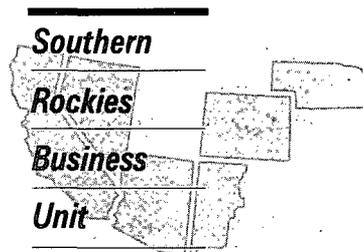




OIL CONSERVATION DIVISION  
RECEIVED

'94 APR 2 AM 8 49

March 29, 1994



Mr. William J. LeMay, Director  
New Mexico Oil Conservation Division  
310 Old Santa Fe Trail  
P.O. Box 2088  
Santa Fe, New Mexico 87504

Application for 240 Acre Non-Standard Unit  
Jicarilla A-2E Well  
S/2 NE/4, and SE/4 Section 18, T26N-R5W  
Tapacito Gallup Pool  
Rio Arriba County, New Mexico

Amoco Production Company hereby requests administrative approval for a 240 acre non-standard unit for the Jicarilla A-2E well in the Tapacito Gallup Pool. The non-standard unit shall consist of the S/2 NE/4, and SE/4 Section 18, T26N-R5W. The non-standard unit is required due to the 80 acre standard oil well unit in the N/2 NE/4 of Section 18 dedicated to the Jicarilla A-2 well. The Jicarilla A-2E well is a currently existing well which had been producing from a legal location in the Basin Dakota Pool. The well is located 1120' FSL and 1520' FEL of Section 18, T26N-R5W. Amoco has pending an application for unorthodox location in the Tapacito Gallup pool for the Jicarilla A-2E well.

Amoco is planning to downhole commingle production from the Basin Dakota and Tapacito Gallup pools and has pending a separate application for the downhole commingling approval. This well is situated on the Jicarilla A lease covering all of Sections 17, 18, 19, and 20. Meridian Oil, Inc. is the only offset operator affected by this application and they will receive a copy of this application sent by certified mail.

If there are any questions concerning this matter, please contact me at (303) 830-5072.

Sincerely,

J. W. Hawkins

cc:

A. W. Branam - Amoco  
L. J. Kwartin - Amoco

Meridian Oil, Inc.  
P.O. Box 4289  
Farmington, NM 87499

Frank Chavez, Supervisor  
Amoco District III  
1000 Rio Brazas Road  
Aztec, NM 87410

Robert Kent  
Bureau of Land Management  
435 Montano NE  
Albuquerque, NM 87107

Well Location and Acreage Dedication Plat

May 28, 1965  
October 19, 1964

Section A.

Operator TENNECO OIL COMPANY Lease Jicarilla (Cont. 110)  
Well No. A-2 Unit Letter B Section 18 Township 26 North Range 5 West NMPM  
Located 790' Feet From North Line, 1850 Feet From East Line  
County Rio Arriba G. L. Elevation 6678 ungraded Dedicated Acreage 80 Acres  
Name of Producing Formation Blanco-Tocito-Basin Dakota Pool Tocito only

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?  
Yes \_\_\_\_\_ No X
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes X No \_\_\_\_\_. If answer is "yes" Type of Consolidation.  
**Operating Agreement**
3. If the answer to question two is "no", list all the owners and their respective interests below:

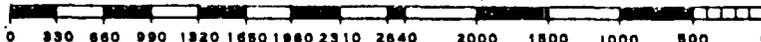
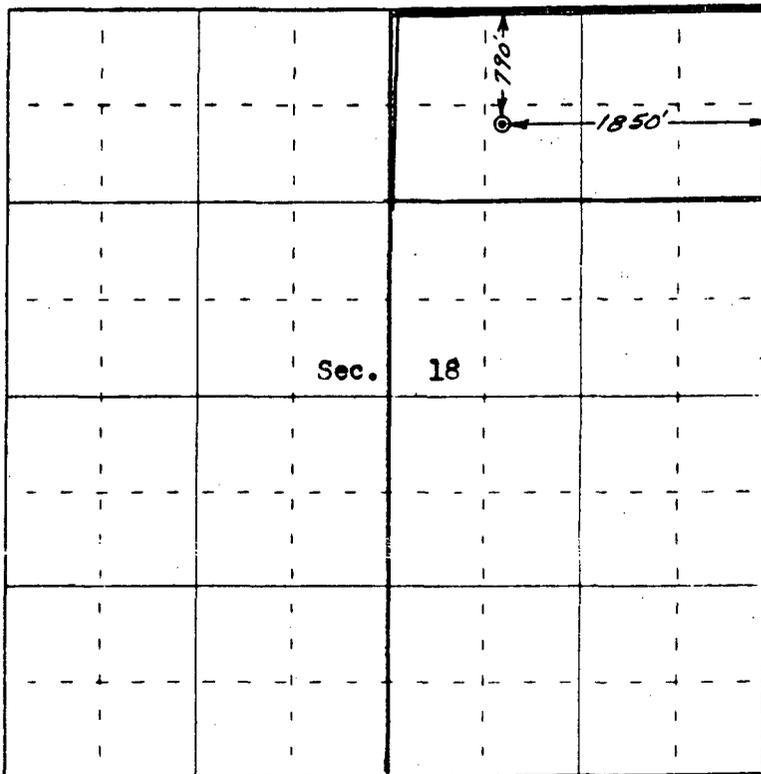
<u>Owner</u>	<u>Land Description</u>

Section B.

Note: All distances must be from outer boundaries of section.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Tenneco Oil Company  
(Operator)  
J. H. Watkins  
(Representative) J. H. Watkins  
P. O. Box 1714  
(Address)  
Durango, Colorado



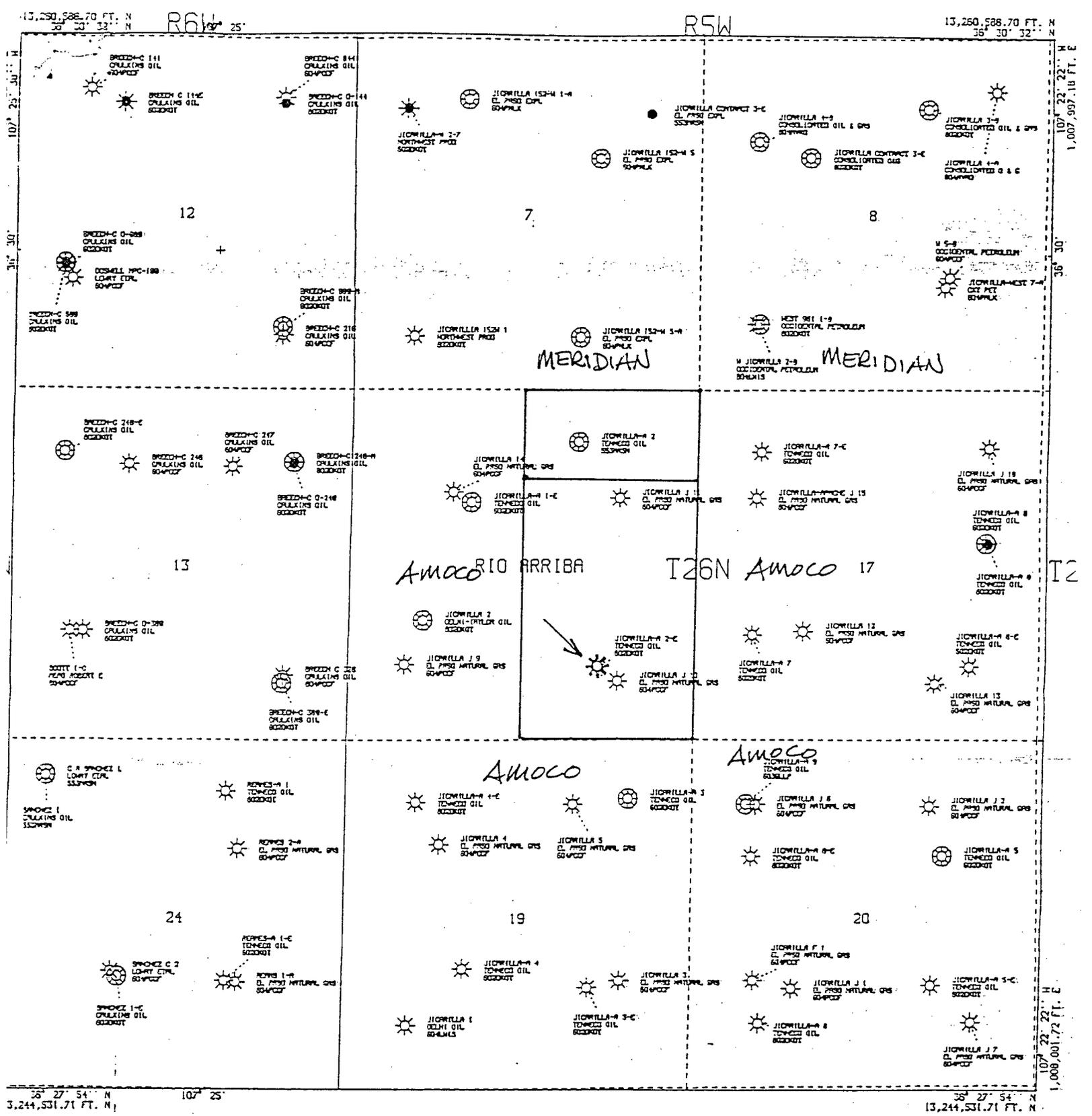
Scale 4 inches equal 1 mile



This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed 14 October 1964  
Robert H. Ernst  
Registered Professional Engineer and/or Land Surveyor  
Robert H. Ernst, N. Mex. PE & LS 2463

ERNST ENGINEERING CO.  
Durango, Colorado



All geological and geophysical data, including the interpretation thereof, appearing on this map is the private and confidential property of Amoco Production Company. The publication or reproduction thereof without the written permission of said Company is strictly prohibited.



AMOCO PRODUCTION COMPANY  
 9-SECTION-PLAT  
 AROUND JICARILLA A #2E  
 RIO ARRIBABA NM  
 SCALE 1 IN. =  $\frac{2,000}{1,500}$  FT. AUG 17, 1993

MEYCNIC CENTRAL MERIDIAN - 107° 24' 0" W LONG  
 -R610 - 8

HORIZONTAL DATUM NAD83

80122504-RUN-93229110573

Submit to Appropriate District Office  
 State Lease - 4 Copies  
 Fee Lease - 3 Copies

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-102  
 Revised 1-1-89

**OIL CONSERVATION DIVISION**

DISTRICT I  
 P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II  
 P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
 1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

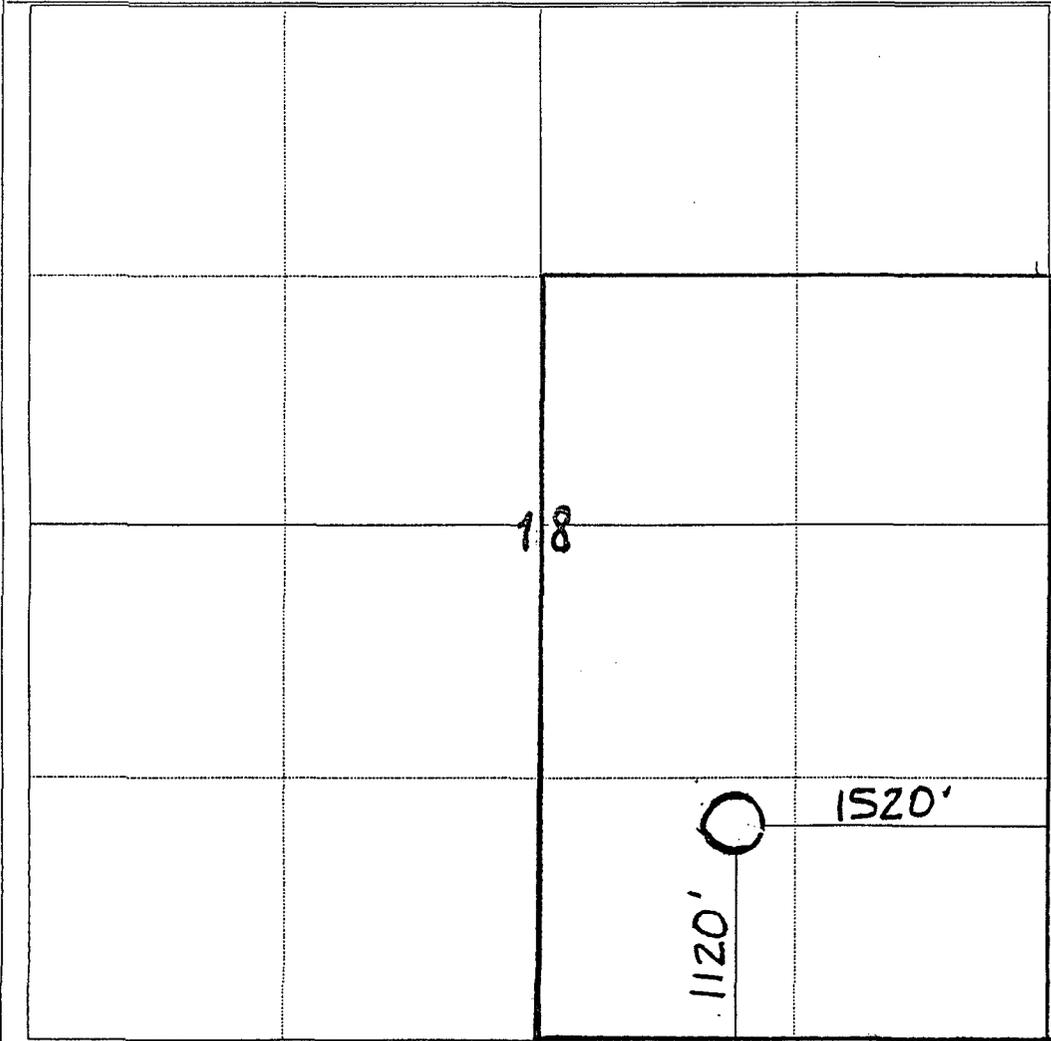
Operator Amoco Production Company			Lease Jicarilla A		Well No. 2E
Unit Letter 0	Section 18	Township 26N	Range 5 W	County Rio Arriba	
Actual Footage Location of Well: 1120' feet from the South line and 1520' feet from the East line					
Ground level Elev. 6601 GR	Producing Formation Gallup		Pool Tapacito Gallup		Dedicated Acreage: 240 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

Yes  No If answer is "yes" type of consolidation \_\_\_\_\_

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



**OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature *A Wayne Branam*

Printed Name  
A. Wayne Branam

Position  
Business Analyst

Company  
Amoco Production Company

Date  
29 Mar 1994

**SURVEY CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
18 Nov 1980

Signature & Seal of Professional Surveyor

ON File

Certificate No.





STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION



BRUCE KING  
GOVERNOR

ANITA LOCKWOOD  
CABINET SECRETARY

November 29, 1993

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

Amoco Production Company  
P.O. Box 800  
Denver, CO 80201

Attention: J.W. Hawkins

**RE: Application for unorthodox gas well location; Jicarilla "A" Well No. 2E,  
1120' FSL - 1520' FEL (Unit O) of Section 18, Township 26 North,  
Range 5 West, NMPM, Rio Arriba County, New Mexico.**

Dear Mr. Hawkins:

Before I can proceed further in processing the subject application, additional information will be required on Amoco's existing Jicarilla "A" Well No. 2 located in Unit B of said Section 18. Please provide us with information on the Tapacito Gallup completion in this well such as its history, status, classification and, most importantly, its acreage dedication (please submit a plat).

Please address any additional concerns that this existing Tapacito Gallup completion may have on the subject application.

Thank you in advance for your cooperation in this matter.

Sincerely,

Michael E. Stogner  
Chief Hearing Officer/Engineer

MES/amg

cc: Oil Conservation Division - Artesia *AZCC*  
US Bureau of Land Management - Farmington



OIL CONSERVATION DIVISION  
RECEIVED

'93 NOV 15 AM 8 39

**Amoco Production Company**

Southern Rockies Business Unit  
Amoco Building  
1670 Broadway  
Post Office Box 800  
Denver, Colorado 80201  
303-830-4040

November 4, 1993

Mr. William J. LeMay, Director  
New Mexico Oil Conservation Division  
310 Old Santa Fe Trail  
Post Office Box 2088  
Santa Fe, New Mexico 87504

File: CAW-298-986.511

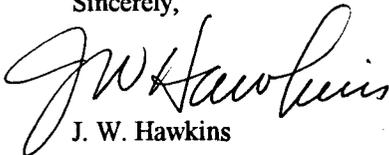
Application for Unorthodox Location  
Jicarilla A-2E Well  
E/2, Section 18, T26N-R5W  
Tapacito Gallup Pools  
Rio Arriba County, New Mexico

Amoco Production Company hereby requests administrative approval for an unorthodox location for the Jicarilla A-2E well in the Tapacito Gallup Pool. The Jicarilla A-2E well is a currently existing well which had been producing from a legal location in the Basin Dakota Pool. The well is located 1120' FSL and 1520' FEL of Section 18, T26N-R5W.

Amoco is planning to downhole commingle production from the Basin Dakota and Tapacito Gallup pools and will file a separate application for the downhole commingling approval. The spacing unit for the Tapacito Gallup Pool for this well is the E/2 of Section 18. This well is situated on the Jicarilla A lease covering all of Sections 17, 18, 19 and 20. Meridian Oil, Inc. is the only offset operator affected by this application and they will receive a copy of this application sent by certified mail.

If there are any questions concerning this matter, please contact me at (303) 830-5072.

Sincerely,



J. W. Hawkins

cc: Wayne Branam  
Lara Kwartin

Frank Chavez, Supervisor  
Amoco District III  
1000 Rio Brazas Road  
Aztec, NW 87410

Robert Kent  
Bureau of Land Management  
435 Montano NE  
Albuquerque, NM 87107

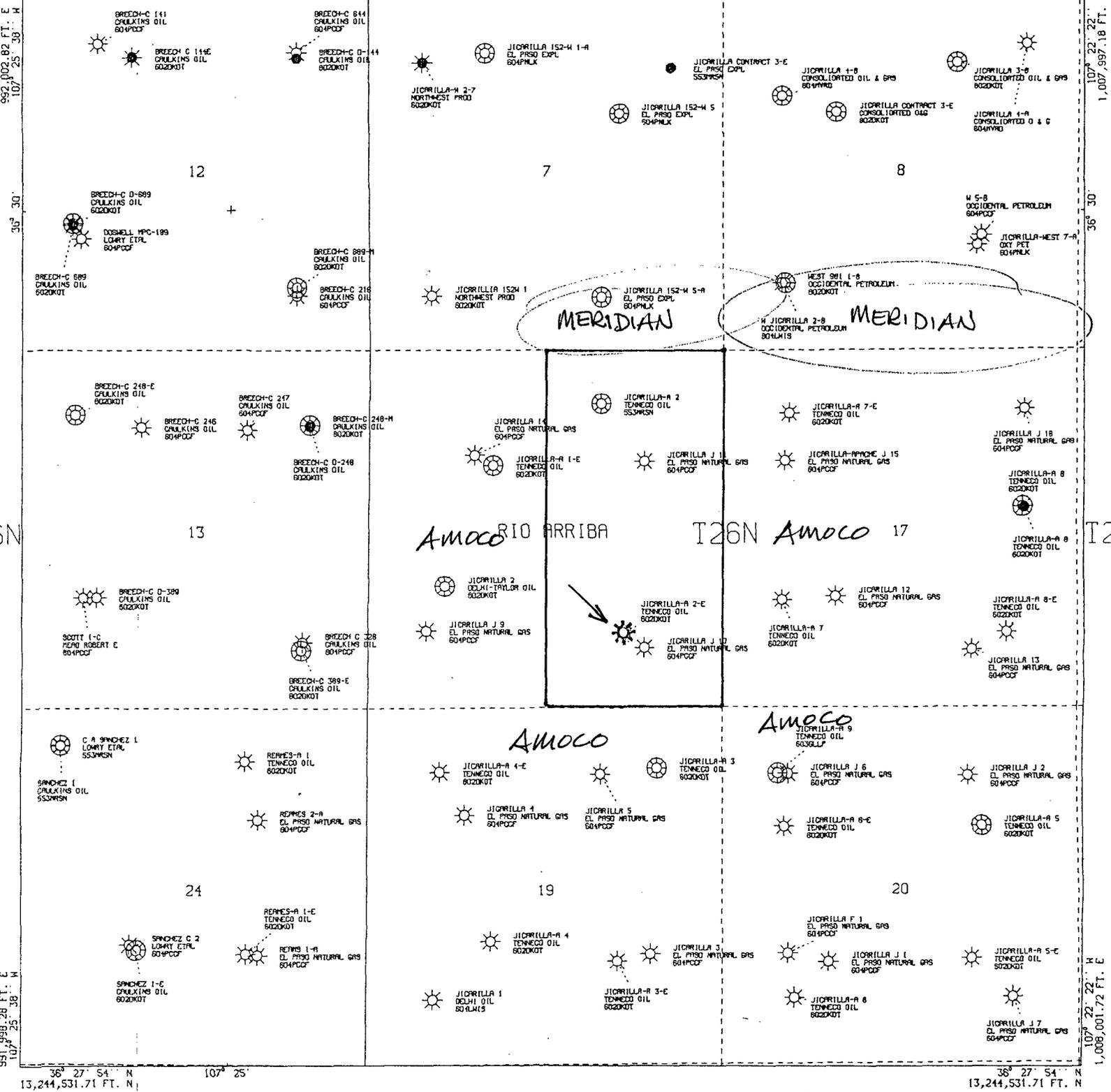
Meridian Oil, Inc.  
P. O. Box 4289  
Farmington, NM 87499

13,260,586.70 FT. N  
36° 30' 32" N

R6W 25'

R5W

13,260,586.70 FT. N  
36° 30' 32" N



All geological and geophysical data, including the interpretation thereof, appearing on this map is the private and confidential property of Amoco Production Company. The publication or reproduction thereof without the written permission of said Company is strictly prohibited.



AMOCO PRODUCTION COMPANY  
 9 SECTION PLAT  
 AROUND JICARILLA A #2E  
 RIO ARRIBA NM  
 SCALE 1 IN. =  $\frac{2,000}{1,500}$  FT. AUG 17, 1993

POLYCONIC CENTRAL MERIDIAN - 107° 24' 0" W LON  
 SPHEROID - 6

HORIZONTAL DATUM NAD27

PRR238A--RUN#83229110633

Submit to Appropriate  
District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

**DISTRICT I**

P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**

P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**

1000 Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

Operator <b>Amoco Production Company</b>			Lease <b>JICARILLA A</b>		Well No. <b>2E</b>
Unit Letter <b>O</b>	Section <b>18</b>	Township <b>26N</b>	Range <b>5W</b>	County <b>NMPM RIO ARRIBA</b>	

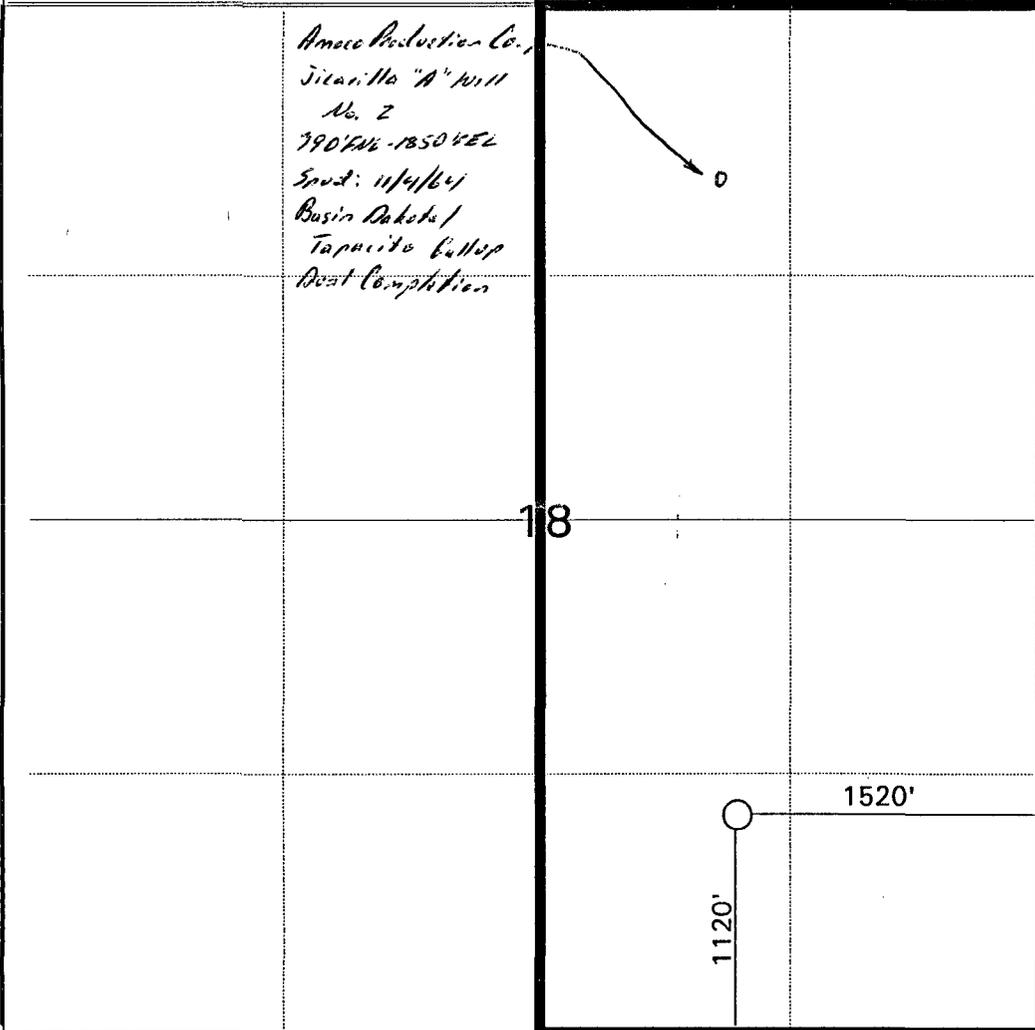
Actual Footage Location of Well:  
**1120'** feet from the **FSL** line and **1520'** feet from the **FEL** line

Ground level Elev. <b>6601GR</b>	Producing Formation <b>TAPACITO GALLUP</b>	Pool <b>TAPACITO GALLUP</b>	Dedicated Acreage: <b>ACRE Acres</b>
-------------------------------------	---	--------------------------------	---

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
 Yes     No    If answer is "yes" type of consolidation \_\_\_\_\_

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



**OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature: *Wayne Branam*  
 Printed Name: **WAYNE BRANAM**  
 Position: **BUSINESS ANALYST**  
 Company: **Amoco Production Company**  
 Date: **110393**

**SURVEY CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: **Nov 18, 1980**  
 Signature & Seal of Professional Surveyor:  
*ON FILE*  
 Certificate No.:



CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

04/19/94 15:12:58  
OGOMES -EMEK  
PAGE NO: 1

Sec : 18 Twp : 26N Rng : 05W Section Type : NORMAL

1 39.80  Federal owned	C 40.00  Federal owned	B 40.00  Federal owned A	A 40.00  Federal owned
2 39.80  Federal owned	F 40.00  Federal owned A A	G 40.00  Federal owned	H 40.00  Federal owned

PF01 HELP  
PF07 BKWD

PF02  
PF08 FWD

PF03 EXIT  
PF09 PRINT

PF04 GoTo  
PF10 SDIV

PF05  
PF11

PF06  
PF12

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

04/19/94 15:13:19  
OGOMES -EMEK  
PAGE NO: 2

Sec : 18 Twp : 26N Rng : 05W Section Type : NORMAL

3 39.80  Federal owned  A	K 40.00  Federal owned	J 40.00  Federal owned	I 40.00  Federal owned
4 39.80  Federal owned  A	N 40.00  Federal owned	O 40.00  Federal owned  A	P 40.00  Federal owned  A

PF01 HELP  
PF07 BKWD

PF02  
PF08 FWD

PF03 EXIT  
PF09 PRINT

PF04 GoTo  
PF10 SDIV

PF05  
PF11

PF06  
PF12

**ASSOCIATED OIL AND GAS POOLS**  
Northwest and Southeast New Mexico

Order No. R-5353, Adopting Special Rules and Regulations for Certain Associated Oil and Gas Pools and General Rules and Regulations for All Associated Oil and Gas Pools in Northwest and Southeast New Mexico, February 1, 1977.

Order No. R-5353 reclassifies as an oil pool, and rescinds Order No. R-4359, August 1, 1972, as amended by Order No. R-4583, August 1, 1973, adopting rules for the Jennings-Delaware Associated Pool, Lea County, New Mexico.

Order No. R-5353 reclassifies as an oil pool, and rescinds Order No. R-3437, June 18, 1968, as amended by Order No. R-3437-A, July 17, 1969, Order No. R-3437-B, January 15, 1971, Order No. R-4367, August 30, 1972, and Order No. R-4583, August 1, 1973, adopting rules for the North Paduca-Delaware Pool, Lea County, New Mexico.

Order No. R-5353 reclassifies as an oil pool the Northwest Todd-San Andres Associated Pool. See separate Order No. R-4441-A, February 1, 1977, adopting special rules for the Northwest Todd-San Andres Pool.

Application of the Oil Conservation Commission on its Own Motion to Consider the Adoption of General Rules and Regulations Governing All Associated Oil and Gas Pools of Southeast and Northwest New Mexico and the Adoption of Special Rules for Certain Associated Pools.

CASE NO. 5813  
Order No. R-5353

**ORDER OF THE COMMISSION**

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on November 23, 1976, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 17th day of January, 1977, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

**FINDS:**

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the Commission has heretofore created and designated six pools in Northwest New Mexico and 15 pools in Southeast New Mexico as "associated" oil and gas pools, being pools in which a gas cap was found to overlie an oil zone.

(3) That in order to prevent waste and to protect correlative rights, the Commission has heretofore promulgated special rules and regulations for said associated oil and gas pools, as follows:

**NORTHWEST NEW MEXICO**

POOL	COUNTY	ORDER NO.
Angels Peak-Gallup	San Juan	R-1410-C
Devils Fork-Gallup	Rio Arriba	R-5181
Escrito-Gallup	Rio Arriba	R-1793-A
Gallegos-Gallup	San Juan	R-3707
Tapacito-Gallup	Rio Arriba	R-3211
Tocito Dome-Pennsylvanian "D"	San Juan	R-2758

**SOUTHEAST NEW MEXICO**

POOL	COUNTY	ORDER NO.
Bluitt-San Andres	Roosevelt	R-1670-I
Southeast Chaves Queen Gas Area	Chaves	R-4435
South Dagger Draw-Upper Pennsylvanian	Eddy	R-4637
Double L-Queen	Chaves	R-3981-A
Jennings-Delaware	Lea	R-4359
Mesa-Queen	Lea	R-2935
North Paduca-Delaware	Lea	R-3437
Penasco Draw-San Andres-Yeso	Eddy	R-4365
Peterson-Pennsylvanian	Roosevelt	R-4538
Round Tank-Queen	Chaves	R-1670-J
Sawyer-San Andres	Lea	R-1517
Todd-Lower San Andres	Roosevelt	R-1670-G R-3153
Northwest Todd-San Andres	Roosevelt	R-4441
Twin Lakes-San Andres	Chaves	R-4102
Vest Ranch-Queen	Chaves	R-5180

(4) That the aforesaid special rules and regulations for the above-named associated oil and gas pools provide, among other things, for the definition of oil wells and gas wells, the size of oil spacing units and gas spacing units, standard well locations, gas-oil ratio limitations, well testing, and gas well allowables.

(5) That there is a wide variation in the various special pool rules applicable to the aforesaid associated pools, not only in substantive content and purpose, but also in format and general manner of presentation.

(6) That said variations have caused confusion and have resulted in unnecessary administrative burden to both the operators in said pools and the Commission.

(7) That the adoption of general rules applicable to all associated pools, with provision for certain special rules applicable to particular pools only, would tend to eliminate said confusion and would ease the administrative burden of both the operators in said pools and the Commission.

(8) That in order to more nearly equalize the time frame within which oil wells and gas wells in associated pools may produce their current allowable, thereby equalizing withdrawals from their respective portions of the associated reservoir, the general rules for associated pools should provide for a one-month proration period for gas wells, and oil wells should continue to be operated under the provisions of Rule 502 of the Commission General Rules and Regulations.

(9) That in order to provide a reasonable period of time for the production of the current allowable from a gas well in an

**(GENERAL RULES AND REGULATIONS - ASSOCIATED OIL AND GAS POOLS - Cont'd.)**

associated pool, provision should be made in the general associated pool rules for underproduction from such well to be carried forward into subsequent proration periods, provided however, that such underproduction in excess of three times the current monthly allowable should not be carried forward, but should be cancelled.

(10) That in order to provide a reasonable period of time in which overproduction of current allowable by a gas well in an associated pool may be compensated for by underproduction, provision should be made in the general associated pool rules for such overproduction to be carried forward into subsequent proration periods, provided however, that any well which is overproduced by an amount exceeding three times its current monthly allowable should be shut in until such well is overproduced by an amount less than three times its current monthly allowable.

(11) That the volumetric gas allowable formulas applicable to the Bluit-San Andres Associated Pool and the Todd-Lower San Andres Associated Pool are no longer effective and should not be included in the special pool rules for said pools.

(12) That the inclusion of liquid gravity as a criterion in the classification of oil wells and gas wells in the Angels Peak-Gallup, Devils Fork-Gallup, Bluit-San Andres, Peterson-Pennsylvanian, and Todd-Lower San Andres Pools appears to serve no useful purpose, and should be discontinued.

(13) That the Jennings-Delaware Associated Pool and the North Paduca-Delaware Associated Pool, as heretofore created and defined, no longer fit the associated pool classification, and that said pools should be redefined as oil pools subject to the Commission General Rules and Regulations, and the Special Rules for said pools should be rescinded.

(14) That the Northwest Todd-San Andres Associated Pool as previously created and defined no longer fits the associated pool classification and should be redefined as an oil pool and the special pool rules therefor amended to provide only for 80-acre oil well spacing units and a gas-oil ratio limitation of 5000 to 1.

(15) That the existing special associated pool rules for the remaining 18 associated pools which provide for spacing of oil wells and gas wells, oil well and gas well locations, definition of oil wells and gas wells based on gas-liquid ratios, and special gas-oil ratio limitations, any of which are in conflict with the general rules and regulations for associated pools should be retained, but should be incorporated in one overall order applicable to associated oil and gas pools, and the orders presently applicable to said pools superseded.

(16) That the gas well location requirements for the Double L-Queen Associated Pool should be amended to comply with the general rules and regulations for associated pools.

(17) That all associated pool gas well underproduction should be cancelled as of January 31, 1977.

(18) That the Secretary-Director of the Commission should be authorized to administratively reinstate such cancelled underproduction, up to three times the current monthly allowable, upon a showing by the operator that such underproduction could be made up.

(19) That the rescission, amendment, and supersedure of the Special Pool Rules listed in Finding No. (3) above, and the adoption of General Rules applicable to the associated oil and gas pools in the State of New Mexico in accordance with the above findings will prevent waste and protect correlative rights, is in the public interest, and should be approved.

**IT IS THEREFORE ORDERED:**

(1) That effective February 1, 1977, general rules and regulations are hereby adopted for the associated oil and gas pools of northwest and Southeast New Mexico as follows:

**GENERAL RULES AND REGULATIONS FOR THE ASSOCIATED OIL AND GAS POOLS OF NORTHWEST NEW MEXICO AND SOUTHEAST NEW MEXICO.**

(See Special Pool Rules for each pool for rules applicable to that particular pool. Special Pool Rules will be found in the same classification order as in the General Section. If the Special Rule is in conflict with the General Rule, the Special Rule shall be applicable.)

**A. WELL LOCATION AND ACREAGE REQUIREMENTS**

**RULE 1.** Any well drilled to the producing formation of an associated pool regulated by this order and within said pool or within one mile outside the boundary of that pool, and not nearer to nor within the boundaries of another designated pool producing from the same formation, shall be spaced, drilled, operated, and prorated in accordance with the regulations in effect in that pool.

**RULE 2. (a)** See Special Pool Rules for applicable size of oil and gas spacing and proration units. Unless otherwise specified by the Special Pool Rules, 40-acre units shall comprise a governmental quarter-quarter section substantially in the form of a square, being a legal subdivision of the United States Public Land Surveys; 80-acre units shall comprise two contiguous quarter-quarter sections, being the N/2, S/2, E/2, or W/2 of a single governmental quarter section; 160-acre units shall comprise a governmental quarter section; and 320-acre units shall comprise two contiguous quarter sections, being the N/2, S/2, E/2, or W/2 of a single governmental section.

**RULE 2. (b)** Each well drilled or completed on a spacing and proration unit within an associated pool governed by these rules shall be located as provided below:

**OIL WELLS AND GAS WELLS - NORTHWEST NEW MEXICO**

Standard Proration Unit	Location Requirements
40 Acres	Not closer than 330 feet to the boundary of the tract
80, 160 and 320 Acres	Not closer than 790 feet to any quarter section line nor closer than 330 feet to any quarter-quarter section line or subdivision inner boundary

**OIL WELLS - SOUTHEAST NEW MEXICO**

Standard Proration Unit	Location Requirements
40 Acres	Not closer than 330 feet to the boundary of the tract
80 and 160 Acres	Within 150 feet of the center of the quarter-quarter section wherein located

## (GENERAL RULES AND REGULATIONS - ASSOCIATED OIL AND GAS POOLS - Cont'd.)

## GAS WELLS - SOUTHEAST NEW MEXICO

Standard Proration Unit	Location Requirements
160 Acres	Within 150 feet of the center of the quarter-quarter section wherein located
320 Acres	Not closer than 660 feet to the nearest side boundary nor closer than 1980 feet to the nearest end boundary of the spacing unit nor closer than 330 feet to any quarter-quarter section or subdivision inner boundary

RULE 2. (c) The Secretary-Director of the Commission shall have authority to grant an exception to the well location requirements of Rule 2(b) above without notice and hearing when the necessity for such unorthodox location is based upon topographical conditions or the recompletion of a well previously drilled to another horizon, provided said well was drilled at an orthodox location for such original horizon, or where the size and shape of an approved non-standard spacing and proration unit render a standard location impossible.

Applications for administrative approval of unorthodox locations shall be filed in triplicate and shall be accompanied by plats showing the ownership of all leases offsetting the proration or spacing unit for which the unorthodox location is sought, and also all wells completed thereon. If the proposed unorthodox location is based upon topography, the plat shall also show and describe the existent topographical conditions.

All operators of proration or spacing units offsetting the unit for which the unorthodox location is sought shall be notified of the application by certified or registered mail, and the application shall state that such notification has been given. The Secretary-Director may approve the unorthodox location upon receipt of waivers from all offset operators or if no offset operator has entered an objection to the unorthodox location within 20 days after the Secretary-Director has received the application.

RULE 3. (a) Each gas well shall be located on a standard unit containing 160 acres or 320 acres, more or less, as provided in the special rules for the pool in which it is situate.

(b) Each oil well shall be located on a standard unit containing 40 acres, 80 acres or 160 acres, more or less, as provided in the special rules for the pool in which it is situate.

RULE 4. (a) The District Supervisor of the appropriate district office of the Commission shall have the authority to approve a non-standard unit as an exception to Rule 3(a) or 3(b) without notice and hearing when the unorthodox size or shape of the unit is necessitated by a variation in the legal subdivision of the U. S. Public Land Surveys and the non-standard unit is not less than 75% nor more than 125% of a standard unit.

The District Supervisor of the appropriate district office of the Commission may approve the non-standard unit by:

(1) Accepting a plat showing the proposed non-standard unit and the acreage to be dedicated to the non-standard unit, and

(2) Assigning an allowable to the non-standard unit.

(b) The Secretary-Director of the Commission may grant an exception to the requirements of Rule 3(a) or Rule 3(b), when the unorthodox size or shape of the unit is necessitated by a variation in the legal subdivision of the U. S. Public Land Surveys and the non-standard unit is less than 75% or more than 125% of a standard unit, or where the following facts exist and the following provisions are complied with:

(1) The non-standard unit consists of quarter-quarter sections or lots that are contiguous by a common bordering side.

(2) The non-standard unit lies wholly within a governmental subdivision or subdivisions which would be a standard unit for the well (half quarter section, quarter section, or half section) but contains less acreage than a standard unit.

(3) The applicant presents written consent in the form of waivers from all offset operators and from all operators owning interests in the half quarter section, quarter section or half section (for 80-acre, 160-acre, and 320-acre standard dedications respectively) in which the non-standard unit is situated and which acreage is not included in said non-standard unit.

(4) In lieu of Paragraph (3) of this rule, the applicant may furnish proof of the fact that all of the foresaid operators were notified by registered or certified mail of his intent to form such non-standard unit. The Secretary-Director may approve the application if no such operator has entered an objection to the formation of such non-standard unit within 30 days after the Secretary-Director has received the application.

## B. WELL CLASSIFICATION AND GAS-OIL RATIO LIMITATION

RULE 5. (a) A well shall be classified as a gas well if it has a gas-liquid ratio of 30,000 or more cubic feet of gas per barrel of liquid hydrocarbons. A well shall be classified as an oil well if it has a gas-liquid ratio of less than 30,000 cubic feet of gas per barrel of liquid hydrocarbons.

(b) The simultaneous dedication of any acreage to an oil well and a gas well is prohibited.

RULE 6. That the limiting gas-oil ratio shall be 2000 cubic feet of gas for each barrel of oil produced.

RULE 7. An oil well shall be permitted to produce only that amount of gas determined by multiplying the top unit oil allowable for the pool by the limiting gas-oil ratio for the pool. In the event there is more than one oil well on an oil proration unit, the operator may produce the allowable assigned to the unit from the wells on the unit in any proportion.

A gas well shall be permitted to produce that amount of gas obtained by multiplying the top unit oil allowable for the pool by the limiting gas-oil ratio for the pool and by a fraction, the numerator of which is the number of acres dedicated to the particular gas well and the denominator of which is a number equal to the number of acres in a standard oil proration unit in such pool. In the event there is more than one gas well on a gas proration unit, the operator may produce the amount of gas assigned to the unit from the wells on the unit in any proportion.

## (GENERAL RULES AND REGULATIONS - ASSOCIATED OIL AND GAS POOLS - Cont'd.)

## C. WELL TESTING

RULE 8. The operator of each newly completed well shall cause a gas-liquid ratio test to be taken on the well upon recovery of all load oil from the well, provided however, that in no event shall the test be commenced later than 30 days from the date of first production unless the well is connected to a gas-gathering facility and is producing under a temporary gas allowable assigned in accordance with Rule 11. Any well which is shut-in shall be exempted from the gas-liquid ratio test requirement so long as it remains shut-in. The initial gas-liquid ratio test shall be taken in the manner prescribed by Rule 9. If the gas-liquid ratio is 30,000 cubic feet of gas per barrel of liquid hydrocarbons, or more, the operator shall not produce the well until beneficial use can be made of the gas.

RULE 9. (a) Semi-annual gas-liquid ratio tests shall be taken on all wells during each year in accordance with a test schedule prepared by the district office of the Commission. The initial gas-liquid ratio test shall suffice as the first semi-annual test. Tests shall be 24-hour tests, being the final 24 hours of a 72-hour period during which the well shall be produced at a constant normal rate of production. Results of such tests shall be filed on Commission Form C-116 on or before the 10th day of the following month. At least 72 hours prior to commencement of any such gas-liquid ratio tests, each operator shall file with the appropriate district office of the Commission a test schedule for its wells specifying the time each of its wells is to be tested. Copies of the test schedule shall also be furnished to all offset operators. The supervisor of the appropriate district office of the Commission may grant an exception to the above test requirements where it is demonstrated that the well(s) produce(s) no liquids.

Special tests shall also be taken at the request of the Secretary-Director and may also be taken at the option of the operator. Such special tests shall be taken in accordance with the procedures outlined hereinabove, including notification to the Commission and offset operators.

(b) The Secretary-Director of the Commission shall have authority to grant pool-wide exceptions to Rule 9(a) above, without notice and hearing upon a showing that production from wells within such pool has stabilized to the point where such tests would be of essentially no value for application of these general rules for associated pools.

RULE 10. An initial shut-in pressure test shall be taken on each gas well and shall be reported to the Commission on Form C-125.

## D. ASSIGNMENT OF ALLOWABLE

RULE 11. Any well completed after the effective date of these rules shall receive an allowable only upon receipt by the appropriate Commission district office of Commission Forms C-102, C-104, C-116, and, in the case of a gas well, a transporter's notice of gas connection, properly executed. The District Supervisor of the Commission's district office is hereby authorized to assign a temporary gas allowable to wells connected to a gas transportation facility during the recovery of load oil, which allowable shall not exceed the number of cubic feet of gas obtained by multiplying the daily top unit allowable for the pool by the limiting gas-oil ratio for the pool.

## E. GAS PRORATIONING

RULE 12. The associated gas proration period shall be the proration month which shall begin at 7 a.m. on the first day of the month and shall end at 7 a.m. on the first day of the next succeeding month.

RULE 13. (a) Any associated gas well which has an under-produced status at the end of any associated gas proration period, shall carry such underproduction into subsequent periods.

(b) Underproduction in excess of three times the current monthly allowable shall not be carried forward but shall be cancelled. For purposes of this rule, the monthly allowable shall be the full monthly allowable which would be assigned an associated gas well with the same acreage dedication in the same pool.

(c) Overproduction during any month shall be applied to a well's cumulative underproduction, if any, calculated in accordance with Paragraphs (a) and (b) above.

RULE 14. Any associated gas well which has an overproduced status at the end of any associated gas proration period shall carry such overproduction into subsequent periods. If at any time a well is overproduced an amount exceeding three times its current monthly allowable, it shall be shut in during that month and each succeeding month until the well is overproduced less than three times its current monthly allowable.

RULE 15. The allowable assigned to a well during any one month of an associated gas proration period in excess of the production for the same month shall be applied against the overproduction carried into such period in determining the amount of overproduction, if any, which has not been compensated for.

RULE 16. The Commission may allow overproduction to be compensated for at a lesser rate than would be the case if the well were completely shut in upon a showing after notice and hearing that complete shut in of the well would result in material damage to the well or reservoir.

## F. REPORTING OF PRODUCTION

RULE 17. The monthly gas production from each gas well shall be metered separately and the gas production therefrom shall be reported to the Commission on Form C-115 so as to reach the Commission on or before the 24th day of the month next succeeding the month in which the gas was produced. The operator shall show on such report what disposition has been made of the produced gas.

RULE 18. Each purchaser or taker of gas shall submit a report to the Commission so as to reach the Commission on or before the 15th day of the month next succeeding the month in which the gas was purchased or taken. Such report shall be filed on Form C-111 with the wells being listed in the same order as they are listed on the appropriate proration schedule.

## G. GENERAL PROVISIONS

RULE 19. Failure to comply with any provision of these rules shall result in the immediate cancellation of allowable assigned to the affected well. No further allowable shall be assigned until all rules and regulations have been complied with. The Secretary-Director shall notify the operator of the

(GENERAL RULES AND REGULATIONS - ASSOCIATED OIL AND GAS POOLS - Cont'd.)

well and purchaser in writing of the date of allowable cancellation and the reason therefor.

RULE 20. All transporters or users of gas shall file gas well connection notices with the Commission as soon as possible after the date of connection.

RULE 21. Allowables to wells whose classification has changed from oil to gas or from gas to oil as the result of a gas-liquid ratio test shall commence on the first day of the month following the month in which such test was reported, provided that a plat (Form C-102) showing the acreage dedicated to the well and the location of all wells on the dedicated acreage has been filed.

(2) That the above General Rules and Regulations for the Associated Oil and Gas Pools of Northwest New Mexico and Southeast New Mexico shall be applicable to the following associated pools:

NORTHWEST NEW MEXICO

Angels Peak-Gallup	Gallegos-Gallup
Devils Fork-Gallup	Tapacito-Gallup
Escrito-Gallup	Tocito Dome-Pennsylvanian "D"

SOUTHEAST NEW MEXICO

Bluitt-San Andres	Penasco Draw-San Andres-Yeso
Southeast Chaves Queen Gas Area	Peterson-Pennsylvanian
South Dagger Draw-	Round Tank-Queen
Upper Pennsylvanian	Sawyer-San Andres
Double L-Queen	Todd-Lower San Andres
Mesa-Queen	Twin Lakes-San Andres
	Vest Ranch-Queen

(3) That effective February 1, 1977, the following Special Rules and Regulations shall be applicable to the below-named associated pools: (See Special Rules and Regulations applicable to each pool at end of order).

(3) (As Numbered) That effective February 1, 1977, the following orders, as amended, which apply to the aforementioned associated pools (See Special Rules and Regulations carried at end of order for these pools), are hereby superseded:

R-1410-C	R-1670-I	R-1670-J
R-5181	R-4435	R-1517
R-1793-A	R-4637	R-1670-G
R-3707	R-3981-A	R-3153
R-3211	R-2935	R-4102
R-2758	R-4365	R-5180
	R-4538	

(4) That the Jennings-Delaware Pool as heretofore classified, defined, and described is hereby reclassified as an oil pool, and Order No. R-4359 is hereby rescinded, effective February 1, 1977.

(5) That the North Paduca-Delaware Pool as heretofore classified, defined, and described is hereby reclassified as an oil pool, and Order No. R-3437 is hereby rescinded, effective February 1, 1977.

(6) That effective February 1, 1977, the Northwest Todd-San Andres Pool as heretofore classified, defined, and described is hereby reclassified as an oil pool with Order No. R-4441 to be superseded by Order No. R-4441-A, to be issued concomitantly with the instant order, No. R-5353.

(7) That effective January 31, 1977, all underproduction accrued to gas wells in the associated pools affected by this order is hereby cancelled.

(8) That the Secretary-Director of the Commission is hereby authorized to reinstate any well's accrued underproduction cancelled effective January 31, 1977, provided that such reinstated underproduction shall not exceed three times the well's current monthly allowable and provided further that the application for reinstatement of such underproduction shall contain evidence that the affected well is capable of producing such underproduction and that said application is received by the Secretary-Director not later than April 1, 1977.

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

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

ANGELS PEAK-GALLUP ASSOCIATED POOL  
San Juan County, New Mexico

Order No. R-5353, Adopting Special Rules and Regulations, in Addition to the General Rules and Regulations for Associated Oil and Gas Pools in Northwest and Southeast New Mexico, for the Angels Peak-Gallup Associated Pool, San Juan County, New Mexico, February 1, 1977.

(Order No. R-5353 supersedes Order No. R-1410, adopting rules for the Angels Peak-Gallup Pool, San Juan County, New Mexico, May 28, 1959, as amended by Order No. R-1410-A, August 11, 1959, as superseded by Order No. R-1410-C, October 1, 1960, as amended by Order No. R-1410-D, July 17, 1962, Order No. R-4367, August 30, 1972, and Order No. R-4583, August 1, 1973.)

RULE 2. (a) A standard oil proration unit shall be 80 acres. A standard gas proration unit shall be 320 acres.

(General Pool Rules also apply unless in conflict with these Special Pool Rules.)

(GENERAL RULES AND REGULATIONS - ASSOCIATED OIL AND GAS POOLS - Cont'd.)

GALLEGOS-GALLUP ASSOCIATED POOL  
San Juan County, New Mexico

DEVILS FORK-GALLUP ASSOCIATED POOL  
Rio Arriba County, New Mexico

Order No. R-5353, Adopting Special Rules and Regulations, in Addition to the General Rules and Regulations for Associated Oil and Gas Pools in Northwest and Southeast New Mexico, for the Devils Fork-Gallup Associated Pool, Rio Arriba County, New Mexico, February 1, 1977, as Amended by Order No. R-5353-G, August 1, 1981.

(Order No. R-5353 supersedes Order No. R-5181, adopting amended rules for the Devils Fork-Gallup Associated Pool, Rio Arriba County, New Mexico, April 1, 1976. Order No. R-5181 rescinded Order No. R-1670-B, November 1, 1960, adopting rules for the Devils Fork-Gallup Gas Pool, as amended by Order No. R-1670-B-1, October 18, 1962, Order No. R-4367, August 30, 1972, Order No. R-4404, September 27, 1972, and Order No. R-5483, August 1, 1973. Order No. R-1670-B superseded Order No. R-1641-A, June 10, 1960, which superseded Order No. R-1641, March 30, 1960, creating and adopting rules for the Devils Fork-Gallup Gas Pool.)

RULE 2. (As Amended by Order No. R-5353-G, August 1, 1981.) (a) A standard oil proration unit shall be 160 acres. A standard gas proration unit shall be 320 acres.

(General Pool Rules also apply unless in conflict with these Special Pool Rules.)

ESCRITO-GALLUP ASSOCIATED POOL  
Rio Arriba County, New Mexico

TAPACITO-GALLUP ASSOCIATED POOL  
Rio Arriba County, New Mexico

Order No. R-5353, Adopting Special Rules and Regulations, in Addition to the General Rules and Regulations for Associated Oil and Gas Pools in Northwest and Southeast New Mexico, for the Escrito-Gallup Associated Pool, Rio Arriba County, New Mexico, February 1, 1977.

(Order No. R-5353 supersedes Order No. R-1793-A, adopting rules for the Escrito-Gallup Pool, Rio Arriba County, New Mexico, December 1, 1960, as amended by Order No. R-4367, August 30, 1972, Order No. R-4404, September 27, 1972, and Order No. R-4583, August 1, 1973.)

RULE 2. (a) A standard oil proration unit shall be 80 acres. A standard gas proration unit shall be 320 acres.

(General Pool Rules also apply unless in conflict with these Special Pool Rules.)

Order No. R-5353, Adopting Special Rules and Regulations, in Addition to the General Rules and Regulations for Associated Oil and Gas Pools in Northwest and Southeast New Mexico, for the Gallegos-Gallup Associated Pool, San Juan County, New Mexico, February 1, 1977.

(Order No. R-5353 supersedes Order No. R-3707, adopting rules for the Gallegos-Gallup Pool, San Juan County, New Mexico, May 1, 1969, as amended by Order No. R-4367, August 30, 1972, and Order No. R-4583, August 1, 1973.)

RULE 2. (a) A standard oil proration unit shall be 80 acres. A standard gas proration unit shall be 320 acres.

(General Pool Rules also apply unless in conflict with these Special Pool Rules.)

Order No. R-5353, Adopting Special Rules and Regulations, in Addition to the General Rules and Regulations for Associated Oil and Gas Pools in Northwest and Southeast New Mexico, for the Tapacito-Gallup Associated Pool, Rio Arriba County, New Mexico, February 1, 1977.

(Order No. R-5353 supersedes Order No. R-3211, creating and adopting rules for the Tapacito-Gallup Associated Pool, Rio Arriba County, New Mexico, April 1, 1967, as amended by Order No. R-4367, August 30, 1972, and Order No. R-4583, August 1, 1973.)

RULE 2. (a) A standard oil proration unit shall be 80 acres. A standard gas proration unit shall be 320 acres.

(General Pool Rules also apply unless in conflict with these Special Pool Rules.)



STATE OF NEW MEXICO  
 ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT  
 OIL CONSERVATION DIVISION  
 AZTEC DISTRICT OFFICE

OIL CONSERVATION DIVISION  
 RECEIVED

'93 DEC 15 AM 9:00  
 1800 RIO BRAZOS ROAD  
 AZTEC, NEW MEXICO 87410  
 (505) 334-6178

Date: 12-13-93

*Attn: Mike Stogner*

Oil Conservation Division  
 P.O. Box 2088  
 Santa Fe, NM 87504-2088

RE: Proposed MC \_\_\_\_\_  
 Proposed NSL X \_\_\_\_\_  
 Proposed WFX \_\_\_\_\_  
 Proposed NSP \_\_\_\_\_

Proposed DHC \_\_\_\_\_  
 Proposed SWD \_\_\_\_\_  
 Proposed PMX \_\_\_\_\_  
 Proposed DD \_\_\_\_\_

Gentlemen:

I have examined the application received on 11-12-93  
 for the Amoco OPERATOR JICARILLA<sup>4th</sup> 2E LEASE & WELL NO.

0-18-26N-05W and my recommendations are as follows:  
 UL-S-T-R

Approve

---



---



---



---

Yours truly,

*Ernie Bosch*