

4578



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

October 15, 1997

Altura Energy Ltd.
P.O. Box 4294
Houston, Texas 77210-4294

Attn: Ms. Barbara J. Venable

Re: Resignation/Designation of Successor Unit Operator
Empire South Deep Unit
Eddy County, New Mexico

Dear Ms. Venable:

We are in receipt of your resignation/designation of successor unit operator, wherein Amoco Production Company has resigned as unit operator of the Empire South Deep Unit and designated Altura Energy Ltd. as the successor unit operator.

The Commissioner of Public Lands has this date approved the resignation of Amoco Production Company and the designation of Altura Energy Ltd. as the successor unit operator of this unit.

This change in operators is effective March 1, 1997. In accordance with this approval, Altura Energy Ltd. is now responsible for all operations and the reporting of all production from the unit.

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

Very truly yours,

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

BY:

A handwritten signature in black ink, appearing to read "Jami Bailey".

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

RP/JB/cpm

xc: Reader File Amoco Production Company OCD-Roy Johnson TRD BLM

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

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

April 4, 1989

#4578

Amoco Production Company
P.O. Box 3092
Midland, Texas 79253

ATTN: Lynn Wilson

RE: 1989 Plan of Development
Empire South Deep 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,

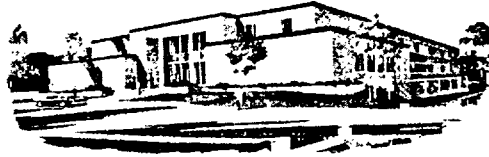
W.R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

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

cc:OCD
BLM



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

SLO REF NO OG-727

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

March 24, 1988

Amoco Production Company
Attn: Mr. V. P. Whitfield
P. O. Box 3092
Houston, Texas 77253

Re: 1988 Plan of Development
Empire South Deep Unit
Eddy 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
encls.
cc: OCD
BLM



State of New Mexico

OFFICE OF THE

Commissioner of Public Lands

Santa Fe

SLO REF. NO. OG-331

WILLIAM R. HUMPHRIES
COMMISSIONER

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

August 13, 1967

Amoco Production Company
Attention: R. A. Sheppard
501 W. Park Blvd.
P. O. Box 3092
Houston, Texas 77253

Re: Empire South Deep Unit
1967 Plan of Development

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 appropriate agencies.

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 & Gas Division
(505) 827-5744

WRH/FOP/ams

enclosure

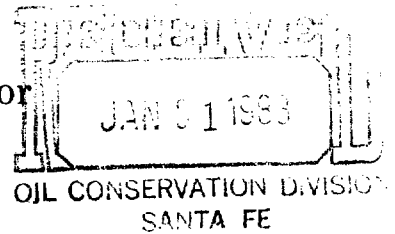
cc:BLM - Roswell, New Mexico
OCD-Santa Fe, New Mexico



IN REPLY
REFER TO:

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
505 MARQUETTE AVENUE, N.W., SUITE 815
ALBUQUERQUE, NEW MEXICO 87102



~~4578~~ 4578

JAN 27 1983

Amoco Production Company
Attention: D. M. Basinger
P. O. Box 3092
Houston, Texas 77253

Gentlemen:

An approved copy of your 1983 plan of development for the Empire South Deep unit area, Eddy County, New Mexico, is enclosed. Such plan, proposing no development drilling for 1983, 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 Minerals Manager
Oil and Gas

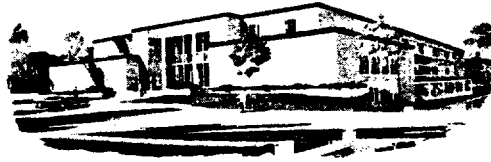
Enclosure

cc:
Comm. of Public Lands
NMOCD

State of New Mexico



JIM BACA
COMMISSIONER



Commissioner of Public Lands

January 18, 1983

Case # 4578

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

Amoco Production Company (USA)
P. O. Box 3092
Houston, Texas 77253

Re: 1983 Plan of Development
Empire South Deep Unit
Eddy County, New Mexico

ATTENTION: Mr. D. M. Basinger

Gentlemen:

The Commissioner of Public Lands has this date approved your 1983 Plan of Development for the Empire South Deep Unit, Eddy County, New Mexico. Such plan calls for no development drilling for the year. Our approval is subject to like approval by the Bureau of Land Management and the New Mexico Oil Conservation Division.

Enclosed is an approved copy for your files.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

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

JB/FOP/pm
encls.

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



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)-827-5715

PLANNING
(505)-827-5752

December 29, 1998

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

Attn: Mr. Wynton B. Watt

Re: 1998 Plan of Development
Empire South Deep Unit
Eddy County, New Mexico

Dear Mr. Watt:

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

"WE WORK FOR EDUCATION"



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 15, 1999

Rising Star Energy
3141 Hood Street
Suite 350
Dallas, Texas 75219

Attn: Ms. Jan Tidwell

Re: Resignation/Designation of Successor Unit Operator
Empire South Deep Unit
Eddy County, New Mexico

Dear Ms. Tidwell:

We are in receipt of your resignation/designation of successor unit operator, wherein Altura Energy Ltd. has resigned as unit operator of the Empire South Deep Unit and designated Rising Star Energy as the successor unit operator.

The Commissioner of Public Lands has this date approved the resignation of Altura Energy Ltd. and the designation of Rising Star Energy as the successor unit operator of this unit.

This change in operators is effective January 1, 1999. In accordance with this approval, Rising Star Energy is now responsible for all operations and the reporting of all production from the unit.

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

Very truly yours,

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

A handwritten signature in cursive script, appearing to read "Jami Bailey".

JAMI BAILEY, Director
Oil, Gas and Minerals Division
(505) 827-5744
RP/JB/cpm
xc: Reader File

Altura Energy Ltd.

OCD--Roy Johnson

TRD

BLM

"WE WORK FOR EDUCATION"



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

January 20, 1983

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

Amoco Production Company
501 Westlake Park Blvd.
P. O. Box 3092
Houston, Texas 77253

ATTENTION: D. M. Basinger

RE: Empire South Deep Unit
1983 Plan of Development
Empire South Deep Unit Well
No. 19, Non-commercial Wolf-
camp Producer

Dear Mr. Basinger:

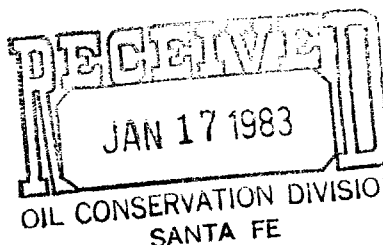
The above referenced submittals have been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the United States Minerals Management Service.

Sincerely,

Roy E. Johnson
Petroleum Geologist

REJ/dp

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



Amoco Production Company (USA)

Houston Region—West
501 WestLake Park Boulevard
Post Office Box 3092
Houston, Texas 77253
West Texas—Eastern
New Mexico Division

D. M. Basinger
Division Operations
Superintendent

Case # 4578

January 10, 1983

File: RLC-5561-WF

Re: **Empire South Deep Unit No. 19**
Empire, South (Wolfcamp) Field
Eddy County, New Mexico
Contract No. 85,151

Mr. James W. Sutherland
Minerals Manager
United States Department of the Interior
Mineral Management Service
505 Marquette Avenue, North, Suite 815
Albuquerque, NM 87102

Mr. Joe D. Ramey, Director
The State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

Gentlemen:

Amoco Production Company (USA), as operator of the subject unit, respectfully requests that the Empire South Deep Unit Well No. 19 be declared a non-commercial Wolfcamp producer. This would exclude the land on which said well is located (i.e., SE/4 NE/4 of Section 36, T-17-S, R-28-E) from inclusion in the Wolfcamp participating area.

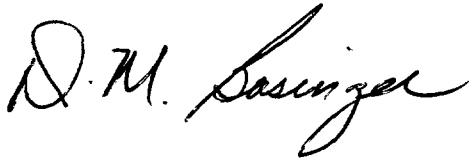
This well was drilled to a total depth of 11,200' to test the Pennsylvanian Morrow horizon. It was completed as a marginal gas well (i.e., IP = 529 MCFD @ 100 psi FTP) in the objective horizon on 10-3-78. A fracture stimulation of the Morrow failed to increase productivity sufficiently to make it economically feasible to obtain a gas sales connection. Therefore, this zone was abandoned. A subsequent recompletion attempt in the Cisco also failed to establish production.

File: RLC-5561-WF
January 10, 1983
Page 2

The recompletion to the Wolfcamp zone 7730-40' was completed on 4-15-82. During the 24 hour initial potential test, the well produced 38 BOPD x 118 BWPD x 41 MCFD. However, production has declined rapidly and the well is currently approaching its economic limit. During the month of November, 1982, this well produced 62 BO x 2700 BW.

Under the terms of the Unit Agreement, only wells "capable of producing unitized substances in paying quantities" can be included in the participating area. The Agreement defines "pay quantities" as "quantities sufficient to repay the costs of drilling, completion and producing operations, with a reasonable profit". It is obvious the subject well does not meet that requirement and thereby does not warrant an enlargement of the present Wolfcamp participating area for its inclusion. Upon receipt of your approval as requested herein, revenues from this well will be dispersed in accordance with Section 11, Page 15 of the Unit Agreement.

Very truly yours,

A handwritten signature in cursive script, reading "D. M. Sasinger". The signature is written in dark ink and is positioned below the "Very truly yours," text.

LWS/zb
1133-V

cc: S. J. Okerson - Hobbs, NM
All WI Owners



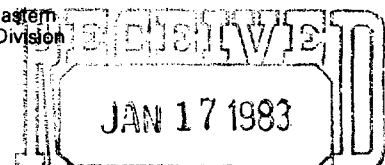
D. M. Basinger
Division Operations
Superintendent

January 13, 1983

Amoco Production Company (USA)

Houston Region-West
501 WestLake Park Boulevard
Post Office Box 3092
Houston, Texas 77253

West Texas-Eastern
New Mexico Division



OIL CONSERVATION DIVISION
SANTA FE

File: RWG(13)-416-0264

Re: 1983 Plan of Development
Empire South Deep Unit
Eddy County, New Mexico

Area Oil and Gas Supervisor
United States Department of the Interior
Geological Survey
Post Office Drawer 1857
Roswell, NM 88201

Commissioner of Public Lands
State of New Mexico
Post Office Drawer 1148
Santa Fe, NM 87501

New Mexico Oil Conservation Commission
Post Office Box 2088
Santa Fe, NM 87501

Gentlemen:

Amoco Production Company, as operator of the Empire South Deep Unit, Eddy County, New Mexico, No. 14-08-0001-11591, respectfully requests that a 1983 Plan of Development be approved calling for no development drilling for the year.

Additional development of the Empire South Deep Unit is being evaluated. All locations with potential will be prudently developed.

We respectfully ask your approval of the foregoing plan.

Yours very truly,

GAW/yaj
736/P3

Attachments

1982 Production (through 10/1/82)

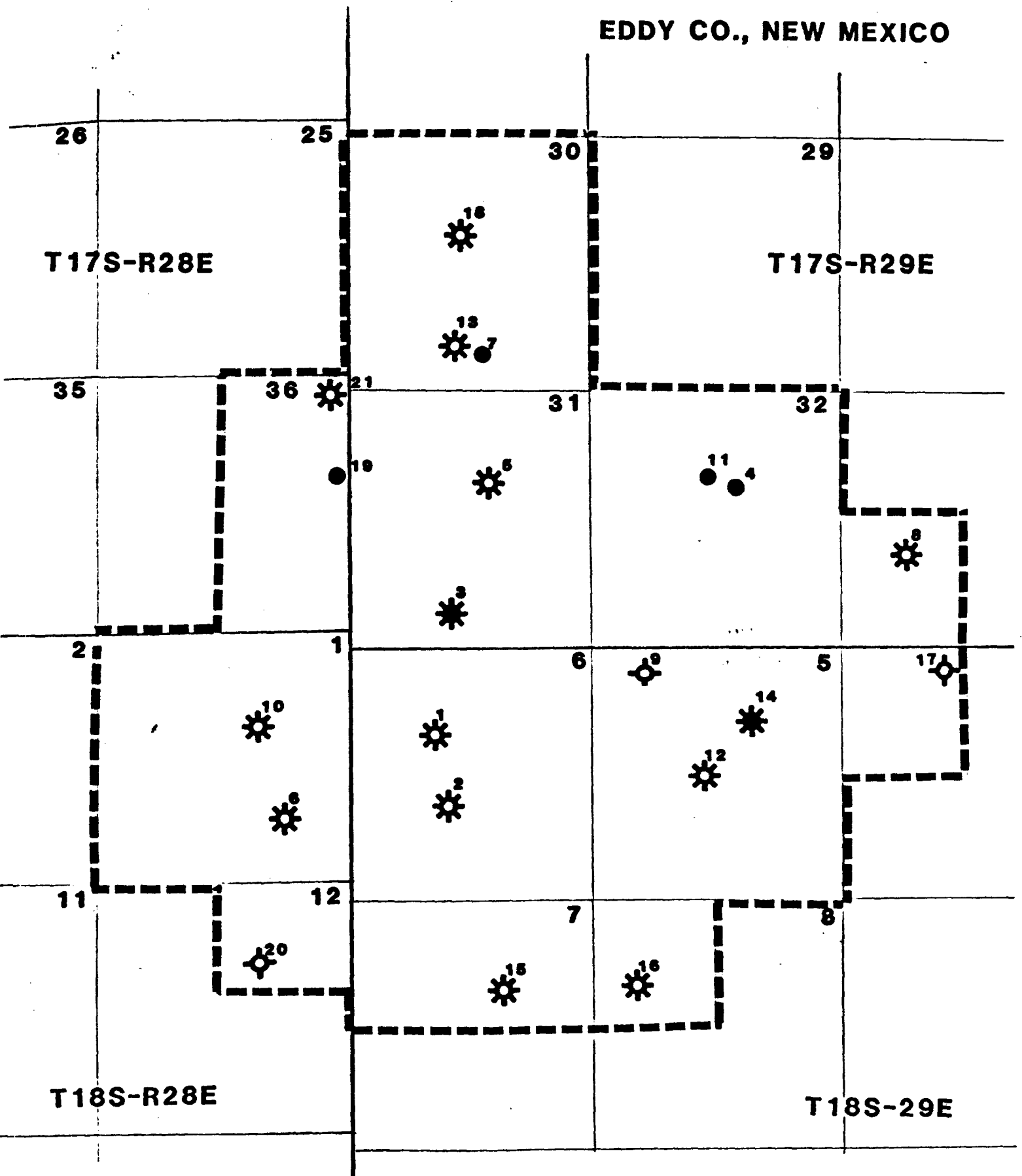
<u>Well No.</u>	<u>Field</u>	<u>MCF</u>	<u>BO</u>
1	South Empire Morrow	174,688	347
2	South Empire Morrow	16,147	304
3	South Empire Morrow	20,908	22
4	South Empire Wolfcamp	58,736	6,868
5	South Empire Morrow	83,381	353
6	South Empire Morrow	185,125	2,877
7	South Empire Wolfcamp	0	0
8	Grayburg Strawn	18,701	759
10	South Empire Morrow	0	0
11	South Empire Wolfcamp	38,321	2,064
12	South Empire Morrow	124,531	1,275
13	South Empire Morrow	247,698	4,470
14	South Empire Wolfcamp	0	0
15	South Empire Morrow	59,241	237
16	South Empire Morrow	555,497	2,631
18	South Empire Morrow	260	0
19	South Empire Wolfcamp	285	875
21	South Empire Morrow	613,383	3,388

Attachment II

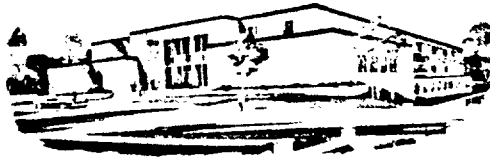
<u>Operator</u>	<u>Well No.</u>	<u>Location (Sec.-Twn-Rge)</u>	<u>Depth</u>	<u>Producing Horizon</u>
Amoco	1	6-18-29	12,000'	Morrow
Amoco	2	6-18-29	10,992	Morrow
Amoco	3	31-17-29	10,925	Morrow
Amoco	4	32-17-29	10,950	Wolfcamp
Amoco	5	31-17-29	10,968	Morrow
Amoco	6	1-18-29	11,065	Morrow
Amoco	7	30-17-29	10,982	Not Producing
Amoco	8	33-17-29	11,180	Strawn
Amoco	9	5-18-29	11,194	D & A
Amoco	10	1-18-28	11,140	Not Producing
Amoco	11	32-17-29	8,800	Wolfcamp
Amoco	12	5-18-29	11,165	Morrow
Harvey E. Yates	13	30-17-29	11,010	Morrow
Amoco	14	5-18-29	11,180	Not Producing
Amoco	15	8-18-29	10,997	Morrow
Amoco	16	7-18-29	11,085	Morrow
Amoco	17	4-18-29	11,060	D & A
Harvey E. Yates	18	30-17-29	11,010	Morrow
Amoco	19	36-17-28	11,280	Wolfcamp
Amoco	20	12-18-28	11,176	D & A
Amoco	21	36-17-28	11,119	Morrow

EMPIRE SOUTH DEEP UNIT

EDDY CO., NEW MEXICO



State of New Mexico



Commissioner of Public Lands

June 2, 1982

ALEX J. ARMIJO
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO 8750X
87504-1148

Amoco Production Company (USA)
P. O. Box 3092
Houston, Texas 77001

Re: Amendment to 1982 Plan of Development
Empire South Deep Unit
Eddy County, New Mexico

ATTENTION: Mr. D. M. Basinger

Gentlemen:

The Commissioner of Public Lands has this date approved your amended 1982 Plan of Development for the Empire South Deep Unit, Eddy County, New Mexico. Such amended plan calls for the cancellation of drilling operations on the Well No. 22 as proposed on your Plan of Development dated February 15, 1982 for the year 1982. Our approval is subject to like approval by the United States Minerals Management Service and the New Mexico Oil Conservation Division.

Enclosed is one approved copy for your files.

Please remit a Three (\$3.00) Dollar filing fee.

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



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

June 4, 1982

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

4578

Amoco Production Company
P. O. Box 3092
Houston, Texas 77001

Attention: D. M. Basinger

Re: 1982 Amended Plan of Development
for the Empire South Deep Unit,
Eddy County, New Mexico

Dear Mr. Basinger:

The New Mexico Oil Conservation Division has
this date approved your Amended 1982 Plan of Development
for the Empire South Deep Unit, Eddy County, New Mexico.

This approval is subject to like approval by
the Minerals Management Service and the Commissioner
of Public Lands for the State of New Mexico.

Sincerely,

W. PERRY PEARCE
General Counsel

WPP/dr



D. M. Basinger
Division Operations
Superintendent

MAY 10 1982
OIL CONSERVATION

Amoco Production Company (USA)

Houston Region-West
500 Jefferson Building
Post Office Box 3092
Houston, Texas 77001

West Texas-Eastern
New Mexico Division

May 5, 1982

File: RWG(2)-2188-416

Re: Amendment to 1982 Plan of Development
Empire South Deep Unit
Eddy County, New Mexico

457 ✓

Area Oil and Gas Supervisor
United States Department of the Interior
Geological Survey
Post Office Drawer 1857
Roswell, NM 88201

Commissioner of Public Lands
State of New Mexico
Post Office Drawer 1148
Sante Fe, NM 87501

New Mexico Oil Conservation Commission
Post Office Box 2088
Sante Fe, NM 87501

Gentlemen:

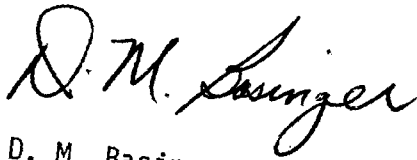
Amoco Production Company, as operator of the Empire South Deep Unit, Eddy County, New Mexico, No. 14-08-0001-11591, respectfully requests approval of an amendment to the 1982 Plan of Development. Our plan of development as requested by letter of February 15, 1982, File: RLC-4259-416 was approved for drilling one additional Morrow well.

The proposed Morrow test, Empire South Deep Unit Well No. 22, has been cancelled and will not be drilled as it is not now economically feasible. No additional drilling is scheduled for the Unit during 1982.

Amendment to 1982 Plan of Development
May 5, 1982
Page 2

Your favorable consideration and approval of the foregoing will be appreciated.

Yours very truly,

A handwritten signature in cursive script, appearing to read "D. M. Basinger". The signature is fluid and somewhat stylized, with the first letters of the first and last names being capitalized and prominent.

D. M. Basinger

SJD/dc
2/901



United States Department of the Interior

OFFICE OF THE SECRETARY

**Minerals Management Service
South Central Region**

505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102

RECEIVED
MAY 21 1982
OIL CONSERVATION DIVISION
SANTA FE

Amoco Production Company
Attention: D. M. Basinger
P. O. Box 3092
Houston, Texas 77001

4578

Gentlemen:

An approved copy of your amended 1982 plan of development for the Empire South Deep unit area, Eddy County, New Mexico, is enclosed. Such plan, proposing not to drill the Empire South Deep Unit Well No. 22, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(SIGNED)

Gene F. Daniel
Deputy Minerals Manager
Oil and Gas

Enclosure

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



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

LARRY KEHOE
SECRETARY

April 19, 1982

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

Amoco Production Company USA
P. O. Box 3092
Houston, Texas 77001

Attention: Mr. D. M. Basinger

Re: 1982 Plan of Operation for
Empire South Deep Unit,
Eddy County, New Mexico

Dear Mr. Basinger:

Enclosed please find an approved copy of your 1982 Plan of Operation for the Empire South Deep Unit. This approval is subject to like approval from the Minerals Management Service and the Commissioner of Public Lands for the State of New Mexico.

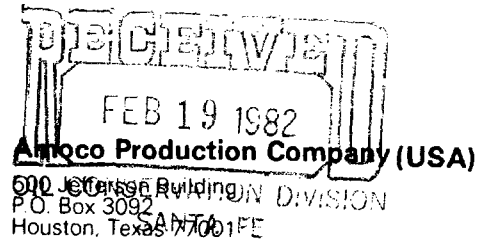
Sincerely,

W. PERRY PEARCE
General Counsel

WPP/dr
enc.

cc: Minerals Management Service - Albuquerque
Commissioner of Public Lands

4578



February 15, 1982

File: RLC-4259-416

Re: 1982 Plan of Development
Empire South Deep Unit
Eddy County, New Mexico

4578

Area Oil and Gas Supervisor
United States Department of the Interior
Geological Survey
Post Office Drawer 1857
Roswell, NM 88201

Commissioner of Public Lands
State of New Mexico
Post Office Drawer 1148
Santa Fe, NM 87501

New Mexico Oil Conservation Commission
Post Office Box 2088
Santa Fe, NM 87501

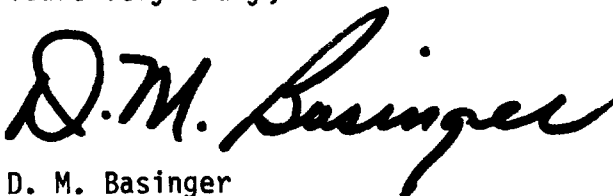
Gentlemen:

Amoco Production Company, as operator of the Empire South Deep Unit Eddy County, New Mexico, No. 14-08-0001-11591, respectfully requests that a 1982 Plan of Development be approved calling for one additional Morrow test well.

During 1981, Amoco drilled and completed Well No. 21 (see attachment). This well was potentialized at 4000 MCFD and has produced a cumulative total of 2.1 BCF as of December, 1981. The proposed Morrow test, Well No. 22, will be located in Section 31, T-17-S, R-29-E, Tract C. Current plans are to spud the well in February.

Your favorable consideration of the foregoing will be appreciated.

Yours very truly,


D. M. Basinger

Attachment

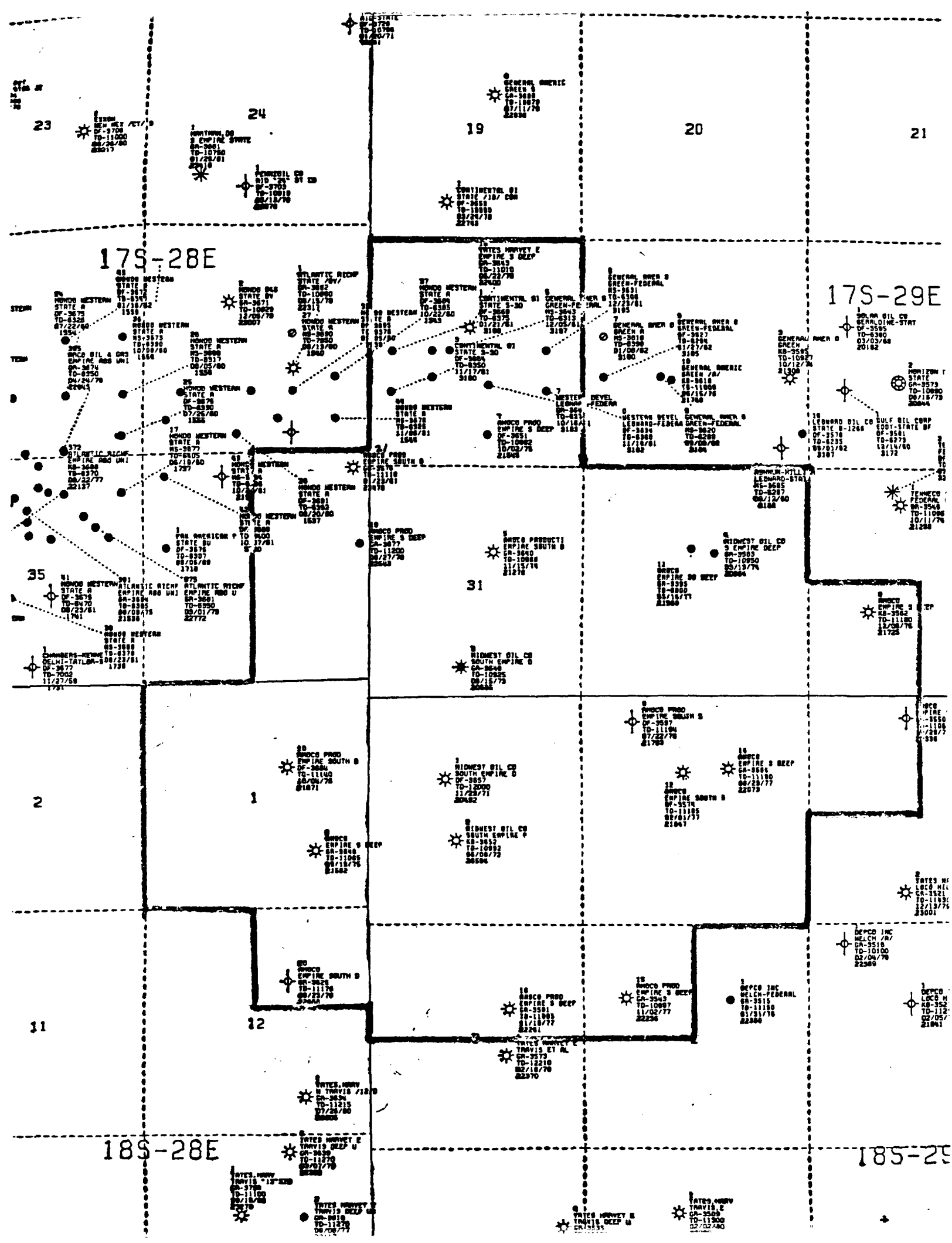
SD/sg
804/0

Attachment I

<u>Operator</u>	<u>Well No.</u>	<u>Location (Sec.-Twn-Rge)</u>	<u>Depth</u>	<u>Producing Horizon</u>
Amoco	1	6-18-29	12,000'	Morrow
Amoco	2	6-18-29	10,992	Morrow
Amoco	3	31-17-29	10,925	Morrow
Amoco	4	32-17-29	10,950	Wolfcamp
Amoco	5	31-17-29	10,968	Morrow
Amoco	6	1-18-29	11,065	Morrow
Amoco	7	30-17-29	10,982	Wolfcamp
Amoco	8	33-17-29	11,180	Strawn
Amoco	9	5-18-29	11,194	D & A
Amoco	10	1-18-28	11,140	Morrow
Amoco	11	32-17-29	8,800	Wolfcamp
Amoco	12	5-18-29	11,165	Morrow
Harvey E. Yates	13	30-17-29	11,010	Morrow
Amoco	14	5-18-29	11,180	Not Producing
Amoco	15	8-18-29	10,997	Morrow
Amoco	16	7-18-29	11,085	Morrow
Amoco	17	4-18-29	11,060	D & A
Harvey E. Yates	18	30-17-29	11,010	Morrow
Amoco	19	36-17-28	11,280	Not Producing
Amoco	20	12-18-28	11,176	D & A
Amoco	21	36-17-28	11,119	Morrow

1981 Production (through 10/81)

<u>Well No.</u>	<u>Field</u>	<u>MCF</u>	<u>B0</u>
1	South Empire Morrow	455,540	1,891
2	South Empire Morrow	36,454	384
3	South Empire Morrow	53,650	0
4	South Empire Wolfcamp	41,371	6,880
5	South Empire Morrow	180,744	1,528
6	South Empire Morrow	210,249	2,756
7	South Empire Wolfcamp	0	0
8	Grayburg Strawn	18,017	756
10	South Empire Morrow	0	0
11	South Empire Wolfcamp	44,357	2,843
12	South Empire Morrow	125,133	1,272
13	South Empire Morrow	386,053	0
14	South Empire Morrow	1,594	1
15	South Empire Morrow	118,925	652
16	South Empire Morrow	981,900	4,894
18	South Empire Morrow	1,544	0
21	South Empire Morrow	2,034,381	18,404

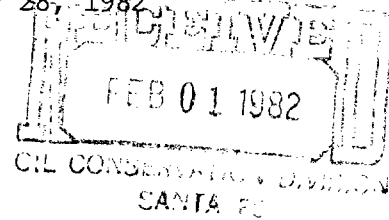




Husky Oil Company

600 South Cherry Street
Denver, Colorado 80222
(303) 370-1300

January 28, 1982



D. M. Basinger
Division Operations Manager
Amoco Production Company
P.O. Box 3092
Houston, Texas 77001

RE: AFE: Drill and Complete
Empire South Deep Unit
Well #22
990' FNL & 1650' FWL
Sec. 31-T17S-R29E
Eddy County, New Mexico

4518

Gentlemen:

Reference is made to previous correspondence regarding the drilling of subject well, ending with your letter of January 19, 1982, File: MCL (2)-1058-W.F.

Please find attached one copy of subject AFE approved on behalf of Husky Oil Company, though we have approved your AFE, it is still our belief that subject well does not conform to Morrow development spacing pattern.

In connection with the drilling of your proposed Well #22, we have not received a 1982 Plan of Development indicating that you obtained approval by the U.S.G.S., the New Mexico Oil & Gas Commission, and the New Mexico Commissioner of Public Lands. It would seem that this material should be furnished to all Empire South Deep Unit working interest owners, prior to your drilling Well #22.

We would ask that you furnish this office, Attention the undersigned, with a mailed copy of your daily drilling reports, one copy of all State and/or Federal notices, and DST reports and charts, any oil, water, and gas analyses, and one copy of all logs run, including the mud logging log. We would appreciate receiving this log on a daily basis. Also, please advise of any anticipated coring, logging, drill stem testing, running casing, or plug and abandonment.

TO: D. M. Basinger-Amoco Production Company

FROM: J. L. Corkill-Husky Oil Company

SUBJECT: Drill and complete
Empire South Deep Unit Well #22
January 28, 1982
Page -2-

If the well is completed as a producer, please place this office on the distribution list for a copy of any required monthly state production reports.

Invoices for the drilling and completing of the well, as well as operating cost invoices, should be sent to our Box 380, Cody, Wyoming 82414 office, Attention Production Accounting.

Thank you.

Yours very truly,



J. L. Corkill
Manager, Joint Interest Production

JLC:dh

Attach: (1)

cc: G. Scrivner
C. Smith
C. Rystrom
Mr. Jerry Long
United States Department of the Interior
P.O. Drawer 1857
Roswell, New Mexico 88201

Mr. Alex J. Armijo
Commissioner of Public Lands
Box 1148, State Land Office
Santa Fe, New Mexico 87501

Mr. Joe D. Ramey, Director
New Mexico Oil Conservation Division
Box 2088
Santa Fe, New Mexico 87501

all working interest owners

Yates Petroleum Corporation
207 South Fourth Street
Artesia, New Mexico 88210
Attn: Randy Patterson

Tenneco Oil, Inc.
P.O. Box 2511
Houston, Texas 77001
Attn: Land Department

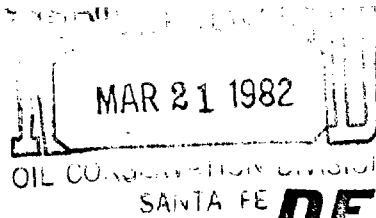
General American Oil Company of Texas
Meadows Building
Dallas, Texas 75206
Attn: Harold Cody

Continental Oil Company
P.O. Box 1959
Midland, Texas 79702
Attn: Land Department

Harvey E. Yates Company
Security National Bank Building
P.O. Box 1933
Roswell, New Mexico 88201

DEPCO, Inc.
1000 Petroleum Building
Denver, Colorado 80202
Attn: G. F. Reiger

Hondo Oil and Gas Company
P.O. Box 1610
Midland, Texas 79702
Attn: Allan G. Harvey, Land Department



DEPCO, Inc.

PRODUCTION & EXPLORATION

March 19, 1982

Amoco Production Company
P.O. Box 68
Hobbs, NM 88240

Attn: S. J. Okerson

Re: Empire South Deep Unit #22
Eddy County, New Mexico

Gentlemen:

This will refer to your letter of March 3, 1982 (copy attached) regarding the subject well.

As you are aware, DEPCO did not wish to drill the ESDU #22, as we objected to having an additional pool well drilled in a unit area already having a well producing from the pool. Amoco, however, stipulated that such objection was not applicable, and that DEPCO must elect to either non-consent or join the drilling of the well. DEPCO reluctantly signed the AFE and restated our objection to your Houston office.

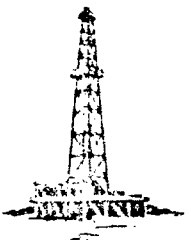
In response to your March 3, 1982 letter, the simultaneous dedication of acreage has always been objected to by DEPCO in this case, and DEPCO does not approve of it now. The unorthodox location and nonstandard proration unit have no direct bearing on DEPCO's position and we have no objection to them.

Sincerely,

G. F. Reiger
Manager - Outside Operations

GFR/dg

Enc.



RECEIVED

MAR - 9 1982



Amoco 393-1781

Amoco Production Company (USA)

Post Office Box 68
Hobbs, New Mexico 88240

MAR 21 1982
OIL CONSERVATION DIVISION
SANTA FE

S. J. Okerson
District Superintendent

March 3, 1982

File: SJ0-986.51-338

Re: Waivers Consent for Unorthodox Location,
Nonstandard Proration Unit, and
Simultaneous Dedication
Empire South Deep Unit #22
Eddy County, New Mexico

Depco
1025 Petroleum Club Bldg.
Denver, CO 80202

Gentlemen:

Amoco requests your approval, as an offset operator, for unorthodox location, nonstandard proration unit, and simultaneous dedication for our Empire South Deep Unit #22. The well is located 888 FNL x 1980 FWL, Section 31, T-17-S, R-29-E, Eddy County, New Mexico.

The unorthodox location is resultant from the well site being 289.89 feet from the quarter-quarter section line. The half section in question is less than 320 acres (297.49) resulting in the less than 330 foot distance between proposed well site and quarter-quarter section line.

The necessity of the nonstandard proration unit arises, as mentioned above, from the fact that the north half of the section consists of only 297.49 acres. This nonstandard proration unit was approved by Administrative order NSP-983, December 23, 1974, for our Empire South Deep Unit #5.

The simultaneous dedication is necessary since the subject well shares acreage with our Empire South Deep Unit #5, located 1980' FNL, 2180 FEL, Section 31, T-17-S, R-29-E.

March 3, 1982
File: SJO-986.51-338
Page 2

MAR 21 1982

We request that you approve and return signed copy of this letter to our office and to the NMOCD in Santa Fe. Self-addressed, stamped envelopes are enclosed.

Yours very truly,

S. J. Churney

Enclosures

cc: USGS-Roswell
NMOCD-Artesia

Ray Cox

Adm. Sup.



United States Department of the Interior

OFFICE OF THE SECRETARY

Minerals Management Service
South Central Region
P. O. Box 26124
Albuquerque, New Mexico 87125

MAR 10 1982
OIL CONSERVATION DIVISION
SANTA FE

MAR 9 1982

Amoco Production Company (USA)
Attention: D. M. Basinger
P. O. Box 3092
Houston, Texas 77001

4578

Gentlemen:

One approved copy of your 1982 plan of development for the Empire South Deep unit area, No. 14-08-0001-11591, Eddy County, New Mexico, is enclosed. Such plan, proposing the drilling of a well to test the Morrow formation, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

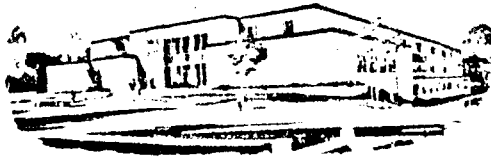
(ORIG. SGD.) JOE G. LARA

FOR Gene F. Daniel
Deputy Minerals Manager
Oil and Gas

Enclosure

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

State of New Mexico



Commissioner of Public Lands

February 22, 1982

ALEX J. ARMIJO
COMMISSIONER

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

Amoco Production Company (USA)
P. O. Box 3092
Houston, Texas 77001

Re: Empire South Deep Unit
1982 Plan of Development
Eddy County, New Mexico

4518

ATTENTION: Mr. D. M. Sasinger

Gentlemen:

The Commissioner of Public Lands has this date approved your 1982 Plan of Development for the Empire South Deep Unit, Eddy County, New Mexico. Such Plan calls for the drilling of one additional Morrow test well, being the unit well No. 22. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Minerals Management Service.

Enclosed is one approved copy for your files.

Please remit a Three (\$3.00) Dollar filing Fee.

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/pm
encls.
cc:

OCD-Santa Fe, New Mexico
MMS-Albuquerque, New Mexico



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

October 19, 1981

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

Amoco Production Company
500 Jefferson Building
P. O. Box 3092
Houston, Texas 77001

4578

Attention: E. D. Newman

Re: Empire South Deep Unit
Eddy County, New Mexico
Plan of Development and
Operation

Dear Sir:

The New Mexico Oil Conservation Division hereby approves your plan of development and operation for the Empire South Deep Unit submitted to us by letter dated August 19, 1981. Such approval is contingent upon like approval being given by the United States Geological Survey and the New Mexico Commissioner of Public Lands.

Sincerely,

W. PERRY PEARCE
General Counsel

WPP/dr

cc: U. S. Geological Survey
Commissioner of Public Lands

State of New Mexico



Commissioner of Public Lands

October 13, 1981

ALEX J. ARMIJO
COMMISSIONER

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

Amoco Production Co.
P. O. Box 3092
Houston, Texas 77001

Re: 1981 Plan of Development
Empire South Deep Unit
Eddy County, New Mexico

4578

ATTENTION: Mr. E. D. Newman

Gentlemen:

The Commissioner of Public Lands has this date approved your 1981 Plan of Development for the Empire South Deep Unit, Eddy County, New Mexico. Such plan calls for no additional development drilling for the remainder of the year.

Enclosed is one approved copy for your files.

Please remit a Three (\$3.00) Dollar filing fee at your earliest convenience.

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
encl.
cc:

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

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

4578

SEP 9 1981

Amoco Production Company
Attention: E. D. Newman
P. O. Box 3092
Houston, Texas 77001

Gentlemen:

An approved copy of your 1981 plan of development for the Empire South Deep unit area, Eddy County, New Mexico is enclosed. Such plan, proposing no additional development drilling for the remainder of the year, well No. 21 was completed in the Morrow Formation on February 25, 1981, 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

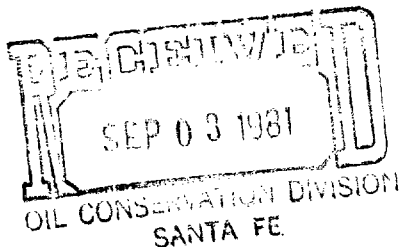
FOR Gene F. Daniel
Deputy Conservation Manager
Oil and Gas

Enclosure

cc:

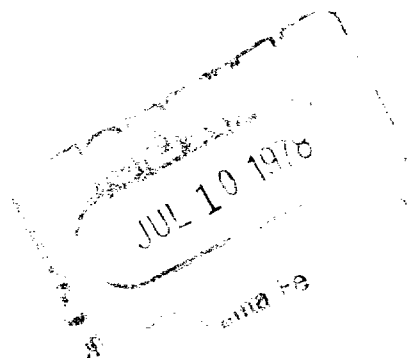
NMOCD

Comm. of Public Lands
DS, Roswell





July 5, 1978



Amoco Production Company

500 Jefferson Building
P.O. Box 3092
Houston, Texas 77001

File: CGF(15)-2606-416-LF

Re: Empire South Deep Unit
Development & Operation
Eddy County, New Mexico

No. 4578

Mr. James A. Gilliam
Acting Assistant Oil & Gas Supvr.
United States Dept. of Interior
Geological Survey
P. O. Drawer 1857
Roswell, NM 88201

Mr. Phil R. Lucero
Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, NM 87501

Mr. Joe D. Ramey
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, NM 87501

Gentlemen:

Please reference our June 23 letter, file: CGF(10)-964-2896XLF, regarding the amendment of the Fifth Expansion of the Morrow Participating Area to include an additional 80 acres (T-18S, R29E, Sec 5: E/2 SE/4). As requested by Mr. Jim Gilliam, in our June 26 telephone conversation, we are furnishing three revised copies of Attachments 1, 2, 3, and 4 as well as three updated copies of Exhibit "A". These revisions indicate the 80 acre addition to the Fifth Expansion and the corresponding changes to the Sixth Expansion.

Yours very truly,

E. D. Newman
Production Coordination Superintendent

JDP/mkk

cc: Mr. V. E. Staley
Levelland, TX

PROPOSED FIFTH MORROW PARTICIPATING AREA EXPANSION
EMPIRE SOUTH DEEP UNIT
EDDY COUNTY, NEW MEXICO

EFFECTIVE 1-1-77

<u>Unit Tract No.</u>	<u>Acreage Description</u>	<u>Lease No.</u>	<u>Participating Acres</u>
10	T-18S, R-29E, Sec. 8: NW/4 NW/4.	LC-058603	40.0
12	T-18S, R-29E, Sec. 8: E/2 NW/4, SW/4 NW/4.	LC-061702	120.0
42	T-18S, R-29E, Sec. 5: NE/4 SW/4, SW/4 SE/4, W/2 SE/4 SE/4.	Fee-HBP	100.0
42A	T-18S, R-29E, Sec. 5: E/2 SE/4 SE/4.	Fee-HBP	20.0
43	T-18S, R-29E, Sec. 5: NW/4 SW/4, SE/4 SW/4.	Fee-HBP	80.0
44	T-18S, R-29E, Sec. 5: N/2 SE/4, SW/4 SW/4.	Fee-HBP	<u>120.0</u>
TOTAL			480.00

ATTACHMENT NO. 1

ALLOCATION SCHEDULE
INITIAL PLUS FIRST, SECOND, THIRD, AND FIFTH REVISIONS OF MORROW PARTICIPATING AREA
EMPIRE SOUTH DEEP UNIT

EFFECTIVE 1-1-77

Tract No.	Description	Lease No.	Participating Acres	% of Participating Area	Working Interest Owners %	
Tr. 2	T-18S, R-29E, Sec. 7: Lot 1 (NW/4 NW/4, 30.22 ac) NE/4 NW/4, Lot 2 (SW/4 NW/4, 30.37 ac) SE/4 NW/4.	LC-028772(a)	140.59	4.1791887	Amoco Production Company	32.821910
					Harvey E. Yates Company	14.218750
					Continental Oil Company	7.895140
					Depco, Inc.	6.314060
Tr. 2-A	T-18S, R-28E, Sec. 12: NE/4.	NM-23413	160.00	4.7561719	Husky Oil Company of Delaware	6.314060
					General American Oil Company of Texas	
Tr. 3	T-18S, R-29E, Sec. 7: N/2 NE/4.	LC-028772(c)	80.00	2.3780859	Tenneco Oil Company	6.105035
					Shinnery Investment Company	3.569535
Tr. 4	T-18S, R-29E, Sec. 7: S/2 NE/4.	LC-028772(d)	80.00	2.3780859	Hondo Oil & Gas Company	3.281250
					Cities Service Oil Company	2.720435
Tr. 6	T-18S, R-29E, Sec. 6: Lots 3 & 4, NE/4 SW/4.	NM-23414	99.93	2.9705266	Yates Petroleum Company	2.012940
					Harold Kersey	1.964760
Tr. 6-A	T-18S, R-29E, Sec. 6: SE/4.	LC-058126	160.00	4.7561719	Rassett-Birney Oil Corporation	1.744540
					Bright, Shiff and Kennedy	1.610350
Tr. 6-B	T-18S, R-29E, Sec. 6: SE/4 SW/4.	LC-058126	40.00	1.1890430	Me-Tex Supply Company	1.207760
					J. Cleo Thompson, Sr.	1.207760
Tr. 9	T-18S, R-29E, Sec. 6: E/2 NE/4.	LC-058582	80.00	2.3780859	James Cleo Thompson, Jr.	1.073460
					Charlene K. Seay	1.073460
Tr. 10	T-18S, R-29E, Sec. 8: NW/4 NW/4.	LC-058603	40.00	1.1890430	I & L Development Company	.603880
					Sam Lett	.536890
Tr. 12	T-18S, R-29E, Sec. 8: E/2 NW/4, SW/4 NW/4.	LC-061702	120.00	3.5671289	M. W. Smith	.536890
					Kathleen Miller	.402585
					Atlantic Richfield Company	.402585
Tr. 13-A	T-17S, R-29E, Sec. 30: S/2 SE/4 Sec. 31: Lot 4 (SW/4 SW/4, 29.32 ac).	LC-062407	109.32	3.2496544	O. H. Randell Estate	.402585
					Greta M. Edgington	.402585
					Donald Brown	.201295
					Earl A. Latimer, Jr.	.150970
Tr. 14	T-18S, R-29E, Sec. 6: NW/4 NE/4.	LC-065374-A	40.00	1.1890430	Featherstone Farms, Ltd.	.150965

Tract No.	Description	Lease No.	Participating Acres	% of Participating Area	Working Interest Owners %
Tr. 15	T-18S, R-29E, Sec. 6: SW/4 NE/4.	NM-9026 (KGS)	40.00	1.1890430	Robert E. Boling .100650 C. F. Qualia .100645
Tr. 17	T-17S, R-29E, Sec. 31: Lot 1 (NW/4 NW/4, 28.63 acres) NE/4 NW/4, N/2 NE/4, T-17S, R-29E Sec. 31: Lot 2 (SW/4 NW/4 28.86 acres) SE/4 NW/4, NE/4 SW/4, S/2 NE/4, N/2 SE/4.	NM-05555569	417.49	12.4103387	Mark D. Wilson .100645 A. J. Losee .100645 Roland McLean .050325 Charles W. Hicks .050325 Trust for Olen F. Featherstone II .050325 Margaret Holcomb .033550 Thelma Methvin .033550 H. B. McGrady .025160 Charles C. Harlan, Jr. .025160
Tr. 17-A	T-17S, R-29E, Sec. 31: Lot 3 (NW/4 SW/4, 29.09 acres).	NM-05555569	29.09	0.8647315	TOTAL 100.000000
Tr. 18	T-18S, R-29E, Sec. 6: Lots 1, 2 (W/2 NW/4).	NM-0558119 (KGS)	59.23	1.7606754	
Tr. 19	T-18S, R-29E, Sec. 6: E/2 NW/4.	NM-0560401 (KGS)	80.00	2.3780859	
Tr. 20	T-17S, R-28E, Sec. 36: SE/4 NE/4, NE/4 SE/4, NE/4 NE/4, W/2 NE/4, NW/4 SE/4.	647-368	240.00	7.1342578	
Tr. 21	T-18S, R-28E, Sec. 1: NE/4 SE/4, NW/4 NW/4, SW/4 SW/4, NW/4 SE/4.	2029-6	160.00	4.7561719	
Tr. 24	T-17S, R-29E, Sec. 31: SE/4 SW/4.	B-4458-33	40.00	1.1890430	
Tr. 25	T-17S, R-29E, Sec. 32: NW/4 SW/4.	B-4918-85	40.00	1.1890430	
Tr. 31	T-17S, R-29E, Sec. 30: Lot 4 (SW/4 SW/4, 28.40 acres) SE/4 SW/4.	E-7596-Orig.	68.40	2.0332635	
Tr. 32	T-17S, R-29E, Sec. 32: SW/4 NW/4.	E-7640	40.00	1.1890430	
Tr. 33	T-17S, R-28E, Sec. 36: SE/4 SE/4.	B-11593-8	40.00	1.1890430	

<u>Tract No.</u>	<u>Description</u>	<u>Lease No.</u>	<u>Participating Acres</u>	<u>% of Participating Area</u>
Tr. 34	T-17S, R-29E, Sec. 32: NW/4 NW/4.	E-537-5	40.00	1.1890430
Tr. 35	T-17S, R-28E, Sec. 36: SW/4 SE/4.	E-949-Orig.	40.00	1.1890430
Tr. 36	T-18S, R-28E, Sec. 1: W/2 NE/4, E/2 NW/4, SW/4 NW/4, N/2 SW/4, SE/4 SW/4, SW/4 SE/4.	E-1284-3	360.00	10.7013867
Tr. 37	T-17S, R-29E, Sec. 31: S/2 SE/4.	E-4201-Orig.	80.00	2.3780859
Tr. 38	T-18S, R-28E, Sec. 1: E/2 NE/4.	E-6946	80.00	2.3780859
Tr. 40	T-18S, R-28E, Sec. 1: SE/4 SE/4.	L-1645-1	40.00	1.1890430
Tr. 42	T-18S, R-29E, Sec. 5: NE/4 SW/4, SW/4 SE/4, W/2 SE/4 SE/4.	Fee HBP	100.00	2.9726074
Tr. 42A	T-18S, R-29E, Sec. 5: E/2 SE/4 SE/4.	Fee-HBP	20.00	0.5945215
Tr. 43	T-18S, R-29E, Sec. 5: NW/4 SW/4, SE/4 SW/4.	Fee-HBP	80.00	2.3780859
Tr. 44	T-18S, R-29E, Sec. 5: N/2 SE/4, SW/4 SW/4.	Fee-HBP	<u>120.00</u>	<u>3.5671289</u>
		TOTAL	3364.05	100.0000000

JDP/slv
x/977

PROPOSED SIXTH MORROW PARTICIPATING AREA EXPANSION
EMPIRE SOUTH DEEP UNIT
EDDY COUNTY, NEW MEXICO

EFFECTIVE 4-1-77

<u>Unit Tract No.</u>	<u>Acreage Description</u>	<u>Lease No.</u>	<u>Participating Acres</u>
1	T-17-S, R-29-E, Sec. 30: S/2, NE/4.	LC-028480(a)	80.00
1A	T-17-S, R-29-E, Sec. 30: N/2, NE/4.	NM-29267	80.00
13	T-17-S, R-29-E, Sec. 30: N/2 SE/4.	LC-062407	80.00
37	T-17-S, R-29-E, Sec. 30: E/2 NW/4; Lots 1, 2, 3.	E-4201	163.82
41	T-17-S, R-29-E, Sec. 30: NE/4 SW/4.	OG-181-1	<u>40.00</u>
	TOTAL		443.82

ATTACHMENT NO. 3

INITIAL PLUS FIRST, SECOND, THIRD, FOURTH, FIFTH, AND SIXTH REVISIONS OF MORROW PARTICIPATING AREA
 ALLOCATION SCHEDULE
 EMPIRE SOUTH DEEP UNIT
 EFFECTIVE 4-1-77

Tract No.	Description	Lease No.	Participating Acres	% of Participating Area	Working Interest Owners %
Tr. 1	T-17S, R-29E, Sec. 30: S/2, NE/4.	LC-028480(a)	80.00	2.1009121	Amoco Production Company 32.821910
Tr. 1-A	T-17S, R-29E, Sec. 30: N/2, NE/4.	NM-29267	80.00	2.1009121	Harvey E. Yates Company 14.218750
Tr. 2	T-18S, R-29E, Sec. 7: Lot 1 (NW/4 NW/4, 30.22 ac.) NE/4 NW/4, Lot 2 (SW/4 NW/4, 30.37 ac.) SE/4 NW/4.	LC-028772 (a)	140.59	3.6920903	Continental Oil Company 7.895140 Depco, Inc. 6.314060 Husky Oil Company of Delaware 6.314060 General American Oil Company of Texas 6.105035
Tr. 2-A	T-18S, R-29E, Sec. 12: NE/4.	NM-23413	160.00	4.2018241	Tenneco Oil Company 3.569535 Shinnery Investment Company 3.281250 Hondo Oil & Gas Company 2.720435 Cities Service Oil Company 2.012940 Yates Petroleum Company 1.964760 Harold Kersey 1.744540 Bassett-Birney Oil Corporation 1.610350 Bright, Schiff and Kennedy 1.207760 Me-Tex Supply Company 1.207760 J. Cleo Thompson, Sr. 1.073460 James Cleo Thompson, Jr. 1.073460 Charlene K. Seay .603880 I & L Development Co. .536890 Sam Lett .536890 M. W. Smith .402585 Kathleen Miller .402585 Atlantic Richfield Company .402585 O. H. Randall Estate .402585 Greta M. Edgington .402585 Donald Brown .201295 Earl A. Latimer, Jr. .150970 Featherstone Farms, Ltd. .150965 Robert E. Boling .100650 C. F. Qualia .100645 Mark D. Wilson .100645
Tr. 3	T-18S, R-29E, Sec. 7: N/2 NE/4.	LC-028772(c)	80.00	2.1009121	
Tr. 4	T-18S, R-29E, Sec. 7: S/2 NE/4.	LC-028772(d)	80.00	2.1009121	
Tr. 6	T-18S, R-29E, Sec. 6: Lots 3 & 4, (W/2 SW/4) E/2 SW/4.	NM-23414	99.93	2.6243018	
Tr. 6-B	T-18S, R-29E, Sec. 6: SE/4 SW/4	LC-058126	40.00	1.0504560	
Tr. 6-A	T-18S, R-29E, Sec. 6: SE/4.	LC-058126	160.00	4.2018241	
Tr. 9	T-18S, R-29E, Sec. 6: E/2 NE/4.	LC-058582	80.00	2.1009121	
Tr. 10	T-18S, R-29E, Sec. 8: NW/4 NW/4.	LC-058603	40.00	1.0504560	
Tr. 12	T-18S, R-29E, Sec. 8: E/2 NW/4, SW/4 NW/4.	LC-061702	120.00	3.1513681	
Tr. 13	T-17S, R-29E, Sec. 30: N/2 SE/4.	LC-062407	80.00	2.1009121	
Tr. 13-A	T-17S, R-29E, Sec. 30: S/2 SE/4 Sec. 31: Lot 4 (SW/4 SW/4, 29.32 ac.).	LC-062407	109.32	2.8708963	
Tr. 14	T-18S, R-29E, Sec. 6: NW/4 NE/4.	LC-065374-A	40.00	1.0504560	

Tract No.	Description	Lease No.	Participating Acres	% of Participating Area	Working Interest Owners	%
Tr. 15	T-18S, R-29E, Sec. 6: SW/4 NE/4.	NM-9026 (KGS)	40.00	1.0504560	A. J. Losee	.100645
Tr. 17	T-17S, R-29E, Sec. 31: Lot 1 (NW/4 NW/4, 28.63 acres) NE/4 NW/4, N/2 NE/4, T-17S, R-29E Sec. 31: Lot 2 (SW/4 NW/4 28.86 acres) SE/4 NW/4, NE/4 SW/4, S/2 NE/4, N/2 SE/4.	NM-0555569	417.49	10.9638722	Roland McLean Charles W. Hicks Trust for Olen F. Featherstone III Margaret Holcomb Theima Methvin H. B. McGrady Charles C. Harlan, Jr.	.050325 .050325 .050325 .033550 .033550 .025160 .025160
Tr. 17-A	T-17S, R-29E, Sec. 31: Lot 3 (NW/4 SW/4, 29.09 acres).	NM-0555569	29.09	0.7639441	TOTAL	100.000000
Tr. 18	T-18S, R-29E, Sec. 6: Lots 1,2 (W/2 NW/4).	NM-0558119 (KGS)	59.23	1.5554628		
Tr. 19	T-18S, R-29E, Sec. 6: E/2 NW/4.	NM-0560401 (KGS)	80.00	2.1009121		
Tr. 20	T-17S, R-28E, Sec. 36: SE/4 NE/4 NE/4 SE/4, NE/4 NE/4, W/2 NE/4, NW/4 SE/4.	647-368	240.00	6.3027362		
Tr. 21	T-18S, R-28E, Sec. 1: NE/4 SE/4, NW/4 NW/4, SW/4 SW/4, NW/4 SE/4.	2029-6	160.00	4.2018241		
Tr. 24	T-17S, R-29E, Sec. 31: SE/4 SW/4.	B-4458-33	40.00	1.0504560		
Tr. 25	T-17S, R-29E, Sec. 32: NW/4 SW/4.	B-4918-85	40.00	1.0504560		
Tr. 31	T-17S, R-29E, Sec. 30: Lot 4 (SW/4 SW/4, 28.40 acres) SE/4 SW/4.	E-7596-Orig.	68.40	1.7962798		
Tr. 32	T-17S, R-29E, Sec. 32: SW/4 NW/4.	E-7640	40.00	1.0504560		
Tr. 33	T-17S, R-28E, Sec. 36: SE/4 SE/4.	B-11593-8	40.00	1.0504560		

Tract No.	Description	Lease No.	Participating Acres	% of Participating Area
Tr. 34	T-17S, R-29E, Sec. 32: NW/4 NW/4.	E-537-5	40.00	1.0504560
Tr. 35	T-17S, R-28E, Sec. 36: SW/4 SE/4.	E-949-Orig.	40.00	1.0504560
Tr. 36	T-18S, R-28E, Sec. 1: S/2 NE/4, E/2 NW/4, SW/4 NW/4, N/2 SW/4, SE/4 SW/4, SW/4 SE/4.	E-1284-3	360.00	9.4541042
Tr. 37	T-17S, R-29E, Sec. 30: Lots 1, 2, 3, E/2 NW/4.	E-4201-Orig.	163.82	4.3021427
Tr. 37	T-17S, R-29E, Sec. 31: S/2 SE/4.	E-4201-Orig.	80.00	2.1009121
Tr. 38	T-18S, R-28E, Sec. 1: E/2 NE/4.	E-6946	80.00	2.1009121
Tr. 40	T-18S, R-28E, Sec. 1: SE/4 SE/4.	L-1645-1	40.00	1.0504560
Tr. 41	T-17S, R-29E, Sec. 30: NE/4 SW/4.	OG-181-1	40.00	1.0504560
Tr. 42	T-18S, R-29E, Sec. 5: NE/4 SW/4, SW/4 SE/4, W/2 SE/4 SE/4.	Fee-HBP	100.00	2.6261401
Tr. 42A	T-18S, R-29E, Sec. 5: E/2 SE/4 SE/4	Fee-HBP	20.00	0.5252280
Tr. 43	T-18S, R-29E, Sec. 5: NW/4 SW/4, SE/4 SW/4.	Fee-HBP	80.00	2.1009121
Tr. 44	T-18S, R-29E, Sec. 5: N/2 SE/4, SW/4 SW/4.	Fee-HBP	120.00	3.1513681
		TOTAL	3807.87	100.0000000

JDP/slv
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