



COMMERCIAL RESOURCES  
(505)-827-5724

SURFACE RESOURCES  
(505)-827-5793

MINERAL RESOURCES  
(505)-827-5744

ROYALTY  
(505)-827-5772

State of New Mexico  
Commissioner of Public Lands

Ray Powell, M.S., D.V.M.  
310 Old Santa Fe Trail, P. O. Box 1148  
Santa Fe, New Mexico 87504-1148  
Phone (505)-827-5760, Fax (505)-827-5766

PUBLIC AFFAIRS  
(505)-827-5765

ADMINISTRATIVE MGMT.  
(505)-827-5700

LEGAL  
(505)-827-5713

PLANNING  
(505)-827-5752

April 14, 1997

Synergy Oil & Gas, Inc.  
9821 Katy Freeway  
Suite 800  
Houston, Texas 77024

Attn: Mr. Chris L. Raper

Re: Resignation/Designation of Successor Unit Operator  
North Anderson Ranch Unit  
Lea County, New Mexico

Dear Mr. Raper:

This office is in receipt of a resignation/designation of successor unit operator, wherein UNOCAL has resigned as unit operator of the North Anderson Ranch Unit and designated Synergy Oil & Gas, Inc. as the successor unit operator.

The Commissioner of Public Lands has this date approved the resignation of UNOCAL and the designation of Synergy Oil & Gas, Inc. as the successor unit operator of this unit. This change in operators is effective December 1, 1996. In accordance with this approval, Synergy Oil & Gas, Inc. is now responsible for all operations and the reporting of all production from the unit.

If you have any questions or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M.  
COMMISSIONER OF PUBLIC LANDS

BY: 

JAMI BAILEY, Director  
Oil/Gas and Minerals Division  
(505) 827-5744

RP/JB/cpm

Enclosure

cc: Reader File

UNOCAL

OCD-Roy Johnson

TRD



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(505)-827-5752

April 14, 1997

Synergy Oil & Gas, Inc.  
9821 Katy Freeway  
Suite 800  
Houston, Texas 77024

Attn: Mr. Chris L. Raper

Re: 1997 Plan of Development  
North Anderson Ranch Unit  
Lea County, New Mexico

Dear Mr. Raper:

The Commissioner of Public Lands has, of this date, approved the above-captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

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

If you have any questions or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M.  
COMMISSIONER OF PUBLIC LANDS

BY:  
JAMI BAILEY, Director  
Oil, Gas and Minerals Division  
(505) 827-5744

RP/JB/cpm  
cc: Reader File

OCD

BLM

D-  
Unit letter  
TWR Ry



3/31/97  
OK'd  
RQ  
APR 28 1997  
OIL & GAS DIVISION

March 13, 1997

Oil Conservation Division  
Energy & Mineral Division  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088  
Attn: Mr. William J. LeMay, Director

Re: 1997 Plan of Development  
North Anderson Ranch Unit  
Lea County, New Mexico

Gentleman,

Enclosed please find two (2) copies of Synergy's 1997 Plan of Development for the subject Unit which are being filed for your approval in accordance with the Unit Agreement. Also enclosed is a revised Exhibit "B" to the Unit Agreement setting out the changes in ownership which have occurred since the approval of Unocal's 1996 Plan.

If you require additional information, please advise.

Yours very truly,

A handwritten signature in cursive script that reads 'Chris L. Raper'.

Chris L. Raper  
VP Land and Marketing

**1997 PLAN OF DEVELOPMENT  
NORTH ANDERSON RANCH UNIT AREA  
LEA COUNTY, NEW MEXICO**

TO: Oil Conservation Division  
Energy & Minerals Division  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088  
Attn: Mr. William J. LeMay, Director

Synergy Oil & Gas, Inc. became Unit Operator of the North Anderson Ranch Unit in December 1996. As Unit Operator, Synergy respectfully submits for your review and approval, this 1997 Plan of Development for the North Anderson Ranch Unit Area for the period ending December 31, 1997.

**SUMMARY OF 1996 OPERATIONS**

The Unit produced a total of 28,185 barrels of oil plus 40.564 MMCF of gas for 1996.

**PLAN OF DEVELOPMENT FOR 1997**

No development drilling or recompletions are planned for 1997. Synergy Oil & Gas, Inc. will monitor and evaluate the Unit for possible development potential. This plan may be modified or supplemented from time to time with the approval needed, when necessary, to meet changed conditions or to protect the interest of all parties to the Unit Agreement.

Submitted this 17<sup>th</sup> day of March, 1997.

Sincerely,

Synergy Oil & Gas, Inc.



Chris L. Raper  
Vice President - Land/Marketing

**1997 PLAN OF DEVELOPMENT  
NORTH ANDERSON RANCH UNIT AREA  
LEA COUNTY, NEW MEXICO**

TO: Oil Conservation Division  
Energy & Minerals Division  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088  
Attn: Mr. William J. LeMay, Director

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**SUMMARY OF 1996 OPERATIONS**

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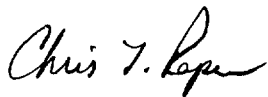
**PLAN OF DEVELOPMENT FOR 1997**

No development drilling or recompletions are planned for 1997. Synergy Oil & Gas, Inc. will monitor and evaluate the Unit for possible development potential. This plan may be modified or supplemented from time to time with the approval needed, when necessary, to meet changed conditions or to protect the interest of all parties to the Unit Agreement.

Submitted this 17<sup>th</sup> day of March, 1997.

Sincerely,

Synergy Oil & Gas, Inc.



Chris L. Raper  
Vice President - Land/Marketing

**Field: Anderson Ranch North Wolfcamp**  
**Lease: North Anderson Ranch 33 #1**

<b>DATE</b>	<b>OIL VOLUME PRODUCED bbls</b>	<b>GAS VOLUME PRODUCED Mscf</b>
Jan-96	2854	3024
Feb-96	1188	2320
Mar-96	2392	3457
Apr-96	2301	3202
May-96	2690	3275
Jun-96	2551	3294
Jul-96	2631	3561
Aug-96	2552	3926
Sep-96	2406	3665
Oct-96	1453	3418
Nov-96	2329	3294
Dec-96	2838	4128
<b>TOTAL</b>	<b>28185</b>	<b>40564</b>

**EXHIBIT "B"**

**NORTH ANDERSON RANCH UNIT AREA, LEA COUNTY, NEW MEXICO TOWNSHIP 15 SOUTH, RANGE 32 EAST  
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTERESTS IN ALL LANDS IN THE UNIT AREA**

<b>TRACT NO.</b>	<b>DESCRIPTION OF LAND</b>	<b>NO. OF ACRES</b>	<b>LEASE # &amp; DATE</b>	<b>LESSOR</b>	<b>RECORD LESSEE</b>	<b>BASIC ROYALTY AND PERCENT</b>	<b>OVERRIDING ROYALTY AND PERCENT</b>	<b>WORKING INTEREST OWNER</b>	
1	<u>T-15-S, R-32-E</u> Sec. 32: E/2 NE/4	80	E-8975 4-19-55	State	John H. Hendrix Corp.	State - All (12.5%)	None	Thomas Resources Corporation Synergy Oil & Gas, Inc. Synergy Acquisition Company L.P.	50% 26.875% 23.125%
2	<u>T-15-S, R-32-E</u> Sec. 32: NE/4 SE/4 (HBP)	40	B-9953-2 12-10-41	State	Synergy Oil & Gas, Inc.-50% Thomas Resources Corporation-50%	State - All (12.5%)	None	Thomas Resources Corporation Synergy Oil & Gas, Inc. Synergy Acquisition Company L.P.	50% 26.875% 23.125%
3	<u>T-15-S, R-32-E</u> Sec. 33: NW/4 NW/4 NE/4 SW/4	80	E-6078-3 3-10-52	State	Synergy Oil & Gas, Inc.-50% Thomas Resources Corporation-50%	State - All (12.5%)	.03125 (1/32 of 8/8)	Thomas Resources Corporation Synergy Oil & Gas, Inc. Synergy Acquisition Company L.P. Kathleen Hadley Goldston TR 0104253 W. J. Goldston Residuary TR 0106213 William J. Goldston, Jr. TR 0106213 Jeanne Goldston Kies TR 0102543 King Oil & Gas of Texas, Ltd.	47.3000% 25.4238% 21.8762% 2.7000% 1.8000% .3000% .3000% .3000%
4	<u>T-15-S, R-32-E</u> Sec. 33: SW/4 NW/4 NE/4 NW/4	80	E-8974-3 4-19-55	State	Synergy Oil & Gas, Inc.-50% Thomas Resources Corporation-50%	State - All (12.5%)	None	Thomas Resources Corporation Synergy Oil & Gas, Inc. Synergy Acquisition Company L.P.	50% 26.875% 23.125%

EXHIBIT “B” (CONTINUED)

<u>TRACT NO.</u>	<u>DESCRIPTION OF LAND</u>	<u>NO. OF ACRES</u>	<u>LEASE # &amp; DATE</u>	<u>LESSOR</u>	<u>RECORD LESSEE</u>	<u>BASIC ROYALTY AND PERCENT</u>	<u>OVERRIDING ROYALTY AND PERCENT</u>	<u>WORKING INTEREST OWNER</u>
5	<u>T-15-S, R-32-E</u> Sec. 33: NW/4 SW/4	40	E-5667-6 10-10-51	State	Synergy Oil & Gas, Inc.-50% Thomas Resources Corporation-50%	State - All (12.5%)	None	Thomas Resources Corporation Synergy Oil & Gas, Inc. Synergy Acquisition Company L.P. 50% 26.875% 23.125%
6	<u>T-15-S, R-32-E</u> Sec. 33: SE/4 NW/4	40	E-5147-2 4-10-51	State	Synergy Oil & Gas, Inc.-50% Thomas Resources Corporation-50%	State - All (12.5%)	None	Thomas Resources Corporation Synergy Oil & Gas, Inc. Synergy Acquisition Company L.P. 50% 26.875% 23.125%

Six State tracts containing 360 acres





1871  
10 APR 1996  
10 8 52

RAY POWELL, M.S., D.V.M.  
COMMISSIONER

State of New Mexico  
Commissioner of Public Lands

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

(505) 827-5760  
FAX (505) 827-5766

April 3, 1996

UNOCAL  
Post Office Box 3100  
Midland, Texas 79702

Attn: Ms. Linda H. Hicks

Re: 1996 Plan of Development  
North Anderson Unit  
Lea County, New Mexico

Dear Ms. Hicks:


The Commissioner of Public Lands has this date approved the above-captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

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

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M.  
COMMISSIONER OF PUBLIC LANDS

BY:   
LARRY KEHOE, Director  
Oil, Gas and Minerals Division  
(505) 827-5744

RP/LK/cpm

cc: Reader File

Commissioner's File

OCD

TRD

**Unocal Corporation**  
Oil and Gas Operations  
1004 North Big Spring, Suite 300  
P.O. Box 3100  
Midland, Texas 79702  
Telephone (915) 685-7600



March 28, 1996

Central U.S. Business Unit

*D-  
Unit letter*

Oil Conservation Division  
Energy & Minerals Division  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088  
Attn: Mr. William J. LeMay, Director

1996 Plan of Development  
North Anderson Ranch Unit  
Lea County, New Mexico  
North Anderson Ranch Prospect (7366)

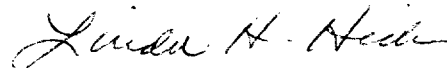
Gentlemen:

Please find enclosed for your approval two (2) copies of Union's 1996 Plan of Development for the North Anderson Ranch Unit.

Should you have any questions, please let me know.

Sincerely yours,

UNION OIL COMPANY OF CALIFORNIA



Linda H. Hicks  
Land Advisor/Contracts

LHH/s  
Enclosures

1996 PLAN OF DEVELOPMENT  
NORTH ANDERSON RANCH UNIT AREA  
LEA COUNTY, NEW MEXICO

TO: Oil Conservation Division  
Energy & Minerals Division  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088  
Attn: Mr. William J. LeMay, Director

Union Oil Company of California as Unit Operator for the North Anderson Ranch Unit, respectfully submits for approval this 1996 Plan of Development for the North Anderson Ranch Unit Area for the period ending December 31, 1996.

SUMMARY OF 1995 OPERATIONS

The North Anderson Ranch Well #3-33 was plugged. The Unit produced a total of 29,917 barrel of oil plus 43.412 MMCF of gas for 1995.

PLAN OF DEVELOPMENT FOR 1996

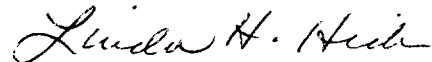
No development drilling or recompletions are planned for 1996.

This plan may be modified or supplemented from time to time with the approval needed, when necessary, to meet changed conditions or to protect the interest of all parties to the Unit Agreement.

Submitted this 28th day of March, 1996.

Sincerely,

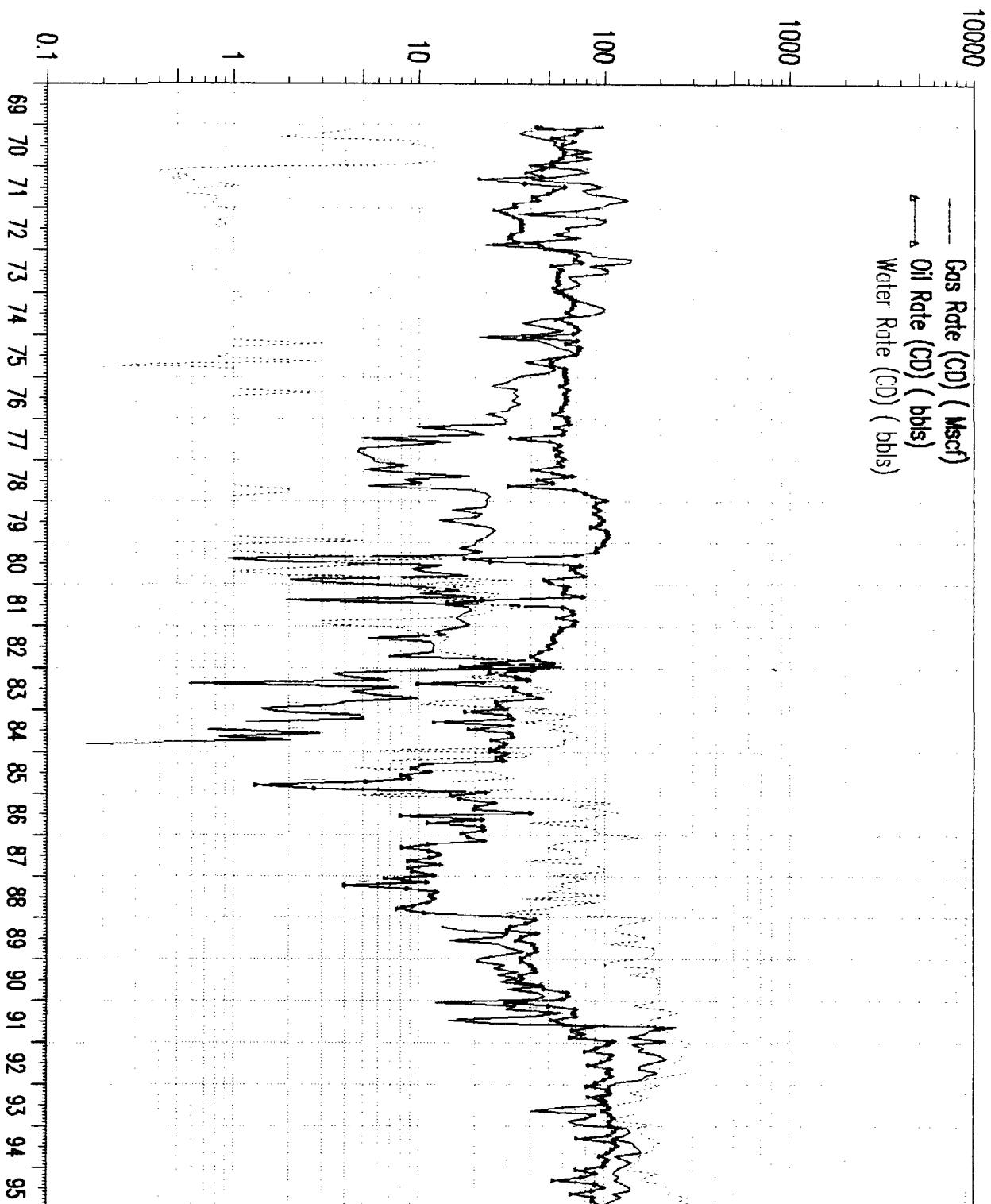
UNION OIL COMPANY OF CALIFORNIA



Linda H. Hicks  
Land Advisor/Contracts

LHH/s

FIELD : ANDERSON RANCH NO - WC  
LEASE : N ANDERSON RCH 33 #1



OK  
4-3-95

**1995 PLAN OF DEVELOPMENT  
NORTH ANDERSON RANCH UNIT AREA  
LEA COUNTY, NEW MEXICO**

TO: Oil Conservation Division  
Energy & Minerals Division  
P. O. Box 2088  
Santa Fe, New Mexico 88201-2088

Attn: Mr. William J. LeMay, Director  
Oil & Gas Division

Union Oil Company of California, as Unit Operator for the North Anderson Ranch Unit, respectfully submits for approval this 1995 Plan of Development for the North Anderson Ranch Unit Area for the period ending December 31, 1995.

**SUMMARY OF 1994 OPERATIONS**

No new wells were drilled or completed in 1994. The Unit produced a total of 38,393 plus 48.653 MMCF for 1994.

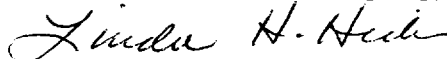
**PLAN OF DEVELOPMENT FOR 1995**

No development drilling is planned for 1995. Well 3-33 remains shut-in.

Submitted this 24th day of March, 1995.

Sincerely,

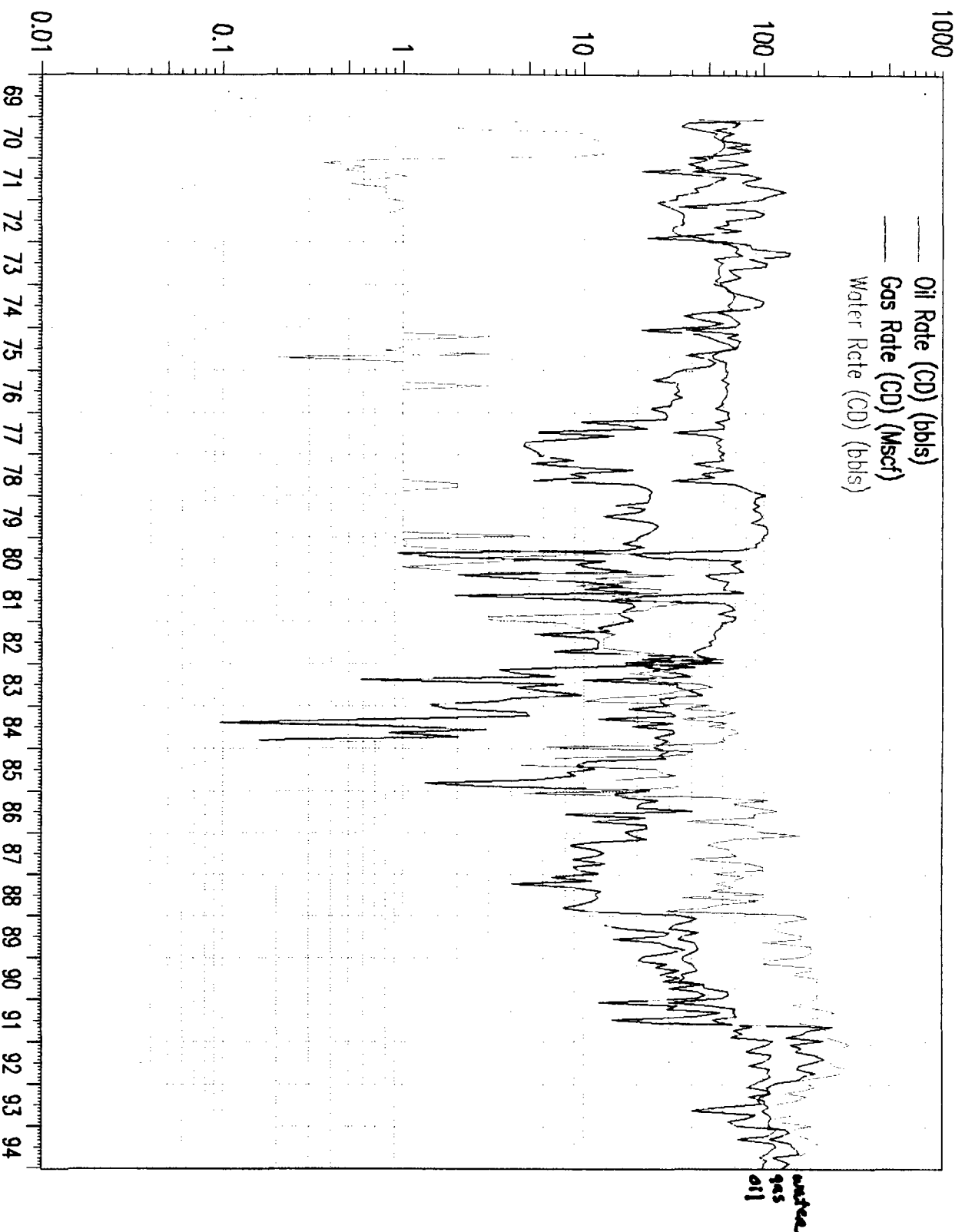
UNION OIL COMPANY OF CALIFORNIA



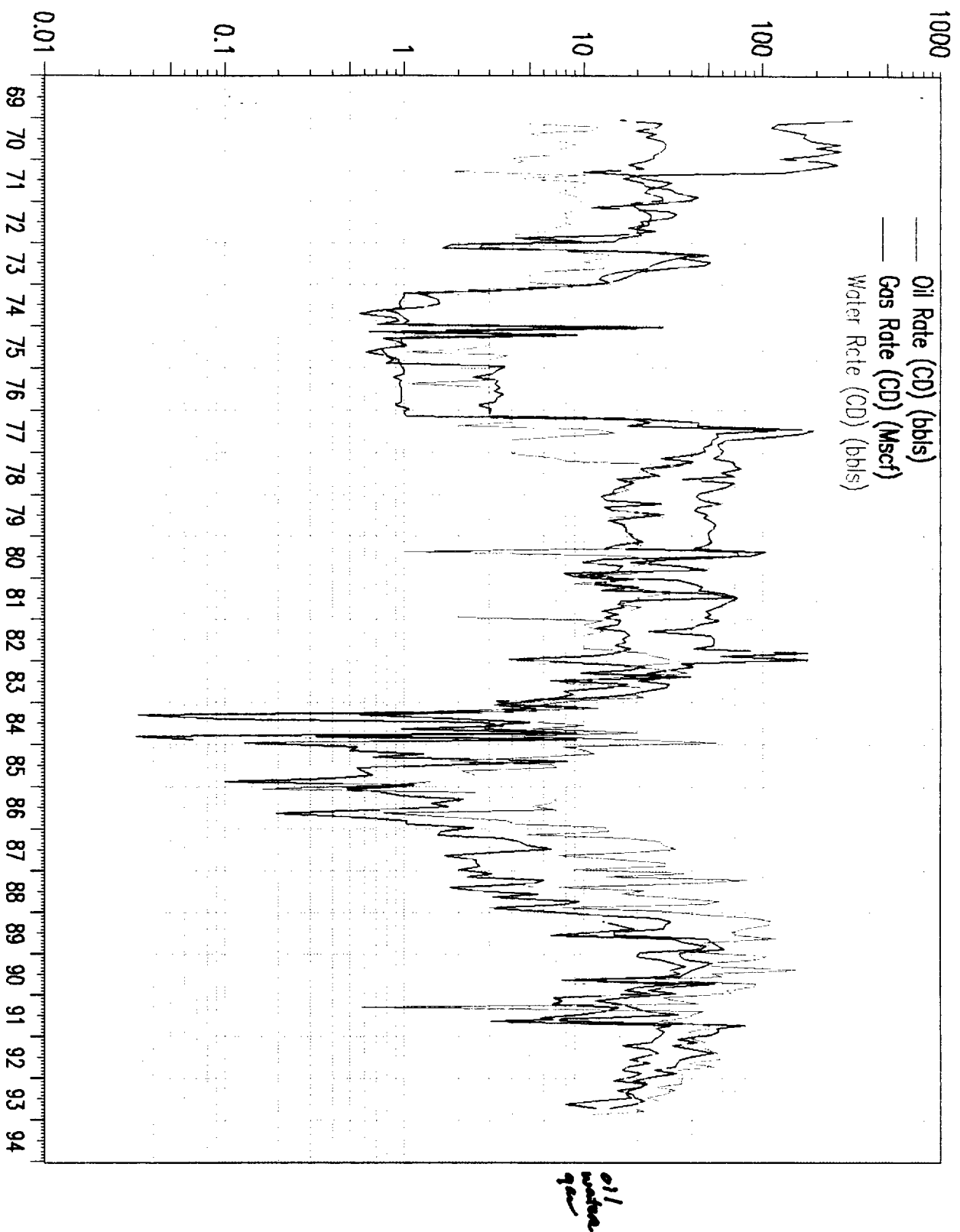
Linda H. Hicks  
Land Advisor/Contracts

LHH/jb  
HICKS/ANDERSON

FIELD : ANDERSON RANCH NO - WC  
LEASE : N ANDERSON RCH 33 #1



FIELD : ANDERSON RANCH NO - WC  
LEASE : N ANDERSON RCH 33 #3



**Unocal Energy Resources Division**  
Unocal Corporation  
1004 North Big Spring, Suite 300  
P.O. Box 3100  
Midland, Texas 79702  
Telephone (915) 685-7600

# 1871



Permian Basin Business Unit

March 31, 1994

MAR 31 1994

Oil Conservation Division  
Energy & Minerals Division  
P. O. Box 2088  
Santa Fe, New Mexico 87504-2088

Attn: Mr. William J. LeMay, Director

**1994 Plan of Development  
North Anderson Ranch Unit Area  
Lea County, New Mexico  
N/Anderson Ranch Prospect (7366)**

Gentlemen:

Please find enclosed for your approval two (2) copies of Union's 1994 Plan of Development for the North Anderson Ranch Unit.

Should you have any questions, please let me know.

Sincerely,

UNION OIL COMPANY OF CALIFORNIA  
dba UNOCAL

Linda H. Hicks  
Supervisor of Contracts

LHH/jb  
Enclosures



**1994 PLAN OF DEVELOPMENT  
NORTH ANDERSON RANCH UNIT AREA  
LEA COUNTY, NEW MEXICO**

TO: Oil Conservation Division  
Energy & Minerals Division  
P. O. Box 2088  
Santa Fe, New Mexico 88201-2088

Attn: Mr. William J. LeMay, Director  
Oil & Gas Division

MAR 31 1994

Union Oil Company of California, as Unit Operator for the North Anderson Ranch Unit, respectfully submits for approval this 1993 Plan of Development for the North Anderson Ranch Unit Area for the period ending December 31, 1994.

SUMMARY OF 1993 OPERATIONS

No new wells were drilled in 1993. The Unit wells 1-33 and 3-33 produced a total of 42,660 BO plus 35.518 MMCF for 1993.

PLAN OF DEVELOPMENT FOR 1994

No development drilling is planned for 1994. Well 3-33 has been shut-in since 9/1/93 but will be repaired and returned to production in 1994.

Submitted this 31st day of March, 1994.

Sincerely,

UNION OIL COMPANY OF CALIFORNIA



Linda H. Hicks  
Supervisor of Contracts

LHH/jb  
HICKS/ANDERSON

DWIGHTS ENERGYDATA, INC.  
OIL LEASE HISTORY  
NEW MEXICO OIL SOUTHEAST

RUN DATE: 02/04/94  
Published 1/94  
(#150,025,15S32E33E00WC )

OPERATOR (#748982)	WELL NAME	WELL #
UNION OIL CO OF CAL	NORTH ANDERSON RANCH UNIT 33	000001

LOCATION	STATE	DIST	COUNTY (#025)	LEASE #
33E 15S 32E	NM	002	LEA	365

API #	FIELD (#8001574)	RESERVOIR
30-025-0035500	ANDERSON RANCH NORTH (WOLFCAMP) WC	WOLFCAMP

TOTAL DEPTH	UPPER PERF	LOWER PERF	GAS GATH	LIQ GATH	GAS GRAV	LIQ GRAV	TEMP GRAD
			CONTL	SHELP			

COMP DATE	1ST PROD DATE	LAST PROD DATE	STATUS DATE	STATUS
		9308		ACT

BEG LIQ CUM	BEG GAS CUM
435882	983789

CUM THRU LPD OIL/BBLs	OIL CUM SINCE DATE	CUM THRU LPD CSGHD GAS/MCF	CASINGHEAD CUM SINCE DATE
875941		1320456	5901

DWIGHTS ENERGYDATA, INC.  
 UNION OIL CO OF CAL  
 NORTH ANDERSON RANCH UNIT 33

RUN DATE: 02/04/94  
 Published 1/94  
 (#150,025,15S32E33E00WC )

\*\*\* MONTHLY PRODUCTION HISTORY \*\*\*

MONTH	OIL BBLs	CUM OIL BBLs	CASINGHEAD GAS/MCF	CUM CASINGHEAD	WATER BBLs	DAYS ON
JAN	1119	775062	635	1190405	3420	31
FEB	1128	776190	814	1191219	2815	28
MAR	1300	777490	788	1192007	5797	31
APR	1296	778786	1024	1193031	5550	30
MAY	1098	779884	833	1193864	4284	31
JUN	1102	780986	1031	1194895	5790	30
JUL	1066	782052	863	1195758	6138	31
AUG	1434	783486	1475	1197233	6138	26
SEP	1435	784921	904	1198137	5760	30
OCT	1963	786884	1340	1199477	5966	31
NOV	1934	788818	1440	1200917	5970	30
DEC	1842	790660	1317	1202234	6138	31
1990	16717	790660	12464	1202234	63766	
JAN	937	791597	382	1202616	5544	17
FEB	1428	793025	938	1203554	4017	21
MAR	2194	795219	913	1204467	6355	31
APR	2057	797276	1741	1206208	7500	30
MAY	2212	799488	1294	1207502	6665	31
JUN	1572	801060	435	1207937	5125	25
JUL	1813	802873	805	1208742	4900	30
AUG	2700	805573	7527	1216269	6975	30
SEP	2050	807623	5286	1221555	6690	30
OCT	2377	810000	5166	1226721	6634	31
NOV	1981	811981	4049	1230770	6654	25
DEC	3515	815496	6686	1237456	8157	31
1991	24836	815496	35222	1237456	75216	
JAN	3269	818765	4413	1241869	9362	31
FEB	2654	821419	4739	1246608	7656	29
MAR	2496	823915	4730	1251338	8618	31
APR	3332	827247	5775	1257113	7890	30
MAY	3324	830571	6757	1263870	8060	31
JUN	2951	833522	5655	1269525	7140	30
JUL	2593	836115	4931	1274456	7688	31
AUG	3382	839497	4759	1279215	9000	31
SEP	3152	842649	5847	1285062	8400	30
OCT	3406	846055	5154	1290216	6935	31
NOV	3023	849078	4783	1294999	4966	28
DEC	2817	851895	3651	1298650	5439	28
1992	36399	851895	61194	1298650	91154	
JAN	2529	854424	3274	1301924	6038	30
FEB	2956	857380	2987	1304911	4692	26
MAR	3389	860769	3401	1308312	4134	31
APR	2515	863284	2904	1311216	5240	30
MAY	3168	866452	3264	1314480	4708	31
JUN	3083	869535	2955	1317435	3584	30
JUL	3345	872880	1768	1319203	3991	31
AUG	3061	875941	1253	1320456	0	31
1993	24046	875941	21806	1320456	32387	

DWIGHTS ENERGYDATA, INC.  
OIL LEASE HISTORY  
NEW MEXICO OIL SOUTHEAST

RUN DATE: 02/04/94  
Published 1/94  
(#150,025,15S32E33K00WC )

OPERATOR (#748982)	WELL NAME	WELL #
UNION OIL CO OF CAL	NORTH ANDERSON RANCH UNIT 33	000003

LOCATION	STATE	DIST	COUNTY (#025)	LEASE #
33K 15S 32E	NM	002	LEA	365

API #	FIELD (#8001574)	RESERVOIR
30-025-0035900	ANDERSON RANCH NORTH (WOLFCAMP) WC	WOLFCAMP

TOTAL DEPTH	UPPER PERF	LOWER PERF	GAS GATH	LIQ GATH	GAS GRAV	LIQ GRAV	TEMP GRAD
			CONTL	SHELP			

COMP DATE	1ST PROD DATE	LAST PROD DATE	STATUS DATE	STATUS
		9308		ACT

BEG LIQ CUM	BEG GAS CUM
290540	809296

CUM THRU LPD OIL/BBLs	OIL CUM SINCE DATE	CUM THRU LPD CSGHD GAS/MCF	CASINGHEAD CUM SINCE DATE
434215		1108471	5901

DWIGHTS ENERGYDATA, INC.  
 UNION OIL CO OF CAL  
 NORTH ANDERSON RANCH UNIT 33

RUN DATE: 02/04/94  
 Published 1/94  
 (#150,025,15S32E33K00WC )

\*\*\* MONTHLY PRODUCTION HISTORY \*\*\*

MONTH	OIL BBLs	CUM OIL BBLs	CASINGHEAD GAS/MCF	CUM CASINGHEAD	WATER BBLs	DAYS ON
JAN	1076	402475	610	1072906	3285	31
FEB	1041	403516	752	1073658	2599	28
MAR	1589	405105	963	1074621	1612	31
APR	1405	406510	1110	1075731	1560	30
MAY	1238	407748	939	1076670	4830	31
JUN	1103	408851	1032	1077702	1560	30
JUL	1067	409918	864	1078566	1838	31
AUG	234	410152	240	1078806	678	26
SEP	1619	411771	1019	1079825	2760	30
OCT	924	412695	630	1080455	2807	31
NOV	686	413381	511	1080966	1860	30
DEC	1013	414394	724	1081690	2077	31
1990	12995	414394	9394	1081690	27466	
JAN	516	414910	210	1081900	855	17
FEB	326	415236	215	1082115	918	24
MAR	501	415737	209	1082324	1364	31
APR	559	416296	472	1082796	17	30
MAY	695	416991	407	1083203	1457	31
JUN	1010	418001	280	1083483	1218	30
JUL	400	418401	178	1083661	1178	31
AUG	95	418496	266	1083927	806	31
SEP	924	419420	2381	1086308	1500	30
OCT	792	420212	1723	1088031	1585	31
NOV	843	421055	1722	1089753	1140	30
DEC	837	421892	1592	1091345	1395	31
1991	7498	421892	9655	1091345	13433	
JAN	771	422663	1040	1092385	1240	31
FEB	698	423361	1247	1093632	1392	29
MAR	513	423874	971	1094603	1488	31
APR	694	424568	1203	1095806	1440	30
MAY	810	425378	1646	1097452	1736	31
JUN	642	426020	1230	1098682	1680	30
JUL	564	426584	1072	1099754	1798	31
AUG	735	427319	1035	1100789	1168	31
SEP	525	427844	975	1101764	1620	30
OCT	511	428355	773	1102537	1040	31
NOV	630	428985	996	1103533	1034	30
DEC	587	429572	760	1104293	1133	30
1992	7680	429572	12948	1104293	16769	
JAN	457	430029	592	1104885	1092	31
FEB	625	430654	632	1105517	992	28
MAR	646	431300	648	1106165	787	31
APR	465	431765	537	1106702	970	30
MAY	586	432351	604	1107306	872	31
JUN	582	432933	558	1107864	676	30
JUL	682	433615	361	1108225	814	31
AUG	600	434215	246	1108471	0	31
1993	4643	434215	4178	1108471	6203	

EXHIBIT "B"

NORTH ANDERSON RANCH UNIT AREA, LEA COUNTY, NEW MEXICO, TOWNSHIP 15 SOUTH, RANGE 32 EAST  
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTERESTS IN ALL LANDS IN THE UNIT AREA

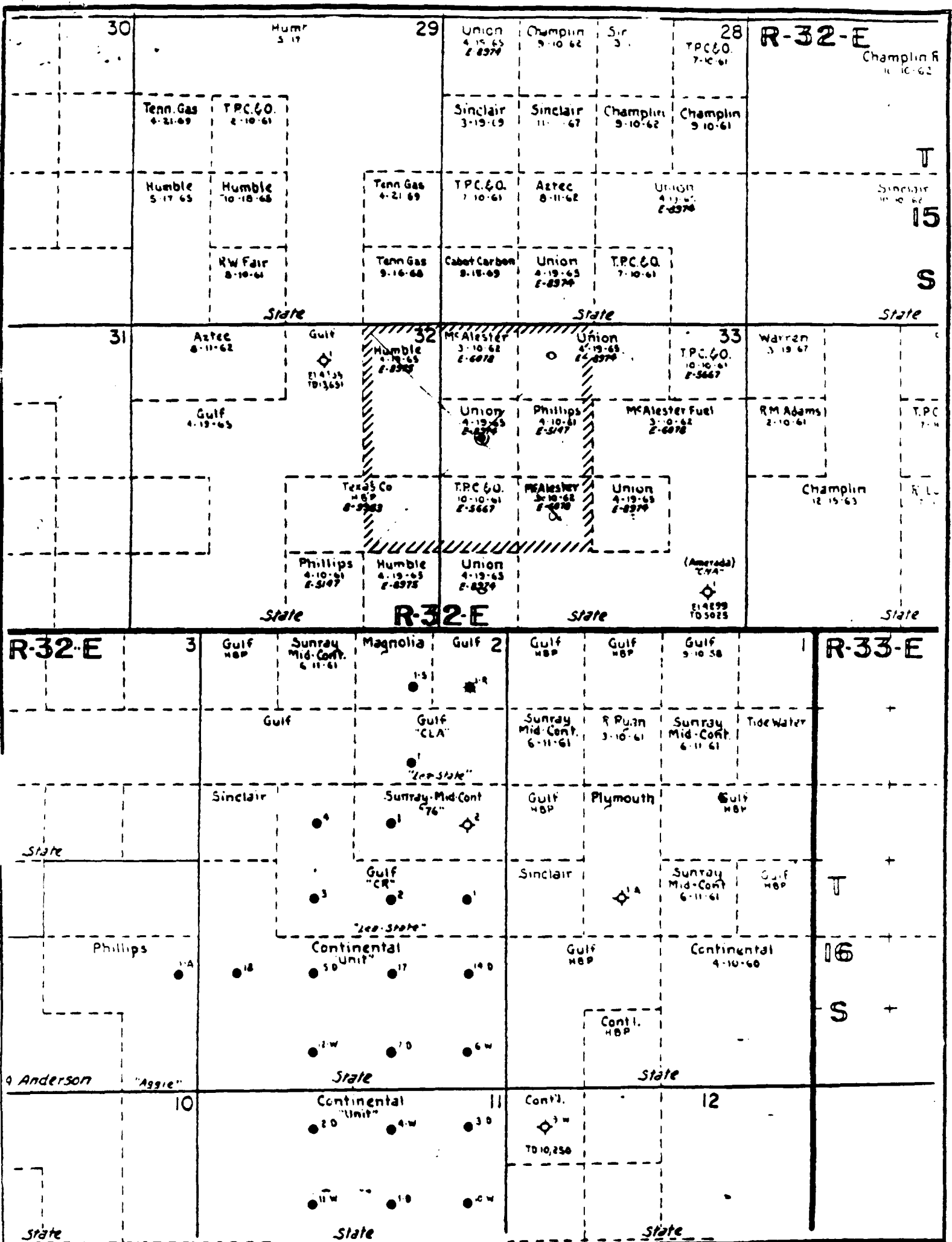
TRACT NO.	DESCRIPTION OF LAND	NO. OF ACRES	LEASE # & DATE	LESSOR	RECORD LESSEE	BASIC ROYALTY AND PERCENT	BASIC ROYALTY AND PERCENT	WORKING INTEREST OWNER	
1	<u>T-15-S, R-32-E</u> Sec. 32: E/2 NE/4	80	E-8975 4-19-55	State	John H. Hendrix Corp.	State - All (12.5%)	None	John H. Hendrix Corp. Michael Klein Ronnie Westbrook Daniel Veirs	4% 48% 2% 2%
2	<u>T-15-S, R-32-E</u> Sec. 32: NE/4 SE/4 (HBP)	40	B-9953 12-10-41	State	Union Oil Company of California	State - All (12.5%)	None	Union Oil Company of California	
3	<u>T-15-S, R-32-E</u> Sec. 33: NW/4 NW/4 NE/4 SW/4	80	E-6078 3-10-52	State	Union Oil Company of California	State - All (12.5%)	.03125% (1/32 of 8/8)	Union Oil Company of California Charles F. Bartell James Denny Bartell	68.75% 3.13% 3.13%
								First City National Bank of Houston, Successor Trustee of Residuary Trust U/W/O W. J. Goldston, Dec'd	8.33%
								First City National Bank of Houston & Kathleen Hadley Goldston, Trustees of the Kathleen Hadley Goldston Trust	12.50%
								First City National Bank of Houston Trustee of the Jeanne Goldston Trust	1.38%
								W. J. Goldston, Jr. Gloria Goldston King Revocable Trust	1.39% 1.39%

EXHIBIT "B" (CONTINUED)

TRACT NO.	DESCRIPTION OF LAND	NO. OF ACRES	LEASE # & DATE	LESSOR	RECORD LESSEE	BASIC ROYALTY AND PERCENT	BASIC ROYALTY AND PERCENT	WORKING INTEREST OWNER
4	<u>T-15-S, R-32-E</u> Sec. 33: SW/4 NW/4 NE/4 NW/4	80	E-8974 4-19-55	State	Union Oil Company of California	State - All (12.5%)	None	Union Oil Company of California
5	<u>T-15-S, R-32-E</u> Sec. 33: NW/4 SW/4	40	E-5667 10-10-51	State	Union Oil Company of California	State - All (12.5%)	None	Union Oil Company of California
6	<u>T-15-S, R-32-E</u> Sec. 33: SE/4 NW/4	40	E-5147 4-10-51	State	Union Oil Company of California	State - All (12.5%)	None	Union Oil Company of California John H. Hendrix Corp. Michael Klein Ronnie Westbrook Daniel Veirs

65.95744%  
16.34043%  
16.34043%  
.68085%  
.68085%

Six State tracts containing 360 acres



# EXHIBIT "A"

## NORTH ANDERSON RANCH DEVONIAN UNIT

### LEA COUNTY, NEW MEXICO

DATE: \_\_\_\_\_ SCALE: 1" = 2000'





JIM BACA  
COMMISSIONER

State of New Mexico  
OFFICE OF THE  
Commissioner of Public Lands  
Santa Fe

1871

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

SLO REF NO. OG-1282

April 2, 1993

UNOCAL  
P.O. Box 3100  
Midland, Texas 79702

Attn: Ms. Linda H. Hicks

Re: 1993 Plan of Development  
North Anderson Ranch Unit  
Lea County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

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

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

JIM BACA  
COMMISSIONER OF PUBLIC LANDS

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

JB/FOP/pm  
cc: OCD ✓  
BLM

**Unocal North American  
Oil & Gas Division**  
Unocal Corporation  
1004 North Big Spring Street, Suite 300  
P.O. Box 3100  
Midland, Texas 79702  
Telephone (915) 684-8231



Southwestern Region

March 23, 1993

Oil Conservation Division  
Energy & Minerals Division  
P. O. Box 2088  
Santa Fe, New Mexico 87504-2088

Attn: Mr. William J. LeMay, Director

1993 Plan of Development  
North Anderson Ranch Unit Area  
Lea County, New Mexico  
N/Anderson Ranch Prospect (7366)

Gentlemen:

Please find enclosed for your approval two (2) copies of Union's 1993 Plan of Development for the North Anderson Ranch Unit.

Should you have any questions, please let me know.

Sincerely,

UNION OIL COMPANY OF CALIFORNIA  
dba UNOCAL

A handwritten signature in cursive script that reads "Linda H. Hicks".

Linda H. Hicks  
Supervisor of Contracts

LHH/jb  
Enclosures

**1993 PLAN OF DEVELOPMENT  
NORTH ANDERSON RANCH UNIT AREA  
LEA COUNTY, NEW MEXICO**

TO: Oil Conservation Division  
Energy & Minerals Division  
P. O. Box 2088  
Santa Fe, New Mexico 88201-2088

Attn: Mr. William J. LeMay, Director  
Oil & Gas Division

Union Oil Company of California, as Unit Operator for the North Anderson Ranch Unit, respectfully submits for approval this 1993 Plan of Development for the North Anderson Ranch Unit Area for the period ending December 31, 1993.

SUMMARY OF 1992 OPERATIONS

No new wells were drilled in 1992. The Unit wells produced a total of 44,079 BO plus 74.142 MMCF for 1992.

Current production is 84 BOPD and 109 MCFPD for well 1-33 and 15 BOPD and 19 MCFPD for well 3-33.

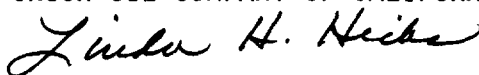
PLAN OF DEVELOPMENT FOR 1993

No development drilling is planned for 1993.

Submitted this 23rd day of March, 1993.

Sincerely,

UNION OIL COMPANY OF CALIFORNIA



Linda H. Hicks  
Supervisor of Contracts

LHH/jb  
HICKS/ANDERSON

**1993 PLAN OF DEVELOPMENT  
NORTH ANDERSON RANCH UNIT AREA  
LEA COUNTY, NEW MEXICO**

TO: Oil Conservation Division  
Energy & Minerals Division  
P. O. Box 2088  
Santa Fe, New Mexico 88201-2088

Attn: Mr. William J. LeMay, Director  
Oil & Gas Division

Union Oil Company of California, as Unit Operator for the North Anderson Ranch Unit, respectfully submits for approval this 1993 Plan of Development for the North Anderson Ranch Unit Area for the period ending December 31, 1993.

SUMMARY OF 1992 OPERATIONS

No new wells were drilled in 1992. The Unit wells produced a total of 44,079 BO plus 74.142 MMCF for 1992.

Current production is 84 BOPD and 109 MCFPD for well 1-33 and 15 BOPD and 19 MCFPD for well 3-33.

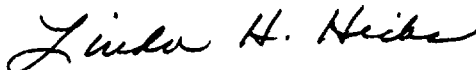
PLAN OF DEVELOPMENT FOR 1993

No development drilling is planned for 1993.

Submitted this 23rd day of March, 1993.

Sincerely,

UNION OIL COMPANY OF CALIFORNIA



Linda H. Hicks  
Supervisor of Contracts

UNION OIL CO OF CAL

NORTH ANDERSON RANCH UNIT 33

WELL#1

State	Dist	County	Location
NM(30)	2	025 LEA	33E 15S 32E

API #	Field (#8001574 )	Reservoir
30-025-00355	ANDERSON RANCH NORTH (WOLFCAMP)	WOLFCAMP

Month	Oil bbls	Cum Oil bbls	Gas mcf	Cum Gas mcf	Water bbls	No.of Wells
January	3269	818765	4413	1241869	9362	1
February	2654	821419	4739	1246608	7656	1
March	2496	823915	4730	1251338	8618	1
April	3332	827247	5775	1257113	7890	1
May	3324	830571	6757	1263870	8060	1
June	2951	833522	5655	1269525	7140	1
July	2593	836115	4931	1274456	7688	1
August	3382	839497	4759	1279215	9000	1
September	3152	842649	5847	1285062	8400	1
October	3406	846055	5154	1290216	6935	1
November	3023	849078	4783	1294999	4966	1
December	2817	851895	3651	1298650	5439	1
Total 1992	36399	851895	61194	1298650	91154	1

UNION OIL CO OF CAL

NORTH ANDERSON RANCH UNIT 33

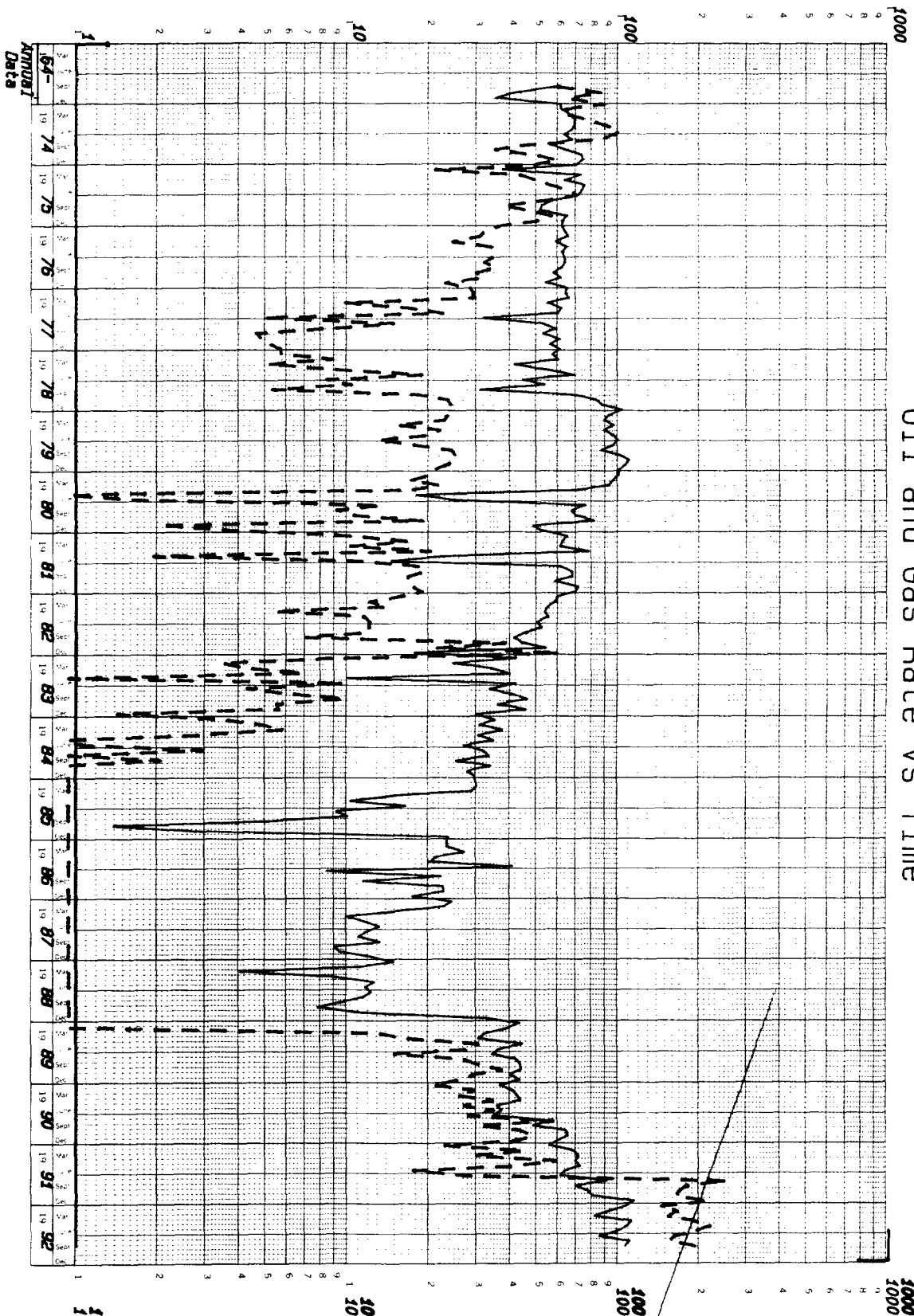
WELL#3

State	Dist	County	Location
NM(30)	2	025 LEA	33K 15S 32E

API #	Field (#8001574 )	Reservoir
30-025-00359	ANDERSON RANCH NORTH (WOLFCAMP)	WOLFCAMP

Month	Oil bbls	Cum Oil bbls	Gas mcf	Cum Gas mcf	Water bbls	No.of Wells
January	771	422663	1040	1092385	1240	1
February	698	423361	1247	1093632	1392	1
March	513	423874	971	1094603	1488	1
April	694	424568	1203	1095806	1440	1
May	810	425378	1646	1097452	1736	1
June	642	426020	1230	1098682	1680	1
July	564	426584	1072	1099754	1798	1
August	735	427319	1035	1100789	1168	1
September	525	427844	975	1101764	1620	1
October	511	428355	773	1102537	1040	1
November	630	428985	996	1103533	1034	1
December	587	429572	760	1104293	1133	1
Total 1992	7680	429572	12948	1104293	16769	1

# Oil and Gas Rate vs Time



(BBL/DAY)

(MCF/DAY)

(COUNT)

## LEGEND

WELLS —  
OIL —  
GAS - - -

UNOCAL



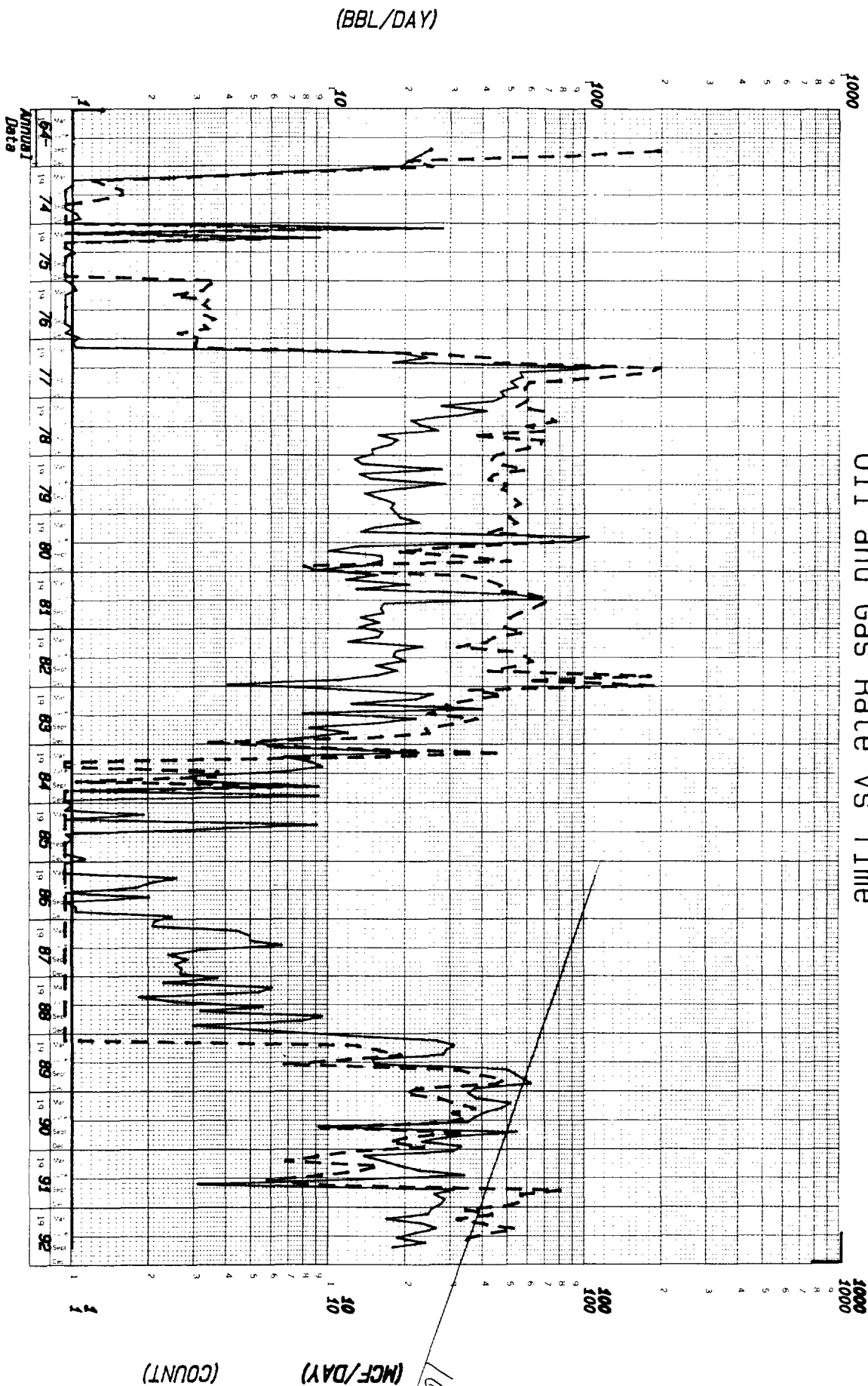
ANDREWS  
DISTRICT

Lease: NORTH ANDERSON RANCH UNIT 33  
Field: ANDERSON RANCH NORTH (WOLF CAMP)  
County: LEA NM  
Operator: UNION OIL CO OF CAL  
Retrieval Code: 150, 025, 15532E33E00MC

MC

Date: 01-22-93  
Cumulative Bo: 842549  
Cumulative Mcf: 1286062

# Oil and Gas Rate vs Time



## LEGEND

WELLS ———  
OIL - - -  
GAS . . .

UNOCAL

76

ANDREWS  
DISTRICT

Lease: NORTH ANDERSON RANCH UNIT 33  
Field: ANDERSON RANCH NORTH (WOLF CAMP)  
County: LEA NM  
Operator: UNION OIL CO OF CAL  
Retrieval Code: 150, 025, 15532E33K00MC

MC

Cumulative Bo : 427844  
Cumulative Mcf: 1101764  
Date: 01-22-93





EXHIBIT "B"

NORTH ANDERSON RANCH UNIT AREA, LEA COUNTY, NEW MEXICO, TOWNSHIP 15 SOUTH, RANGE 32 EAST  
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTERESTS IN ALL LANDS IN THE UNIT AREA

TRACT NO.	DESCRIPTION OF LAND	NO. OF ACRES	LEASE # & DATE	LESSOR	RECORD LESSEE	BASIC ROYALTY AND PERCENT	BASIC ROYALTY AND PERCENT	WORKING INTEREST OWNER
1	T-15-S, R-32-E Sec. 32: E/2 NE/4	80	E-8975 4-19-55	State	John H. Hendrix Corp.	State - All (12.5%)	None	John H. Hendrix Corp. Michael Klein Ronnie Westbrook Daniel Veirs 48% 48% 2% 2%
2	T-15-S, R-32-E Sec. 32: NE/4 SE/4 (HBP)	40	B-9953 12-10-41	State	Union Oil Company of California	State - All (12.5%)	None	Union Oil Company of California
3	T-15-S, R-32-E Sec. 33: NW/4 NE/4 SW/4	80	E-6078 3-10-52	State	Union Oil Company of California	State - All (12.5%)	.03125% (1/32 of 8/8)	Union Oil Company of California Charles F. Bartell James Denny Bartell 68.75% 3.13% 3.13%
								First City National Bank of Houston, Successor Trustee of Residuary Trust U/W/O W. J. Goldston, Dec'd 8.33%
								First City National Bank of Houston & Kathleen Hadley Goldston, Trustees of the Kathleen Hadley Goldston Trust 12.50%
								First City National Bank of Houston Trustee of the Jeanne Goldston Trust 1.38%
								W. J. Goldston, Jr. Gloria Goldston King Revocable Trust 1.39% 1.39%

EXHIBIT "B" (CONTINUED)

<u>TRACT NO.</u>	<u>DESCRIPTION OF LAND</u>	<u>NO. OF ACRES</u>	<u>LEASE # &amp; DATE</u>	<u>LESSOR</u>	<u>RECORD LESSEE</u>	<u>BASIC ROYALTY AND PERCENT</u>	<u>BASIC ROYALTY AND PERCENT</u>	<u>WORKING INTEREST OWNER</u>
4	T-15-S, R-32-E Sec. 33: SW/4 NW/4 NE/4 NW/4	80	E-8974 4-19-55	State	Union Oil Company of California	State - All (12.5%)	None	Union Oil Company of California
5	T-15-S, R-32-E Sec. 33: NW/4 SW/4	40	E-5667 10-10-51	State	Union Oil Company of California	State - All (12.5%)	None	Union Oil Company of California
6	T-15-S, R-32-E Sec. 33: SE/4 NW/4	40	E-5147 4-10-51	State	Union Oil Company of California	State - All (12.5%)	None	Union Oil Company of California John H. Hendrix Corp. Michael Klein Ronnie Westbrook Daniel Veirs 65.95744% 16.34043% 16.34043% .68085% .68085%

ix State tracts containing 360 acres

# 1871

Unocal Oil & Gas Division  
Unocal Corporation  
1004 North Big Spring Street, Suite 900  
P.O. Box 3100  
Midland, Texas 79702  
Telephone (915) 684-8231

91 MAR 5 AM 9 10

OK'd 3-6-91

**UNOCAL** 

Southwestern Region

March 1, 1991

Oil Conservation Division  
Energy and Minerals Division  
P. O. Box 2088  
Santa Fe, New Mexico 87504-2088

Attn: Mr. William J. LeMay,  
Director

1991 Plan of Development  
North Anderson Ranch Unit  
Lea County, New Mexico  
N/Anderson Ranch (7366)

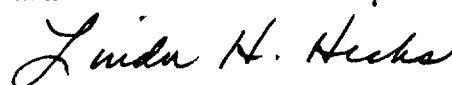
Gentlemen:

Please find enclosed for your approval two copies of Union's 1991 Plan of Development for the North Anderson Ranch Unit.

Should you have any questions, please let me know.

Sincerely yours,

UNION OIL COMPANY OF CALIFORNIA  
dba UNOCAL



Linda H. Hicks  
Supervisor of Contracts

LHH/jb  
Enclosures

1991 PLAN OF DEVELOPMENT  
NORTH ANDERSON RANCH UNIT  
LEA COUNTY, NEW MEXICO

TO: Oil Conservation Division  
Energy and Minerals Division  
P. O. Box 2088  
Santa Fe, New Mexico 87504-2088

Attn: Mr. William J. LeMay,  
Director

Union Oil Company of California as Unit Operator for the North Anderson Ranch Unit, respectfully submits for approval this 1991 Plan of Development for the North Anderson Ranch Unit Area for the period ending December 31, 1991.

SUMMARY OF 1990 OPERATIONS

No new wells were drilled in 1990. The Unit wells produced a total of 29,712 BO plus 21.9 MMCF for 1990.

Current production is 60 BOPD for well 1-33 and 33 BOPD for well 3-33.

PLAN OF DEVELOPMENT FOR 1991

No development drilling is planned for 1991. Union will continue to monitor and evaluate the Unit for possible development potential.

Submitted this 1st day of March, 1991.

Sincerely yours,

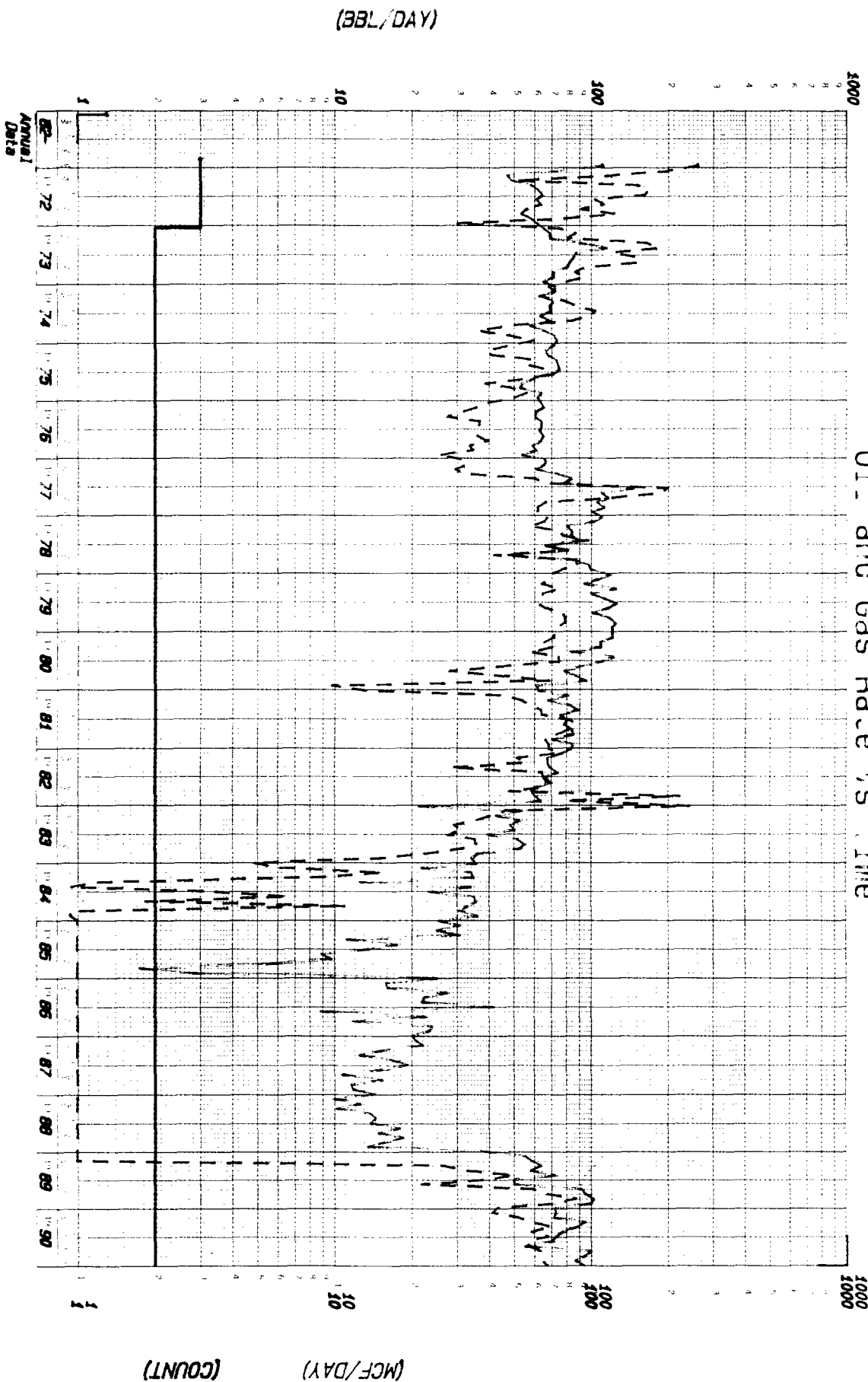
UNION OIL COMPANY OF CALIFORNIA

*Linda H. Hicks*

Linda H. Hicks  
Supervisor of Contracts



# Oil and Gas Rate vs Time



## LEGEND

WELLS —  
OIL —  
GAS - - -

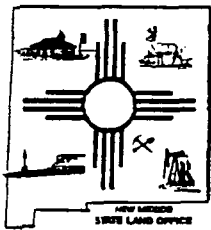
UNOCAL



MIDLAND DISTRICT

Lease: NORTH ANDERSON RANCH UNIT #17C  
Field: ANDERSON RANCH NORTH  
County: LEA NM  
Operator: UNION OIL CO OF CALIF  
Retrieval Code: 999, 999, 999999

Date: 01-28-91  
Cumulative BO: 1526759  
Cumulative Mcf: 3040649



State of New Mexico  
Commissioner of Public Lands

1871

April 2, 1990

W. R. Humphries  
COMMISSIONER

Advisory Board

George Clark  
Chairman

Kristin Conniff  
Vice Chairman

Melvin Cordova

Joe Kelly

Robert Portillos

Nancy Lynch Vigil

Rex Wilson

UNOCAL Corporation  
P.O. Box 3100  
Midland, Texas 79702

ATTN: Ms. Linda Hicks

RE: ~~North Anderson Ranch Unit~~  
Lea County, New Mexico  
1990 Plan of Development

Gentlemen:

The Commissioner of Public Lands has this date approved the 1990 Plan of Development for the North Anderson Ranch Unit. Our approval is subject to like approval by all other appropriate agencies.

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

Enclosed is an approved copy of the 1990 Plan of Development for your files. If we may be of further help, please do not hesitate to contact Susan Howarth at (505) 827-5791.

Very truly yours,

W.R. HUMPHRIES,  
COMMISSIONER OF PUBLIC LANDS

BY:

FLOYD O. PRANDO, Director  
Oil and Gas Division  
(505) 827-5749

cc: OCD - Santa Fe, New Mexico  
BLM  
Unit Correspondence File  
Unit P.O.D. File

WRH/FOP/SMH

Unocal North American  
Oil & Gas Division  
Unocal Corporation  
1004 North Big Spring Street, Suite 300  
P.O. Box 3100  
Midland, Texas 79702  
Telephone (915) 684-8231

UNOCAL 76

Southwestern Region

3-33-90

D-UNIT LETTER

Thx  
fy

March 15, 1990

Oil Conservation Division  
Energy and Minerals Division  
P. O. Box 2088  
Santa Fe, New Mexico 87504-2088

Attn: Mr. William J. LeMay,  
Director

Re: 1990 Plan of Development  
**North Anderson Ranch Unit**  
Lea County, New Mexico  
N/Anderson Ranch Prospect  
(7366)

Gentlemen:

Please find enclosed for your approval two copies of Union's  
1990 Plan of Development for the North Anderson Ranch Unit.

Should you have any questions, please let me know.

Sincerely yours,

Union Oil Company of California

*Linda H. Hicks*

Linda H. Hicks  
Supervisor of Contracts

LHH:jpp

Enclosures



1990 PLAN OF DEVELOPMENT  
NORTH ANDERSON RANCH UNIT  
LEA COUNTY, NEW MEXICO

TO: Oil Conservation Division  
Energy and Minerals Division  
P. O. Box 2088  
Santa Fe, New Mexico 87504-2088

Attn: Mr. William J. LeMay,  
Director

Union Oil Company of California as Unit Operator for the North Anderson Ranch Unit, respectfully submits for approval this 1990 Plan of Development for the North Anderson Ranch Unit Area for the period ending December 31, 1990.

SUMMARY OF 1989 OPERATIONS:

No new wells were drilled in 1989. The Unit wells produced a total of 26442 BO plus 13 MMCF for 1989. Production is up 20,000 BO over the previous year due to the following:

- 1) Repairing a mechanical problem in the North Anderson Ranch Unit Well 1-33.
- 2) Cleaning out and acidizing the North Anderson Ranch Unit Well 3-33.

Current production is 45 BOPD for well 1-33 and 50 BOPD for well 3-33.

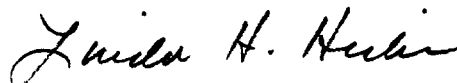
PLAN OF DEVELOPMENT FOR 1990

No development drilling is planned for 1990. Union will continue to monitor and evaluate the Unit for possible development potential.

Submitted this 15 day of March, 1990.

Sincerely yours,

Union Oil Company of California  
dba Unocal



Linda H. Hicks  
Supervisor of Contracts

LHH:jpp

# North Anderson Ranch Unit

	Oil (Bbls)	Gas (MCF)
<u>1988</u>		
Jan.	303	0
Feb.	388	0
Mar.	310	0
Apr.	421	0
May	445	0
June	432	0
July	549	0
Aug.	451	0
Sept.	565	0
Oct.	478	0
Nov.	411	0
Dec.	1172	0
<u>1989</u>		
Jan.	1686	0
Feb.	1800	0
Mar.	1941	0
Apr.	1760	0
May	2227	1527
June	1518	1204
July	1519	664
Aug.	2803	1793
Sept.	2877	2025
Oct.	3104	2637
Nov.	3018	2206
Dec.	2189	1058

Wolfcamp Formation  
North Anderson Ranch Field



EXHIBIT "B"

NORTH ANDERSON RANCH UNIT AREA, LEA COUNTY, NEW MEXICO, TOWNSHIP 15 SOUTH, RANGE 32 EAST  
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTERESTS IN ALL LANDS IN THE UNIT AREA

TRACT NO.	DESC. OF LAND	NO. OF ACRES	LEASE # & DATE	LESSOR	RECORD LESSEE	BASIC ROYALTY AND PERCENT	OVERRIDING ROYALTY AND. PERCENT	WORKING INTEREST OWNER	
1	<u>T-15-S, R-32-E</u> Sec. 32: E/2 NE/4	80	E-8975 4-19-55 (HBU)	State	John H. Hendrix Corp.	State - All (12.5%)	None	John H. Hendrix Corp. Michael Klein Ronnie Westbrook Daniel Veirs	48% 48% 2% 2%
2	<u>T-15-S, R-32-E</u> Sec. 32: NE/4SE/4	40	B-9953 12-10-41 (HBP)	State	Union Oil Company of California	State - All (12.5%)	None	Union Oil Company of California	
3	<u>T-15-S, R-32-E</u> Sec. 33: NW/4NW/4 NE/4SW/4	80	E-6078 3-10-52 (HBU)	State	Union Oil Company of California	State - All (12.5%)	.03125% (1/32 of 8/8)	Union Oil Company of California Charles F. Bartell James Denny Bartell	43.75% 3.13% 3.13%
								First City National Bank of Houston, Successor Trustee of Residuary Trust U/W/O W. J. Goldston, dec'd	8.33%
								First City National Bank of Houston & Kathleen Hadley Goldston, Trustees of the Kathleen Hadley Goldston Trust.	12.50%
								First City National Bank of Houston Trustee of the Jeanne Goldston Trust	1.38%
								Mary Iris Goldston Coup	12.50%
								W. J. Goldston, Jr.	1.39%
								Gloria Goldston King	1.39%
								Mayfield Corporation	12.50%

EXHIBIT "B"  
PAGE 2

TRACT NO.	DESC. OF LAND	NO. OF ACRES	LEASE # & DATE	LESSOR	RECORD LESSEE	BASIC ROYALTY AND PERCENT	OVERRIDING ROYALTY AND PERCENT	WORKING INTEREST OWNER
4	<u>T-15-S, R-32-E</u> Sec. 33: SW/4NW/4 NE/4NW/4	80	E-8974 4-19-55 (HBU)	State	Union Oil Company of California	State - All (12.5%)	None	Union Oil Company of California
5	<u>T-15-S, R-32-E</u> Sec. 33: NW/4SW/4	40	E-5667 10-10-51 (HBU)	State	ORVX	State - All (12.5%)	None	ORVX
6	<u>T-15-S, R-32-E</u> Sec. 33: SE/4NW/4	40	E-5147 4-10-51 (HBU)	State	Union Oil Company of California	State - All (12.5%)	None	Union Oil Company of California Johnn H. Hendrix Corp. Michael Klein Ronnie Westbrook Daniel Veirs

Six State tracts containing 360 acres

65.95744%  
16.34043%  
16.34043%  
.68085%  
.68085%

1990 PLAN OF DEVELOPMENT  
NORTH ANDERSON RANCH UNIT  
LEA COUNTY, NEW MEXICO

TO: Oil Conservation Division  
Energy and Minerals Division  
P. O. Box 2088  
Santa Fe, New Mexico 87504-2088

Attn: Mr. William J. LeMay,  
Director

Union Oil Company of California as Unit Operator for the North Anderson Ranch Unit, respectfully submits for approval this 1990 Plan of Development for the North Anderson Ranch Unit Area for the period ending December 31, 1990.

SUMMARY OF 1989 OPERATIONS:

No new wells were drilled in 1989. The Unit wells produced a total of 26442 BO plus 13 MMCF for 1989. Production is up 20,000 BO over the previous year due to the following:

- 1) Repairing a mechanical problem in the North Anderson Ranch Unit Well 1-33.
- 2) Cleaning out and acidizing the North Anderson Ranch Unit Well 3-33.

Current production is 45 BOPD for well 1-33 and 50 BOPD for well 3-33.

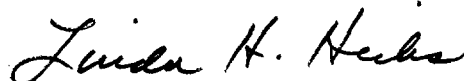
PLAN OF DEVELOPMENT FOR 1990

No development drilling is planned for 1990. Union will continue to monitor and evaluate the Unit for possible development potential.

Submitted this 15 day of March, 1990.

Sincerely yours,

Union Oil Company of California  
dba Unocal



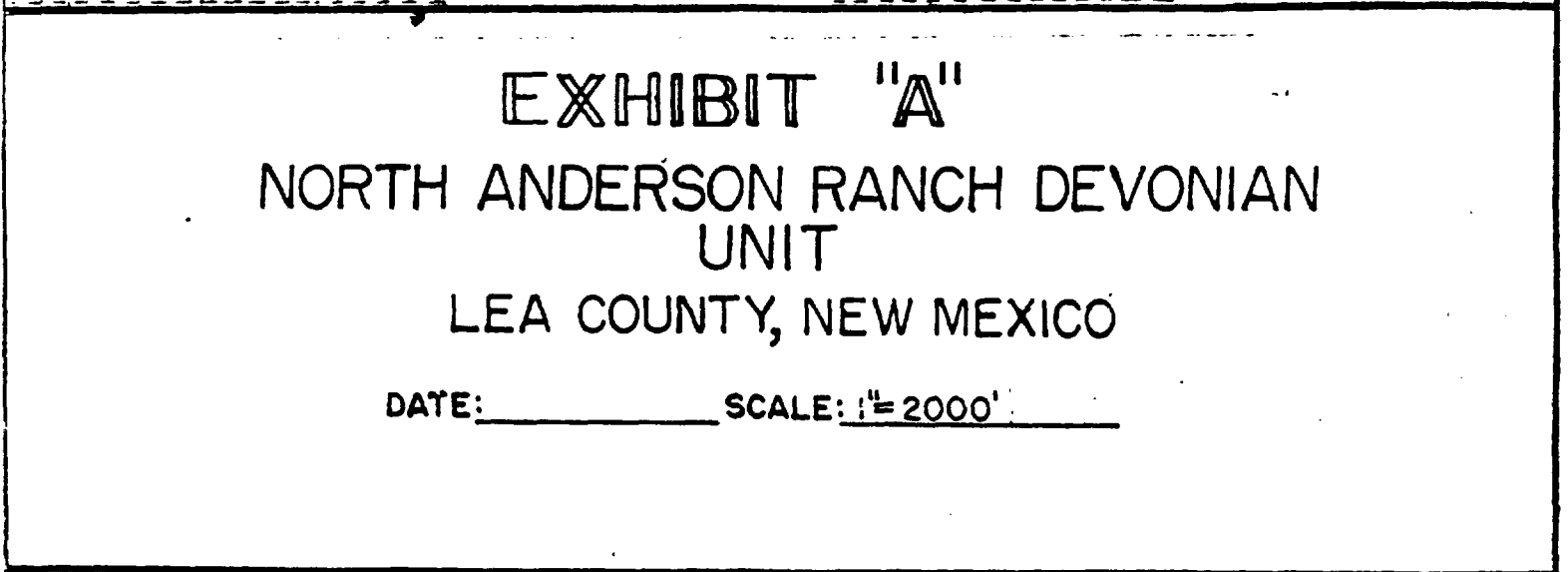
Linda H. Hicks  
Supervisor of Contracts

LHH:jpp

# North Anderson Ranch Unit

	<u>Oil</u> <u>(Bbls)</u>	<u>Gas</u> <u>(MCF)</u>
<u>1988</u>		
Jan.	303	0
Feb.	388	0
Mar.	310	0
Apr.	421	0
May	445	0
June	432	0
July	549	0
Aug.	451	0
Sept.	565	0
Oct.	478	0
Nov.	411	0
Dec.	1172	0
<u>1989</u>		
Jan.	1686	0
Feb.	1800	0
Mar.	1941	0
Apr.	1760	0
May	2227	1527
June	1518	1204
July	1519	664
Aug.	2803	1793
Sept.	2877	2025
Oct.	3104	2637
Nov.	3018	2206
Dec.	2189	1058

Wolfcamp Formation  
North Anderson Ranch Field



DATE: \_\_\_\_\_ SCALE: 1"=2000'



TRACT	NO. OF LEASE #		BASIC	OVERRIDING	
NO.	DESC. OF LAND	ACRES & DATE	LESSOR	RECORD LESSEE	WORKING INTEREST OWNER

[illegible]

EXHIBIT "B"  
PAGE 2

TRACT NO.	DESC. OF LAND	NO. OF ACRES	LEASE # & DATE	LESSOR	RECORD LESSEE	BASIC ROYALTY AND PERCENT	OVERRIDING ROYALTY AND PERCENT	WORKING INTEREST OWNER
4	<u>T-15-S, R-32-E</u> Sec. 33: SW/4NW/4 NE/4NW/4	80	E-8974 4-19-55 (HBU)	state	Union Oil Company of California	State - All (12.5%)	None	Union Oil Company of California
5	<u>T-15-S, R-32-E</u> Sec. 33: NW/4SW/4	40	E-5667 10-10-51 (HBU)	State	ORYX	State - All (12.5%)	None	ORYX
6	<u>T-15-S, R-32-E</u> Sec. 33: SE/4NW/4	40	E-5147 4-10-51 (HBU)	State	Union Oil Company of California	State - All (12.5%)	None	Union Oil Company of California Johnn H. Hendrix Corp. Michael Klein Ronnie Westbrook Daniel Velrs

Six State tracts containing 360 acres

65.95744%  
16.34043%  
16.34043%  
.68085%  
.68085%

State of New Mexico



W.R. HUMPHRIES  
COMMISSIONER

Commissioner of Public Lands

December 21, 1988

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

Unocal Corporation  
Attn: Ms. Linda H. Hicks  
P. O. Box 671  
Midland, Texas 79702

# 1871

Re: North Anderson Ranch Unit Well #5  
NE $\frac{1}{4}$ SE $\frac{1}{4}$  Section 32-15S-32E  
Lea County, New Mexico  
North Anderson Ranch Prospect 7366

Gentlemen:

This office is in receipt of your letter of November 29, 1988, advising this office that the North Anderson Ranch Unit Well No. 5 was plugged in March 1986 and you have requested that the Designation of H. L. Brown as operator be cancelled.

Please be advised that this office has cancelled the Designation of Operator for H. L. Brown effective as of March 1986.

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

Very truly yours,

W. R. HUMPHRIES  
COMMISSIONER OF PUBLIC LANDS

BY:

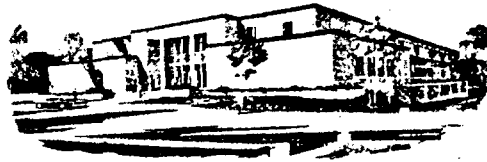
*Floyd O. Prando*  
FLOYD O. PRANDO, Director  
Oil and Gas Division  
(505) 827-5744

WRH/FOP/pm  
encls.  
cc: OCD

State of New Mexico



W.R. HUMPHRIES  
COMMISSIONER



Commissioner of Public Lands

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

March 30, 1989

Unocal Oil and Gas Division  
P.O. Box 671  
Midland, Texas 79702

ATTN: Linda Hicks

RE: 1989 Plan of Development  
North Anderson Ranch Unit  
Lea County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned 1989 Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

Enclosed is a copy for your files.

If we may be of further help, please do not hesitate to contact us.

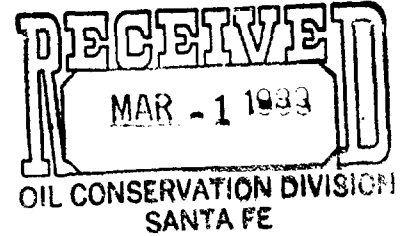
Very truly yours,

W.R. HUMPHRIES  
COMMISSIONER OF PUBLIC LANDS

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

cc:OCD  
BLM

Unocal Oil & Gas Division  
Unocal Corporation  
1004 North Big Spring Street, P.O. Box 671  
Midland, Texas 79702  
Telephone (915) 682-9731



February 23, 1989

Midland District  
Central Region

Oil Conservation Division  
Energy and Minerals Division  
P. O. Box 2088  
Santa Fe, New Mexico 87504-2088

Attn: Mr. William J. LeMay,  
Director

1989 Plan of Development  
North Anderson Ranch Unit  
Section 33: SW/4, N/2SW/4  
Section 32: E/2NE/4, NE/4SE/4  
T-15-S, R-32-E  
Lea County, New Mexico  
Union's N/Anderson Ranch  
Prospect (7366)

Gentlemen:

Please find enclosed for your approval two copies of Union's 1989 Plan of Development for the North Anderson Ranch Unit.

Should you have any questions, please let me know.

Sincerely yours,

Union Oil Company of California

Linda H. Hicks  
Landman

LHH:jpp

Enclosures

1989 PLAN OF DEVELOPMENT  
NORTH ANDERSON RANCH UNIT  
LEA COUNTY, NEW MEXICO

TO: Oil Conservation Division  
Energy and Minerals Division  
P. O. Box 2088  
Santa Fe, New Mexico 87504-2088

Attn: Mr. William J. LeMay,  
Director

Union Oil Company of California as Unit Operator for the North Anderson Ranch Unit, respectfully submits for approval this 1989 Plan of Development for the North Anderson Ranch Unit Area for the period ending December 31, 1989.

SUMMARY OF 1988 OPERATIONS:

No new wells were drilled in 1988. The Unit wells produced a total of 6287 BO for 1988. Current Unit production is 74 BOPD.


PLAN OF DEVELOPMENT FOR 1989

No new wells are planned to be drilled in 1989.

Submitted this 24 day of February, 1989.

Sincerely yours,

Union Oil Company of California

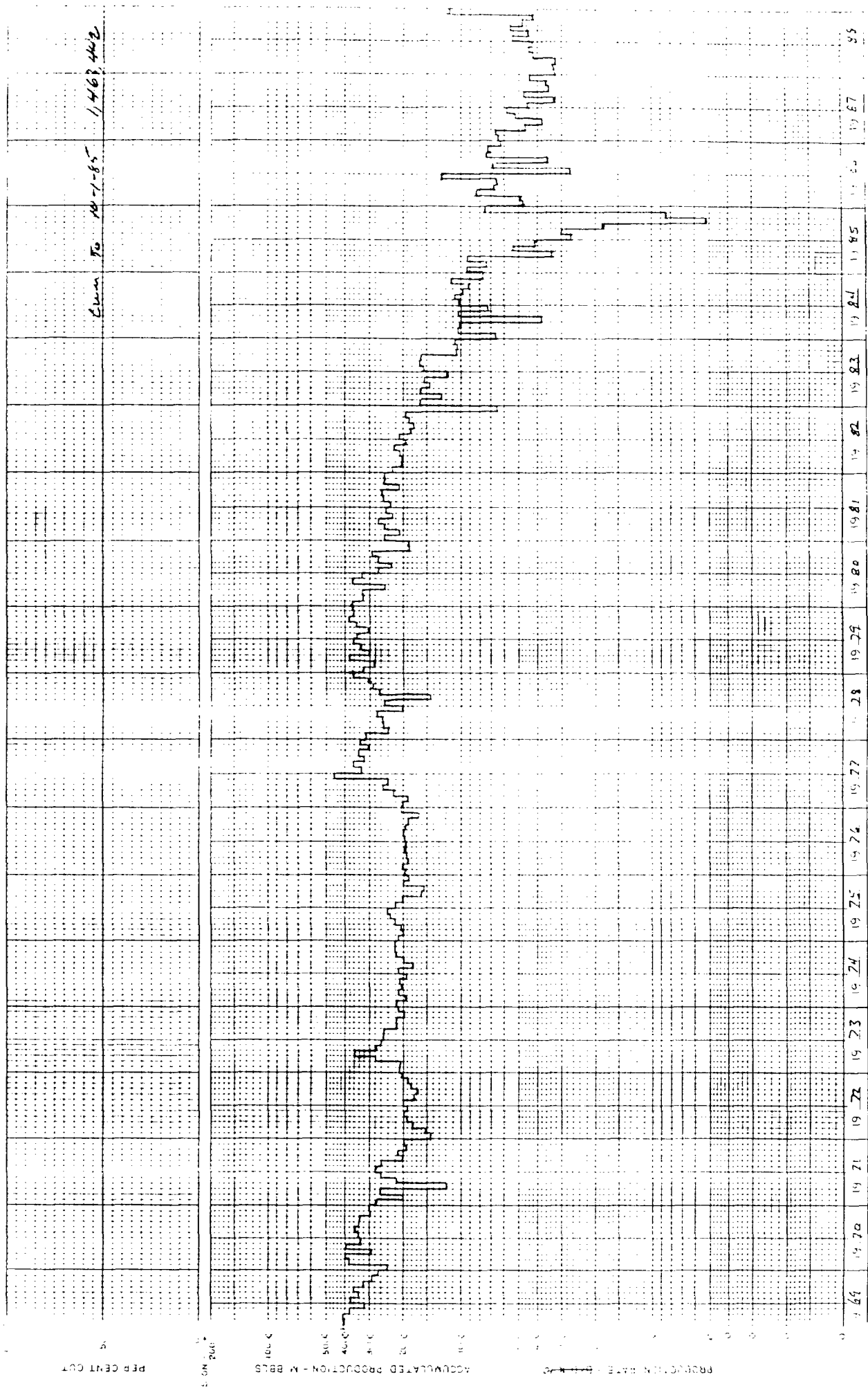
  
Hugh H. Herndon  
District Land Manager

HHH:LHH:jpp

FIELD N. Anderson Ranch  
 ZONE Wolfcamp

WELL N. And. Knoll 1  
 S Wells

Run To 10-1-85 1463.442



PER CENT CUT

ACCUMULATED PRODUCTION - M BBL

PRODUCTION RATE - BBL/DAY

~~#~~ 1871  
**Unocal Oil & Gas Division**  
Unocal Corporation  
500 North Marienfeld, P.O. Box 671  
Midland, Texas 79702  
Telephone (915) 682-9731



March 1, 1988

Midland District

Oil Conservation Division  
Energy and Minerals Division  
P.O. Box 2088  
Santa Fe, New Mexico 87501  
Attn: Mr. William J. LeMay, Director

1988 Plan of Development  
North Anderson Ranch Unit  
Sec. 33: SW/4, N/2SW/4  
Sec. 32: E/2NE/4, NE/4SE/4  
T-15-S, R-32-E  
Lea County, New Mexico  
Union's N/Anderson Ranch Prospect (7366)

Gentlemen:

Please find enclosed two copies of Union's 1988 Plan of Development and Operations for the North Anderson Ranch Unit.

Should you have any questions, please let me know.

Sincerely yours,

UNION OIL COMPANY OF CALIFORNIA

Linda H. Hicks  
Landman

LHH/s  
Enclosures

RECEIVED  
MAR 1 1988  
MIDLAND DISTRICT  
UNION OIL COMPANY OF CALIFORNIA



1988 PLAN OF DEVELOPMENT AND OPERATIONS

FOR

NORTH ANDERSON RANCH UNIT  
LEA COUNTY, NEW MEXICO

TO: Oil Conservation Division  
Energy and Minerals Division  
P.O. Box 2088  
Santa Fe, New Mexico 87501  
Attn: Mr. William J. LeMay, Director

Union Oil Company of California, as Unit Operator for the North Anderson Ranch Unit, respectfully submits for approval this 1988 Plan of Development and Operations for the North Anderson Ranch Unit Area for the period ending December 31, 1988.

SUMMARY OF 1987 OPERATIONS:

No new wells were drilled in 1987. The Unit wells produced a total of 5658 BO for 1987. Current Unit production is 14 BOPD.

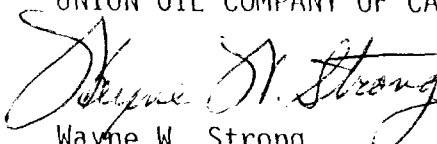
PLAN OF DEVELOPMENT AND OPERATIONS FOR 1988:

No new wells are planned to be drilled in 1988.

SUBMITTED this 1st day of March, 1988.

Sincerely,

UNION OIL COMPANY OF CALIFORNIA

  
Wayne W. Strong  
District Land Manager

WWS/lhh

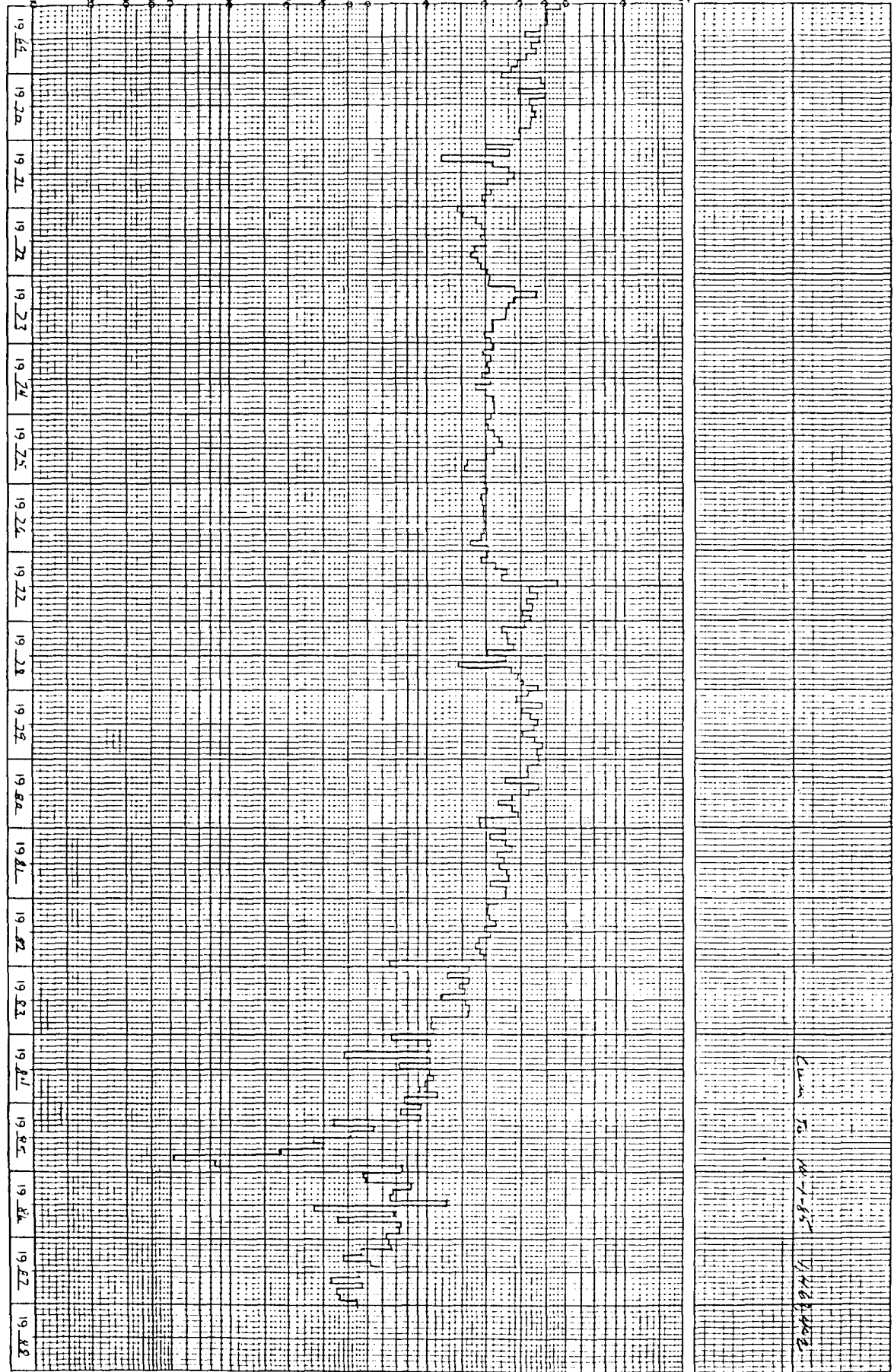
15771

PRODUCTION RATE - B/D X 10

ACCUMULATED PRODUCTION - M BBL'S

PER CENT CUT

DAYS ON



FIELD N. Anderson Rock  
ZONE Walcamp

LEASE N. And. Rock Unit  
WELL No. 3 wells

PERFS.

P.I. - B/D/P.S.I.G.

STATIC M.E.P. - P.S.I.G.



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS  
GOVERNOR

March 7, 1988

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

Unocal  
P. O. Box 671  
Midland, Texas 79702

Attention: Linda H. Hicks

Re: 1988 Plan of Development  
North Anderson Ranch Unit  
Sec. 33: SW/4, N/2 SW/4  
Sec. 32: E/2 NE/4, NE/4 SE/4  
T-15-S, R-32-E  
Lea County, New Mexico  
Union's N/Anderson Ranch Prospect (7366)

Gentlemen:

The above-referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,

ROY E. JOHNSON,  
Senior Petroleum Geologist

REJ/dr

cc: Commissioner of Public Lands - Santa Fe  
Bureau of Land Management - Albuquerque

# State of New Mexico



W.R. HUMPHRIES  
COMMISSIONER



## Commissioner of Public Lands

SLO REF NO OG-715

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

March 24, 1988

Unocal Oil & Gas Division  
Attn: Ms. Linda H. Hicks  
P. O. Box 671  
Midland, Texas 79702

Re: 1988 Plan of Development  
N. Anderson Ranch Unit  
Lea County, New Mexico

Gentlemen:

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

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

Enclosed is an approved copy for your files.

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

Very truly yours,

W. R. HUMPHRIES  
COMMISSIONER OF PUBLIC LANDS

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

WRH/FOP/pm  
encs.  
cc: OCD  
BLM

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION



GARREY CARRUTHERS  
GOVERNOR

March 4, 1987

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE NEW MEXICO 87501  
505/827-5800

#1871

Unocal  
P. O. Box 671  
Midland, Texas 79702

Attention: Linda H. Hicks

Re: 1987 Plan of Development  
North Anderson Ranch Unit  
Sec. 33: NW/4, N/2 SW/4  
Sec. 32: E/2 NE/4, NE/4 SE/4  
T-15-S, R-32-E  
Lea County, New Mexico  
Union's N/Anderson Ranch Prospect (7366)

Gentlemen:

The above-referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,

A handwritten signature in dark ink, appearing to read "Roy E. Johnson".

ROY E. JOHNSON,  
Senior Petroleum Geologist

REJ/dr

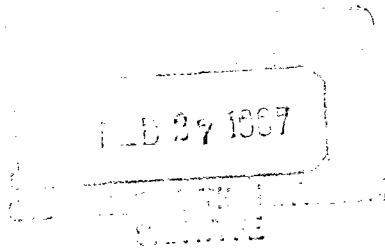
cc: Commissioner of Public Lands - Santa Fe  
Bureau of Land Management - Albuquerque

**Unocal Oil & Gas Division**  
Unocal Corporation  
500 North Marienfeld, P.O. Box 671  
Midland, Texas 79702  
Telephone (915) 682-9731



February 19, 1987

Midland District



Oil Conservation Division  
Energy and Minerals Division  
P.O. Box 2088  
Santa Fe, New Mexico 87501  
Attn: Mr. William J. LeMay, Director

1987 Plan of Development  
North Anderson Ranch Unit  
Sec. 33: NW/4, N/2SW/4  
Sec. 32: E/2NE/4, NE/4SE/4  
T-15-S, R-32-E  
Lea County, New Mexico  
Union's N/Anderson Ranch Prospect (7366)

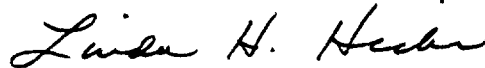
Gentlemen:

Please find enclosed two copies of Union's 1987 Plan of Development and Operations for the North Anderson Ranch Unit.

Should you have any questions, please let me know.

Sincerely yours,

UNION OIL COMPANY OF CALIFORNIA



Linda H. Hicks  
Landman

LHH/s  
Enclosures

1987 PLAN OF DEVELOPMENT AND OPERATIONS

For

North Anderson Ranch Unit  
Lea County, New Mexico

TO: OIL CONSERVATION DIVISION  
ENERGY AND MINERALS DIVISION  
P.O. BOX 2088  
SANTA FE, NEW MEXICO 87501  
ATTN: MR. WILLIAM J. LeMAY, DIRECTOR

Union Oil Company of California, as Unit Operator for the North Anderson Ranch Unit, respectfully submits for approval this 1987 Plan of Development and Operations for the North Anderson Ranch Unit area for the period ending December 31, 1987.

SUMMARY OF 1986 OPERATIONS:

No new wells were drilled in 1986. The #1 and #3 unit wells produced a total of 7784 barrels for 1986. H. L. Brown, Jr. plugged the #5 unit well on April 4, 1986. Union's Designation of Operation to H. L. Brown, Jr., for that one well, is therefore cancelled.

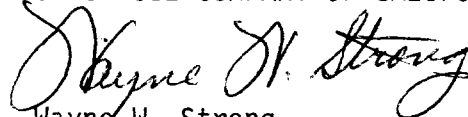
PLAN OF DEVELOPMENT AND OPERATIONS FOR 1987:

No new wells are planned to be drilled in 1987.

SUBMITTED this 25 day of February, 1987.

Sincerely,

UNION OIL COMPANY OF CALIFORNIA



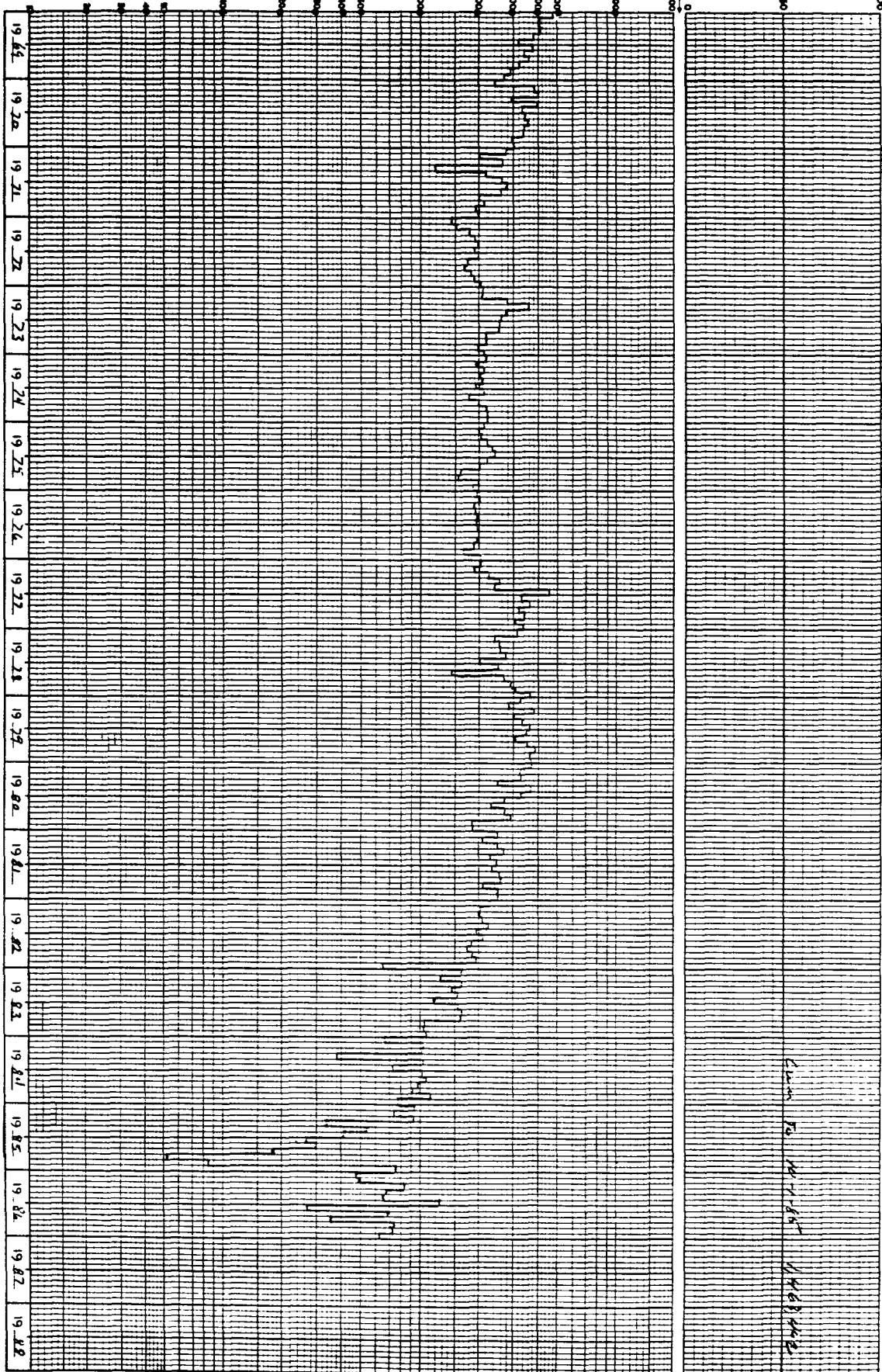
Wayne W. Strong  
District Land Manager

13711

PRODUCTION RATE - B/D x 10

ACCUMULATED PRODUCTION - M BBLs

PER CENT CUT



GAS-OIL RATIO - CU. FT./BBL.

P. I. - B/D / P. S. I. G.

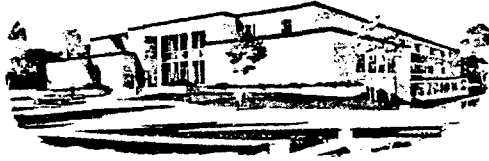
STATIC M. E. P. - P. S. I. G.

FIELD N. Anderson Area  
ZONE Wolfcamp

IFASE N. Anderson Area  
WELL NO. 50613



# State of New Mexico



SLO REF NO. OG-25

W.R. HUMPHRIES  
COMMISSIONER

## Commissioner of Public Lands

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

April 13, 1987

Unocal Corporation  
ATTENTION: Mrs. Linda H. Hicks  
P. O. Box 671  
Midland, Texas 79702

Re: North Anderson Ranch Unit  
1987 Plan of Development  
Lea County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved your 1987 Plan of Development for the North Anderson Ranch Unit Area, Lea County, New Mexico. Such plan calls for the drilling of no new wells.

Our approval is subject to like approval by the New Mexico Oil Conservation Division.

Enclosed is an approved copy for your files.

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

Very truly yours,

W. R. HUMPHRIES  
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*

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

WRH/FOP/pm  
encls.  
cc: OCD-Santa Fe, New Mexico  
Gulram, Inc.

Union Oil and Gas Division: Central Region

Union Oil Company of California  
500 North Marienfeld, Midland, Texas 79701  
P.O. Box 671, Midland, Texas 79702  
Telephone (915) 682-9731

**UNION** <sup>76</sup>

~~#7~~  
#1817

RECEIVED

FEB 1 1986

OIL CONSERVATION DIVISION

Wayne W. Strong  
District Land Manager  
Midland District

Commissioner of Public Lands  
State of New Mexico  
P.O. Box 1148  
Santa Fe, New Mexico 87501

ATTN: Mr. Floyd Prando, Director

Oil Conservation Division  
Energy and Minerals Division  
P.O. Box 2088  
Santa Fe, New Mexico 87501

ATTN: Mr. R. L. Stamets, Director

1986 Plan of Development  
North Anderson Ranch Unit  
Sec. 33: NW/4, N/2 SW/4  
Sec. 32: E/2NE/4, NE/4SE/4  
T-15-S, R-32-E; 360 Acres  
Lea County, New Mexico  
N/Anderson Ranch Prospect (7366)

There are currently two producing Wolfcamp wells in the Unit, the #1 and #3. Current monthly production is 807 BOPM and 620 BWPM with 0 MCFPM.

As perviously reported, the NE/4 SE/4 Sec. 32 was committed to a Working Interest Unit covering the S/2 Sec. 32-15S-32E, operated by H.L. Brown, Jr. The State 32-1 Well(SE/4SE/4) completed in March, 1984 presently produces from the Canyon Horizon. During 1985, H.L. Brown, Jr. drilled the Unit #5 (NE/4SE/4) which tested uneconomical from perforations in the Canyon. H.L. Brown, Jr. plans to plug and abandon the Unit #5 in the near future.

Union has no plans to drill any new wells for 1986. Union is currently evaluating Unit wells #1, #2 and #3 as recompletion or workover candidates.

Should you have any questions, please advise.

Yours truly,

UNION OIL COMPANY OF CALIFORNIA

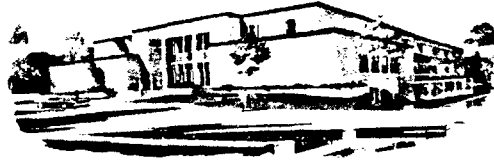
*Larry Murphy*  
Larry Murphy  
Landman

LM:bh

# State of New Mexico



JIM BACA  
COMMISSIONER



## Commissioner of Public Lands

February 24, 1986

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

Union Oil Company of California  
P. O. Box 671  
Midland, Texas 79702

Re: 1986 Plan of Development  
North Anderson Ranch Unit  
Lea County, New Mexico

ATTENTION: Mr. Larry Murphy

The Commissioner of Public Lands has this date approved your 1986 Plan of Development for the North Anderson Ranch Unit Area, Lea County, New Mexico. Such plan advises that Union has no plans to drill any new wells for 1986 and is currently evaluating Unit Wells Nos. 1, 2 and 3 as recompletion or workover candidates.

Our approval is subject to like approval by the New Mexico Oil Conservation Division.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA  
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*

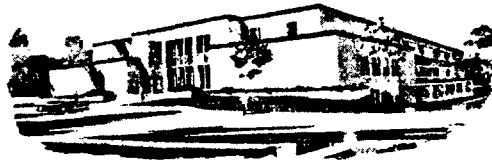
FLOYD O. PRANDO, Director  
Oil and Gas Division  
AC 505/827-5744

JB/FOP/pm  
encls.

cc: OCD-Santa Fe, New Mexico

State of New Mexico

#1871



JIM BACA  
COMMISSIONER

Commissioner of Public Lands

May 2, 1985

Union Oil Company of California  
P. O. Box 671  
Midland, Texas 79701

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

Re: 1985 Plan of Development  
North Anderson Ranch Unit  
Lea County, New Mexico

ATTENTION: Ms. Linda H. Hicks

Gentlemen:

The Commissioner of Public Lands has this date approved your 1985 Plan of Development for the North Anderson Ranch Unit, Lea County, New Mexico. Such plan advises that H. L. Brown has plans to drill a Canyon well located in the NE/4SE/4 of Section 32-15S-32, on the North Anderson Ranch Unit Tract, and Union is proposing to drill the North Anderson Ranch Unit Well No. 6 Well located in the NW/4SW/4 of Sec. 33 as a Canyon Well. Union also plans to evaluate Unit Wells Nos. 1, 2, and 3 for recompletion as Canyon producers or as workover candidates to perforate additional pay and stimulate the Wolfcamp.

Our approval is subject to like approval by the New Mexico Oil Conservation Division.

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

Very truly yours,

JIM BACA  
COMMISSIONER OF PUBLIC LANDS

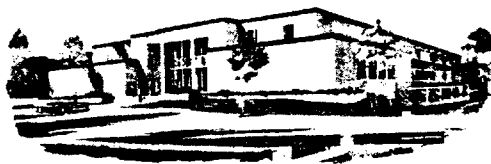
BY: *Ray D. Graham*  
RAY D. GRAHAM, Director  
Oil and Gas Division  
AC 505/827-5744

JB/RDG/pm  
encls.

cc: OCD-Santa Fe, New Mexico

State of New Mexico

# 1871



JIM BACA  
COMMISSIONER

Commissioner of Public Lands

February 13, 1985

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

H. L. Brown, Jr.,  
P. O. Box 2237  
Midland, Texas 79702

Attention: James H. Shaw

Re: N. Anderson Ranch Unit Well #5  
NE/4SE/4 Sec. 32-15S-32E  
Lea County, New Mexico

Dear Gentlemen,

The Commissioner of Public Lands has this date approved the Designation of H. L. Brown Jr, as Operator, insofar as said North Anderson Ranch Unit covers the North Anderson Ranch Unit Well No. 5. The effective date is January 8, 1985 as noted on your document entitled Designation of Operator.

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

Very truly yours,

JIM BACA  
COMMISSIONER OF PUBLIC LANDS

BY: *Ray D. Graham*

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

JB/RDG/amp  
encls.

cc: OCD-Santa Fe, New Mexico Attn: Mr. Michael Stogner  
UNION OIL CO, OF CA, Attn: Ms. Linda Hicks

Union Oil and Gas Division: Central Region

Union Oil Company of California  
500 North Marienfeld, Midland, Texas 79701  
P.O. Box 671, Midland, Texas 79702  
Telephone (915) 682-9731



Robert V. Lockhart

District Land Manager  
Midland District

January 31, 1985

Commissioner of Public Lands  
State of New Mexico  
P.O. Box 1148  
Santa Fe, New Mexico 97501  
Attn: Mr. Ray D. Graham,  
Director

Oil Conservation Division  
Energy and Minerals Division  
P.O. Box 2088  
Santa Fe, New Mexico 87501  
Attn: R. L. Stametz, Director

1985 Plan of Development  
North Anderson Ranch Unit  
Sec. 33: NW/4, N/2 SW/4  
Sec. 32: E/2NE/4, NE/4SE/4  
T-15-S, R-32-E; 360 acres  
Lea County, New Mexico  
N/Anderson Ranch Prospect (7366)

There are currently two producing Wolfcamp wells in this Unit, the #1 and #3 Unit wells. Current monthly production is 768 BOPM + 1901 BWPM + 0 MCFM.

As reported last year, the NE/4SE/4 Sec. 32 was committed to a Working Interest Unit covering the S/2 Sec. 32-15S-32E, operated by H.L. Brown, Jr. The State 32-1 well located in the SE/4SE/4 was completed in March, 1984 and presently produces from both the Canyon and Morrow. The North Anderson Ranch Unit tract (NE/4SE/4 Sec. 32) was included in the communitized area for the 320 acre Morrow Unit and receives its pro-rata share of the Morrow production. H.L. Brown now plans to drill a Canyon well located in the NE/4SE/4 Sec. 32, on the North Anderson Ranch Unit tract. Union will have to file a Designation of Operator to allow H.L. Brown to operate the North Anderson Ranch Unit Well #5 only. Union is proposing to drill the North Anderson Ranch Unit Well #6 well located in the NW/4SW/4 Sec. 33 as a Canyon well, subject to final management approval and approval of the working interest owners. In addition, we plan to evaluate Unit wells #1, #2 and #3 for recompletion as Canyon producers or as workover candidates to perforate additional pay and stimulate the Wolfcamp.

Should you have any questions, please advise.

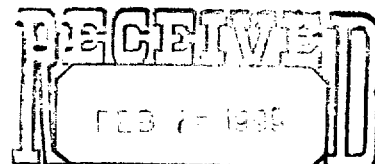
Sincerely yours,

UNION OIL COMPANY OF CALIFORNIA

A handwritten signature in cursive script that reads "Linda H. Hicks".

Linda H. Hicks  
Landman

LHH/S

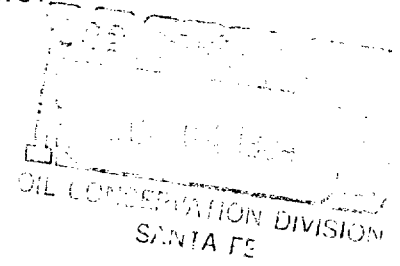


OIL CONSERVATION DIVISION  
SANTA FE

X 1871

Union Oil and Gas Division: Central Region

Union Oil Company of California  
500 North Marienfeld, Midland, Texas 79701  
P.O. Box 671, Midland, Texas 79702  
Telephone (915) 682-9731



May 30, 1984

Robert V. Lockhart  
District Land Manager  
Midland District

Commissioner of Public Lands  
of New Mexico  
P. O. Box 1148  
Santa Fe, New Mexico 97501

Oil Conservation Division  
Energy & Minerals Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attn: Mr. Ray D. Graham, Director

Attn: Mr. Joe Ramey, Director

1984 Plan of Development  
North Anderson Ranch Unit  
Sec. 33: NW/4, N/2SW/4  
Sec. 32: E/2NE/4, NE/4SE/4  
T-15-S, R-32-E; 360 acres  
Lea County, New Mexico  
N/Anderson Ranch Prospect (7366)

A total of four (4) wells were drilled in this Unit. By letter dated September 30, 1966, Union was informed by the Commissioner's Office that the Unit was considered fully developed. The 1-33, located SW/4NW/4 Sec. 33 and the 3-33, located NE/4SW/4 Sec. 33 are still producing from the Wolfcamp. The 2-33, located NE/4NW/4 Sec. 33 was plugged November 18, 1975. The 4-32, located NE/4SE/4 Sec. 32 was plugged November 24, 1969. The present monthly production from the Unit is 1,059 BOPM + 1,890 BWPM + 469 MCFM.

The NE/4SE/4 Sec. 32 was committed to a Working Interest Unit covering S/2 Sec. 32-15S-32E, operated by H. L. Brown, Jr. The State 32-1 well located SE/4SE/4 was completed in March, 1984 and presently produces from the Canyon. The North Anderson Ranch Unit tract will not receive any royalty share of that production. However, there are operations in progress to dually complete the well in the Morrow which would result in the North Anderson Ranch Unit receiving the royalty attributable to 12.5% of the production from the well.

H. L. Brown has also proposed the formation of a Working Interest Unit covering the N/2 Sec. 32-15S-32E for the drilling of a Morrow well located SE/4NE/4 Sec. 32.

May 17, 1984  
Comissioner of Public Lands  
of New Mexico  
Oil Conservation Division  
1984 Plan of Development  
N/Anderson Ranch Prospect (7366)  
Lea County, New Mexico  
Page 2

Eighty acres of the North Anderson Ranch Unit would be included in this Working Interest Unit. Should the plans for drilling this well become finalized, Union will amend this Plan of Development.

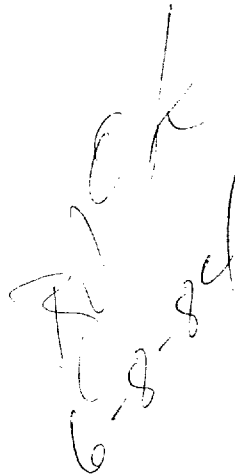
Sincerely yours,

UNION OIL COMPANY OF CALIFORNIA



Linda H. Hicks  
Landman

LHH:db

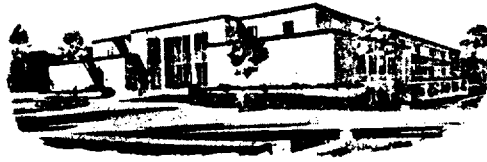




# State of New Mexico



JIM BACA  
COMMISSIONER



## Commissioner of Public Lands

June 13, 1984

#1871

Union Oil Company of California  
P. O. Box 671  
Midland, Texas 79702

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

Re: 1984 Plan of Development  
North Anderson Ranch Unit  
Lea County, New Mexico

ATTENTION: Ms. Linda H. Hicks

Gentlemen:

The Commissioner of Public Lands has this date approved your 1984 Plan of Development for the North Anderson Ranch Unit Agreement, Lea County, New Mexico. Such plan advises that the NE/4SE/4 of Section 32 was committed to a Working Interest Unit covering the S/2 of Section 32-15S-32E, operated by H. L. Brown, Jr. for its State 32-1 Well located in the SE/4SE/4 and when dually completed in the Morrow will result in the unit receiving 12.5% royalty of the production from this well.

Your plan also proposes to form a Working Interest Unit covering the N/2 of Section 32-15S-32E for the drilling of a Morrow well in the SE/4NE/4 of Section 32 of which 80.00 acres of the unit would be included. Our approval is subject to like approval by the New Mexico Oil Conservation Division.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA  
COMMISSIONER OF PUBLIC LANDS

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

JB/FOP/pm  
encls.

cc: OCD-Santa Fe, New Mexico

**Unocal North American  
Oil & Gas Division**

Unocal Corporation  
1004 North Big Spring Street, Suite 300  
P.O. Box 3100  
Midland, Texas 79702  
Telephone (915) 684-8231

OIL CONSERVATION DIVISION  
RECEIVED

**UNOCAL** 

'92 MAR 31 AM 9 54

#1871

Southwestern Region

March 23, 1992

Oil Conservation Division  
Energy & Minerals Division  
P. O. Box 2088  
Santa Fe, New Mexico 87504-2088

Attn: Mr. William J. LeMay, Director

1992 Plan of Development  
North Anderson Ranch Unit Area  
Lea County, New Mexico  
N/Anderson Ranch Prospect (7366)

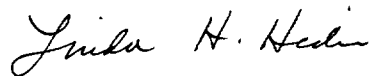
Gentlemen:

Please find enclosed for your approval two (2) copies of Union's 1992 Plan of Development for the North Anderson Ranch Unit.

Should you have any questions, please let me know.

Sincerely,

UNION OIL COMPANY OF CALIFORNIA  
dba UNOCAL



Linda H. Hicks  
Supervisor of Contracts

LHH/jb  
Enclosures

**1992 PLAN OF DEVELOPMENT  
NORTH ANDERSON RANCH UNIT AREA  
LEA COUNTY, NEW MEXICO**

TO: Oil Conservation Division  
Energy & Minerals Division  
P. O. Box 2088  
Santa Fe, New Mexico 88201-2088

Attn: Mr. William J. LeMay, Director  
Oil & Gas Division

Union Oil Company of California, as Unit Operator for the North Anderson Ranch Unit, respectfully submits for approval this 1992 Plan of Development for the North Anderson Ranch Unit Area for the period ending December 31, 1992.

SUMMARY OF 1991 OPERATIONS

No new wells were drilled in 1991. Recompleting well 1-33 resulted in a 40 BOPD increase. The Unit wells produced a total of 32,334 BO plus 44.879 MMCF for 1991.

Current production is 113 BOPD and 216 MCFPD for well 1-33 and 27 BOPD and 51 MCFPD for well 3-33.

PLAN OF DEVELOPMENT FOR 1992

No development drilling is planned for 1992. This plan may be modified.

Submitted this 23 day of March, 1992.

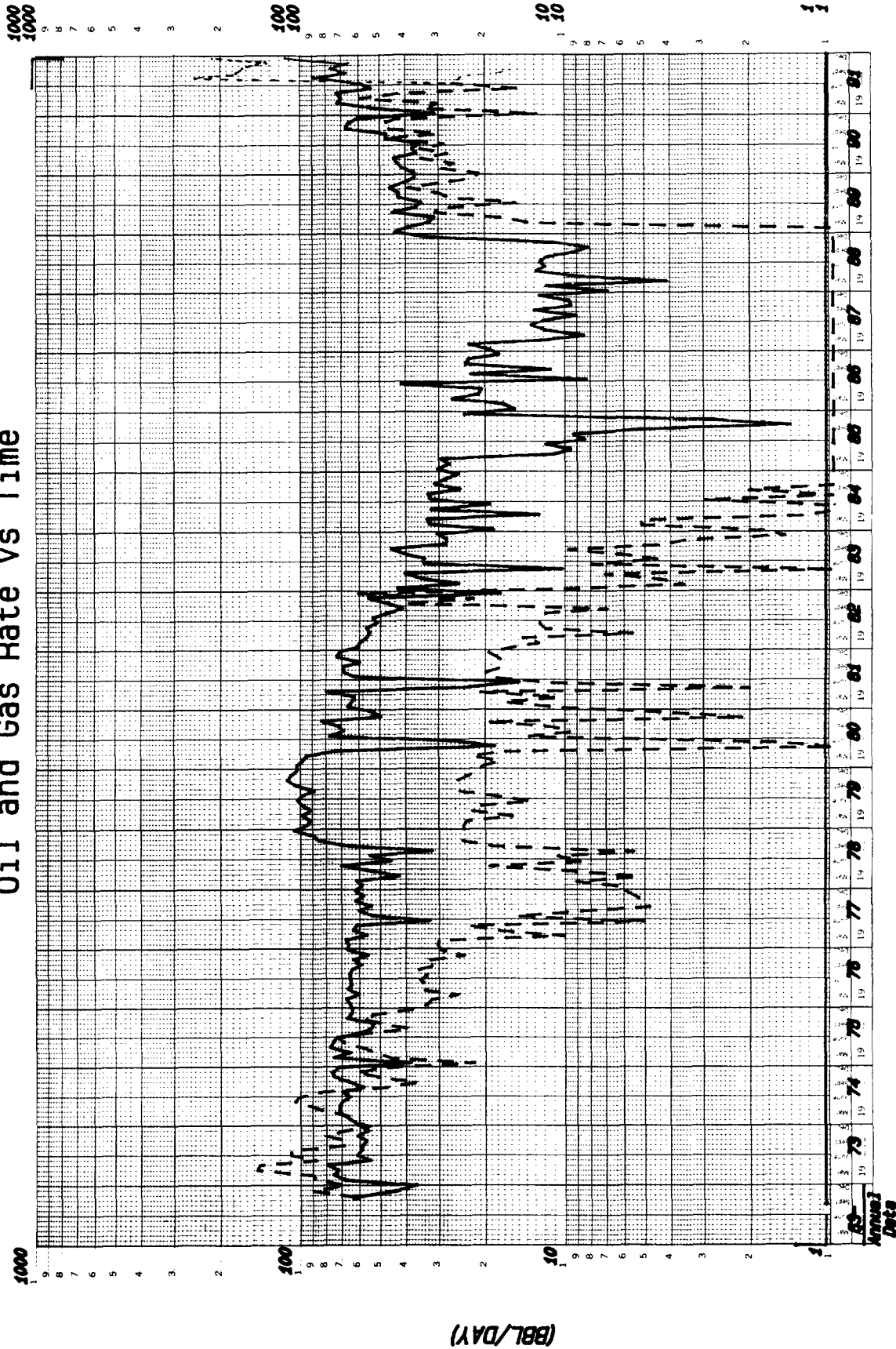
Sincerely,

UNION OIL COMPANY OF CALIFORNIA

*Linda H. Hicks*

Linda H. Hicks  
Supervisor of Contracts

# Oil and Gas Rate vs Time



UNOCAL		ANDREWS DISTRICT
Lease:	NORTH ANDERSON RANCH UNIT 33	
Field:	ANDERSON RANCH NORTH (NOLFCAMP)	
County:	LEA	NM
Operator:	UNION OIL CO OF CAL	
Retrieval Code:	150, 025, 15532E33E00NC	

LEGEND	
WELLS	—
OIL	—
GAS	- - -

# 1-33

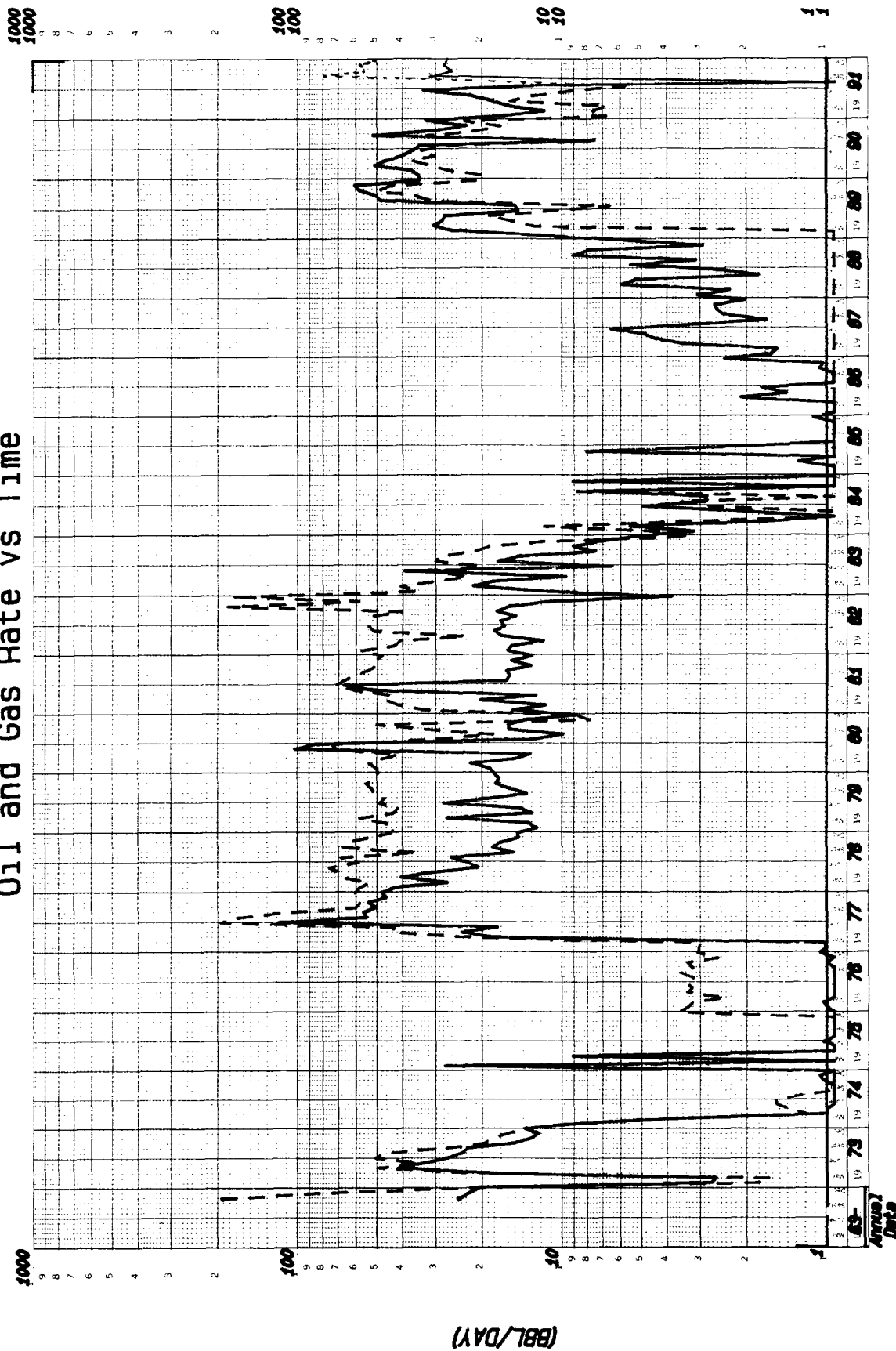
MC

Date: 02-14-92

Cumulative Bo : 802873

Cumulative Mcf: 1208742

# Oil and Gas Rate vs Time



## LEGEND

WELLS —  
OIL —  
GAS - -

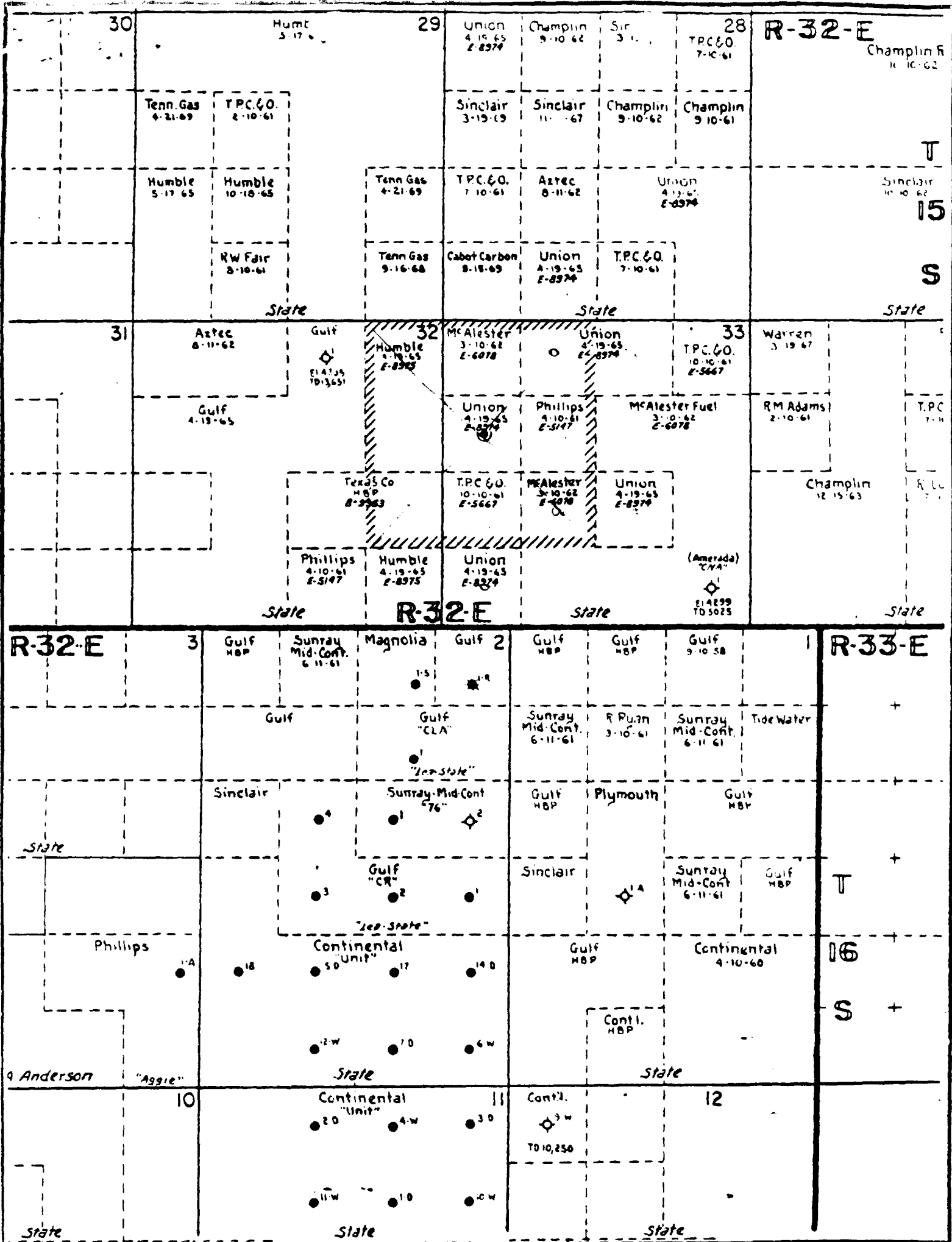
UNOCAL 76 ANDREWS DISTRICT

Lease: NORTH ANDERSON RANCH UNIT 33  
Field: ANDERSON RANCH NORTH (WOLF CAMP)  
County: LEA NW  
Operator: UNION OIL CO OF CAL  
Retrieval Code: 150, 025, 15S32E33K00NC

# 3-33 NC

Date: 02-14-92

Cumulative Bo : 418401  
Cumulative Mcf: 1083661



# EXHIBIT "A"

## NORTH ANDERSON RANCH DEVONIAN UNIT

LEA COUNTY, NEW MEXICO

DATE: \_\_\_\_\_ SCALE: 1" = 2000'

**C.N. CONSERVATION COMMISSION**

P. O. BOX 871

SANTA FE, NEW MEXICO

cc # 1871

April 27, 1961

**Union Oil Company of California  
Union Oil Building  
619 West Texas  
Midland, Texas**

**Attention: Mr. David C. George**

**Re: 1961 Plan of Development  
North Anderson Ranch Unit  
Lea County, New Mexico**

**Gentlemen:**

**This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1961 Plan of Development for the North Anderson Ranch Unit Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.**

**One approved copy of the plan is returned herewith.**

**Very truly yours,**

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

**ALP/JEK/ig**

**cc: US Geological Survey  
Roswell, New Mexico**

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

C  
O  
P  
Y

In reply refer to:  
Unit Division

60-10-4371

February 13, 1961

C  
O  
P  
Y  
  
Union Oil Company of California  
Union Oil Building  
619 West Tenth  
Midland, Texas

Re: North Anderson Ranch Unit  
Lea County, New Mexico

Attention: Mr. David C. George

Gentlemen:

The Commissioner of Public Lands has of this date approved your Plan of Development and operation for the North Anderson Ranch Unit Area, Lea County, New Mexico.

Your aforementioned Plan calling for the drilling of an additional well to the first reliable Pennsylvanian Marker Formation found at approximately 10,600 feet, and a possible test of the Devonian. This Plan is for the period of January 15, 1961 to January 15, 1962.

We are handing two approved copies to the Oil Conservation Commission for Mr. Porter's consideration.

Very truly yours,  
E. S. JOHNNY WALKER  
Commissioner of Public Lands

BY:  
Ted Bilberry, Supervisor  
Oil and Gas Division

ESW/mmr/s

cc: Oil Conservation Commission  
Santa Fe, New Mexico



**PLAN OF DEVELOPMENT AND OPERATION**  
**OF THE**  
**NORTH ANDERSON RANCH UNIT**  
**LEA COUNTY, NEW MEXICO**  
**JANUARY 15, 1961 TO JANUARY 15, 1962**

THIS PLAN OF FURTHER DEVELOPMENT OF THE NORTH ANDERSON RANCH  
UNIT, executed and submitted this 10th day of February, 1961,

**W I T N E S S E T H**

WHEREAS, Union Oil Company of California, Phillips Petroleum Company, Tennesco Inc., Humble Oil & Refining Company, McAlister Fuel Company, Estate of W. L. Goldston, W. J. Goldston and Texas Pacific Coal and Oil Company entered into a Unit Agreement dated March 14, 1960, approved by the Commissioner of Public Lands of the State of New Mexico on March 21, 1960, which provides for the development and operation of the North Anderson Ranch Unit Area, Lea County, New Mexico, and which Unit Agreement embraces the following described lands:

**NEW MEXICO PRINCIPAL MERIDIAN, NEW MEXICO**

**Township 15 South, Range 32 East**

Section 32: E/2 NE/4, NE/4 SE/4

Section 33: NW/4, N/2 SW/4

containing 360 acres, more or less, and

WHEREAS, two wells have been drilled on lands within said North Anderson Ranch Unit Area, both of which have been successfully completed as producers of unitized substances from the Wolfcamp formation, with one of said wells, the Union Oil Company of California No. 1-33, having tested the Devonian Formation and found same non-productive of unitized substances. Union Oil Company of California is currently moving in a rotary rig for the drilling of an additional well, being the Union Oil Company of California Well No. 3-33. The No. 3-33 Well is scheduled to drill to the first reliable Pennsylvanian Mariner Formation found at approximately 10,600 feet, at that point the Unit members will decide whether the Devonian Formation is structurally situated for Devonian production and if so situated the Unit members will again test the Devonian.

NOW, THEREFORE, Union Oil Company of California, Operator of the North Anderson Ranch Unit, submits to the Commissioner of Public Lands of the State of New Mexico and the Oil Conservation Commission of the State of New Mexico the following plan for further development and operation of the North Anderson Ranch Unit for the period from January 15, 1961 to January 15, 1962.

The development plan for such Unit contemplates the commencement of drilling during the period covered by this plan on the following wells on lands within said Unit:

- (1) Completion of Well No. 3-33 as a Welfcamp test to the approximate depth of 10,600 feet, and possibly as a Devonian test depending upon the structural position of the drillsite upon examination of data from reliable marker formations found at 10,600 feet.
- (2) Operator contemplates continuous development of the Unit unless additional drilling indicates the remaining locations to be non-productive or uneconomical.

EXECUTED the day and year first hereinabove written and respectfully submitted for approval.

UNION OIL COMPANY OF CALIFORNIA

By Edgar S. Kope  
Attorney-in-Fact R2J

UNIT OPERATOR - NORTH ANDERSON  
RANCH UNIT,  
LEA COUNTY,  
NEW MEXICO

APPROVED THIS 13<sup>th</sup> DAY OF  
February, 1961.

COMMISSIONER OF PUBLIC LANDS,  
STATE OF NEW MEXICO

By E. J. Walker

APPROVED THIS 28 DAY OF  
April, 1961.

OIL CONSERVATION COMMISSION OF  
THE STATE OF NEW MEXICO

By A. L. Peter, Jr.

Ex 1871

PLAN OF DEVELOPMENT AND OPERATION  
OF THE  
NORTH ANDERSON RANCH UNIT  
LEA COUNTY, NEW MEXICO  
JANUARY 15, 1961 TO JANUARY 15, 1962

THIS PLAN OF FURTHER DEVELOPMENT OF THE NORTH ANDERSON RANCH UNIT, executed and submitted this 10th day of February, 1961,

W I T N E S S E T H

WHEREAS, Union Oil Company of California, Phillips Petroleum Company, Texaco Inc., Humble Oil & Refining Company, McAlester Fuel Company, Estate of W. L. Goldston, W. J. Goldston and Texas Pacific Coal and Oil Company entered into a Unit Agreement dated March 14, 1960, approved by the Commissioner of Public Lands of the State of New Mexico on March 21, 1960, which provides for the development and operation of the North Anderson Ranch Unit Area, Lea County, New Mexico, and which Unit Agreement embraces the following described lands:

NEW MEXICO PRINCIPAL MERIDIAN, NEW MEXICO

Township 15 South, Range 32 East

Section 32: E/2 NE/4; NE/4 SE/4  
Section 33: NW/4; N/2 SW/4

containing 360 acres, more or less, and

WHEREAS, two wells have been drilled on lands within said North Anderson Ranch Unit Area, both of which have been successfully completed as producers of unitized substances from the Wolfcamp formation, with one of said wells, the Union Oil Company of California No. 1-33, having tested the Devonian Formation and found same non-productive of unitized substances. Union Oil Company of California is currently moving in a rotary rig for the drilling of an additional well, being the Union Oil Company of California Well No. 3-33. The No. 3-33 Well is scheduled to drill to the first reliable Pennsylvanian Marker Formation found at approximately 10,600 feet, at that point the Unit members will decide whether the Devonian Formation is structurally situated for Devonian production and if so situated the Unit members will again test the Devonian.

NOW, THEREFORE, Union Oil Company of California, Operator of the North Anderson Ranch Unit, submits to the Commissioner of Public Lands of the State of New Mexico and the Oil Conservation Commission of the State of New Mexico the following plan for further development and operation of the North Anderson Ranch Unit for the period from January 15, 1961 to January 15, 1962.

The development plan for such Unit contemplates the commencement of drilling during the period covered by this plan on the following wells on lands within said Unit:

- (1) Completion of Well No. 3-33 as a Welfcamp test to the approximate depth of 10,600 feet, and possibly as a Devonian test depending upon the structural position of the drillsite upon examination of data from reliable marker formations found at 10,600 feet.
- (2) Operator contemplates continuous development of the Unit unless additional drilling indicates the remaining locations to be non-productive or uneconomical.

EXECUTED the day and year first hereinabove written and respectfully submitted for approval.

UNION OIL COMPANY OF CALIFORNIA

By Edgar S. Keefe  
Attorney-in-Fact R28

UNIT OPERATOR - NORTH ANDERSON  
RANCH UNIT,  
LEA COUNTY,  
NEW MEXICO

APPROVED THIS 13th DAY OF  
February, 1961.

COMMISSIONER OF PUBLIC LANDS,  
STATE OF NEW MEXICO

By Esteban J. Guadalupe

APPROVED THIS \_\_\_\_\_ DAY OF  
\_\_\_\_\_, 1961.

OIL CONSERVATION COMMISSION OF  
THE STATE OF NEW MEXICO

By \_\_\_\_\_

COPY  
Union Oil Building - 619 West Texas

Midland, Texas

RECEIVED  
FEB 10 1961  
February 10, 1961

Case # 1871

Commissioner of Public Lands  
P. O. Box 791  
Santa Fe, New Mexico

Attention: Mrs. Marian M. Rhea,  
Supervisor Unit Division

Re: GP-126 - North Anderson Ranch Unit  
Lea County, New Mexico

Gentlemen:

Enclosed are original and three copies of Union's Plan  
of Development and Operation of the North Anderson Ranch Unit.

If same meets with your approval, please approve the  
Plan and forward it to the Oil Conservation Commission for their  
approval requesting that they return one signed copy to this of-  
fice.

Yours very truly,

UNION OIL COMPANY OF CALIFORNIA

  
David C. George  
Landman

DCG:ru  
Enclosures

cc: Oil Conservation Commission ✓  
State of New Mexico  
Santa Fe, New Mexico

# Union Oil Company of California

Union Oil Building - 619 West Texas

M I D L A N D

T E X A S

RECEIVED JAN 1 1961

Case # 1871

January 31, 1961

Oil Conservation Commission  
State of New Mexico  
Santa Fe, New Mexico

Re: North Anderson Ranch Unit  
T-15-S, R-32-E,  
Sec. 32: E/2 NE/4, NE/4 SE/4  
Sec. 33: NW/4, N/2 SW/4  
Lea County, New Mexico

Gentlemen:

On December 28, 1960, the members of the North Anderson Ranch Unit met to resolve the differences of opinion among the members of the Unit concerning the location for the next well. All parties agreed to drill the next well 1,980 feet from the South line and 1,980 feet from the West line of Section 33, T-15-S, R-32-E.

Union, as Operator, is presently moving a rotary rig in on the above location. We have also forwarded a Plan of Development and Operation of the North Anderson Ranch Unit, Lea County, New Mexico, for the period from January 15, 1961 to January 15, 1962, to the non-Operators in the Unit for their approval. Unless disagreement concerning our proposed Plan of Development arises with some of the other Unit members, we expect to forward you the Plan of Development by February 10th.

I am sending the above information to the Commissioner of Public Lands advising him of our progress. We trust that the above will meet with your approval.

Yours very truly,

UNION OIL COMPANY OF CALIFORNIA

*Robert F. Jennings, Jr.*

Robert F. Jennings, Jr.  
Landman

RFJ:ru

# UNION OIL COMPANY OF CALIFORNIA

UNION OIL BUILDING, 619 WEST TEXAS

MIDLAND, TEXAS

EDGAR S. KEEFE  
MANAGER OF LANDS, WEST TEXAS DIV.

November 7, 1960

Commissioner of Public Lands  
State of New Mexico  
State Capitol  
Santa Fe, New Mexico

*Case #1571*

and

Conservation Commission  
State of New Mexico  
State Capitol  
Santa Fe, New Mexico

Re: North Anderson Ranch Unit  
Lea County, New Mexico

Gentlemen:

Union, as Operator of the above unit, would like to advise of its intention to drill a well to the Wolfcamp formation at an approximate depth of 10,000 feet, 660 feet from the north line and 1980 feet from the west line of Section 33, T-15-S, R-32-E, Lea County, New Mexico, to be designated as the State No. 2-33.

The above well is to be commenced within the next few days. After the completion of the drilling of the above test well it is the plan of the Operator to hold a meeting with all other unit members to discuss the further development of the Unit. Any decisions from the meeting will then be furnished both the Commission and Commissioner.

Very truly yours,

UNION OIL COMPANY OF CALIFORNIA

*Edgar S. Keefe*  
Edgar S. Keefe

ESK/es

In reply refer to:  
Unit Division

March 21, 1960

Case #1871

C  
O  
P  
Y  
  
Union Oil Company of California  
Union Oil Building  
619 West Texas  
Midland, Texas

Re: North Anderson Ranch Unit  
Lea County, New Mexico

Gentlemen:

The Commissioner of Public Lands approved your North Anderson Ranch Unit, as of March 21, 1960 and we are handing to Mr. Robert F. Jennings, seven copies of our Certificate of Approval.

Please submit \$10.00 filing fee at your earliest convenience, also a copy of your operating agreement is required by this office.

Very truly yours,  
MURRAY E. MORGAN  
Commissioner of Public Lands

BY:  
Ted Bilberry, Supervisor  
Oil and Gas Division

MEM/MMR/s  
cc:

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



P. O. Box 6738

Roswell, New Mexico

January 25, 1960

Refer to: N. Anderson Ranch Unit  
Case No. 1871

Oil Conservation Commission  
State Capitol Building  
Santa Fe, New Mexico

Gentlemen:

From seismic and subsurface studies the Union Oil Company believes that a small Devonian structure exists north of the Anderson Ranch Devonian field in Lea County, New Mexico.

The enclosed map, contoured on the Devonian shows the Anderson Ranch structure and the North Anderson Ranch structure as interpreted from the control available to us at the present time. As shown on the map, the oil-water contact in the field is located at a sub-sea elevation of -9135 feet. The north dip established by well control indicates that offset locations to the northernmost wells in the field would encounter the Devonian below the water table, and strongly suggests that the north limit of the field has been defined.

Seismic work in this area does not give records of high quality from the deeper formations. Record sections give dips that appear reliable at depth but poor ties from shot point to shot point preclude the construction of an accurate map on the Devonian by use of the seismic method alone.

Correlation of the dip patterns with the subsurface control makes feasible the subsurface interpretation presented. Faulting at Devonian level is indicated on the east flank of the Anderson Ranch structure by regional control and by seismic information. Faulting is also indicated by seismic information at the north end of the Anderson Ranch field. Since the faulting cannot be proven by actual well penetration, sharp dip is used in the interpretation. The location of the probable faulting is shown on the map for your information.

Orogenically, the North Anderson Ranch structure appears to be a northern extension of the Anderson Ranch structure separated from it by a minor fault that is closely associated with the major fault on the east flank of the structure. The test drilled in Section 32, T-15-S, R-32-E did not encounter any show of oil in the Devonian giving some indication for the maximum area of oil accumulation,

EXHIBIT "C"

January 25, 1960

if any, in the structure. It is assumed that, if oil is present in the structure, the oil-water contact will approximate that found in the Anderson Ranch field and that the proposed unit area will cover all of the commercially productive area of the structure.

While the proposed test, 1980' from the north line and 660' from the west line of Section 33, T-15-S, R-32-E, is less than one (1) mile north of Devonian production, it is a wildcat test with all of the inherent risks of such a venture. Within the anticipated area of production of 360 acres, there are five (5) State lease owners. Eighty (80) acres represent the maximum held by individual companies. A 13,500-foot test will be required to test the Devonian on this prospect. Union and the other operators within the proposed unit area agree on the structural interpretation and feel that a unit operation is necessary in order that undue risk to one individual company may be avoided. The companies also feel that, in case of production, the unit will prevent waste and protect correlative rights.

Very truly yours,

UNION OIL COMPANY OF CALIFORNIA

  
David A. Dunn  
District Geologist

DAD/edl  
Encl.

January 25, 1960

Refer to: N. Anderson Ranch Unit  
Case No. 1871

Oil Conservation Commission  
State Capitol Building  
Santa Fe, New Mexico

Gentlemen:

From seismic and subsurface studies the Union Oil Company believes that a small Devonian structure exists north of the Anderson Ranch Devonian field in Lea County, New Mexico.

The enclosed map, contoured on the Devonian shows the Anderson Ranch structure and the North Anderson Ranch structure as interpreted from the control available to us at the present time. As shown on the map, the oil-water contact in the field is located at a sub-sea elevation of -9135 feet. The north dip established by well control indicates that offset locations to the northernmost wells in the field would encounter the Devonian below the water table, and strongly suggests that the north limit of the field has been defined.

Seismic work in this area does not give records of high quality from the deeper formations. Record sections give dips that appear reliable at depth but poor ties from shot point to shot point preclude the construction of an accurate map on the Devonian by use of the seismic method alone.

Correlation of the dip patterns with the subsurface control makes feasible the subsurface interpretation presented. Faulting at Devonian level is indicated on the east flank of the Anderson Ranch structure by regional control and by seismic information. Faulting is also indicated by seismic information at the north end of the Anderson Ranch field. Since the faulting cannot be proven by actual well penetration, sharp dip is used in the interpretation. The location of the probable faulting is shown on the map for your information.

Orogenically, the North Anderson Ranch structure appears to be a northern extension of the Anderson Ranch structure separated from it by a minor fault that is closely associated with the major fault on the east flank of the structure. The test drilled in Section 32, T-15-S, R-32-E did not encounter any show of oil in the Devonian giving some indication for the maximum area of oil accumulation,

EXHIBIT "C"


January 25, 1960

if any, in the structure. It is assumed that, if oil is present in the structure, the oil-water contact will approximate that found in the Anderson Ranch field and that the proposed unit area will cover all of the commercially productive area of the structure.

While the proposed test, 1980' from the north line and 660' from the west line of Section 33, T-15-S, R-32-E, is less than one (1) mile north of Devonian production, it is a wildcat test with all of the inherent risks of such a venture. Within the anticipated area of production of 360 acres, there are five (5) State lease owners. Eighty (80) acres represent the maximum held by individual companies. A 13,500-foot test will be required to test the Devonian on this prospect. Union and the other operators within the proposed unit area agree on the structural interpretation and feel that a unit operation is necessary in order that undue risk to one individual company may be avoided. The companies also feel that, in case of production, the unit will prevent waste and protect correlative rights.

Very truly yours,

UNION OIL COMPANY OF CALIFORNIA

  
David A. Dunn  
District Geologist

DAD/edl  
Encl.

# Union Oil Company of California

Union Oil Building, 619 West Texas

M I D L A N D



T E X A S

March 28, 1960

Oil Conservation Commission  
Mabry Hall  
State Capitol  
Santa Fe, New Mexico

Attention: Mr. Robert Payne

Re: OP-126 - Union/Texaco/Humble  
North Anderson Ranch  
Lea County, New Mexico  
State Case No. 1871  
Order No. R-1589

Gentlemen:

Enclosed is a fully executed counterpart of our Unit Agreement on the North Anderson Ranch Unit. Please advise if there is a filing fee that we should forward in connection with your filing this agreement, and we will remit forthwith.

Thanks for your cooperation.

Yours very truly,

UNION OIL COMPANY OF CALIFORNIA

*Robert F. Jennings*

Robert F. Jennings,  
Landman

RFJ/es  
encl.

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

February 8, 1960

Mr. Howard Bratton  
Hervey, Dow & Hinkle  
Box 547  
Roswell, New Mexico

Dear Mr. Bratton:

On behalf of your clients we enclose two copies each of  
the following orders:

Order R-1588 in Case No. 1887  
Order No. 1589 Case No. 1871  
Order R-1592 in Case No. 1873

These orders were issued by the Oil Conservation Commission  
this date.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ir/

Case 1811

LAW OFFICES  
HERVEY, DOW & HINKLE  
HINKLE BUILDING  
ROSWELL, NEW MEXICO

J. M. HERVEY 1874-1953  
HIRAM M. DOW  
CLARENCE E. HINKLE  
W. E. BONDURANT, JR.  
GEORGE H. HUNKER, JR.  
HOWARD C. BRATTON  
S. B. CHRISTY IV  
LEWIS C. COX, JR.

PAUL W. EATON, JR.  
ROBERT C. BLEDSOE

TELEPHONE MAIN 2-6510  
POST OFFICE BOX 547

December 31, 1959

*Case  
file*

New Mexico Oil Conservation Commission  
State Capital Building  
Santa Fe, New Mexico

Attention: Mr. Oliver Payne

Re: Proposed North Anderson Ranch Unit  
Agreement - OCC Examiner Hearing

Dear Oliver:

In connection with our application in the above matter, we submitted a proposed form of the North Anderson Ranch Unit Agreement. This form has been revised as to pages 8 and 9, and I enclose herewith the new pages 8 and 9. With our application for an Examiner Hearing we submitted one copy of the proposed form of unit agreement. I would appreciate it if you would substitute these pages and destroy the old pages 8 and 9.

With all good wishes for the coming year to you and to everyone in the office.

Very truly yours,

HERVEY, DOW & HINKLE

By \_\_\_\_\_

HCB:mg  
Enc.

*Sorted  
mailed  
1-18-60  
JH*

J. M. HERVEY 1874-1953

HIRAM M. DOW  
CLARENCE E. HINKLE  
W. E. BONDURANT, JR.  
GEORGE H. HUNKER, JR.  
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PAUL W. EATON, JR.  
ROBERT C. BLEDSOE

LAW OFFICES  
HERVEY, DOW & HINKLE  
HINKLE BUILDING  
ROSWELL, NEW MEXICO

TELEPHONE MAIN 2-6510  
POST OFFICE BOX 547

December 16, 1959

*Noted  
Jan 27*

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

Dear Mr. Porter:

Enclosed herewith please find application of Union Oil Company of California for a hearing on approval of the North Anderson Ranch Unit Area in Lea County, New Mexico.

Please schedule this matter for the first examiner hearing available in January.

Our application is in triplicate, but there is attached only to the original of the application a copy of the proposed unit agreement form. We will supply two (2) additional copies for attachment to the other copies of our application at the time of the hearing.

Your attention to this matter will be appreciated.

Very truly yours,

HERVEY, DOW & HINKLE

By *[Signature]*

HCB:ar  
Enclosures



Union Oil Company of California  
P. O. Box 6738 Roswell, New Mexico

January 25, 1960

BEFORE EXAMINER UTZ
CASE NO. 1871

Refer to: N. Anderson Ranch Unit  
Case No. 1871

Oil Conservation Commission  
State Capitol Building  
Santa Fe, New Mexico

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January 25, 1960

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