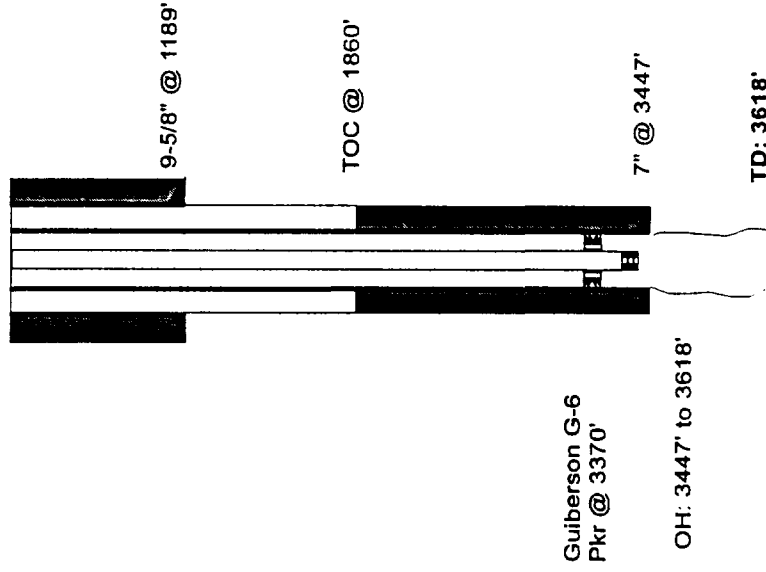
Field - Langlie Mattix Seven Rivers Queen Grayburg

New Well drilled for Injection - No

If not new well, for what purpose was the well originally drilled - Producer

Has the well ever been perforated in any other zones - No
Give the depths to and name any underlying or overlying oil or gas zones -

Jalmat Tansill Yates Seven Rivers - 3000'



INJECTION WELL DATA SHEET

OXY USA Inc.

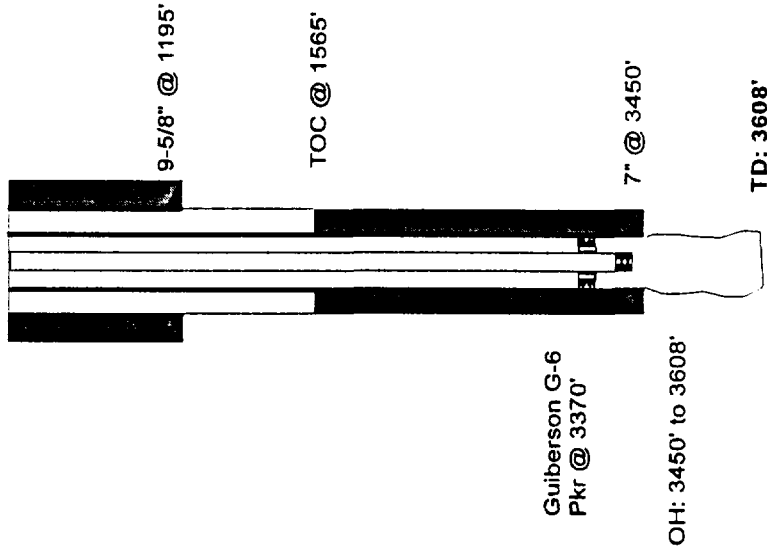
Myers Langlie Mattix Unit # 98

1980' FSL & 660' FWL, Sec 31, T-23-S, R-37-E

Lea County, New Mexico

Casing - Cement Data

Type	Size	Hole Size	Set At	Cement	TOC	Determined By
Surface	9 5/8"	12 1/4"	1195'	770 sx	Surface	Circulated
Production	7 "	8 3/4"	3450'	525 sx	1565'	Temperature Svy



Well Data

Injection Perfs - 3450' - 3608' (Open Hole)

Injection Tubing - 2 3/8" Fiberglass Lined

Injection Packer - Guiberson G-6

Injection Formation - Queen - Penrose

Field - Langlie Mattix Seven Rivers Queen Grayburg

New Well drilled for Injection - No

If not new well, for what purpose was the well originally drilled - Producer

Has the well ever been perforated in any other zones - No

Give the depths to and name any underlying or overlying oil or gas zones -

Jalmat Tansill Yates Seven Rivers - 3000'

OH: 3450' to 3608'

TD: 3608'

INJECTION WELL DATA SHEET

OXY USA Inc.

Myers Langlie Mattix Unit # 106

660' FSL & 1935' FWL, Sec 31, T-23-S, R-37-E

Lea County, New Mexico

Casing - Cement Data

Type	Size	Hole Size	Set At	Cement	TOC	Determined By
Surface	13"	17 1/4"	275'	275 sx	Surface	Circulated
Intermediate	9 5/8"	12"	1195'	700 sx	Surface	Circulated
Production	7"	8 3/4"	3453'	525 sx	2070'	Temperature Svy
Liner	4 1/2"	6 1/4"	3740'	150 sx	3113'	Circulated

Well Data

Injection Perfs - 3546' - 3627'

Injection Tubing - 2 3/8" Fiberglass Lined

Injection Packer - Guiberson G-6

Injection Formation - Queen - Penrose

Field - Langlie Mattix Seven Rivers Queen Grayburg

New Well drilled for Injection - No

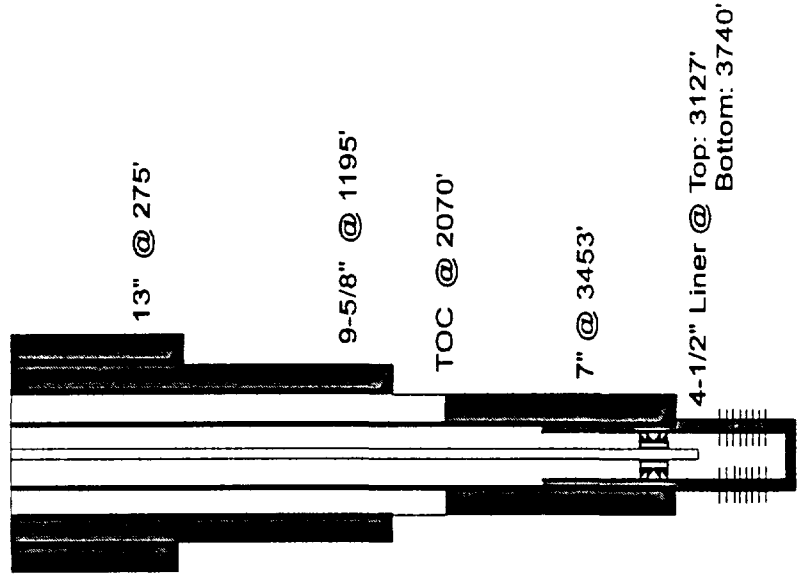
If not new well, for what purpose was the well originally drilled - Producer

Has the well ever been perforated in any other zones - No

Give the depths to and name any underlying or overlying oil or gas zones -

Guiberson G-6
Pkr @ 3470'

Jalmat Tansill Yates Seven Rivers - 3000'



INJECTION WELL DATA SHEET

OXY USA Inc.

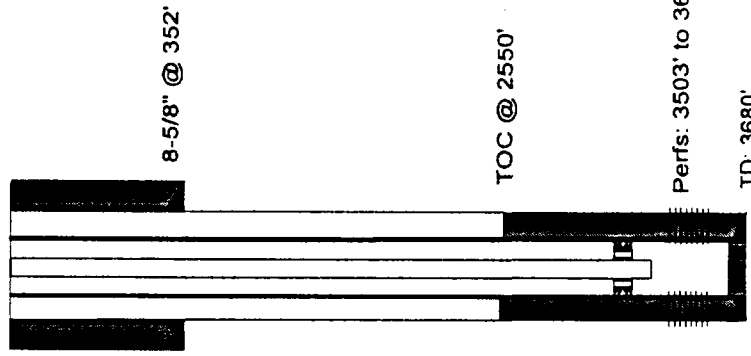
Myers Langlie Mattix Unit # 133

660' FNL & 660' FWL, Sec 5, T-24-S, R-37-E

Lea County, New Mexico

Casing - Cement Data

Type	Size	Hole Size	Set At	Cement	TOC	Determined By
Surface	8 5/8"	11"	352'	250 sx	Surface	Circulated
Production	5 1/2"	7 7/8"	3680'	300 sx	2550'	Temperature Svy



Guiberson G-6
Pkr @ 3420"

5-1/2" @ 3680'

Well Data

Injection Perfs - 3503 - 3623'

Injection Tubing - 2 3/8" Fiberglass Lined

Injection Packer - Guiberson G-6

Injection Formation - Queen - Penrose

Field - Langlie Mattix Seven Rivers Queen Grayburg

New Well drilled for Injection - No

If not new well, for what purpose was the well originally drilled - Producer

Has the well ever been perforated in any other zones - No

Give the depths to and name any underlying or overlying oil or gas zones -

Jalmat Tansill Yates Seven Rivers - 3000'

Perfs: 3503' to 3623'

TD: 3680'

INJECTION WELL DATA SHEET

OXY USA Inc.

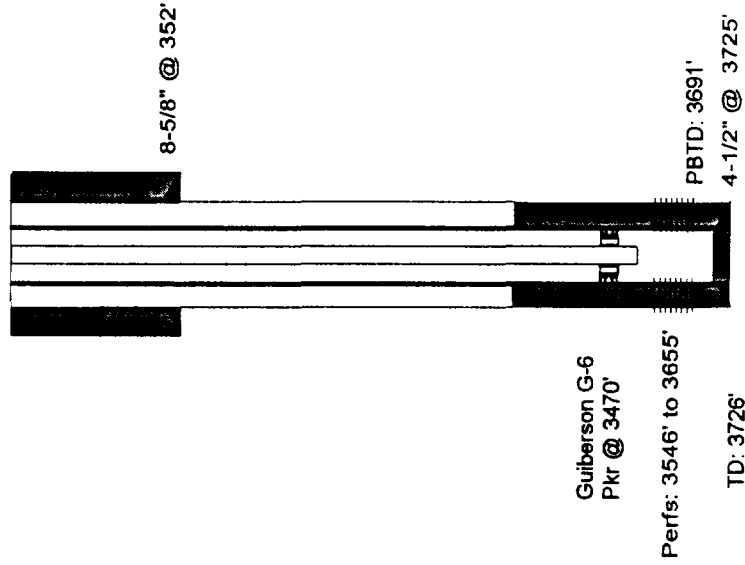
Myers Langlie Mattix Unit # 134

660' FNL & 660' FEL, Sec 6, T-24-S, R-37-E

Lea County, New Mexico

Casing - Cement Data

Type	Size	Hole Size	Set At	Cement	TOC	Determined By
Surface	8 5/8"	12 1/4"	352'	250 sx	Surface	Circulated
Production	4 1/2"	7 7/8"	3725'	300 sx	2700'	Calculated



Well Data

Injection Perfs - 3546' - 3655'

Injection Tubing - 2 3/8" Fiberglass Lined

Injection Packer - Guiberson G-6

Injection Formation - Queen - Penrose

Field - Langlie Mattix Seven Rivers Queen Grayburg

New Well drilled for Injection - No

If not new well, for what purpose was the well originally drilled - Producer

Has the well ever been perforated in any other zones - No
Give the depths to and name any underlying or overlying oil or gas zones -

Jalmat Tansill Yates Seven Rivers - 3000'

INJECTION WELL DATA SHEET

OXY USA Inc.

Myers Langlie Mattix Unit # 135

760' FNL & 2080' FEL, Sec 6, T-24-S, R-37-E

Lea County, New Mexico

Casing - Cement Data

Type	Size	Hole Size	Set At	Cement	TOC	Determined By
Surface	8 5/8"	12 1/4"	506'	350 sx	Surface	Circulated
Production	5 1/2"	7 7/8"	3813'	950 sx	Surface	Circulated



Guiberson G-6
Pkr @ 3420'

Perfs: 3502' to 3686'

TD: 3813'

PBTD: 3753'

5-1/2" @ 3813'

Well Data

Injection Perfs - 3502' - 3686'

Injection Tubing - 2 3/8" Fiberglass Lined

Injection Packer - Guiberson G-6

Injection Formation - Queen - Penrose

Field - Langlie Mattix Seven Rivers Queen Grayburg

New Well drilled for Injection - No

If not new well, for what purpose was the well originally drilled - Producer

Has the well ever been perforated in any other zones - No
Give the depths to and name any underlying or overlying oil or gas zones -

Jalmat Tansill Yates Seven Rivers - 3000'

INJECTION WELL DATA SHEET

OXY USA Inc.

Myers Langlie Mattix Unit # 137
660' FNL & 626' FWL, Sec 6, T-24-S, R-37-E
Lea County, New Mexico

Casing - Cement Data

Type	Size	Hole Size	Set At	Cement	TOC	Determined By
Surface	13 3/8"	17 1/2"	325'	300 sx	Surface	Circulated
Intermediate	9 5/8"	12 1/4"	1188'	500 sx	Surface	Circulated
Production	7"	8 3/4"	3454'	650 sx	Surface	Circulated

Well Data

13 3/8" @ 325'

9-5/8" @ 1188'

7" @ 3454'

TD: 3588'

Guiberson G-6
Pkr @ 3370'

OH: 3370' to 3527'

Injection Perfs - 3454' - 3588' (Open Hole)

Injection Tubing - 2 3/8" Fiberglass Lined

Injection Packer - Guiberson G-6

Injection Formation - Queen - Penrose

Field - Langlie Mattix Seven Rivers Queen Grayburg

New Well drilled for Injection - No

If not new well, for what purpose was the well originally drilled - Producer

Has the well ever been perforated in any other zones - No
Give the depths to and name any underlying or overlying oil or gas zones -

Jalmat Tansill Yates Seven Rivers - 3000'

INJECTION WELL DATA SHEET

OXY USA Inc.

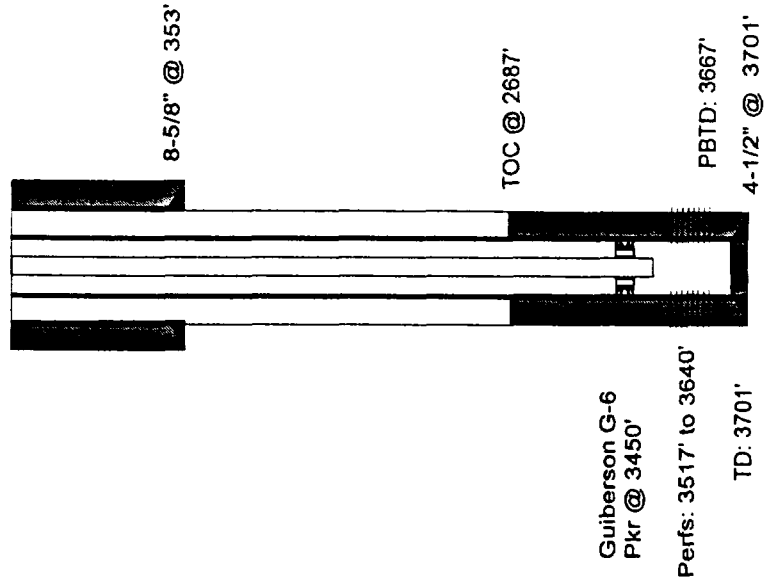
Myers Langlie Mattix Unit # 141

1961.5' FNL & 660' FEL, Sec 6, T-24-S, R-37-E

Lea County, New Mexico

Casing - Cement Data

Type	Size	Hole Size	Set At	Cement	TOC	Determined By
Surface	8 5/8"	12 1/4"	353'	250 sx	Surface	Circulated
Production	4 1/2"	7 7/8"	3701'	350 sx	2687'	Calculated



Well Data

Injection Perfs - 3517' - 3640'

Injection Tubing - 2 3/8" Fiberglass Lined

Injection Packer - Guiberson G-6

Injection Formation - Queen - Penrose

Field - Langlie Mattix Seven Rivers Queen Grayburg

New Well drilled for Injection - No

If not new well, for what purpose was the well originally drilled - Producer

Has the well ever been perforated in any other zones - No
Give the depths to and name any underlying or overlying oil or gas zones -

Guiberson G-6
Pkr @ 3450'

Perfs: 3517' to 3640'

TD: 3701'

PBTD: 3667'

4-1/2" @ 3701'

Jalmat Tansill Yates Seven Rivers - 3000'

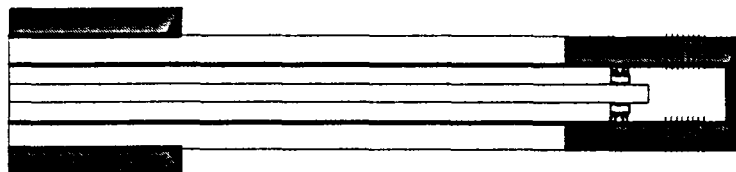
INJECTION WELL DATA SHEET

OXY USA Inc.

Myers Langlie Mattix Unit # 143
1959.54' FNL & 1905' FWL, Sec 5, T-24-S, R-37-E
Lea County, New Mexico

Casing - Cement Data

Type	Size	Hole Size	Set At	Cement	TOC	Determined By
Surface	8 5/8"	12 1/4"	349'	225 sx	Surface	Circulated
Production	4 1/2"	7 7/8"	3729'	335 sx	2755'	Calculated



Well Data

Injection Perfs - 3437' - 3680'
Injection Tubing - 2 3/8" Fiberglass Lined
Injection Packer - Guiberson G-6
Injection Formation - Queen - Penrose
Field - Langlie Mattix Seven Rivers Queen Grayburg
New Well drilled for Injection - No
If not new well, for what purpose was the well originally drilled - Producer
Has the well ever been perforated in any other zones - No
Give the depths to and name any underlying or overlying oil or gas zones -

Guiberson G-6
Pkr @ 3350'

Perfs: 3437' to 3680'

PBTD: 3686'

TD: 3729'

4-1/2" @ 3729'

Jalmat Tansill Yates Seven Rivers - 3000'

INJECTION WELL DATA SHEET

OXY USA Inc.

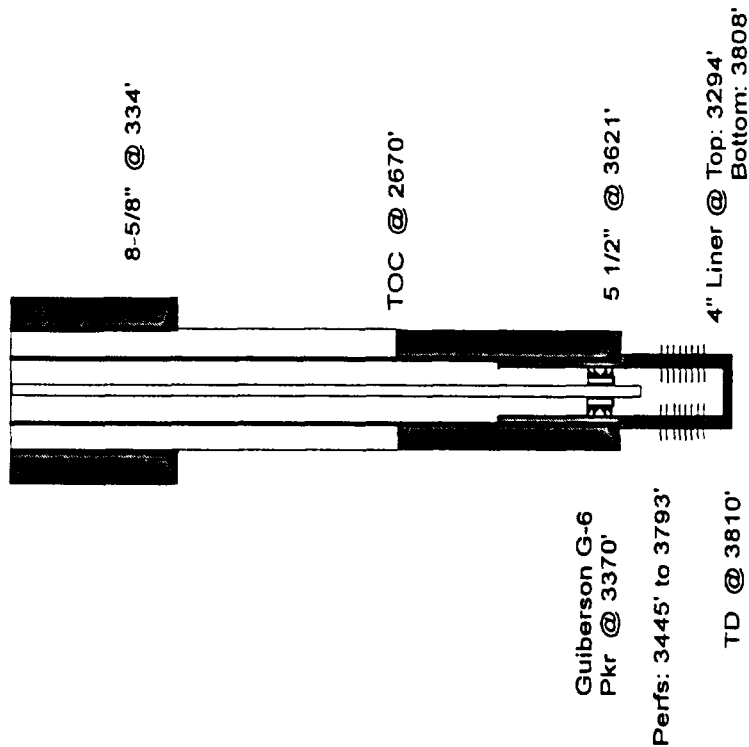
Myers Langlie Mattix Unit # 170

1980' FSL & 330' FWL, Sec 5, T-24-S, R-37-E

Lea County, New Mexico

Casing - Cement Data

Type	Size	Hole Size	Set At	Cement	TOC	Determined By
Surface	8 5/8"	12 1/4"	334'	300 sx	Surface	Circulated
Production	5 1/2"	7 7/8"	3621'	250 sx	2670'	Temperature Svy
Liner	4"	4 3/4"	3808'	100 sx	3294'	Circulated



Well Data

Injection Perfs - 3445' - 3793'

Injection Tubing - 2 3/8" Fiberglass Lined

Injection Packer - Guiberson G-6

Injection Formation - Queen - Penrose

Field - Langlie Mattix Seven Rivers Queen Grayburg

New Well drilled for Injection - No

If not new well, for what purpose was the well originally drilled - Producer

Has the well ever been perforated in any other zones - No
Give the depths to and name any underlying or overlying oil or gas zones -

Jalmat Tansill Yates Seven Rivers - 3000'

Guiberson G-6
Pkr @ 3370'

Perfs: 3445' to 3793'

TD @ 3810'

INJECTION WELL DATA SHEET

OXY USA Inc.

Myers Langlie Mattix Unit # 176

660' FSL & 660' FEL, Sec 6, T-24-S, R-37-E

Lea County, New Mexico

Casing - Cement Data

Type	Size	Hole Size	Set At	Cement	TOC	Determined By
Surface	9 5/8"	Unknown	350'	250 sx	Surface	Circulated
Production	5 1/2"	Unknown	3627'	350 sx	2180'	Temperature Svy

Well Data

Injection Perfs - 3516' - 3590'

Injection Tubing - 2 3/8" Fiberglass Lined

Injection Packer - Guiberson G-6

Injection Formation - Queen - Penrose

Field - Langlie Mattix Seven Rivers Queen Grayburg

New Well drilled for Injection - No

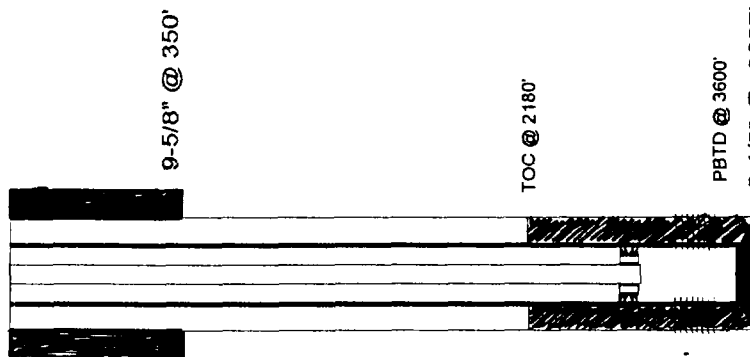
If not new well, for what purpose was the well originally drilled - Producer

Has the well ever been perforated in any other zones - No
Give the depths to and name any underlying or overlying oil or gas zones -

Guiberson G-6
Pkr @ 3450'

Perfs: 3516' to 3590'

TD @ 3627



Jalmat Tansill Yates Seven Rivers - 3000'

INJECTION WELL DATA SHEET

OXY USA Inc.

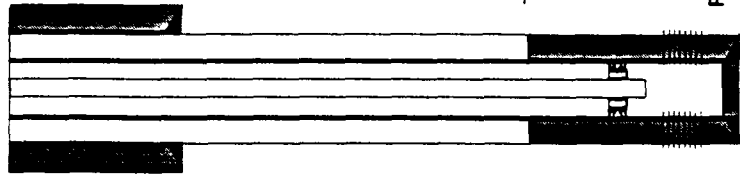
Myers Langlie Mattix Unit # 178

660' FSL & 1980' FWL, Sec 5, T-24-S, R-37-E

Lea County, New Mexico

Casing - Cement Data

Type	Size	Hole Size	Set At	Cement	TOC	Determined By
Surface	10 3/4"	13 3/4"	1086'	600 sx	Surface	Circulated
Production	7 "	8 3/4"	3620'	250 sx	2205'	Temperature Svy



Well Data

Injection Perfs - 3442' - 3570'

Injection Tubing - 2 3/8" Fiberglass Lined

Injection Packer - Guiberson G-6

Injection Formation - Queen - Penrose

Field - Langlie Mattix Seven Rivers Queen Grayburg

New Well drilled for Injection - No

If not new well, for what purpose was the well originally drilled - Producer

Has the well ever been perforated in any other zones - No
Give the depths to and name any underlying or overlying oil or gas zones -

Guiberson G-6
Pkr @ 3360'

Perfs: 3442' to 3570'

TD : 3621'

Jalmat Tansill Yates Seven Rivers - 3000'

PBTD : 3609'
7" @ 3620'

INJECTION WELL DATA SHEET

OXY USA Inc.

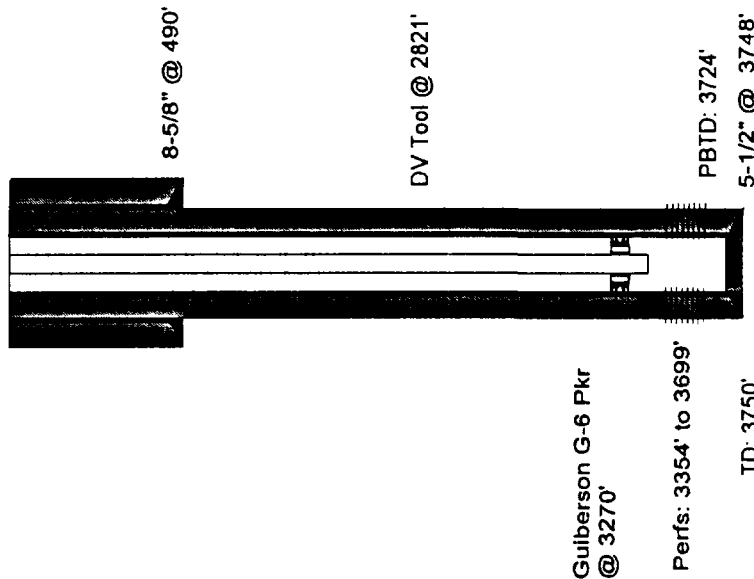
Myers Langlie Mattix Unit # 251

660' FSL & 2096' FWL, Sec 32, T-23-S, R-37-E

Lea County, New Mexico

Casing - Cement Data

Type	Size	Hole Size	Set At	Cement	TOC	Determined By
Surface	8 5/8"	12 1/4"	490'	325 sx	Surface	Circulated
Production	5 1/2"	7 7/8"	3748'	1020 sx	Surface	Circulated



Well Data

Injection Perfs - 3354' - 3699'
 Injection Tubing - 2 3/8" Fiberglass Lined
 Injection Packer - Guiberson G-6
 Injection Formation - Queen - Penrose
 Field - Langlie Mattix Seven Rivers Queen Grayburg
 New Well drilled for Injection - No
 If not new well, for what purpose was the well originally drilled - Producer
 Has the well ever been perforated in any other zones - No
 Give the depths to and name any underlying or overlying oil or gas zones -

Jalmat Tansill Yates Seven Rivers - 3000'

PBTD: 3724'

5-1/2" @ 3748'

Guiberson G-6 Pkr
 @ 3270'

Perfs: 3354' to 3699'

TD: 3750'

INJECTION WELL DATA SHEET

OXY USA Inc.

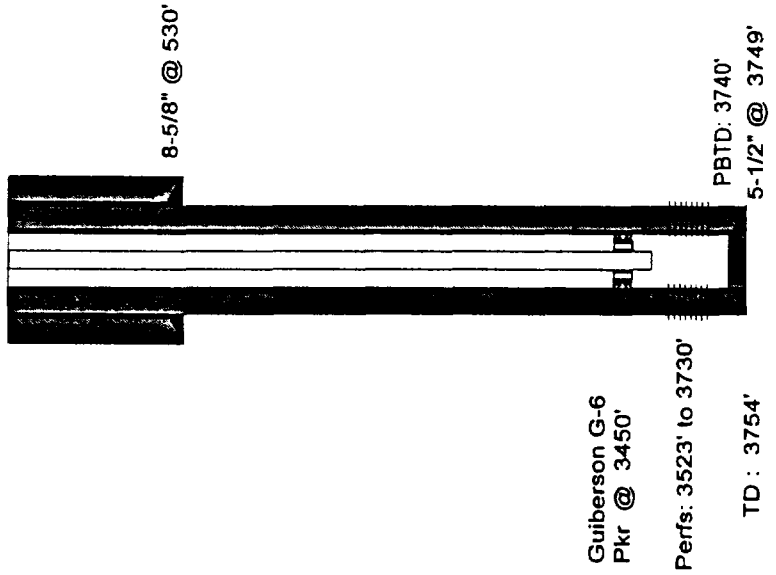
Myers Langlie Mattix Unit # 252

685' FSL & 660' FEL, Sec 32, T-23-S, R-37-E

Lea County, New Mexico

Casing - Cement Data

Type	Size	Hole Size	Set At	Cement	TOC	Determined By
Surface	8 5/8"	12 1/4"	530'	275 sx	Surface	Circulated
Production	5 1/2"	7 7/8"	3749'	750 sx	Surface	Circulated



Well Data

Injection Perfs - 3523' - 3730'

Injection Tubing - 2 3/8" Fiberglass Lined

Injection Packer - Guiberson G-6

Injection Formation - Queen - Penrose

Field - Langlie Mattix Seven Rivers Queen Grayburg

New Well drilled for Injection - No

If not new well, for what purpose was the well originally drilled - Producer

Has the well ever been perforated in any other zones - No
Give the depths to and name any underlying or overlying oil or gas zones -

Guiberson G-6
Pkr @ 3450'

Perfs: 3523' to 3730'

TD : 3754'

PBTD: 3740'

5-1/2" @ 3749'

Jalmat Tansill Yates Seven Rivers - 3000'

OFFSET WELL DATA

	Myers Langlie Mattix Unit #38	Myers Langlie Mattix Unit #63	Myers Langlie Mattix Unit #64	Myers Langlie Mattix Unit #69	Myers Langlie Mattix Unit #70
Location	660' FSL & 660' FEL Sec 25, T23S, R36E	660' FNL & 660' FEL Sec 36, T23S, R36E	660' FNL & 1980' FEL Sec 36, T23S, R36E	2030' FNL & 1980' FEL Sec 36, T23S, R36E	1980' FNL & 660' FEL Sec 36, T23S, R36E
Operator	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.
Date Drilled	December 8, 1949	April 21, 1949	June 14, 1949	January 27, 1949	February 27, 1949
Well Type	Producer	Injector	Producer	Injector	Producer
Casing	10 3/4" @ 298'	8 5/8" @ 307'	8 5/8" @ 309'	8 5/8" @ 313'	8 5/8" @ 328'
	Cmtd w/ 200 sx	Cmtd w/ 225 sx	Cmtd w/ 200 sx	Cmtd w/ 200 sx	Cmtd w/ 200 sx
	7 5/8" @ 1214'	5 1/2" @ 3485'	5 1/2" @ 3490'	5 1/2" @ 3460'	5 1/2" @ 3465'
	Cmtd w/ 500 sx	Cmtd w/ 500 sx	Cmtd w/ 500 sx	Cmtd w/ 500 sx	Cmtd w/ 500 sx
Total Depth	5 1/2" @ 3489'			4" Lnr (3065' – 3680')	
	Cmtd w/ 900 sx			Cmtd w/ 300 sx	
Completion	3635'	3600'	3600'	3680'	3609'
	Queen Open Hole (3489' – 3635')	Queen Open Hole (3485' – 3600')	Queen Open Hole (3490' – 3600')	Queen Perfs (3470' – 3638')	Queen Open Hole (3465' – 3609')

	State LMT #10	Myers Langlie Mattix Unit #99	Myers Langlie Mattix Unit #100	Holt—Mexico State #1	Myers Langlie Mattix Unit #104
Location	1860' FNL & 780' FEL Sec 36, T23S, R36E	1980' FSL & 660' FEL Sec 36, T23S, R36E	1980' FSL & 1980' FEL Sec 36, T23S, R36E	1100' FSL & 1650' FEL Sec 36, T23S, R36E	660' FSL & 660' FEL Sec 36, T23S, R36E
Operator	Amerada	OXY USA Inc.	OXY USA Inc.	Meridian	OXY USA Inc.
Date Drilled	April 2, 1980	May 26, 1949	September 26, 1948	September 10, 1985	August 5, 1949
Well Type	Producer	Injector	Producer	Producer	Producer
Casing	8 5/8" @ 339'	9 5/8" @ 322'	9 5/8" @ 328'	9 5/8" @ 445'	9 5/8" @ 307'
	Cmtd w/ 325 sx	Cmtd w/ 200 sx	Cmtd w/ 300 sx	Cmtd w/ 350 sx	Cmtd w/ 225 sx
	5 1/2" @ 2915'	5 1/2" @ 3450'	7" @ 3400'	7" @ 3550'	5 1/2" @ 3389'
	Cmtd w/ 1000 sx	Cmtd w/ 750 sx	Cmtd w/ 250 sx	Cmtd w/ 800 sx	Cmtd w/ 900 sx
Total Depth	3305'	3610'	3590'	3550'	3706'
Completion	Yates Open Hole (2915' – 3305')	Queen Open Hole (3450' – 3610')	Queen Open Hole (3400' – 3590')	Yates Perfs (2906' – 3191')	Queen Open Hole (3389' – 3706')

OFFSET WELL DATA

2

	Myers Langlie Mattix Unit #103	R.W. Cowden #1	Myers Langlie Mattix Unit #40	Myers Langlie Mattix Unit #60	Myers LM Unit #61 R.W. Cowden C #4
Location	660' FSL & 1980' FEL Sec 36, T23S, R36E	660' FSL & 1980' FWL Sec 30, T23S, R37E	660' FSL & 2080' FWL Sec 30, T23S, R37E	660' FNL & 660' FEL Sec 31, T23S, R37E	990' FNL & 1980' FWL Sec 31, T23S, R37E
Operator	OXY USA Inc.	George Livermore	OXY USA Inc.	OXY USA Inc.	OXY USA / D. Hartman
Date Drilled	June 25, 1949	February 3, 1950	December 13, 1981	September 4, 1978	November 18, 1949
Well Type	Injector	Producer (P&A)	Producer	Producer	Injector / Producer
Casing	9 5/8" @ 1168'	8 5/8" @ 1217'	8 5/8" @ 523'	8 5/8" @ 519'	8 5/8" @ 1184'
	Cmtd w/ 400 sx	Cmtd w/ 500 sx	Cmtd w/ 350 sx	Cmtd w/ 350 sx	Cmtd w/ 500 sx
	7" @ 3385'	5 1/2" @ 3498'	5 1/2" @ 3779'	5 1/2" @ 3760'	5 1/2" @ 3475'
	Cmtd w/ 350 sx	Cmtd w/ 525 sx	Cmtd w/ 1100 sx	Cmtd w/ 800 sx	Cmtd w/ 600 sx
Total Depth	5" Lnr (3069' - 3758')				
	Cmtd w/ 250 sx				
Completion	3758'	3696'	3802'	3760'	3657'
	Queen Perfs (3442' - 3648')	Queen Open Hole (3498' - 3696')	Queen Perfs (3511' - 3763')	Queen Perfs (3519' - 3690')	Queen (3475' - 3657') Yates (3000' - 3180')

	Myers Langlie Mattix Unit #1	Myers Langlie Mattix Unit #62	Myers Langlie Mattix Unit #71	Myers Langlie Mattix Unit #259	Myers Langlie Mattix Unit #72
Location	330' FNL & 430' FWL Sec 31, T23S, R37E	660' FNL & 660' FWL Sec 31, T23S, R37E	1980' FNL & 660' FWL Sec 31, T23S, R37E	2620' FNL & 1340' FWL Sec 31, T23S, R37E	1980' FNL & 1980' FWL Sec 31, T23S, R37E
Operator	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.
Date Drilled	September 20, 1980	September 7, 1949	October 3, 1949	September 1, 1994	October 23, 1949
Well Type	Pressure Observation	Producer	Injector	Producer	Producer
Casing	8 5/8" @ 518'	10 3/4" @ 236'	8 5/8" @ 1185'	8 5/8" @ 438'	8 5/8" @ 1185'
	Cmtd w/ 350 sx	Cmtd w/ 200 sx	Cmtd w/ 500 sx	Cmtd w/ 260 sx	Cmtd w/ 500 sx
	5 1/2" @ 1409'	7 5/8" @ 1185'	5 1/2" @ 3481'	5 1/2" @ 3875'	5 1/2" @ 3480'
	Cmtd w/ 600 sx	Cmtd w/ 500 sx	Cmtd w/ 600 sx	Cmtd w/ 1450 sx	Cmtd w/ 600 sx
Total Depth		5 1/2" @ 3485'	4 1/2" Lnr (3459' - 3647')		4 1/2" Lnr (3428' - 3698')
		Cmtd w/ 600 sx	Not cemented		Cmtd w/ 70 sx
Completion	1450'	3650'	3650'	3875'	3698'
	Open Hole (1409' - 1450')	Queen Open Hole (3485' - 3650')	Queen Open Hole (3481' - 3650')	Queen Perfs (3462' - 3825')	Queen Perfs (3570' - 3670')

OFFSET WELL DATA

Location	Myers Langlie Mattix Unit #73	Myers Langlie Mattix Unit #74	R.W. Cowden C #9	Myers LM Unit #95 EE Blinebry Fed A #2	Myers Langlie Mattix Unit #263
Operator	1980' FNL & 1980' FEL Sec 31, T23S, R37E OXY USA Inc.	1880' FNL & 560' FEL Sec 31, T23S, R37E OXY USA Inc.	1650' FNL & 800' FEL Sec 31, T23S, R37E Doyle Hartman	1980' FSL & 660' FEL Sec 31, T23S, R37E OXY USA Inc. / Texaco	1398' FSL & 1564' FEL Sec 31, T23S, R37E OXY USA Inc.
Date Drilled	March 23, 1950	December 14, 1977	September 10, 1982	November 13, 1960	August 16, 1994
Well Type	Injector	Producer	Producer	Injector / Producer	Producer
Casing	7 5/8" @ 1205'	8 5/8" @ 500'	8 5/8" @ 415'	8 5/8" @ 1173'	8 5/8" @ 398'
	Cmtd w/ 500 sx	Cmtd w/ 225 sx	Cmtd w/ 225 sx	Cmtd w/ 400 sx	Cmtd w/ 260 sx
	5 1/2" @ 3480'	5 1/2" @ 3708'	4 1/2" @ 3357'	5 1/2" @ 3663'	5 1/2" @ 3925'
	Cmtd w/ 600 sx	Cmtd w/ 1000 sx	Cmtd w/ 950 sx	Cmtd w/ 300 sx	Cmtd w/ 1030 sx
	4 1/2" Lnr (3422' - 3682')				
Total Depth	Cmtd w/ 75 sx	3708'	3363'	3663'	3925'
Completion	Queen Perfs (3560' - 3658')	Queen Perfs 3708'	Yates Perfs 3363'	Queen (3515' - 3618') 3663'	Queen Perfs (3519' - 3673')

Location	Myers Langlie Mattix Unit #96	Myers Langlie Mattix Unit #260	Myers Langlie Mattix Unit #262	Myers LM Unit #97 EE Blinebry Fed A #3	Myers Langlie Mattix Unit #261
Operator	1979' FSL & 1980' FEL Sec 31, T23S, R37E OXY USA Inc.	2535' FSL & 2563' FWL Sec 31, T23S, R37E OXY USA Inc.	1350' FSL & 2380' FWL Sec 31, T23S, R37E OXY USA Inc.	1980' FSL & 1980' FWL Sec 31, T23S, R37E OXY USA Inc. / Texaco	1340' FSL & 1300' FWL Sec 31, T23S, R37E OXY USA Inc.
Date Drilled	June 11, 1950	September 1, 1994	November 15, 1994	January 25, 1950	August 20, 1994
Well Type	Producer	Producer	Producer	Injector / Producer	Producer
Casing	9 5/8" @ 1189'	8 5/8" @ 396'	8 5/8" @ 435'	9 5/8" @ 1181'	8 5/8" @ 419'
	Cmtd w/ 700 sx	Cmtd w/ 260 sx	Cmtd w/ 260 sx	Cmtd w/ 700 sx	Cmtd w/ 260 sx
	7" @ 3447'	5 1/2" @ 3825'	5 1/2" @ 3850'	7" @ 3440'	5 1/2" @ 3825'
	Cmtd w/ 525 sx	Cmtd w/ 1050 sx	Cmtd w/ 1050 sx	Cmtd w/ 525 sx	Cmtd w/ 900 sx
Total Depth	3618'	3825'	3850'	3608'	3825'
Completion	Queen Open Hole 3618'	Queen Perfs (3505' - 3774')	Queen Perfs (3488' - 3671')	Queen (3440' - 3608') Yates (3037' - 3220')	Queen Perfs (3470' - 3735')

OFFSET WELL DATA

	Myers Langlie Mattix Unit #98	Myers Langlie Mattix Unit #258	Myers Langlie Mattix Unit #105	Myers Langlie Mattix Unit #106	Myers Langlie Mattix Unit #107
Location	1980' FSL & 660' FWL Sec 31, T23S, R37E	2560' FSL & 120' FWL Sec 31, T23S, R37E	660' FSL & 660' FWL Sec 31, T23S, R37E	660' FSL & 1936' FWL Sec 31, T23S, R37E	660' FSL & 1980' FEL Sec 31, T23S, R37E
Operator	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.
Date Drilled	June 19, 1949	September 7, 1994	October 23, 1949	October 31, 1951	October 13, 1950
Well Type	Producer	Producer	Injector	Producer	Injector
Casing	9 5/8" @ 1195'	8 5/8" @ 431'	9 5/8" @ 1191'	13" @ 275'	9 5/8" @ 1186'
	Cmtd w/ 770 sx	Cmtd w/ 260 sx	Cmtd w/ 700 sx	Cmtd w/ 275 sx	Cmtd w/ 700 sx
	7" @ 3450'	5 1/2" @ 3825'	7" @ 3470'	9 5/8" @ 1195'	7" @ 3450'
	Cmtd w/ 525 sx	Cmtd w/ 750 sx	Cmtd w/ 525 sx	Cmtd w/ 700 sx	Cmtd w/ 525 sx
Total Depth				7" @ 3453'	4 1/2" Lnr (3408' - 3505')
				Cmtd w/ 525 sx	Cmtd w/ 40 sx
				4 1/2" Lnr (3133' - 3740')	
				Cmtd w/ 150 sx	
Total Depth	3608'	3825'	3608'	3740'	3645'
Completion	Queen Open Hole (3450' - 3608')	Queen Perfs (3505' - 3774')	Queen Open Hole (3470' - 3608')	Queen Perfs (3546' - 3627')	Queen Open Hole (3505' - 3645')

	Myers Langlie Mattix Unit #108	Myers Langlie Mattix Unit #252	Myers Langlie Mattix Unit #57	Myers Langlie Mattix Unit #58	Myers Langlie Mattix Unit #59
Location	660' FSL & 660' FEL Sec 31, T23S, R37E	685' FSL & 660' FEL Sec 31, T23S, R37E	880' FNL & 1760' FWL Sec 32, T23S, R37E	785' FNL & 560' FWL Sec 32, T23S, R37E	660' FNL & 660' FWL Sec 32, T23S, R37E
Operator	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.	Great Western Drilling
Date Drilled	April 1, 1961	August 7, 1984	June 16, 1939	March 26, 1982	April 21, 1939
Well Type	Producer (P&A)	Producer	Injector	Producer	Producer
Casing	10 3/4" @ 294'	8 5/8" @ 530'	8 5/8" @ 1192'	8 5/8" @ 501'	8 5/8" @ 1200'
	Cmtd w/ 250 sx	Cmtd w/ 275 sx	Cmtd w/ 400 sx	Cmtd w/ 350 sx	Cmtd w/ 500 sx
	7 5/8" @ 1164'	5 1/2" @ 3749'	5 1/2" @ 3423'	5 1/2" @ 3771'	5 1/2" @ 3470'
	Cmtd w/ 400 sx	Cmtd w/ 750 sx	Cmtd w/ 200 sx	Cmtd w/ 1200 sx	Cmtd w/ 200 sx
Total Depth	2 7/8" @ 3670'		4" Liner (3229' - 3748')		
	Cmtd w/ 400 sx		Cmtd w/ 175 sx		
	3670'	3754'	3750'	3771'	3580'
Completion	Penrose perfs (3542' - 3648')	Queen Perfs (3523' - 3730')	Queen Perfs (3429' - 3674')	Queen Perfs (3477' - 3671')	Yates Perfs (2992' - 3109')

OFFSET WELL DATA

	Myers Langlie Mattix Unit #75	Myers Langlie Mattix Unit #76	Myers Langlie Mattix Unit #92	Myers Langlie Mattix Unit #93	Myers Langlie Mattix Unit #265
Location	1980' FNL & 660' FWL Sec 32, T23S, R37E	1980' FNL & 1980' FWL Sec 32, T23S, R37E	1980' FSL & 1980' FEL Sec 32, T23S, R37E	1980' FSL & 1750' FWL Sec 32, T23S, R37E	1460' FSL & 1340' FWL Sec 32, T23S, R37E
Operator	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.
Date Drilled	July 10, 1978	August 14, 1978	September 25, 1978	January 18, 1978	November 17, 1994
Well Type	Injector	Producer	Producer	Injector	Producer
Casing	8 5/8" @ 496'	8 5/8" @ 506'	8 5/8" @ 510'	8 5/8" @ 500'	8 5/8" @ 393'
	Cmtd w/ 300 sx	Cmtd w/ 350 sx	Cmtd w/ 350 sx	Cmtd w/ 300 sx	Cmtd w/ 260 sx
	5 1/2" @ 3732'	5 1/2" @ 3760'	5 1/2" @ 3756'	5 1/2" @ 3725'	5 1/2" @ 3750'
Total Depth	Cmtd w/ 1400 sx 3732'	Cmtd w/ 800 sx 3760'	Cmtd w/ 950 sx 3756'	Cmtd w/ 1100 sx 3725'	Cmtd w/ 900 sx 3750'
Completion	Queen Perfs (3643' - 3673')	Queen Perfs (3459' - 3616')	Queen Perfs (3429' - 3588')	Queen Perfs (3466' - 3652')	Queen Perfs (3411' - 3553')

	Myers Langlie Mattix Unit #94	Myers Langlie Mattix Unit #264	Shell State #13	El Paso Plant #1	State LPG Storage #1
Location	1980' FSL & 760' FWL Sec 32, T23S, R37E	1400' FSL & 160' FWL Sec 32, T23S, R37E	1980' FSL & 660' FWL Sec 32, T23S, R37E	1650' FSL & 660' FWL Sec 32, T23S, R37E	450' FSL & 780' FWL Sec 32, T23S, R37E
Operator	OXY USA Inc.	OXY USA Inc.	Christie Gas Corp.	Lanexco	Christie Gas Corp.
Date Drilled	December 4, 1980	November 17, 1994	October 30, 1979	September 27, 1979	November 2, 1952
Well Type	Producer	Producer	Salt Water Disposal	Producer	LPG Storage Well
Casing	8 5/8" @ 497'	8 5/8" @ 403'	7 5/8" @ 256'	8 5/8" @ 418'	9 5/8" @ 262'
	Cmtd w/ 350 sx	Cmtd w/ 260 sx	Cmtd w/ 180 sx	Cmtd w/ 300 sx	Cmtd w/ 168 sx
	5 1/2" @ 3750'	5 1/2" @ 3900'	4 1/2" @ 3719'	5 1/2" @ 3300'	7" @ 1521'
Total Depth	Cmtd w/ 1140 sx 3750'	Cmtd w/ 950 sx 3900'	Cmtd w/ 200 sx 3996'	Cmtd w/ 705 sx 3300'	Cmtd w/ 910 sx 1900'
Completion	Queen Perfs (3440' - 3677')	Queen Perfs (3453' - 3627')	(3866' - 3982')	Yates Perfs (3002' - 3172')	Salado Open Hole (1521' - 1900')

OFFSET WELL DATA

	State LPG Storage #2	State LPG Storage #3	State LPG Storage #4	Myers Langlie Mattix Unit #109	Myers Langlie Mattix Unit #251
Location	100' FSL & 280' FWL Sec 32, T23S, R37E	1000' FSL & 580' FWL Sec 32, T23S, R37E	1000' FSL & 1230' FWL Sec 32, T23S, R37E	660' FSL & 660' FWL Sec 32, T23S, R37E	660' FSL & 2096' FWL Sec 32, T23S, R37E
Operator	Christie Gas Corp.	Christie Gas Corp.	Christie Gas Corp.	OXY USA Inc.	OXY USA Inc.
Date Drilled	October 11, 1953	June 19, 1960	July 8, 1960	October 29, 1951	February 28, 1984
Well Type	LPG Storage Well	LPG Storage Well	LPG Storage Well	Injector	Producer
Casing	9 5/8" @ 205'	13 3/8" @ 286'	13 3/8" @ 430'	10 3/4" @ 298'	8 5/8" @ 490'
	Cmtd w/ 150 sx	Cmtd w/ 650 sx	Cmtd w/ 900 sx	Cmtd w/ 250 sx	Cmtd w/ 325 sx
	7" @ 1672'	9 5/8" @ 1655'	9 5/8" @ 1666'	7 5/8" @ 1184'	5 1/2" @ 3749'
	Cmtd w/ 700 sx	Cmtd w/ 500 sx	Cmtd w/ 600 sx	Cmtd w/ 400 sx	Cmtd w/ 1020 sx
Total Depth	5 1/2" @ 1656'			3 1/2" @ 3676'	
	Cmtd w/ 705 sx			Cmtd w/ 250 sx	
	2040'	2677'	2680'	3676'	3750'
Completion	Salado Open Hole (1672' - 2040')	Salado Open Hole (1655' - 2677')	Salado Open Hole (1666' - 2680')	Queen Perfs (3498' - 3596')	Queen Perfs (3354' - 3699')

	Myers Langlie Mattix Unit #110	Myers Langlie Mattix Unit #111	Myers Langlie Mattix Unit #112	Myers Langlie Mattix Unit #138	Vaughn B-1 #4
Location	590' FSL & 2050' FWL Sec 32, T23S, R37E	660' FSL & 2080' FEL Sec 32, T23S, R37E	990' FSL & 990' FEL Sec 32, T23S, R37E	660' FNL & 660' FEL Sec 1, T24S, R36E	660' FNL & 1980' FEL Sec 1, T24S, R36E
Operator	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.	Conoco
Date Drilled	December 13, 1961	February 18, 1978	December 23, 1953	January 2, 1950	March 5, 1950
Well Type	Producer (P&A)	Injector	Producer	Injector	Producer (P&A)
Casing	10 3/4" @ 278'	8 5/8" @ 495'	9 5/8" @ 303'	10 3/4" @ 283'	13 3/8" @ 290'
	Cmtd w/ 250 sx	Cmtd w/ 350 sx	Cmtd w/ 225 sx	Cmtd w/ 200 sx	Cmtd w/ 300 sx
	7 5/8" @ 1174'	5 1/2" @ 3725'	7" @ 3660'	7 5/8" @ 1208'	8 5/8" @ 1208'
	Cmtd w/ 400 sx	Cmtd w/ 850 sx	Cmtd w/ 325 sx	Cmtd w/ 500 sx	Cmtd w/ 500 sx
Total Depth	2 7/8" @ 3669'			5 1/2" @ 3449'	5 1/2" @ 3438'
	Cmtd w/ 250 sx			Cmtd w/ 500 sx	Cmtd w/ 647 sx
	3670'	3727'	3660'	3609'	3593'
Completion	Queen Perfs (3459' - 3538')	Queen Perfs (3385' - 3682')	Queen Perfs (3420' - 3590')	Queen Open Hole (3449' - 3609')	Yates Open Hole (3438' - 3593')

OFFSET WELL DATA

	Vaughn B-1 #1	Vaughn B-1 #7	Myers Langlie Mattix Unit #131	Myers Langlie Mattix Unit #132	Myers Langlie Mattix Unit #269
Location	1650' FNL & 990' FEL Sec 1, T24S, R36E	1980' FNL & 660' FEL Sec 1, T24S, R36E	660' FNL & 1980' FEL Sec 5, T24S, R37E	660' FNL & 1980' FEL Sec 5, T24S, R37E	238' FNL & 1274' FWL Sec 5, T24S, R37E
Operator	Conoco	Conoco	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.
Date Drilled	October 20, 1947	September 6, 1977	September 2, 1978	May 14, 1962	September 20, 1994
Well Type	Producer	Producer	Producer	Injector	Producer
Casing	7 5/8" @ 1195' Cmtd w/ 550 sx 5 1/2" @ 2879' Cmtd w/ 550 sx	8 5/8" @ 1186' Cmtd w/ 625 sx 5 1/2" @ 3683' Cmtd w/ 1450 sx	8 5/8" @ 516' Cmtd w/ 300 sx 5 1/2" @ 3755' Cmtd w/ 850 sx	8 5/8" @ 352' Cmtd w/ 225 sx 4 1/2" @ 3734' Cmtd w/ 335 sx	8 5/8" @ 426' Cmtd w/ 260 sx 5 1/2" @ 3775' Cmtd w/ 900 sx
Total Depth	3171'	3695'	3755'	3734'	3775'
Completion	Yates Open Hole (2879' - 3171')	Queen Perfs (3470' - 3606')	Queen Perfs (3472' - 3621')	Queen Perfs (3430' - 3694')	Queen Perfs (3466' - 3708')

	Myers Langlie Mattix Unit #133	Myers Langlie Mattix Unit #142	Myers B Federal RA B #30	Myers Langlie Mattix Unit #271	Myers Langlie Mattix Unit #273
Location	660' FNL & 660' FWL Sec 5, T24S, R37E	1962' FNL & 660' FWL Sec 5, T24S, R37E	1650' FNL & 600' FWL Sec 5, T24S, R37E	1340' FNL & 1030' FWL Sec 5, T24S, R37E	2533' FNL & 1350' FWL Sec 5, T24S, R37E
Operator	OXY USA Inc.	OXY USA Inc.	Amoco	OXY USA Inc.	OXY USA Inc.
Date Drilled	February 12, 1962	March 1, 1962	December 20, 1977	September 7, 1994	September 27, 1994
Well Type	Producer	Injector	Producer (P&A)	Producer	Producer
Casing	8 5/8" @ 352' Cmtd w/ 250 sx 5 1/2" @ 3680' Cmtd w/ 300 sx	8 5/8" @ 353' Cmtd w/ 255 sx 4 1/2" @ 3691' Cmtd w/ 350 sx	8 5/8" @ 1175' Cmtd w/ 500 sx 5 1/2" @ 3405' Cmtd w/ 670 sx	8 5/8" @ 402' Cmtd w/ 260 sx 5 1/2" @ 3900' Cmtd w/ 950 sx	8 5/8" @ 418' Cmtd w/ 260 sx 5 1/2" @ 3800' Cmtd w/ 900 sx
Total Depth	3680'	3691'	3405'	3900'	3800'
Completion	Queen Perfs (3503' - 3623')	Queen Perfs (3464' - 3644')	Yates Perfs (3054' - 3190')	Queen Perfs (3472' - 3719')	Queen Perfs (3460' - 3713')

OFFSET WELL DATA

Location	Myers Langlie Mattix Unit #143	Myers Langlie Mattix Unit #144	Myers Langlie Mattix Unit #168	Myers Langlie Mattix Unit #169	Courtland Myers #10
Operator	1960' FNL & 1905' FWL Sec 5, T24S, R37E OXY USA Inc.	1966' FNL & 1980' FEL Sec 5, T24S, R37E OXY USA Inc.	1980' FSL & 1980' FEL Sec 5, T24S, R37E OXY USA Inc.	1980' FSL & 1980' FWL Sec 5, T24S, R37E OXY USA Inc.	1720' FSL & 1980' FWL Sec 5, T24S, R37E Meridian
Date Drilled	March 14, 1962	July 17, 1961	August 16, 1978	July 21, 1961	December 21, 1991
Well Type	Producer	Injector	Producer	Injector	Producer
Casing	8 5/8" @ 349'	7 5/8" @ 1175'	8 5/8" @ 520'	8 5/8" @ 325'	8 5/8" @ 425'
	Cmtd w/ 225 sx	Cmtd w/ 480 sx	Cmtd w/ 350 sx	Cmtd w/ 300 sx	Cmtd w/ 300 sx
	4 1/2" @ 3729'	4 1/2" @ 3687'	5 1/2" @ 3774'	5 1/2" @ 3597'	4 1/2" @ 3470'
	Cmtd w/ 335 sx	Cmtd w/ 500 sx	Cmtd w/ 1000 sx	Cmtd w/ 300 sx	Cmtd w/ 900 sx
Total Depth	3729'	3687'	3774'	3597'	3470'
Completion	Queen Perfs (3437' - 3680')	Queen Perfs (3410' - 3618')	Queen Perfs (3420' - 3638')	Queen Perfs (3534' - 3588')	Yates Perfs (2852' - 3182')

Location	Myers Langlie Mattix Unit #275	Myers Langlie Mattix Unit #170	Myers Langlie Mattix Unit #274	Myers LM Unit #177	Myers Langlie Mattix Unit #178
Operator	1340' FSL & 1340' FWL Sec 5, T24S, R37E OXY USA Inc.	1980' FSL & 330' FWL Sec 5, T24S, R37E OXY USA Inc.	1300' FSL & 120' FWL Sec 5, T24S, R37E OXY USA Inc.	660' FSL & 990' FWL Sec 5, T24S, R37E OXY USA Inc. / Meridian	660' FSL & 1980' FWL Sec 5, T24S, R37E OXY USA Inc.
Date Drilled	November 10, 1994	June 11, 1961	November 18, 1994	November 1, 1954	January 25, 1956
Well Type	Producer	Producer	Producer	Injector/ Producer	Producer
Casing	8 5/8" @ 411'	8 5/8" @ 334'	8 5/8" @ 394'	10 3/4" @ 391'	10 3/4" @ 1086'
	Cmtd w/ 260 sx	Cmtd w/ 300 sx	Cmtd w/ 260 sx	Cmtd w/ 250 sx	Cmtd w/ 600 sx
	5 1/2" @ 3800'	5 1/2" @ 3621'	5 1/2" @ 3823'	7" @ 3455'	7" @ 3620'
	Cmtd w/ 925 sx	Cmtd w/ 250 sx	Cmtd w/ 950 sx	Cmtd w/ 350 sx	Cmtd w/ 250 sx
Casing		4" Lnr (3286' - 3808')			
		Cmtd w/ 100 sx			
Total Depth	3800'	3810'	3825'	3561'	3621'
Completion	Queen Perfs (3458' - 3711')	Queen Perfs (3445' - 3793')	Queen Perfs (3454' - 3715')	Queen (3455' - 3561') Yates (3107' - 3152')	Queen Perfs (3442' - 3598')

OFFSET WELL DATA

	Myers Langlie Mattix Unit #179	Myers Langlie Mattix Unit #268	Myers Langlie Mattix Unit #134	Myers Langlie Mattix Unit #267	Myers Langlie Mattix Unit #135
Location	660' FSL & 1980' FEL Sec 5, T24S, R37E	139' FNL & 372' FEL Sec 6, T24S, R37E	660' FNL & 660' FEL Sec 6, T24S, R37E	190' FNL & 1460' FEL Sec 6, T24S, R37E	760' FNL & 2080' FEL Sec 6, T24S, R37E
Operator	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.
Date Drilled	May 26, 1955	September 17, 1994	January 25, 1962	September 10, 1994	September 1, 1978
Well Type	Injector	Producer	Temporarily Abandoned	Producer	Producer
Casing	9 5/8" @ 1180'	8 5/8" @ 429'	8 5/8" @ 352'	8 5/8" @ 396'	8 5/8" @ 506'
	Cmtd w/ 750 sx	Cmtd w/ 260 sx	Cmtd w/ 250 sx	Cmtd w/ 260 sx	Cmtd w/ 350 sx
	7" @ 3455'	5 1/2" @ 3850'	4 1/2" @ 3725'	5 1/2" @ 3881'	5 1/2" @ 3813'
Total Depth	Cmtd w/ 450 sx	Cmtd w/ 900 sx	Cmtd w/ 300 sx	Cmtd w/ 825 sx	Cmtd w/ 950 sx
	3570'	3850'	3726'	3882'	3813'
Completion	Queen Perfs (3401' - 321') OH (3455' - 3570')	Queen Perfs (3516' - 3775')	Queen Perfs (3546' - 3655')	Queen Perfs (3533' - 3808')	Queen Perfs (3502' - 3686')

	Myers B Federal RA B #11	Myers Langlie Mattix Unit #266	Myers LM Unit #136 Carter Eaves A #1	Myers Langlie Mattix Unit #256	Myers Langlie Mattix Unit #137
Location	660' FNL & 1980' FEL Sec 6, T24S, R37E	100' FNL & 2556' FWL Sec 6, T24S, R37E	660' FNL & 1980' FWL Sec 6, T24S, R37E	105' FNL & 1310' FWL Sec 6, T24S, R37E	660' FNL & 626' FWL Sec 6, T24S, R37E
Operator	Amoco	OXY USA Inc.	OXY USA / D. Hartman	OXY USA Inc.	OXY USA Inc.
Date Drilled	December 5, 1951	August 17, 1994	July 7, 1951	March 21, 1986	June 2, 1950
Well Type	Producer (P&A)	Producer	Injector / Producer	Producer	Producer
Casing	8 5/8" @ 120'	8 5/8" @ 402'	13 3/8" @ 331'	8 5/8" @ 1055'	13 3/8" @ 325'
	Cmtd w/ 300 sx	Cmtd w/ 260 sx	Cmtd w/ 350 sx	Cmtd w/ 800 sx	Cmtd w/ 300 sx
	7" @ 3461'	5 1/2" @ 3848'	5 1/2" @ 3460'	5 1/2" @ 3758'	9 5/8" @ 1188'
Total Depth	Cmtd w/ 200 sx	Cmtd w/ 1250 sx	Cmtd w/ 1300 sx	Cmtd w/ 725 sx	Cmtd w/ 500 sx
					7" @ 3454'
Completion	3712'	3850'	3615'	3760'	Cmtd w/ 400 sx
	Yates Perfs (2994' - 3230')	Queen Perfs (3490' - 3822')	Queen (3460' - 3615') Yates (3008' - 3194')	Queen Perfs (3542' - 3743')	Queen Open Hole (3454' - 3588')

OFFSET WELL DATA

	Carter Eaves A #2	Jim Camp WN #2	Myers Langlie Mattix Unit #139	Myers Langlie Mattix Unit #140	Myers B Federal RA B #31
Location	660' FNL & 924' FWL Sec 6, T24S, R37E	1980' FNL & 660' FWL Sec 6, T24S, R37E	1980' FNL & 1980' FWL Sec 6, T24S, R37E	1968' FNL & 1980' FEL Sec 6, T24S, R37E	1650' FNL & 1830' FEL Sec 6, T24S, R37E
Operator	Doyle Hartman	Arco	OXY USA Inc.	OXY USA Inc.	Amoco
Date Drilled	February 11, 1991	September 25, 1980	March 25, 1954	April 7, 1962	December 31, 1977
Well Type	Producer	Producer	Producer	Injector (P&A)	Producer
Casing	13 3/8" @ 454'	12 3/4" @ 30'	9 5/8" @ 354'	8 5/8" @ 352'	8 5/8" @ 1193'
	Cmtd w/ 700 sx	Cmtd w/ 25 sx	Cmtd w/ 400 sx	Cmtd w/ 225 sx	Cmtd w/ 550 sx
	7" @ 3594'	8 5/8" @ 1180'	7" @ 3464'	4 1/2" @ 3696'	5 1/2" @ 3400'
	Cmtd w/ 1525 sx	Cmtd w/ 400 sx	Cmtd w/ 460 sx	Cmtd w/ 335 sx	Cmtd w/ 600 sx
Total Depth	3600'	5 1/2" @ 3450 Cmtd w/ 500 sx	3620'	3696'	3400'
Completion	Yates Perfs (2972' - 3265')	Queen Perfs (3450' - 3570')	Queen Open Hole (3464' - 3620')	Queen Perfs (3486' - 3644')	Yates Perfs (3035' - 3194')

	Myers Langlie Mattix Unit #141	Myers Langlie Mattix Unit #270	Myers Langlie Mattix Unit #272	Myers Langlie Mattix Unit #171	Myers Langlie Mattix Unit #172
Location	1962' FNL & 660' FEL Sec 6, T24S, R37E	1410' FNL & 90' FEL Sec 6, T24S, R37E	2620' FNL & 90' FEL Sec 6, T24S, R37E	1980' FSL & 660' FEL Sec 6, T24S, R37E	1970' FSL & 1980' FEL Sec 6, T24S, R37E
Operator	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.	OXY USA Inc.
Date Drilled	February 24, 1962	September 7, 1994	September 18, 1994	May 8, 1961	August 5, 1954
Well Type	Producer	Producer	Producer	Injector	Producer
Casing	8 5/8" @ 353'	8 5/8" @ 433'	8 5/8" @ 404'	8 5/8" @ 326'	10 3/4" @ 387'
	Cmtd w/ 250 sx	Cmtd w/ 260 sx	Cmtd w/ 260 sx	Cmtd w/ 300 sx	Cmtd w/ 250 sx
	4 1/2" @ 3701'	5 1/2" @ 3850'	5 1/2" @ 3875'	5 1/2" @ 3629'	7" @ 3476'
	Cmtd w/ 350 sx	Cmtd w/ 900 sx	Cmtd w/ 850 sx	Cmtd w/ 250 sx	Cmtd w/ 300 sx
Total Depth	3701'	3850'	3875'	3630'	3589'
Completion	Queen Perfs (3490' - 3640')	Queen Perfs (3505' - 3756')	Queen Perfs (3490' - 3748')	Queen Perfs (3488' - 3620')	Queen Perfs (3476' - 3589')

OFFSET WELL DATA

Location	Myers Langlie Mattix Unit #174	Myers Langlie Mattix Unit #175	Courtland Myers #9	Myers Langlie Mattix Unit #176	Myers Langlie Mattix Unit #202
Operator	660' FSL & 1917' FWL Sec 6, T24S, R37E	990' FSL & 1650' FEL Sec 6, T24S, R37E	760' FSL & 960' FEL Sec 6, T24S, R37E	660' FSL & 660' FEL Sec 6, T24S, R37E	660' FNL & 660' FEL Sec 7, T24S, R37E
Date Drilled	OXY USA Inc.	OXY USA Inc.	Meridian	OXY USA Inc.	OXY USA Inc.
Well Type	September 9, 1954 Producer	June 22, 1961 Injector	July 5, 1982 Producer	October 6, 1956 Producer	March 8, 1962 Injector
Casing	9 5/8" @ 363' Cmtd w/ 400 sx	8 5/8" @ 349' Cmtd w/ 300 sx	8 5/8" @ 377' Cmtd w/ 300 sx	9 5/8" @ 350' Cmtd w/ 250 sx	8 5/8" @ 360' Cmtd w/ 225 sx
	7" @ 3419' Cmtd w/ 525 sx	5 1/2" @ 3620' Cmtd w/ 250 sx	5 1/2" @ 3300' Cmtd w/ 700 sx	5 1/2" @ 3627' Cmtd w/ 350 sx	4 1/2" @ 3671' Cmtd w/ 350 sx
Total Depth	3625'	3620'	3300'	3627'	3671'
Completion	Queen Open Hole (3419' - 3625')	Queen Perfs (3477' - 3617')	Yates Perfs (2930' - 3180')	Queen Perfs (3516' - 3590')	Queen Perfs (3446' - 3600')

Location	Myers Langlie Mattix Unit #203	Myers B Federal RA B #33	Myers Langlie Mattix Unit #213	Myers Langlie Mattix Unit #199	Hodge #2
Operator	660' FNL & 1980' FEL Sec 7, T24S, R37E	940' FNL & 2090' FEL Sec 7, T24S, R37E	1980' FNL & 660' FEL Sec 7, T24S, R37E	660' FNL & 1980' FEL Sec 7, T24S, R37E	330' FNL & 2310' FEL Sec 7, T24S, R37E
Date Drilled	OXY USA Inc.	Amoco	OXY USA Inc.	OXY USA Inc.	Meridian
Well Type	May 3, 1962 Producer	June 26, 1978 Producer	September 27, 1947 Producer	September 12, 1954 Producer	July 15, 1954 Producer
Casing	8 5/8" @ 354' Cmtd w/ 225 sx	8 5/8" @ 1205' Cmtd w/ 500 sx	13 3/8" @ 328' Cmtd w/ 300 sx	8 5/8" @ 286' Cmtd w/ 225 sx	8 5/8" @ 281' Cmtd w/ 200 sx
	4 1/2" @ 3703' Cmtd w/ 335 sx	5 1/2" @ 3450' Cmtd w/ 575 sx	9 5/8" @ 1248' Cmtd w/ 405 sx	5 1/2" @ 3390' Cmtd w/ 300 sx	5 1/2" @ 2821' Cmtd w/ 200 sx
Total Depth	3705'	3456'	3574'	3561'	3080'
Completion	Queen Perfs (3466' - 3601')	Yates Perfs (2977' - 3207')	Queen Open Hole (3400' - 3574')	Queen Open Hole (3390' - 3561')	Yates Open Hole (2821' - 3080')

OFFSET WELL DATA

12

	Myers Langlie Mattix Unit #200	Myers Langlie Mattix Unit #201	E.E. Jack #5	Myers Langlie Mattix Unit #215	Myers Langlie Mattix Unit #68
Location	660' FNL & 1980' FWL Sec 7, T24S, R37E	660' FNL & 760' FWL Sec 7, T24S, R37E	990' FNL & 660' FWL Sec 7, T24S, R37E	1980' FNL & 1980' FWL Sec 7, T24S, R37E	1980' FNL & 1980' FWL Sec 36, T23S, R36E
Operator	OXY USA Inc.	OXY USA Inc.	Meridian	OXY USA Inc.	OXY USA Inc.
Date Drilled	February 15, 1955	March 17, 1955	September 28, 1985	January 29, 1955	January 6, 1949
Well Type	Injector	Producer	Producer	Producer	Producer (P&A)
Casing	8 5/8" @ 297'	9 5/8" @ 285'	9 5/8" @ 402'	9 5/8" @ 288'	8 5/8" @ 317'
	Cmtd w/ 225 sx	Cmtd w/ 225 sx	Cmtd w/ 200 sx	Cmtd w/ 225 sx	Cmtd w/ 176 sx
	5 1/2" @ 3420'	7" @ 3400'	7" @ 3498'	7" @ 3410'	5 1/2" @ 3455'
	Cmtd w/ 300 sx	Cmtd w/ 300 sx	Cmtd w/ 1150 sx	Cmtd w/ 400 sx	Cmtd w/ 500 sx
		4 1/2" Lnr (3112' - 3741')			
Total Depth	3562'	Cmtd w/ 125 sx 3741'	3500'	3560'	3600'
Completion	Queen Open Hole (3420' - 3562')	Queen Perfs (3450' - 3661')	Yates Perfs (2768' - 3164')	Queen Open Hole (3410' - 3560')	Queen Open Hole (3455' - 3600')

ELEVATION: KB: N.A.
GL: N.A.

LIVERMORE - R.W. CONDEN #1
660' FSL & 1980' FWL SEC 30 T23S R37E
LEA COUNTY, NEW MEXICO

ELEVATION: KB: N.A.
GL: N.A.

WELL COMPLETED: FEBRUARY 3, 1950

WELL PLUGGED: JULY 19, 1950

WELL REPLUGGED: AUGUST 1978

20 SX CNT PLUG (50' - 0')

30 SX CNT PLUG (1267' - 1167')

8 5/8" SURFACE CASING @ 1217'
CMTD W/ 500 SX CMT CIRC

	SURFACE	PRODUCTION
SIZE	8 5/8"	5 1/2"
WEIGHT	28 #	15.5 #
GRADE	N.A.	N.A.
THREAD	N.A.	N.A.
DEPTH	1217'	3400'

30 SX CNT PLUG (3050' - 2950')

TOP OF 5 1/2" CSG STUB @ 3000'

5 1/2" CS6 @ 3498' CMTD W/ 525 SX

25 SX CNT PLUG (3696' - 3470')

TD # 3696'

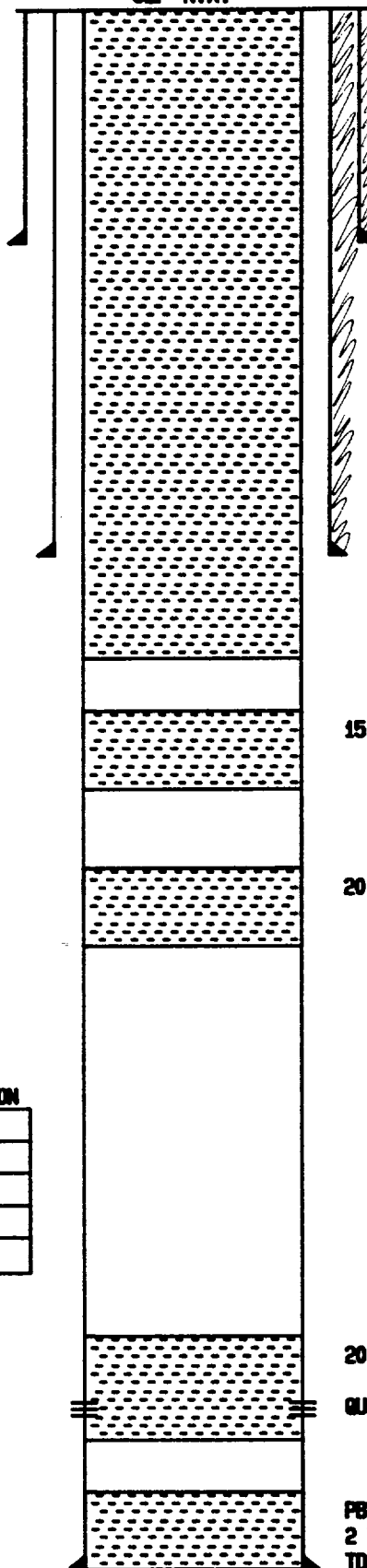
PREPARED BY: SCOTT E. GENGLER
DATE : April 25, 1994

OXY - MYERS LANGLIE MATTIX UNIT #108
 660' FSL & 660' FEL SEC 31 T23S R37E
 LEA COUNTY, NEW MEXICO

ELEVATION KB: N.A.
 GL: N.A.

WELL COMPLETED: APRIL 1, 1961

WELL PLUGGED: MAY 1, 1984



10 3/4" SURFACE CASING @ 294'
 CMTD W/ 250 SX CMT CIRC

70 SX CMT PLUG (1490' - 0')

7 5/8" INTERMEDIATE CASING @ 1164'
 CMTD W/ 400 SX CMT CIRC

15 SX CMT PLUG (2108' - 1508')

20 SX CMT PLUG (2208' - 2208')

20 SX CMT PLUG (3663' - 3404')

QUEEN PERFS (3542' - 3648')

P8TD @ 3663'
 2 7/8" CS @ 3670' CMTD W/ 400 SX
 TD @ 3670'

	SURFACE	INTERMED	PRODUCTION
SIZE	10 3/4"	7 5/8"	2 7/8"
WEIGHT	24 #	24 #	6.4 #
GRADE	H-40	H-40	J-85
THREAD	N.A.	N.A.	8RD
DEPTH	294'	1164'	3670'

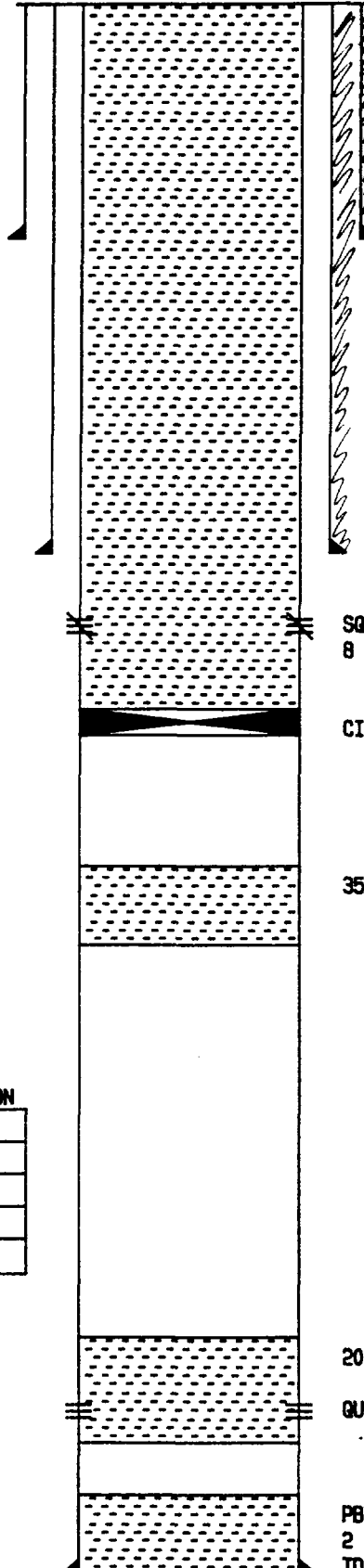
PREPARED BY: SCOTT E. GENGLER
 DATE : May 1, 1994

OXY - MYERS LANGLEY MATTIX UNIT #110
590' FSL & 2050' FWL SEC 32 T23S R37E
LEA COUNTY, NEW MEXICO

ELEVATION: KB: N.A.
GL: N.A.

WELL COMPLETED: DECEMBER 13, 1961

WELL PLUGGED: MARCH 11, 1983



10 3/4" SURFACE CASING @ 278'
CMTD W/ 250 SX CMT CIRC

80ZD PERFS (1197' - 1198') W/ 350 SX
CMT CIRC

7 5/8" INTERMEDIATE CASING @ 1174'
CMTD W/ 400 SX CMT CIRC

SQUEEZE PERFS (1197' - 1198')
8 SX CMT PLUG (1506' - 1200')

CIBP @ 1506'

35 SX CMT PLUG (2700' - 2206')

20 SX CMT PLUG (3557' - 3020')

QUEEN PERFS (3459' - 3521')

PBTD @ 3663'
2 7/8" CS6 @ 3669' CMTD W/ 250 SX
TD @ 3670'

	SURFACE	INTERMED	PRODUCTION
SIZE	10 3/4"	7 5/8"	2 7/8"
WEIGHT	21.6#	15.29#	6.4 #
GRADE	H-40	H-40	J-55
THREAD	N.A.	N.A.	10RD
DEPTH	278'	1174'	3669'

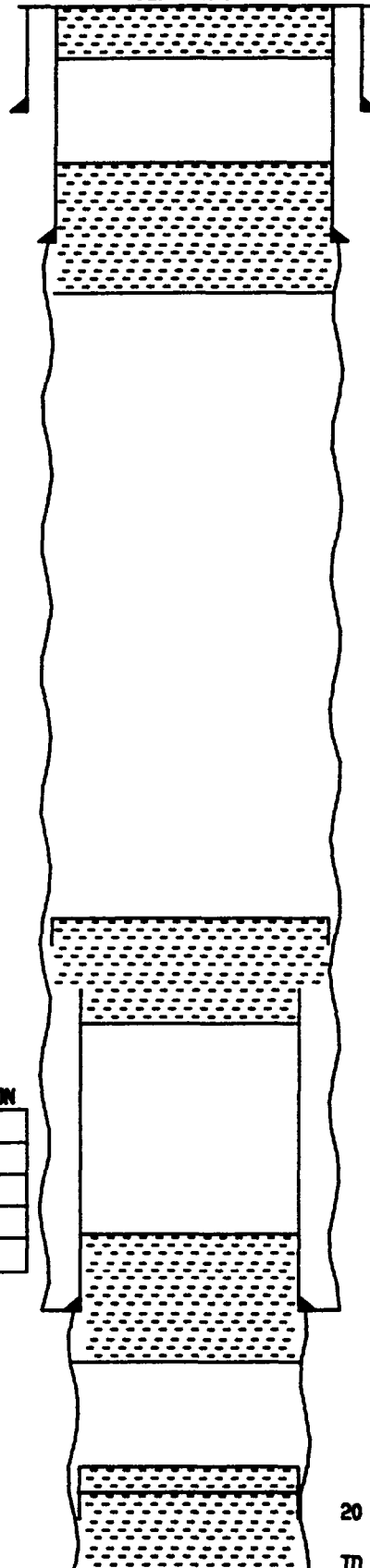
PREP'D BY: SCOTT E. GENGLER
DATE : OCTOBER 17, 1994

CONOCO - VAUGHN B-1 #4
 660' FNL & 1980' FEL SEC 1 T24S R36E
 LEA COUNTY, NEW MEXICO

ELEVATION: KB: N.A.
 GL: N.A.

WELL COMPLETED: March 5, 1950

WELL PLUGGED: OCTOBER 14, 1951



32 SX CMT PLUG (100' - 0')

13 3/8" SURFACE CS6 @ 290'
 CMTD W/ 300 SX

38 SX CMT PLUG (1300' - 1140')

8 5/8" SURFACE CASING @ 1201'
 CMTD W/ 500 SX

30 SX CMT PLUG (2200' - 2100')

TOP OF 5 1/2" CS6 STUB @ 2121'

15 SX CMT PLUG (3488' - 3388')

5 1/2" CS6 @ 3438' CMTD W/ 647 SX

20 SX CMT PLUG (3593' - 3540')

TD @ 3593'

	SURFACE	INTERMED	PRODUCTION
SIZE	13 3/8"	8 5/8"	5 1/2"
WEIGHT	N.A.	N.A.	N.A.
GRADE	N.A.	N.A.	N.A.
THREAD	N.A.	N.A.	N.A.
DEPTH	290'	1201'	3438'

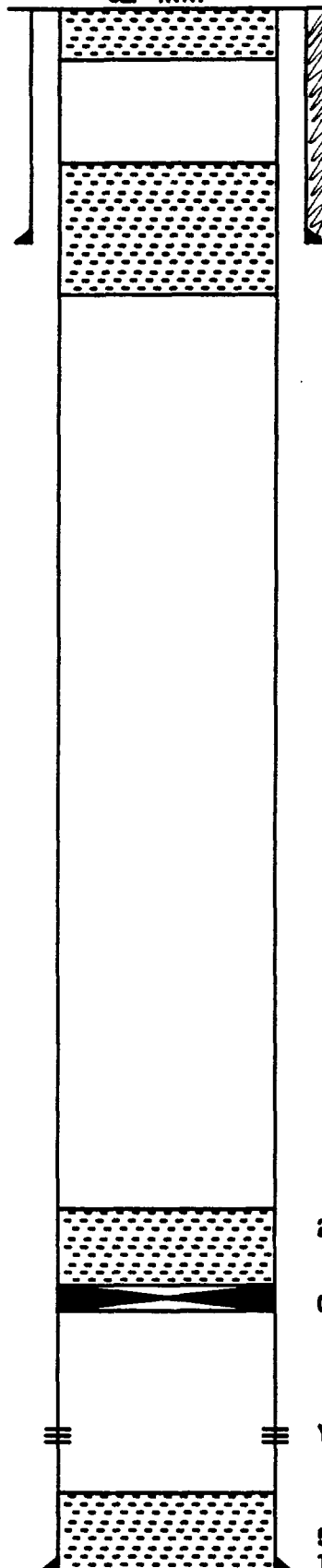
PREP'D BY: SCOTT E. GENGLER
 DATE : April 29, 1994

AMOCO - MYERS B FEDERAL RA B #30
1650' FNL & 600' FNL SEC 5 T24S R37E
LEA COUNTY, NEW MEXICO

ELEVATION: KB: N.A.
GL: N.A.

WELL COMPLETED: DECEMBER 20, 1977

WELL PLUGGED: AUGUST 23, 1993



25 SX CNT PLUG (100' - 0')

25 SX CNT PLUG (1225' - 1125')

8 5/8" SURFACE CASING @ 1175'
CMTD W/ 500 SX CNT CIRC

25 SX CNT PLUG (3000' - 2900')

CIBP @ 3000'

YATES PERFS (3054' - 3190')

5 1/2" CSG @ 3405' CMTD W/ 670 SX
TD @ 3405'

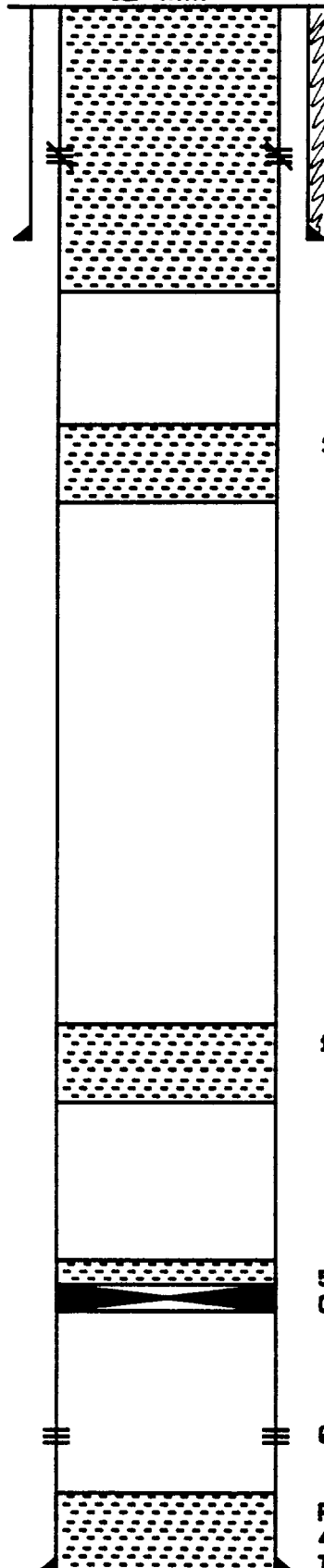
	SURFACE PRODUCTION	
SIZE	8 5/8"	5 1/2"
WEIGHT	N.A.	N.A.
GRADE	N.A.	N.A.
THREAD	N.A.	N.A.
DEPTH	1175'	3405'

PREPARED BY: SCOTT E. GENGLER
DATE : May 1, 1994

OXY - MYERS LANGLIE MATTIX UNIT #134
660' FNL & 660' FEL SEC 6 T24S R37E
LEA COUNTY, NEW MEXICO

ELEVATION: KB: N.A.
GL: N.A.

WELL COMPLETED: JANUARY 25, 1982
WELL PLUGGED: JUNE 29, 1982



80 SX CNT PLUG (451' - 0')
SQUEEZE PERFS @ 275'

8 5/8" SURFACE CASING @ 352'
CMTD W/ 250 SX CNT CIRC

10 SX CNT PLUG (1250' - 1080')

10 SX CNT PLUG (2750' - 2600')

5 SX CNT PLUG (3415' - 3340')
CIBP @ 3415'

QUEEN PERFS (3546' - 3635')

P8TD @ 3691'
4 1/2" CSG @ 3725' CMTD W/ 300 SX
TD @ 3726'

SURFACE PRODUCTION

SIZE	8 5/8"	4 1/2"
WEIGHT	22.79	9.56
GRADE	N.A.	J-55
THREAD	N.A.	N.A.
DEPTH	352'	3725'

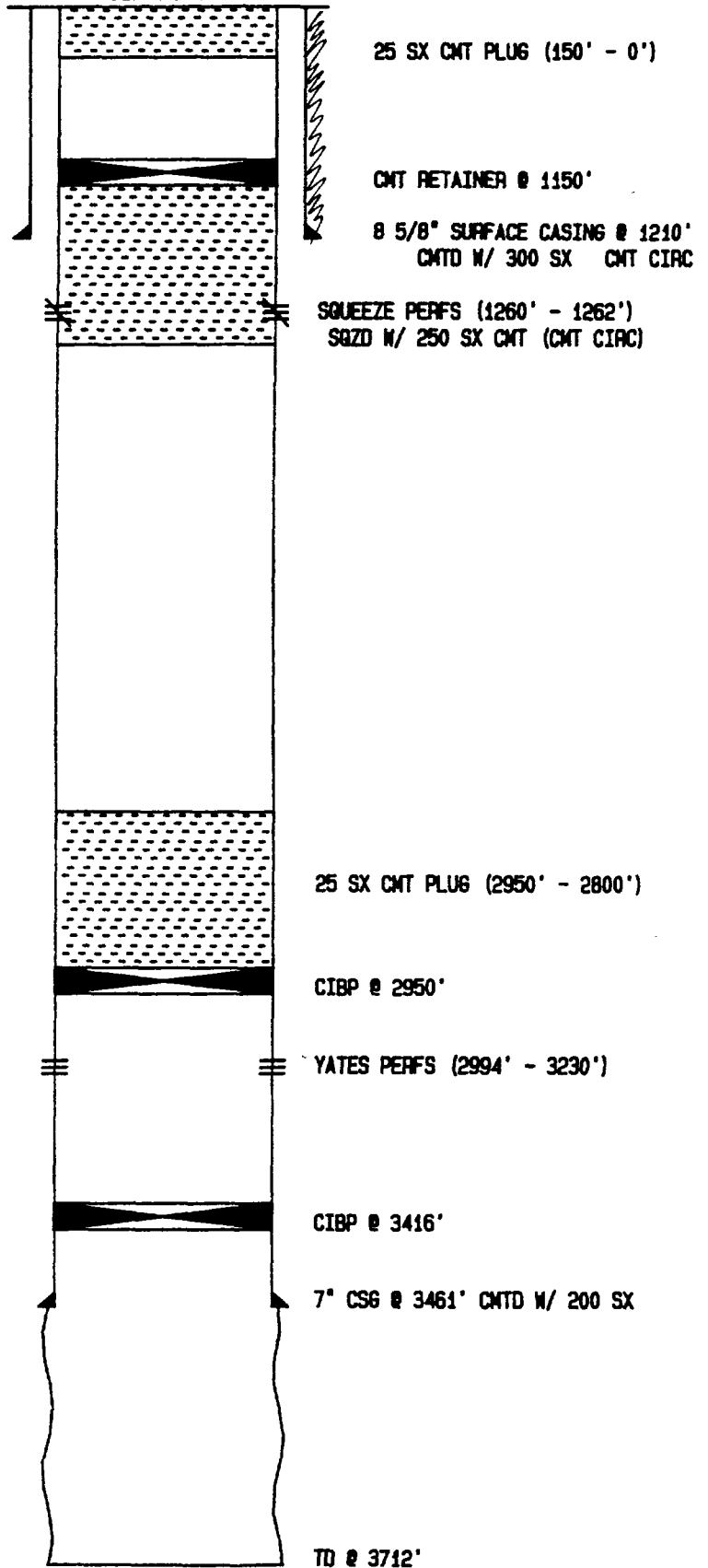
PREPARED BY: SCOTT E. GENGLER
DATE : May 1, 1994

AMOCO - MYERS B FEDERAL RA B #11
 660' FNL & 1980' FEL SEC 6 T24S R37E
 LEA COUNTY, NEW MEXICO

ELEVATION: KB: N.A.
 GL: N.A.

WELL COMPLETED: DECEMBER 5, 1951

WELL PLUGGED: AUGUST 26, 1993



SURFACE PRODUCTION

SIZE	8 5/8"	7"
WEIGHT	28 #	15.5 #
GRADE	N.A.	N.A.
THREAD	N.A.	N.A.
DEPTH	1210'	3461'

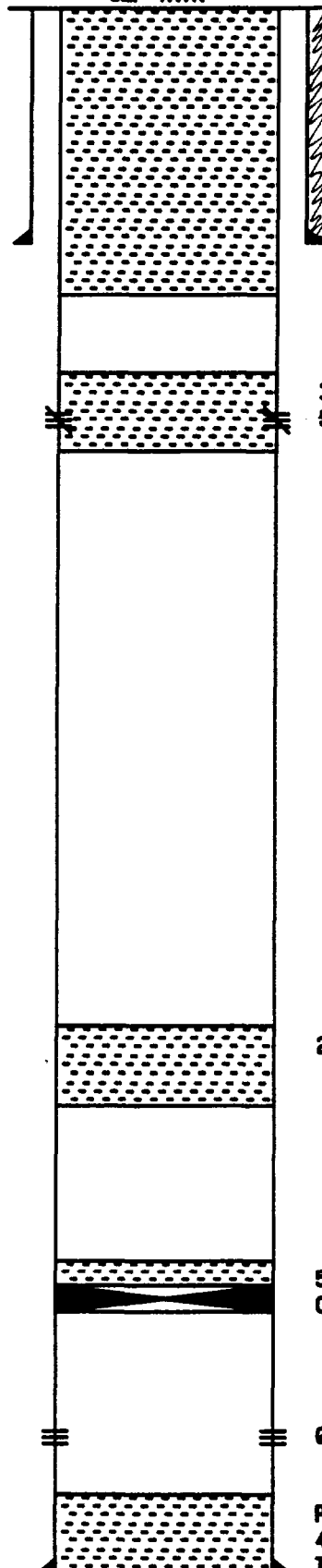
PREP'D BY: SCOTT E. GENGLER
 DATE : May 1, 1994

OXY - MYERS LANGLIE MATTIX UNIT #140
 1968' FNL & 1980' FNL SEC 6 T24S R37E
 LEA COUNTY, NEW MEXICO

ELEVATION: KB: N.A.
 GL: N.A.

WELL COMPLETED: APRIL 7, 1982

WELL PLUGGED: JUNE 25, 1992



125 SX CNT PLUG (407' - 0')

8 5/8" SURFACE CASING @ 352'
 CNTD W/ 225 SX CNT CIRC

30 SX CNT PLUG (1305' - 1080')
 SQUEEZE PERFS @ 1250'

20 SX CNT PLUG (2900' - 2700')

5 SX CNT PLUG (3400' - 3325')
 CIBP @ 3400'

QUEEN PERFS (3486' - 3644')

PBTD @ 3663'
 4 1/2" CS @ 3686' CNTD W/ 335 SX
 TD @ 3686'

	SURFACE	PRODUCTION
SIZE	8 5/8"	4 1/2"
WEIGHT	22.76	9.56
GRADE	N.A.	J-05
THREAD	N.A.	N.A.
DEPTH	352'	3686'

PREP'D BY: SCOTT E. GENGLER
 DATE : May 1, 1994

Responses to C-108

VII

1. Average Daily Injection Rate - 300 BWPD per well
Maximum Daily Injection Rate - 500 BWPD per well
2. The proposed system is a closed system.
3. Average Injection Pressure - 1200 psi
Maximum Injection Pressure - 1800 psi
4. Sources of water:
 - a. Produced water from the Myers Langlie Mattix Unit.
 - b. Supply water from Texaco's Jal Water System.
5. Injection is not for disposal purposes.

VIII Previously Submitted

IX Each of the proposed injection wells will be acidized with 3000 gallons of acid.

X Previously Submitted

XI Previously Submitted

XII Not Applicable

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, Kathi Bearden

General Manager

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of _____

one weeks.

Beginning with the issue dated

November 25, 19 94

and ending with the issue dated

November 25, 19 94

Kathi Bearden

General Manager

Sworn and subscribed to before

me this 29 day of

November, 19 94
Marlene Renteria

Notary Public.

My Commission expires

March 15, 1997

(Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE

November 25, 1994

OXY USA Inc., P.O. Box 50250, Midland, Texas, 79710, 915/685-5825, Scott Gengler - Engineer, proposes to inject water for secondary recovery purposes into the Myers Langlie Mattix Unit well #'s 70, 72, 94, 96, 98, 106, 133, 134, 135, 137, 141, 143, 170, 176, 178, 251, 252 located in section 36 of T-23-S, R-36-E, sections 31 and 32 of T-23-S, R-37-E, and sections 5 and 6 of T-24-S, R-37-E, Lea County, New Mexico. Water will be injected into the Queen formation at an average depth of 3700' at an approximate rate of 300 BWPD per well and at a maximum pressure of 1800#. Interested parties must file objections or requests for hearing with the New Mexico Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico, 87501, within fifteen (15) days of receipt of this notice.

RECEIVED

DEC 01 1994

44

RESULT OF WATER ANALYSES

TO: Mr. Scott Gengler
P. O. Box 50250, Midland, TX 79710

LABORATORY NO. 1194147
SAMPLE RECEIVED 11-22-94
RESULTS REPORTED 11-23-94

COMPANY Oxy U.S.A., Inc. LEASE Christie

FIELD OR POOL

SECTION 36 BLOCK SURVEY T-23S & R-36E COUNTY Lea STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Raw water - taken @ Christie, 11-21-94

NO. 2

NO. 3

NO. 4

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F	1.0014			
pH When Sampled				
pH When Received	7.74			
Bicarbonate as HCO ₃	222			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	228			
Calcium as Ca	72			
Magnesium as Mg	12			
Sodium and/or Potassium	84			
Sulfate as SO ₄	59			
Chloride as Cl	119			
Iron as Fe	9.6			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	568			
Temperature °F				
Carbon Dioxide, Calculated				
Dissolved Oxygen				
Hydrogen Sulfide	0.0			
Resistivity, ohm-cm at 77° F.	12.87			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Nitrate, as N	0.8			

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

709 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683-4521

RESULT OF WATER ANALYSES

TO: Mr. Scott Gengler
P. O. Box 50250, Midland, TX 79710

LABORATORY NO. 1194146
SAMPLE RECEIVED 11-22-94
RESULTS REPORTED 11-23-94

COMPANY Oxy U.S.A., Inc. LEASE MLMU

FIELD OR POOL _____

SECTION 5 BLOCK SURVEY T-24S & R-37E COUNTY Lea STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Raw water - taken at MLMU doghouse. 11-21-94

NO. 2 _____

NO. 3 _____

NO. 4 _____

REMARKS: _____

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0013			
pH When Sampled				
pH When Received	7.85			
Bicarbonate as HCO ₃	215			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	204			
Calcium as Ca	59			
Magnesium as Mg	14			
Sodium and/or Potassium	63			
Sulfate as SO ₄	61			
Chloride as Cl	71			
Iron as Fe	0.88			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	483			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen.				
Hydrogen Sulfide	0.0			
Resistivity, ohms/m at 77° F	16.26			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Nitrate, as N	0.8			

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE