



# 5212

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

June 9, 1994

Atlantic Richfield Company  
ARCO Permian  
P.O. Box 1610  
Midland, Texas 79702

Attention: Mr. John E. Lodge

Re: Designation of Successor Unit Operator  
Citgo Empire Abo Unit  
Eddy County, New Mexico

Dear Mr. Lodge:

This office is in receipt of a designation of successor unit operator, wherein Oxy USA, Inc. has resigned as unit operator of the Citgo Empire Abo Unit and designated Atlantic Richfield Company as the successor unit operator of the Citgo Empire Abo Unit Area, Eddy County, New Mexico.

The Commissioner of Public Lands has this date approved the resignation of Oxy, USA, Inc. and the designation of Atlantic Richfield Company as the successor unit operator of this unit. This change in operators is effective September 1, 1993. In accordance with this approval, Atlantic Richfield Company is now responsible for all operations and the reporting of all production from the unit.

Please be advised that since we are unable to approve the unit name change to the Riverwolf Unit, these documents are accepted for record and have been filed in our "Citgo Empire Abo Unit" agreement file.

Atlantic Richfield Company

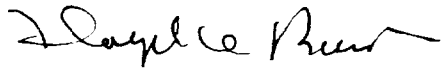
Page 2

June 9, 1994

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: 

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

RP/FOP/pm

enclos.

cc: Reader File

Oxy USA, Inc.

OCD - Ben Stone

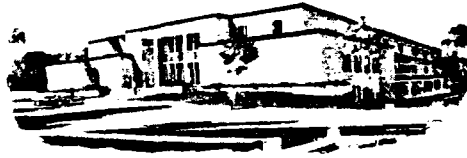
TRD

State of New Mexico

#5212



W.R. HUMPHRIES  
COMMISSIONER



Commissioner of Public Lands

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

October 5, 1990

OXY USA Inc.,  
Box 50250  
Midland, TX 79710

Attn: Frank A. Vitrano

Re: Citgo Empire Abo Unit  
Eddy County, New Mexico  
1990 Plan of Development

Dear Mr. Vitrano:

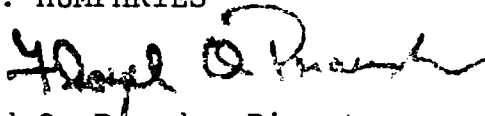
The Commissioner of Public Lands this date approved the 1990 Plan of Development for the Citgo Empire Abo Unit. Our approval is subject to like approval by all other appropriate agencies. Please forward to this office current copies of both Exhibits A & B.

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

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

Sincerely,

W. R. HUMPHRIES

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

cc: OCD  
Unit Corresp.  
Unit POD



#5212

OXY USA INC.

Box 50250, Midland, TX 79710

REC'D 10 11 9 09

March 29, 1990

United States Department of the Interior  
Bureau of Land Management  
P. O. Box 1397  
Roswell, NM 88201-1397

RE: Citgo Empire Abo Unit

Gentlemen:

In compliance with section 10 of the Unit Agreement, Citgo Empire Abo Unit, Eddy County, New Mexico, OXY USA Inc. as Unit Operator hereby submits for your approval a Plan of Operation beginning January 1, 1990, and extending through December 31, 1990.

Sincerely yours,

Frank A. Vitrano  
Operations Manager  
Hobbs Area  
Western Region

FAV/seg

cc: State of New Mexico, Commissioner of Public Lands  
New Mexico Oil Conservation Division

## Citgo Empire Abo Unit

### 1990 Plan of Operation

#### 1.) Summary of Proposed Plan of Operation for 1990

Oxy USA Inc. as operator of the Citgo Empire Abo Unit, Eddy County, New Mexico, proposes to continue operation of the unit in 1990 substantially the same as in recent years. We will produce oil from the lowest gas-oil ratio wells to maximize efficiency, sell as much residue gas as our reservoir voidage limit will allow, and re-inject all remaining residue gas.

#### 2.) Project Area - Description, History, and Performance

The Citgo Empire Abo Unit consists of 361.06 acres in Eddy County, New Mexico. The area is located in portions of Section 35, T-17-S, R-27-E, and Section 2, T-18-S, R-27-E. In December 1989, the Unit averaged 12 BOPD and 1 BWPD with a gas-oil ratio of 100,260 cubic feet of gas per barrel of oil. The unit was unitized in June 1974, with gas injection beginning in June 1975. A natural gas liquids extraction operation was initiated in January 1977 and was suspended in December 1986 due to low product prices.

#### 3.) Discussion of Operations

The unit will inject any gas not sold into the Abo gas cap through one injection well located on the north end of the unit. All available residue gas that is not sold is injected into the Abo gas cap through this well. Since the shut down of the natural gas liquids plant, the unit picks up the gas from the unit separators at 50 psi and compresses it to 1600 psi for injection. There are no plans at this time to do any remedial work on the Citgo Empire Abo Unit. We plan to produce the lowest GOR wells, sell as much residue gas as our reservoir voidage limit will allow, and inject all remaining residue gas.

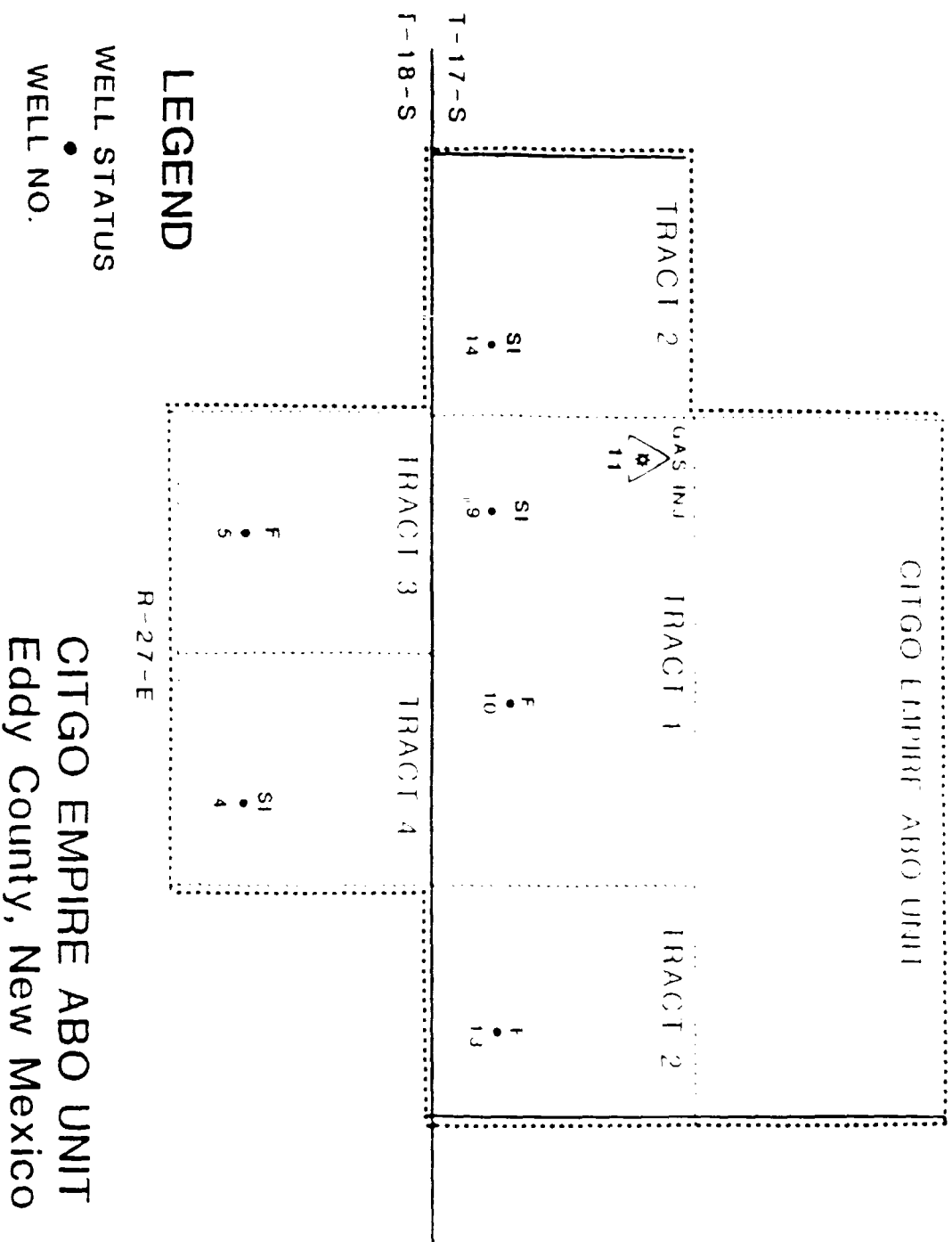
#### 4.) Modifications

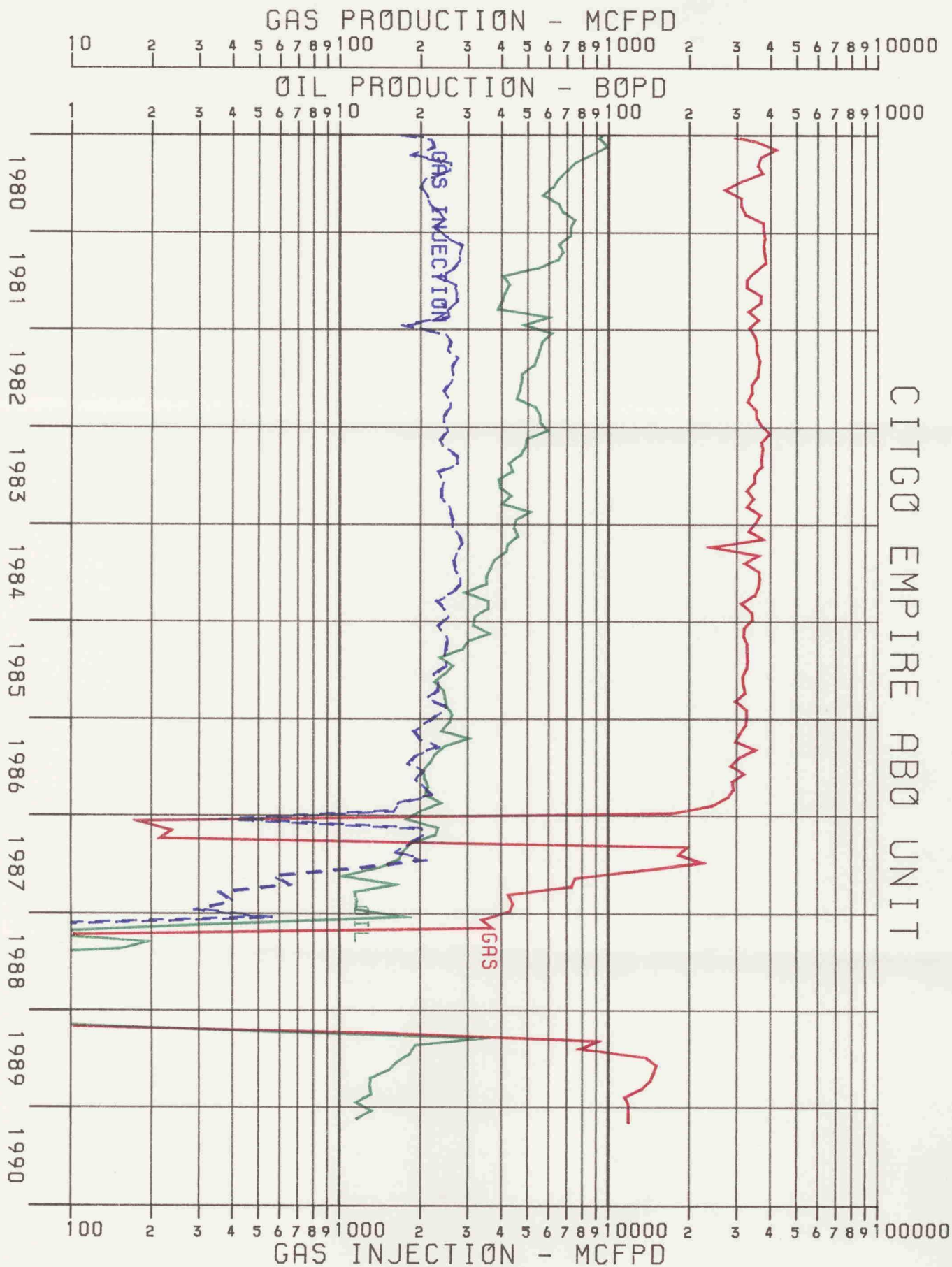
This plan of operation may be modified to meet any changing conditions at any time with the approval of the Bureau of Land Management, the Commissioner of Public Lands of the State

of New Mexico, and the New Mexico Oil Conservation Division. Oxy USA Inc., as Unit operator, will preserve all rights of the mineral owners, and will efficiently attempt to recover all recoverable Unit area reserves.

5.) Effective Date and Duration of Plan

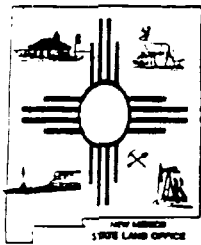
This plan of operation shall be effective January 1, 1990 and extend through December 31, 1990 unless otherwise amended.







#5231



State of New Mexico  
Commissioner of Public Lands

W. R. Humphries  
COMMISSIONER

April 4, 1990

Advisory Board

George Clark  
Chairman

Kristin Conniff  
Vice Chairman

Melvin Cordova

Joe Kelly

Robert Portillos

Nancy Lynch Vigil

Rex Wilson

Murchison Oil & Gas, Inc.  
First Interstate Bank Tower, Suite 5300  
Lock Box 152  
1445 Ross Avenue  
Dallas, Texas 75202-2733

ATTN: Mr. Michael Daugherty

RE: Successor Unit Operator  
Nash Unit  
Eddy County, New Mexico

Gentlemen:

We received your letter, dated March 28, 1989, requesting approval for the the change in Unit Operator for the Nash Unit in Eddy County, New Mexico from Mesa Operating Limited Partnership to Murchison Oil and Gas, Inc. We also received copies of the working interest owner's approvals of this change in Unit Operator.

The Commissioner of Public Lands hereby approves the change of Unit Operator of the Nash Unit to Murchison Oil and Gas, Inc.

If you have any questions, please call 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) 827-5744

#5579

**EXXON** COMPANY, U.S.A. 13

POST OFFICE BOX 1600 • MIDLAND, TEXAS 79702-1600

March 30, 1990

EXPLORATION DEPARTMENT  
WESTERN DIVISION

R. THOMAS  
AND ASSOCIATES

4-2-90  
D- Unit letter  
The  
Ry

1990 Plan of Development/  
Operations **Laguna Grande**  
**Unit**-Effective 12/01/75  
Contract Number  
12-08-0001-14272  
Section 29:E/2 T23S-R29E  
Eddy County, NM  
Laguna Salado Atoka Field

Mr. Joe G. Lara  
United States Department of Interior  
Bureau of Land Management  
Roswell District Office  
P. O. Box 1397  
Roswell, NM 88202-1397

During the 1989 calendar year, no wells were drilled nor was a workover performed on the Unit's only well, The Laguna Grande Unit well # 3. Attached are a current map showing the location of this well and a report showing production data in statistical form for this well.

During the period of January 1, 1990 through December 31, 1990, no drill wells or workovers are planned.

Exxon, as operator of this unit, requests your approval of this Plan of Development and Operations.

Very truly yours,

*Joe B. Thomas*

→ c: New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, NM 87501

Working Interest Owners  
(see Attached listing)

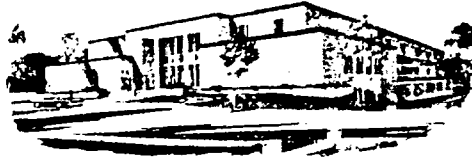
PRODUCTION DATA  
FOR LAGUNA GRANDE UNIT  
1989

	<u>Oil</u> <u>BOPD</u>	<u>Water</u> <u>BWPD</u>	<u>Gas</u> <u>*MCFGPD</u>
J	0	1	143
F	0	1	37
M	0	1	177
A	0	2	169
M	0	5	183
J	1	5	141
J	0	1	189
A	0	3	96
S	1	12	153
O	0	5	175
N	1	5	166
D	0	4	182
Cumulative for 1989	<u>82B0</u>	<u>1,321BW</u>	<u>55,000MC FG</u>

\*M = Thousand



State of New Mexico



W.R. HUMPHRIES  
COMMISSIONER

Commissioner of Public Lands

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

March 30, 1989

#5212

OXY USA Inc.  
P.O. Box 50250  
Midland, Texas 79710

ATTN: Frank Vitrano

RE: 1989 Plan of Development  
Citgo Empire Abo Unit  
Eddy County, New Mexico

Gentlemen:

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

Enclosed is a copy for your files.

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

Very truly yours,

W.R. HUMPHRIES  
COMMISSIONER OF PUBLIC LANDS

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

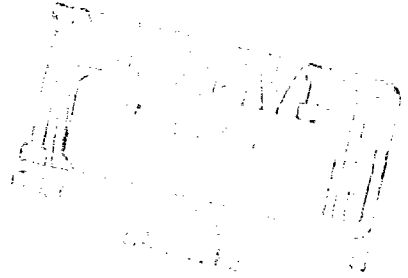
cc:OCD  
BLM



OXY USA INC.

Box 50250, Midland, TX 79710

March 14, 1989



United States Department of the Interior  
Bureau of Land Management  
P. O. Box 1397  
Roswell, New Mexico 88201-1397

Gentlemen:

In compliance with section 10 of the Unit Agreement, Citgo Empire Abo Unit, Eddy County, New Mexico, Oxy USA, Inc., as Unit Operator hereby submits for your approval a Plan of Operation beginning January 1, 1989, and extending through December 31, 1989.

Sincerely,

A handwritten signature in cursive script, reading "Frank A. Vitrano".

Frank A. Vitrano  
Operations Manager  
Midland District

SEG:kh

cc: State of New Mexico, Commissioner of Public Lands  
New Mexico Oil Conservation Division

Citgo Empire Abo Unit  
1989 Plan of Operation

1.) Summary of Proposed Plan of Operation for 1989

Oxy USA Inc. as operator of the Citgo Empire Abo Unit, Eddy County, New Mexico, proposes to continue operation of the unit in 1989 substantially the same as in recent years. We will produce oil from the lowest gas-oil ratio wells to maximize efficiency, sell as much gas as our reservoir voidage limit will allow, and re-inject all remaining gas.

2.) Project Area - Description, History, and Performance

The Citgo Empire Abo Unit consists of 361.06 acres in Eddy County, New Mexico. The area is located in portions of Section 35, T-17-S, R-27-E, and Section 2, T-18-S, R-27-E. In December 1989, the Unit averaged 8 BOPD and 1 BWPD with a gas-oil ratio of 21,750 cubic feet of gas per barrel of oil. The unit was unitized in June 1974, with gas injection beginning in June 1975. A natural gas liquids extraction operation was initiated in January 1977 and was suspended in December 1986 due to low product prices.

3.) Discussion of Operations

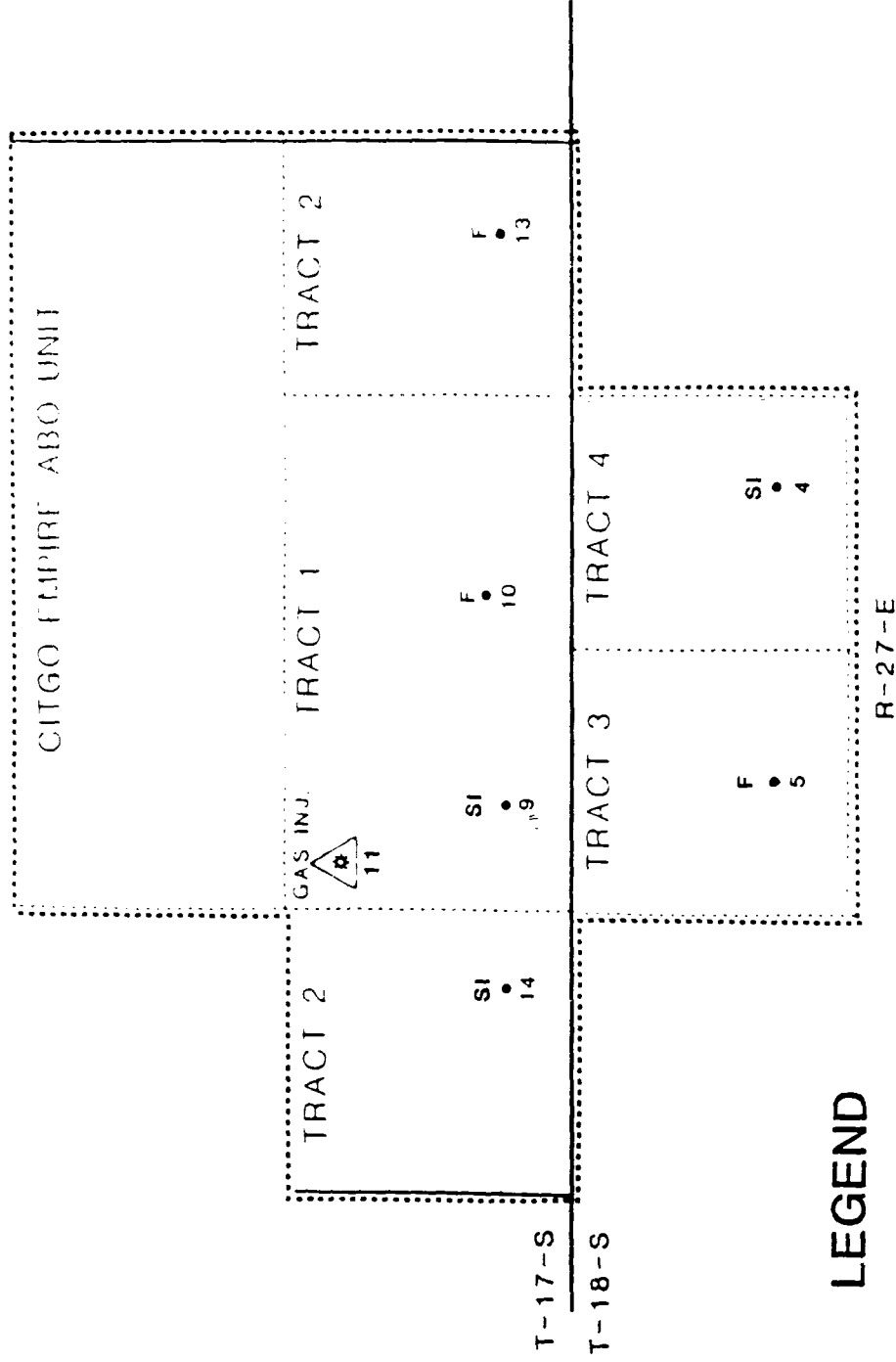
The unit currently injects all gas in excess of the reservoir voidage limit into the Abo gas cap through one injection well located on the north end of the unit. All available residue gas is injected into the Abo gas cap through this well. Since the shut down of the natural gas liquids plant, the unit picks up the gas from the unit separators at 50 psi and compresses it to 1600 psi for injection. There are no plans at this time to do any remedial work on the Citgo Empire Abo Unit. We plan to produce the lowest GOR wells, sell as much gas as our reservoir voidage limit will allow, and inject all remaining gas.

4.) Modifications

This plan of operation may be modified to meet any changing conditions at any time with the approval of the Bureau of Land Management, the Commissioner of Public Lands of the State of New Mexico, and the New Mexico Oil Conservation Division. Oxy USA Inc., as Unit operator, will preserve all rights of the mineral owners, and will efficiently attempt to recover all recoverable Unit area reserves.

5.) Effective Date and Duration of Plan

This plan of operation shall be effective January 1, 1989 and extend through December 31, 1989 unless otherwise amended.



CITGO EMPIRE ABO UNIT  
Eddy County, New Mexico



SF



5212

CITIES SERVICE OIL COMPANY

Box 1919  
Midland, Texas 79701  
Telephone (915) 684-7131

**RECEIVED**

November 29, 1976

NOV 29 1976

O. C. C.  
ARTESIA, OFFICE

New Mexico Oil Conservation Commission  
Drawer D.D.  
Artesia, New Mexico 88210

RE: Citgo Empire Abo Unit  
Pressure Maintenance Project  
Empire Abo Pool

Gentlemen:

Attached is the October, 1976 monthly report for the Citgo Empire Abo Unit. The October production was 6522 Barrels of Oil, a daily rate of 210 BOPD. The October production voided the reservoir by 1876 RVB/day.

Cities Service is requesting a December, 1976 allowable of 6851 barrels of oil or 221 BOPD. The requested allowable will void the reservoir by 2191 RVB/day.

Sincerely yours,

Robert H. Johnson, Jr.  
Petroleum Engineer

RHJ/cfh  
Enc:1

ABOUT 11/29/76

CITGO EMPIRE ABO PRESSURE MAINTENANCE PROJECT  
(N.M.O.C.C. ORDER R-4808)  
CITIES SERVICE OIL COMPANY-OPERATOR

PRODUCTION REPORT FOR THE MONTH OF OCTOBER 1976

\*\*\*\*\*

LATEST 24-HR TEST REPORT MONTH PRODUCTION

TCT WELL NO NO	SEC T R	WELL DATE STA M YR	OIL BBL	WATER BBL	GAS MCF	GOR CF/B	OIL BPM	WATER BPM	GAS MCF/M	GOR CF/B
1 9	35 17 27	1 0 0	0	0	0	0	0	0	0	0
1 10	35 17 27	1 8 76	25	0	432	17280	761	0	9856	12951
2 13	35 17 27	1 10 76	92	0	1498	16283	2440	0	34176	14006
2 14	35 17 27	1 10 76	2	0	0	0	42	0	0	0
3 5	2 18 27	1 10 76	67	0	1821	21179	1771	0	41545	23458
4 4	2 18 27	1 10 76	57	0	1392	24421	1508	0	31758	21059

TOTAL 6522 0 117335

INJECTION REPORT FOR THE MONTH OF OCTOBER 1976

\*\*\*\*\*

TCT WELL NO NO	SEC T R	MONTHLY INJECTION	CUMULATIVE INJECTION	INJECTION PRESSURE
1 11	35 17 27	84725	1342932	1600

WELL STATUS CODE: 1= FLOWING, 2= PUMPING

BU= 1.4104

BO= 1.78074

RS= 0.787277

RESERVOIR PRESSURE= 1321

ABOOUT 11/29/76

CITGO EMPIRE ABO PRESSURE MAINTENANCE PROJECT  
RESERVOIR VOIDAGE CALCULATIONS

\*\*\*\*\*

TCT WELL		SEC	T	P	QO BBL	OIL VOID OIL*BO RVB/D	GAS VOIDAGE OIL*PG* (PPN-RS) RVB/D	TOTAL NET VOIDAGE RVB/D
NO.	NO.							
1	9	35	17	27	0	0	0	0
1	10	35	17	27	25	35	123	158
2	13	35	17	27	75	111	435	546
2	14	35	17	27	1	1	0	1
3	5	2	18	27	57	80	543	603
4	4	2	18	27	49	69	439	508

TOTAL VOIDAGE FOR OCTOBER 1975= 1876 RES. RBL/D

ABOOUT

11/29/76

ALLOWABLE REQUEST FOR DECEMBER 1976= 6851 BBL

\*\*\*\*\*

TCT WELL NO.	NO.	SEC T R	WELL STATUS	DAILY ALLOWABLE BOPD	MONTHLY ALLOWABLE BOPM
1	9	35 17 27	1	0	0
1	10	35 17 27	1	25	775
2	13	35 17 27	1	92	2852
2	14	35 17 27	1	2	62
3	5	2 18 27	1	45	1395
4	4	2 18 27	1	57	1767

ESTIMATED GOR = 18 MCF/BBL

ESTIMATED GAS INJECTION RATE= 2750 MCF/D

ABOOUT

11/29/76

CITGO EMPIRE ABQ PRESSURE MAINTENANCE PROJECT  
RESERVOIR VOIDAGE CALCULATIONS

\*\*\*\*\*

TCT WELL NO.	NO.	SEC T R	QD BBL	OIL VOID QD*BD RVE/D	GAS VOIDAGE QD*BG* (RPN-PS) RVE/D	TOTAL NET VOIDAGE RVE/D
1	9	35 17 27	0	0	0	0
1	10	35 17 27	25	35	149	184
2	13	35 17 27	92	130	508	638
2	14	35 17 27	2	3	0	3
3	5	2 18 27	45	63	711	774
4	4	2 18 27	56	80	512	592

TOTAL VOIDAGE REQUESTED FOR DECEMBER 1976= 2191 RES. BBL/D

ABOUT 11/29/76

CITGO EMPIRE ABQ PRESSURE MAINTENANCE PROJECT

GAS BANK STATEMENT

\*\*\*\*\*

MONTH	GAS PRODUCED MCF/M	GAS INJECTED MCF/M	BANK CREDIT MCF	BANK DEBIT MCF	BANK STATUS MCF
1975					
NOVEMBER	83782	81082	0	0	0
DECEMBER	77903	75330	37974	0	37974
1976					
JANUARY	90475	83570	71583	0	109558
FEBRUARY	107175	81361	12071	0	121629
MARCH	120023	85478	8923	0	130553
APRIL	121452	82953	616	0	131169
MAY	129698	89174	11	0	131180
JUNE	149926	87514	0	23167	108012
JULY	129544	88608	0	363	107648
AUGUST	132874	84843	0	9540	98107
SEPTEMBER	127658	84999	0	5409	92697
OCTOBER	117335	84725	5883	0	98581



5-12

CITIES SERVICE OIL COMPANY

Cities Service Building  
Box 300  
Tulsa, Oklahoma 74102  
August 15, 1974

New Mexico Oil Conservation Commission  
Box 2088  
Santa Fe, New Mexico, 87501

Attention: Mr. A. L. Porter, Jr.

Re: Citgo Empire Abo Unit  
Eddy County, New Mexico

Gentlemen:

Under date of August 1, 1974, we furnished you with a copy of the Certificate of Effectiveness for the captioned unit. We wish to advise that said Certificate of Effectiveness was filed for record on the 6th day of August, 1974, at 4:20 o'clock p.m. and duly recorded in Book 119, Page 297, of the Miscellaneous Records of Eddy County, New Mexico.

If you desire copies of the original recorded instrument, please advise and we will furnish same.

Very truly yours,

Joe B. Sparks  
Supervisor Unitization  
Land Department

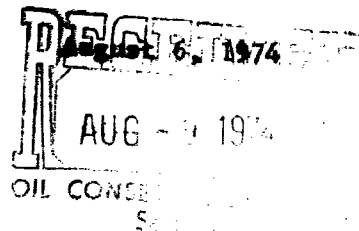
JBS:fml



21  
United States Department of the Interior

Geological Survey  
Office 1857  
Roswell, New Mexico 88201

Citgas Service Oil Company  
Attention: Mr. E. F. Matter  
P.O. Box 1919  
Midland, Texas 79701



Gentlemen:

One approved copy of your Initial Plan of Operation, dated August 1, 1974, for the Citgo Empire Abo unit area, Eddy County, New Mexico, is enclosed. Such plan proposes the drilling of a gas injection well and the injection of produced gas for partial pressure maintenance and improved operating efficiency.

Approval of the plan on this date is subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) CARL C. TRAYWICK

CARL C. TRAYWICK  
Acting Area Oil and Gas Supervisor

cc:

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

JAGillham:ds





CITIES SERVICE OIL COMPANY

5-1  
Cities Service Building  
Box 300  
Tulsa, Oklahoma 74102  
August 2, 1974

NEW MEXICO  
AUG 11 1974  
CITGO  
New Mexico Oil Conservation Commission  
Box 2088  
Santa Fe, New Mexico, 87501

Attention: Mr. A. L. Porter, Jr.

Re: Citgo Empire Abo Unit  
Eddy County, New Mexico

Gentlemen:

We wish to advise that the Unit Agreement covering the captioned was recorded August 1, 1974, at 3:00 p.m. in Miscellaneous Book 119, Page 82, in the records of Eddy County, New Mexico.

We will advise you of the recording information on the Certificate of Effectiveness when it is returned from record.

Very truly yours,

Joe B. Sparks  
Supervisor Unitization  
Land Department

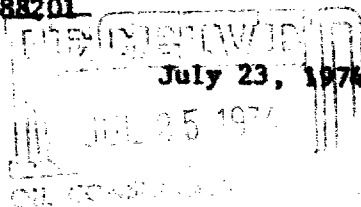
JBS:fml



United States Department of the Interior

5212

GEOLOGICAL SURVEY  
Drawer 1857  
Roswell, New Mexico 88201



Cities Service Oil Company  
Attention: Mr. J. C. Williams  
Cities Service Building  
Box 300  
Tulsa, Oklahoma 74102

Gentlemen:

The Citgo Empire Abo unit agreement, Eddy County, New Mexico, was approved July 23, 1974. This agreement has been assigned No. 14-08-0001-14166 and is effective as of August 1, 1974.

Enclosed is one copy of the approved unit agreement. We request that you furnish the Oil Conservation Commission and the Land Commissioner of the State of New Mexico and all other interested principals with appropriate evidence of this approval.

Sincerely yours,

CARL C. TRAYWICK  
Acting Area Oil and Gas Supervisor

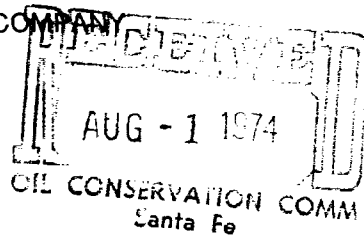
cc:

BLM, Santa Fe (w/cy approved appln)  
NMOC, Santa Fe (ltr only)  
Com. Pub. Lands, Santa Fe (ltr only)  
Area Geologist, Roswell (ltr only)  
Artesia (w/cy approved appln)

ARStall:ds



CITIES SERVICE OIL COMPANY



Cities Service Building  
Box 300  
Tulsa, Oklahoma 74102  
July 29, 1974

New Mexico Oil Conservation Commission  
Box 2088  
Santa Fe, New Mexico, 87501

Attention: Mr. A. L. Porter, Jr.


Re: Citgo Empire Abo Unit  
Eddy County, New Mexico

Gentlemen:

Enclosed for your file please find a copy of the Certificate of Determination executed by Carl C. Traywick, Acting Area Oil and Gas Supervisor, United States Geological Survey. You will note that the captioned unit will become effective August 1, 1974.

We are mailing a copy of the Unit Agreement to be recorded in the County Records. We are in the process of preparing a Certificate of Effectiveness which will also be filed in the County Records and we will furnish you a copy when same is available.

Very truly yours,

  
Joe B. Sparks  
Supervisor Unitization  
Land Department

JBS:fml  
Attach.

CERTIFICATION--DETERMINATION

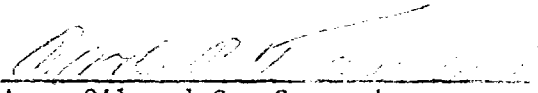
Pursuant to the authority vested in the Secretary of Interior, under the act approved February 25, 1920, 41 Stat. 437, as amended, 30 U. S. C. secs. 181, et seq., and delegated to the Area Oil and Gas Supervisors of the Geological Survey, I do hereby:

A. Approve the attached agreement for the development and operation of the Citgo Empire Abo Unit Area, State of New Mexico.

B. Certify and determine that the unit plan of development and operation contemplated in the attached agreement is necessary and advisable in the public interest for the purpose of more properly conserving the natural resources.

C. Certify and determine that the drilling, producing, rental, minimum royalty, and royalty requirements of all Federal leases committed to said agreement are hereby established, altered, changed, or revoked to conform with the terms and conditions of this agreement.

Dated July 23, 1974.

Acting   
Area Oil and Gas Supervisor  
United States Geological Survey

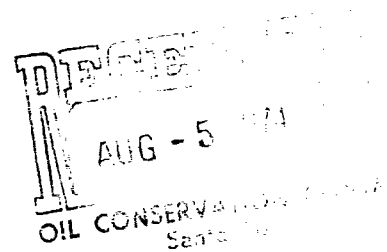
Contract Number 14-08-0001-14166



CITIES SERVICE OIL COMPANY

Cities Service Building  
Box 300  
Tulsa, Oklahoma 74102  
August 1, 1974

New Mexico Oil Conservation Commission  
Box 2088  
Santa Fe, New Mexico, 87501



Attention: Mr. A. L. Porter, Jr.

Re: Citgo Empire Abo Unit  
Eddy County, New Mexico

Gentlemen:

Enclosed for your file please find a copy of the Certificate of Effectiveness for the captioned unit.

We have this date mailed a copy of said Certificate of Effectiveness to be recorded in Eddy County, New Mexico, and will advise you of the recording information when same is returned from record.

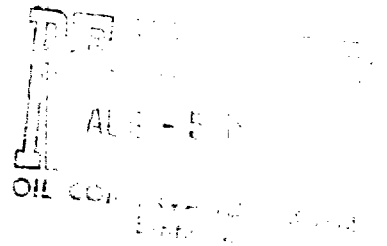
Very truly yours,

Joe B. Sparks  
Supervisor Unitization  
Land Department

JBS:fml  
Attach.

CERTIFICATE OF EFFECTIVENESS

CITGO EMPIRE ABO UNIT  
EDDY COUNTY, NEW MEXICO



WHEREAS, under date of February 1, 1974, the parties of interest entered into a Unit Agreement for the development and operation of the Citgo Empire Abo Unit, Empire Abo Pool, Eddy County, New Mexico, insofar as the Abo Formation or Unitized Formation is defined in said Unit Agreement, and covering the following described lands, to-wit:

SW/4 SE/4, SE/4 SW/4, SW/4 SW/4, NE/4 SW/4, N/2 SE/4,  
SE/4 SE/4 Section 35, T-17-S, R-27-E and Lot 3 (NE/4 NW/4),  
Lot 2 (NW/4 NE/4) Section 2, T-18-S, R-27-E, Eddy County,  
New Mexico; and

WHEREAS, said lands were unitized for the purpose of development and operation of the Abo Formation, including operations for secondary recovery, and Cities Service Oil Company, Tulsa, Oklahoma, is designated in said Unit Agreement as the Unit Operator; and

WHEREAS, said Unit Agreement was approved by the Commissioner of Public Lands of the State of New Mexico, by Certificate of Approval, dated April 11, 1974; and

WHEREAS, said Unit Agreement was approved by the Oil Conservation Commission of the State of New Mexico, under date of May 28, 1974, in Case No. 5212, by Order No. R-4791; and

WHEREAS, said Unit Agreement has been approved by the United States Geological Survey on July 23, 1974, and designated No. 14-08-0001 14166.

NOW THEREFORE, said Cities Service Oil Company, as Unit Operator of said Citgo Empire Abo Unit, declared said Unit to be effective as of 7:00 a.m. August 1, 1974, and for the purpose of complying with Article 22 of said Unit Agreement does hereby certify that said Unit Agreement did become effective according to its terms as of the time and date herein specified.

CITIES SERVICE OIL COMPANY

By Mark F. Payton Attorney-in-Fact

STATE OF OKLAHOMA )  
 ) SS  
COUNTY OF TULSA )

My Commission Expires:

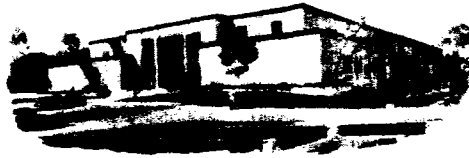
Oil Company.

Dora M. Weedman

DORA M. WEEDMAN, Notary Public  
-County of Tulsa, State of Oklahoma  
My Commission Expires: February 9, 1977

State of New Mexico

TELEPHONE  
505-827-2748



Commissioner of Public Lands  
April 11, 1974

ALEX J. ARMIJO  
COMMISSIONER

P. O. BOX 1148  
SANTA FE, NEW MEXICO

Cities Service Oil Company  
Cities Service Building  
Box 300  
Tulsa, Oklahoma 74102

Re: Citgo Empire Abo Unit  
Eddy County, New Mexico

ATTENTION: Mr. J. C. Williams

Gentlemen:

The Commissioner of Public Lands has this date given final approval to your Citgo Empire Abo Unit, Eddy County, New Mexico. This approval is subject to like approval by the United States Geological Survey.

Enclosed are five (5) Certificates of approval. We are sending a copy of this letter as well as a copy of the Certificate to the United States Geological Survey.

Please advise this office when the USGS approves this unit so that we may finish processing the agreement and ascertain the effective date.

Very truly yours,

RAY D. GRAHAM, Director  
Oil and Gas Department

AJA/RDG/s  
encls.  
cc:

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



State of New Mexico

TELEPHONE

505-827-2748



Commissioner of Public Lands

April 11, 1974

ALEX J. ARMIJO  
COMMISSIONER

P. O. BOX 1148  
SANTA FE, NEW MEXICO

Cities Service Oil Company  
Cities Service Building  
Box 300  
Tulsa, Oklahoma 74102

Re: CITGO EMPIRE A30 UNIT  
PLAN OF OPERATION  
Eddy County, New Mexico

ATTENTION: Mr. J. C. Williams

Gentlemen:

Please be advised that the Commissioner of Public Lands has this date approved your Plan of Operation for the Citgo Empire Abo Unit, Eddy County, New Mexico. This approval is subject to like approval by the United States Geological Survey.

Enclosed is one (1) approved copy for your files.

Very truly yours,

RAY D. GRAHAM, Director  
Oil and Gas Department

AJA/EDG/s

encl. 1

cc:

USGS-Roswell, New Mexico

OCC- Santa Fe, New Mexico ✓



# OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO  
P. O. BOX 2088 - SANTA FE  
87501

I. R. TRUJILLO  
CHAIRMAN

LAND COMMISSIONER  
ALEX J. ARMIJO  
MEMBER

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

May 28, 1974

Mr. Tom Kellahin  
Kellahin & Fox  
Attorneys at Law  
Post Office Box 1769  
Santa Fe, New Mexico

Re: CASE NO. 5212

ORDER NO. B-4791

Applicant:

Cities Service Oil Company

Dear Sir:

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

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/ir

Copy of order also sent to:

Hobbs OCC       x        
Artesia OCC       x        
Aztec OCC           

Other Unit Division - State Land Office

MR. CLARENCE HINKLE