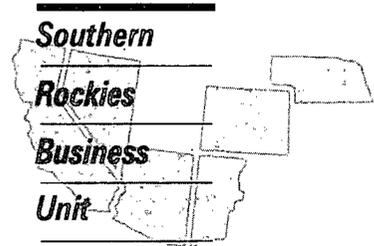




OIL CONSERVATION DIVISION
RECEIVED

'95 NOV 8 AM 8 52



November 2, 1995

Mr. William J. LeMay, Director
New Mexico Oil Conservation Division
2040 S. Pacheco Street
P.O. Box 6429
Santa Fe, NM 87505

Application For Unorthodox Location
Michener A LS #5 Well
1090' FNL, 600' FEL, Section 31-T28N-R9W
Otero Chacra Pool
San Juan County, New Mexico

Amoco Production Company hereby requests administrative approval for an unorthodox well location for the Michener A LS #5 well in the Otero Chacra Pool. Amoco plans to recomplate this well from the Mesaverde to the Chacra. The spacing unit for this existing well is the NE/4 of Section 31 for the Otero Chacra. This well was also at an unorthodox location in the Mesaverde due to extreme topographic conditions. Attached you will find a copy of Administrative order NSL-87 dated January 23, 1957 granting approval for the unorthodox location in the Mesaverde. This well encroaches 190' to the outer boundary of the spacing unit due to those topographic limitations.

A copy of this application will be submitted to the offset operators by certified mail with a request that they furnish your Santa Fe office with a Waiver of Objection, and return one copy to this office. Attached are plats showing the location of the well, offset operators, and all wells drilled in the area.

Pamela W. Staley

Attachments

cc: Frank Chavez, Supervisor Steve Webb, Amoco
NMOCD District III Gail Jefferson, Amoco
1000 Rio Brazos Road
Aztec, NM 87410

WAIVER

_____ hereby waives objection to Amoco's application for an unorthodox well location for the Michener A LS #5 well described above.

By: _____ Date: _____

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

11/09/95 18:52:10
OGOMES -EMEZ
PAGE NO: 2

Sec : 31 Twp : 28N Rng : 09W Section Type : NORMAL

3 31.94 Federal owned A	K 40.00 Federal owned	J 40.00 Federal owned	I 40.00 Federal owned A A
4 30.09 Federal owned A A	5 38.79 Federal owned	6 40.31 Federal owned	7 41.84 Federal owned

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

Sec : 31 Twp : 28N Rng : 09W Section Type : NORMAL

1 31.50 Federal owned A A	C 40.00 Federal owned	B 40.00 Federal owned	A 40.00 Federal owned A A
2 31.72 Federal owned	F 40.00 Federal owned	G 40.00 Federal owned	H 40.00 Federal owned A

M0002: This is the first page

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993
OIL CONSERVATION DIVISION

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT - " for such proposals

5. Lease Designation and Serial No. SF-077107
6. If Indian, Allottee or Tribe Name
7. If Unit or CA, Agreement Designation
8. Well Name and No. Michener A LS #5
9. API Well No. 3004507059
10. Field and Pool, or Exploratory Area Blanco Mesaverde
11. County or Parish, State San Juan New Mexico

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator Amoco Production Company
Attention: Gail M. Jefferson, Rm 1295C

3. Address and Telephone No.
P.O. Box 800, Denver, Colorado 80201 (303) 830-6157

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1090FNL 600FEL Sec. 31 T 28N R 9W Unit A

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other Plug MV Recom Chacra
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Amoco Production Company requests permission to plug the Mesaverde horizon and recomplete this well to the Chacra per the attached procedures.

If you have any technical questions please contact Steve Webb at (303) 830-4206 or Gail Jefferson for any administrative questions.

RECEIVED
BLM
95 AUG -8 PM 2:19
070 FARMINGTON, NM

RECEIVED AUG 2 5 1995
RECEIVED AUG 1 4 1995
OIL CON. DIV. DIST. 3
OIL CON. DIV. DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed Gail M. Jefferson Title Sr. Admin. Staff Ass. **APPROVED** 995

(This space for Federal or State office use)

Approved by _____ Title _____ Date AUG 09 1995

Conditions of approval, if any:

DISTRICT MANAGER

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

District I
 PO Box 1980, Hobbs, NM 88241-1980
 District II
 811 South First, Artesia, NM 88210
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505

dh
Q

Form C-102
 Revised October 18, 1994
 Instructions on back
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 3004507059		2 Pool Code 72329		3 Pool Name Otero Chacra	
4 Property Code 000871		5 Property Name Michener A LS			6 Well Number 5
7 OGRID No. 000778		8 Operator Name Amoco Production Company			9 Elevation 6059

10 Surface Location

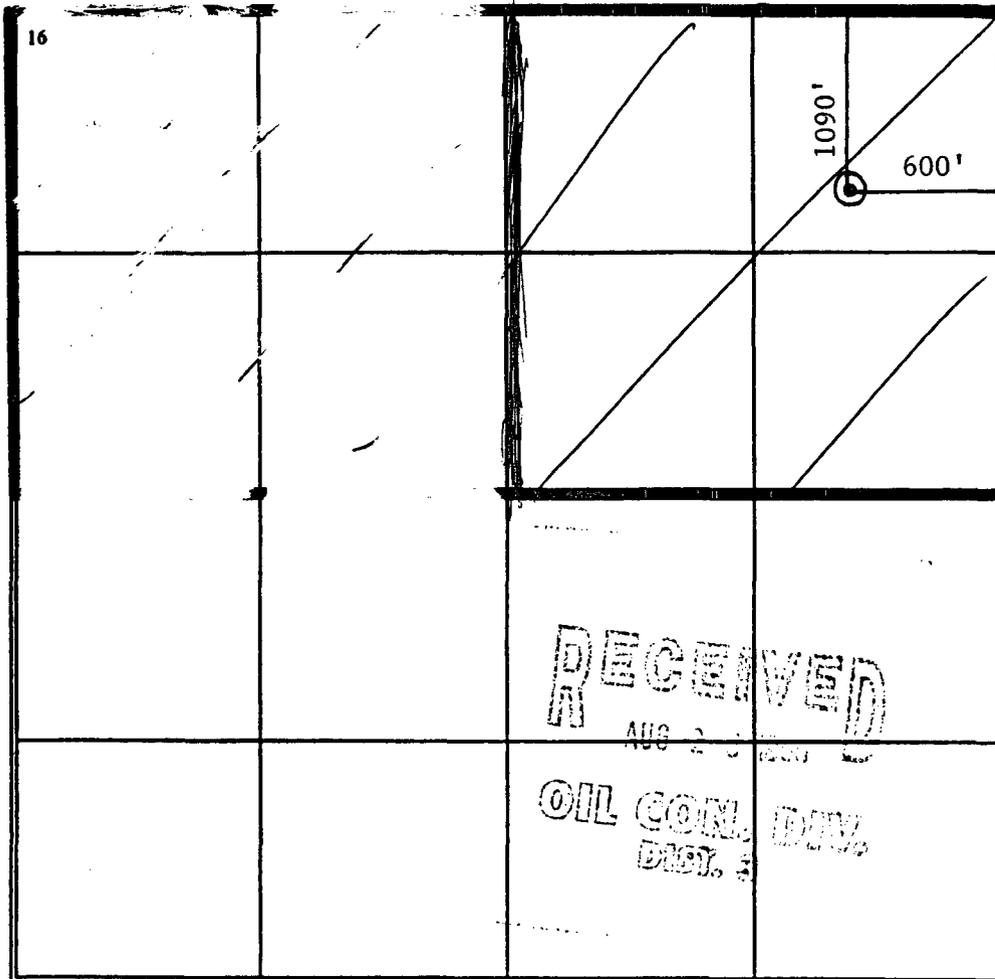
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	31	28N	9W		1090	North	600	East	San Juan

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 1.60	13 Joint or Infill	14 Consolidation Code	15 Order No.
----------------------------	--------------------	-----------------------	--------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

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

Gail M. Jefferson
 Signature
 Gail M. Jefferson
 Printed Name
 Sr. Admin. Staff Asst.
 Title
 8/24/95
 Date

18 SURVEYOR 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 belief.

December 18, 1956
 Date of Survey
 Signature and Seal of Professional Surveyer:

RECEIVED
 AUG 2 1995
 OIL CON. DIV.
 DIST. 3

On File
 Certificate Number

Michener A LS #5

Orig. Comp. 6/57

TD = 4685' PBTB = 4631'

Page 2 of 2

1. Check location for anchors. Install if necessary. Test anchors.
2. MIRUSU. Blow down well. Kill if necessary with 2% KCL. NDWH. NUBOP.
3. POOH with 2" tbg. RIH with tbg and cement retainer. Set retainer at 4350'. Test casing integrity to 500#. Squeeze perms at 4404' to 4509' with ~~79~~ 50 25' cuft of cement. Pull out of retainer and spot ~~100'~~ 125' of cement on top (This will bring cement 50 25' above the liner top). Spot 100' cement plug from ~~3400-3500'~~ 3752-3652' (this will leave 160' rathole). *At a minimum* *(Top of ml)*
4. WOC. Circulate hole clean. POOH.
5. RU HES. Run GR/CCL/CBL from 3300' to surface. Contact Steve Webb in Denver with results to verify cement isolation of the CK.
6. Perforate CK at 3223', 3225', 3227', 3229', 3231', 3234', 3236', 3238' and 3240' using 1 JSPF select fire 4" HCP w/ 22.7 g charges (0.4" EHD, 20.22" penetration). Correlate CBL GR from step 5 to Schlumberger's GR/IEL dated 4/19/57.
7. TIH w/ 2" tubing x packer. Set packer at 3100'. Breakdown/ball off perforations using KCL and 7/8" 1.1 SG RCN balls. TOOH w/ tubing x packer.
8. Fracture stimulate CK according to frac procedure A. SI well for 4 hours. Flow well back through 1/4" choke for 8 hours. Then increase choke size to 1/2". Flow well back until cleans up.
9. TIH w/ 2" tubing and tag for fill. Clean out if necessary. Land tubing at 3225' with SN off bottom. ND BOP. NU wellhead. Flow back well. SI and RDMOSU. Leave well SI approved for first delivery.

Amoco Production Company

ENGINEERING CHART

Sheet No _____ of _____

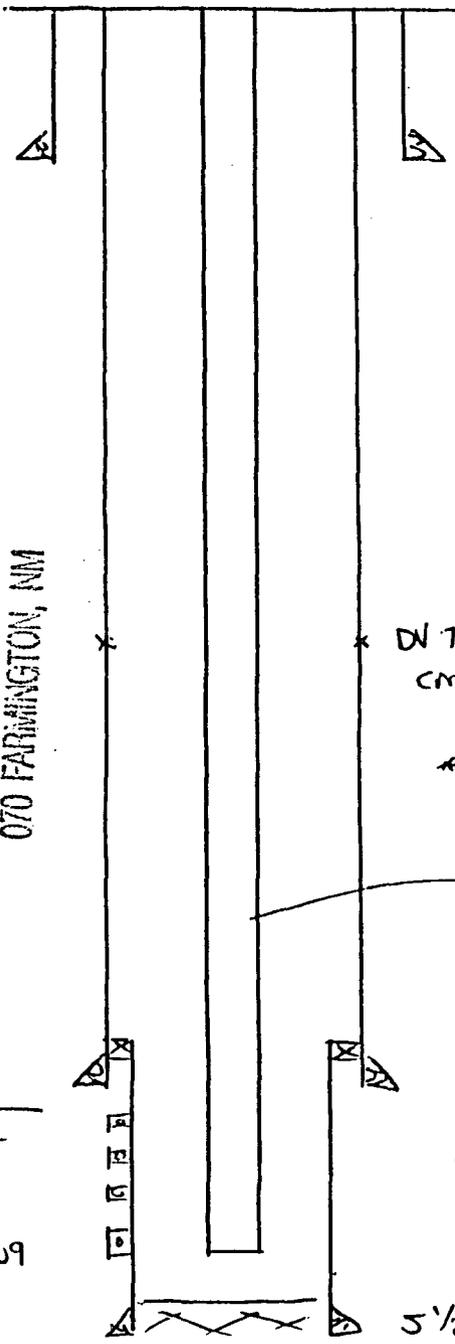
File _____

Appn _____

Date 12-29-94

By GMK

SUBJECT Michael A LS 5



10 3/4" CSA 172'
 32.75 # Amco S.W.
 CMT w/175 SXS - Circulated

WBW/Rev COMMENTS:
 most costly lease, EVAL
 For PRA

RECEIVED
 BLM
 95 AUG -8 PM 2:19
 070 FARMINGTON, NM

* DN Tool @ 2310'
 CMT: 75 SXS NEAT
 75 SXS POZ + 4% gel
 * TOC @ 1710' By Temp Survey

2" Tbg SA 4505'

PERFS
 4404 - 14
 4432 - 50
 4468 - 82
 4487 - 9509

7 5/8" CSA 4350'
 36.4 # J55
 CMT 1ST STAGE: 50 SXS NEAT
 50 SXS POZ + 4% gel
 50 SXS NEAT

PBD = 4631'
 5 1/2" LSA 4274' - 4681'
 15.5 # J55
 CMT w/ 50 SXS Regular
 50 SXS POmix + 2% gel
 TOC @ 4355 By Temp Survey

APPLICATION FOR APPROVAL OF UNORTHODOX LOCATION UNDER RULE 104-F

Michener A LS #5 Well

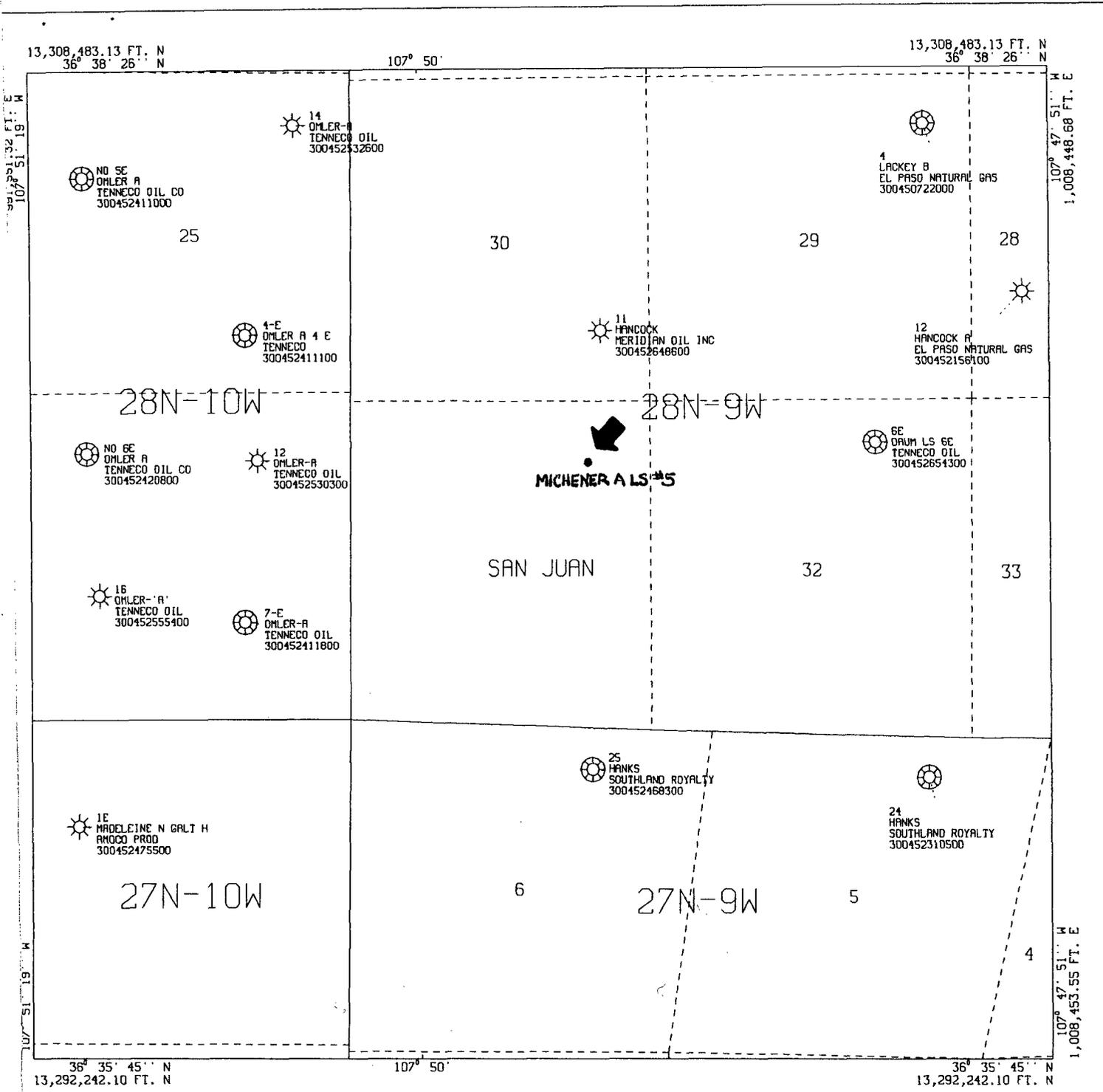
1090' FNL, 600' FEL

Section 31-T28N-R9W

Otero Chacra Pool

ATTACHMENTS:

- **9-SECTION PLAT SHOWING LOCATION OF ALL WELLS AND OFFSET OPERATORS**
- **FORM C-102 FOR OTERO CHACRA FORMATION**
- **ADMINISTRATIVE ORDER NSL - 87**
- **LIST OF ALL OFFSET OPERATORS AND THEIR ADDRESSES**



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
 PLAT MAP
 MICHENER A LS #5
 CHACRA HORIZON

SCALE 1 IN. = 2,000 FT. AUG 3, 1995

POLYCONIC CENTRAL MERIDIAN - 107° 49' 35" W LON
 SPHEROID - 6

HORIZONTAL DATUM NAD27

GNUJ3004--RUN#95215141645

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1997

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 APT Number 3004507059		1 Pool Code 72329		1 Pool Name Otero Chacra	
4 Property Code 000871		1 Property Name Michener A LS			1 Well Number #5
1 OGRID No. 000778		1 Operator Name Amoco Production Company			1 Elevation 6059'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	31	28N	9W		1090	North	600	East	San Juan

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

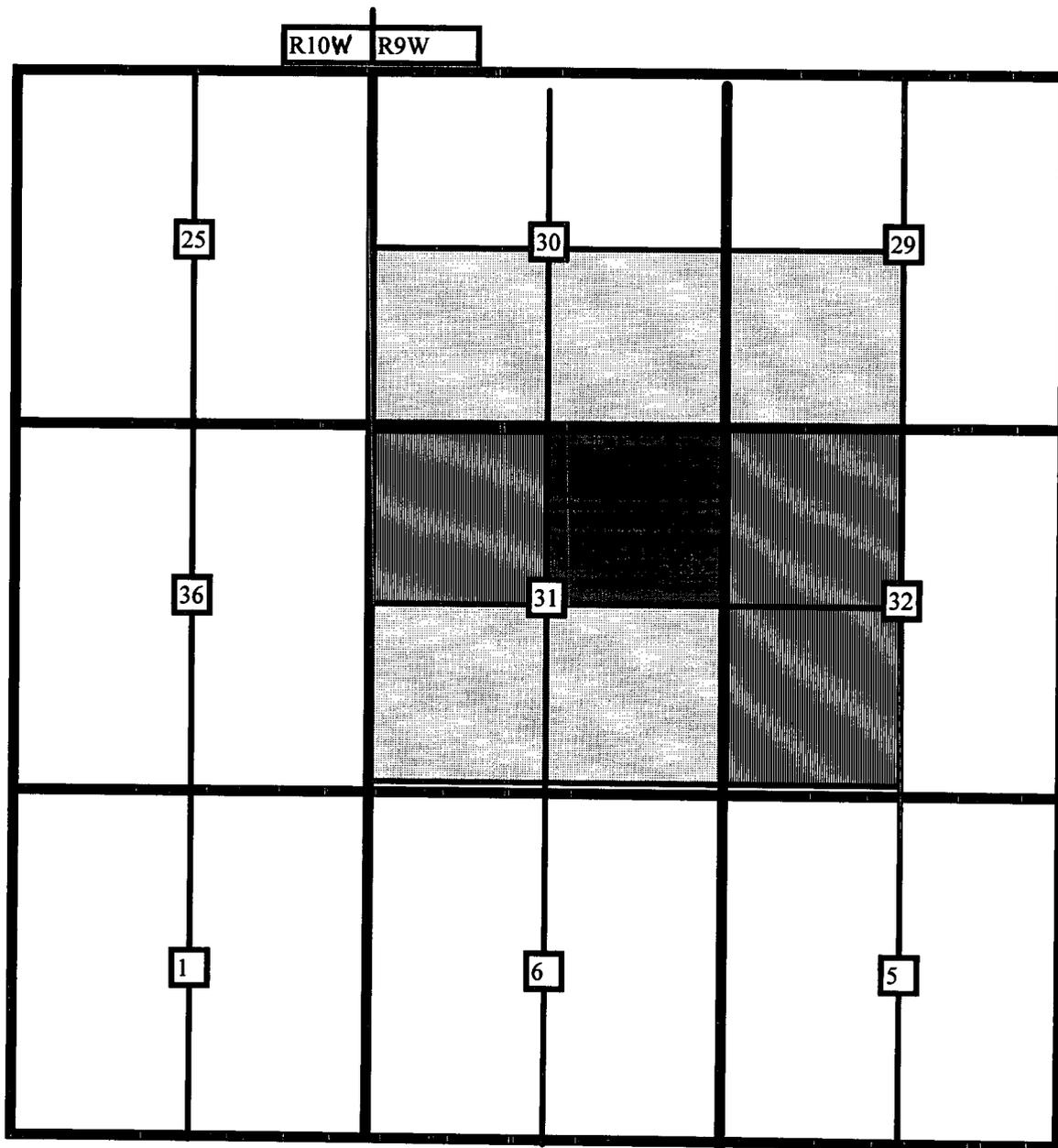
12 Dedicated Acres 160.00	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>16</p>	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Gail M. Jefferson</i></p> <p>Signature</p> <p>Gail M. Jefferson</p> <p>Printed Name</p> <p>Sr. Admin. Staff Asst.</p> <p>Title</p> <p>10/26/95</p> <p>Date</p>
	<p>18 SURVEYOR CERTIFICATION</p> <p>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 belief.</p> <p>December 18, 1956</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p>On File</p> <p>Certificate Number</p>

AMOCO PRODUCTION COMPANY OFFSET OPERATOR PLAT

**Michener A LS #5 Well
1090' FNL, 600' FEL, Section 31-T28N-R9W
Otero Chacra Pool**



SPACING UNIT TO BE DOWNHOLE COMMINGLED



AMOCO PRODUCTION COMPANY



MERIDIAN OIL INC.

LIST OF ADDRESSES FOR OFFSET OPERATORS

Michener A LS #5

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

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