

6182

**2003 PLAN OF DEVELOPMENT
LAGUNA UNIT AREA
LEA COUNTY, NEW MEXICO**

TO: New Mexico Oil Conservation Division
Energy, Minerals & Natural Resources
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Lori Wrotenbery, Director

Pursuant to the provisions of Section 10 of the Laguna Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No. 14-08-0001-16905), Matador Operating Company, as Unit Operator for the Laguna Deep Unit Area, respectfully submits for approval this 2003 Plan of Development for the Laguna Deep Unit Area for the period ending December 31, 2003.

SUMMARY OF 2002 OPERATIONS

No wells were drilled or recompleted in 2002. Production for 2002 is summarized below:

WELL NAME	PRODUCING INTERVAL	GAS MCF	CONDENSATE BBL	OIL BBL
Laguna Deep #1	Bone Spring	5,106	0	3,819
Laguna Deep #2	Middle Morrow	77,490	0	1,003
Laguna Deep #4	Lower/Middle Morrow	40,641	0	306
Laguna Deep #5	Morrow	DNP	0	DNP

PLAN OF DEVELOPMENT FOR 2003

We plan to drill one to two development wells in 2003 to evaluate the Morrow formation.

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 1st day of April, 2003.

Sincerely,

MATADOR OPERATING COMPANY



R.F. Burke, Vice President

COMMISSIONER'S OFFICE

Phone (505) 827-5760

Fax (505) 827-5766

ADMINISTRATION

Phone (505) 827-5700

Fax (505) 827-5853

GENERAL COUNSEL

Phone (505) 827-5713

Fax (505) 827-4262

PUBLIC AFFAIRS

Phone (505) 827-1245

Fax (505) 827-5766



**New Mexico State Land Office
Commissioner of Public Lands
Ray Powell, M.S., D.V.M.**

COMMERCIAL RESOURCES

Phone (505) 827-5724

Fax (505) 827-6157

MINERAL RESOURCES

Phone (505) 827-5744

Fax (505) 827-4739

ROYALTY MANAGEMENT

Phone (505) 827-5772

Fax (505) 827-4739

SURFACE RESOURCES

Phone (505) 827-5793

Fax (505) 827-5711

June 3, 2002

Matador Petroleum Corporation
8340 Meadow Road
Suite 158, Pecan Creek
Dallas, Texas 75231-3751

Attn: Mr. Brent Robertson

2002 Plan of Development
Laguna Deep Unit
Lea County, New Mexico

Dear Mr. Robertson:

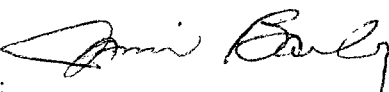
The Commissioner of Public Lands has, of this date, approved the above-captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

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
xc: Reader File

OCD

BLM

**2002 PLAN OF DEVELOPMENT
LAGUNA UNIT AREA
LEA COUNTY, NEW MEXICO**

TO: New Mexico Oil Conservation Division
Energy, Minerals & Natural Resources
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Lori Wrotenbery, Director

Pursuant to the provisions of Section 10 of the Laguna Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No. 14-08-0001-16905), Matador Operating Company, as Unit Operator for the Laguna Deep Unit Area, respectfully submits for approval this 2002 Plan of Development for the Laguna Deep Unit Area for the period ending December 31, 2002.

SUMMARY OF 2001 OPERATIONS

No wells were drilled or recompleted in 2001. Production for 2001 is summarized below:

WELL NAME	PRODUCING INTERVAL	GAS MCF	CONDENSATE BBL	OIL BBL
Laguna Deep #1	Bone Spring	5,111	0	4,054
Laguna Deep #2	Middle Morrow	88,002	0	227
Laguna Deep #3	Bone Spring	5,425	0	2,442
Laguna Deep #4	Lower/Middle Morrow	52,476	0	154
Laguna Deep #5	Morrow	86,440	0	24

PLAN OF DEVELOPMENT FOR 2002

We plan to drill one to two development wells to evaluate the Morrow formation.

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 1st day of April, 2002.

Sincerely,

MATADOR OPERATING COMPANY



R.F. Burke, Vice President

6182

**2001 PLAN OF DEVELOPMENT
LAGUNA UNIT AREA
LEA COUNTY, NEW MEXICO**

TO: New Mexico Oil Conservation Division
Energy, Minerals & Natural Resources
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Lori Wrotenbery, Director

Pursuant to the provisions of Section 10 of the Laguna Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No. 14-08-0001-16905), Matador Operating Company, as Unit Operator for the Laguna Deep Unit Area, respectfully submits for approval this 2001 Plan of Development for the Laguna Deep Unit Area for the period ending December 31, 2001.

SUMMARY OF 2000 OPERATIONS

On January 7, 2000, Matador completed the Laguna Deep #5 well, located in Section 35, T-19-S, R-33-E in the Morrow Formation as a gas producer. Sales commenced on January 28, 2000. The Laguna Deep #3 well was recompleted from the Middle Morrow to the Bone Spring Formation on March 29, 2000. Gas and oil sales commenced on May 3, 2000. Production for 2000 is summarized below:

WELL NAME	PRODUCING INTERVAL	GAS MCF	CONDENSATE BBL	OIL BBL
Laguna Deep #1	Bone Spring	839	0	3,802
Laguna Deep #2	Middle Morrow	83,332	0	57
Laguna Deep #3	Bone Spring	7,479	0	2,845
Laguna Deep #4	Lower/Middle Morrow	61,354	0	1,052
Laguna Deep #5	Morrow	177,070	0	2,423

PLAN OF DEVELOPMENT FOR 2001

No additional development activity planned for 2001.

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 1st day of April, 2001.

Sincerely,

MATADOR OPERATING COMPANY


R.F. Burke, Vice President

**2000 PLAN OF DEVELOPMENT
LAGUNA DEEP UNIT AREA
LEA COUNTY, NEW MEXICO**

TO: New Mexico Oil Conservation Division
Energy, Minerals & Natural Resources
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Lori Wrotenbery, Director

Pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No.14-08-0001-16905), Matador Operating Company, as Unit Operator for the Laguna Deep Unit Area, respectfully submits for approval this 2000 Plan of Development for the Laguna Deep Unit Area for the period ending December 31, 2000.

SUMMARY OF 1999 OPERATIONS

On November 2, 1999, Matador commenced drilling the Laguna Deep #5 well, located in Section 35-T19S-R33E. The rig was released on December 14, 1999 and we are currently completing the well in the Middle Morrow formation. Production for 1999 is summarized below:

WELL NAME	PRODUCING INTERVAL	GAS MCF	CONDENSATE BBL	OIL BBL
Laguna Deep #1	Bone Spring	5,567	0	3,282
Laguna Deep #2	Middle Morrow	79,796	468	0
Laguna Deep #3	Middle Morrow	8,635	8	0
Laguna Deep #4	Lower/Middle Morrow	87,769	1,556	0

PLAN OF DEVELOPMENT FOR 2000

We are evaluating recompleting the Laguna Deep #3 well from the Middle Morrow to the Bone Spring formation. No development drilling is planned for 2000.

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 1st day of April, 2000.

Sincerely,

MATADOR OPERATING COMPANY


R. F. Burke, Vice President

MA

**2000 PLAN OF DEVELOPMENT
LAGUNA DEEP UNIT AREA
LEA COUNTY, NEW MEXICO**

TO: New Mexico Oil Conservation Division
Energy, Minerals & Natural Resources
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Lori Wrotenbery, Director

Pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No.14-08-0001-16905), Matador Operating Company, as Unit Operator for the Laguna Deep Unit Area, respectfully submits for approval this 2000 Plan of Development for the Laguna Deep Unit Area for the period ending December 31, 2000.

SUMMARY OF 1999 OPERATIONS

On November 2, 1999, Matador commenced drilling the Laguna Deep #5 well, located in Section 35-T19S-R33E. The rig was released on December 14, 1999 and we are currently completing the well in the Middle Morrow formation. Production for 1999 is summarized below:

WELL NAME	PRODUCING INTERVAL	GAS MCF	CONDENSATE BBL	OIL BBL
Laguna Deep #1	Bone Spring	5,567	0	3,282
Laguna Deep #2	Middle Morrow	79,796	468	0
Laguna Deep #3	Middle Morrow	8,635	8	0
Laguna Deep #4	Lower/Middle Morrow	87,769	1,556	0

PLAN OF DEVELOPMENT FOR 2000

We are evaluating recompleting the Laguna Deep #3 well from the Middle Morrow to the Bone Spring formation. No development drilling is planned for 2000.

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 1st day of April, 2000.

Sincerely,

MATADOR OPERATING COMPANY



R. F. Burke, Vice President

MVA

**1999 PLAN OF DEVELOPMENT
LAGUNA DEEP UNIT AREA
LEA COUNTY, NEW MEXICO**

TO: New Mexico Oil Conservation Division
Energy & Minerals Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Lori Wrotenbery, Director

Pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No.14-08-0001-16905), Matador Operating Company, as Unit Operator for the Laguna Deep Unit Area, respectfully submits for approval this 1999 Plan of Development for the Laguna Deep Unit Area for the period ending December 31, 1999.

SUMMARY OF 1998 OPERATIONS

Matador recompleted the Laguna Deep #1 well from the Middle Morrow to the Bone Spring formation. In the Laguna Deep #4 well, we added perforations to the Lower and Middle Morrow Sands. No wells were drilled in 1998. Production for 1998 is summarized below:

WELL NAME	PRODUCING INTERVAL	GAS MCF	CONDENSATE BBL	OIL BBL
Laguna Deep #1	Bone Spring	2496	0	1059
Laguna Deep #2	Middle Morrow	68937	576	0
Laguna Deep #3	Middle Morrow	45048	207	0
Laguna Deep #4	Lower/Middle Morrow	89514	2848	0

PLAN OF DEVELOPMENT FOR 1999

Laguna Deep #2: We are considering recompleting the Laguna Deep #2 well to other Middle Morrow Sands. Laguna Deep #3: We have reperforated existing zones and added new perforations within the Middle Morrow interval for the Laguna Deep #3 well. According to our log analysis and offset comparison, we believe the Laguna Deep #3 well has recompletion potential in the Bone Spring formation. In the event the well becomes uneconomic in the Morrow formation, we anticipate attempting a recompletion to the Bone Spring formation. No development drilling is planned for 1999.

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 1st day of April, 1999.

Sincerely,

MATADOR OPERATING COMPANY


R. F. Burke, Vice President

WA

**1999 PLAN OF DEVELOPMENT
LAGUNA DEEP UNIT AREA
LEA COUNTY, NEW MEXICO**

TO: New Mexico Oil Conservation Division
Energy & Minerals Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Lori Wrotenbery, Director

Pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No.14-08-0001-16905), Matador Operating Company, as Unit Operator for the Laguna Deep Unit Area, respectfully submits for approval this 1999 Plan of Development for the Laguna Deep Unit Area for the period ending December 31, 1999.

SUMMARY OF 1998 OPERATIONS

Matador recompleted the Laguna Deep #1 well from the Middle Morrow to the Bone Spring formation. In the Laguna Deep #4 well, we added perforations to the Lower and Middle Morrow Sands. No wells were drilled in 1998. Production for 1998 is summarized below:

WELL NAME	PRODUCING INTERVAL	GAS MCF	CONDENSATE BBL	OIL BBL
Laguna Deep #1	Bone Spring	2496	0	1059
Laguna Deep #2	Middle Morrow	68937	576	0
Laguna Deep #3	Middle Morrow	45048	207	0
Laguna Deep #4	Lower/Middle Morrow	89514	2848	0

PLAN OF DEVELOPMENT FOR 1999

Laguna Deep #2: We are considering recompleting the Laguna Deep #2 well to other Middle Morrow Sands. Laguna Deep #3: We have reperforated existing zones and added new perforations within the Middle Morrow interval for the Laguna Deep #3 well. According to our log analysis and offset comparison, we believe the Laguna Deep #3 well has recompletion potential in the Bone Spring formation. In the event the well becomes uneconomic in the Morrow formation, we anticipate attempting a recompletion to the Bone Spring formation. No development drilling is planned for 1999.

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 1st day of April, 1999.

Sincerely,

MATADOR OPERATING COMPANY


R. F. Burke, Vice President

MA



#6182

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

January 13, 1999

Matador Petroleum Corporation
Suite 158, Pecan Creek
8340 Meadow Road
Dallas, Texas 75231-3751

Attention: Ms. Mona D. Ables

Re: 1998 Plan of Development
Laguna Deep Unit Area
Lea County, New Mexico

Dear Ms. Ables:

Your 1998 Plan of Development for the above-captioned unit has been received and reviewed by this office. The Commissioner of Public Lands has this date approved your 1998 plan of development for the Laguna Deep Unit Area. Our approval is subject to like approval by all other appropriate agencies.

A review of Article 3. Unitized Land and Unitized Substances, of the Laguna Deep Unit, refers to the "unitized land" or "land subject to this agreement" as: All oil and gas in and produced from the hereinabove specified lands committed to this agreement as to all formations at all depths lying beneath the top of the Seven Rivers formation.

Please be advised that we will not approve your next (1999) plan of development for this unit, unless the following concerns are addressed:

- We have reviewed several offsets and are aware of the potential that lies in the Bone Spring interval surrounding the unit area. You are requested to address the further development of the Bone Spring zone for this unit in your 1999 plan of development.

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/pm

xc: Reader File CD-Attention: ~~Mr. David Catamach~~, Ben Stone
BLM-Roswell Attention: Mr. Armando Lopez

"WE WORK FOR EDUCATION"



COMMERCIAL RESOURCES
(505)-827-5724

SURFACE RESOURCES
(505)-827-5795

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

June 8, 1998

Matador Petroleum Corporation
8340 Meadow Road
Suite 158, Pecan Creek
Dallas, Texas 75231-3751

Attn: Ms. Mona D. Ables

Re: Resignation/Designation of Successor Unit Operator
Laguna Deep Unit
Lea County, New Mexico

Dear Ms. Ables:

We are in receipt of your resignation/designation of successor unit operator, wherein Union Oil Company of California has resigned as unit operator of the Laguna Deep Unit and designated Matador Petroleum Corporation as the successor unit operator.

The Commissioner of Public Lands has this date approved the resignation of Union Oil Company of California and the designation of Matador Petroleum Corporation as the successor unit operator of this unit.

This change in operators is effective January 21, 1998. In accordance with this approval, Matador Petroleum Corporation is now responsible for all operations and the reporting of all production from the unit. This approval is subject to like approval by the Bureau of Land Management.

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: *For Anthony H. Neal*
JAMI BAILEY, Director
Oil, Gas and Minerals Division
(505) 827-5744

RP/JB/cpm
pc: Reader File

OCD-Roy Johnson

TRD

BLM

UNOCAL

"WE WORK FOR EDUCATION"



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

6182
OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

April 28, 1998

Mona D. Ables
Matador Petroleum Corporation
Suite 158, Pecan Creek
8340 Meadow Road
Dallas, TX 75231-3751

RE: 1998 Plan of Development
Laguna Deep Unit Area
Lea County, New Mexico
Laguna Prospect

Gentlemen:

The New Mexico Oil Conservation Division is in receipt of your above referenced application which has been approved on this date. Our approval is subject to like approval by the New Mexico State Land Office and the Bureau of Land Management where applicable.

Should you have any questions pertaining to this matter, please contact me at (505) 827-8198.

Sincerely,

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

Roy E. Johnson
Senior Petroleum Geologist

REJ:kv

cc: NMSLO
Bureau of Land Management - Roswell
Unit File

MATADOR PETROLEUM CORPORATION

SUITE 158, PECAN CREEK
8340 MEADOW ROAD
DALLAS, TEXAS 75231-3751
(214) 987-3650
FAX: (214) 691-1415

APR 15 1998

April 13, 1998

1998 Plan of Development
Laguna Deep Unit Area
Lea County, New Mexico
Laguna Prospect

Oil Conservation Division
Energy & Minerals Division
2040 South Pacheco
Santa Fe, NM 87505
Attention: Lori Wrotenbury

Gentlemen:

Enclosed for your approval, please find two (2) copies of Matador Operating Company's 1998 Plan of Development for the Laguna Deep Unit Area.

If you need any additional information, please feel free to call.

Sincerely,

Mona D. Ables

Mona D. Ables
(214) 987-7129

**1998 PLAN OF DEVELOPMENT
LAGUNA DEEP UNIT AREA
LEA COUNTY, NEW MEXICO**

TO: Oil Conservation Division
Energy & Minerals Division
2040 South Pacheco
Santa Fe, New Mexico 87505
Attention: Mrs. Lori Wrotenbury, Director

Pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No.14-08-0001-16905), Matador Operating Company, as Unit Operator for the Laguna Deep Unit Area, respectfully submits for approval this 1998 Plan of Development for the Laguna Deep Unit Area for the period ending December 31, 1998.

SUMMARY OF 1997 OPERATIONS

No wells were drilled or recompleted in 1997. Production for 1997 is summarized below:

WELL NAME	PRODUCING INTERVAL	GAS MMCF	CONDENSATE BBL
Laguna Deep #1	Middle Morrow	.362	0
Laguna Deep #2	Middle Morrow	67.309	1016
Laguna Deep #3	Middle Morrow	114.963	423
Laguna Deep #4	Lower/Middle Morrow	69.276	879

PLAN OF DEVELOPMENT FOR 1998

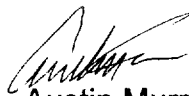
Pending results of evaluation of the uphole potential, we may propose a recompletion attempt for the Laguna Deep #1 well. Additionally, we are evaluating the potential to drill one (1) well to the base of the Morrow formation.

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 9th day of April, 1998.

Sincerely,

MATADOR OPERATING COMPANY


Austin Murr
Land Manager

**1998 PLAN OF DEVELOPMENT
LAGUNA DEEP UNIT AREA
LEA COUNTY, NEW MEXICO**

TO: Oil Conservation Division
Energy & Minerals Division
2040 South Pacheco
Santa Fe, New Mexico 87505
Attention: Mrs. Lori Wrotenbury, Director

Pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No.14-08-0001-16905), Matador Operating Company, as Unit Operator for the Laguna Deep Unit Area, respectfully submits for approval this 1998 Plan of Development for the Laguna Deep Unit Area for the period ending December 31, 1998.

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Laguna Deep #3	Middle Morrow	114.963	423
Laguna Deep #4	Lower/Middle Morrow	69.276	879

PLAN OF DEVELOPMENT FOR 1998

Pending results of evaluation of the uphole potential, we may propose a recompletion attempt for the Laguna Deep #1 well. Additionally, we are evaluating the potential to drill one (1) well to the base of the Morrow formation.

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 9th day of April, 1998.

Sincerely,

MATADOR OPERATING COMPANY


Austin Murr
Land Manager



6182

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)-827-5763

ADMINISTRATIVE MGMT.
(505)-827-5700

LEGAL
(505)-827-5713

PLANNING
(505)-827-5752

April 8, 1997

Spirit Energy 76
P.O. Box 3100
Midland, Texas 79702

Attn: Ms. Linda H. Hicks

Re: 1997 Plan of Development
Laguna Deep Unit
Lea County, New Mexico

Dear Ms. Hicks:

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.

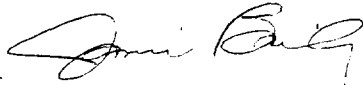
The possibility of drainage by wells outside of the unit area and the need for further development of the unit may exist. You may be contacted at a later date regarding these possibilities.

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

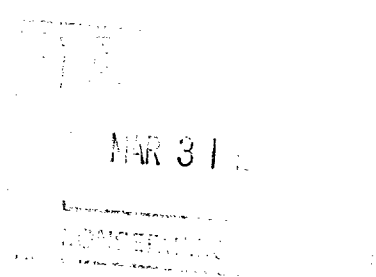
RP/JB/cpm
cc: Reader File

OCD

BLM



New Name. Same Spirit.
A Business Unit of Unocal



March 28, 1997

Oil Conservation Division
Energy & Minerals Division
2040 South Pacheco
Santa Fe, New Mexico 87505
Attn: Mr. William J. LeMay, Director

1997 Plan of Development
Laguna Deep Unit Area
Lea County, New Mexico
Laguna Prospect (7729)

Gentlemen:

Please find enclosed for your approval two (2) copies of Union's 1997 Plan of Development for the Laguna Deep Unit.

Should you have any questions, please let me know.

Sincerely yours,

UNION OIL COMPANY OF CALIFORNIA
dba Spirit Energy 76

A handwritten signature in cursive script, reading "Linda H. Hicks".

Linda H. Hicks
Land Advisor/Contracts

LHH/s
Enclosures

1997 PLAN OF DEVELOPMENT
LAGUNA DEEP UNIT AREA
LEA COUNTY, NEW MEXICO

TO: Oil Conservation Division
Energy & Minerals Division
2040 South Pacheco
Santa Fe, New Mexico 87505
Attn: Mr. William J. LeMay, Director

Union Oil Company of California as Unit Operator for the Laguna Deep Unit Area, pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No. 14-08-0001-16905), respectfully submits for approval this 1997 Plan of Development for the Laguna Deep Unit Area for the period ending December 31, 1997.

SUMMARY OF 1996 OPERATIONS

Added additional perforations in Middle Morrow and stimulated the Laguna Deep Unit #1 well. Also acidized and ran a velocity string in the well. Production for 1996 is summarized below:

<u>WELL NO.</u>	<u>1996 PRODUCTION COMPLETED INTERVAL</u>	<u>MMCF + BC</u>
Laguna Deep #1	Middle Morrow	.257 + 0
Laguna Deep #2	Middle Morrow	63.831 + 1441
Laguna Deep #3	Middle Morrow	122.827 + 618
Laguna Deep #4	Lower/Middle Morrow	73.950 + 1704


PLAN OF DEVELOPMENT FOR 1997

It is planned to evaluate and test the Laguna Deep #1 well for uphole 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 28th day of March, 1997.

Sincerely,
UNION OIL COMPANY OF CALIFORNIA



Linda H. Hicks
Land Advisor/Contracts

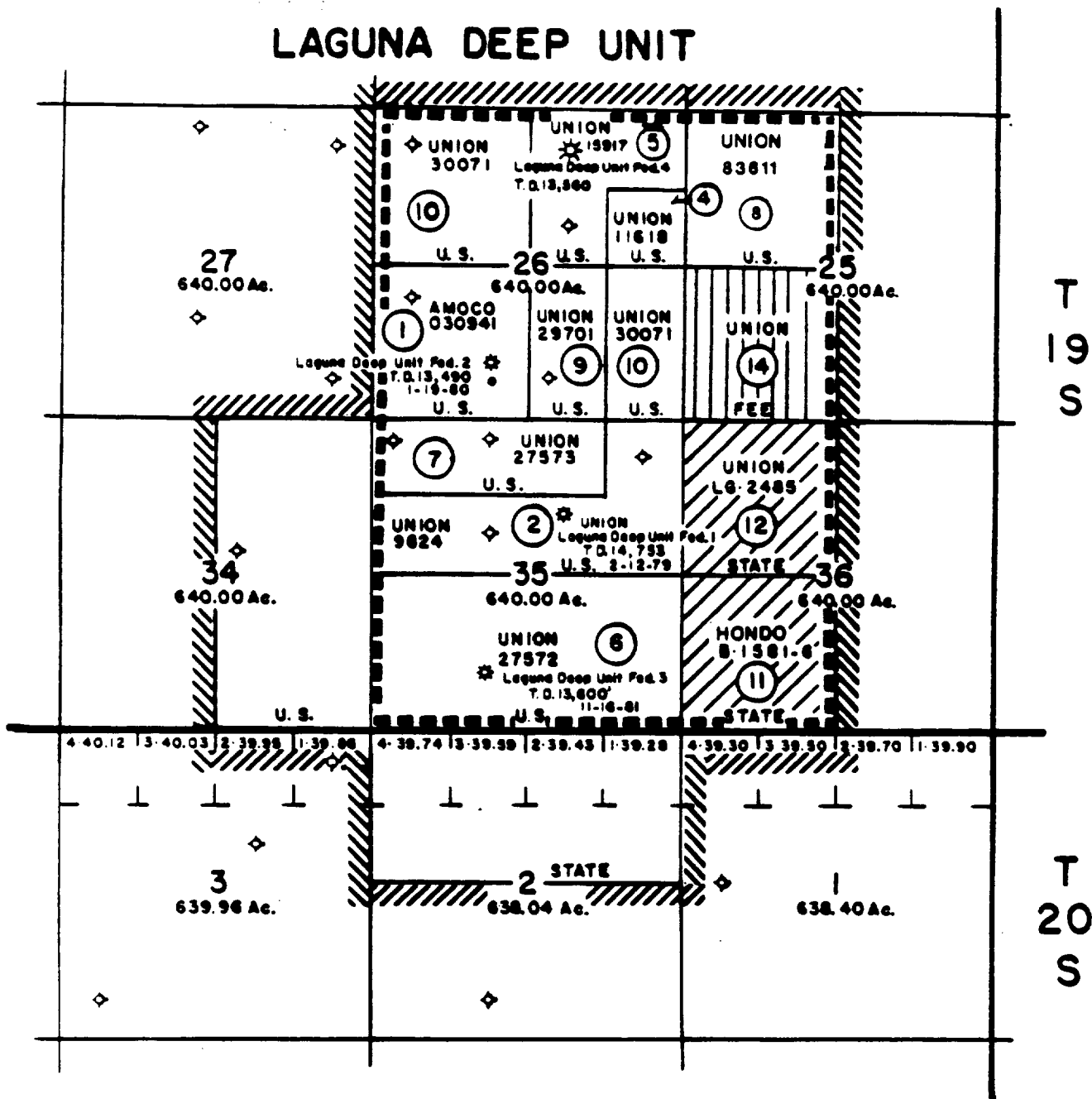
LHH/s

LAGUNA DEEP UNIT
2 YEAR PRODUCTION HISTORY
UNION OIL COMPANY OF CALIFORNIA

WELL: PROD FORM: STATUS:	LAGUNA DEEP FEDERAL #1 Middle Morrow Producing Gas Well				LAGUNA DEEP FEDERAL #2 Middle Morrow Producing Gas Well				LAGUNA DEEP FEDERAL #3 Middle Morrow Producing Gas Well				LAGUNA DEEP FEDERAL #4 Lower and Middle Morrow Producing Gas Well			
	OIL VOL		GAS VOL		WAT VOL		OIL VOL		GAS VOL		WAT VOL		OIL VOL		GAS VOL	
	PROD bbls	-----	PROD Mscf	-----	PROD bbls	-----	PROD bbls	-----	PROD Mscf	-----	PROD bbls	-----	PROD bbls	-----	PROD Mscf	-----
DATE																
Jan-95	4		2431		0		108		3157		586		99		11488	
Feb-95	3		1534		0		71		3100		530		68		9599	
Mar-95	0		5		0		91		2470		690		82		9810	
Apr-95	14		3786		10		73		2463		452		270		10015	
May-95	2		1880		0		69		3663		609		70		9444	
Jun-95	0		0		0		102		4519		782		72		8884	
Jul-95	0		254		0		102		5162		943		0		9488	
Aug-95	1		560		0		74		4425		826		90		9414	
Sep-95	1		332		0		83		5180		859		29		8630	
Oct-95	4		38		0		61		5605		883		27		8872	
Nov-95	0		128		0		38		5490		821		42		8937	
Dec-95	0		94		0		36		5616		840		152		9082	
ANNUAL	29		11042		10		908		50850		8821		1001		113663	
Jan-96	0		50		0		205		5861		924		131		10823	
Feb-96	0		28		0		97		4828		81		106		9729	
Mar-96	0		34		0		139		5037		683		99		10300	
Apr-96	0		69		2		129		5031		542		33		9999	
May-96	0		22		0		143		5183		1089		24		10264	
Jun-96	0		0		0		93		5234		979		15		9487	
Jul-96	0		0		0		97		5312		1000		58		10787	
Aug-96	0		0		0		146		4993		965		41		10919	
Sep-96	0		51		0		58		5541		737		3		10737	
Oct-96	0		0		0		77		5718		615		42		10547	
Nov-96	0		0		0		144		5726		920		35		9097	
Dec-96	0		3		0		113		5367		936		31		10138	
ANNUAL	0		257		2		1441		63831		9471		618		122827	
Jan-97	0		0		0		0		0		0		0		0	
Feb-97	0		0		0		0		0		0		0		0	
Mar-97	0		0		0		0		0		0		0		0	
Apr-97	0		0		0		0		0		0		0		0	
May-97	0		0		0		0		0		0		0		0	
Jun-97	0		0		0		0		0		0		0		0	
Jul-97	0		0		0		0		0		0		0		0	
Aug-97	0		0		0		0		0		0		0		0	
Sep-97	0		0		0		0		0		0		0		0	
Oct-97	0		0		0		0		0		0		0		0	
Nov-97	0		0		0		0		0		0		0		0	
Dec-97	0		0		0		0		0		0		0		0	
ANNUAL	0		0		0		0		0		0		0		0	

R 33 E

LAGUNA DEEP UNIT



ORIGINAL UNIT BOUNDARY



REVISED UNIT BOUNDARY & PARTICIPATING AREA



FEDERAL 1440.00 Ac. 75.00000 %



STATE 320.00 Ac. 16.66667 %



FEE 160.00 Ac. 8.33333 %

1920.00 Ac. 100.00000 %

EXHIBIT "A"-(REVISED)

LAGUNA DEEP UNIT

(AS CONTRACTED EFFECTIVE FEBRUARY 9, 1984)

LEA COUNTY, NEW MEXICO



① TRACT NUMBER-EXHIBIT "B"

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

6182



March 28, 1996

Central U.S. Business Unit

*D-unit letter
Tux 174*

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
Laguna Deep Unit Area
Lea County, New Mexico
Laguna Prospect (7729)

Gentlemen:

Please find enclosed for your approval two (2) copies of Union's 1996 Plan of Development for the Laguna Deep 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
LAGUNA DEEP 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 Laguna Deep Unit Area, pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No. 14-08-0001-16905), respectfully submits for approval this 1996 Plan of Development for the Laguna Deep Unit Area for the period ending December 31, 1996.

SUMMARY OF 1995 OPERATIONS

No new wells or recompletions in 1995. Production for 1995 is summarized below:


<u>WELL NO.</u>	<u>1995 PRODUCTION COMPLETED INTERVAL</u>	<u>MMCF + BC</u>
Laguna Deep #1	Middle Morrow	11.042 + 29
Laguna Deep #2	Middle Morrow	50.850 + 908
Laguna Deep #3	Middle Morrow	113.663 + 1,001
Laguna Deep #4	Lower/Middle Morrow	87.443 + 1,904

PLAN OF DEVELOPMENT FOR 1996

A stimulation of the Laguna Deep Unit #1 is planned for 1996.

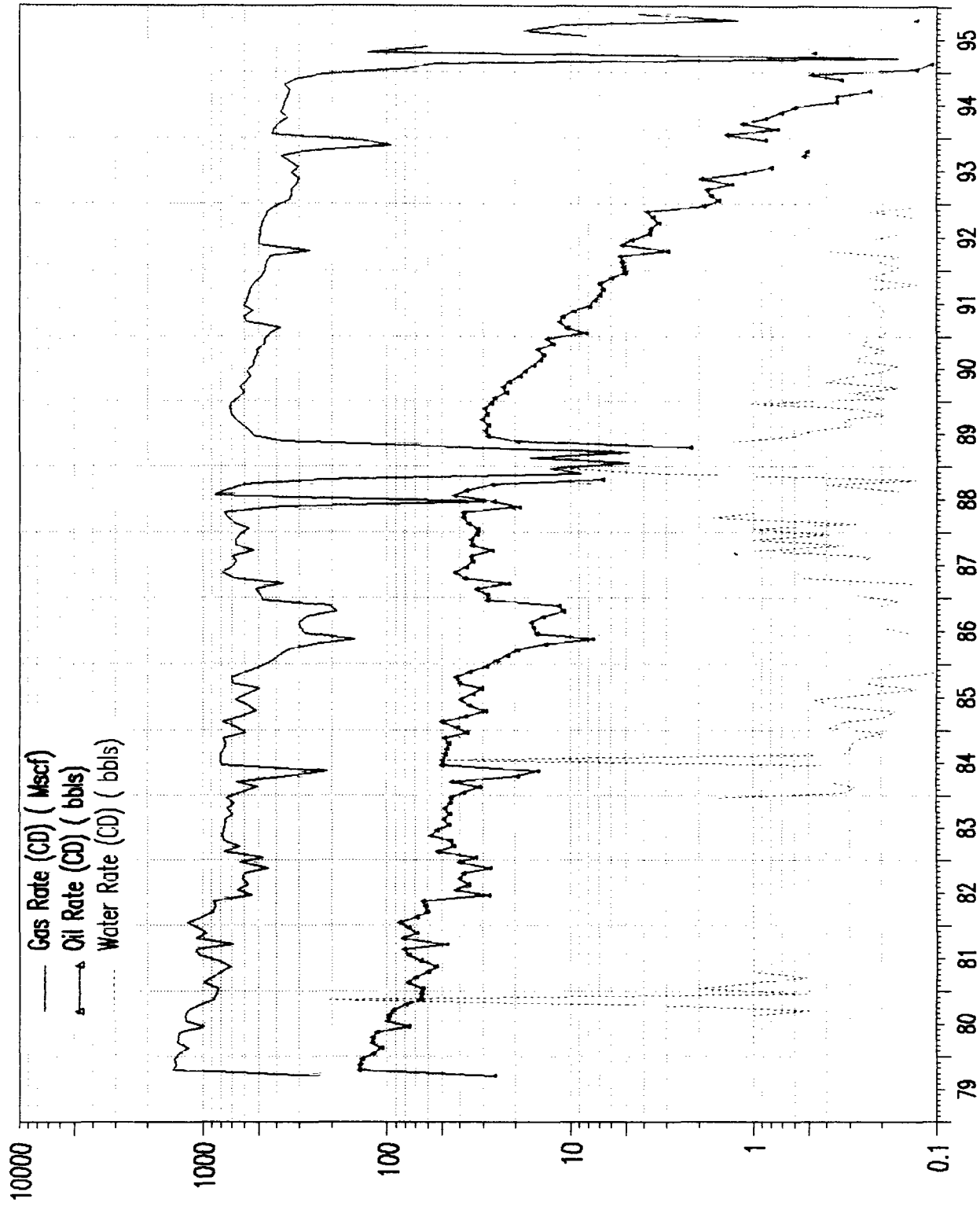
This plan may be modified or supplemented from time to time with the approval needed, when necessary, to meet changed conditions or to protect the interest of all parties to the Unit Agreement.

Submitted this 28th day of March, 1996.

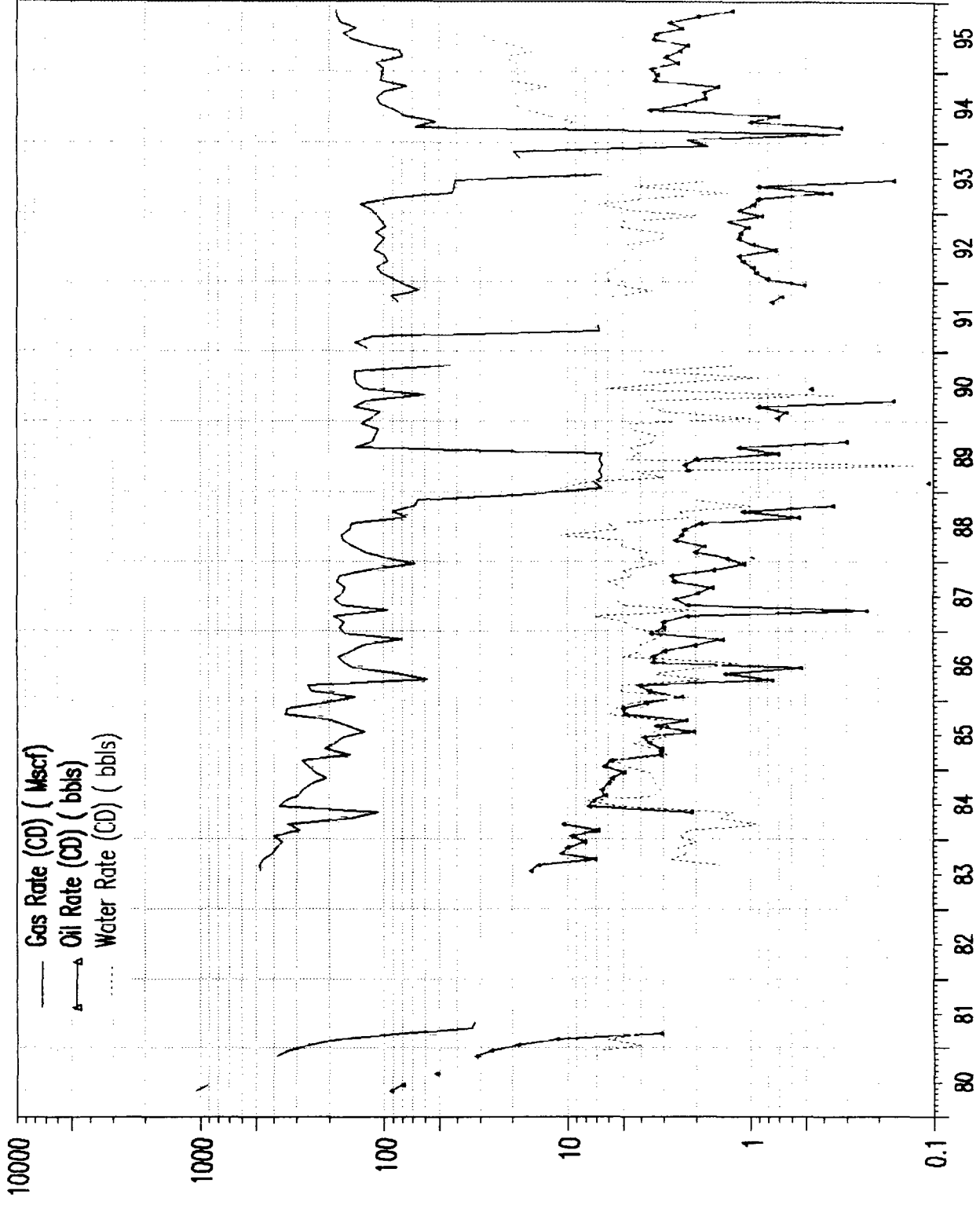
Sincerely,
UNION OIL COMPANY OF CALIFORNIA

Linda H. Hicks
Land Advisor/Contracts

LHH/s

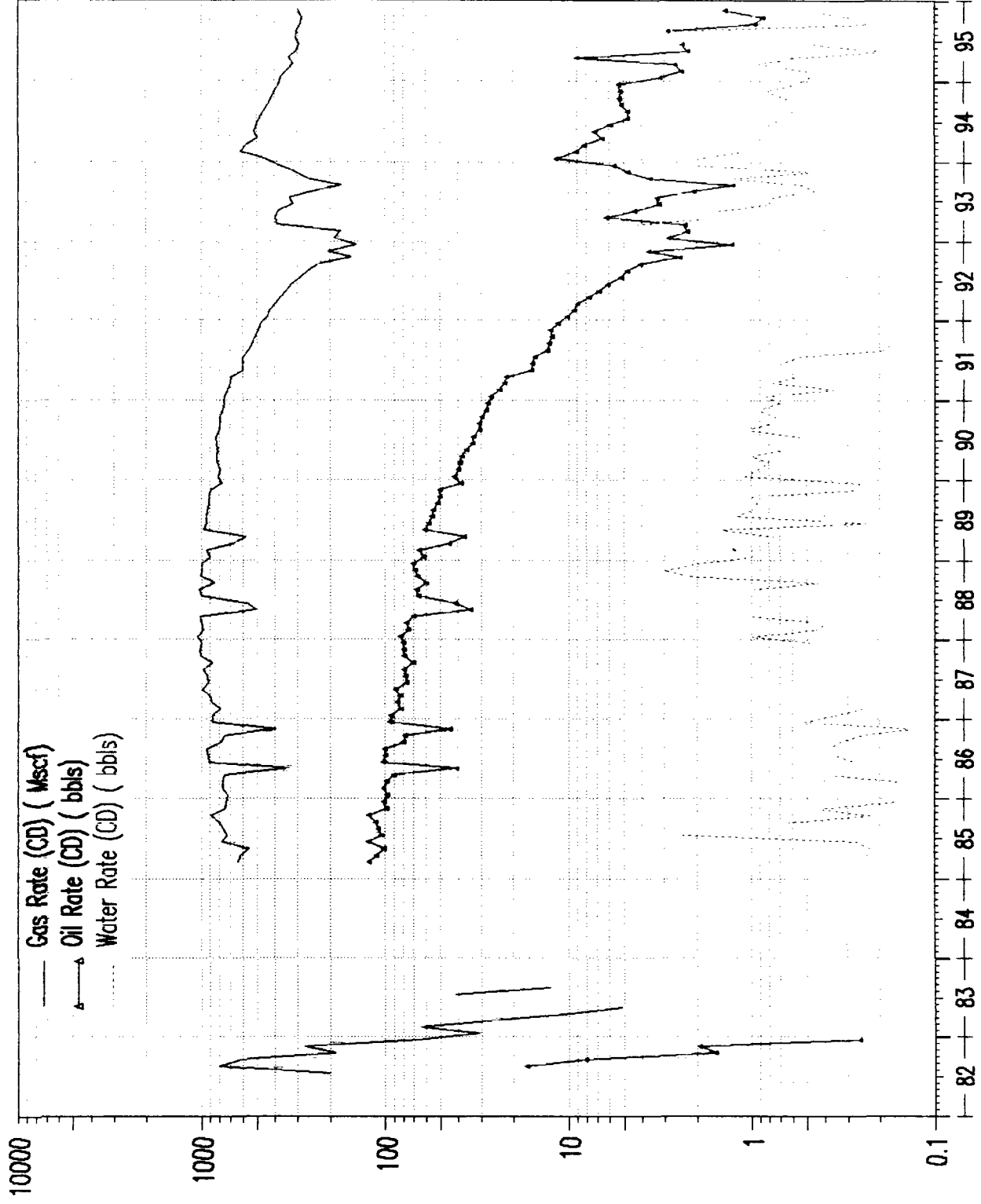
FIELD : GEM MORROW EAST
LEASE : LAGUNA DEEP FEDERAL #1



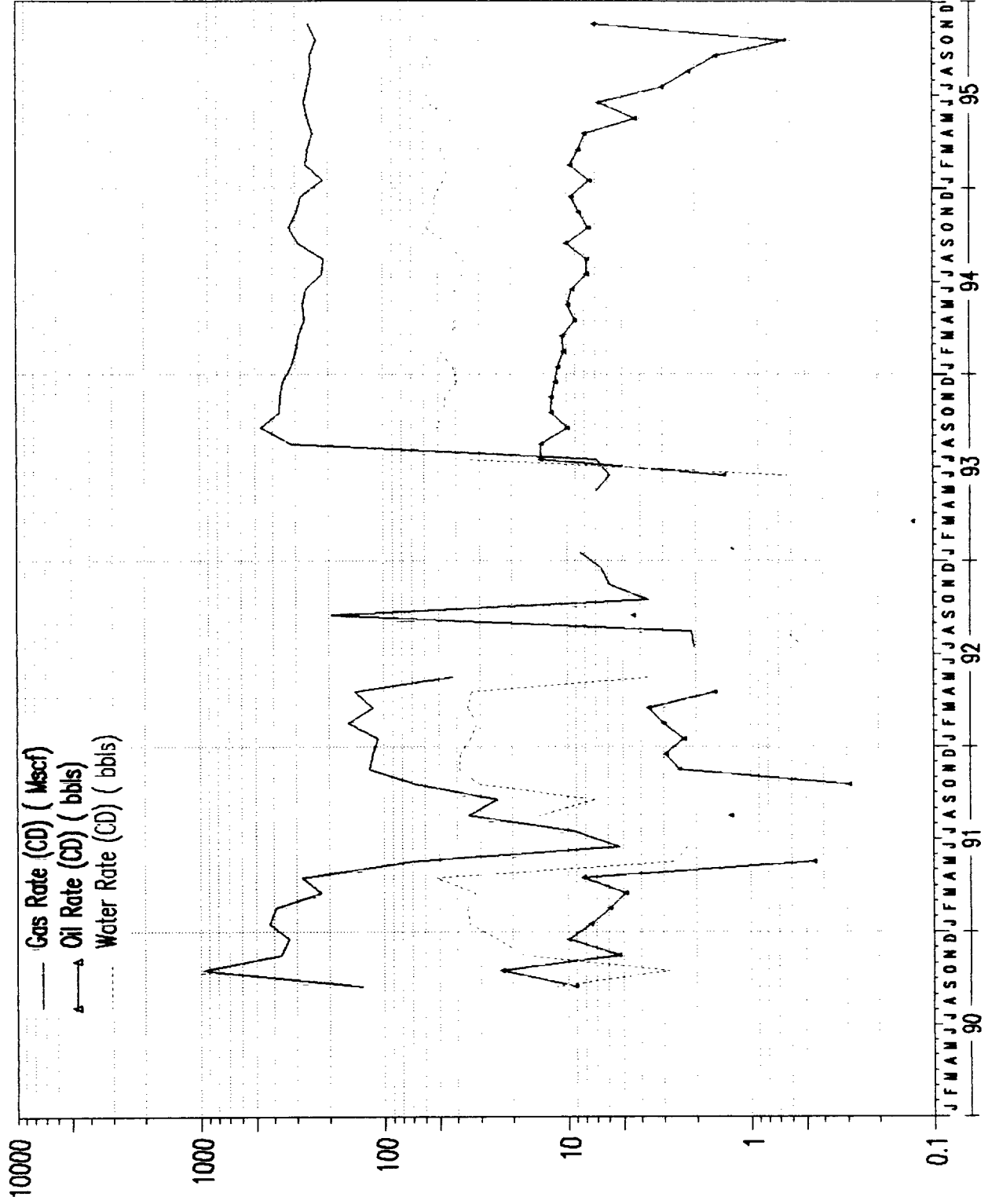
FIELD : GEM MORROW EAST
LEASE : LAGUNA DEEP FEDERAL #2



FIELD : GEM MORROW EAST
LEASE : LAGUNA DEEP FEDERAL #3

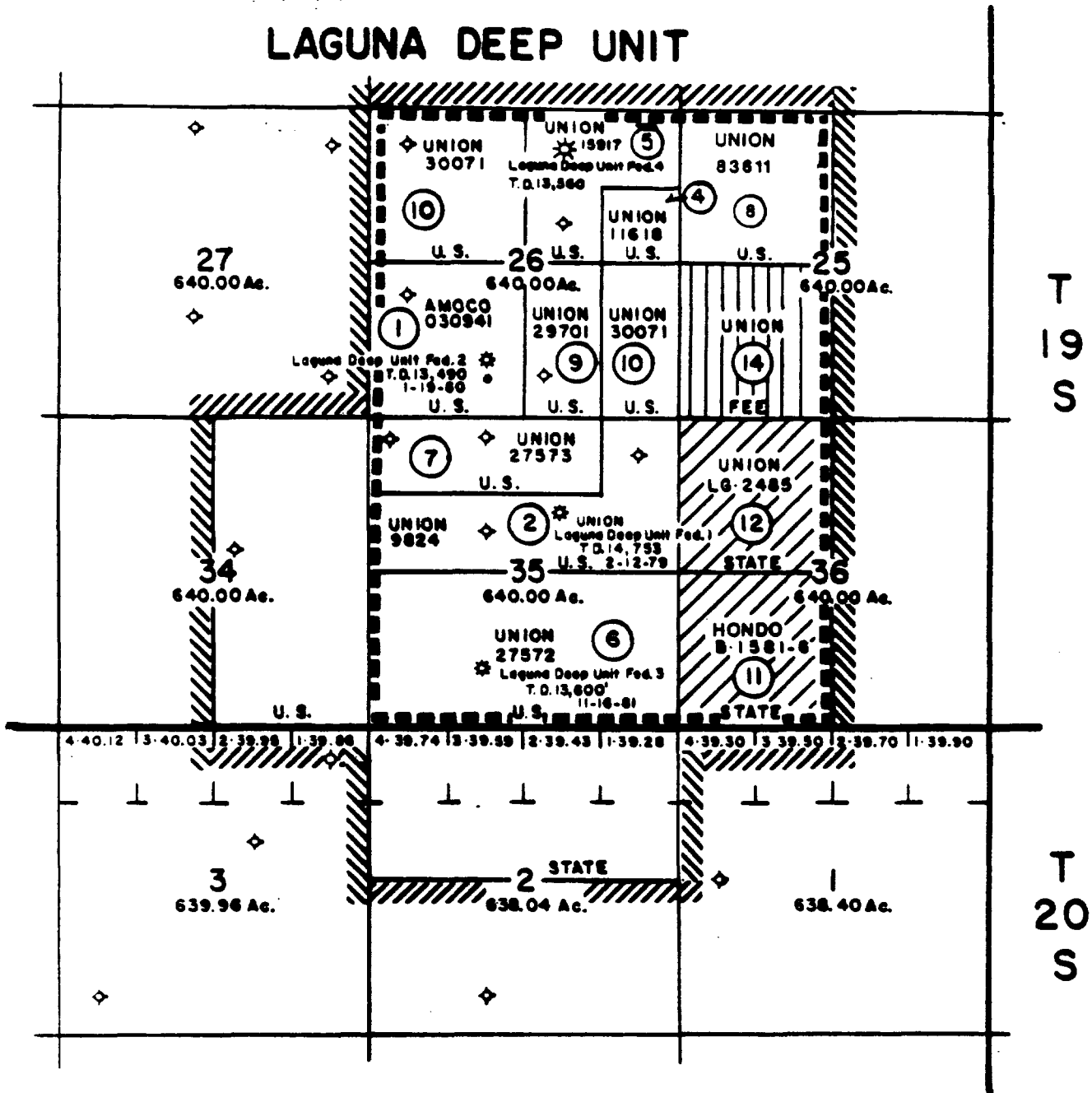


FIELD : GEM MORROW EAST
LEASE : LAGUNA DEEP FEDERAL #4

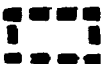


R 33 E

LAGUNA DEEP UNIT



ORIGINAL UNIT BOUNDARY



REVISED UNIT BOUNDARY & PARTICIPATING AREA



FEDERAL 1440.00 Ac. 75.00000 %



STATE 320.00 Ac. 16.66667 %



FEE 160.00 Ac. 8.33333 %

1920.00 Ac. 100.00000 %

EXHIBIT "A"-(REVISED)

LAGUNA DEEP UNIT

(AS CONTRACTED EFFECTIVE FEBRUARY 9, 1984)

LEA COUNTY, NEW MEXICO



① TRACT NUMBER-EXHIBIT "B"



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
Laguna Deep Unit Unit
Lea County, New Mexico

Dear Ms. Hicks:

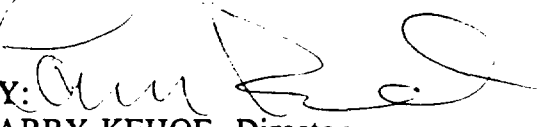
The Commissioner of Public Lands has this date approved the above-captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

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

BLM

OK
4-3-95

**1995 PLAN OF DEVELOPMENT
LAGUNA DEEP 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 Laguna Deep Unit Area, pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No. 14-08-0001-8496), respectfully submits for approval this 1995 Plan of Development for the Laguna Deep Unit Area. This Plan is for the period ending December 31, 1995.

SUMMARY OF 1994 OPERATIONS

Completed workover in Morrow formation in Laguna Deep Unit #2.

Production for 1994 is summarized below.

<u>WELL NO.</u>	<u>COMPLETED INTERVAL</u>	<u>MMCF + BC</u>
Laguna Deep #1	Middle Morrow	129.535 + 221
Laguna Deep #2	Middle Morrow	27.171 + 599
Laguna Deep #3	Middle Morrow	173.893 + 2411
Laguna Deep #4	Lower/Middle Morrow	101.000 + 3388

PLAN OF DEVELOPMENT FOR 1995

Union has no plans to drill any new wells, but does plan to recomplete Laguna Deep #2 well to Bone Springs formation.

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 24th day of March, 1995.

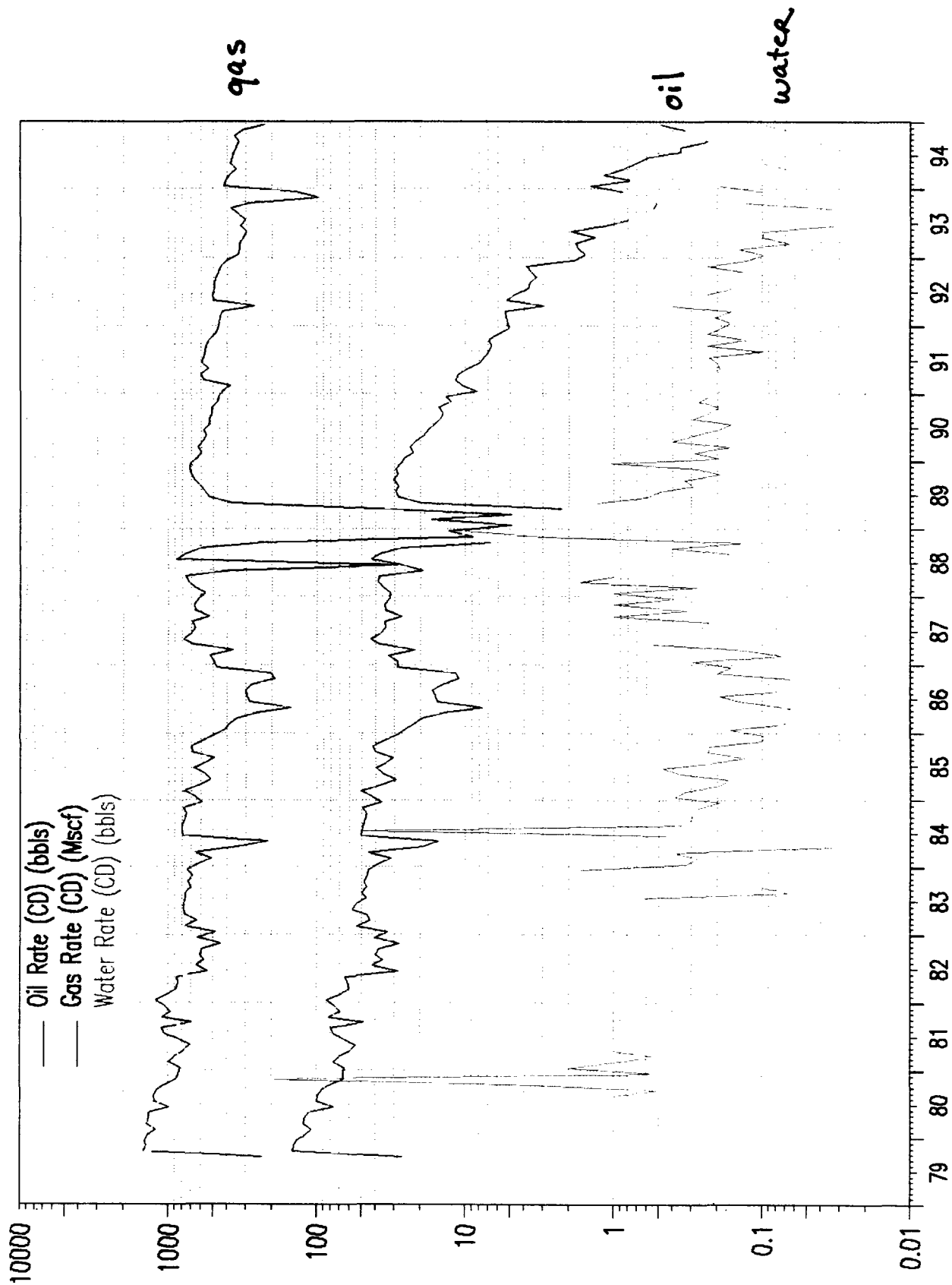
Sincerely,

UNION OIL COMPANY OF CALIFORNIA

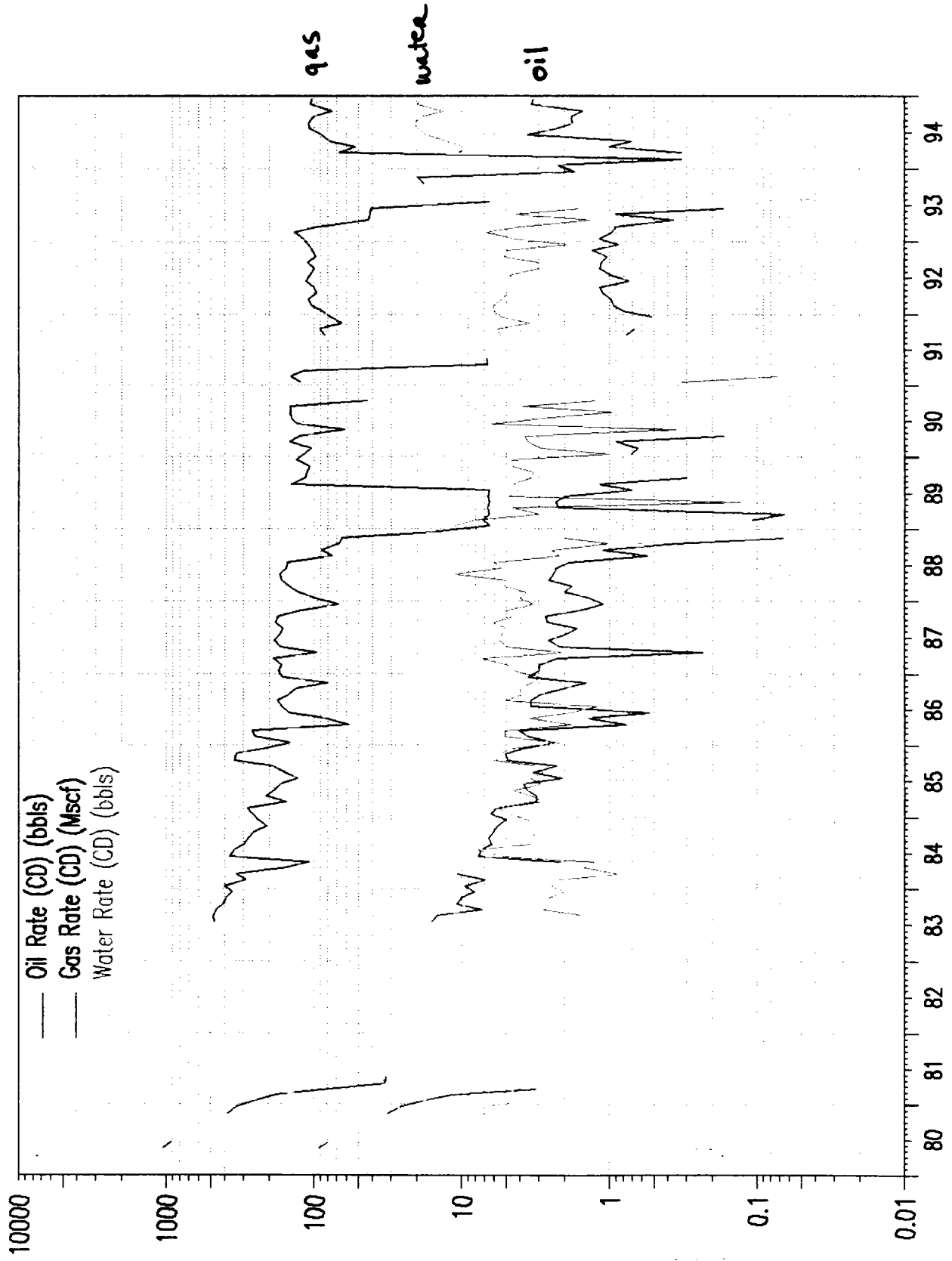

Linda H. Hicks
Land Advisor/Contracts

LHH/jb
HICKS/PDLAGUNA

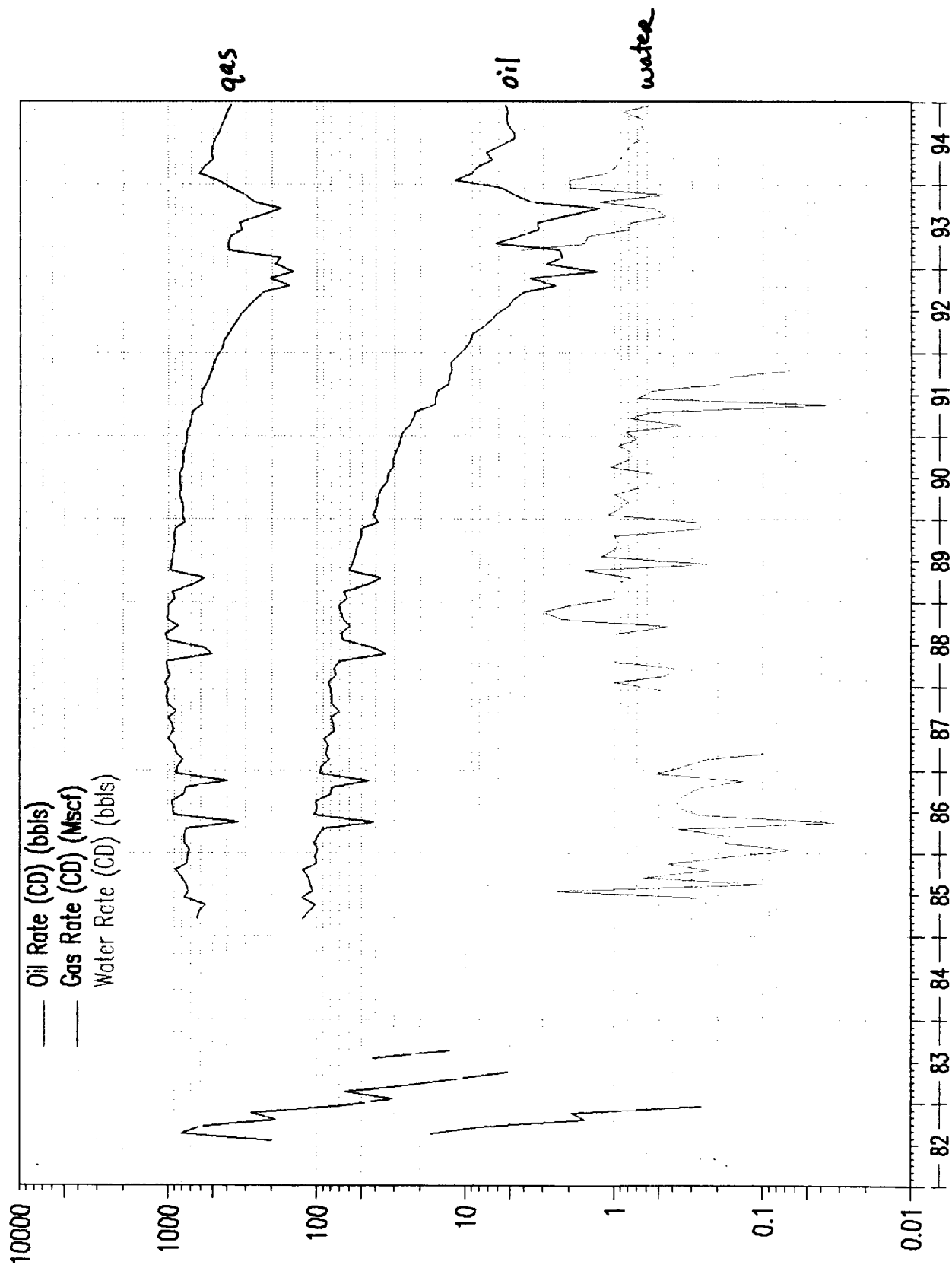
FIELD : GEM MORROW EAST
LEASE : LAGUNA DEEP FEDERAL #1



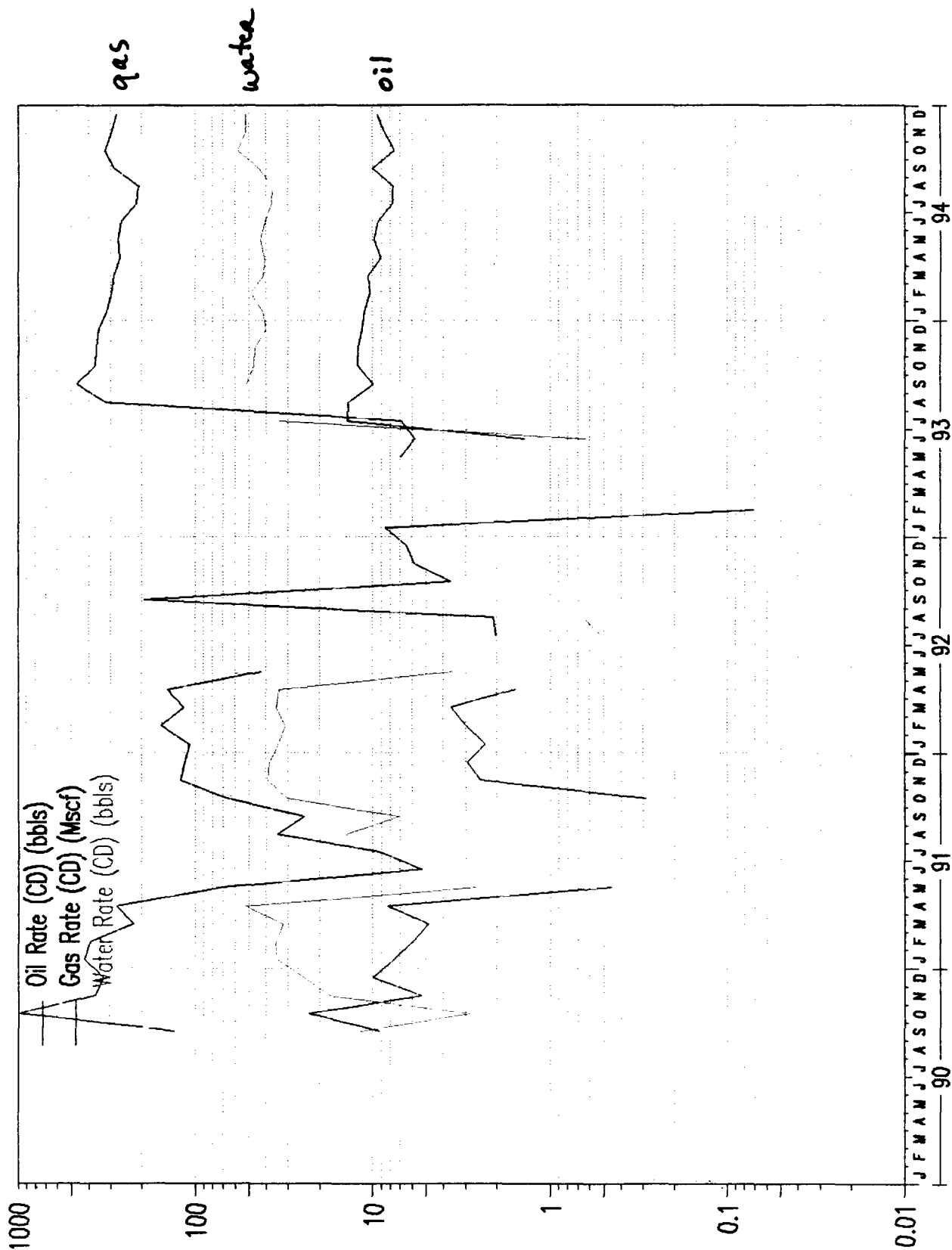
FIELD : GEM MORROW EAST
LEASE : LAGUNA DEEP FEDERAL #2



FIELD : GEM MORROW EAST
LEASE : LAGUNA DEEP FEDERAL #3

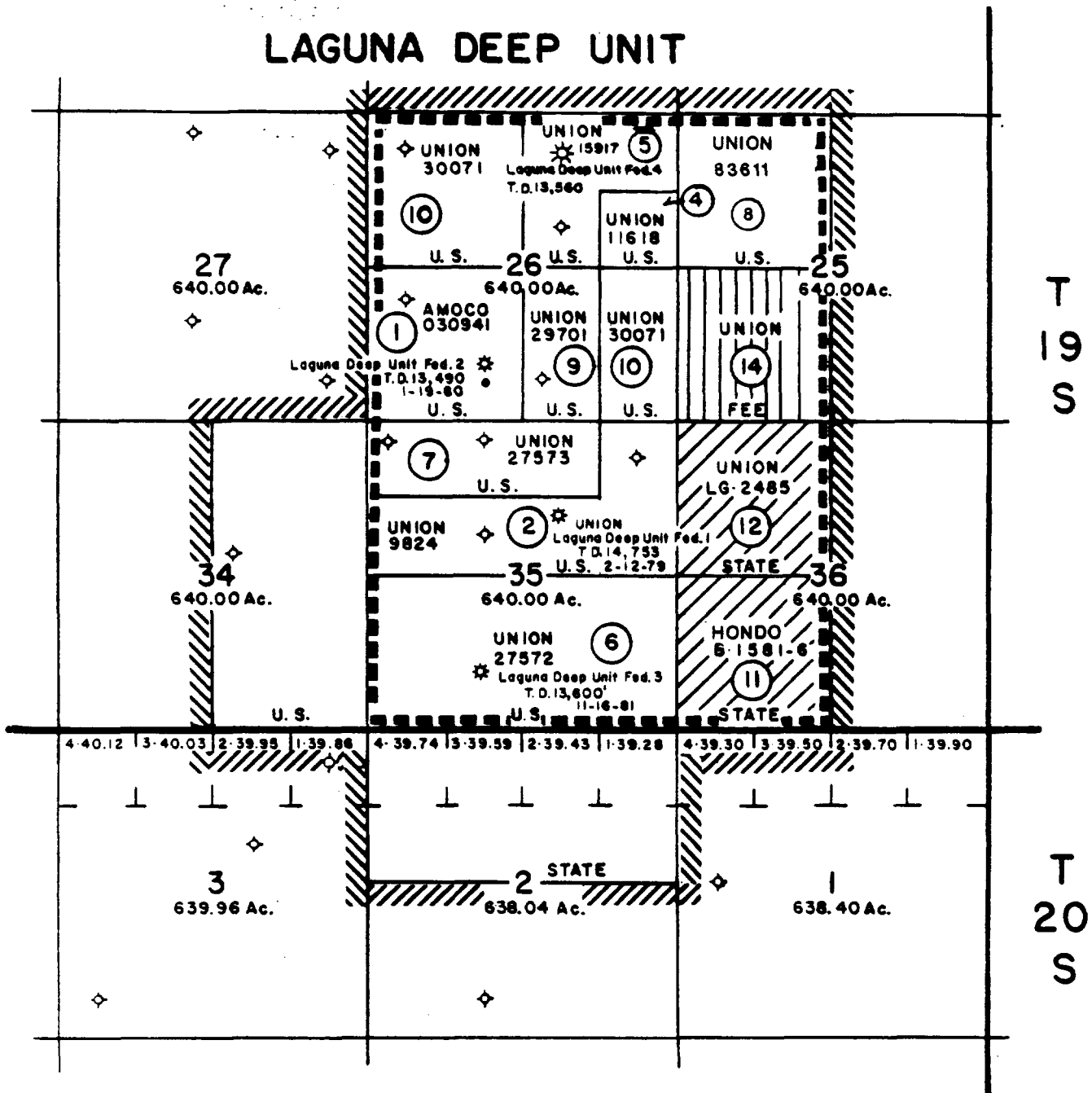


FIELD : GEM MORROW EAST
LEASE : LAGUNA DEEP FEDERAL #4



R 33 E

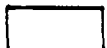
LAGUNA DEEP UNIT



ORIGINAL UNIT BOUNDARY



REVISED UNIT BOUNDARY & PARTICIPATING AREA



FEDERAL 1440.00 Ac. 75.00000 %



STATE 320.00 Ac. 16.66667 %



FEE 160.00 Ac. 8.33333 %
 1920.00 Ac. 100.00000 %

EXHIBIT "A"-(REVISED)

LAGUNA DEEP UNIT

(AS CONTRACTED EFFECTIVE FEBRUARY 9, 1984)

LEA COUNTY, NEW MEXICO



① TRACT NUMBER-EXHIBIT "B"

Unocal Energy Resources Division

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

6182



Permian Basin Business Unit

March 31, 1994

MAR 11 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
Laguna Deep Unit Area
Lea County, New Mexico
Laguna Deep Prospect (7729)

Gentlemen:

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

Should you have any questions, please let me know.

Sincerely,

UNION OIL COMPANY OF CALIFORNIA
dba UNOCAL

Linda H. Hicks
Land Advisor/Contracts

LHH/jb
Enclosures

**1994 PLAN OF DEVELOPMENT
LAGUNA DEEP UNIT AREA
LEA COUNTY, NEW MEXICO**

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

MAR 31 1994

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

Union Oil Company of California as Unit Operator for the Laguna Deep Unit Area, pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No. 14-08-0001-8496), respectfully submits for approval this 1994 Plan of Development for the Laguna Deep Unit Area. This Plan is for the period ending December 31, 1994.

SUMMARY OF 1993 OPERATIONS

Laguna Deep Unit #4 well was perforated in additional Middle Morrow pay.

Production for 1993 is summarized below.

<u>WELL NO.</u>	<u>COMPLETED INTERVAL</u>	<u>MMCF + BC</u>
Laguna Deep #1	Middle Morrow	105.636 + 370
Laguna Deep #2	Middle Morrow	15.440 + 135
Laguna Deep #3	Middle Morrow	108.363 + 1278
Laguna Deep #4	Lower/Middle Morrow	57.863 + 2301

PLAN OF DEVELOPMENT FOR 1994

Union has no plans to drill any new wells, but does plan to perforate additional pay in the Middle Morrow in #2 well.

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 31st day of March, 1994.

Sincerely,

UNION OIL COMPANY OF CALIFORNIA



Linda H. Hicks
Land Advisor/Contracts

DWIGHTS ENERGYDATA, INC.
 GAS WELL HISTORY
 NEW MEXICO GAS SOUTHEAST

RUN DATE: 02/04/94
 Published 1/94
 (#250,025,19S33E35G00PM)

OPERATOR (#748982)	WELL NAME	WELL #
UNION OIL CO OF CAL	LAGUNA DEEP FEDERAL	000001

LOCATION	STATE	DIST	COUNTY (#025)	LEASE #
35G 19S 33E	NM	002	LEA	59850

API #	FIELD (#8030435)	RESERVOIR
30-025-2588600	GEM EAST (MORROW) PM	MORROW

TOTAL DEPTH	UPPER PERF	LOWER PERF	GAS GATH	LIQ GATH	GAS GRAV	LIQ GRAV	TEMP GRAD	N-FACTOR
14753	13365	13369	LLANO	CONTL	0.67	58.0	0.969	0.926

COMP DATE	1ST PROD DATE	LAST PROD DATE	STATUS DATE	STATUS
7902	7909	9308		ACT

CUM THRU LPD GAS/MCF	GAS CUM SINCE DATE	CUM THRU LPD COND/BBLs	COND CUM SINCE DATE
3180219	FPDAT	183112	FPDAT

DWIGHTS ENERGYDATA, INC.
 UNION OIL CO OF CAL
 LAGUNA DEEP FEDERAL

RUN DATE: 02/04/94
 Published 1/94
 (#250,025,19S33E35G00PM)

*** MONTHLY PRODUCTION HISTORY ***

MONTH	GAS MCF	CUM GAS MCF	COND BBLs	CUM COND BBLs	WATER BBLs	DAYS ON
JAN	19893	2563316	803	172577	6	31
FEB	16737	2580053	628	173205	8	28
MAR	19470	2599523	727	173932	5	31
APR	17629	2617152	650	174582	12	30
MAY	17221	2634373	587	175169	9	29
JUN	17273	2651646	534	175703	6	30
JUL	16448	2668094	497	176200	5	31
AUG	16495	2684589	457	176657	9	31
SEP	15312	2699901	421	177078	7	30
OCT	15847	2715748	470	177548	6	31
NOV	13958	2729706	376	177924	8	30
DEC	14343	2744049	419	178343	7	31
1990	200626	2744049	6569	178343	88	
JAN	13318	2757367	258	178601	6	31
FEB	10646	2768013	293	178894	5	28
MAR	18016	2786029	359	179253	0	31
APR	17938	2803967	330	179583	6	30
MAY	16624	2820591	299	179882	6	31
JUN	17842	2838433	237	180119	6	30
JUL	17908	2856341	230	180349	7	31
AUG	17577	2873918	215	180564	3	31
SEP	16731	2890649	199	180763	7	30
OCT	16466	2907115	215	180978	4	31
NOV	14602	2921717	179	181157	7	30
DEC	14476	2936193	157	181314	6	31
1991	192144	2936193	2971	181314	63	
JAN	14181	2950374	161	181475	5	31
FEB	13097	2963471	153	181628	6	29
MAR	13509	2976980	167	181795	5	31
APR	7943	2984923	89	181884	12	16
MAY	15446	3000369	163	182047	0	31
JUN	15016	3015385	139	182186	7	30
JUL	15146	3030531	116	182302	5	24
AUG	15139	3045670	114	182416	0	31
SEP	14394	3060064	100	182516	0	30
OCT	14335	3074399	111	182627	4	31
NOV	13347	3087746	116	182743	7	30
DEC	12538	3100284	58	182801	4	31
1992	164091	3100284	1487	182801	55	
JAN	10555	3110839	48	182849	3	31
FEB	9251	3120090	48	182897	4	28
MAR	10235	3130325	56	182953	2	31
APR	9340	3139665	40	182993	3	30
MAY	10881	3150546	60	183053	3	31
JUN	9878	3160424	34	183087	1	29
JUL	9424	3169848	25	183112	1	31
AUG	10371	3180219	0	183112	0	31
1993	79935	3180219	311	183112	17	

DWIGHTS ENERGYDATA, INC.
 GAS WELL HISTORY
 NEW MEXICO GAS SOUTHEAST

RUN DATE: 02/04/94
 Published 1/94
 (#250,025,19S33E26N00PM)

OPERATOR (#748982)	WELL NAME	WELL #
UNION OIL CO OF CAL	LAGUNA DEEP FEDERAL	000002

LOCATION	STATE	DIST	COUNTY (#025)	LEASE #
26N 19S 33E	NM	002	LEA	69098

API #	FIELD (#8030435)	RESERVOIR
30-025-2644000	GEM EAST (MORROW) PM	MORROW

TOTAL DEPTH	UPPER PERF	LOWER PERF	GAS GATH	LIQ GATH	GAS GRAV	LIQ GRAV	TEMP GRAD	N-FACTOR
13490	13381	13390	LLANO	SCURP	0.69	58.0	0.969	1.000

COMP DATE	1ST PROD DATE	LAST PROD DATE	STATUS DATE	STATUS
8001	8005	9307		ACT

CUM THRU LPD GAS/MCF	GAS CUM SINCE DATE	CUM THRU LPD COND/BBLs	COND CUM SINCE DATE
658649	FPDAT	18426	FPDAT

DWIGHTS ENERGYDATA, INC.
 UNION OIL CO OF CAL
 LAGUNA DEEP FEDERAL

RUN DATE: 02/04/94
 Published 1/94
 (#250,025,19S33E26N00PM)

*** MONTHLY PRODUCTION HISTORY ***

MONTH	GAS MCF	CUM GAS MCF	COND BBLs	CUM COND BBLs	WATER BBLs	DAYS ON
JAN	3616	553147	22	17794	31	31
FEB	2951	556098	18	17812	81	28
MAR	4532	560630	28	17840	111	31
APR	3740	564370	5	17845	111	30
MAY	1909	566279	0	17845	11	11
JUN	3876	570155	14	17859	187	30
JUL	4413	574568	0	17859	88	31
AUG	4468	579036	0	17859	28	31
SEP	4334	583370	0	17859	116	30
OCT	1341	584711	1	17860	38	13
NOV	0	584711	0	17860	0	0
DEC	0	584711	0	17860	0	0
1990	35180	584711	88	17860	802	
JAN	3828	588539	0	17860	10	31
FEB	4023	592562	0	17860	2	28
MAR	3578	596140	0	17860	0	29
APR	200	596340	0	17860	22	5
MAY	210	596550	0	17860	0	2
JUN	0	596550	0	17860	0	0
JUL	0	596550	0	17860	0	0
AUG	0	596550	0	17860	0	0
SEP	2534	599084	23	17883	163	25
OCT	2823	601907	21	17904	178	31
NOV	1940	603847	0	17904	103	30
DEC	2386	606233	16	17920	169	31
1991	21522	606233	60	17920	647	
JAN	2735	608968	25	17945	187	31
FEB	3005	611973	27	17972	176	29
MAR	3380	615353	30	18002	164	31
APR	2866	618219	33	18035	148	30
MAY	3093	621312	36	18071	143	31
JUN	3378	624690	22	18093	131	30
JUL	3279	627969	30	18123	147	31
AUG	3075	631044	36	18159	93	31
SEP	3300	634344	34	18193	90	30
OCT	3022	637366	32	18225	160	31
NOV	3083	640449	39	18264	148	30
DEC	3372	643821	27	18291	58	31
1992	37588	643821	371	18291	1645	
JAN	3620	647441	36	18327	134	-
FEB	3771	651212	27	18354	191	28
MAR	2851	654063	28	18382	122	31
APR	1274	655337	11	18393	40	14
MAY	1877	657214	28	18421	133	24
JUN	1235	658449	5	18426	48	19
JUL	200	658649	0	18426	0	-
1993	14828	658649	135	18426	668	

DWIGHTS ENERGYDATA, INC.
GAS WELL HISTORY
NEW MEXICO GAS SOUTHEAST

RUN DATE: 02/04/94
Published 1/94
(#250,025,19S33E35N00PM)

OPERATOR (#748982)	WELL NAME	WELL #
UNION OIL CO OF CAL	LAGUNA DEEP FEDERAL	000003

LOCATION	STATE	DIST	COUNTY (#025)	LEASE #
35N 19S 33E	NM	002	LEA	90935

API #	FIELD (#8030435)	RESERVOIR
30-025-2715200	GEM EAST (MORROW) PM	MORROW

TOTAL DEPTH	UPPER PERF	LOWER PERF	GAS GATH	LIQ GATH	GAS GRAV	LIQ GRAV	TEMP GRAD	N-FACTOR
13600	12499	13502	LLANO		0.65	51.5	0.969	0.680

COMP DATE	1ST PROD DATE	LAST PROD DATE	STATUS DATE	STATUS
8112	8207	9308		ACT

CUM THRU LPD GAS/MCF	GAS CUM SINCE DATE	CUM THRU LPD COND/BBLs	COND CUM SINCE DATE
2252218	FPDAT	160792	FPDAT

DWIGHTS ENERGYDATA, INC.
 UNION OIL CO OF CAL
 LAGUNA DEEP FEDERAL

RUN DATE: 02/04/94
 Published 1/94
 (#250,025,19S33E35N00PM)

*** MONTHLY PRODUCTION HISTORY ***

MONTH	GAS MCF	CUM GAS MCF	COND BBLs	CUM COND BBLs	WATER BBLs	DAYS ON
JAN	25023	1582361	1303	140531	34	31
FEB	22238	1604599	1115	141646	26	28
MAR	25333	1629932	1216	142862	25	31
APR	24904	1654836	1151	144013	30	30
MAY	25445	1680281	1120	145133	21	31
JUN	24894	1705175	1002	146135	0	30
JUL	25824	1730999	1025	147160	17	31
AUG	24901	1755900	955	148115	33	31
SEP	23920	1779820	921	149036	24	30
OCT	24491	1804311	920	149956	23	31
NOV	22974	1827285	847	150803	28	30
DEC	23418	1850703	853	151656	22	31
1990	293365	1850703	12428	151656	283	
JAN	23254	1873957	818	152474	26	31
FEB	20147	1894104	668	153142	10	28
MAR	21599	1915703	696	153838	24	31
APR	20813	1936516	656	154494	17	30
MAY	18440	1954956	493	154987	1	31
JUN	17960	1972916	476	155463	21	30
JUL	18444	1991360	475	155938	17	31
AUG	17290	2008650	404	156342	6	3
SEP	15910	2024560	385	156727	5	30
OCT	15826	2040386	381	157108	2	31
NOV	14708	2055094	375	157483	2	30
DEC	14648	2069742	352	157835	0	31
1991	219039	2069742	6179	157835	131	
JAN	13442	2083184	314	158149	0	29
FEB	12366	2095550	272	158421	0	29
MAR	12318	2107868	278	158699	0	31
APR	11196	2119064	232	158931	6	30
MAY	10683	2129747	210	159141	0	31
JUN	9669	2139416	184	159325	0	30
JUL	8916	2148332	161	159486	0	31
AUG	8096	2156428	148	159634	0	31
SEP	6921	2163349	122	159756	0	30
OCT	4735	2168084	77	159833	0	23
NOV	6128	2174212	110	159943	0	24
DEC	4440	2178652	40	159983	0	31
1992	108910	2178652	2148	159983	6	
JAN	5856	2184508	88	160071	0	31
FEB	4915	2189423	63	160134	0	27
MAR	12049	2201472	72	160206	131	31
APR	11831	2213303	187	160393	47	30
MAY	11478	2224781	135	160528	47	31
JUN	9547	2234328	97	160625	24	29
JUL	10309	2244637	102	160727	24	31
AUG	7581	2252218	65	160792	14	29
1993	73566	2252218	809	160792	287	

DWIGHTS ENERGYDATA, INC.
GAS WELL HISTORY
NEW MEXICO GAS SOUTHEAST

RUN DATE: 02/04/94
Published 1/94
(#250,025,19S33E26B00PM)

OPERATOR (#748982)	WELL NAME	WELL #
UNION OIL CO OF CAL	LAGUNA DEEP FEDERAL	000004

LOCATION	STATE	DIST	COUNTY (#025)	LEASE #
26B 19S 33E	NM	002	LEA	93965

API #	FIELD (#8030435)	RESERVOIR
30-025-3069500	GEM EAST (MORROW) PM	MORROW

TOTAL DEPTH	UPPER PERF	LOWER PERF	GAS GATH	LIQ GATH	GAS GRAV	LIQ GRAV	TEMP GRAD	N-FACTOR
			GNM	KOCHO			0.969	

COMP DATE	1ST PROD DATE	LAST PROD DATE	STATUS DATE	STATUS
	9009	9308		ACT

CUM THRU LPD GAS/MCF	GAS CUM SINCE DATE	CUM THRU LPD COND/BBLs	COND CUM SINCE DATE
137301	FPDAT	3701	FPDAT

DWIGHTS ENERGYDATA, INC.
 UNION OIL CO OF CAL
 LAGUNA DEEP FEDERAL

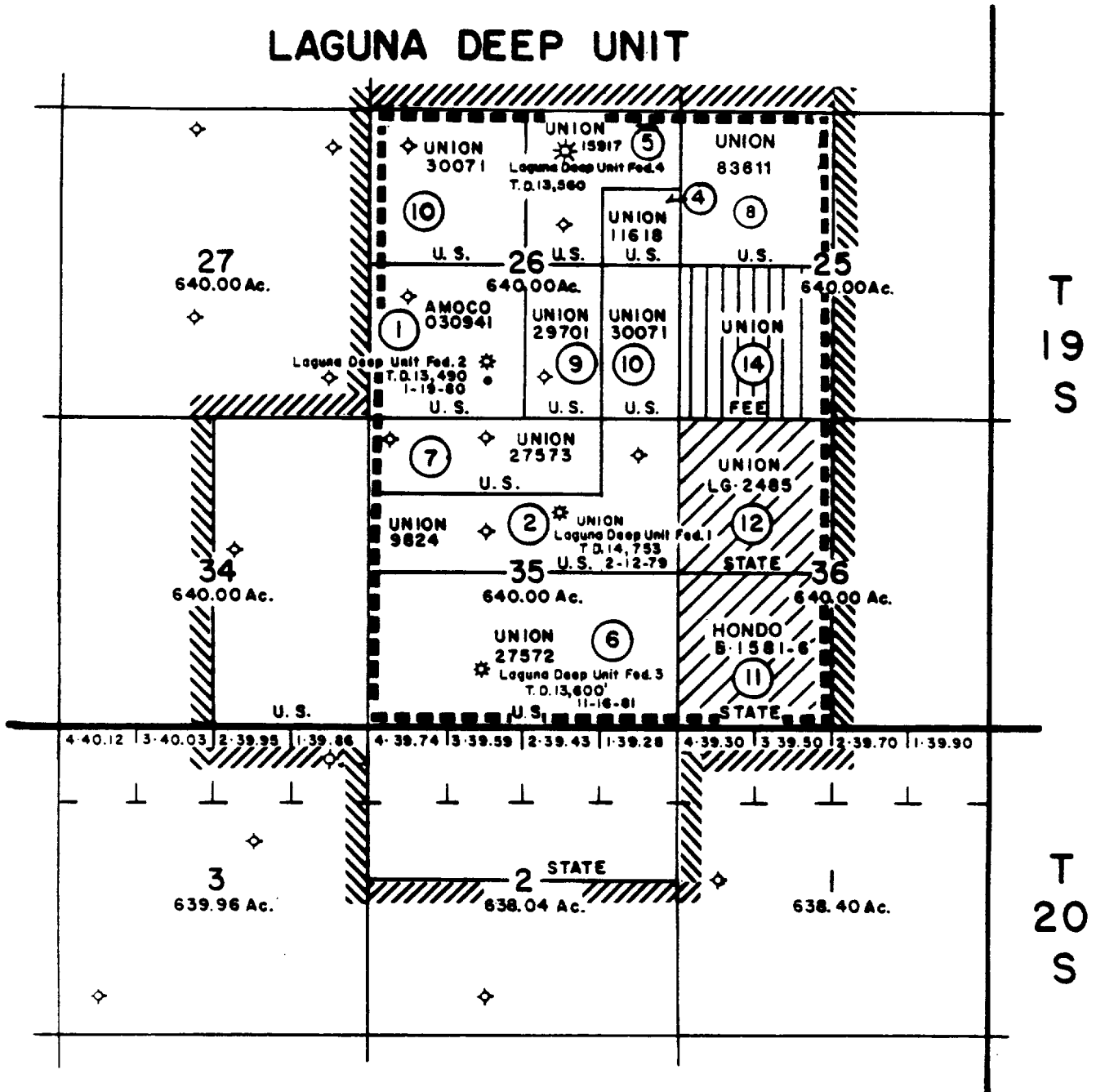
RUN DATE: 02/04/94
 Published 1/94
 (#250,025,19S33E26B00PM)

*** MONTHLY PRODUCTION HISTORY ***

MONTH	GAS MCF	CUM GAS MCF	COND BBLs	CUM COND BBLs	WATER BBLs	DAYS ON
SEP	3949	3949	273	273	348	-
OCT	30493	34442	710	983	87	31
NOV	10975	45417	158	1141	523	30
DEC	10222	55639	307	1448	754	28
1990	55639	55639	1448	1448	1712	
JAN	13035	68674	234	1682	1066	28
FEB	10973	79647	166	1848	987	28
MAR	6889	86536	151	1999	998	31
APR	8366	94902	247	2246	1562	30
MAY	2167	97069	14	2260	80	4
JUN	158	97227	0	2260	67	1
JUL	290	97517	0	2260	0	2
AUG	1071	98588	40	2300	443	11
SEP	730	99318	0	2300	214	11
OCT	2080	101398	9	2309	939	23
NOV	3626	105024	74	2383	1170	30
DEC	3570	108594	91	2474	1190	31
1991	52955	108594	1026	2474	8716	
JAN	3341	111935	72	2546	1055	30
FEB	4525	116460	87	2633	905	29
MAR	3585	120045	112	2745	1086	31
APR	4301	124346	47	2792	1010	30
MAY	1318	125664	0	2792	110	6
JUN	0	125664	0	2792	0	0
JUL	63	125727	0	2792	16	2
AUG	65	125792	0	2792	20	2
SEP	64	125856	5	2797	0	2
OCT	113	125969	0	2797	0	31
NOV	177	126146	0	2797	2	2
DEC	201	126347	0	2797	0	2
1992	17753	126347	323	2797	4204	
JAN	263	126610	0	2797	0	-
FEB	2	126612	0	2797	5	2
MAR	0	126612	4	2801	0	6
APR	206	126818	0	2801	0	-
MAY	215	127033	0	2801	0	2
JUN	175	127208	42	2843	19	4
JUL	215	127423	430	3273	1053	31
AUG	9878	137301	428	3701	0	31
1993	10954	137301	904	3701	1077	

R 33 E

LAGUNA DEEP UNIT



	ORIGINAL UNIT BOUNDARY		
	REVISED UNIT BOUNDARY & PARTICIPATING AREA		
	FEDERAL	1440.00 Ac.	75.00000 %
	STATE	320.00 Ac.	16.66667 %
	FEE	160.00 Ac.	8.33333 %
		1920.00 Ac.	100.00000 %

EXHIBIT "A"- (REVISED)

LAGUNA DEEP UNIT

(AS CONTRACTED EFFECTIVE FEBRUARY 9, 1984)

LEA COUNTY, NEW MEXICO



① TRACT NUMBER- EXHIBIT "B"

REVISED EXHIBIT "B" - LAGUNA DEEP UNIT, LEA COUNTY, NEW MEXICO, T-19-S, R-33-E - AS CONTRACTED EFFECTIVE 2/9/84

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	SERIAL NO. & EXPIRATION DATE OF LEASE	BASIC ROYALTY AND OWNERSHIP PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY AND PERCENTAGE	WORKING INTEREST AND PERCENTAGE
	<u>FEDERAL LAND</u>						
1	Sec. 26: SW/4	160.00	NM-030941 HBP	U.S.A. (12.50%)	AMOCO PRODUCTION COMPANY	VIRGINIA WILLIS HESS, PERSONAL REPRESENTATIVE OF THE ESTATE OF EUGENIA W. BATE, DEC'D 1 1/2% OF 8/8 R. M. HESS & VIRGINIA W. HESS, TRUSTEES UNDER AGREEMENT DATED 4/10/72 1% OF 8/8 ELIZABETH W. CHRISTENSEN AND HUSBAND, DON T. CHRISTENSEN 1/2% OF 8/8 WINIFRED T. SEATON 1/2% OF 8/8 JO ANN W. LIGHT & HUSBAND ROBERT S. LIGHT 1/2% OF 8/8	AMOCO PRODUCTION Company - 100%
2	Sec. 35: NE/4 NE/4, S/2 N/2	200.00	NM-9824 7/31/79	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	W. FEICK, JR. & WIFE, JOAN W. FEICK \$750/ACRE PPI OUT OF 5%	UNION OIL COMPANY OF CALIFORNIA - 100%
3	Sec. 26: SE/4 NE/4	40.00	NM-11618 4/30/90	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	CALVIN A. MITCHELL & WIFE, EVELYN MITCHELL 4% LEO POLLACK 1/4% M. A. SCHOFMAN	UNION OIL COMPANY OF CALIFORNIA - 100%
5	Sec. 26: N/2 NE/4, SW/4 NE/4	120.00	NM-15917 6/30/82	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	GWEN P. TAYLOR & HUSBAND, CHARLES G. TAYLOR, AND CARL A. NILSEN & WIFE, GEORGEANNE NILSEN 5%	UNION OIL COMPANY OF CALIFORNIA - 100%

REVISED EXHIBIT "B" - LAGUNA DEEP UNIT, LEA COUNTY, NEW MEXICO, T-19-S, R-33-E - AS CONTRACTED EFFECTIVE 2/9/84

SECTION OF	NUMBER OF ACRES	SERIAL NO. & EXPIRATION DATE OF LEASE	BASIC ROYALTY AND OWNERSHIP PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY AND PERCENTAGE	WORKING INTEREST AND PERCENTAGE
S/2	320.00	NM-27572 5/31/83	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	BAKERSFIELD INVESTMENT TRUST, LUCILLE WILSON, TRUSTEE 2 1/2% BANK OF AMERICA, NT&SA, AS TRUSTEE OF THE CHARLES E. STRANGE 1976 TRUST #1 1 1/2% OF 8/8 C. E. STRANGE & WIFE, SHERRIE R. STRANGE 1% OF 8/8	UNION OIL COMPANY OF CALIFORNIA - 100%
NW/4 NE/4, N/2 NW/4	120.00	NM-27573 11/30/78	U.S.A. (SCHEDULE "B")	UNION OIL COMPANY OF CALIFORNIA	NONE	UNION OIL COMPANY OF CALIFORNIA - 100%
NW/4	160.00	NM-83611 3/31/95	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	NONE	UNION OIL COMPANY OF CALIFORNIA - 100%
N/2 SE/4	80.00	NM-29701 2/28/82	U.S.A. (SCHEDULE "B")	UNION OIL COMPANY OF CALIFORNIA	NONE	UNION OIL COMPANY OF CALIFORNIA - 100%
NW/4, E/2 SE/4	240.00	NM-30071 4/30/87	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	CAROL L. TEIGEN & THEODORE H. TEIGEN, JR. 5%	UNION OIL COMPANY OF CALIFORNIA - 100%
FEDERAL TRACTS 1440.00 ACRES OR 75.00000% OF UNIT AREA.						
<u>Q STATE LAND</u>						
SW/4	160.00	B-1581-6 HBP	STATE OF NEW MEXICO (12.50%)	HONDO OIL & GAS COMPANY	NONE	HONDO OIL & GAS COMPANY

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	SERIAL NO. & EXPIRATION DATE OF LEASE	BASIC ROYALTY AND OWNERSHIP PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY AND PERCENTAGE	WORKING INTEREST AND PERCENTAGE
12	Sec. 36: NW/4	160.00	LG-2485 1/1/85	STATE OF NEW MEXICO (12.50%)	UNION OIL COMPANY OF CALIFORNIA	NONE	UNION OIL COMPANY OF CALIFORNIA - 100%
2 STATE TRACTS 320.00 ACRES OR 16.66667% OF UNIT AREA.							

PATENTED LAND

14	Sec. 25: SW/4	160.00	12/20/77* 12/20/80*	MARK SMITH & WIFE, ANNIE LORA SMITH; KENNETH MARK SMITH & WIFE, PATSY LOU SMITH; WILLIAM C. SMITH & WIFE, NANCY JEAN SMITH; LORA NELL GLENN & HUSBAND, WILLIAM JEFF GLENN (18.75%)	UNION OIL COMPANY OF CALIFORNIA	NONE	UNION OIL COMPANY OF CALIFORNIA - 100%
----	---------------	--------	------------------------	---	------------------------------------	------	---

1 PATENTED TRACT 160.00 ACRES OR 8.33333% OF UNIT AREA.

TOTAL: 12 TRACTS 1920.00 ACRES IN ENTIRE UNIT AREA

*LEASE HAS BEEN RENEWED BY OIL AND GAS LEASE DATED JUNE 4, 1977, RECORDED IN VOL. 304, PAGE 260 OF THE RECORDS OF LEA COUNTY, NEW MEXICO.
PRIMARY TERM IS STATED AS BEING 3 YEARS FROM 12/20/77.

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

6182

OIL CONSERVATION DIVISION
RECEIVED

'93 MAR 24 AM 9 13



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
Laguna Deep Unit Area
Lea County, New Mexico
Laguna Deep Prospect (7729)

Gentlemen:

Please find enclosed for your approval two (2) copies of Union's 1993 Plan of Development for the Laguna Deep 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

**1993 PLAN OF DEVELOPMENT
LAGUNA DEEP 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 Laguna Deep Unit Area, pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No. 14-08-0001-8496), respectfully submits for approval this 1993 Plan of Development for the Laguna Deep Unit Area. This Plan is for the period ending December 31, 1993.

SUMMARY OF 1992 OPERATIONS

There were no new wells or recompletions in 1992.

Production for 1992 is summarized below.

<u>WELL NO.</u>	<u>COMPLETED INTERVAL</u>	<u>1992 PRODUCTION</u> <u>MCFPD + BC</u>	<u>CURRENT RATE</u> <u>MCFPD + BCPD</u>
Laguna Deep #1	Middle Morrow	164.091 + 1487	340 + 1.5
Laguna Deep #2	Middle Morrow	37.588 + 371	116 + 1
Laguna Deep #3	Middle Morrow	108.910 + 2148	189 + 2.8
Laguna Deep #4	Lower/Middle Morrow	17.753 + 323	8.5 + 0

PLAN OF DEVELOPMENT FOR 1993

Union has no plans to drill any new wells. Union does plan to recommend to working interest owners the uphole recompletion of the #3 and #4 wells.

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 23rd day of March, 1993.

Sincerely,

UNION OIL COMPANY OF CALIFORNIA

Linda H. Hicks

Linda H. Hicks
Supervisor of Contracts

**1993 PLAN OF DEVELOPMENT
LAGUNA DEEP 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

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Submitted this 23rd day of March, 1993.

Sincerely,

UNION OIL COMPANY OF CALIFORNIA

Linda H. Hicks

Linda H. Hicks
Supervisor of Contracts

UNION OIL CO OF CAL

LAGUNA DEEP FEDERAL

WELL#4

State	Dist	County	Location
NM(30)	2	025 LEA	26B 19S 33E

API #	Field (#8030435)				Reservoir	
30-025-30695	GEM EAST (MORROW)				MORROW	
Month	Oil bbls	Cum Oil bbls	Gas mcf	Cum Gas mcf	Water bbls	No.of Wells
January	72	2546	3341	111935	1055	1
February	87	2633	4525	116460	905	1
March	112	2745	3585	120045	1086	1
April	47	2792	4301	124346	1010	1
May	0	2792	1318	125664	110	1
June	0	2792	0	125664	0	1
July	0	2792	63	125727	16	1
August	0	2792	65	125792	20	1
September	5	2797	64	125856	0	1
October	0	2797	113	125969	0	1
November	0	2797	177	126146	2	1
Total 1992	323	2797	17553	126146	4204	1
			17753	126347		

UNION OIL CO OF CAL

LAGUNA DEEP FEDERAL

WELL#2

State	Dist	County	Location
NM(30)	2	025 LEA	26N 19S 33E

API #	Field (#8030435)				Reservoir	
30-025-26440	GEM EAST (MORROW)				MORROW	
Month	Oil bbls	Cum Oil bbls	Gas mcf	Cum Gas mcf	Water bbls	No.of Wells
January	25	17945	2735	608968	187	1
February	27	17972	3005	611973	176	1
March	30	18002	3380	615353	164	1
April	33	18035	2866	618219	148	1
May	36	18071	3093	621312	143	1
June	22	18093	3378	624690	131	1
July	30	18123	3279	627969	147	1
August	36	18159	3075	631044	93	1
September	34	18193	3300	634344	90	1
October	32	18225	3022	637366	160	1
November	39	18264	3083	640449	148	1
December	27	18291	3372	640449	58	1
Total 1992	371	18291	34216	640449	1645	1
			37588	643821		

UNION OIL CO OF CAL

LAGUNA DEEP FEDERAL

WELL#1

State	Dist	County	Location
NM(30)	2	025 LEA	35G 19S 33E

API #	Field (#8030435)				Reservoir	
30-025-25886	GEM EAST (MORROW)				PM	MORROW
Month	Oil bbls	Cum Oil bbls	Gas mcf	Cum Gas mcf	Water bbls	No. of Wells
January	161	181475	14181	2950374	5	1
February	153	181628	13097	2963471	6	1
March	167	181795	13509	2976980	5	1
April	89	181884	7943	2984923	12	1
May	163	182047	15446	3000369	0	1
June	139	182186	15016	3015385	7	1
July	116	182302	15146	3030531	5	1
August	114	182416	15139	3045670	0	1
September	100	182516	14394	3060064	0	1
October	111	182627	14335	3074399	4	1
November	116	182743	13347	3087746	7	1
December	58	182801	12538	3087746	4	1
Total 1992	1487	182801	151553 164091	3087746 3100284	55	1

UNION OIL CO OF CAL

LAGUNA DEEP FEDERAL

WELL#3

Ident. #	State	Dist	County	Location
19S33E35N00PM NM(30)	2	025 LEA	35N 19S 33E	

API #	Field (#8030435)				Reservoir	
30-025-27152	GEM EAST (MORROW)				MORROW	
Month	Oil bbls	Cum Oil bbls	Gas mcf	Cum Gas mcf	Water bbls	No. of Wells
January	314	158149	13442	2083184	0	1
February	272	158421	12366	2095550	0	1
March	278	158699	12318	2107868	0	1
April	232	158931	11196	2119064	6	1
May	210	159141	10683	2129747	0	1
June	184	159325	9669	2139416	0	1
July	161	159486	8916	2148332	0	1
August	148	159634	8096	2156428	0	1
September	122	159756	6921	2163349	0	1
October	77	159833	4735	2168084	0	1
November	110	159943	6128	2174212	0	1
December	40	159983	4440 N/A	2174212	0	1
Total 1992	2148	159983	104470 108910	2174212 2178652	6	1

10000



(MCF/DAY)

(COUNT)

SYSTEM

011

SVB

UNOCAL

1988: 1 AGINA DEEP FEDERAL #1

Field: GEM EAST (MORROW)

County: LEA NM

Operator: UNION OIL CO OF CAL

Retrieval Code: 250, 025, 19S33E35600PM

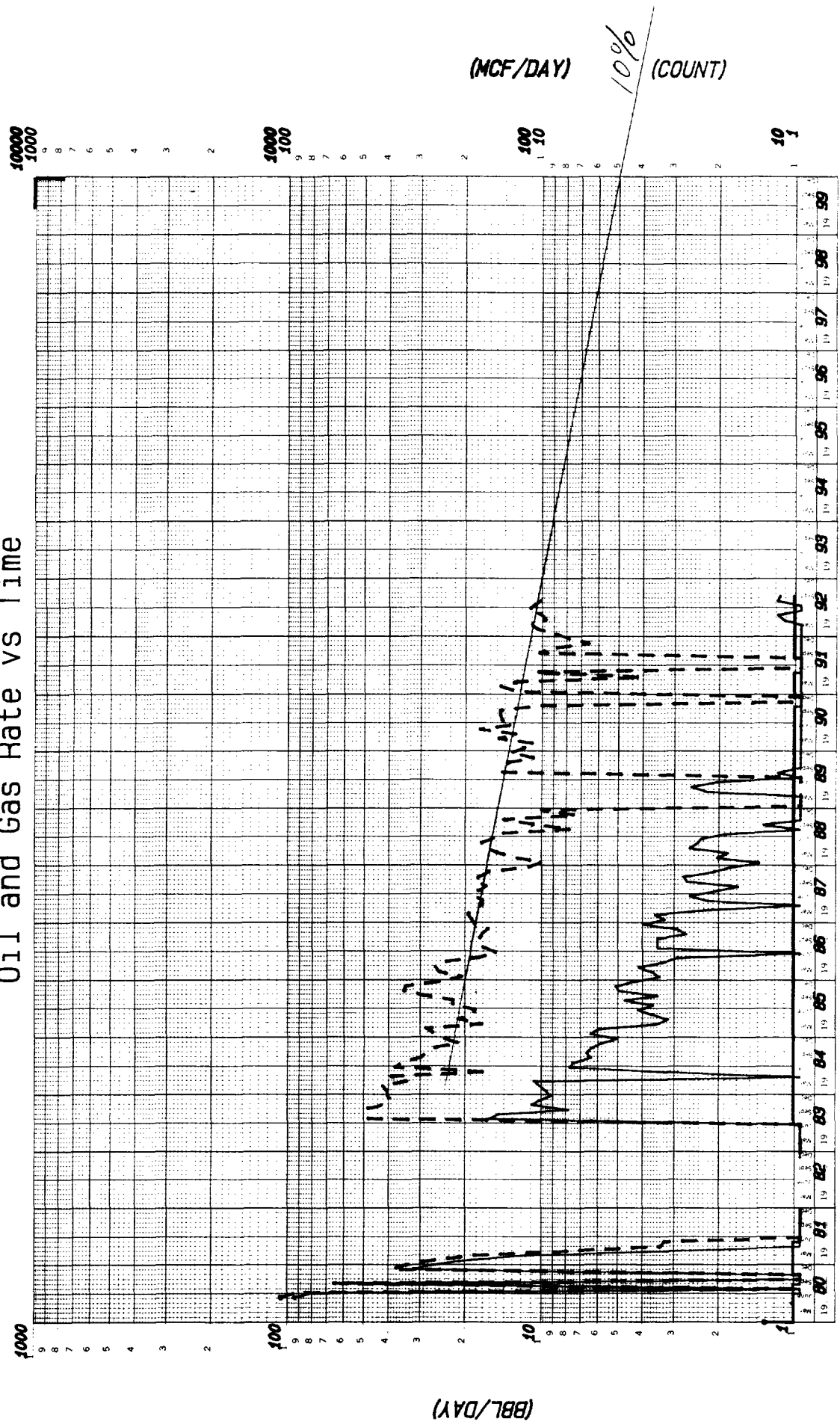
MD

Date: 01-22-93

Cumulative Bo : 182516

Cumulative Mcf: 3060064

Oil and Gas Rate vs Time



LEGEND	
WELLS	—
OIL	---
GAS	----

UNOCAL 75		ANDREWS DISTRICT
Lease:	LAGUNA DEEP FEDERAL # 2	
Field:	GEN EAST (MORROW)	
County:	LEA	NM
Operator:	UNION OIL CO OF CAL	
Retrieval Code:	250, 025, 19S33E26N00PM	

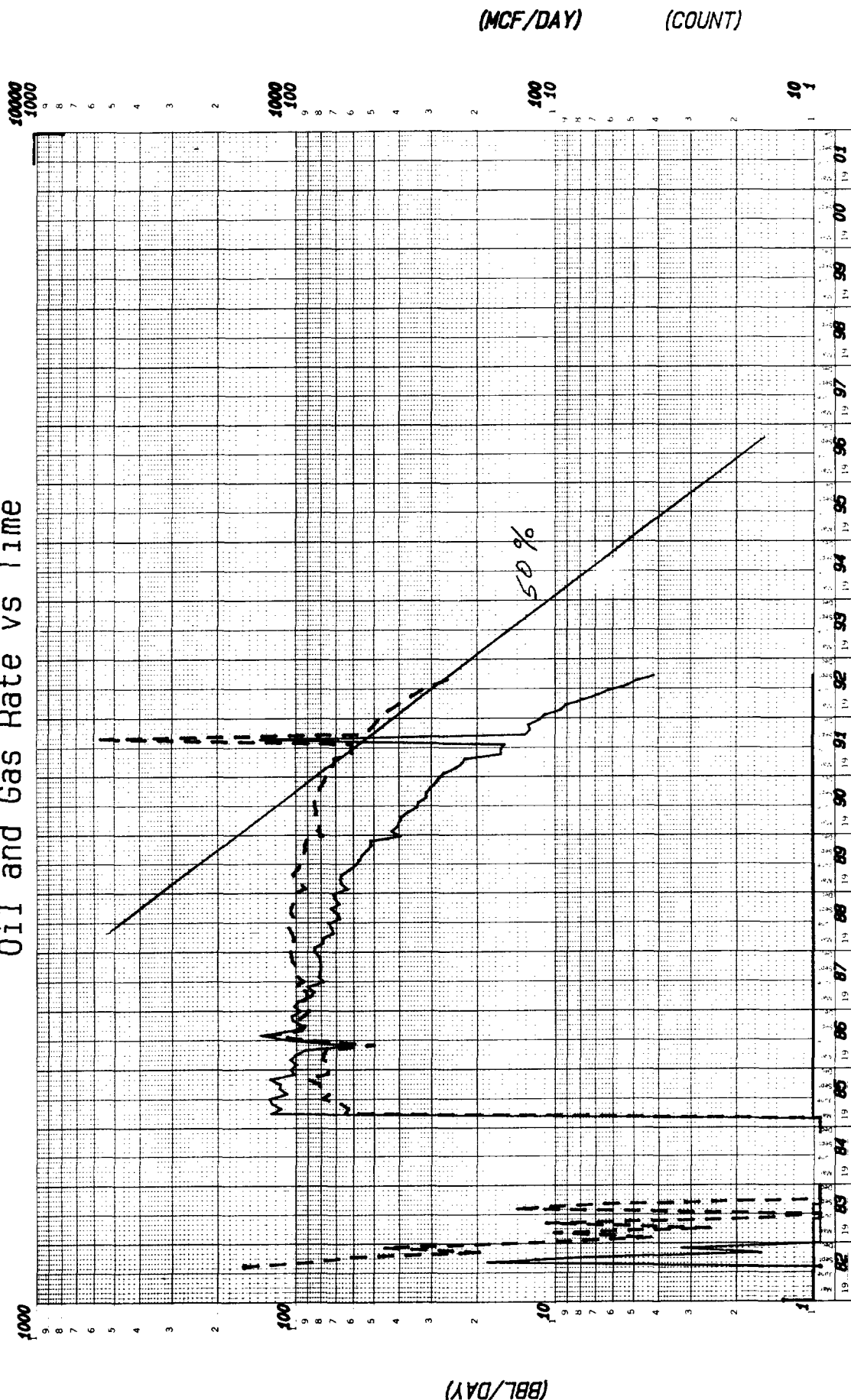
PM

Date: 01-22-93

Cumulative Bo : 18193

Cumulative Mcf: 634344

Oil and Gas Rate vs Time



UNOCAL		ANDREWS DISTRICT	
Lease: LAGUNA DEEP FEDERAL		# 3	
Field: GEM EAST (MORROW)			
County: LEA		NM	
Operator: UNION OIL CO OF CAL			
Retrieval Code: 250, 025, 19S33E35N00PM			

LEGEND

WELLS —

OIL - -

GAS - . -

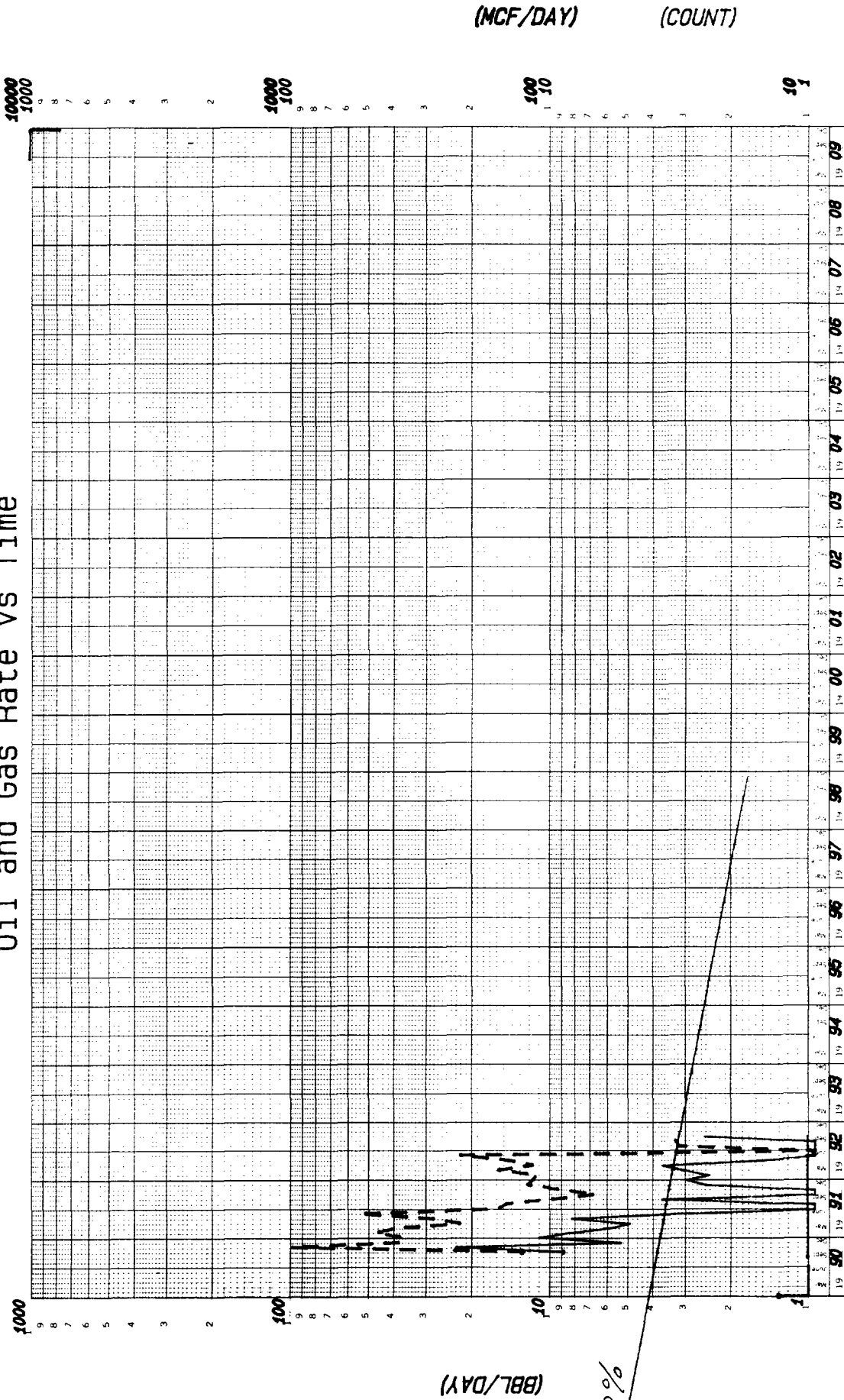
PM

Date: 01-22-93

Cumulative Bo : 188756

Cumulative Mcf: 2163349

Oil and Gas Rate vs Time



UNOCAL 76		ANDREWS DISTRICT	
		#4	
Lease:	LAGUNA DEEP FEDERAL		
Field:	6EM EAST (MORROW)		
County:	LEA	NM	
Operator:	UNION OIL CO OF CAL		
Retrieval Code:	250, 025, 19533E26800PM		

LEGEND	
WELLS	—
OIL	—
GAS	- - -

PM

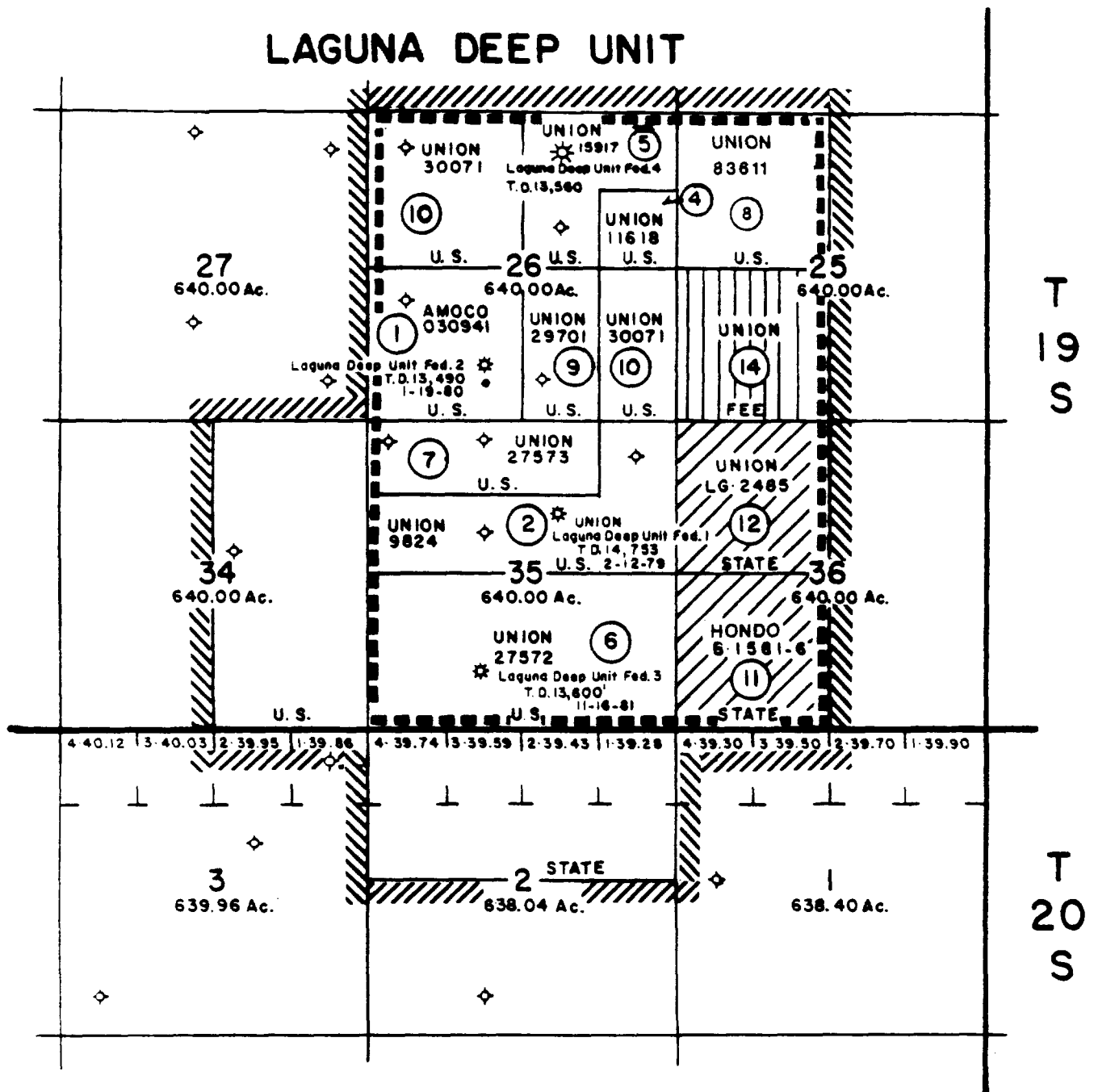
Date: 01-22-93

Cumulative Bo : 2797

Cumulative Mcf: 125866

R 33 E

LAGUNA DEEP UNIT








	ORIGINAL UNIT BOUNDARY		
	REVISED UNIT BOUNDARY & PARTICIPATING AREA		
	FEDERAL	1440.00 Ac.	75.00000 %
	STATE	320.00 Ac.	16.66667 %
	FEE	160.00 Ac.	8.33333 %
		1920.00 Ac.	100.00000 %

EXHIBIT "A" - (REVISED)

LAGUNA DEEP UNIT

(AS CONTRACTED EFFECTIVE FEBRUARY 9, 1984)

LEA COUNTY, NEW MEXICO



① TRACT NUMBER- EXHIBIT "B"

REVISED EXHIBIT "B" - LAGUNA DEEP UNIT, LEA COUNTY, NEW MEXICO, T-19-S, R-33-E - AS CONTRACTED EFFECTIVE 2/9/84

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	SERIAL NO. & EXPIRATION DATE OF LEASE	BASIC ROYALTY AND OWNERSHIP PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY AND PERCENTAGE	WORKING INTEREST AND PERCENTAGE
<u>FEDERAL LAND</u>							
1	SEC. 26: SW/4	160.00	NM-030941 HRP	U.S.A. (12.50%)	AMOCO PRODUCTION COMPANY	VIRGINIA WILLIS HESS, PERSONAL REPRESENTATIVE OF THE ESTATE OF EUGENIA W. BATE, DEC'D 1 1/2% OF 8/8 R. M. HESS & VIRGINIA W. HESS, TRUSTEES UNDER AGREEMENT DATED 4/10/72 1% OF 8/8 ELIZABETH W. CHRISTENSEN AND HUSBAND, DON T. CHRISTENSEN 1 1/2% OF 8/8 WINIFRED T. SEATON 1 1/2% OF 8/8 JO ANN W. LIGHT & HUSBAND ROBERT S. LIGHT 1 1/2% OF 8/8	AMOCO PRODUCTION COMPANY - 100%
2	SEC. 35: NE/4 NE/4, S/2 N/2	200.00	NM-9824 7/31/79	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	W. FEICK, JR. & WIFE, JOAN W. FEICK \$750/ACRE PPI OUT OF 5%	UNION OIL COMPANY OF CALIFORNIA - 100%
4	SEC. 26: SE/4 NE/4	40.00	NM-11618 4/30/90	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	CALVIN A. MITCHELL & WIFE, EVELYN MITCHELL 4% LEO POLLACK 1/4% M. A. SCHOFMAN	UNION OIL COMPANY OF CALIFORNIA - 100%
5	SEC. 26: N/2 NE/4, SW/4 NE/4	120.00	NM-15917 6/30/82	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	GIVEN P. TAYLOR & HUSBAND, CHARLES G. TAYLOR, AND CARL A. NILSEN & WIFE, GEORGEANNE NILSEN 5%	UNION OIL COMPANY OF CALIFORNIA - 100%

3/4%

REVISED EXHIBIT "B" - LAGUNA DEEP UNIT, LEA COUNTY, NEW MEXICO, T-19-S, R-33-E - AS CONTRACTED EFFECTIVE 2/9/84

SECTION OF	NUMBER OF ACRES	SERIAL NO. & EXPIRATION DATE OF LEASE	BASIC ROYALTY AND OWNERSHIP PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY AND PERCENTAGE	WORKING INTEREST AND PERCENTAGE
S/2	320.00	NM-27572 5/31/83	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	BAKERSFIELD INVESTMENT TRUST, LUCILLE WILSON, TRUSTEE 2 1/2% BANK OF AMERICA, NT&SA, AS TRUSTEE OF THE CHARLES E. STRANGE 1976 TRUST #1 1 1/2% OF 8/8 C. E. STRANGE & WIFE, SHERIE R. STRANGE 1% OF 8/8	UNION OIL COMPANY OF CALIFORNIA - 100%
NW/4 NE/4, N/2 NW/4	120.00	NM-27573 11/30/78	U.S.A. (SCHEDULE "B")	UNION OIL COMPANY OF CALIFORNIA	NONE	UNION OIL COMPANY OF CALIFORNIA - 100%
NW/4	160.00	NM-83611 3/31/95	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	NONE	UNION OIL COMPANY OF CALIFORNIA - 100%
W/2 SE/4	80.00	NM-29701 2/28/82	U.S.A. (SCHEDULE "B")	UNION OIL COMPANY OF CALIFORNIA	NONE	UNION OIL COMPANY OF CALIFORNIA - 100%
NW/4, E/2 SE/4	240.00	NM-30071 4/30/87	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	CAROL L. TEIGEN & THEODORE H. TEIGEN, JR. 5%	UNION OIL COMPANY OF CALIFORNIA - 100%

DERAL TRACTS 1440.00 ACRES OR 75.00000% OF UNIT AREA.

Q STATE LAND

SW/4	160.00	B-1581-6 HBP	STATE OF NEW MEXICO (12.50%)	HONDO OIL & GAS COMPANY	NONE	HONDO OIL & GAS COMPANY
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REVISED EXHIBIT "B" - LAGUNA DEEP UNIT, LEA COUNTY, NEW MEXICO, T-19-S, R-33-E - AS CONTRACTED EFFECTIVE 2/9/84

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	SERIAL NO. & EXPIRATION DATE OF LEASE	BASIC ROYALTY AND OWNERSHIP PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY AND PERCENTAGE	WORKING INTEREST AND PERCENTAGE
12	SEC. 36: NW/4	160.00	LG-2485 1/1/85	STATE OF NEW MEXICO (12.50%)	UNION OIL COMPANY OF CALIFORNIA	NONE	UNION OIL COMPANY OF CALIFORNIA - 100%

2 STATE TRACTS 320.00 ACRES OR 16.66667% OF UNIT AREA.

PATENTED LAND

14	SEC. 25: SW/4	160.00	12/20/77* 12/20/80*	MARK SMITH & WIFE, ANNIE LORA SMITH; KENNETH MARK SMITH & WIFE, PATSY LOU SMITH; WILLIAM C. SMITH & WIFE, NANCY JEAN SMITH; LORA NELL GLENN & HUSBAND, WILLIAM JEFF GLENN (18.75%)	UNION OIL COMPANY OF CALIFORNIA	NONE	UNION OIL COMPANY OF CALIFORNIA - 100%
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1 PATENTED TRACT 160.00 ACRES OR 8.33333% OF UNIT AREA.

TOTAL: 12 TRACTS 1920.00 ACRES IN ENTIRE UNIT AREA

*LEASE HAS BEEN RENEWED BY OIL AND GAS LEASE DATED JUNE 4, 1977, RECORDED IN VOL. 304, PAGE 260 OF THE RECORDS OF LEA COUNTY, NEW MEXICO.
PRIMARY TERM IS STATED AS BEING 3 YEARS FROM 12/20/77.



JIM BACA
COMMISSIONER

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

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

SLO REF NO. OG-1285

April 2, 1993

UNOCAL
P.O. Box 3100
Midland, Texas 79702

Attn: Ms. Linda H. Hicks

Re: 1993 Plan of Development
Laguna Deep 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

#6182

OIL CONSERVATION DIVISION
RECEIVED

UNOCAL 

'92 MAR 30 AM 9 54

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
Laguna Deep Unit Area
Lea County, New Mexico
Laguna Deep Prospect (7729)

Gentlemen:

Please find enclosed for your approval two (2) copies of Union's 1992 Plan of Development for the Laguna Deep 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
LAGUNA DEEP 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 Laguna Deep Unit Area, pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No. 14-08-0001-8496), respectfully submits for approval this 1992 Plan of Development for the Laguna Deep Unit Area. This Plan is for the period ending December 31, 1992.

SUMMARY OF 1991 OPERATIONS

There were no new wells or recompletions in 1991.

Production for 1991 is summarized below.

<u>WELL NO.</u>	<u>COMPLETED INTERVAL</u>	<u>1991 PRODUCTION</u> <u>MCFPD + BC</u>	<u>CURRENT RATE</u> <u>MCFPD + BCPD</u>
Laguna Deep #1	Middle Morrow	192.144 + 2971	467 + 5
Laguna Deep #2	Middle Morrow	21.522 + 60	77 + 1*
Laguna Deep #3	Middle Morrow	219.039 + 6179	473 + 11
Laguna Deep #4	Lower/Middle Morrow	52.955 + 1026	115 + 3

*SI periodically to build up pressure.

PLAN OF DEVELOPMENT FOR 1992

Union has no plans to drill any new wells or recomplete any existing wells at this time.

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 23 day of March, 1992.

Sincerely,

UNION OIL COMPANY OF CALIFORNIA

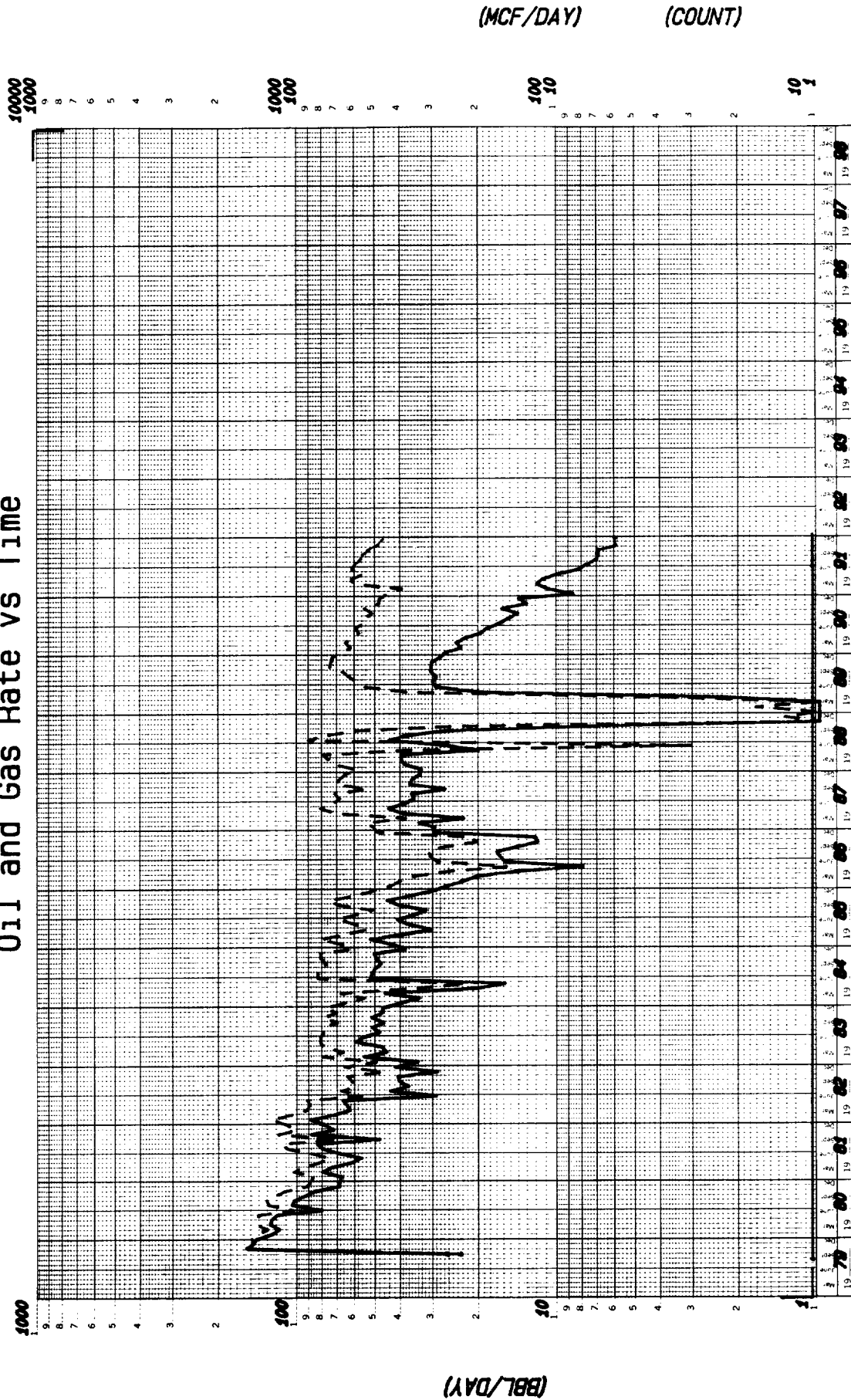
Linda H. Hicks

Linda H. Hicks
Supervisor of Contracts

LHH/jb

HICKS/PDLAGUNA

Oil and Gas Rate vs Time

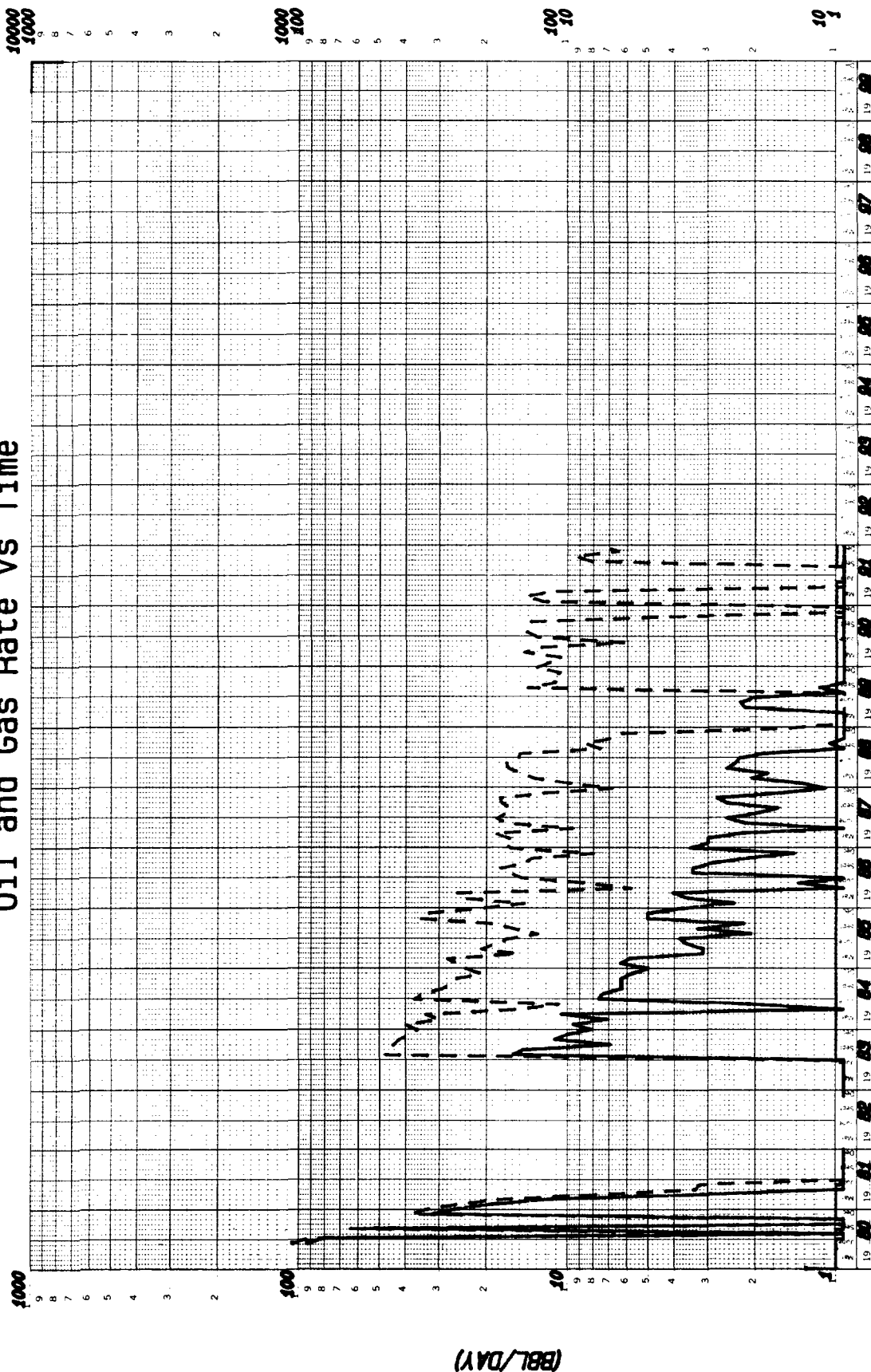



UNOCAL		ANDREWS DISTRICT
Lease:	LAGUNA DEEP FEDERAL #1	
Field:	GEN EAST (MORRON)	
County:	LEA NM	
Operator:	UNION OIL CO OF CAL	
Retrieval Code:	250, 025, 19S33E35G00PM	

LEGEND	
WELLS	—
OIL	—
GAS	- - -

PM
Date: 02-14-92
Cumulative Bo : 180349
Cumulative Mcf: 2856341

Oil and Gas Rate vs Time



UNOCAL 		ANDREWS DISTRICT	
Lease:	LAGUNA DEEP FEDERAL	# 2	
Field:	GEN EAST (MORRON)		
County:	LEA	NM	
Operator:	UNION OIL CO OF CAL		
Retrieval Code:	250, 025, 19S33E26N00W		

LEGEND	
WELLS	—
OIL	—
GAS	- - -

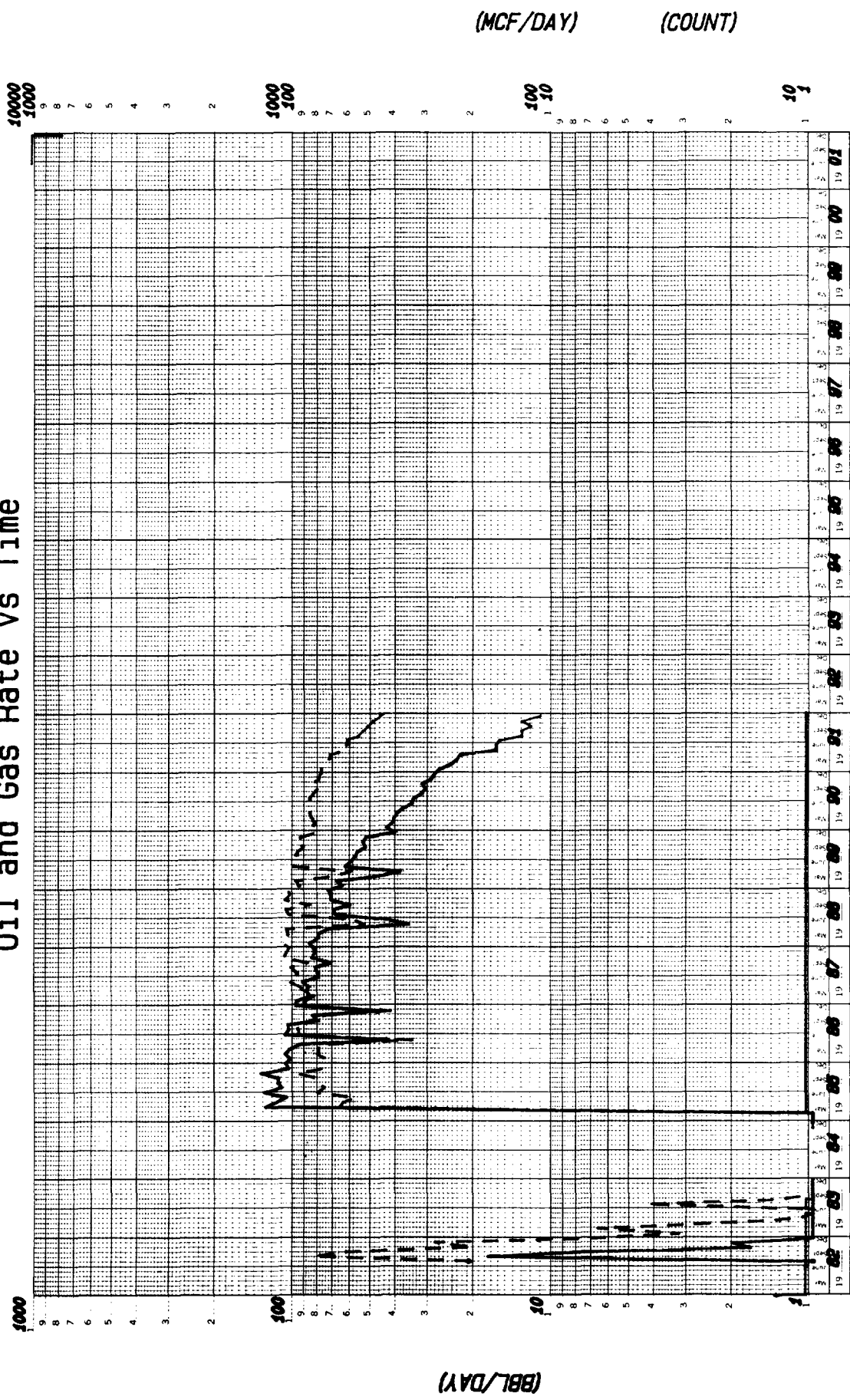
PH

Date: 02-17-92

Cumulative Bo : 17920

Cumulative Mcf: 606233

Oil and Gas Rate vs Time

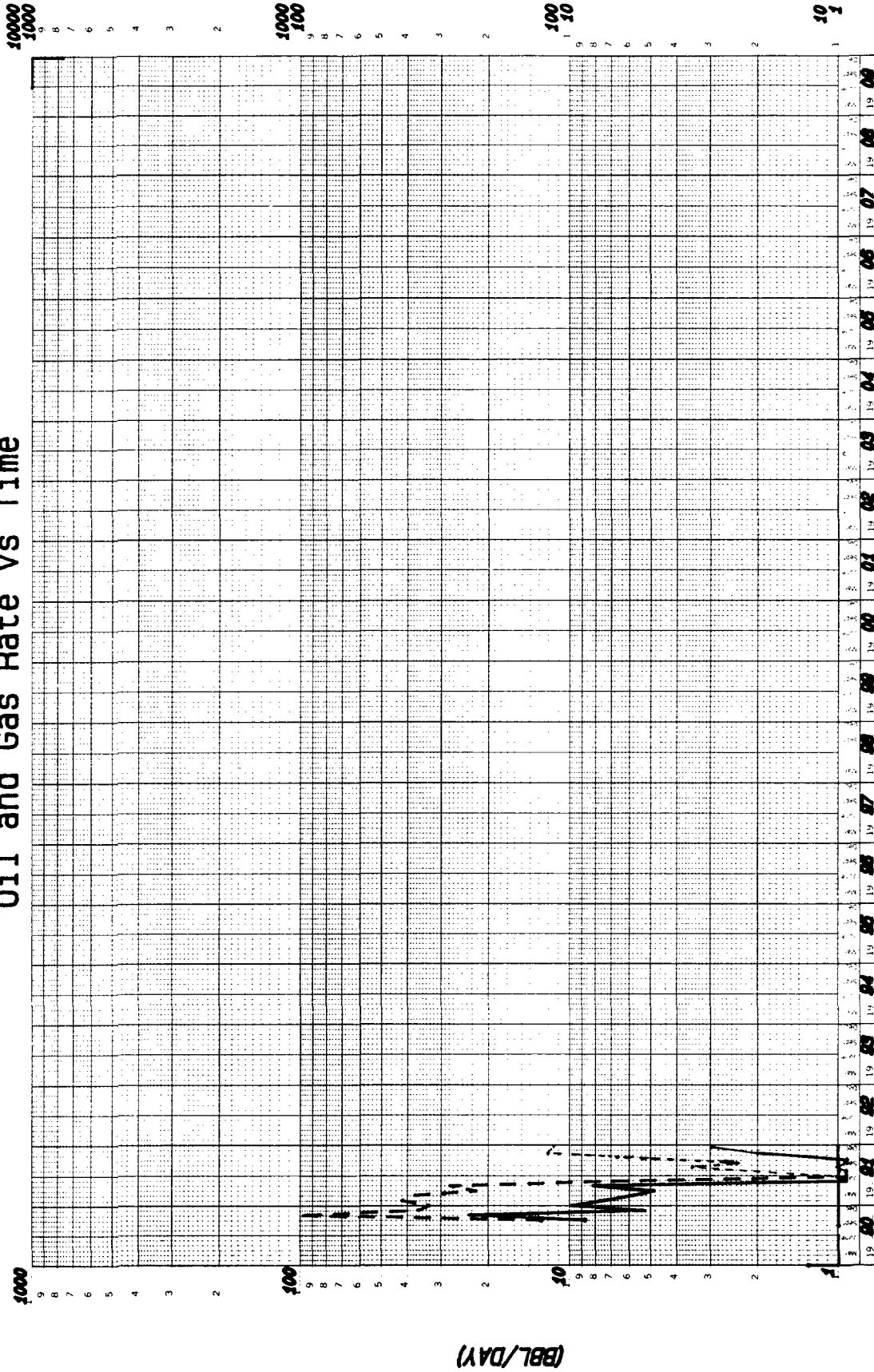


UNOCAL ANDREWS DISTRICT	
Lease: LAGUNA DEEP FEDERAL # 3	
Field:	GEN EAST (MORRON)
County:	LEA NM
Operator:	UNION OIL CO OF CAL
Retrieval Code:	250, 025, 19S33E35N00PM

LEGEND	
WELLS:	—
OIL	—
GAS	- - -

PM
 Date: 02-14-92
 Cumulative Bo : 155938
 Cumulative Mcf: 1991360

Oil and Gas Rate vs Time



UNOCAL		ANDREWS DISTRICT	
Lease: LAGUNA DEEP FEDERAL #4			
Field: GEN EAST (MORRON)	County: LEA NM		
Operator: UNION OIL CO OF CAL			
Retrieval Code: 250, 025, 19S33E26800PH			

LEGEND	
WELLS	—
OIL	—
GAS	- - -

PH Date: 02-14-92
Cumulative Bo : 2260
Cumulative Mcf: 97517

R 33 E

LAGUNA DEEP UNIT

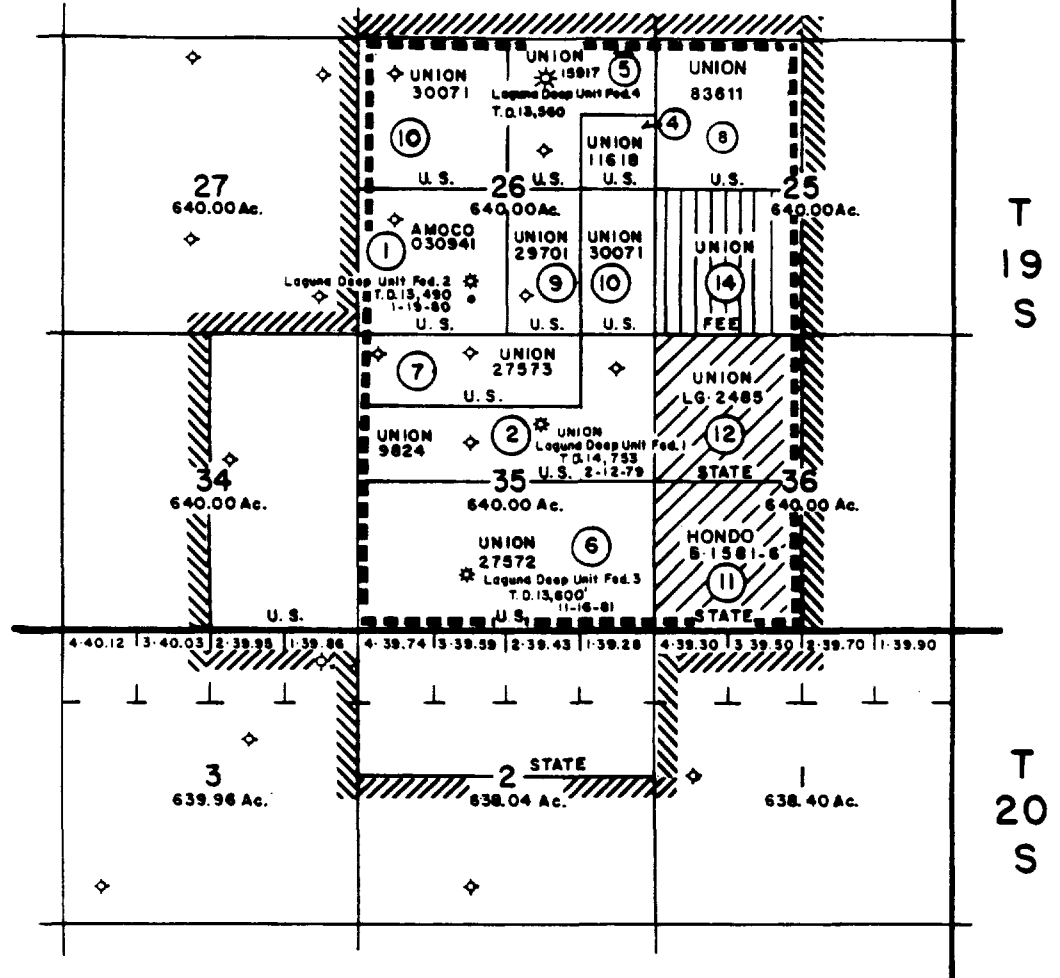


EXHIBIT "A" - (REVISED)

LAGUNA DEEP UNIT

(AS CONTRACTED EFFECTIVE FEBRUARY 9, 1984)

LEA COUNTY, NEW MEXICO



① TRACT NUMBER - EXHIBIT "B"

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

#6182

OIL CONSERVATION DIVISION
RECEIVED

UNOCAL 76

'91 MAR 5 AM 9 11

OK'd 3-6-91

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
Laguna Deep Unit Area
Lea County, New Mexico
Laguna Deep Prospect (7729)

Gentlemen:

Please find enclosed for your approval two copies of Union's
1991 Plan of Development for the Laguna Deep Unit Area.

Should you have any questions, please let me know.

Sincerely,

UNION OIL COMPANY OF CALIFORNIA
dba UNOCAL

Linda H. Hicks

Linda H. Hicks
Supervisor of Contracts

LHH/jb
Enclosures

1991 PLAN OF DEVELOPMENT
LAGUNA DEEP UNIT AREA
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 Laguna Deep Unit Area, pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No. 14-08-0001-8496), respectfully submits for approval this 1991 Plan of Development for the Laguna Deep Unit Area. This Plan is for the period ending December 31, 1991.

SUMMARY OF 1990 OPERATIONS

The Laguna Deep Federal Unit #4 well was completed in March 1990 and placed on production in September, 1990.

Production for the year is summarized below.

<u>WELL NO.</u>	<u>COMPLETED INTERVAL</u>	<u>1990 PRODUCTION</u> <u>MMCF + BC</u>	<u>CURRENT RATE</u> <u>MCFPD + BCPD</u>
Laguna Deep #1	Middle Morrow	200.6 + 6,569	465 + 14
Laguna Deep #2	Middle Morrow	35.2 + 87	100 + 0*
Laguna Deep #3	Middle Morrow	293.4 + 12,428	766 + 28
Laguna Deep #4	Lower/Middle Morrow	51.9 + 1,448	366 + 10

*SI periodically to build up pressure.

PLAN OF DEVELOPMENT FOR 1991

Union has no plans to drill any new wells or recompleate any existing wells at this time.

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 1st day of March, 1991.

Sincerely,

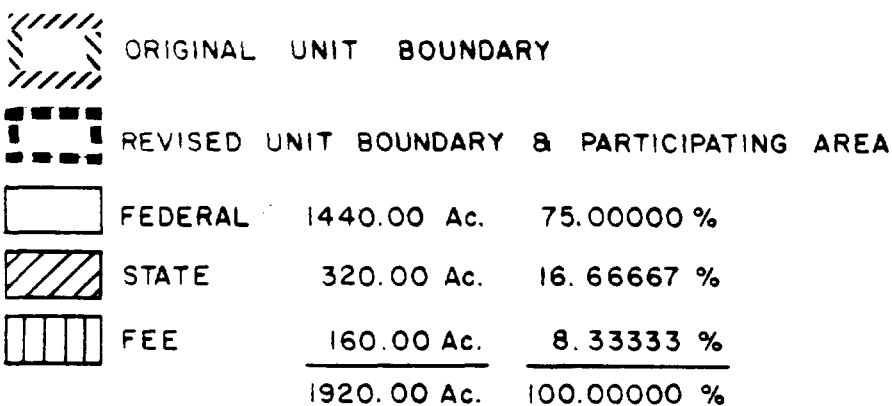
UNION OIL COMPANY OF CALIFORNIA

Linda H. Hicks

Linda H. Hicks
Supervisor of Contracts

LHH/jb

LAGUNA DEEP UNIT



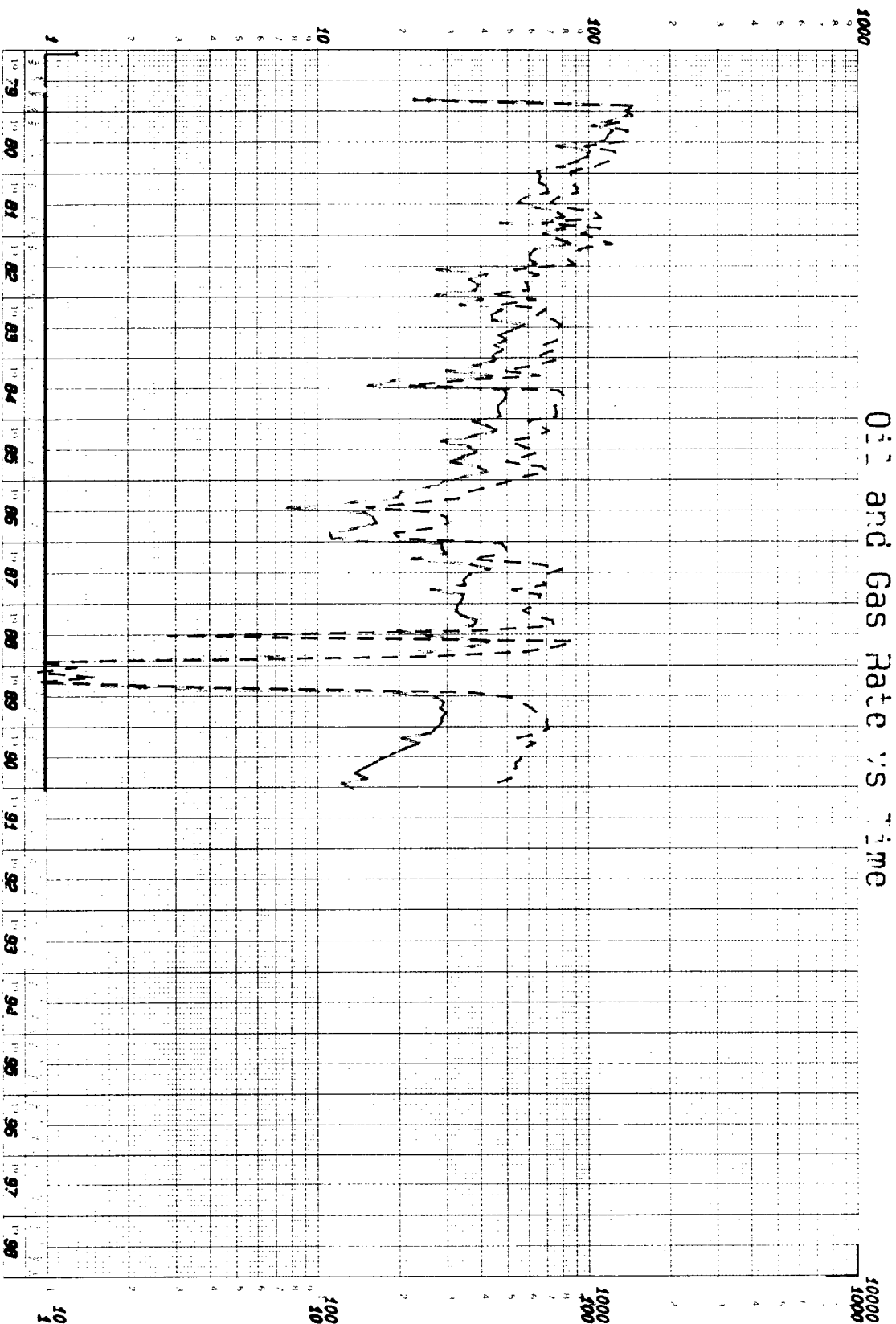
LAGUNA DEEP UNIT

LEA COUNTY, NEW MEXICO



① TRACT NUMBER- EXHIBIT "B"

(BBL/DAY)



(COUNT)

(MCF/DAY)

LEGEND

WELLS ———
OIL ———
GAS ———

UNOCAL



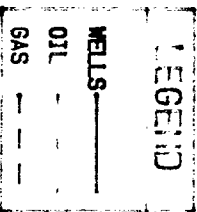
MIDLAND DISTRICT

Lease: LASANA DEEP FEDERAL #1
Field: GEN MORROW, EAST (GAS)
County: LEA NM
Operator: UNION OIL CO OF CAL
Retrieval Code: 250, 025, 1953363660094

PM

Date: 01-28-91
Cumulative BO: 176343
Cumulative MCF: 2744049

(BBL/DAY)



Lease: LAGUNA DEEP FEDERAL #3
Field: BEN MORROW, EAST (GAS)
County: LEA NM
Operator: UNION OIL CO OF CAL
Retrieval Code: 250, 025, 1983335N00PM

UNOCAL



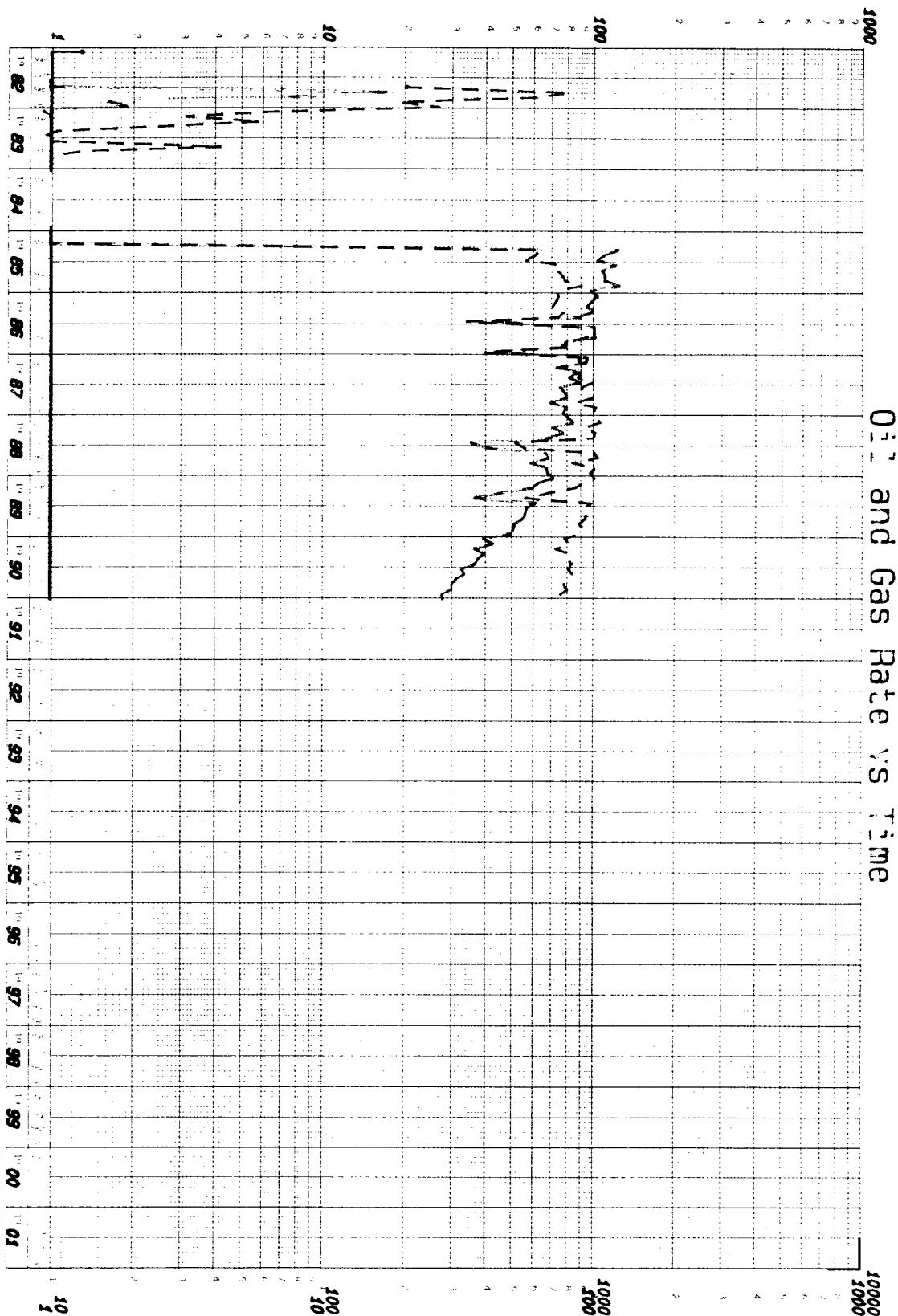
MIDLAND DISTRICT

PM

Date: 01-28-91

Cumulative Bo : 151656

Cumulative Mcf: 1850703



(COUNT)

(MCF/DAY)

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

'90 SEP 24 AM 9 53

UNOCAL 

Southwestern Region

September 20, 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: Laguna Deep Unit
Lea County, New Mexico
Union's Laguna Prospect (7729)

Gentlemen:

When this Unit was originally formed, the NW/4 Section 25-19S-33E (Tract 8) was not fully committed and therefore not held by the Unit. Tract 8 was within the boundary of the Morrow Participating Area but never received any tract participation factor. The lease subsequently expired.

The lease was offered for lease by the BLM and Union was the successful bidder. The BLM required that the successful bidder commit the lease to the Laguna Unit. The new lease, issued March 12, 1990 and effective April 1, 1990, is NM-83611. Enclosed please find the following relating to this new lease:

- 1) Ratification and Joinder to Laguna Unit.
- 2) BLM letter dated July 30, 1990.
- 3) BLM letter dated September 12 and two copies of revised Exhibits A, B, and C showing Tract 8 as fully participating as of April 1, 1990.

Please review at your earliest convenience.

Sincerely,

UNION OIL COMPANY OF CALIFORNIA
dba UNOCAL



Linda H. Hicks
Supervisor of Contracts

LHH/jb
Enclosures

RATIFICATION AND JOINDER
TO THE
LAGUNA DEEP UNIT AGREEMENT
DATED February 2, 1978
(effective June 22, 1978)
DESIGNATED NO. 14-08-0001-16905

KNOW ALL MEN BY THESE PRESENTS, THAT:

WHEREAS, certain instruments entitled Unit Agreement for the Development and Operation of the Laguna Deep Unit Area, Lea County, New Mexico, and Unit Operating Agreement, Laguna Deep Unit, Lea County, New Mexico, have been executed by various persons conducting operations with respect to the Laguna Deep Unit, located in Lea County, New Mexico, as more particularly described in said Agreement; and

WHEREAS, the undersigned, on March 20, 1978, did execute the aforesaid Laguna Deep Unit Agreement and Unit Operating Agreement, and agree to be bound by the terms thereof; and

WHEREAS, the undersigned will be the lessee of record in Oil and Gas Lease NM-83611 when said lease is issued; and

WHEREAS, Oil and Gas Lease NM-83611, when issued, will cover lands described as:

Township 19 South, Range 33 East, N.M.P.M., Lea County Mexico
Section 25: NW/4

which lands are included in the Laguna Deep Unit Area.

NOW, THEREFORE, the undersigned, as lessee of record in Oil and Gas Lease NM-83611, when said lease is issued, does hereby commit said lease to the Laguna Deep Unit Agreement as Tract No. 8 therein, and Union Oil Company of California, as Unit Operator, does hereby consent to said commitment.

This instrument to be effective as of the date of issuance of Oil and Gas Lease NM-83611.

Date: February 5, 1990
Address: P. O. Box 3100
Midland, Texas 79702

UNION OIL COMPANY OF CALIFORNIA
By *John Hansen*
Attorney-in-Fact

As Lessee of Record and Unit Operator

STATE OF TEXAS }

COUNTY OF MIDLAND }

The foregoing instrument was acknowledged before me this 5th day of February, 1990, by JOHN HANSEN, Attorney-in-Fact of UNION OIL COMPANY OF CALIFORNIA, a California corporation, on behalf of said corporation.

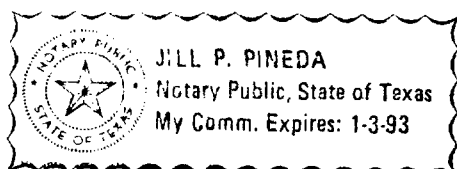
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year above written.

My Commission Expires

1-3-93

Jill P. Pineda
Notary Public

Jill P. Pineda
Printed Name of Notary





United States Department of the Interior
BUREAU OF LAND MANAGEMENT

Roswell District Office
P.O. Box 1397
Roswell, New Mexico 88202-1397



IN REPLY
REFER TO:
3180 (065)

RECEIVED

JUL 31 1990

SOUTHWESTERN REGION LAND

Union Oil Company of California
Attention: Linda H. Hicks
P.O. Box 3100
Midland, Texas 79702

JUL 30 1990

Re: Laguna Deep Unit
Federal Lease NM-83611

Dear Ms. Hicks:

This office is in receipt of your letter of February 20, 1990, with three copies of ratification and joinder to the Laguna Deep Unit Agreement, Lea County, New Mexico. This ratification and joinder concerns the above referenced lease of which Union Oil Company of California was the successful bidder. Such instrument is dated February 5, 1990, and is executed by Union Oil Company of California as lessee of record and unit operator.

Federal lease NM-83611 was issued March 12, 1990, and was effective as of April 1, 1990. In view of such, this ratification is hereby accepted and fully commits Federal lease NM-83611 to the Laguna Deep Unit Agreement effective as of April 1, 1990.

Please submit exhibits for a revised Morrow Participating Area allocating production to this tract at your earliest convenience.

If you have any questions, please contact the Branch of Fluid Minerals or Jerry Dutchover at (505) 622-9042.

Sincerely,

Joe G. Lara
Assistant District Manager,
Minerals



United States Department of the Interior
BUREAU OF LAND MANAGEMENT

Roswell District Office
P.O. Box 1397
Roswell, New Mexico 88202-1397



IN REPLY
REFER TO:

3180 (065)

Union Oil Company of California
Attention: Linda H. Hicks
P.O. Box 3100
Midland, Texas 79702

Re: Laguna Deep Unit
Federal Lease NM-83611

SEP 12 1990

RECEIVED

SEP 14 1990

SOUTHWESTERN REGION LAND

Dear Ms. Hicks:

This office is in receipt of your letter of February 20, 1990, with three copies of ratification and joinder to the Laguna Deep Unit Agreement, Lea County, New Mexico. This ratification and joinder concerns the above referenced lease of which Union Oil Company of California was the successful bidder. Such instrument is dated February 5, 1990, and is executed by Union Oil Company of California as lessee of record and unit operator.

Federal lease NM-83611 was issued March 12, 1990, and was effective as of April 1, 1990. In view of such, this ratification is hereby accepted and fully commits Federal lease NM-83611 to the Laguna Deep Unit Agreement effective as of April 1, 1990.

This office is also in receipt of your letter of August 16, 1990, enclosing Revised Exhibits A, B, and C which describe Tract 8 as NM 83611 and as fully participating effective April 1, 1990. These exhibits were requested by this office by letter of July 30, 1990. These documents are hereby accepted for record and approved effective as of April 1, 1990. Please notify all interested principals of this approval.

If you have any questions, please contact the Branch of Fluid Minerals or Jerry Dutchover at (505) 622-9042.

Sincerely,

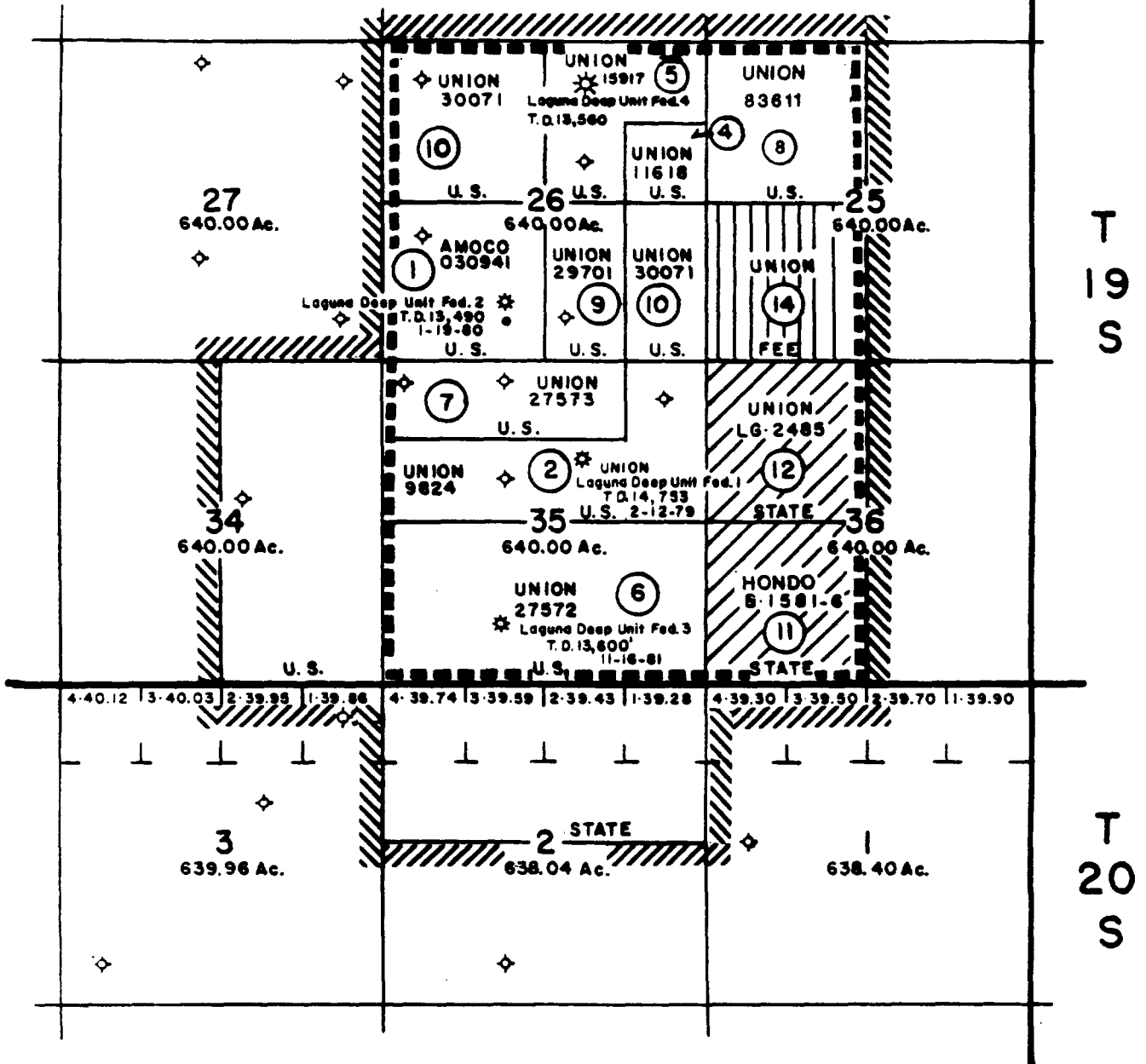
Joe G. Lara
Assistant District Manager,
Minerals

1 Enclosure:

1 - Approved copy of revised Exhibits

R 33 E

LAGUNA DEEP UNIT



	ORIGINAL UNIT BOUNDARY
	REVISED UNIT BOUNDARY & PARTICIPATING AREA
	FEDERAL 1440.00 Ac. 75.00000 %
	STATE 320.00 Ac. 16.66667 %
	FEE 160.00 Ac. 8.33333 %
	<u>1920.00 Ac. 100.00000 %</u>

EXHIBIT "A"-(REVISED)

LAGUNA DEEP UNIT

(AS CONTRACTED EFFECTIVE FEBRUARY 9, 1984)

LEA COUNTY, NEW MEXICO



① TRACT NUMBER-EXHIBIT "B"

REVISED EXHIBIT "B" - LAGUNA DEEP UNIT, LEA COUNTY, NEW MEXICO, T-19-S, R-33-E - AS CONTRACTED EFFECTIVE 2/9/84

<u>TRACT NO.</u>	<u>DESCRIPTION OF LAND</u>	<u>NUMBER OF ACRES</u>	<u>SERIAL NO. & EXPIRATION DATE OF LEASE</u>	<u>BASIC ROYALTY AND OWNERSHIP PERCENTAGE</u>	<u>LESSEE OF RECORD</u>	<u>OVERRIDING ROYALTY AND PERCENTAGE</u>	<u>WORKING INTEREST AND PERCENTAGE</u>
<u>FEDERAL LAND</u>							
1	SEC. 26: SW/4	160.00	NM-030941 HBP	U.S.A. (12.50%)	AMOCO PRODUCTION COMPANY	VIRGINIA WILLIS HESS, PERSONAL REPRESENTATIVE OF THE ESTATE OF EUGENIA W. BATE, DEC'D 1 1/2% OF 8/8 R. M. HESS & VIRGINIA W. HESS, TRUSTEES UNDER AGREEMENT DATED 4/10/72 1% OF 8/8 ELIZABETH W. CHRISTENSEN AND HUSBAND, DON T. CHRISTENSEN 1/2% OF 8/8 WINIFRED T. SEATON 1/2% OF 8/8 JO ANN W. LIGHT & HUSBAND ROBERT S. LIGHT 1/2% OF 8/8	AMOCO PRODUCTION COMPANY - 100%
2	SEC. 35: NE/4 NE/4, S/2 N/2	200.00	NM-9824 7/31/79	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	W. FEICK, JR. & WIFE, JOAN W. FEICK \$750/ACRE PPI OUT OF 5%	UNION OIL COMPANY OF CALIFORNIA - 100%
4	SEC. 26: SE/4 NE/4	40.00	NM-11618 4/30/90	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	CALVIN A. MITCHELL & WIFE, EVELYN MITCHELL 4% LEO POLLACK 1/4% M. A. SCHOFMAN	UNION OIL COMPANY OF CALIFORNIA - 100%
5	SEC. 26: N/2 NE/4, SW/4 NE/4	120.00	NM-15917 6/30/82	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	3/4% GIVEN P. TAYLOR & HUSBAND, CHARLES G. TAYLOR, AND CARL A. NILSEN & WIFE, GEORGEANNE NILSEN 5%	UNION OIL COMPANY OF CALIFORNIA - 100%

REVISED EXHIBIT "B" - LAGUNA DEEP UNIT, LEA COUNTY, NEW MEXICO, T-19-S, R-33-E - AS CONTRACTED EFFECTIVE 2/9/84

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	SERIAL NO. & EXPIRATION DATE OF LEASE	BASIC ROYALTY AND OWNERSHIP PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY AND PERCENTAGE	WORKING INTEREST AND PERCENTAGE
6	SEC. 35: S/2	320.00	NM-27572 5/31/83	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	BAKERSFIELD INVESTMENT TRUST, LUCILLE WILSON, TRUSTEE 2 1/2% BANK OF AMERICA, NT&SA, AS TRUSTEE OF THE CHARLES E. STRANGE 1976 TRUST #1 1 1/2% OF 8/8 C. E. STRANGE & WIFE, SHERRIE R. STRANGE 1% OF 8/8	UNION OIL COMPANY OF CALIFORNIA - 100%
7	SEC. 35: NW/4 NE/4, N/2 NW/4	120.00	NM-27573 11/30/78	U.S.A. (SCHEDULE "B")	UNION OIL COMPANY OF CALIFORNIA	NONE	UNION OIL COMPANY OF CALIFORNIA - 100%
8	SEC. 25: NW/4	160.00	NM-83611 3/31/95	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	NONE	UNION OIL COMPANY OF CALIFORNIA - 100%
9	SEC. 26: W/2 SE/4	80.00	NM-29701 2/28/82	U.S.A. (SCHEDULE "B")	UNION OIL COMPANY OF CALIFORNIA	NONE	UNION OIL COMPANY OF CALIFORNIA - 100%
10	SEC. 26: NW/4, E/2 SE/4	240.00	NM-30071 4/30/87	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	CAROL L. TEIGEN & THEODORE H. TEIGEN, JR. 5%	UNION OIL COMPANY OF CALIFORNIA - 100%
9 FEDERAL TRACTS 1440.00 ACRES OR 75.000000% OF UNIT AREA.							
<u>NEW MEXICO STATE LAND</u>							
11	SEC. 36: SW/4	160.00	B-1581-6 HBP	STATE OF NEW MEXICO (12.50%)	HONDO OIL & GAS COMPANY	NONE	HONDO OIL & GAS COMPANY

REVISED EXHIBIT "B" - LAGUNA DEEP UNIT, LEA COUNTY, NEW MEXICO, T-19-S, R-33-E - AS CONTRACTED EFFECTIVE 2/9/84

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	SERIAL NO. & EXPIRATION DATE OF LEASE	BASIC ROYALTY AND OWNERSHIP PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY AND PERCENTAGE	WORKING INTEREST AND PERCENTAGE
12	SEC. 36: NW/4	160.00	LG-2485 1/1/85	STATE OF NEW MEXICO (12.50%)	UNION OIL COMPANY OF CALIFORNIA	NONE	UNION OIL COMPANY OF CALIFORNIA - 100%

2 STATE TRACTS 320.00 ACRES OR 16.66667% OF UNIT AREA.

PATENTED LAND

14	SEC. 25: SW/4	160.00	12/20/77* 12/20/80*	MARK SMITH & WIFE, ANNIE LORA SMITH; KENNETH MARK SMITH & WIFE, PATSY LOU SMITH; WILLIAM C. SMITH & WIFE, NANCY JEAN SMITH; LORA NELL GLENN & HUSBAND, WILLIAM JEFF GLENN (18.75%)	UNION OIL COMPANY OF CALIFORNIA	NONE	UNION OIL COMPANY OF CALIFORNIA - 100%
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1 PATENTED TRACT 160.00 ACRES OR 8.33333% OF UNIT AREA.

TOTAL: 12 TRACTS 1920.00 ACRES IN ENTIRE UNIT AREA

*LEASE HAS BEEN RENEWED BY OIL AND GAS LEASE DATED JUNE 4, 1977, RECORDED IN VOL. 304, PAGE 260 OF THE RECORDS OF LEA COUNTY, NEW MEXICO.
PRIMARY TERM IS STATED AS BEING 3 YEARS FROM 12/20/77.

EXHIBIT "C"
FIRST REVISION MORROW FORMATION
PARTICIPATING AREA
LAGUNA DEEP UNIT AGREEMENT
LEA COUNTY, NEW MEXICO

<u>TRACT NO.</u>	<u>LEASE NO. OR TYPE OF LAND</u>	<u>DESCRIPTION</u>	<u>PARTICIPATING ACRES</u>	<u>PERCENT OF PARTICIPATION</u>	<u>WORKING INTEREST OWNER</u>
		ALL LANDS ARE IN T-19-S, R-33-E, N.M.P.M.			
1	NM-030941 FEDERAL	SEC. 26: SW/4	160.00	8.33333	AMOCO PRODUCTION COMPANY
2	NM-9824 FEDERAL	SEC. 35: NE/4 NE/4, S/2 N/2	200.00	10.41667	UNION OIL COMPANY OF CALIFORNIA
4	NM-11618 FEDERAL	SEC. 26: SE/4 NE/4	40.00	2.08333	UNION OIL COMPANY OF CALIFORNIA
5	NM-15917 FEDERAL	SEC. 26: N/2 NE/4, SW/4 NE/4	120.00	6.25000	UNION OIL COMPANY OF CALIFORNIA
6	NM-27572 FEDERAL	SEC. 35: S/2	320.00	16.66667	UNION OIL COMPANY OF CALIFORNIA
7	NM-27573 FEDERAL	SEC. 35: NW/4 NE/4, N/2 NW/4	120.00	6.25000	UNION OIL COMPANY OF CALIFORNIA
8	NM-83611 FEDERAL	SEC. 25: NW/4	160.00	8.33333	UNION OIL COMPANY OF CALIFORNIA
9	NM-29701 FEDERAL	SEC. 26: W/2 SE/4	80.00	4.16667	UNION OIL COMPANY OF CALIFORNIA
10	NM-30071 FEDERAL	SEC. 26: NW/4, E/2 SE/4	240.00	12.50000	UNION OIL COMPANY OF CALIFORNIA
11	B-1581-6 STATE	SEC. 36: SW/4	160.00	8.33334	HONDO OIL & GAS COMPANY

PARTICIPATING AREA
LAGUNA DEEP UNIT AGREEMENT
LEA COUNTY, NEW MEXICO

<u>TRACT NO.</u>	<u>LEASE NO. OR TYPE OF LAND</u>	<u>DESCRIPTION</u>	<u>PARTICIPATING ACRES</u>	<u>PERCENT OF PARTICIPATION</u>	<u>WORKING INTEREST OWNER</u>
		ALL LANDS ARE IN T-19-S, R-33-E, N.M.P.M.			
12	LG-2485 STATE	SEC. 36: NW/4	160.00	8.33333	UNION OIL COMPANY OF CALIFORNIA
14	PATENTED LAND	SEC. 25: SW/4	160.00	8.33333	UNION OIL COMPANY OF CALIFORNIA
		TOTAL	1920.00	100.00000	

SUMMARY

<u>TYPE LAND</u>	<u>COMMITTED ACRES</u>	<u>PERCENT</u>
FEDERAL	1440.00	75.00000
STATE	320.00	16.66667
PATENTED	160.00	8.33333
	1920.00	100.00000

R 33 E

LAGUNA DEEP UNIT

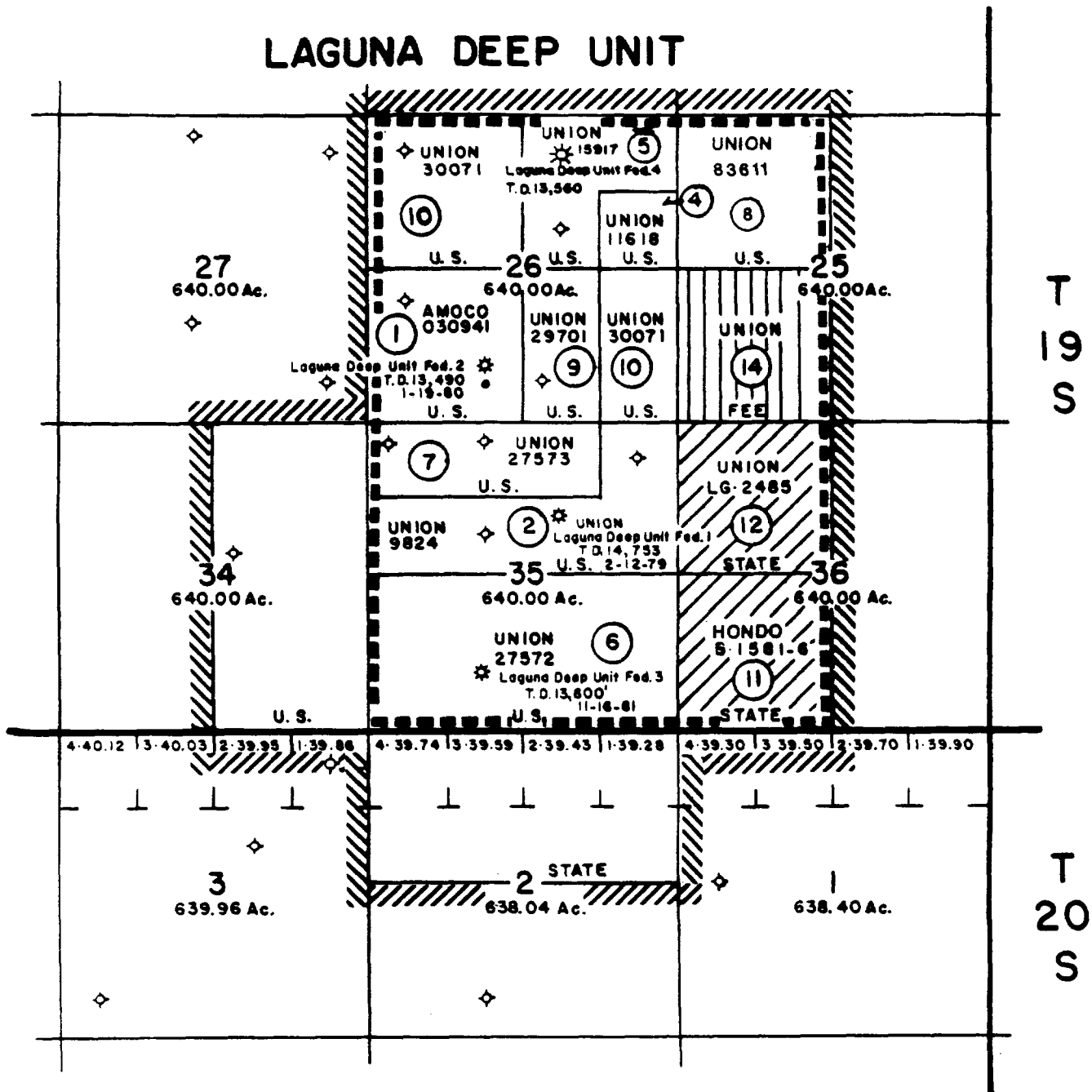


EXHIBIT "A"-(REVISED)

LAGUNA DEEP UNIT

(AS CONTRACTED EFFECTIVE FEBRUARY 9, 1984)

LEA COUNTY, NEW MEXICO



① TRACT NUMBER- EXHIBIT "B"

REVISED EXHIBIT "B" - LAGUNA DEEP UNIT, LEA COUNTY, NEW MEXICO, T-19-S, R-33-E - AS CONTRACTED EFFECTIVE 2/9/84

<u>TRACT NO.</u>	<u>DESCRIPTION OF LAND</u>	<u>NUMBER OF ACRES</u>	<u>SERIAL NO. & EXPIRATION DATE OF LEASE</u>	<u>BASIC ROYALTY AND OWNERSHIP PERCENTAGE</u>	<u>LESSEE OF RECORD</u>	<u>OVERRIDING ROYALTY AND PERCENTAGE</u>	<u>WORKING INTEREST AND PERCENTAGE</u>
<u>FEDERAL LAND</u>							
1	SEC. 26: SW/4	160.00	NM-030941 HBP	U.S.A. (12.50%)	AMOCO PRODUCTION COMPANY	VIRGINIA WILLIS HESS, PERSONAL REPRESENTATIVE OF THE ESTATE OF EUGENIA W. BATE, DEC'D 1 1/2% OF 8/8 R. M. HESS & VIRGINIA W. HESS, TRUSTEES UNDER AGREEMENT DATED 4/10/72 1% OF 8/8 ELIZABETH W. CHRISTENSEN AND HUSBAND, DON T. CHRISTENSEN 1/2% OF 8/8 WINIFRED T. SEATON 1/2% OF 8/8 JO ANN W. LIGHT & HUSBAND ROBERT S. LIGHT 1/2% OF 8/8	AMOCO PRODUCTION COMPANY - 100%
2	SEC. 35: NE/4 NE/4, S/2 N/2	200.00	NM-9824 7/31/79	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	W. FEICK, JR. & WIFE, JOAN W. FEICK \$750/ACRE PPI OUT OF 5%	UNION OIL COMPANY OF CALIFORNIA - 100%
4	SEC. 26: SE/4 NE/4	40.00	NM-11618 4/30/90	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	CALVIN A. MITCHELL & WIFE, EVELYN MITCHELL 4% LEO POLLACK 1/4% M. A. SCHOFMAN	UNION OIL COMPANY OF CALIFORNIA - 100%
5	SEC. 26: N/2 NE/4, SW/4 NE/4	120.00	NM-15917 6/30/82	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	GJEN P. TAYLOR & HUSBAND, CHARLES G. TAYLOR, AND CARL A. NILSEN & WIFE, GEORGEANNE NILSEN 5%	UNION OIL COMPANY OF CALIFORNIA - 100%

REVISED EXHIBIT "B" - LAGUNA DEEP UNIT, LEA COUNTY, NEW MEXICO, T-19-S, R-33-E - AS CONTRACTED EFFECTIVE 2/9/84

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	SERIAL NO. & EXPIRATION DATE OF LEASE	BASIC ROYALTY AND OWNERSHIP PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY AND PERCENTAGE	WORKING INTEREST AND PERCENTAGE
6	SEC. 35: S/2	320.00	NM-27572 5/31/83	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	BAKERSFIELD INVESTMENT TRUST, LUCILLE WILSON, TRUSTEE 2 1/2% BANK OF AMERICA, NT&SA, AS TRUSTEE OF THE CHARLES E. STRANGE 1976 TRUST #1 1 1/2% OF 8/8 C. E. STRANGE & WIFE, SHERIE R. STRANGE 1% OF 8/8	UNION OIL COMPANY OF CALIFORNIA - 100%
7	SEC. 35: NW/4 NE/4, N/2 NW/4	120.00	NM-27573 11/30/78	U.S.A. (SCHEDULE "B")	UNION OIL COMPANY OF CALIFORNIA	NONE	UNION OIL COMPANY OF CALIFORNIA - 100%
8	SEC. 25: NW/4	160.00	NM-83611 3/31/95	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	NONE	UNION OIL COMPANY OF CALIFORNIA - 100%
9	SEC. 26: W/2 SE/4	80.00	NM-29701 2/28/82	U.S.A. (SCHEDULE "B")	UNION OIL COMPANY OF CALIFORNIA	NONE	UNION OIL COMPANY OF CALIFORNIA - 100%
10	SEC. 26: NW/4, E/2 SE/4	240.00	NM-30071 4/30/87	U.S.A. (12.50%)	UNION OIL COMPANY OF CALIFORNIA	CAROL L. TEIGEN & THEODORE H. TEIGEN, JR. 5%	UNION OIL COMPANY OF CALIFORNIA - 100%
9 FEDERAL TRACTS 1440.00 ACRES OR 75.00000% OF UNIT AREA.							
<u>NEW MEXICO STATE LAND</u>							
11	SEC. 36: SW/4	160.00	B-1581-6 HBP	STATE OF NEW MEXICO (12.50%)	HONDO OIL & GAS COMPANY	NONE	HONDO OIL & GAS COMPANY

REVISED EXHIBIT "B" - LAGUNA DEEP UNIT, LEA COUNTY, NEW MEXICO, T-19-S, R-33-E - AS CONTRACTED EFFECTIVE 2/9/84

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	SERIAL NO. & EXPIRATION DATE OF LEASE	BASIC ROYALTY AND OWNERSHIP PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY AND PERCENTAGE	WORKING INTEREST AND PERCENTAGE
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2 STATE TRACTS 320.00 ACRES OR 16.66667% OF UNIT AREA.

PATENTED LAND

14	SEC. 25: SW/4	160.00	12/20/77* 12/20/80*	MARK SMITH & WIFE, ANNIE LORA SMITH; KENNETH MARK SMITH & WIFE, PATSY LOU SMITH; WILLIAM C. SMITH & WIFE, NANCY JEAN SMITH; LORA NELL GLENN & HUSBAND, WILLIAM JEFF GLENN (18.75%)	UNION OIL COMPANY OF CALIFORNIA	NONE	UNION OIL COMPANY OF CALIFORNIA - 100%
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1 PATENTED TRACT 160.00 ACRES OR 8.33333% OF UNIT AREA.

TOTAL: 12 TRACTS 1920.00 ACRES IN ENTIRE UNIT AREA

*LEASE HAS BEEN RENEWED BY OIL AND GAS LEASE DATED JUNE 4, 1977, RECORDED IN VOL. 304, PAGE 260 OF THE RECORDS OF LEA COUNTY, NEW MEXICO.
PRIMARY TERM IS STATED AS BEING 3 YEARS FROM 12/20/77.

EXHIBIT "C"
FIRST REVISION MORROW FORMATION
PARTICIPATING AREA
LAGUNA DEEP UNIT AGREEMENT
LEA COUNTY, NEW MEXICO

<u>TRACT NO.</u>	<u>LEASE NO. OR TYPE OF LAND</u>	<u>DESCRIPTION</u>	<u>PARTICIPATING ACRES</u>	<u>PERCENT OF PARTICIPATION</u>	<u>WORKING INTEREST OWNER</u>
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4	NM-11618 FEDERAL	SEC. 26: SE/4 NE/4	40.00	2.08333	UNION OIL COMPANY OF CALIFORNIA
5	NM-15917 FEDERAL	SEC. 26: N/2 NE/4, SW/4 NE/4	120.00	6.25000	UNION OIL COMPANY OF CALIFORNIA
6	NM-27572 FEDERAL	SEC. 35: S/2	320.00	16.66667	UNION OIL COMPANY OF CALIFORNIA
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9	NM-29701 FEDERAL	SEC. 26: W/2 SE/4	80.00	4.16667	UNION OIL COMPANY OF CALIFORNIA
10	NM-30071 FEDERAL	SEC. 26: NW/4, E/2 SE/4	240.00	12.50000	UNION OIL COMPANY OF CALIFORNIA
11	B-1581-6 STATE	SEC. 36: SW/4	160.00	8.33334	HONDO OIL & GAS COMPANY

PARTICIPATING AREA
LAGUNA DEEP UNIT AGREEMENT
LEA COUNTY, NEW MEXICO

<u>TRACT NO.</u>	<u>LEASE NO. OR TYPE OF LAND</u>	<u>DESCRIPTION</u>	<u>PARTICIPATING ACRES</u>	<u>PERCENT OF PARTICIPATION</u>	<u>WORKING INTEREST OWNER</u>
		ALL LANDS ARE IN T-19-S, R-33-E, N.M.P.M.			
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14	PATENTED LAND	SEC. 25: SW/4	160.00	8.33333	UNION OIL COMPANY OF CALIFORNIA
		TOTAL	1920.00	100.00000	

SUMMARY

<u>TYPE LAND</u>	<u>COMMITTED ACRES</u>	<u>PERCENT</u>
FEDERAL	1440.00	75.00000
STATE	320.00	16.66667
PATENTED	160.00	8.33333
	1920.00	100.00000

10 00 8 46

UNOCAL

Southwestern Region

Re: 1990 Plan of Development
Laguna Deep Unit Area
Lea County, New Mexico
Laguna Prospect (7729)

Please find enclosed for your approval two copies of Union's 1990 Plan of Development for the Laguna Deep Unit Area

Sincerely yours,

Linda H. Hicks

Plan of Investigation

11/07/1991
 Armando A. Lopez
 Jr.

Enclosures

1990 PLAN OF DEVELOPMENT AND OPERATION
LAGUNA DEEP UNIT AREA
LEA COUNTY, NEW MEXICO

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

Attn: Francis R. Cherry
District Manager

Union Oil Company of California as Unit Operator for the Laguna Deep Unit Area, pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978, (No. 14-08-001-16905), respectfully submits for approval this 1990 Plan of Development and Operation for the Laguna Deep Unit Area for the period ending December 31, 1990.

SUMMARY OF 1989 OPERATIONS:

The Laguna Deep Federal Unit #4 well was spudded October 17, 1989 in Section 26-19S-33E.

The Laguna Deep Unit Well No. 1 was successfully recompleted in the Middle Morrow in May, 1989.

Production for the year is summarized below.

Well No.	Completed Interval	1989 Production MMCF + BC	Current Test MCF/D + BC/D
Laguna Deep #1	Middle Morrow	149.8 + 6,799	682 + 30
Laguna Deep #2	Middle Morrow	18.6 + 269	87 + 0
Laguna Deep #3	Middle Morrow	314.9 + 19,157	888 + 51

PLAN OF DEVELOPMENT FOR 1990

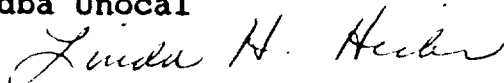
Union plans to finish the completion of the Laguna Deep Unit Well No. 4 by the end of March. A recompletion of the Laguna Deep Unit Well No. 2 in the Middle Morrow is also planned for this year.

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 15 day of March, 1990.

Sincerely yours,

Union Oil Company of California
dba Unocal


Linda H. Hicks
Supervisor of Contracts

Laguna Deep Federal #1

	Condensate <u>(Bbls)</u>	Gas <u>(MCF)</u>
<u>1988</u>		
Jan.	995	17543
Feb.	1041	19387
Mar.	1193	22606
Apr.	1150	22955
May	595	11671
June	788	868
July	1331	27124
Aug.	1147	23482
Sept.	805	17874
Oct.	208	7194
Nov.	--	264
Dec.	--	397
<u>1989</u>		
Jan.	--	150
Feb.	--	466
Mar.	--	150
Apr.	67	1228
May	607	11378
June	843	15834
July	901	17456
Aug.	868	18814
Sept.	911	19869
Oct.	883	21632
Nov.	879	21440
Dec.	840	21464

Laguna Deep Unit Federal #2

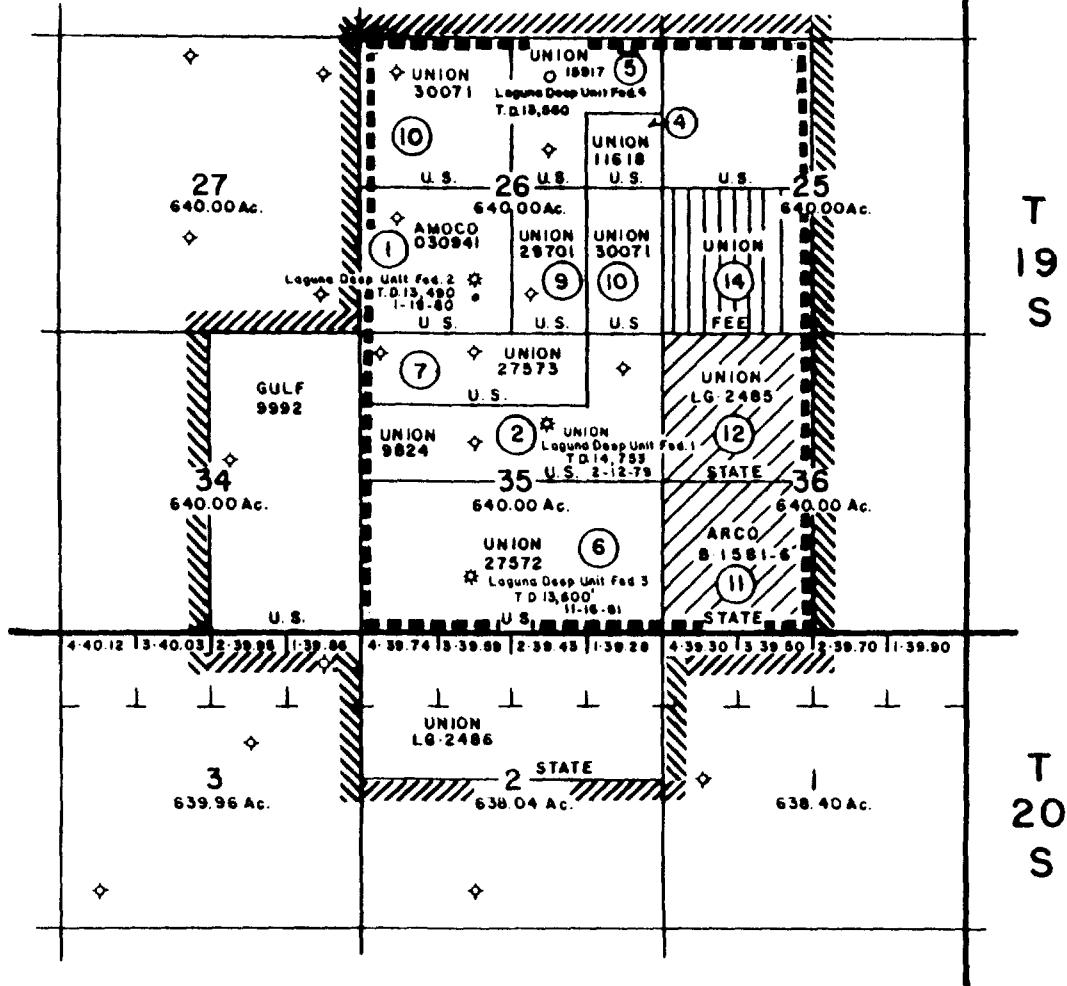
	Condensate <u>(Bbls)</u>	Gas <u>(MCF)</u>
<u>1988</u>		
Jan.	42	3047
Feb.	58	3727
Mar.	56	4601
Apr.	77	4987
May	74	5280
June	69	4585
July	58	4676
Aug.	17	2350
Sept.	33	2681
Oct.	11	2093
Nov.	2	1948
Dec.	--	495
<u>1989</u>		
Jan.	--	200
Feb.	3	200
Mar.	2	200
Apr.	66	200
May	71	200
June	60	200
July	22	0
Aug.	36	4402
Sept.	9	3444
Oct.	0	3465
Nov.	0	3200
Dec.	0	2918

Laguna Deep Unit Federal #3

	Condensate <u>(Bbls)</u>	Gas <u>(MCF)</u>
<u>1988</u>		
Jan.	2590	32609
Feb.	2173	28330
Mar.	2375	31190
Apr.	2120	30710
May	1072	15745
June	1253	17103
July	2059	31087
Aug.	2108	31918
Sept.	1802	25714
Oct.	2072	31240
Nov.	2084	29878
Dec.	2194	31029
<u>1989</u>		
Jan.	1923	28067
Feb.	1835	26327
Mar.	1396	20859
Apr.	1111	17201
May	1888	30054
June	1735	28335
July	1727	29109
Aug.	1693	28712
Sept.	1569	27169
Oct.	1559	28215
Nov.	1518	26884
Dec.	1203	24038

R 33 E

LAGUNA DEEP UNIT

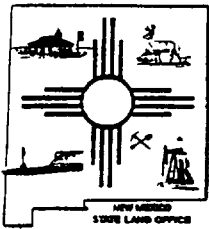


	ORIGINAL UNIT BOUNDARY
	REVISED UNIT BOUNDARY & PARTICIPATING AREA
	FEDERAL 1440.00 Ac. 75.00000 %
	STATE 320.00 Ac. 16.66667 %
	FEE 160.00 Ac. 8.33333 %
	1920.00 Ac. 100.00000 %

EXHIBIT "A" - (REVISED) LAGUNA DEEP UNIT (AS CONTRACTED EFFECTIVE FEBRUARY 9, 1984) LEA COUNTY, NEW MEXICO



① TRACT NUMBER-EXHIBIT "B"



State of New Mexico
Commissioner of Public Lands

#6182

W. R. Humphries
COMMISSIONER

April 2, 1990

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: ~~UNOCAL 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 Laguna Deep 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*

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



Southwestern Region

3-23-90
D-Unit letter
Thx
Ry

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
~~Laguna Deep Unit Area~~
Lea County, New Mexico
Laguna Prospect (7729)

Gentlemen:

Please find enclosed for your approval two copies of Union's 1990 Plan of Development for the Laguna Deep Unit Area.

Should you have any questions, please let me know.

Sincerely yours,

Union Oil Company of California

Linda H. Hicks
Supervisor of Contracts

LHH:jpp

Enclosures

1990 PLAN OF DEVELOPMENT AND OPERATION
LAGUNA DEEP UNIT AREA
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 Laguna Deep Unit Area, pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978, (No. 14-08-001-16905), respectfully submits for approval this 1990 Plan of Development and Operation for the Laguna Deep Unit Area for the period ending December 31, 1990.

SUMMARY OF 1989 OPERATIONS:

The Laguna Deep Federal Unit #4 well was spudded October 17, 1989 in Section 26-19S-33E.

The Laguna Deep Unit Well No. 1 was successfully recompleted in the Middle Morrow in May, 1989.

Production for the year is summarized below.

Well No.	Completed Interval	1989 Production MMCF + BC	Current Test MCF/D + BC/D
Laguna Deep #1	Middle Morrow	149.8 + 6,799	682 + 30
Laguna Deep #2	Middle Morrow	18.6 + 269	87 + 0
Laguna Deep #3	Middle Morrow	314.9 + 19,157	888 + 51

PLAN OF DEVELOPMENT FOR 1990

Union plans to finish the completion of the Laguna Deep Unit Well No. 4 by the end of March. A recompletion of the Laguna Deep Unit Well No. 2 in the Middle Morrow is also planned for this year.

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 15 day of March, 1990.

Sincerely yours,

Union Oil Company of California
dba Unocal

Linda H. Hicks

Linda H. Hicks
Supervisor of Contracts

LHH:jpp

Laguna Deep Federal #1

	Condensate (Bbls)	Gas (MCF)
<u>1988</u>		
Jan.	995	17543
Feb.	1041	19387
Mar.	1193	22606
Apr.	1150	22955
May	595	11671
June	788	868
July	1331	27124
Aug.	1147	23482
Sept.	805	17874
Oct.	208	7194
Nov.	--	264
Dec.	--	397
<u>1989</u>		
Jan.	--	150
Feb.	--	466
Mar.	--	150
Apr.	67	1228
May	607	11378
June	843	15834
July	901	17456
Aug.	868	18814
Sept.	911	19869
Oct.	883	21632
Nov.	879	21440
Dec.	840	21464

Laguna Deep Unit Federal #2

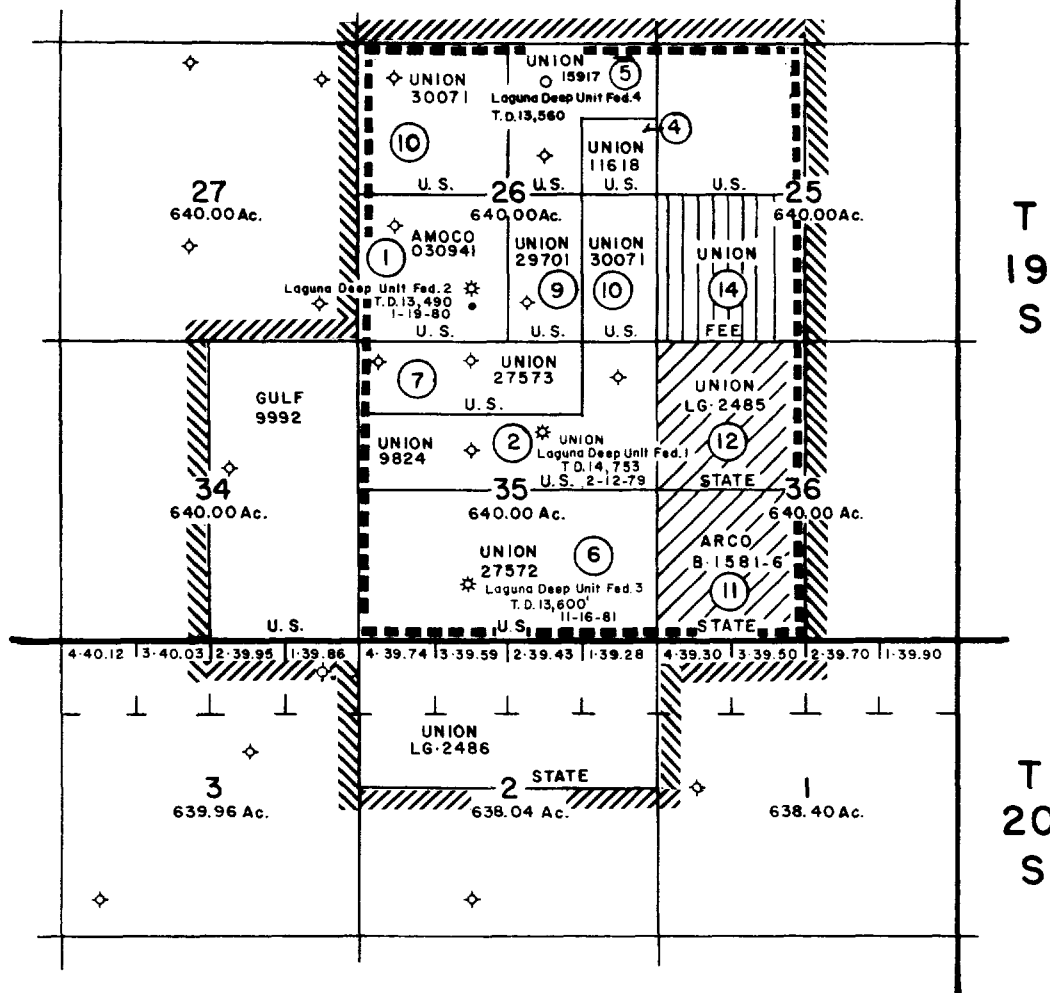
	Condensate <u>(Bbls)</u>	Gas <u>(MCF)</u>
<u>1988</u>		
Jan.	42	3047
Feb.	58	3727
Mar.	56	4601
Apr.	77	4987
May	74	5280
June	69	4585
July	58	4676
Aug.	17	2350
Sept.	33	2681
Oct.	11	2093
Nov.	2	1948
Dec.	--	495
<u>1989</u>		
Jan.	--	200
Feb.	3	200
Mar.	2	200
Apr.	66	200
May	71	200
June	60	200
July	22	0
Aug.	36	4402
Sept.	9	3444
Oct.	0	3465
Nov.	0	3200
Dec.	0	2918

Laguna Deep Unit Federal #3

	Condensate <u>(Bbls)</u>	Gas <u>(MCF)</u>
<u>1988</u>		
Jan.	2590	32609
Feb.	2173	28330
Mar.	2375	31190
Apr.	2120	30710
May	1072	15745
June	1253	17103
July	2059	31087
Aug.	2108	31918
Sept.	1802	25714
Oct.	2072	31240
Nov.	2084	29878
Dec.	2194	31029
<u>1989</u>		
Jan.	1923	28067
Feb.	1835	26327
Mar.	1396	20859
Apr.	1111	17201
May	1888	30054
June	1735	28335
July	1727	29109
Aug.	1693	28712
Sept.	1569	27169
Oct.	1559	28215
Nov.	1518	26884
Dec.	1203	24038

R 33 E

LAGUNA DEEP UNIT



	ORIGINAL UNIT BOUNDARY		
	REVISED UNIT BOUNDARY & PARTICIPATING AREA		
	FEDERAL	1440.00 Ac.	75.00000 %
	STATE	320.00 Ac.	16.66667 %
	FEE	160.00 Ac.	8.33333 %
		<u>1920.00 Ac.</u>	<u>100.00000 %</u>

EXHIBIT "A" - (REVISED)
LAGUNA DEEP UNIT
(AS CONTRACTED EFFECTIVE FEBRUARY 9, 1984)
LEA COUNTY, NEW MEXICO



① TRACT NUMBER-EXHIBIT "B"

OCD

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

September 22, 1989

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

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

#6182

ATTN: Linda H. Hicks

RE: Laguna Deep Unit
Lea County, New Mexico
1989 Plan of Development - First Amendment

Gentlemen:

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

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

Very truly yours,

W.R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY:

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

D-
9-20-89
Unit letter
TH
K

UNOCAL 76

Midland District
Central Region

September 19, 1989

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

Attn: Mr. William J. LeMay,
Director

Amended 1989 Plan of Development
Laguna Deep Unit
Laguna Prospect (7729)
Lea County, New Mexico

Gentlemen:

Please find enclosed for your approval two copies of Union's Amended 1989 Plan of Development and Operation for the Laguna Deep Unit, necessitated by our recent plan to drill the Laguna Deep Unit #4 well. We would appreciate your expediting your approval as we plan to spud the Laguna Deep Unit #4 well on or about October 6, 1989.

Should you have any questions, please let me know.

Sincerely yours,

Union Oil Company of California

Linda H. Hicks

Linda H. Hicks
Landman

LHH:jpp

Enclosures

AMENDED
1989 PLAN OF DEVELOPMENT AND OPERATIONS
LAGUNA DEEP UNIT AREA
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 Laguna Deep Unit Area, pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No. 14-08-0001-16905) respectfully submits for approval this Amended 1989 Plan of Development and Operation for the Laguna Deep Unit Area for the period ending December 31, 1989.

SUMMARY OF 1988 OPERATIONS

No new wells were drilled in 1988. Production for the past year is summarized in the table below.

Well No.	Completed Interval	1988 Production MMCF	+	BC	Current Test MCFD + BCPD
Laguna Deep 1	Lower Morrow	171.365	+	9,253	515 + 38
Laguna Deep 2	Middle Morrow	40.470	+	497	134 + 0
Laguna Deep 3	Middle Morrow	336.553	+	23,902	1080 + 70

PLAN OF DEVELOPMENT FOR 1989

The Laguna Deep Unit Well #1 was recompleted in the Middle Morrow on April 28, 1989 with perforations at 13,000-13,016 feet. The well is currently producing 515 MCFPD plus 38 barrels of condensate per day.

Union is planning to spud a 13,600 foot Morrow well, the Laguna Deep Unit Well #4, located 660' FNL & 1980' FEL Section 26-19S-33E, on or about October 6, 1989.

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 in the Unit Agreement.

Submitted this 19 day of September, 1989.

Sincerely yours,

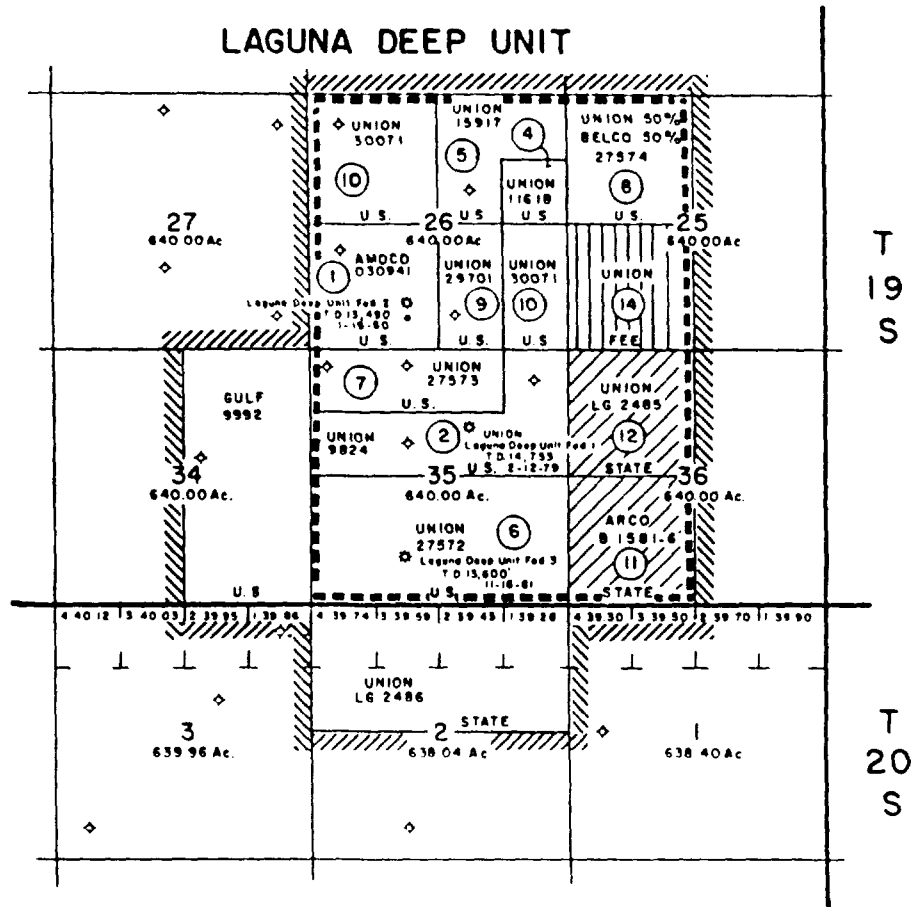
Union Oil Company of California
dba UNOCAL

Linda H. Hicks
Linda H. Hicks
Landman

LHH:jpp

R 33 E

LAGUNA DEEP UNIT



	ORIGINAL UNIT BOUNDARY
	REVISED UNIT BOUNDARY & PARTICIPATING AREA
	FEDERAL 1440.00 Ac. 75.00000 %
	STATE 320.00 Ac. 16.66667 %
	FEE 160.00 Ac. 8.33333 %
	1920.00 Ac. 100.00000 %

EXHIBIT "A" - (REVISED)

LAGUNA DEEP UNIT

(AS CONTRACTED EFFECTIVE FEBRUARY 9, 1984)

LEA COUNTY, NEW MEXICO



① TRACT NUMBER - EXHIBIT "B"

AMENDED
1989 PLAN OF DEVELOPMENT AND OPERATIONS
LAGUNA DEEP UNIT AREA
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 Laguna Deep Unit Area, pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No. 14-08-0001-16905) respectfully submits for approval this Amended 1989 Plan of Development and Operation for the Laguna Deep Unit Area for the period ending December 31, 1989.

SUMMARY OF 1988 OPERATIONS

No new wells were drilled in 1988. Production for the past year is summarized in the table below.

Well No.	Completed Interval	1988 Production MMCF	+	BC	Current Test MCFD + BCPD
Laguna Deep 1	Lower Morrow	171.365	+	9,253	515 + 38
Laguna Deep 2	Middle Morrow	40.470	+	497	134 + 0
Laguna Deep 3	Middle Morrow	336.553	+	23,902	1080 + 70

PLAN OF DEVELOPMENT FOR 1989

The Laguna Deep Unit Well #1 was recompleted in the Middle Morrow on April 28, 1989 with perforations at 13,000-13,016 feet. The well is currently producing 515 MCFPD plus 38 barrels of condensate per day.

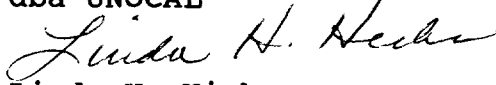
Union is planning to spud a 13,600 foot Morrow well, the Laguna Deep Unit Well #4, located 660' FNL & 1980' FEL Section 26-19S-33E, on or about October 6, 1989.

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 in the Unit Agreement.

Submitted this 19 day of September, 1989.

Sincerely yours,

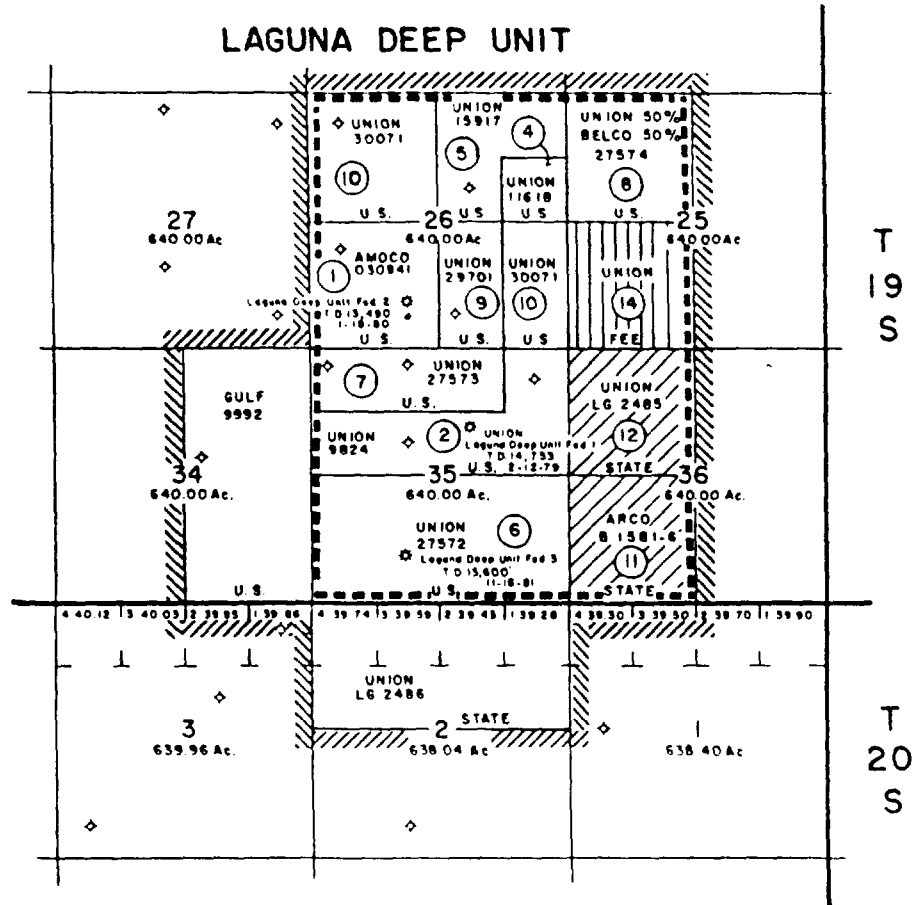
Union Oil Company of California
dba UNOCAL


Linda H. Hicks
Landman

LHH:jpp

R 33 E

LAGUNA DEEP UNIT



	ORIGINAL UNIT BOUNDARY
	REVISED UNIT BOUNDARY & PARTICIPATING AREA
	FEDERAL 1440.00 Ac 75.00000 %
	STATE 320.00 Ac 16.66667 %
	FEE 160.00 Ac 8.33333 %
	1920.00 Ac 100.00000 %

EXHIBIT "A" - (REVISED)

LAGUNA DEEP UNIT

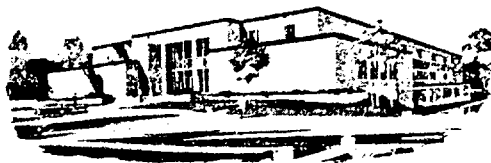
(AS CONTRACTED EFFECTIVE FEBRUARY 9, 1984)

LEA COUNTY, NEW MEXICO



① TRACT NUMBER - EXHIBIT "B"

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER

Commissioner of Public Lands

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

SLO REF NO. OG-1016

February 7, 1989

#6182

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

Re: 1989 Plan of Development
Laguna Deep Unit
Lea County, New Mexico

Gentlemen:

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

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

Enclosed is an approved copy for your files.

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

Very truly yours,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

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

cc: OCD
BLM

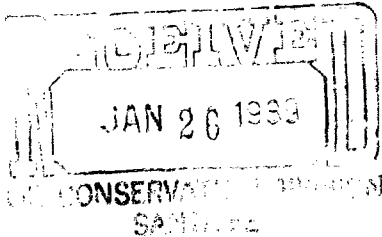
Unocal Oil & Gas Division
Unocal Corporation
1004 North Big Spring Street, P.O. Box 671
Midland, Texas 79702
Telephone (915) 682-9731

UNOCAL 76

*D. T. Fletcher
Unit 1
Thx
Ry*

Midland District
Central Region

January 23, 1989



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

Attn: Mr. William J. LeMay
Director

1989 Plan of Development
Laguna Deep Unit
Laguna Prospect (7729)
Lea County, New Mexico

Gentlemen:

Please find enclosed for your approval two copies of Union's 1989 Plan of Development and Operation for the Laguna Deep Unit. Inasmuch as we plan some reworking on the Laguna #1 as soon as possible, we would appreciate your expediting the approval of our Plan.

Should you have any questions, please let me know.

Sincerely,

Union Oil Company of California

Linda H. Hicks

Linda H. Hicks
Landman

LHH:jpp

Enclosures (2)

*OK
1-30-89*

**1989 Plan of Development and Operations
for
Laguna Deep Unit Area
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 Laguna Deep Unit Area, pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978, (No. 14-08-001-16905), respectfully submits for approval this 1989 Plan of Development and Operation for the Laguna Deep Unit Area, for the period ending December 31, 1989.

Summary of 1988 Operations

No new wells were drilled in 1988. Production for the past year is summarized in the table below.

<u>Well No.</u>	<u>Completed Interval</u>	<u>1988 Production</u>		<u>Current Test</u>	
		<u>MMCF</u>	<u>+</u>	<u>BC</u>	<u>MCFD + BCPD</u>
Laguna Deep 1	Lower Morrow	171.365	+	9,253	Shut-in
Laguna Deep 2	Middle Morrow	40.470	+	497	134 + 0
Laguna Deep 3	Middle Morrow	336.553	+	23,902	1080 + 70

Plan of Development for 1989:

Union has no current plans to drill any new wells in the Unit in 1989. However, the Laguna Deep Unit Well #1 ceased to produce as of 12/25/88 and Union is planning to recomplete the well in the Middle Morrow zone as soon as possible.

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.

Sincerely yours,

Union Oil Company of California

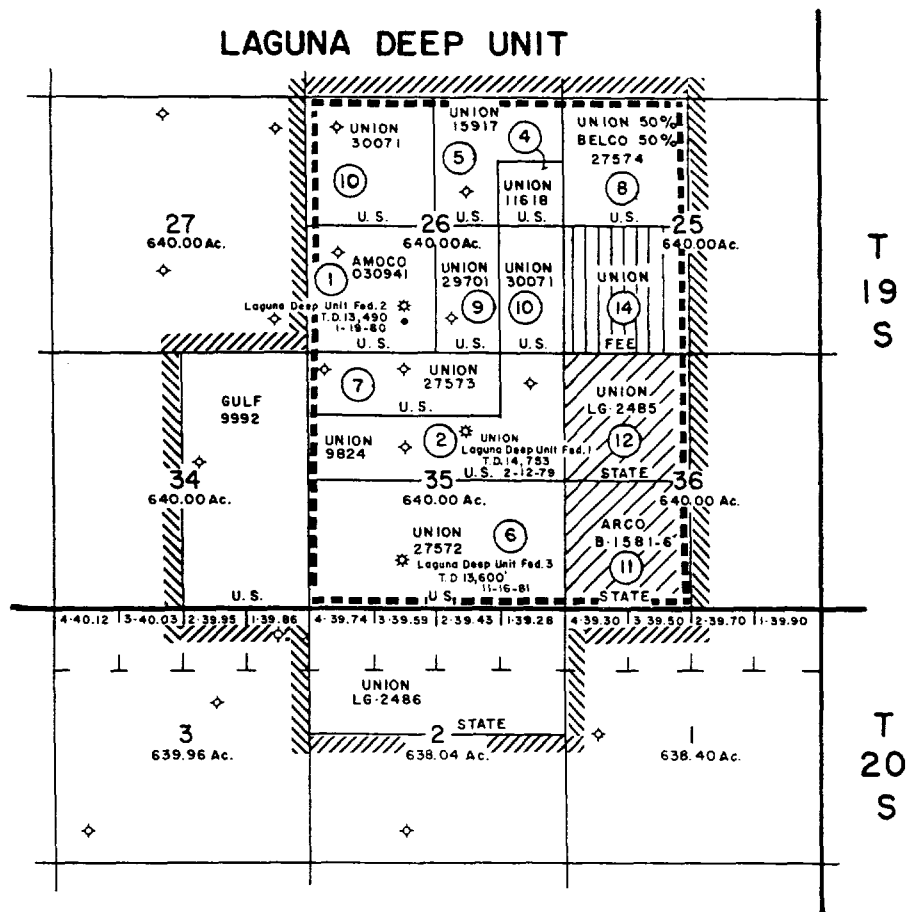

Hugh H. Herndon
District Land Manager

LHH:jp

Submitted this 23 of January, 1989.

R 33 E

LAGUNA DEEP UNIT



	ORIGINAL UNIT BOUNDARY
	REVISED UNIT BOUNDARY & PARTICIPATING AREA
	FEDERAL 1440.00 Ac. 75.00000 %
	STATE 320.00 Ac. 16.66667 %
	FEE 160.00 Ac. 8.33333 %
	1920.00 Ac. 100.00000 %

EXHIBIT "A"-(REVISED)
LAGUNA DEEP UNIT
(AS CONTRACTED EFFECTIVE FEBRUARY 9, 1984)
LEA COUNTY, NEW MEXICO

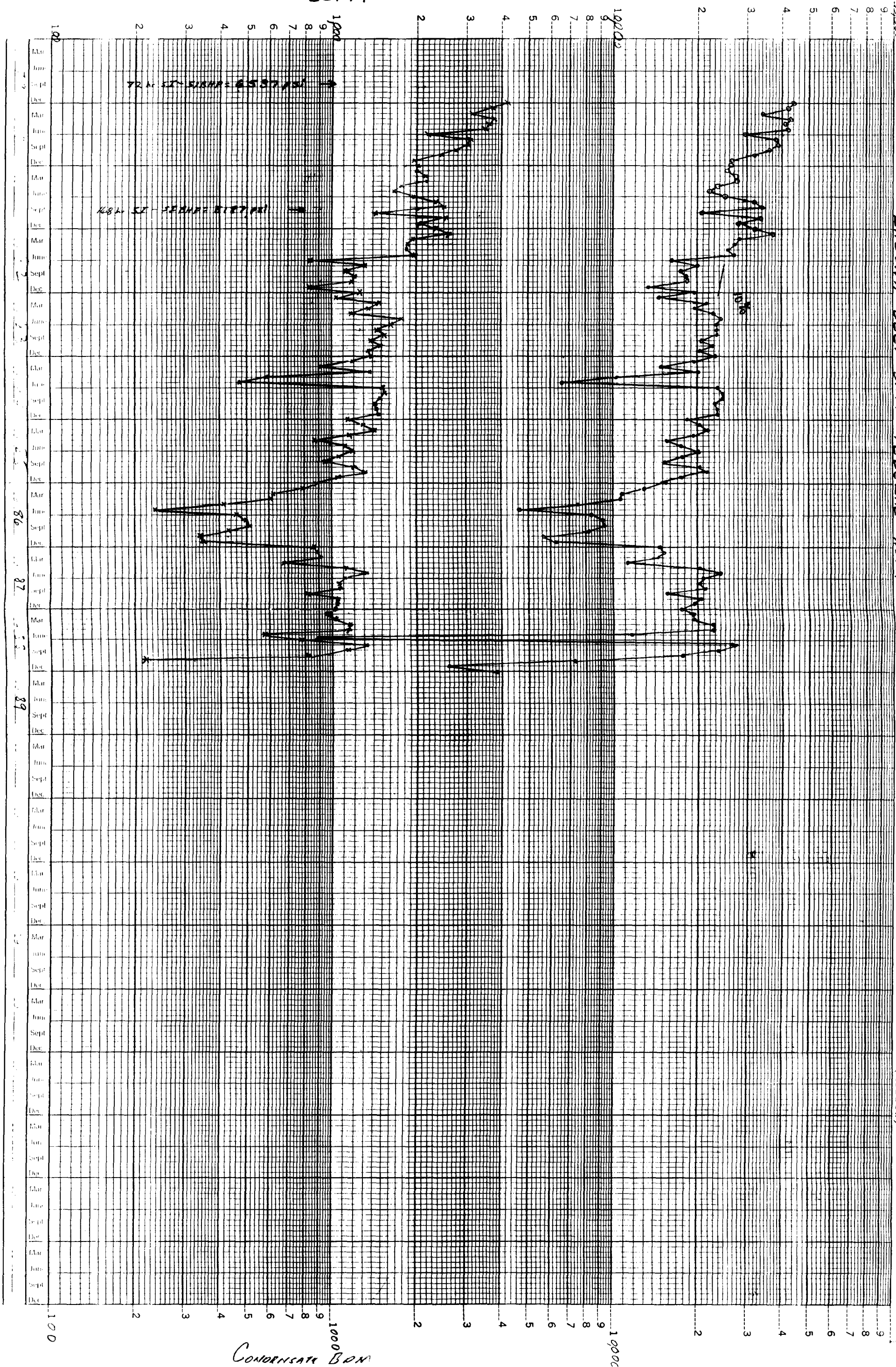


① TRACT NUMBER-EXHIBIT "B"

MCFPM 0-0
BCPM x-x

LAGUNA DEEP UNIT FEDERAL NO. 1

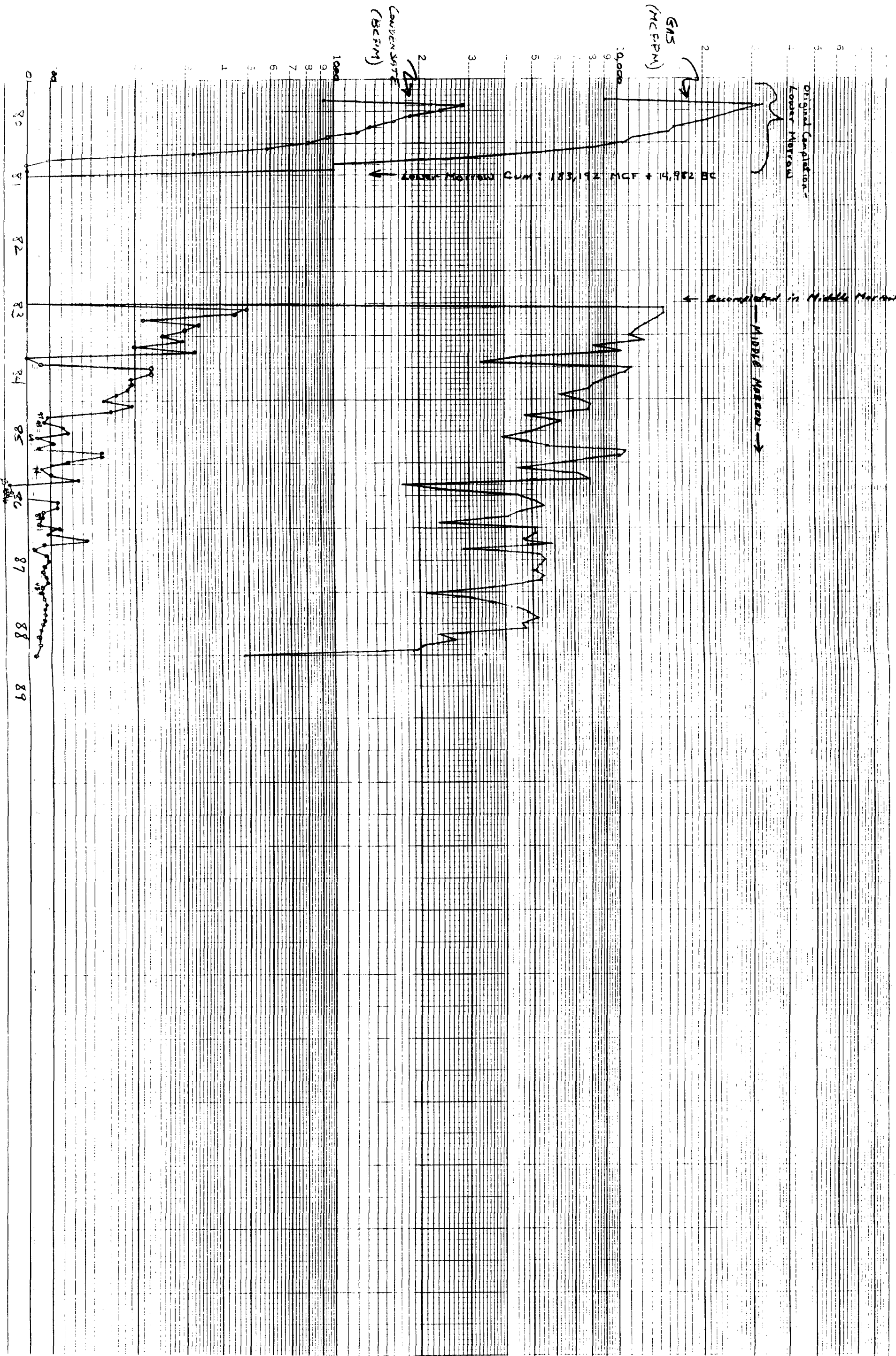
East Gem (Morrow)



CONDENSATE BON

LAGUNA DEEP UNIT FEDERAL NO. 2

LAGUNA NO. 2

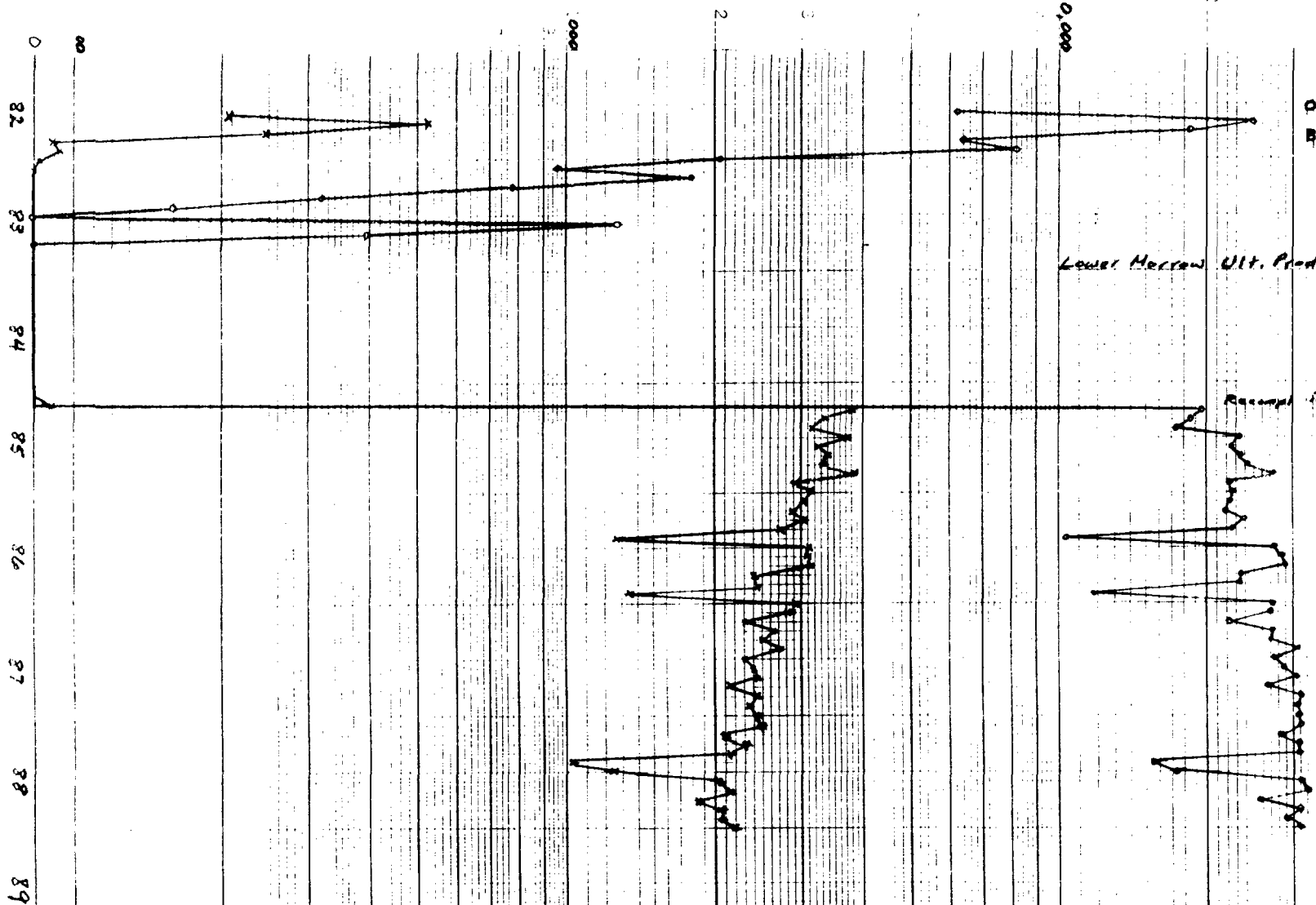


MCFPM ○○
BCPM ××

Original BHP = 6350 psi
BHP = 1723 psi

Lower Morrow Ult. Prod = 71,917 MCF
+ 1095 BC

Reconstr. in Middle Morrow



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

6182

~~5885~~

UNOCAL 

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
Laguna Deep Unit
Lea County, New Mexico
Laguna Prospect (7729)

Gentlemen:

Please find enclosed for your approval two copies of Union's 1988 Plan of Development and Operation for the Laguna Deep Unit.

Should you have any questions, please let me know.

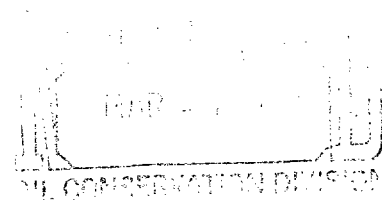
Sincerely yours,

UNION OIL COMPANY OF CALIFORNIA

Linda H. Hicks

Linda H. Hicks
Landman

LHH/s
Enclosures



1988 Plan of Development and Operations
for
Laguna Deep Unit Area
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 Laguna Deep Unit Area, pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978, (No. 14-08-001-16905), respectfully submits for approval this 1988 Plan of Development and Operation for the Laguna Deep Unit Area, for the period ending December 31, 1988.

Summary of 1987 Operations:

No new wells were drilled in 1987. Production for the past year is summarized in the table below.

Well No.	Completed Interval	1987 Production			Current Test MCFD + BCPD
		MMCF	+	BC	
Laguna Deep 1	Lower Morrow	224.6	+	12,132	661 + 35
Laguna Deep 2	Middle Morrow	56.4	+	806	174 + 3
Laguna Deep 3	Middle Morrow	340.9	+	29,731	1024 + 79

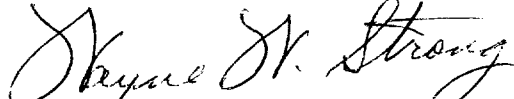
Plan of Development for 1988:

Union has no plans to drill any new wells in the Unit in 1987.

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.


Sincerely yours,

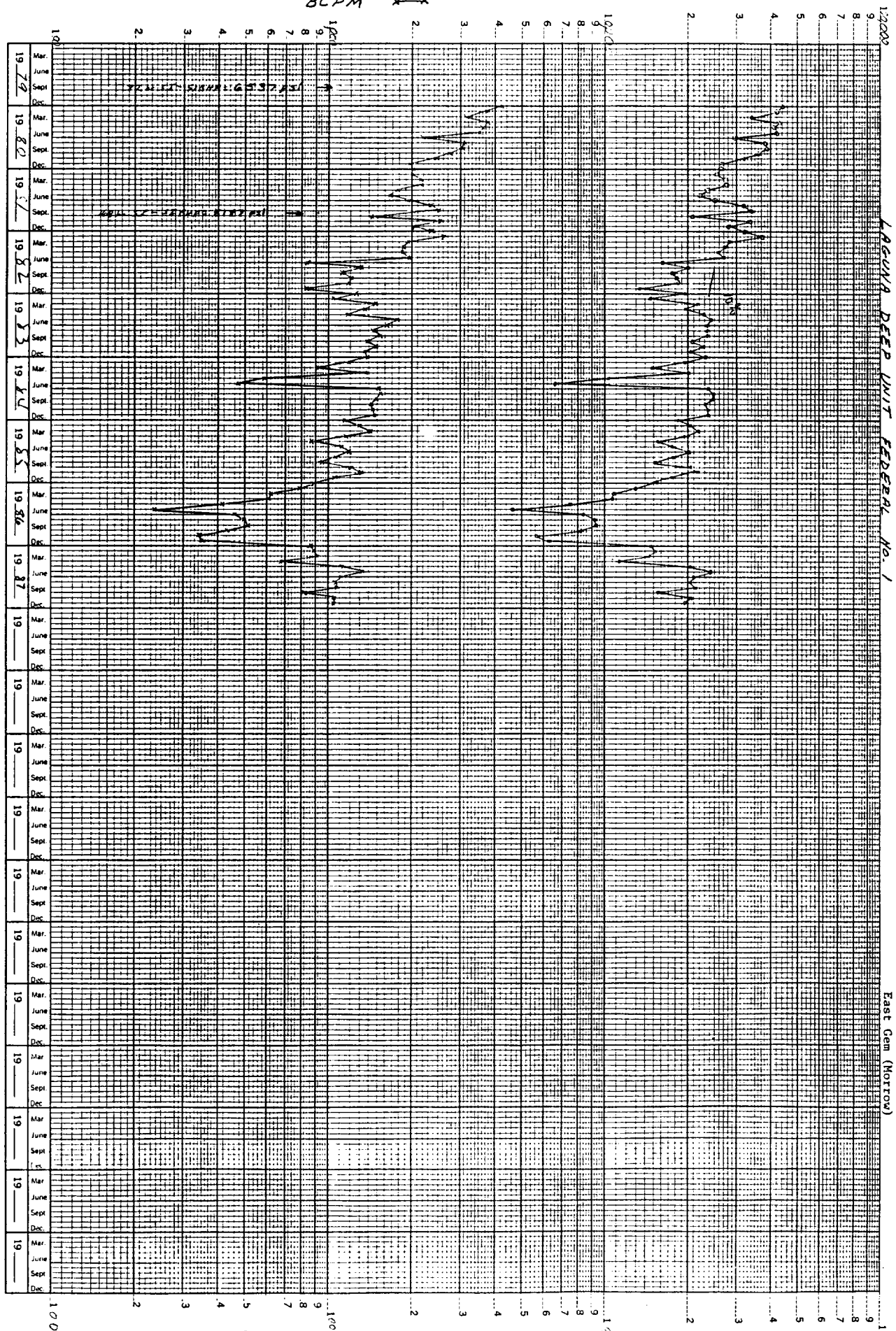
UNION OIL COMPANY OF CALIFORNIA

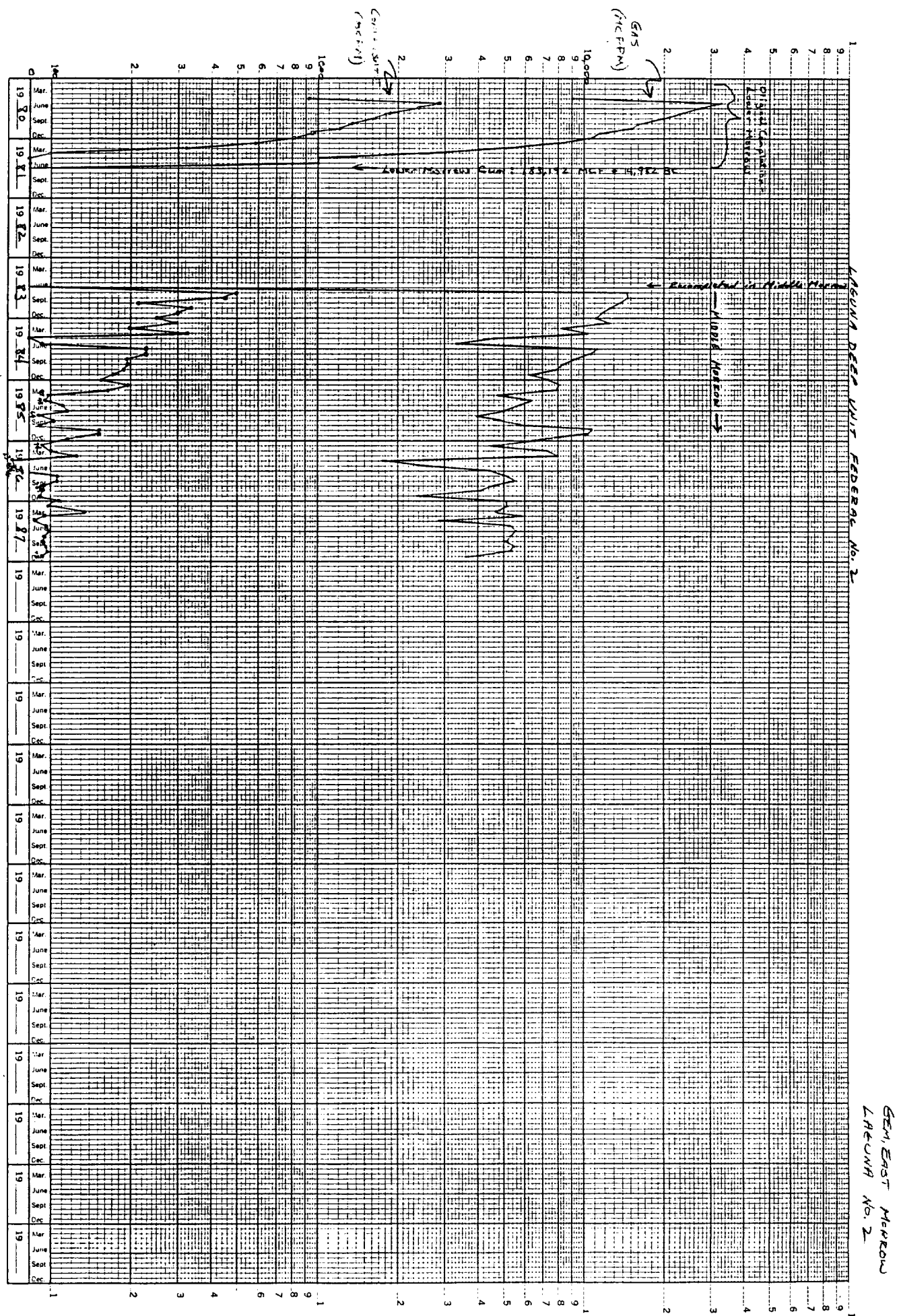

Wayne W. Strong
District Land Manager

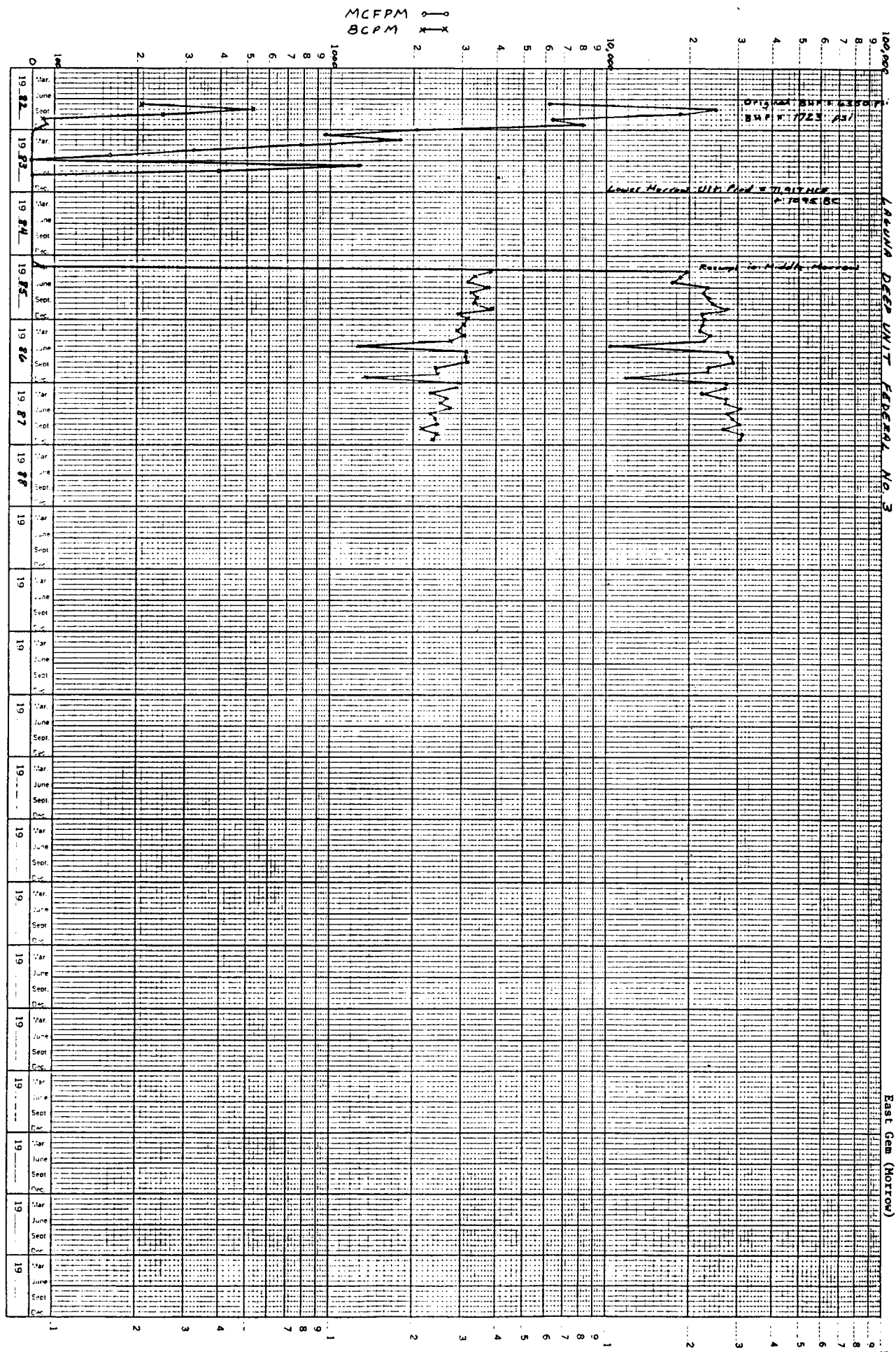
WWS:lh

Submitted this 1 day of March, 1988.

MC FPM 
BC FPM







LAGUNA DEEP UNIT

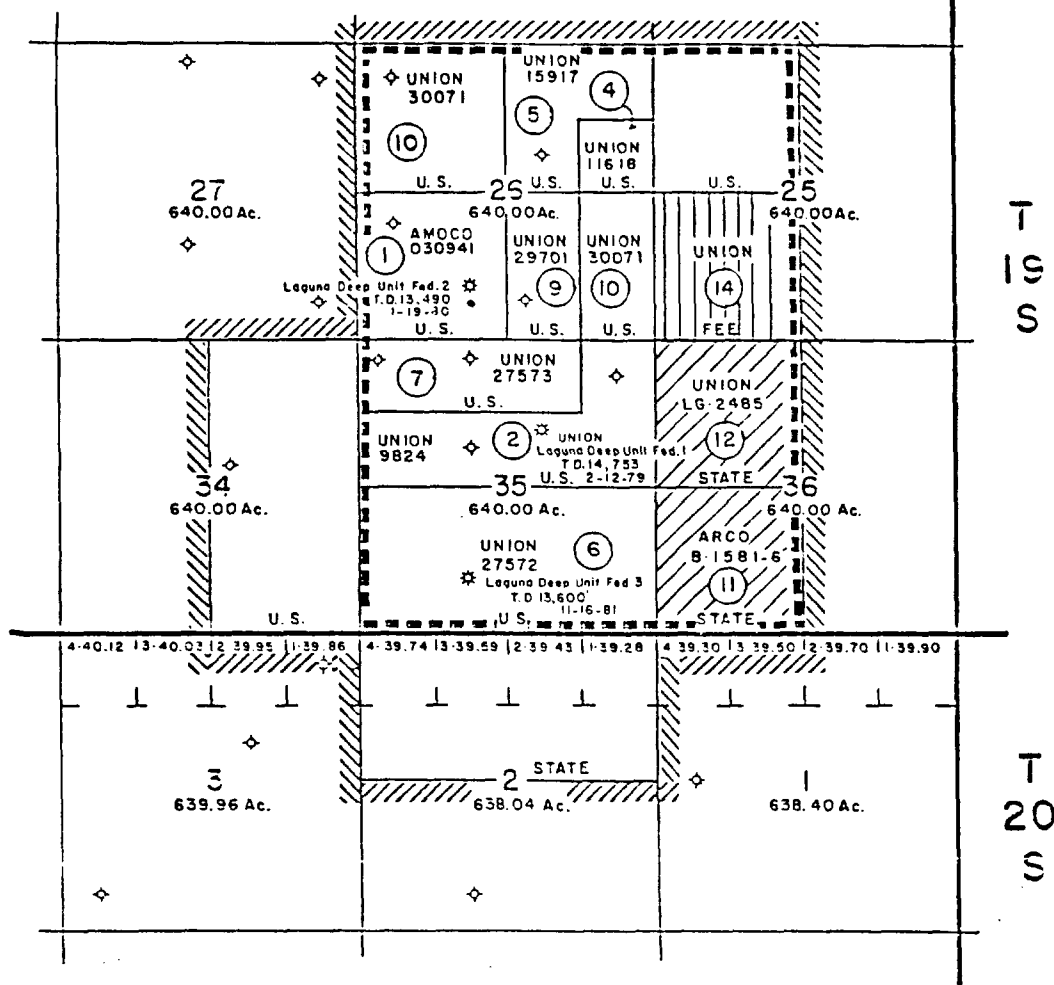
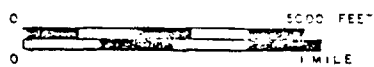


EXHIBIT "A" - (REVISED)

LAGUNA DEEP UNIT

(AS CONTRACTED EFFECTIVE FEBRUARY 9, 1984)

LEA COUNTY, NEW MEXICO



① TRACT NUMBER-EXHIBIT "E"



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
Laguna Deep Unit
Lea County, New Mexico
Laguna Prospect (7729)

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

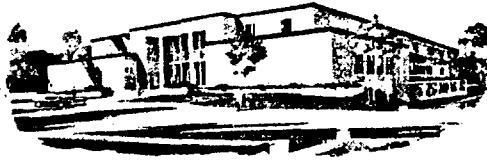
REJ/dr

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-713

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

WRH/FOP/pm
encs.
cc: OCD
BLM

State of New Mexico

#6182



W.R. HUMPHRIES
COMMISSIONER

Commissioner of Public Lands

SLO REF NO. OG-87

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

April 29, 1987

Unocal Oil and Gas Division
ATTENTION: Ms. Linda Hicks
P. O. Box 671
Midland, Texas 79702

Re: 1987 Plan of Development
Laguna Deep Unit
Lea County, New Mexico

Gentlemen:

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

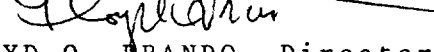
Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

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

Very truly yours,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

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

WRH/FOP/pm
encls.

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

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

#7729

Unocal
P. O. Box 671
Midland, Texas 79702

Attention: Linda H. Hicks

Re: 1987 Plan of Development
Laguna Deep Unit
Lea County, New Mexico
Laguna Prospect (7729)

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 23, 1987

Midland District

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

ATTN: William J. LeMay

1987 Plan of Development
Laguna Deep Unit
Lea County, New Mexico
Laguna Prospect (7729)

Gentlemen:

Please find enclosed two (2) copies of Union's 1987 Plan of Development and Operation for the Laguna Deep Unit. We respectfully request your approval of same.

Yours truly,

UNION OIL COMPANY OF CALIFORNIA

Linda H. Hicks
Landman

D-
Unit letters
The
Ry

1987 Plan of Development and Operation

for

Laguna Deep Unit Area

Lea County, New Mexico

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

UNION OIL COMPANY OF CALIFORNIA, as Unit Operator for the Laguna Deep Unit Area, pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978, (No. 14-08-0001-16905), respectfully submits for approval this 1987 Plan of Development and Operation for the Laguna Deep Unit Area. This plan is for the period ending December 31, 1987.

Summary of 1986 Operations:

No new wells were drilled in the Unit in 1986.

Well No. 1, a Lower Morrow producer, produced 108.5 MMCF and 6135 BC in 1986 and currently tests 490 MCPD + 29 BCPD. Well No. 2 is completed in the Middle Morrow and produced 55.3 MMCF and 898 BC in 1986. The well currently tests 181 MCPD + 3 BCPD. Well No. 3 is completed in the Middle Morrow and produced 31,400 BO and 272.1 MMCF in 1986. The well currently tests 94 BOPD + 876 MCPD.

Plan of Development and Operations for 1987:

Union has no plans to drill any new wells in the Unit in 1987.

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.

Sincerely yours,

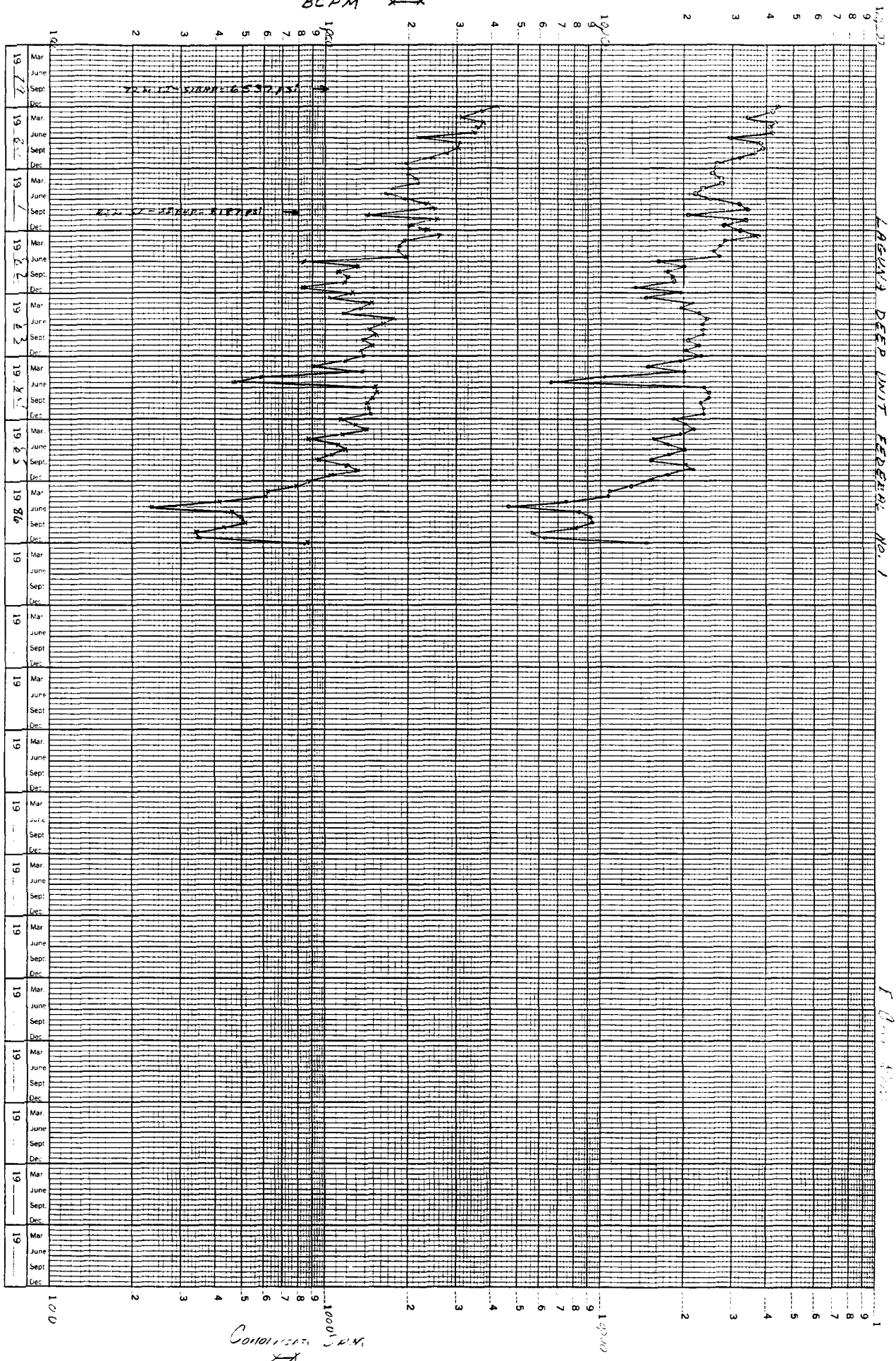
UNION OIL COMPANY OF CALIFORNIA

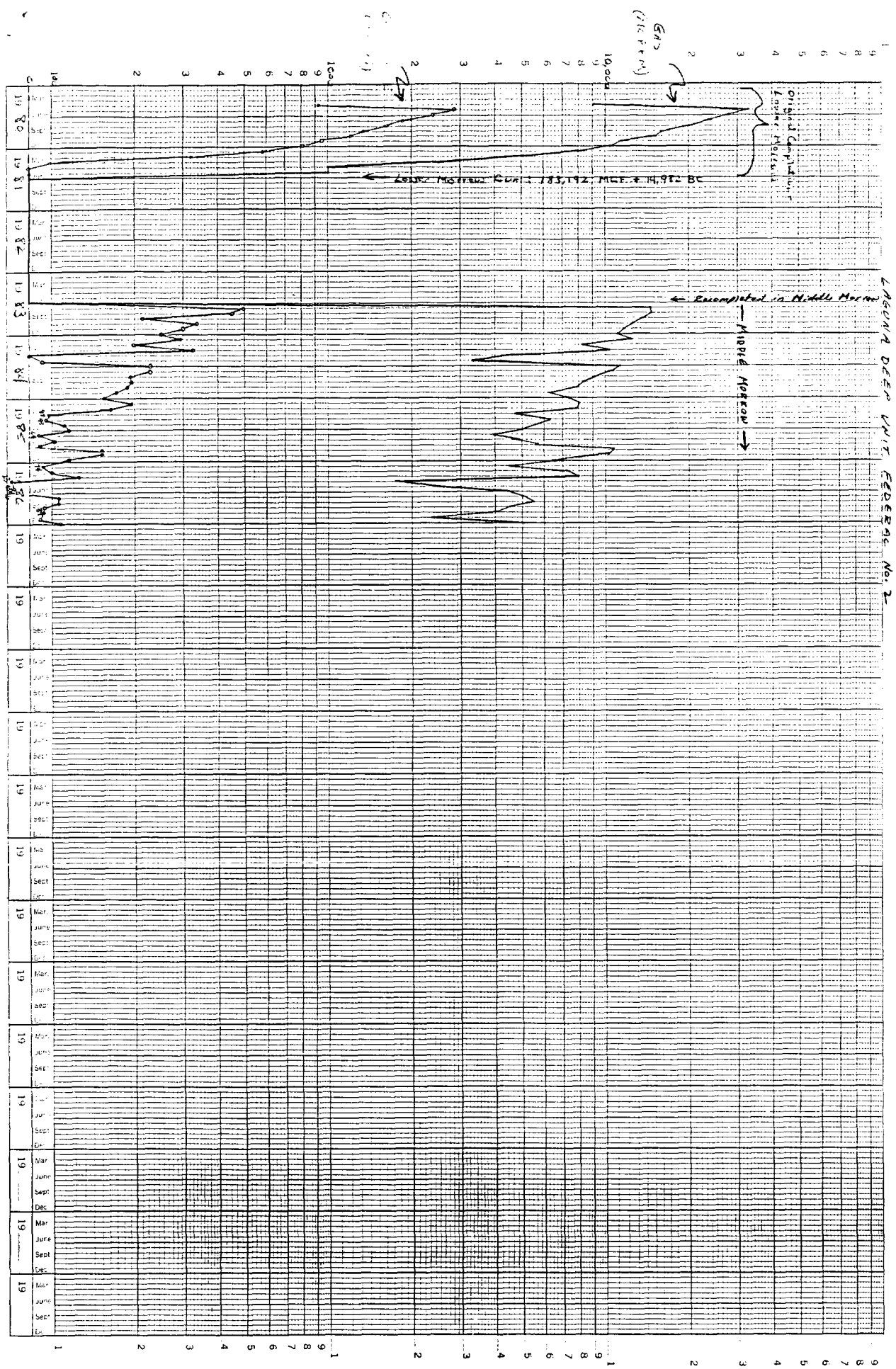

Wayne W. Strong
District Land Manager

WWS:lh

Submitted this 18 day of February, 1987.

KEUFFEL & ESSER CO. MADE IN U.S.A.

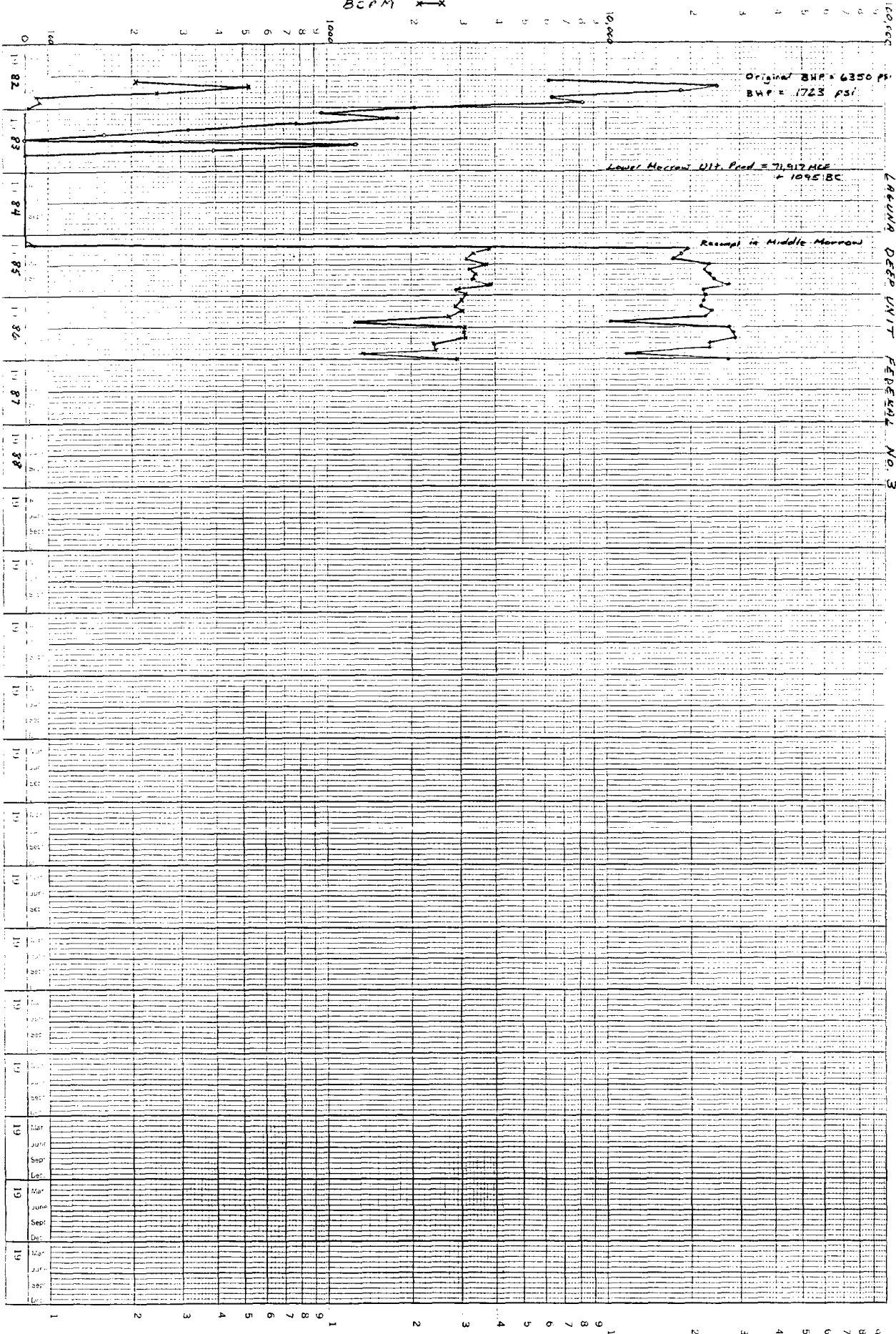




LAGUNA DEEP UNIT FEDERAL No. 2

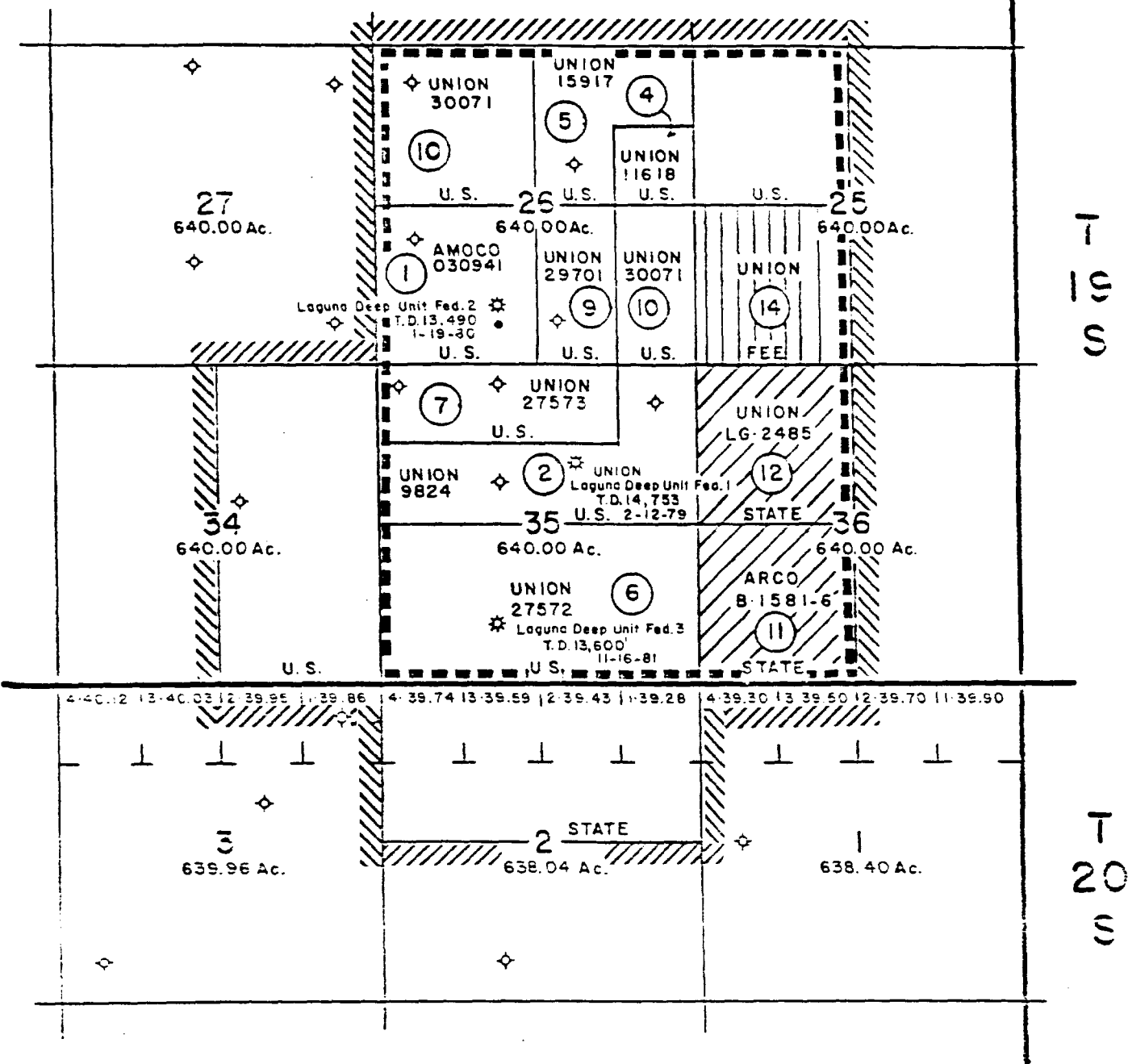
SEM, EAST ALASKA
LEUNA No. 2

MCFPM 1-0
BCPM 2-X



R 33 E

LAGUNA DEEP UNIT



	ORIGINAL UNIT BOUNDARY		
	REVISED UNIT BOUNDARY & PARTICIPATING AREA		
	FEDERAL	1440.00 Ac.	75.00000 %
	STATE	320.00 Ac.	16.66667 %
	FEE	160.00 Ac.	8.33333 %
		1920.00 Ac.	100.00000 %

EXHIBIT "A" - (REVISED)

LAGUNA DEEP UNIT

(AS CONTRACTED EFFECTIVE FEBRUARY 9, 1984)

LEA COUNTY, NEW MEXICO



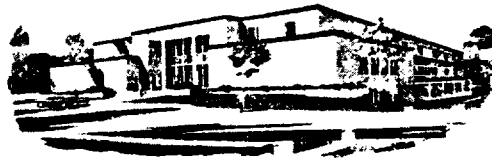
① TRACT NUMBER-EXHIBIT "E"

State of New Mexico

6182



JIM BACA
COMMISSIONER



Commissioner of Public Lands

May 2, 1985

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

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

Re: Laguna Deep Unit
1985 Plan of Development
Lea County, New Mexico

ATTENTION: Mr. Larry Murphy

Gentlemen:

The Commissioner of Public Lands has this date approved your 1985 Plan of Development for the Laguna Deep Unit Area, Lea County, New Mexico. Such plan calls for no new drilling in 1985 and the possible recompletion of the Laguna Deep Well No. 3 in the Middle Morrow formation. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: *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
BLM-Albuquerque, New Mexico
BLM-Roswell, New Mexico

Attn: Fluids Branch
Attn: Mr. Armando Lopez



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
P. O. Box 1397
Roswell, New Mexico 88201

IN REPLY
REFER TO:

14-08-0001-16905
3180 (060)

March 19, 1985

Union Oil Company of California
Attention: Robert V. Lockhart
500 North Marienfeld
Midland, Texas 79702

RE: 1985 Plan of Development
Laguna Deep Unit
Lea County, New Mexico

Gentlemen:

We are in receipt of your letter dated March 1, 1985 which describes your 1985 Plan of Development for the Laguna Deep Unit, Lea County, New Mexico.

Such plan proposing no new drilling in 1985 and recompletion of the LD Unit No. 3 well in the middle Morrow is approved effective January 1, 1985.

Sincerely yours,

S/T. Kreager

Acting District Manager

cc:

Commissioner of Public Lands, Santa Fe

NMOC, Santa Fe

NMSO, Micrographics (943B)



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONY ANAYA
GOVERNOR

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

March 4, 1985

#6182

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

Attention: Larry Murphy

Re: Laguna Deep Unit
1985 Plan of Development
Laguna Prospect (7729)
Lea County, New Mexico

Dear Mr. Murphy:

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/dp

cc: Commissioner of Public Lands - Santa Fe
Bureau of Land Management - Albuquerque
OCD District Office - Hobbs

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

March 1, 1985

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

Attn: Mr. Dick Stamets, Director

Dear Mr. Stamets:

Laguna Deep Unit
1985 Plan of Development
Laguna Prospect (7729)
Lea County, New Mexico

Please find enclosed two (2) copies of Union's Plan of Development for the Laguna Deep Unit. We respectfully request your approval of same.

Should you have any questions, please do not hesitate to contact me.

Yours truly,

UNION OIL COMPANY OF CALIFORNIA

A handwritten signature in cursive script that reads "Larry Murphy".
Larry Murphy
Landman

JLM:dah

Enclosures

1985 PLAN OF DEVELOPMENT AND OPERATION

FOR

Laguna Deep Unit Area
Lea County, New Mexico

Oil Conservation Division
Energy and Minerals Division
TO: Attn: Mr. Dick Stamets
P. O. Box 2088
Santa Fe, NM 87501

UNION OIL COMPANY OF CALIFORNIA, as Unit Operator for the Laguna Deep Unit Area, pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978, (No. 14-08-0001-16905), respectfully submits for approval this 1985 Plan of Development and Operation for the Laguna Deep Unit Area. This plan is for the period ending December 31, 1985.

SUMMARY OF 1984 OPERATIONS:

No new wells were drilled within the Unit in 1984. Well No. 1, a Lower Morrow producer, produced 233,267 MCF and 14,540 BC during 1984 and is currently producing 592 MCFPD and 37 BCPD. Well No. 2, which was plugged back from the Lower Morrow and recompleted in the Middle Morrow in 1983, produced 99,895 MCF and 2248 BC during 1984 and is currently producing 238 MCFPD and 5 BCPD. Well No. 3 did not produce in 1984.


PLAN OF DEVELOPMENT AND OPERATIONS FOR 1985:

Union has no plans to drill any new wells in the Unit in 1985. Based on the successful recompletion of Well No. 2 in 1983, Union has solicited and obtained partner approval to perform a similar Middle Morrow recompletion of Well No. 3 in 1985.

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

SUBMITTED this 1st day of March, 1985.

UNION OIL COMPANY OF CALIFORNIA

By: 
H. Rene Moulipet
District Land Manager (Acting)

1985 PLAN OF DEVELOPMENT AND OPERATION

FOR

Laguna Deep Unit Area
Lea County, New Mexico

Oil Conservation Division
Energy and Minerals Division
TO: Attn: Mr. Dick Stamets
P. O. Box 2088
Santa Fe, NM 87501

UNION OIL COMPANY OF CALIFORNIA, as Unit Operator for the Laguna Deep Unit Area, pursuant to the provisions of Section 10 of the Unit Agreement for Development and Operation of the Laguna Deep Unit Area, dated June 22, 1978, (No. 14-08-0001-16905), respectfully submits for approval this 1985 Plan of Development and Operation for the Laguna Deep Unit Area. This plan is for the period ending December 31, 1985.

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PLAN OF DEVELOPMENT AND OPERATIONS FOR 1985:

Union has no plans to drill any new wells in the Unit in 1985. Based on the successful recompletion of Well No. 2 in 1983, Union has solicited and obtained partner approval to perform a similar Middle Morrow recompletion of Well No. 3 in 1985.

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

SUBMITTED this 1st day of March, 1985.

UNION OIL COMPANY OF CALIFORNIA

By: 
H. Rene Moulinet
District Land Manager (Acting)



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONY ANAYA
GOVERNOR

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

November 5, 1984

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

Attention: Robert V. Lockhart

Re: Laguna Deep Unit
No. 14-08-0001-16905
Lea County, New Mexico
Automatic Contraction
to Laguna Deep Unit
Morrow Participating Area
Effective February 9, 1984

Dear Mr. Lockhart:

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,

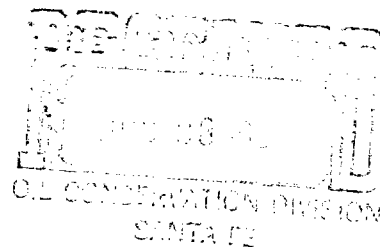
ROY E. JOHNSON
Senior Petroleum Geologist

REJ/dp

cc: Commissioner of Public Lands - Santa Fe
Bureau of Land Management - Albuquerque
OCD District Office - Hobbs

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

May 31, 1984

#6182

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

*Unit
letter*

Gentlemen:

Laguna Deep Unit
No. 14-08-0001-16905
Lea County, New Mexico
Automatic Contraction
to Laguna Deep Unit
Morrow Participating Area
Effective February 9, 1984

Pursuant to Subsection 2(e) of the Laguna Deep Unit Agreement, Union Oil Company of California as Unit Operator submits for your approval, the following description of lands eliminated from said Agreement as a result of the automatic contraction of the unit, effective as of February 9, 1984:

<u>Township 19 South, Range 33 East</u>	<u>Acres</u>	
Section 34: E/2:	320.00	Federal
<u>Township 20 South, Range 33 East</u>		
Section 2: N/2	318.04	State
	<u>638.04</u>	

Attached and also submitted for your approval are revised Exhibits "A" and "B" for the Laguna Deep Unit, as contracted.

Applicant respectfully requests approval of the elimination, effective as of February 9, 1984, of the above described lands from the Laguna Deep Unit Agreement, and also requests approval of the attached revised Exhibits "A" and "B" for the Laguna Deep Unit as contracted.

May 31, 1984
Laguna Deep Unit
No. 14-08-0001-16905
Lea County, New Mexico
Page 2 of 2

Upon receipt of such approval, we shall send appropriate notification of the foregoing to all other parties in interest as required by Subsection 2(e) of the Unit Agreement.

UNION OIL COMPANY OF CALIFORNIA

By: Robert V. Lockhart *by*
Robert V. Lockhart *LH*
District Land Manager

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

UNI 76 N

Robert V. Lockhart

District Land Manager
Midland District

May 31, 1984

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

Gentlemen:

Laguna Deep Unit
No. 14-08-0001-16905
Lea County, New Mexico
Automatic Contraction
to Laguna Deep Unit
Morrow Participating Area
Effective February 9, 1984

Pursuant to Subsection 2(e) of the Laguna Deep Unit Agreement, Union Oil Company of California as Unit Operator submits for your approval, the following description of lands eliminated from said Agreement as a result of the automatic contraction of the unit, effective as of February 9, 1984:

<u>Township 19 South, Range 33 East</u>	<u>Acres</u>	
Section 34: E/2:	320.00	Federal
<u>Township 20 South, Range 33 East</u>		
Section 2: N/2	<u>318.04</u>	State
	638.04	

Attached and also submitted for your approval are revised Exhibits "A" and "B" for the Laguna Deep Unit, as contracted.

Applicant respectfully requests approval of the elimination, effective as of February 9, 1984, of the above described lands from the Laguna Deep Unit Agreement, and also requests approval of the attached revised Exhibits "A" and "B" for the Laguna Deep Unit as contracted.

May 31, 1984
Laguna Deep Unit
No. 14-08-0001-16905
Lea County, New Mexico
Page 2 of 2

Upon receipt of such approval, we shall send appropriate notification of the foregoing to all other parties in interest as required by Subsection 2(e) of the Unit Agreement.

UNION OIL COMPANY OF CALIFORNIA

By: Robert V. Lockhart by LHA
Robert V. Lockhart
District Land Manager

R 33 E

LAGUNA DEEP UNIT

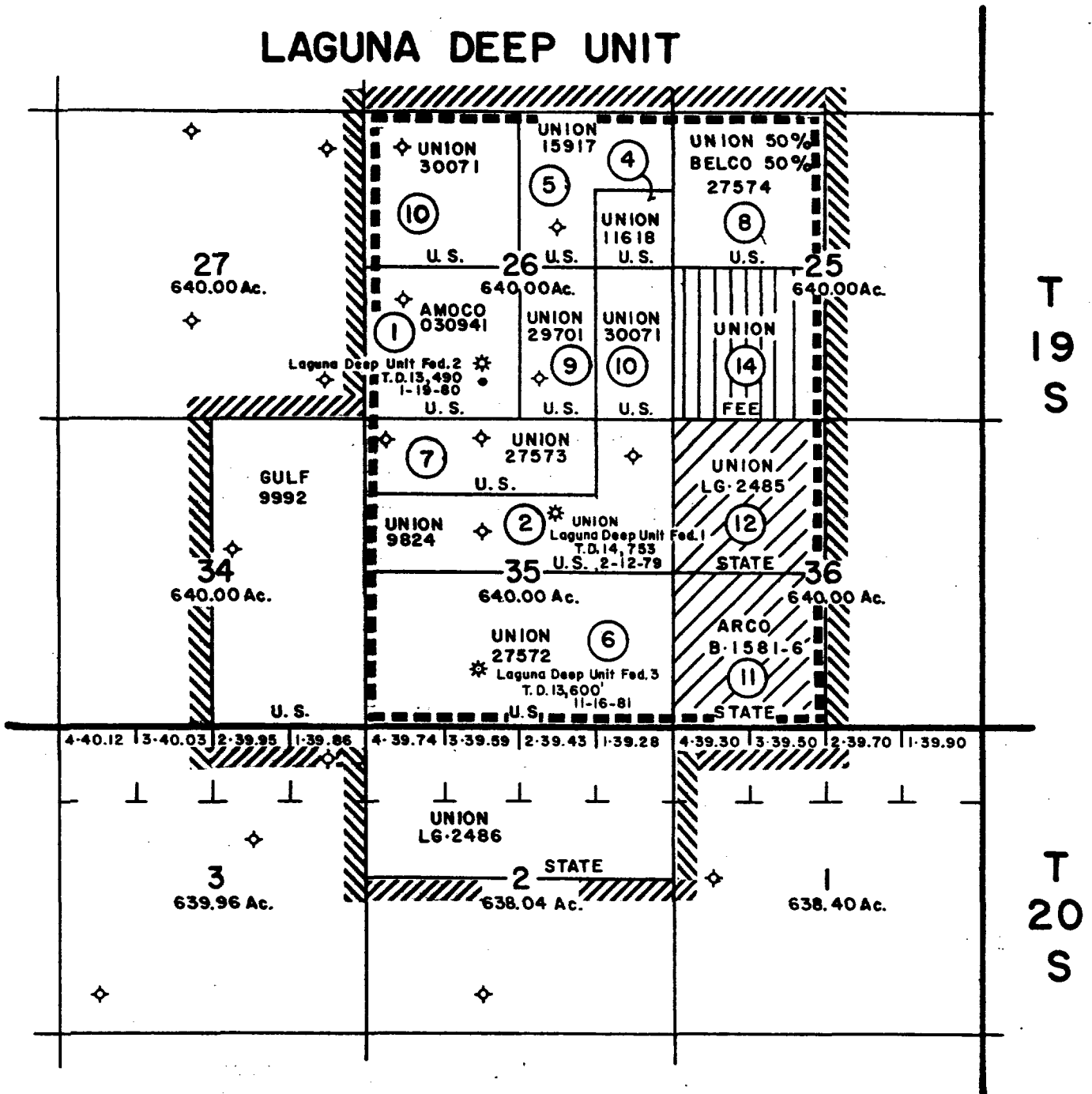


EXHIBIT "A" - (REVISED)

LAGUNA DEEP UNIT

(AS CONTRACTED EFFECTIVE FEBRUARY 9, 1984)

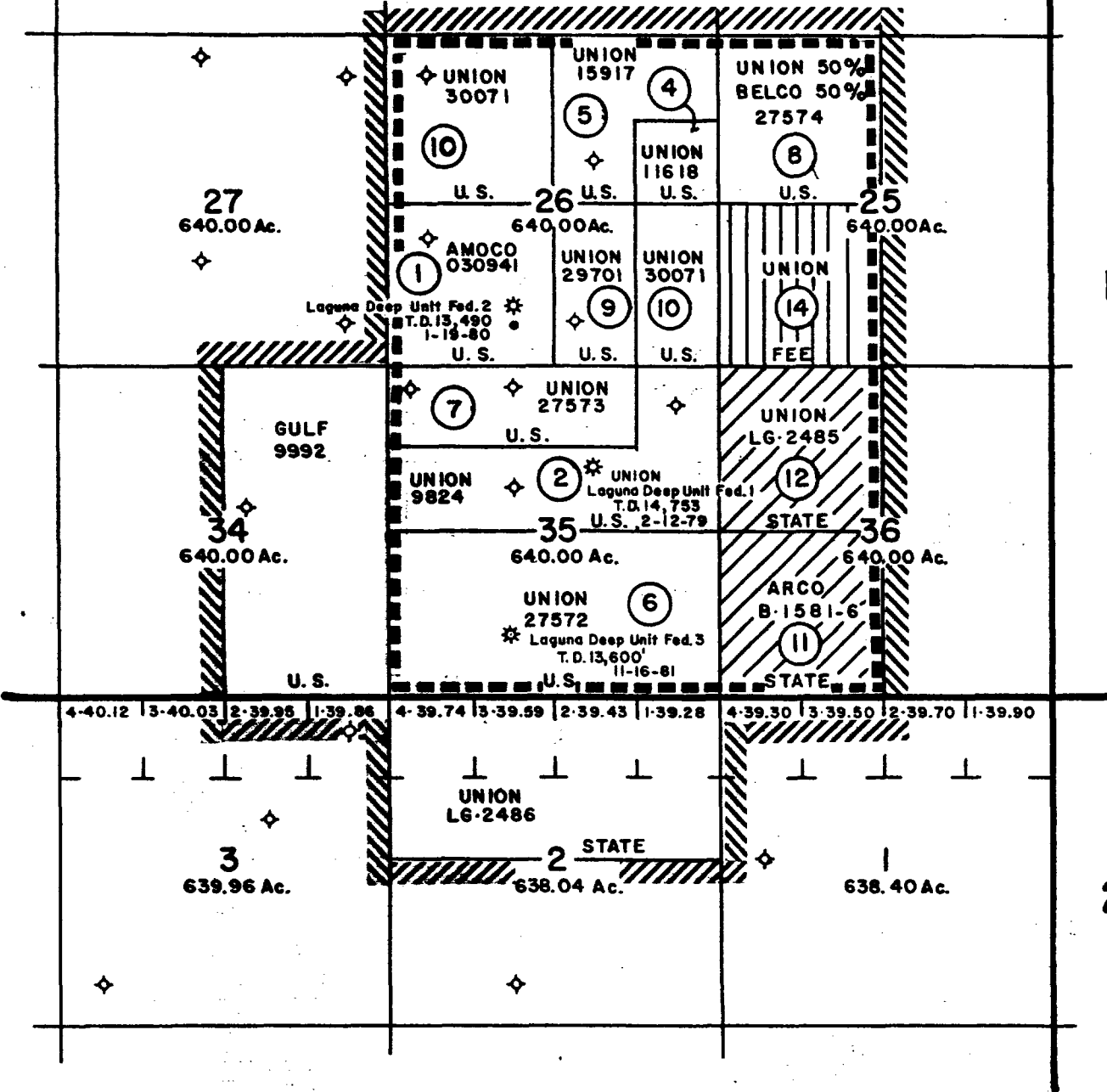
LEA COUNTY, NEW MEXICO



① TRACT NUMBER-EXHIBIT "B"

R 33 E

LAGUNA DEEP UNIT



T 19 S

T 20 S

EXHIBIT "A" - (REVISED)

LAGUNA DEEP UNIT

(AS CONTRACTED EFFECTIVE FEBRUARY 9, 1984)

LEA COUNTY, NEW MEXICO



① TRACT NUMBER-EXHIBIT "B"

REVISED EXHIBIT B -- LAGUNA DEEP UNIT, LEA COUNTY, NEW MEXICO, T-19 & 20-S, R-33-E AS CONTRACTED EFFECTIVE 2/9/84

Tract No.	Description of Land	Number of Acres	Ser. No. & Exp. Date of Lease	Basic Royalty and Ownership Percentage	Lessee of Record	Overriding Royalty and Percentage	Working Interest and Percentage
1	FEDERAL LAND T-19-S, R-33-E Sec. 26: SW/4	160.00	NM-030941 HBP	U.S.A. (12.50%)	Amoco Production Company	Virginia Willis Hess, Personal Representative of the Estate of Eugenia W. Bate, Deceased 1 1/2% of 8/8 R.M. Hess & Virginia W. Hess, Trustees Under Agreement dated 4/10/72 1% of 8/8 Elizabeth W. Christensen and husband, Don T. Christensen 1/2% of 8/8 Winifred T. Seaton 1/2% of 8/8 Jo Ann W. Light & husband Robert S. Light 1/2% of 8/8	Amoco Production Company - 100%
2	Sec. 35: NE/4NE/4, S/2N/2	200.00	NM-9824 7/31/79	U.S.A. (12.50%)	Union Oil Company of California	W. Felck, Jr. & wife, Joan M. Felck \$750 p/a PPI out of 5%	Union Oil Co. of California 100%
3	T-19-S, R-33-E Sec. 26: SE/4NE/4	40.00	NM-11618 4/30/80	U.S.A. (12.50%)	Union Oil Company of California	Calvin A. Mitchell and wife, Evelyn Mitchell 4% Leo Pollack 1/4% M. A. Schofman 3/4%	Union Oil Co. of California 100%
4	Sec. 26: N/2NE/4, SW/4NE/4	120.00	NM-15917 6/30/82	U.S.A. (12.50%)	Union Oil Company of California	Gwen P. Taylor & husband, Charles G. Taylor, and Carl A. Nilsen & wife, Georjeanne Nilsen 5%	Union Oil Co. of California 100%

REVISED EXHIBIT B -- LAGUNA DEEP UNIT, LEA COUNTY, NEW MEXICO, T-19 & 20-S, R-33-E AS CONTRACTED EFFECTIVE 2/9/84

Tract No.	Description of Land	Number of Acres	Ser. No. & Exp. Date of Lease	Basic Royalty and Ownership Percentage		Lessee of Record	Overriding Royalty and Percentage		Working Interest and Percentage
6	Sec. 35: S/2	320.00	NM-27572 5/31/83	U.S.A. (12.50%)		Union Oil Company of California	Bakersfield Investment Trust, Lucille Wilson, Trustee 2 1/2% Bank of America, NT&SA, as Trustee of the Charles E. Strange 1976 Trust #1 1 1/2% of 8/8 C. E. Strange & wife, Sherrie R. Strange 1% of 8/8		Union Oil Co. of California - 100%
7	Sec. 35: NW/4NE/4, N/2NW/4	120.00	NM-27573 11/30/78	U.S.A. (Schedule "B")		Union Oil Company of California	None		Union Oil Co. of California 100%
8	Sec. 25: NW/4	160.00	NM-27574 5/31/85	U.S.A. (12.50%)		Belco Petroleum Corporation - 50% Union Oil Company of California-50%	Herbert A. Settles & wife, Beatrice C. Settles 5%		Belco Petroleum Corp. - 50%; Union Oil Co. of California - 50%
9	T-19-S, R-33-E Sec. 26: W/2SE/4	80.00	NM-29701 2/28/82	U.S.A. (Schedule "B")		Union Oil Company of California	None		Union Oil Co. of California 100%
10	Sec. 26: NW/4, E/2SE/4	240.00	NM-30071 4/30/87	U.S.A. (12.50%)		Union Oil Company of California	Carol L. Teigen & Theodore H. Teigen, Jr. 5%		Union Oil Co. of California-100%
9 FEDERAL TRACTS 1,440.00 ACRES OR 75.00000% OF UNIT AREA.									
NEW MEXICO STATE LAND									
11	T-19-S, R-33-E Sec. 36: SW/4	160.00	B-1581-6 HBP	State of New Mexico (12.50%)		Atlantic Richfield Company	None		Atlantic Richfield Company- 100%

REVISED EXHIBIT B -- LAGUNA DEEP UNIT, LEA COUNTY, NEW MEXICO, T-19 & 20-S, R-33-E AS CONTRACTED EFFECTIVE 2/9/84

Tract No.	Description of Land	Number of Acres	Ser. No. & Exp. Date of Lease	Basic Royalty and Ownership Percentage	Lessee of Record	Overriding Royalty and Percentage	Working Interest and Percentage
12	Sec. 36: NW/4	160.00	LG-2485 1/1/85	State of New Mexico (12.50%)	Union Oil Company of California	None	Union Oil Co. of California - 100%

2 STATE TRACTS 320.00 ACRES OR 16.66667% OF UNIT AREA.

PATENTED LAND							
14	T-19-S, R-33-E Sec. 25: SW/4	160.00	12/20/77* 12/20/80*	Mark Smith & wife, Annie Lora Smith; Kenneth Mark Smith & wife, Patsy Lou Smith; William C. Smith & wife, Nancy Jean Smith; Lora Nell Glenn & husband, William Jeff Glenn (18.75%)	Union Oil Company of California	None	Union Oil Co. of California - 100%

1 PATENTED TRACT 160.00 ACRES OR 8.33333% OF UNIT AREA.

TOTAL: 14 TRACTS 2,558.04 ACRES IN ENTIRE UNIT AREA.

*Lease has been renewed by Oil & Gas Lease dated June 4, 1977, recorded in Vol 304, Page 260, of the Records of Lea County, New Mexico.
Primary term is stated as being 3 years from 12/20/77.

REVISED EXHIBIT B -- LAGUNA DEEP UNIT, LEA COUNTY, NEW MEXICO, T-19 & 20-S, R-33-E AS CONTRACTED EFFECTIVE 2/9/84

Tract No.	Description of Land	Number of Acres	Ser. No. & Exp. Date of Lease	Basic Royalty and Ownership Percentage	Lessee of Record	Overriding Royalty and Percentage	Working Interest and Percentage
FEDERAL LAND							
T-19-S, R-33-E		160.00	NM-030941	U.S.A.	Amoco Production Company	Virginia Willis Hess, Personal Representative of the Estate of Eugenia W. Bate, Deceased 1 1/2% of 8/8 R.M. Hess & Virginia W. Hess, Trustees Under Agreement dated 4/10/72 1% of 8/8 Elizabeth W. Christensen and husband, Don T. Christensen 1/2% of 8/8 Winifred T. Seaton 1/2% of 8/8 Jo Ann W. Light & husband Robert S. Light 1/2% of 8/8	Amoco Production Company - 100%
Sec. 26: SW/4			HBP	(12.50%)			
2	Sec. 35: NE/4NE/4, S/2N/2	200.00	NM-9824 7/31/79	U.S.A. (12.50%)	Union Oil Company of California	W. Felck, Jr. & wife, Joan M. Felck \$750 p/a PPI out of 5%	Union Oil Co. of California 100%
3	T-19-S, R-33-E	40.00	NM-11618 4/30/80	U.S.A. (12.50%)	Union Oil Company of California	Calvin A. Mitchell and wife, Evelyn Mitchell 4% Leo Pollack 1/4% M. A. Schofman 3/4%	Union Oil Co. of California 100%
4	Sec. 26: N/2NE/4, SW/4NE/4	120.00	NM-15917 6/30/82	U.S.A. (12.50%)	Union Oil Company of California	Gwen P. Taylor & husband, Charles G. Taylor, and Carl A. Nilsen & wife, Georgetanne Nilsen 5%	Union Oil Co. of California 100%

REVISED EXHIBIT B -- LAGUNA DEEP UNIT, LEA COUNTY, NEW MEXICO, T-19 & 20-S, R-33-E AS CONTRACTED EFFECTIVE 2/9/84

Tract No.	Description of Land	Number of Acres	Ser. No. & Exp. Date of Lease	Basic Royalty and Ownership Percentage	Lessee of Record	Overriding Royalty and Percentage	Working Interest and Percentage
6	Sec. 35: S/2	320.00	NM-27572 5/31/83	U.S.A. (12.50%)	Union Oil Company of California	Bakersfield Investment Trust, Lucille Wilson, Trustee 2 1/2% Bank of America, NT&SA, as Trustee of the Charles E. Strange 1976 Trust #1 1 1/2% of 8/8 C. E. Strange & wife, Sherrie R. Strange 1% of 8/8	Union Oil Co. of California - 100%
7	Sec. 35: NW/4NE/4, N/2NW/4	120.00	NM-27573 11/30/78	U.S.A. (Schedule "B")	Union Oil Company of California	None	Union Oil Co. of California 100%
8	Sec. 25: NW/4	160.00	NM-27574 5/31/85	U.S.A. (12.50%)	Belco Petroleum Corporation - 50% Union Oil Company of California-50%	Herbert A. Settles & wife, Beatrice C. Settles 5%	Belco Petroleum Corp. - 50%; Union Oil Co. of California - 50%
9	<u>T-19-S, R-33-E</u> Sec. 26: W/2SE/4	80.00	NM-29701 2/28/82	U.S.A. (Schedule "B")	Union Oil Company of California	None	Union Oil Co. of California 100%
10	Sec. 26: NW/4, E/2SE/4	240.00	NM-30071 4/30/87	U.S.A. (12.50%)	Union Oil Company of California	Carol L. Teigen & Theodore H. Teigen, Jr. 5%	Union Oil Co. of California-100%
9 FEDERAL TRACTS 1,440.00 ACRES OR 75.00000% OF UNIT AREA.							
NEW MEXICO STATE LAND							
11	<u>T-19-S, R-33-E</u> Sec. 36: SW/4	160.00	B-1581-6 HBP	State of New Mexico (12.50%)	Atlantic Richfield Company	None	Atlantic Richfield Company-100%

REVISED EXHIBIT B -- LAGUNA DEEP UNIT, LEA COUNTY, NEW MEXICO, T-19 & 20-S, R-33-E AS CONTRACTED EFFECTIVE 2/9/84

Tract No.	Description of Land	Number of Acres	Ser. No. & Exp. Date of Lease	Basic Royalty and Ownership Percentage	Lessee of Record	Overriding Royalty and Percentage	Working Interest and Percentage
12	Sec. 36: NW/4	160.00	LG-2485 1/1/85	State of New Mexico (12.50%)	Union Oil Company of California	None	Union Oil Co. of California 100%

2 STATE TRACTS 320.00 ACRES OR 16.66667% OF UNIT AREA.

PATENTED LAND							
14	T-19-S, R-33-E Sec. 25: SW/4	160.00	12/20/77* 12/20/80*	Mark Smith & wife, Annie Lora Smith; Kenneth Mark Smith & wife, Patsy Lou Smith; William C. Smith & wife, Nancy Jean Smith; Lora Neil Glenn & husband, William Jeff Glenn (18.75%)	Union Oil Company of California	None	Union Oil Co. of California 100%

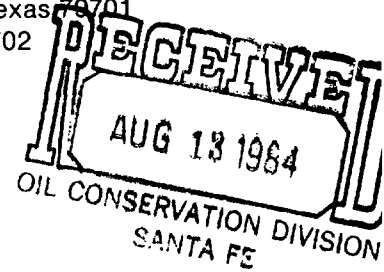
1 PATENTED TRACT 160.00 ACRES OR 8.33333% OF UNIT AREA.

TOTAL: 14 TRACTS 2,558.04 ACRES IN ENTIRE UNIT AREA.

*Lease has been renewed by Oil & Gas Lease dated June 4, 1977, recorded in Vol 304, Page 260, of the Records of Lea County, New Mexico.
Primary term is stated as being 3 years from 12/20/77.

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

August 7, 1984

#6182

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

Gentlemen:

Laguna Deep Unit
No. 14-08-0001-16905
Automatic Contraction to Laguna
Deep Unit Morrow Participating
Area Effective February 9, 1984
Lea County, New Mexico

By letter dated May 31, 1984, Union sent you revised Exhibits "A" and "B" for the Laguna Deep Unit, as contracted, and requested approval of the elimination of certain lands.

It has come to my attention that there were certain errors in Exhibit "B". Please find enclosed a corrected Exhibit "B", which now agrees with Exhibit "A". Please destroy the other copies of Exhibit "B" provided to you earlier.

Please forgive this inconvenience to you.

Sincerely,

UNION OIL COMPANY OF CALIFORNIA

A handwritten signature in cursive script, appearing to read "Linda H. Hicks".

Linda H. Hicks
Landman

xc: Working Interest Owners
Jim Rose - Region

Enclosure

LHH:njd

REVISED EXHIBIT B -- LAGUNA DEEP UNIT, LEA COUNTY, NEW MEXICO, T-19-S, R-33-E - AS CONTRACTED EFFECTIVE 2/9/84

Tract No.	Description of Land	Number of Acres	Ser. No. & Exp. Date of Lease	Basic Royalty and Ownership Percentage	Lessee of Record	Overriding Royalty and Percentage	Working Interest and Percentage
1	FEDERAL LAND T-19-S, R-33-E Sec. 26: SW/4	160.00	NM-030941 HBP	U.S.A. (12.50%)	Amoco Production Company	Virginia Willis Hess, Personal Representative of the Estate of Eugenia W. Bate, Deceased 1 1/2% of 8/8 R.M. Hess & Virginia W. Hess, Trustees Under Agreement dated 4/10/72 1% of 8/8 Elizabeth W. Christensen and husband, Don T. Christensen 1/2% of 8/8 Winifred T. Seaton 1/2% of 8/8 Jo Ann W. Light & husband Robert S. Light 1/2% of 8/8	Amoco Production Company - 100%
2	Sec. 35: NE/4NE/4, S/2N/2	200.00	NM-9824 7/31/79	U.S.A. (12.50%)	Union Oil Company of California	W. Felck, Jr. & wife, Joan M. Felck \$750 p/a PPI out of 5%	Union Oil Co. of California- 100%
4	Sec. 26: SE/4NE/4	40.00	NM-11618 4/30/80	U.S.A. (12.50%)	Union Oil Company of California	Calvin A. Mitchell and wife, Evelyn Mitchell 4% Leo Pollack 1/4% M. A. Schofman 3/4%	Union Oil Co. of California - 100%
5	Sec. 26: N/2NE/4, SW/4NE/4	120.00	NM-15917 6/30/82	U.S.A. (12.50%)	Union Oil Company of California	Gwen P. Taylor & husband, Charles G. Taylor, and Carl A. Nilsen & wife, Georgerne Nilsen 5%	Union Oil Co. of California - 100%

Tract No.	Description of Land	Number of Acres	Sec. No. & Exp. Date of Lease	Basic Royalty and Ownership Percentage	Lessee of Record	Overriding Royalty and Percentage	Working Interest and Percentage
6	Sec. 35: S/2	320.00	NM-27572 5/31/83	U.S.A. (12.50%)	Union Oil Company of California	Bakersfield Investment Trust, Lucille Wilson, Trustee 2 1/2% Bank of America, NT&SA, as Trustee of the Charles E. Strange 1976 Trust #1 1 1/2% of 8/8 C. E. Strange & wife, Sherrie R. Strange 1% of 8/8	Union Oil Co. of California - 100%
7	Sec. 35: NW/4NE/4, N/2NW/4	120.00	NM-27573 11/30/78	U.S.A. (Schedule "B")	Union Oil Company of California	None	Union Oil Co. of California 100%
8	Sec. 25: NW/4	160.00	NM-27574 5/31/85	U.S.A. (12.50%)	Belco Petroleum Corporation - 50% Union Oil Company of California-50%	Herbert A. Settles & wife, Beatrice C. Settles 5%	Belco Petroleum Corp. - 50%; Union Oil Co. of California - 50%
9	Sec. 26: W/2SE/4	80.00	NM-29701 2/28/82	U.S.A. (Schedule "B")	Union Oil Company of California	None	Union Oil Co. of California 100%
10	Sec. 26: NW/4, E/2SE/4	240.00	NM-30071 4/30/87	U.S.A. (12.50%)	Union Oil Company of California	Carol L. Teigen & Theodore H. Teigen, Jr. 5%	Union Oil Co. of California-100%
9 FEDERAL TRACTS 1,440.00 ACRES OR 75.00000% OF UNIT AREA.							
NEW MEXICO STATE LAND							
11	Sec. 36: SW/4	160.00	B-1581-6 HBP	State of New Mexico (12.50%)	Atlantic Richfield Company	None	Atlantic Richfield Company-100%

Tract No.	Description of Land	Number of Acres	Ser. No. & Exp. Date of Lease	Basic Royalty and Ownership Percentage	Lessee of Record	Overriding Royalty and Percentage	Working Interest and Percentage
12	Sec. 36: NW/4	160.00	LG-2485 1/1/85	State of New Mexico (12.50%)	Union Oil Company of California	None	Union Oil Co. of California - 100%
2 STATE TRACTS 320.00 ACRES OR 16.66667% OF UNIT AREA.							
PATENTED LAND							
14	Sec. 25: SW/4	160.00	12/20/77* 12/20/80*	Mark Smith & wife, Annie Lora Smith; Kenneth Mark Smith & wife, Patsy Lou Smith; William C. Smith & wife, Nancy Jean Smith; Lora Nell Glenn & husband, William Jeff Glenn (18.75%)	Union Oil Company of California	None	Union Oil Co. of California - 100%

1 PATENTED TRACT 160.00 ACRES OR 8.33333% OF UNIT AREA.

TOTAL: 12 TRACTS 1,920.00 ACRES IN ENTIRE UNIT AREA

*Lease has been renewed by Oil & Gas Lease dated June 4, 1977, recorded in Vol 304, Page 260, of the Records of Lea County, New Mexico. Primary term is stated as being 3 years from 12/20/77.

REVISED EXHIBIT B -- LAGUNA DEEP UNIT, LEA COUNTY, NEW MEXICO, T-19-S, R-33-E - AS CONTRACTED EFFECTIVE 2/9/84

Tract No.	Description of Land	Number of Acres	Ser. No. & Exp. Date of Lease	Basic Royalty and Ownership Percentage	Lessee of Record	Overriding Royalty and Percentage	Working Interest and Percentage
1	FEDERAL LAND T-19-S, R-33-E Sec. 26: SW/4	160.00	NM-030941 HBP	U.S.A. (12.50%)	Amoco Production Company	Virginia Willis Hess, Personal Representative of the Estate of Eugenia W. Bate, Deceased 1 1/2% of 8/8 R.M. Hess & Virginia W. Hess, Trustees Under Agreement dated 4/10/72 1% of 8/8 Elizabeth W. Christensen and husband, Don T. Christensen 1/2% of 8/8 Winifred T. Seaton 1/2% of 8/8 Jo Ann W. Light & husband Robert S. Light 1/2% of 8/8	Amoco Production Company - 100%
2	Sec. 35: NE/4NE/4, S/2N/2	200.00	NM-9824 7/31/79	U.S.A. (12.50%)	Union Oil Company of California	W. Felck, Jr. & wife, Joan M. Felck \$750 p/a PPI out of 5%	Union Oil Co. of California- 100%
4	Sec. 26: SE/4NE/4	40.00	NM-11618 4/30/80	U.S.A. (12.50%)	Union Oil Company of California	Calvin A. Mitchell and wife, Evelyn Mitchell 4% Leo Pollack 1/4% M. A. Schofman 3/4%	Union Oil Co. of California - 100%
5	Sec. 26: N/2NE/4, SW/4NE/4	120.00	NM-15917 6/30/82	U.S.A. (12.50%)	Union Oil Company of California	Gwen P. Taylor & husband, Charles G. Taylor, and Carl A. Nilsen & wife, Georgeanne Nilsen 5%	Union Oil Co. of California - 100%

Tract No.	Description of Land	Number of Acres	Ser. No. & Exp. Date of Lease	Basic Royalty and Ownership Percentage	Lessor of Record	Overriding Royalty and Percentage	Working Interest and Percentage
6	Sec. 35: S/2	320.00	NM-27572 5/31/83	U.S.A. (12.50%)	Union Oil Company of California	Bakersfield Investment Trust, Lucille Wilson, Trustee 2 1/2% Bank of America, NT&SA, as Trustee of the Charles E. Strange 1976 Trust #1 1 1/2% of 8/8 C. E. Strange & wife, Sherrie R. Strange 1% of 8/8	Union Oil Co. of California - 100%
7	Sec. 35: NW/4NE/4, N/2NW/4	120.00	NM-27573 11/30/78	U.S.A. (Schedule "B")	Union Oil Company of California	None	Union Oil Co. of California 100%
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9 FEDERAL TRACTS 1,440.00 ACRES OR 75.000000% OF UNIT AREA.							
NEW MEXICO STATE LAND							
11	Sec. 36: SW/4	160.00	B-1581-6 HBP	State of New Mexico (12.50%)	Atlantic Richfield Company	None	Atlantic Richfield Company-100%

Tract No.	Description of Land	Number of Acres	Ser. No. & Exp. Date of Lease	Basic Royalty and Ownership Percentage	Lessee of Record	Overriding Royalty and Percentage	Working Interests and Percentage
12	Sec. 36: NW/4	160.00	LG-2485 1/1/85	State of New Mexico (12.50%)	Union Oil Company of California	None	Union Oil Co. of California 100%

2 STATE TRACTS 320.00 ACRES OR 16.66667% OF UNIT AREA.

PATENTED LAND							
14	Sec. 25: SW/4	160.00	12/20/77* 12/20/80*	Mark Smith & wife, Annie Lora Smith; Kenneth Mark Smith & wife, Patsy Lou Smith; William C. Smith & wife, Nancy Jean Smith; Lora Nell Glenn & husband, William Jeff Glenn (18.75%)	Union Oil Company of California	None	Union Oil Co. of California 100%

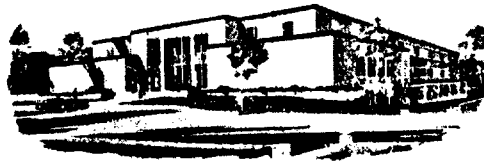
1 PATENTED TRACT 160.00 ACRES OR 8.33333% OF UNIT AREA.

TOTAL: 12 TRACTS 1,920.00 ACRES IN ENTIRE UNIT AREA

*Lease has been renewed by Oil & Gas lease dated June 4, 1977, recorded in Vol 304, Page 260, of the Records of Lea County, New Mexico.
Primary term is stated as being 3 years from 12/20/77.

State of New Mexico

#6182



JIM BACA
COMMISSIONER

Commissioner of Public Lands

April 17, 1984

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

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

Re: 1984 Plan of Development
Laguna Deep Unit
Lea County, New Mexico

ATTENTION: Mr. H. Rene' Moulinet

Gentlemen:

The Commissioner of Public Lands has this date approved your 1984 Plan of Development for the Laguna Deep Unit, Lea County, New Mexico. Such plan based on the apparent successful recompletion of the Unit Well No. 2, proposes to evaluate the Unit Well No. 3 for a similar recompletion from the Lower Morrow to the Middle Morrow. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

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

JB/RDG/pm
encls.

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



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Roswell District Office

P. O. Box 1397

Roswell, New Mexico 88201

IN REPLY
REFER TO:

Laguna Deep Unit

April 9, 1984

Union Oil Company of California
Attention: Mr. H. Rene' Moulinet
500 North Marienfeld
P.O. Box 671
Midland, TX 79702

Gentlemen:

Enclosed are two approved copies of your 1984 Plan of Development and Operation for the Laguna Deep Unit Area, Lea County, New Mexico, covering the period beginning January 1, 1984 and ending December 31, 1984. This plan, proposing that based upon the apparent successful recompletion of Unit Well No. 2, Unit Well No. 3 will be evaluated for a similar recompletion from the Lower Morrow to the Middle Morrow during 1984, was approved this date, subject to like approval by the New Mexico Commissioner of Public Lands and the New Mexico Oil Conservation Division.

Sincerely yours,

District Manager

Enclosures: (2)

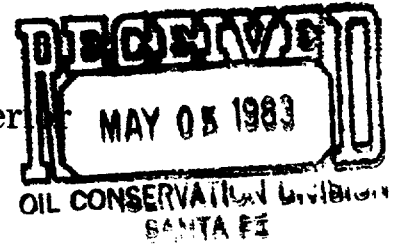
cc: ✓ NMOCD, Santa Fe



IN REPLY
REFER TO:

United States Department of the Interior

MINERALS MANAGEMENT SERVICE
SOUTH CENTRAL REGION
505 MARQUETTE AVENUE, N.W., SUITE 815
ALBUQUERQUE, NEW MEXICO 87102



*Case
6182*

Union Oil Company of California
Attention: H. Rene' Moulinet
P. O. Box 671
Midland, Texas 79702

Gentlemen:

Two approved copies of your 1983 plan of development for the Laguna Deep unit area, Lea County, New Mexico are enclosed. Such plan, proposing to recomplete the Laguna Deep Unit well No. 2 in the Middle Morrow was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) JAMES W. SHELTON

Assistant District Manager
for Minerals

Enclosures

cc:
Comm of Pub Lands, Santa Fe
NMOCD, Santa Fe ✓

State of New Mexico



JIM BACA
COMMISSIONER

Commissioner of Public Lands

April 4, 1983

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

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

*Case
6182*

Re: 1983 Plan of Development
Laguna Deep Unit
Lea County, New Mexico

ATTENTION: H. Rene' Moulinet

Gentlemen:

The Commissioner of Public Lands has this date approved your 1983 Plan of Development for the **Laguna Deep Unit**, Lea County, New Mexico. Such plan proposes that the Well No. 2, which is located in the SW/4 of Section 26, be recompleted in the Middle Morrow and this work will be used to evaluate the potential for other Laguna recompletions and additional drilling. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

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

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

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

JB/RDG/pm
encls.

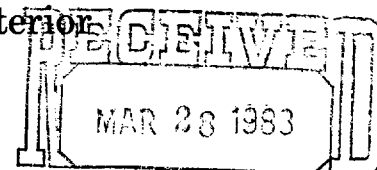
cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico



IN REPLY
REFER TO:

United States Department of the Interior

MINERALS MANAGEMENT SERVICE
SOUTH CENTRAL REGION
505 MARQUETTE AVENUE, N.W., SUITE 815
ALBUQUERQUE, NEW MEXICO 87102



OIL CONSERVATION DIVISION
SANTA FE

MAR 25 1983

Exxon Company, U.S.A.
Attention: Richard D. Sorenson
P. O. Box 1600
Midland, Texas 79702

Gentlemen:

Based on the new information that was submitted on November 16, 1982, we concur that the ~~Laguna Grande~~ well No. 3 is capable of producing unitized substances in paying quantities. Therefore, your application requesting approval of the initial participating area for the Laguna Grande Unit Agreement, Eddy County, New Mexico, No. 14-08-0001-14272, was approved on this date. Under the terms in section 11 of the unit agreement the initial participating area is effective as of January 16, 1981.

The initial participating area is 320.00 acres described as the E $\frac{1}{2}$ section 29, T. 23 S., R. 29 E., N.M.P.M. This participating area is based on the data that was submitted by letter of December 27, 1982.

As explained in our letter of October 18, 1982, the automatic elimination clause was due to become effective on March 27, 1981, but was delayed pending the determination on this well. The Laguna Grande Unit Agreement, No. 14-08-0001-14272, Eddy County, New Mexico, is hereby contracted to include only those lands within the initial Atoka Participating Area. This contraction will be effective as of March 27, 1981. You are requested to submit revised Exhibits "A" and "B" describing the lands eliminated from the unit.

Sincerely yours,

(ORIG. SGD.) JAMES W. SHELTON

FOR Gene F. Daniel
Deputy Minerals Manager
Oil and Gas

cc:
BLM, Santa Fe
➤ NMOC, Santa Fe
Comm. of Public Lands



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

March 31, 1983

TONEY ANAYA
GOVERNOR

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

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

Attention: Mr. Rene Moulinet

Re: Laguna Deep Unit
1983 Plan of Development
Lea County, NM

Dear Mr. Moulinet:

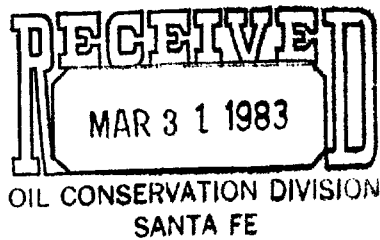
The above referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the United States Minerals Management Service.

Sincerely,

ROY E. JOHNSON
Petroleum Geologist

REJ/dp

cc: Commissioner of Public Lands - Santa Fe
Minerals Management Service - Albuquerque
OCD District Office -Hobbs



Union Oil and Gas Division: Central Region

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



Certified

March 24, 1983

Robert V. Lockhart
District Land Manager
Midland District

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

Attn: Mr. Joe D. Ramey, Director

Gentlemen:

Laguna Deep Unit
T-19 and 20-S, R-33-E, N.M.P.M.
Case No. 6182 - Order No. R-5684
Lea County, New Mexico

Enclosed for your review please find two (2) copies of Union Oil Company of California's "1983 Plan of Development and Operation for Laguna Deep Unit Area".

Union, as Operator, respectfully requests your consideration and approval of this plan. Should you have any additional questions, please contact the undersigned.

Sincerely yours,

UNION OIL COMPANY OF CALIFORNIA


H. Rene' Moulinet
Senior Landman

HRM:dh

Enclosure

1983 PLAN OF DEVELOPMENT AND OPERATION

FOR

LAGUNA DEEP UNIT AREA

LEA COUNTY, NEW MEXICO

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

UNION OIL COMPANY OF CALIFORNIA, as Unit Operator for the Laguna Deep Unit Area, pursuant to the provisions of Section 10 of the Unit Agreement for development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No. 14-08-0001-16905), respectfully submits for approval this 1983 Plan of Development and Operation for the Laguna Deep Unit Area. This plan is for the period ending December 31, 1983.

SUMMARY OF 1982 OPERATIONS

No new wells were drilled within the Unit in 1982. Well No. 3, however, was placed on pipeline on July 25th. The well initially produced at a rate of 1853 MCFPD plus 60 BCPD with an initial bottom hole pressure of 6355 psi, but production declined off dramatically. In October 1982, a pressure build-up survey indicated that bottom hole pressure had dropped to 1723 psi. At year's end, No. 3 was averaging 273 MCFPD plus 2 BCPD. Laguna No. 1 is currently producing Lower Morrow gas at a rate of 444 MCFPD plus 28 BCPD. Laguna No. 2, also a Lower Morrow producer, has been shut-in since May 1981.

PLAN OF DEVELOPMENT AND OPERATIONS FOR 1983

Union has proposed to our partners that Well No. 2, which is located in the southwest quarter of Section 26, be recompleted in the Middle Morrow. This work should be performed during the first or second quarter of 1983. Well No. 2 is currently completed in the Lower Morrow and was shut-in in May 1981 due to gas depletion and liquid loading. This work will be used to evaluate the potential for other Laguna recompletions and additional drilling.

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

Submitted this 24 day of March, 1983.

UNION OIL COMPANY OF CALIFORNIA

By:

Robert V. Lockhart
District Land Manager

1983 PLAN OF DEVELOPMENT AND OPERATION

FOR

LAGUNA DEEP UNIT AREA

LEA COUNTY, NEW MEXICO

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

UNION OIL COMPANY OF CALIFORNIA, as Unit Operator for the Laguna Deep Unit Area, pursuant to the provisions of Section 10 of the Unit Agreement for development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No. 14-08-0001-16905), respectfully submits for approval this 1983 Plan of Development and Operation for the Laguna Deep Unit Area. This plan is for the period ending December 31, 1983.

SUMMARY OF 1982 OPERATIONS

No new wells were drilled within the Unit in 1982. Well No. 3, however, was placed on pipeline on July 25th. The well initially produced at a rate of 1853 MCFPD plus 60 BCPD with an initial bottom hole pressure of 6355 psi, but production declined off dramatically. In October 1982, a pressure build-up survey indicated that bottom hole pressure had dropped to 1723 psi. At year's end, No. 3 was averaging 273 MCFPD plus 2 BCPD. Laguna No. 1 is currently producing Lower Morrow gas at a rate of 444 MCFPD plus 28 BCPD. Laguna No. 2, also a Lower Morrow producer, has been shut-in since May 1981.

PLAN OF DEVELOPMENT AND OPERATIONS FOR 1983

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

Submitted this 24 day of March, 1983.

UNION OIL COMPANY OF CALIFORNIA

By:

Robert V. Lockhart
District Land Manager

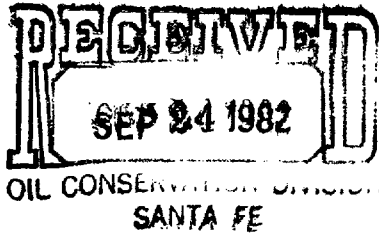
Union Oil and Gas Division: Central Region

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



Robert V. Lockhart
District Land Manager
Midland District

September 20, 1982



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

Attn: Mr. Joe Ramey, Director

Gentlemen:

Case No. 6182, Order No. R-5684
Laguna Deep Unit
Lea County, New Mexico

Pursuant to the referenced unit agreement, any well drilled on federal lands must be approved as a Unit Well by the Minerals Management Service.

Enclosed you will find a copy of Union's request that Laguna Deep Unit Well #3 be declared a Unit Well, along with the approval of same by the Minerals Management Service.

Should you have any questions, please advise.

Sincerely,

UNION OIL COMPANY OF CALIFORNIA

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

Linda Hicks
Landman

LHH:dh

Enclosures



IN REPLY
REFER TO:

United States Department of the Interior

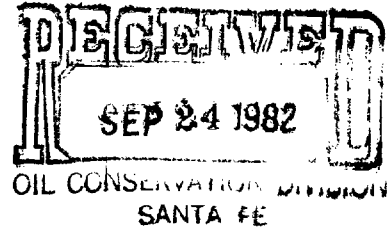
MINERALS MANAGEMENT SERVICE
SOUTH CENTRAL REGION
505 MARQUETTE AVENUE, N.W., SUITE 815
ALBUQUERQUE, NEW MEXICO 87102

RECEIVED

SEP 16 1982

MIDLAND DISTRICT LAND

SEP 13 1982



Union Oil Company of California
Attention: Robert V. Lockhart
P. O. Box 671
Midland, Texas 79702

Gentlemen:

On February 17, 1982, we received a request for a Unit Well Determination on the Laguna Deep Unit Well No. 3, Lea County, New Mexico. Engineering and economic data was submitted with the request to aid in determining if the well is capable of producing unitized substances in paying quantities as defined in the unit agreement.

The Laguna Deep Unit Well No. 3 is located in the SW $\frac{1}{4}$ section 35, T. 19 S., R. 33 E., N.M.P.M., Lea County, New Mexico. The well was completed in the Morrow formation in the intervals between 13,472-480 and 13,499-502 feet.

After reviewing all the data that was submitted, we concur that the Laguna Deep Unit Well No. 3 is capable of producing unitized substances in paying quantities.

The well is located in the current Morrow Participating Area and therefore, no revision to the participating area is necessary. You are requested to furnish all interested principals with evidence of this determination.

Sincerely yours,

Gene F. Daniel
for Gene F. Daniel
Deputy Minerals Manager
Oil and Gas

Union Oil and Gas Division: Central Region

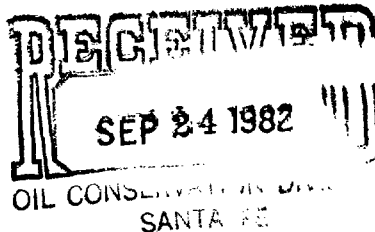
Union Oil Company of California
500 North Marienfeld, Midland, Texas 79701
P.O. Box 671, Midland, Texas 79702
Telephone (915) 682-9731

RECEIVED
FEB 17 1982
ALB, NM



Robert V. Lockhart
District Land Manager
Midland District

February 11, 1982



United States Department of the Interior
Minerals Management Service
South Central Region
P.O. Box 26124
Albuquerque, New Mexico 87125

Attn: Mr. Joe Lara
Agreements/Units Supervisor

Gentlemen:

Request for Unit Well Determination
Laguna Deep Unit Well No. 3
Lea County, New Mexico

Pursuant to the 1981 Plan of Development and Operation for the Laguna Deep Unit, Union Oil Company of California drilled the Laguna Deep Unit Federal No. 3 well located 990' FSL & 1980'FWL, Section 35, T-19-S, R-33-E, Lea County. The well was drilled to a total depth of 13,600'. The Morrow Sand intervals between 13,472-480 and 13,499-502 were perforated on December 21, 1981. On December 22, 1981, the well was tested (4-pt. test) on a 24-hr. rate at the 4th point for 3168 MDFGPD on 16/64" choke at 3940 psi flowing tubing pressure + 28.7 barrels of condensate at the 4th point for 1-3/4 hours. The well is currently shut-in waiting on a gas contract. Union, as Operator of the Laguna Deep Unit, respectfully requests this well be validated as a unit well.

In support of our request, we enclose the following in triplicate:

- 1) A brief drilling history of the Laguna Deep Unit Well No. 3
- 2) A gas analysis
- 3) Volumetric calculations for gas in place for the zone of completion, as well as four (4) additional intervals, not perforated, which are believed to be productive
- 4) A development Well Analysis form, which shows the economics of the subject well, using reserves for only the current zone of completion

United States Department of the Interior
Mr. Joe Lara
Request for Unit Well Determination
Laguna Deep Unit Well No. 3
Lea County, New Mexico

Page -2-

- 5) Copies of the CNL-FOC logs and Dual Laterlog which indicate, in red, the current zone of completion and proposed zones of completion
- 6) A map of the area showing subject well and surrounding acreage

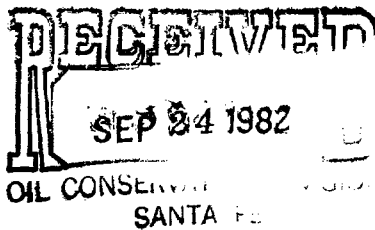
We believe the engineering data demonstrates Morrow gas and condensate reserves sufficient to produce in paying quantities and allow recovery of all costs of drilling, completing, and producing operations, with a reasonable profit, as defined in Section 9 of the Unit Agreement.

If you require any additional information, please contact the undersigned.
Thank you for your cooperation.

Very truly yours,

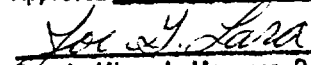
UNION OIL COMPANY OF CALIFORNIA


Robert V. Lockhart
District Land Manager



RVL:gjl

Enclosures

Approved SEP 18 1982

Deputy Minerals Manager, O&G
South Central Region



United States Department of the Interior

RECEIVED

SEP 15 1980

GEOLOGICAL SURVEY

South Central Region

P. O. Box 26124

Albuquerque, New Mexico 87125

11 SEP 1980

OIL CONSERVATION DIVISION
SANTA FE

6182

Union Oil Company of California
Attention: Robert V. Lockhart
P. O. Box 671
Midland, Texas 79702

Gentlemen:

Your application of July 21, 1980 requesting approval of the first revision of the Morrow participating area, Laguna Deep Unit Agreement, Lea County, New Mexico, No. 14-08-0001-16905, was approved on this date by the Deputy Conservation Manager for Oil and Gas, SCR, U. S. Geological Survey, Conservation Division, effective January 1, 1980.

The first revision adds 1,280.00 acres described as the W $\frac{1}{2}$ sec. 25, all sec. 26, W $\frac{1}{2}$ sec. 36, T. 19 S., R. 33 E., N.M.P.M., Lea County, New Mexico, which enlarges the total participating area to 1,920.00 acres. This revision is based upon the information contributed by unit well No. 2 located in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 19 S., R. 33 E., tested on January 19, 1980 for a stabilized flow rate of 2,028 MCFGPD and 108 barrels of condensate from the Morrow formation at a depth of 13,381 to 13,390 feet.

Copies of the approved application are being distributed to the appropriate Federal offices and one approved copy is enclosed. You are requested to furnish the State of New Mexico and other interested parties with appropriate evidence of this approval.

Sincerely yours,

(ORIG. SGD.) JACK WILLOCK

FOR Gene F. Daniel
Acting Deputy Conservation
Manager, Oil and Gas

Enclosure

cc:

NMOCD, Santa Fe (ltr only)

State of New Mexico



Commissioner of Public Lands

May 4, 1982

ALEX J. ARMIJO
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501
87504-1148

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

Re: Laguna Deep Unit
1982 Plan of Development
Lea County, New Mexico

ATTENTION: Ms. Linda H. Hicks

6/82

Gentlemen:

The Commissioner of Public Lands has this date approved your 1982 Plan of Development for the Laguna Deep Unit, Lea County, New Mexico. Such plan proposes to monitor the production performance of well No. 3 in an effort to determine the feasibility of future drilling at offset locations and watch the progress of a well being drilled outside the unit boundary. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the United States Minerals Management Service.

Enclosed is one approved copy for your files.

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

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
FLOYD O. PRANDO, Assistant Director
Oil and Gas Division
AC 505/827-2748

AJA/FOP/pm
encls.

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



United States Department of the Interior

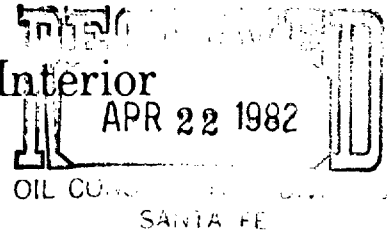
OFFICE OF THE SECRETARY

Minerals Management Service

South Central Region

P. O. Box 26124

Albuquerque, New Mexico 87125



APR 22 1982

Union Oil Company of California
Attention: Linda H. Hicks
P. O. Box 671
Midland, Texas 79702

6182

Gentlemen:

Two approved copies of your 1982 plan of development for the Laguna Deep unit area, Lea County, New Mexico, are enclosed. Such plan, proposing to monitor the production performance of well No. 3 to determine the feasibility of future drilling at offset locations, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIGINAL) [Signature]

FOR Gene F. Daniel
Deputy Minerals Manager
Oil and Gas

Enclosures

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

Union Oil and Gas Division: Central Region

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



6182

Robert V. Lockhart
District Land Manager
Midland District

April 7, 1982

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

Attention: Ray D. Graham, Director
Oil and Gas Division

Gentlemen:

Laguna Deep Unit
1982 Plan of Development
Lea County, New Mexico

In response to your letter dated March 24, 1982, please be advised that Union has furnished your office our proposed 1982 Plan of Development for the Laguna Deep Unit.

Enclosed please find a plat showing the location of the Laguna #1, #2, and #3 wells. The #3 well is currently shut-in waiting on a pipeline connection. The 1981 production figures for #1 and #2 wells are attached.

Should you require any further information, please advise.

Sincerely yours,

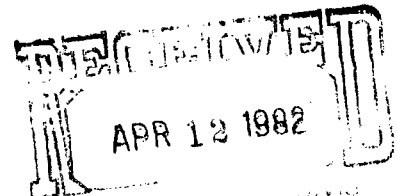
UNION OIL COMPANY OF CALIFORNIA

Linda H. Hicks
Landman

LHH:njd

Enclosures

xc: Minerals Management Service (14-08-0001-16905)
Oil Conservation Division (Case No. 6182 - Order No. R-5684) ✓

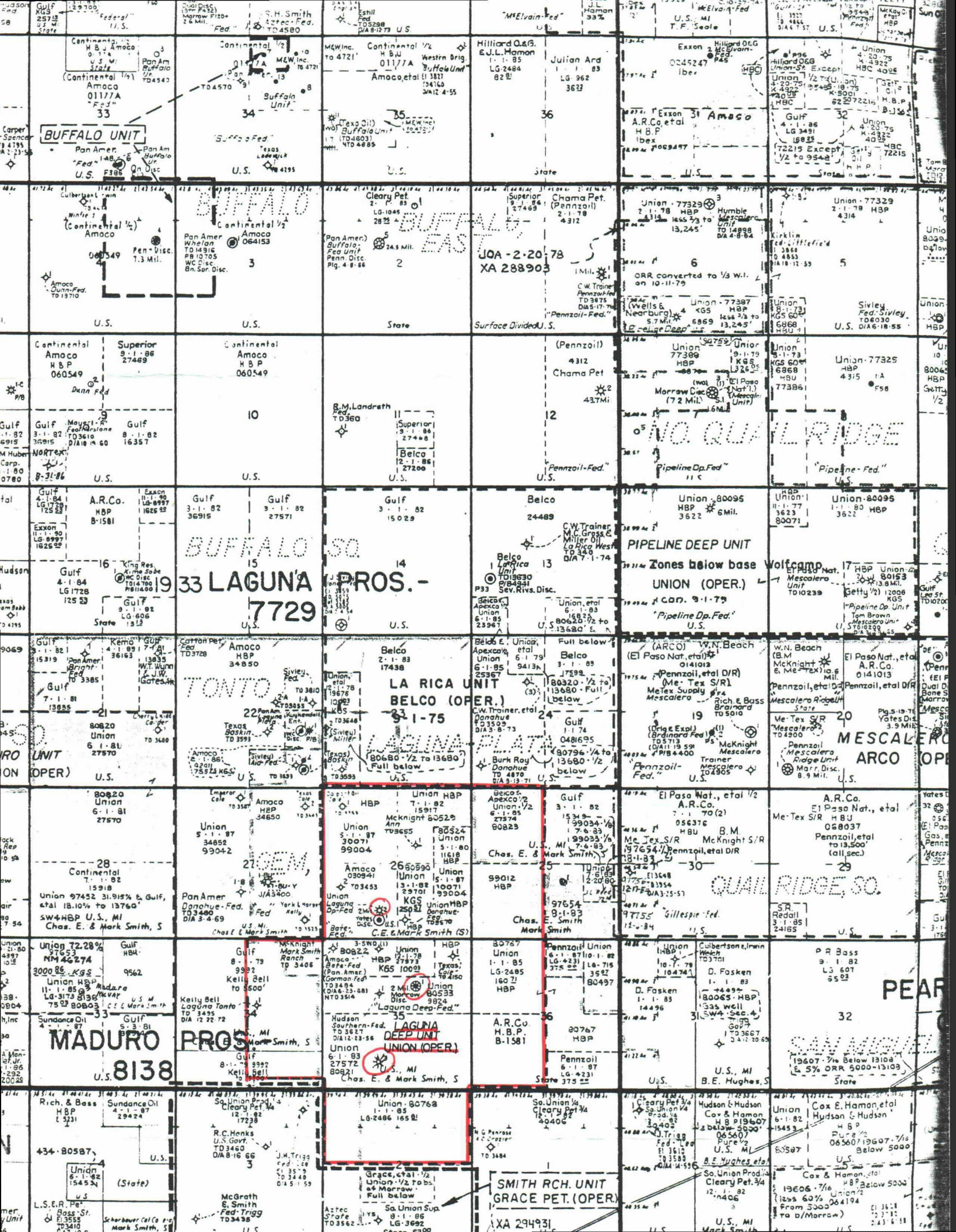


SANTA FE

Laguna Deep Unit

1981 Morrow Production

	<u>Laguna #1</u>		<u>Laguna #2</u>	
	<u>Cond.-Bbls / Gas-MCF</u>		<u>Cond.-Bbls / Gas-MCF</u>	
January	1997	25600	583	7946
February	2147	27622	323	5058
March	2174	27769	97	2434
April	1787	23644	-0-	1000
May	1678	22084	-0-	1000
June	1962	25076	-0-	-0-
July	2369	32344	-0-	-0-
August	2502	34080	-0-	-0-
September	1429	20619	-0-	-0-
October	2542	33943	-0-	-0-
November	2084	28914	-0-	-0-
December	<u>2347</u>	<u>32685</u>	<u>-0-</u>	<u>-0-</u>
	25018	334380	1003	17438





STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

April 19, 1982

BRUCE KING
GOVERNOR

LARRY KEHOE
SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

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

Attention: Linda H. Hicks

Re: 1982 Plan of Development
for Laguna Deep Unit, Lea
County, New Mexico

Dear Ms. Hicks:

The New Mexico Oil Conservation Division has
this date approved your 1982 Plan of Development
for the Laguna Deep Unit, Lea County, New Mexico.
Our approval is subject to like approval by the
Minerals Management Service and the Commissioner
of Public Lands of the State of New Mexico.

Sincerely,

W. PERRY PEARCE
General Counsel

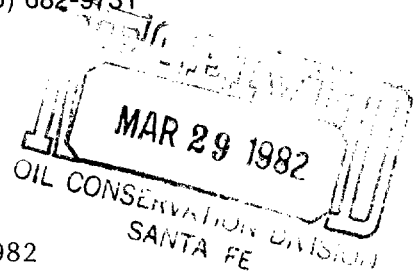
WPP/dr

cc: Minerals Management Service - Albuquerque
Commissioner of Public Lands - Santa Fe

6182

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

March 26, 1982

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

Mr. Joe D. Ramey, Director

Gentlemen:

Laguna Deep Unit
T-19 and 20-S, R-33-E, N.M.P.M.
Case No. 6182 - Order No. R-5684
Lea County, New Mexico

Enclosed for your review please find 2 (two) copies of Union Oil Company of California's "1982 Plan of Development and Operation for Laguna Deep Unit Area".

Union, as Operator, respectfully requests your consideration and approval of this plan. Should you have any additional questions, please contact the undersigned.

Sincerely yours,

UNION OIL COMPANY OF CALIFORNIA

A handwritten signature in cursive script, reading "Linda H. Hicks".

Linda H. Hicks
Landman

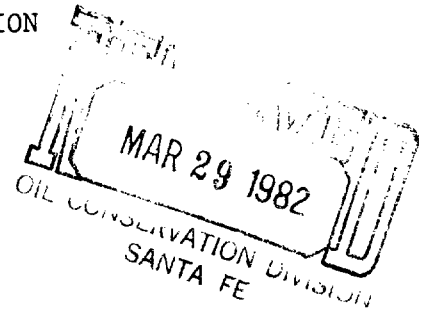
LHH:njd
Enclosures

1982 PLAN OF DEVELOPMENT AND OPERATION

FOR

LAGUNA DEEP UNIT AREA

LEA COUNTY, NEW MEXICO



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

UNION OIL COMPANY OF CALIFORNIA, as Unit Operator for the Laguna Deep Unit Area, pursuant to the provisions of Section 10 of the Unit Agreement for development and Operation of the Laguna Deep Unit Area, dated June 22, 1978 (No. 14-08-0001-16905), respectfully submits for approval this 1982 Plan of Development and Operation for the Laguna Deep Unit Area. This plan is for the period ending December 31, 1982.

SUMMARY OF 1981 OPERATIONS

The Laguna Deep Unit No. 3 Well, located 990' FSL and 1980' FWL Section 35, T-19-S, R-33-E, was spudded August 30, 1981, and reached a total depth of 13,600' on November 16, 1981. The well was completed in the Lower Morrow through perforations between 13,472 - 13,502 feet on December 21, 1981. On December 22, the well was tested (4 pt. test) on a 24-hour rate at the 4th pt. for 3,168 MCFGPD on 16/64" choke at 3940 psi flowing tubing pressure plus 28.7 barrels of condensate at the 4th pt. for 1 3/4 hours. The calculated absolute open flow from the completion test was 8,088 MCFGPD. The well is currently shut-in, waiting on a gas contract and pipeline connection.

By letter dated February 11, 1982, Union submitted to the Minerals Management Service a request that the Laguna Deep Unit No. 3 Well be validated as a Unit well. To date, our request has not yet been approved.

Union is currently in the process of determining if an enlargement of the current Morrow Participating Area is justified.

PLAN OF DEVELOPMENT AND OPERATIONS FOR 1982

Well No. 3 will be placed on production upon completion of a pipeline sales connection. The production performance of Well No. 3 will be monitored in an effort to determine the feasibility of future drilling at offset locations.

Also, Union is presently drilling a well in the NW/4SE/4 Section 25-19S-33E, just outside the Laguna Unit Area to the east. We will be watching the progress of this well also to determine possible offset locations within the Laguna Deep

Unit Area.

Well No. 2 is currently a marginal producer. An engineering evaluation is in progress to evaluate workover or recompletion potential for the well.

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

Submitted this 8 day of March, 1982.

UNION OIL COMPANY OF CALIFORNIA

BY: Robert V. Lockhart
District Land Manager

1982 PLAN OF DEVELOPMENT AND OPERATION

FOR

LAGUNA DEEP UNIT AREA

LEA COUNTY, NEW MEXICO

6/82

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

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Well No. 2 is currently a marginal producer. An engineering evaluation is in progress to evaluate workover or recompletion potential for the well.

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

Submitted this 8 day of March, 1982.

UNION OIL COMPANY OF CALIFORNIA

BY: Robert V. Heckhart
District Land Manager

approved
4/9/82
W/P



United States Department of the Interior

GEOLOGICAL SURVEY
South Central Region
P. O. Box 26124
Albuquerque, New Mexico 87125

07 MAY 1981

6182

Union Oil Company of California
Attention: Linda H. Hicks
P. O. Box 671
Midland, Texas 79702

Gentlemen:

The Consent to Ratification and Joinder to the Laguna Deep Unit Agreement by Amoco Production Company, submitted to this office with your transmittal letter of April 15, 1981 is accepted for record purposes. Two signed copies are enclosed.

Sincerely yours,

(ORIG. SGD.) ARMANDO A. LOPEZ

FOR

Gene F. Daniel
Deputy Conservation Manager
Oil and Gas

Enclosures

cc:
NMOCD, Santa Fe

OIL CONSERVATION DIVISION
MAY 11 1981
RECEIVED



ALEX J. ARMIJO
COMMISSIONER

State of New Mexico



Commissioner of Public Lands

September 2, 1980

RECEIVED

SEP 05 1980

MIDLAND DISTRICT LAND

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

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

Re: Laguna Deep Unit
Lea County, New Mexico
FIRST REVISION TO PARTICIPATING
AREA-MORROW FORMATION

ATTENTION: Ms. Linda H. Hicks

Gentlemen:

The Commissioner of Public Lands has this date approved the First Revision to the Participating Area, Morrow Formation, for the Laguna Deep Unit, Lea County, New Mexico. Such revision constitutes the following lands:

Township 19 South, Range 33 East, N.M.P.M.

Section 25: W/2

Section 26: All

Section 36: W/2

Containing 1,280.00 acres, more or less

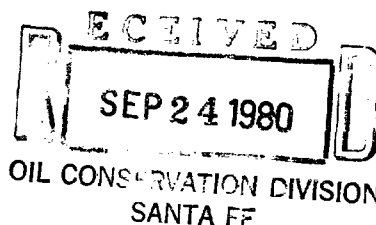
Our approval is subject to like approval by the United States Geological Survey.

Enclosed is one approved copy for your files.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

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



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

cc:

*2 maps we sent to State were
returned -
gave to Moffitt 9-9*

*Copy John Hansen/Region
W.I. O'Connell
AJA/RDG/s
encls.*

Laguna Deep Unit Area
Lea County, New Mexico

Application for
approval of the
first revision of
the participating
area of the
Morrow formation

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

Attn: Mr. Ray D. Graham

Union Oil Company of California, as unit operator for the Laguna Deep Unit Agreement, approved by the Commissioner of Public Lands on June 14, 1978 and by the Regional Conservation Manager of the U.S. Geological Survey, effective June 22, 1978, pursuant to the provisions of section 11 thereof, respectfully submits for your approval the selection of the following described land to constitute the first revision of the participating area for the Morrow producing zone or formation, to wit:

Township 19 South, Range 33 East, N.M.P.M.

Section 25: W/2

Section 26: All

Section 36: W/2

Containing 1,280.00 acres, more or less

In support of this application the following numbered items are attached hereto and made a part hereof:

(1) An ownership map marked Exhibit "A" showing thereon the boundary of the unit area, the participating area as heretofore established, and the boundary of the proposed revision herein.

(2) A schedule showing the lands entitled to participation in the unitized substances produced from the Morrow formation, with the percentages of participation of each lease or tract indicated thereon.

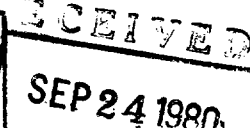
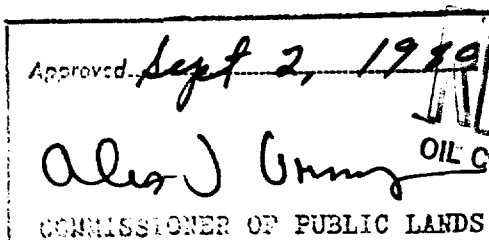
Applicant is submitting separately in triplicate a geological report with accompanying maps supporting and justifying the proposed selection of the first revision of the participating area.

This proposed first revision of the participating area is predicated upon the knowledge and information first obtained upon completion in paying quantities under the terms of the unit agreement on January 19, 1980, of the Laguna Deep Unit Well No. 2 in SE/4 SW/4, Section 26, T-19-S, R-33-E, with an initial test stabilized flow rate of 2028 MCFGPD plus 108 barrels of condensate and a CAOF 2365 MCFGPD with a gas-liquid hydrocarbon ratio of 18,778 CF/barrel from the Morrow formation at a depth of 13,381 to 13,390 feet. The well went on stream April 22, 1980 and during the remainder of the month produced an average of 1010 MCFGPD plus 103 barrels condensate per day. Although this well is not yet a unit well, by letter dated March 10, 1980, a request has been submitted to the U.S.G.S. that the Laguna Deep Unit Well No. 2 be validated as a unit well. The effective date of this first revision shall be January 1, 1980, pursuant to section 11 of the unit agreement.

Consequently, applicant respectfully requests your approval of the herein above selection of lands to constitute the first revision of the participating area to be effective January 1, 1980.

Dated this 21 day of July, 1980.

UNION OIL COMPANY OF CALIFORNIA



by: Robert V. Lockhart
Robert V. Lockhart
District Land Manager

R 33 E

LAGUNA DEEP UNIT

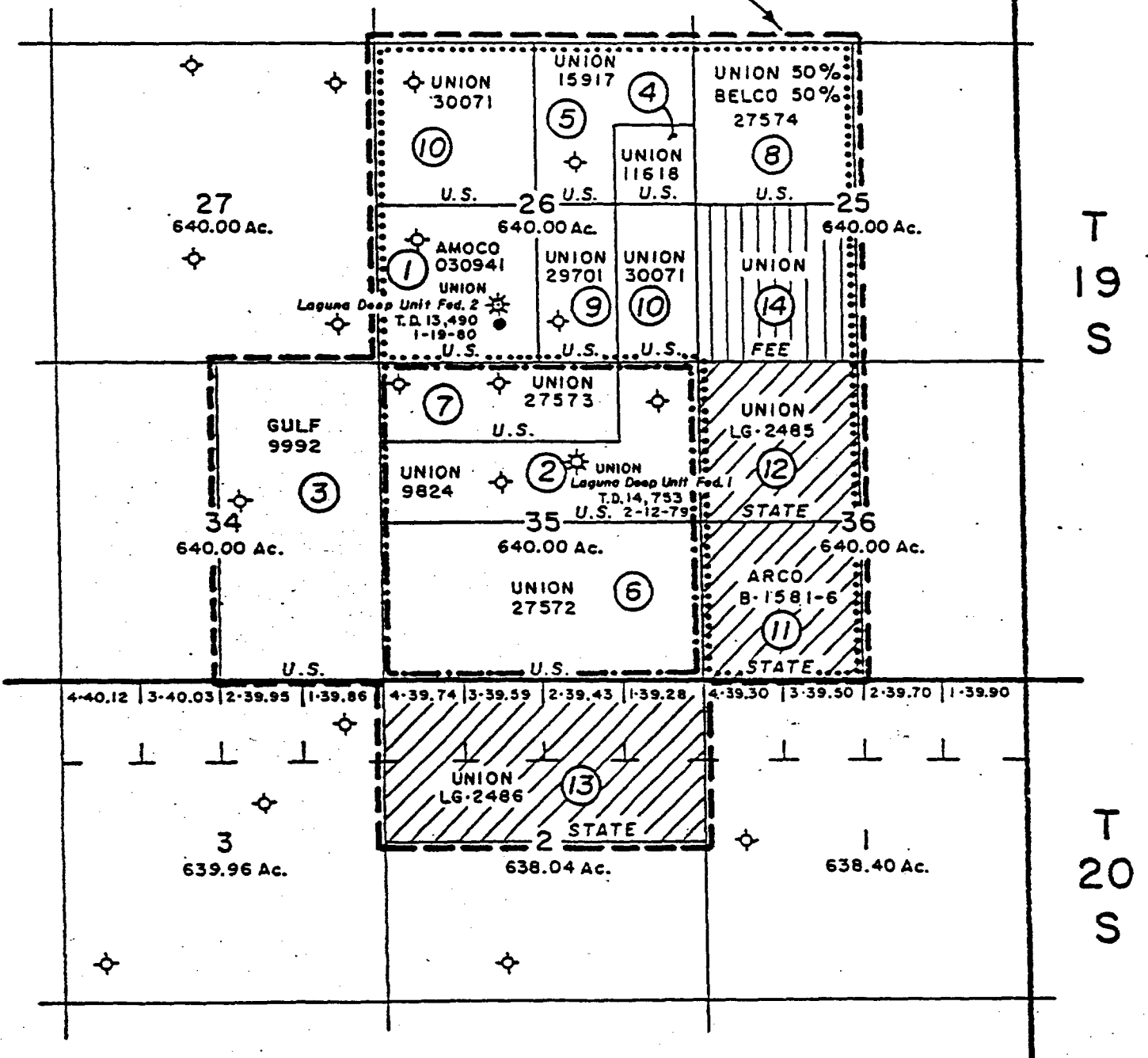


EXHIBIT "A"

LAGUNA DEEP UNIT

LEA COUNTY, NEW MEXICO



(1) TRACT NUMBER - EXHIBIT "B"

Exhibit "B"
First Revision Morrow Formation
Participating Area
Laguna Deep Unit Agreement
Lea County, New Mexico

Tract No.	Lease No. or Type of Land	Description	Participating Acres	Percent of Participation	Working Interest Owner
All lands are in T-19-S, R-33-E, N.M.P.M.					
1	NM-030941 Federal	Sec. 26: SW/4	160.00	9.09091	AMOCO
2	NM-9824 Federal	Sec. 35: NE/4 NE/4, S/2 N/2	200.00	11.36364	Union Oil Co. of California
4	NM-11618 Federal	Sec. 26: SE/4 NE/4	40.00	2.27272	Union Oil Co. of California
5	NM-15917 Federal	Sec. 26: N/2 NE/4, SW/4 NE/4	120.00	6.81818	Union Oil Co. of California
6	NM-27572 Federal	Sec. 35: S/2	320.00	18.18182	Union Oil Co. of California
7	NM-27573 Federal	Sec. 35: NW/4 NE/4, N/2 NW/4	120.00	6.81818	Union Oil Co. of California
8	NM-27574 Federal	Sec. 25: NW/4	160.00	-0-	Union Oil Co. of California (50%) Belco Petroleum Corporation (50%)
9	NM-29701 Federal	Sec. 26: W/2 SE/4	80.00	4.54546	Union Oil Co. of California
10	NM-30071 Federal	Sec. 26: NW/4, E/2 SE/4	240.00	13.63636	Union Oil Co. of California

First Revision Morrow Formation
Participating Area
Laguna Deep Unit Agreement
Lea County, New Mexico

Tract No.	Lease No. or Type of land	Description	Participating Acres	Percent of Participation	Working Interest Owner
11	B-1581-6 State	T-19-S, R-33-E N.M.P.M. Sec. 36: SW/4	160.00	9.09091	Atlantic Richfield
12	LG-2485 State	Sec. 36: NW/4	160.00	9.09091	Union Oil Co. of California
14	Patented land	Sec. 25: SW/4	160.00	9.09091	Union Oil Co. of California
	TOTAL		1,920.00	100.000000%	
<u>SUMMARY</u>					
<u>TYPE LAND</u>			<u>COMMITTED ACRES</u>	<u>NON-COMMITTED ACRES</u>	<u>PERCENT</u>
Federal			1,280.00	160.00	72.72727
State			320.00	-0-	18.18182
Patented			160.00	-0-	9.09091
	TOTAL		1,760.00	160.00	100.00000

LAGUNA DEEP UNIT
LEA COUNTY, NEW MEXICO

Participating area for production from the Laguna Deep Unit Federal Well No. 2 from the Morrow formation, East Gem Morrow Gas Pool, Lea County, New Mexico.

GEOLOGICAL REPORT

The Union Oil Company of California No. 2 Laguna Deep Unit Federal well in Unit N, 990 feet from the south line and 1980 feet from the west line of Section 26, Township 19 south, Range 33 east, Lea County, New Mexico, was drilled to a total depth of 13,490 feet in the lower Morrow section of the Pennsylvanian. The subject well was completed January 19, 1980 from the Morrow formation for CAOF 2365 MCF gas per day with a gas-liquid hydrocarbon ratio of 18,778 CF per barrel.

Formation tops on subject well are as follows (elevation 3491' G.L.):

Rustler	1,329'
Salt	1,500'
Yates	3,053'
Capitan	3,472'
Delaware	5,324'
Bone Spring	7,974'
Wolfcamp	10,808'
Cisco	11,748'
Canyon	11,950'
Strawn	12,054'
Atoka	12,308'
Morrow	12,782'
Lower Morrow	13,338'

Gas production in the No. 2 Laguna Deep Federal well is from perforations 13,381 to 13,390 feet in a lower Morrow sand. The accumulation appears to be controlled both by structure and stratigraphy.

The reservoir rock is about 10 feet thick and a white, coarse-grained quartz sand with about 40% gray shale. Porosity calculations from wireline logs range up to 14 percent. Shut in bottom-hole pressure

RECEIVED
JUL 28 10 31 AM '80
STATE LAND OFFICE
SANTA FE, N.M.

is 6,180 psi at 13,386 feet.

The Laguna Deep Unit Federal Well No. 2 ran 15 feet low to the Laguna Deep Unit Federal Well No. 1 located approximately 1/2 mile to the southeast. The subject well is located on the northwest flank of the Laguna structure.

Ralph L. Hawks, Jr.
Ralph L. Hawks, Jr.
Geologist
Union Oil Company of California

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STATE LAND OFFICE
SANTA FE, N.M.

Union Oil and Gas Division: Central Region

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



Robert V. Lockhart
District Land Manager
Midland District

January 13, 1981

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

Attn: Mr. Joe D. Ramey, Director

Gentlemen:

Case No. 6182
Order No. R-5684
Laguna Deep Unit
Lea County, New Mexico

In connection with the captioned unit, please find enclosed for your approval and file the following "Royalty and Overriding Royalty Interest Owner" Ratification and Joinder:

L. W. Curtis, Trustee - Tract 5

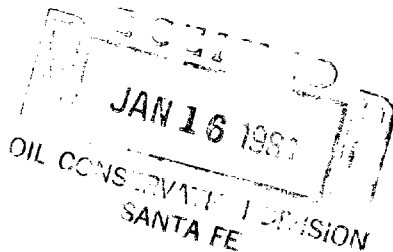
Also find enclosed Union Oil Company of California's consent to joinder forms.

Sincerely yours,

UNION OIL COMPANY OF CALIFORNIA

Linda H. Hicks
Landman

LHH:cs
Encl. 2



CONSENT, RATIFICATION AND JOINDER OF
LAGUNA DEEP UNIT AGREEMENT
LEA COUNTY, NEW MEXICO

(Royalty and Overriding Royalty Interest Owner)

KNOW ALL MEN BY THESE PRESENTS, THAT:

WHEREAS, a certain instrument entitled UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE LAGUNA DEEP UNIT AREA, LEA COUNTY, NEW MEXICO, has been executed as of the 2nd day of February, 1978, by various persons conducting operations with respect to the Laguna Deep Unit Area, located in Lea County, New Mexico, as more particularly described in said Agreement; and

WHEREAS, the Unit Agreement, by Exhibit "A", shows on a map the boundary lines of the Unit Area and the Tracts therein and, by Exhibit "B", describes each Tract within the Unit Area; and

WHEREAS, the Unit Agreement provides that a person may become a party thereto by signing an instrument agreeing to be bound by the provisions thereof; and

WHEREAS, the undersigned (whether one or more) is, or claims to be, the owner of a royalty and/or overriding royalty interest in one or more of the Tracts described in Exhibit "B" of the Unit Agreement.

NOW, THEREFORE, the undersigned (whether one or more), for and in consideration of the premises and the benefits anticipated to accrue under said agreement, does hereby agree to become a party to and to be bound by the provisions of the said Unit Agreement, and the undersigned does hereby agree that the parties to said agreement are those persons signing the originals of said instruments, counterparts thereof, or other instruments agreeing to be bound by the provisions thereof. The undersigned does also hereby acknowledge receipt of a true copy of the said Unit Agreement.

IN WITNESS WHEREOF, the undersigned has executed this instrument on the date set forth opposite the undersigned's signature.

Date: 12/17/1980

Address: 1121 Fidelity Plaza

Oklahoma City, Oklahoma 73102

STATE OF OKLAHOMA
COUNTY OF OKLAHOMA

RECEIVED
JAN 16 1981
SS. (Individual)
SANTA FE DIVISION

L. W. Curtis, Trustee of Marcia N. Laughlin Trust;
Trustee of Anne N. Kelley Trust; Trustee of
Lawrence M. Nilsen Trust

(Royalty or Overriding Royalty OWNER)

The foregoing instrument was acknowledged before me this 17th day of December, 1980, by L. W. Curtis, Trustee

My Commission expires:

3/2/1984

Ella Hodson
Notary Public

STATE OF _____
COUNTY OF _____ SS.

(Corporate)

The foregoing instrument was acknowledged before me this _____ day of _____, 19____, by _____ of _____ a _____ corporation, on behalf of said corporation.

My Commission expires:

Notary Public

CONSENT TO RATIFICATION AND JOINDER TO THE
LAGUNA DEEP UNIT AGREEMENT
DATED FEBRUARY 2, 1978
DESIGNATED NO. 14-08-0001-16905
LEA COUNTY, NEW MEXICO

THE UNDERSIGNED WORKING INTEREST OWNER IN THE LAGUNA DEEP UNIT AGREEMENT AND
THE UNIT OPERATING AGREEMENT, HEREBY CONSENTS TO THE JOINDER OF THE OVERRIDING
ROYALTY INTEREST OF L. W. CURTIS, TRUSTEE OF MARCIA N. LAUGHLIN TRUST; TRUSTEE OF
ANNE N. KELLEY TRUST; TRUSTEE OF LAWRENCE M. NILSEN TRUST, IN TRACT NO. 5 DESCRIBED
AS:

Township 19 South, Range 33 East

Section 26: N/2 NE/4, SW/4 NE/4

TO SAID UNIT AGREEMENT.

UNION OIL COMPANY OF CALIFORNIA

Date: 1-9-81

By John Hansen *chw*
Attorney-in-Fact

Address: P. O. Box 3100
Midland, Texas 79702

WORKING INTEREST OWNER

STATE OF TEXAS, X
 X ss.
COUNTY OF MIDLAND. X

The foregoing instrument was acknowledged before me this 9th day
of January, 1981, by JOHN HANSEN,
Attorney-in-Fact of UNION OIL COMPANY OF CALIFORNIA, a California Corporation,
on behalf of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year above written.

My Commission Expires:

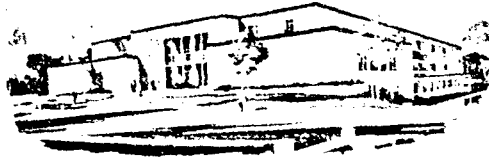
11-30-84

JAN 15 1981
OIL CONSERVATION DIVISION
SANTA FE
MAVIS JONES
Notary Public
Midland Co. Texas

State of New Mexico



ALEX J. ARMIJO
COMMISSIONER



Commissioner of Public Lands

April 22, 1981

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

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

6182

Re: Laguna Deep Unit
Lea County, New Mexico

ATTENTION: Linda H. Hicks

Gentlemen:

We are in receipt of "Royalty and Overriding Royalty Interest Owner" ratification and joinder under Tract 1, executed by Elizabeth Mendez (aka Elizabeth Christensen Mendez), also Amoco's consent to the joinder.

The Commissioner of Public Lands has this date approved the above mentioned ratification and joinder and we have this date filed them in the unit file.

We are retaining all copies for our files.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:

FLOYD O. PRANDO, Assistant
Director- Oil & Gas Division
AC 505-827-2748

AJA/FOP/s
cc:

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

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

April 15, 1981

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

Attn: Mr. Joe D. Ramey, Director

Gentlemen:

Case No. 6182
Order No. R-5684
Laguna Deep Unit
Lea County, New Mexico

In connection with the captioned unit, please find enclosed for your approval and file the following "Royalty and Overriding Royalty Interest Owner" Ratification and Joinder:

Elizabeth Mendez (aka Elizabeth Christensen Mendez) - Tract 1

Also find enclosed Amoco Production Company's consent to joinder forms.

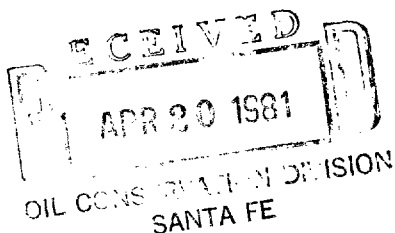
Sincerely yours,

UNION OIL COMPANY OF CALIFORNIA

A handwritten signature in cursive script, reading "Linda H. Hicks".

Linda H. Hicks
Landman

LHH:cs
Encl. 2



CONSENT, RATIFICATION AND JOINDER OF
LAGUNA DEEP UNIT AGREEMENT
LEA COUNTY, NEW MEXICO

(Royalty and Overriding Royalty Interest Owner)

KNOW ALL MEN BY THESE PRESENTS, THAT:

WHEREAS, a certain instrument entitled UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE LAGUNA DEEP UNIT AREA, LEA COUNTY, NEW MEXICO, has been executed as of the 2nd day of February, 1978, by various persons conducting operations with respect to the Laguna Deep Unit Area, located in Lea County, New Mexico, as more particularly described in said Agreement; and

WHEREAS, the Unit Agreement, by Exhibit "A", shows on a map the boundary lines of the Unit Area and the tracts therein and, by Exhibit "B", described each Tract within the Unit Area; and

WHEREAS, the Unit Agreement provides that a person may become a party thereto by signing an instrument agreeing to be bound by the provisions thereof; and

WHEREAS, the undersigned (whether one or more) is, or claims to be, the owner of a royalty and/or overriding royalty interest in one or more of the Tracts described in Exhibit "B" of the Unit Agreement.

NOW, THEREFORE, the undersigned (where one or more), for and in consideration of the premises and the benefits anticipated to accrue under said agreement, does hereby agree to become a party to and to be bound by the provisions of the said Unit Agreement, and the undersigned does hereby agree that the parties to said agreement are those persons signing the originals of said instruments, counterparts thereof, or other instruments agreeing to be bound by the provisions thereof. The undersigned does also hereby acknowledge receipt of a true copy of the said Unit Agreement.

IN WITNESS WHEREOF, the undersigned has executed this instrument on the date set forth opposite the undersigned's signature.

✓ Date: March 16, 1981

Elizabeth Christensen Mendez
Elizabeth Christensen Mendez, Dealing
With Her Sole And Separate Property

Address: 11705 Tenth Avenue

CONSENT TO RATIFICATION AND JOINDER TO THE
LAGUNA DEEP UNIT AGREEMENT
DATED FEBRUARY 2, 1978
DESIGNATED NO. 14-08-0001-16905
LEA COUNTY, NEW MEXICO

The undersigned working interest owner in the Laguna Deep Unit Agreement and the Unit Operating Agreement, hereby consents to the joinder of the overriding royalty interests of Elizabeth Mendez, in Tract No. 1, described as:

Township 19 South, Range 33 East

Section 26: SW/4

to said Unit Agreement:

AMOCO PRODUCTION COMPANY

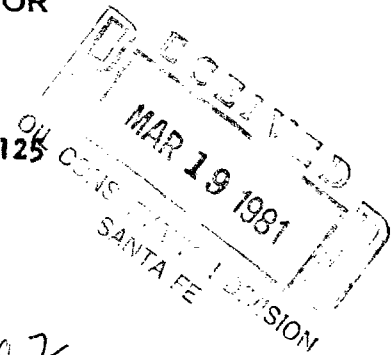
Date: 4-2-81

By C. N. Menninger
Attorney-in-Fact
C. N. MENNINGER
Address: P. O. Box 3092



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
South Central Region
P. O. Box 26124
Albuquerque, New Mexico 87125



17 MAR 1981

Union Oil Company of California
Attention: Linda H. Hicks
P. O. Box 671
Midland, Texas 79702

Gentlemen:

Three approved copies of your 1981 plan of development for the Laguna Deep unit area, Lea County, New Mexico, are enclosed. Such plan, proposing the drilling of a third Morrow well in the SW $\frac{1}{4}$ of section 35, T. 19 S., R. 33 E., N.M.P.M., Lea County, New Mexico, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

ORIGINAL SIGNED BY:

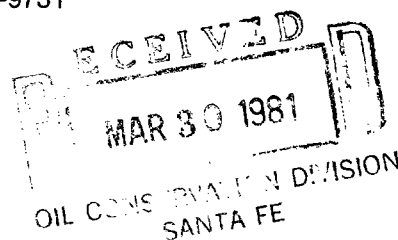
Gene F. Daniel
Deputy Conservation Manager
Oil and Gas

Enclosures 3

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

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

March 24, 1981

6182

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

Attn: Mr. Joe Ramey, Director

Gentlemen:

Laguna Deep Unit
Lea County, New Mexico

Please find enclosed for your file a copy of a letter dated March 17, 1981 from the U.S.G.S. approving Union's 1981 Plan of Development for the Laguna Deep Unit.

If we can be of further service, please advise.

Sincerely yours,

UNION OIL COMPANY OF CALIFORNIA

Linda H. Hicks

Linda H. Hicks
Landman

LHH:cs
Encl. 1



United States Department of the Interior

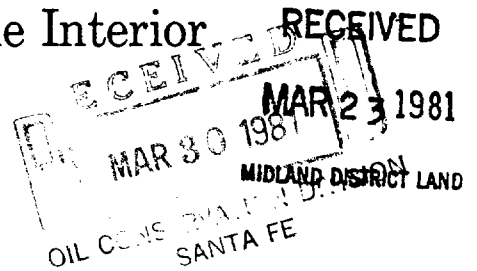
GEOLOGICAL SURVEY

South Central Region

P. O. Box 26124

Albuquerque, New Mexico 87125

17 MAR 1981



Union Oil Company of California
Attention: Linda H. Hicks
P. O. Box 671
Midland, Texas 79702

Gentlemen:

Three approved copies of your 1981 plan of development for the Laguna Deep unit area, Lea County, New Mexico, are enclosed. Such plan, proposing the drilling of a third Morrow well in the SW $\frac{1}{4}$ of section 35, T. 19 S., R. 33 E., N.M.P.M., Lea County, New Mexico, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

Gene F. Daniel
Deputy Conservation Manager
Oil and Gas

Enclosures 3

cc to WI owner 3-23-81
Joan Hansen
OCD
Comm. of Public Lands



United States Department of the Interior

GEOLOGICAL SURVEY
South Central Region
P. O. Box 26124
Albuquerque, New Mexico 87125

03 APR 1981

6182

Union Oil Company of California
Attention: Linda H. Hicks
P. O. Box 671
Midland, Texas 79702

Gentlemen:

The Consent to Ratification and Joinder to the Laguna Deep Unit Agreement by Union Oil Company of California, submitted to this office with your transmittal letter of December 23, 1980 is accepted for record purposes. Two accepted copies are enclosed.

Sincerely yours,

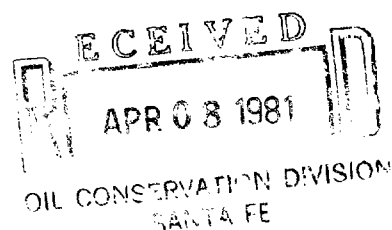
ORIGINAL SIGNED BY:

Gene F. Daniel
Deputy Conservation Manager
Oil and Gas

Enclosures

cc:

NMOCD, Santa Fe





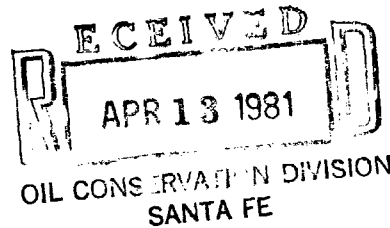
IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
South Central Region
P. O. Box 26124
Albuquerque, New Mexico 87125

10 APR 1981

6182

Union Oil Company of California
Attention: Linda H. Hicks
P. O. Box 671
Midland, Texas 79702



Gentlemen:

The Consent to Ratification and Joinder to the Laguna Deep Unit Agreement by Amoco Production Company, submitted to this office with your transmittal letter of January 8, 1981, is accepted for record purposes. Two accepted copies are enclosed.

Sincerely yours,

(ORIG. SGD.) ARMANDO A. LOPEZ

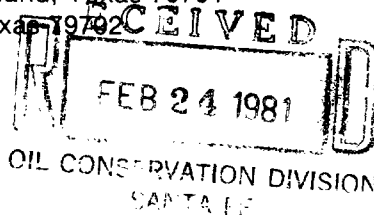
FOR Gene F. Daniel
Deputy Conservation Manager
Oil and Gas

Enclosures

cc:
NMOCD, Santa Fe (ltr only)
Commissioner of Public Lands, Santa Fe (ltr only)
DS, Roswell (w/enclosure)

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

February 13, 1981

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

Attn: Mr. Joe D. Ramey, Director

Gentlemen:

Case No. 6182
Order No. R-5684
Laguna Deep Unit
Lea County, New Mexico

In connection with the captioned unit, please find enclosed for your approval and file the following "Royalty and Overriding Royalty Interest Owner" Ratification and Joinder:

Mary Spencer - Tract 1.

Also find enclosed Amoco Production Company's consent to joinder forms.

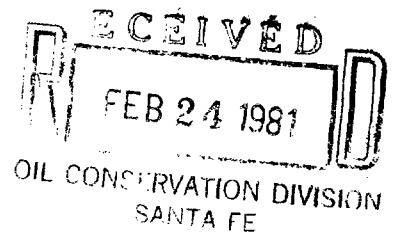
Sincerely yours,

UNION OIL COMPANY OF CALIFORNIA

Linda H. Hicks
Linda H. Hicks
Landman

LHH:cs
Encl. 2

CONSENT TO RATIFICATION AND JOINDER TO THE
LAGUNA DEEP UNIT AGREEMENT
DATED FEBRUARY 2, 1978
DESIGNATED NO. 14-08-0001-16905
LEA COUNTY, NEW MEXICO



The undersigned working interest owner in the Laguna Deep Unit Agreement and the Unit Operating Agreement, hereby consents to the joinder of the overriding royalty interests of Mary Spencer, in Tract No. 1, described as:

Township 19 South, Range 33 East

Section 26: SW/4

to said Unit Agreement:

AMOCO PRODUCTION COMPANY

Date: 2-6-81

By C. N. Menninger
C. N. MENNINGER Attorney-in-Fact

Address: P. O. Box 3092
Houston, Texas 77001

WORKING INTEREST OWNER

STATE OF TEXAS

COUNTY OF HARRIS

ss.

The foregoing instrument was acknowledged before me this 6th day
of February, 1981, by C. N. Menninger,
Attorney-in-Fact of AMOCO PRODUCTION COMPANY, a Delaware corpora-
tion, on behalf of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year above written.

My Commission expires:

11-2-81

Shirley B. Barnes
Notary Public
SHIRLEY B. BARNES
Notary Public in Harris County, Texas
My Commission Expires 11-2-81

CONSENT, RATIFICATION AND JOINDER OF
LAGUNA DEEP UNIT AGREEMENT
LEA COUNTY, NEW MEXICO

(Royalty and Overriding Royalty Interest Owner)

KNOW ALL MEN BY THESE PRESENTS, THAT:

WHEREAS, a certain instrument entitled UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE LAGUNA DEEP UNIT AREA, LEA COUNTY, NEW MEXICO, has been executed as of the 2nd day of February, 1978, by various persons conducting operations with respect to the Laguna Deep Unit Area, located in Lea County, New Mexico, as more particularly described in said Agreement; and

WHEREAS, the Unit Agreement, by Exhibit "A", shows on a map the boundary lines of the Unit Area and the tracts therein and, by Exhibit "B", describes each Tract within the Unit Area; and

WHEREAS, the Unit Agreement provides that a person may become a party thereto by signing an instrument agreeing to be bound by the provisions thereof; and

WHEREAS, the undersigned (whether one or more) is, or claims to be, the owner of a royalty and/or overriding royalty interest in one or more of the Tracts described in Exhibit "B" of the Unit Agreement.

NOW, THEREFORE, the undersigned (whether one or more), for and in consideration of the premises and the benefits anticipated to accrue under said agreement, does hereby agree to become a party to and to be bound by the provisions of the said Unit Agreement, and the undersigned does hereby agree that the parties to said agreement are those persons signing the originals of said instruments, counterparts thereof, or other instruments agreeing to be bound by the provisions thereof. The undersigned does also hereby acknowledge receipt of a true copy of the said Unit Agreement.

IN WITNESS WHEREOF, the undersigned has executed this instrument on the date set forth opposite the undersigned's signature.

Date: 1-28-81
2-28-81

Address: P.O. Box 9401

Mary Spencer
Mary Spencer

State of New Mexico



Commissioner of Public Lands

March 2, 1981

ALEX J. ARMIJO
COMMISSIONER

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

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

6182

Re: Laguna Deep Unit
Lea County, New Mexico
1981 PLAN OF DEVELOPMENT AND
OPERATION

ATTENTION: Linda H. Hicks

Gentlemen:

The Commissioner of Public Lands has this date approved your 1981 Plan of Development and Operation for the Laguna Deep Unit, Lea County, New Mexico. Such plan proposes the drilling of well No. 3 in 1981 since it was not drilled in 1980. Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Division.

Enclosed is one copy of the Plan for your files.

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

Very truly yours,

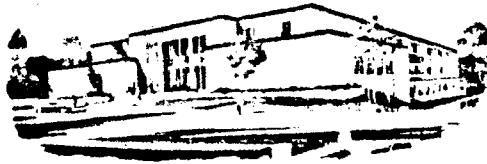
ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

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

AJA/RDG/s
encls.
cc:

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

State of New Mexico



Commissioner of Public Lands

March 2, 1981

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

ALEX J. ARMIJO
COMMISSIONER

6182

Union Oil Company of California
500 North Mariefeld
Midland, Texas 79701

Re: Laguna Deep Unit
Lea County, New Mexico
RATIFICATION AND JOINDER

ATTENTION: Richard R. Oelze

Gentlemen:

We are in receipt of "Royalty and Overriding Royalty Interest Owner" Ratification and joinder under Tract 1, executed by Mary Spencer, also, Amoco Production Company's consent to the joinder.

The Commissioner of Public Lands has this date approved the above mentioned ratification and joinder and we have this date filed them in our unit file.

We are retaining all copies for our files.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:

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

AJA/RDG/s
cc:

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

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



6182

Robert V. Lockhart
District Land Manager
Midland District

August 19, 1980

United States Geological Survey
P. O. Box 1857
Roswell, New Mexico 88201

Attn: Mr. Ray Noble

Gentlemen:

Revised Participating Area
Laguna Deep Unit
Lea County, New Mexico

In connection with our application for approval of the first revision of the Laguna Deep Unit participating area for the Morrow formation, please find enclosed the isopach maps you requested of the middle and lower Morrow sands, in triplicate. Please distribute as required. We are also sending a copy to the Commissioner of Public Lands and the Oil Conservation Division.

Should you need any further information, please do not hesitate to call.

Very truly yours,

UNION OIL COMPANY OF CALIFORNIA

Linda H. Hicks

Linda H. Hicks
Landman

LHH:cs

Encl.

cc: Oil Conservation Division - Attn: Mr. Joe Ramey
Case No. 6182
Order No. R-5684

Commissioner of Public Lands - Attn: Mr. Armando Lopez (Letter Only)
P. O. Box 26124
Albuquerque, New Mexico 87125

