



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

June 25, 1998

RECEIVED
JUL 1 1998
OIL CON. DIV.
DIST. 3

Williams Exploration and Production Company
P. O. Box 3102
Tulsa, Oklahoma 74101
Attention: Sterg Katirgis, Senior Engineer

Administrative Order NSL-4069

Dear Mr. Katirgis:

Reference is made to the following: (i) your original application filed with the Division on June 1, 1998; (ii) the Division's initial response to said application by letter from Mr. Michael E. Stogner, Engineer with the Division in Santa Fe, dated June 3, 1998; (iii) your telephone conversation with Mr. Stogner last week; (iv) your response by letter dated June 18, 1998; and, (v) the records of the Division in Santa Fe: all concerning Williams Exploration and Production Company's ("Williams") request for a non-standard Blanco-Mesaverde infill gas well location in an existing non-standard 223.28-acre gas spacing and proration unit ("GPU") for the Blanco-Mesaverde Pool (approved by Division Administrative Order NSP-1638-A, dated March 23, 1995) comprising Lots 1 through 4 and the W/2 E/2 (E/2 equivalent) of irregular Section 13, Township 31 North, Range 6 West, NMPM, Rio Arriba County, New Mexico. This GPU is currently dedicated to Williams' Rosa Unit Well No. 125-E (API No. 30-039-25526), located at a standard gas well location 1670 feet from the South line and 1035 feet from the East line (Unit J) of Section 13.

It is our understanding that the well to be considered in this application, the Rosa Unit Well No. 125 (API No. 30-039-25144), was drilled in 1991 by Amoco Production Company and completed in the Basin-Dakota Pool at an unorthodox gas well location (approved by Division Administrative Order NSP-1638(L), dated October 24, 1991) 970 feet from the North line and 1190 feet from the East line (Unit B) of Section 13. The nonproductive Basin-Dakota interval has been abandoned and the well has been recompleted up-hole into the Blanco-Mesaverde Pool.

Pursuant to the "*Special Rules and Regulations for the Blanco-Mesaverde Pool*," as promulgated by Division Order No. R-10987, the location of the Rosa Unit Well No. 125 is also unorthodox.

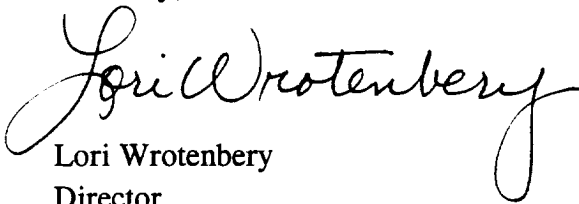
Administrative Order NSL-4069
Williams Exploration and Production Company
June 25, 1998
Page 2

This application has been duly filed under the provisions of Division Rules 104.F and 605.B of the Rules and Regulations of the New Mexico Oil Conservation Division ("Division").

By the authority granted me under the provisions of Division Rule 104.F(2), the above-described unorthodox Blanco-Mesaverde "infill" gas well location for the Rosa Unit Well No. 125 is hereby approved. Both of the aforementioned wells and GPU will be subject to all existing rules, regulations, policies, and procedures applicable to prorated gas pools in Northwest, New Mexico.

Further, all provisions of said Administrative Orders NSP-1638(L) and NSP-1638-A shall remain in full force and effect until further notice.

Sincerely,



Lori Wrotenbery
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Aztec /
U. S. Bureau of Land Management - Farmington
File: NSP-1638(L)
NSP-1638-A



ENERGY SERVICES
Exploration & Production

New Mexico Oil and Gas Conservation Commission
P.O. Box 2088
State Land Office Building
Santa Fe, NM 87504

RECEIVED
JUN 1 1998
OIL CON. DIV.
DIST. 3

Attention: Mike Stogner
Chief Hearing Examiner/Engineer

Re: Application for Non Standard Location
Rosa Unit #125 (Dakota): section 13, T31N, R6W

Dear Mr. Stogner,

Williams Exploration and Production Company is requesting administrative approval to recomplete this well which is located in a non standard location.

The existing well is located 970' FNL, 1190' FEL (Unit B), section 13, T31N, R6W, Rio Arriba County, New Mexico. In order to utilize this shut in wellbore, the non productive Dakota has been plugged and the well recompleted to the Mesaverde. See attached wellbore diagrams.

This well was drilled in an approved non standard location to the Dakota formation by Amoco Production Company in 1992. After testing, Amoco abandoned the Dakota formation. Williams, as Rosa Unit operator, now operates this well. Williams utilized this existing wellbore to develop Mesaverde reserves and minimize surface impacts.

There is another Mesaverde/Dakota dual well in the drill block, the Rosa Unit #125E, located in unit 1.

The offset acreage lies within the boundaries of the Rosa Unit. As Unit operator. WPX does not oppose the non standard location.

As per my conversations with Ernie Busch on March 22, 1998 and his subsequent review of this case with you, we have been given verbal approval to proceed. Ernie approved the C-104, Authorization to Transport, and we are proceeding accordingly to tie in the well.

If you have any questions please call me at (918)561-6250. Thank you for your help.

Sincerely,

Sterg Katirgis
Senior Engineer

File:nmocc-132

OIL CONSERVATION DIVISION

RECEIVED
BLM

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

31 OCT 15 PM 2:22

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

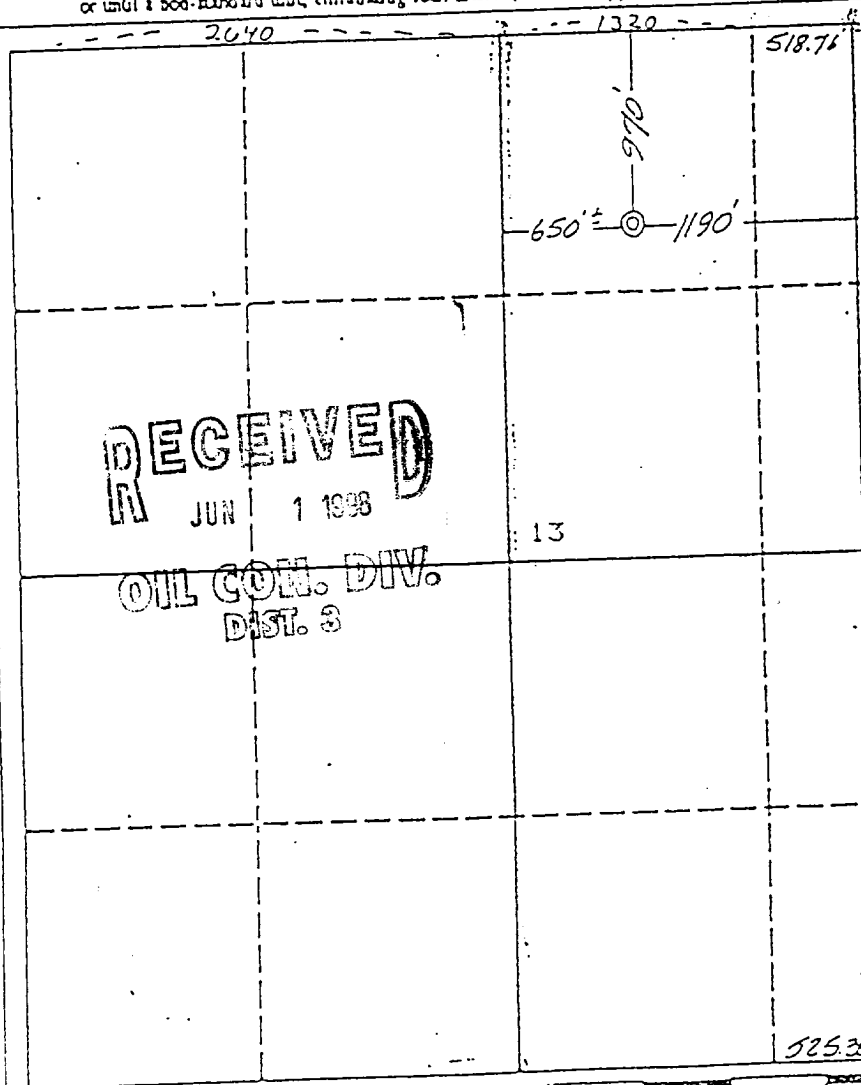
All Distances must be from the outer boundaries of the section

Operator AMOCO PRODUCTION COMPANY			Lease ROSA UNIT		Well No. #125
Unit Letter B	Section 13	Township 31 NORTH	Range 6 WEST	County RIO ARriba	
Actual Footage Location of Well: 970 feet from the NORTH line and 1190 feet from the EAST line					
Ground level Elev. 6491	Producing Formation		Pool	Dedicated Acreage: E/2 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 interest, 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

Printed Name

Position

Company

Date

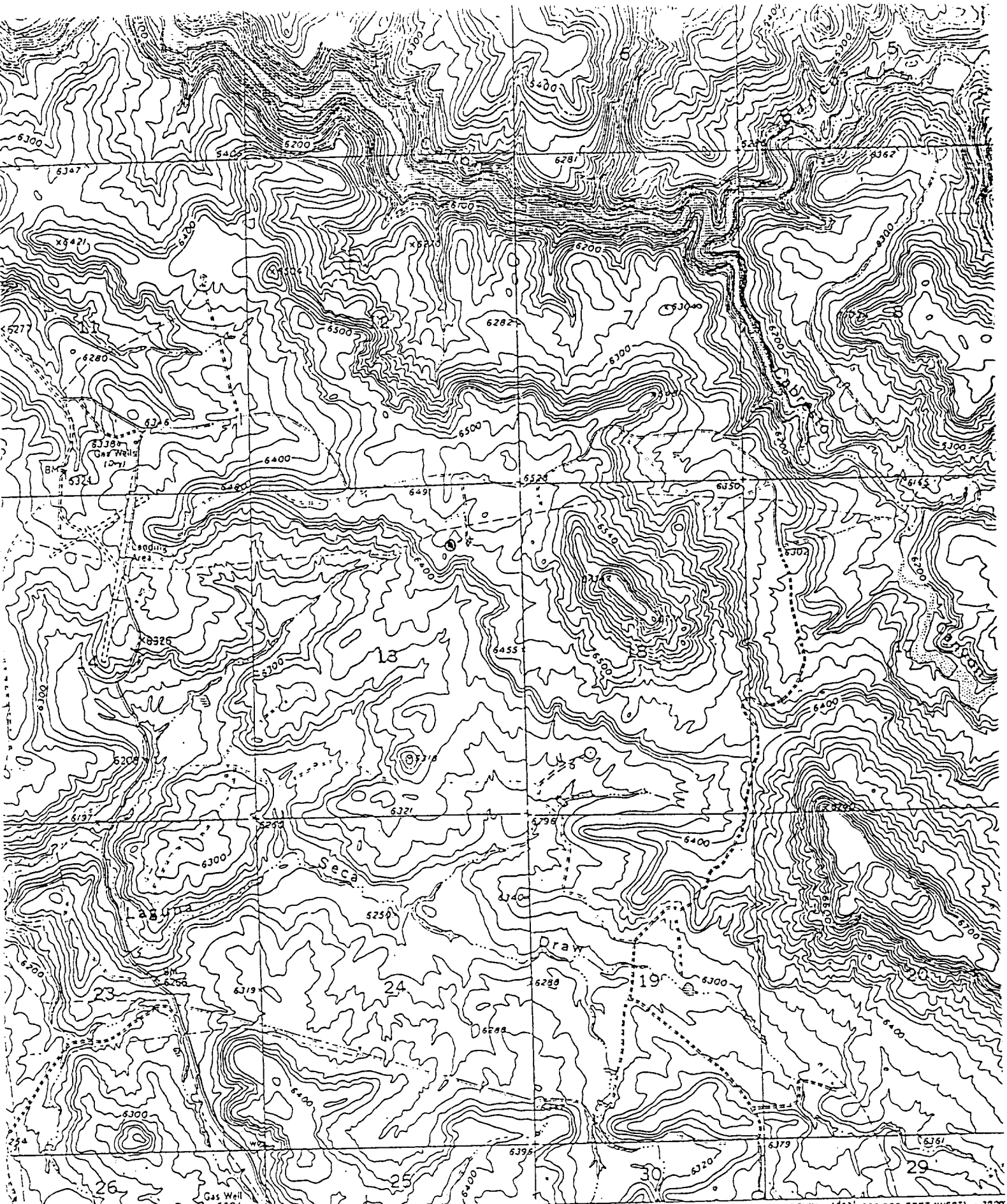
SURVEYOR CERTIFICATION

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 knowledge and belief.

Date Surveyed **September 9, 1991**

Signature & Seal of Professional Surveyor

GARY D. VANN
NEW MEXICO
REGISTERED PROFESSIONAL SURVEYOR
7016
Vann



RANCH SW 24000 20 MI. TO ... AMOCO PRODUCTION COMPANY # 125
ROSA UNIT
970' F/NL 1190' F/EL
13. T31N, R6W, NMPM
R 5 W INTERIOR GEOLOGICAL SURVEY, RESTON, VIRGINIA - 1983, 630 000 FEET (WEST) - 7330
ROAD CLASSIFICATION

ROSA UNIT #125 BLANCO MESAVERDE

970' FNL 1190' FEL
13-31N-6W
RIO ARRIBA, NM

Elevation: 6491' GR
KB: 15'

Ojo Alamo	2710'
Frutland	3170'
Pictured Cliffs	3427'
Lewis	3640'
Cliff House	5232'
Menefee	5582'
Point Lookout	5824'
Mancos	6151'
Graneros	7900'
Dakota	8008'

4/05/1998 - 4/24/1998

Plugged Dakota formation with 65 sx
class "H" below retainer and 10 sx above.

Perforate Lewis with 38 holes from 4798'
to 4894'. Frac with 84,480# 20/40 sand
in 453 BBIs slick water.

Perforate Cliff House/Menefee 22 holes
from 5234' to 5554'. Frac with 78,540#
20/40 Arizona sand in 2226 BBIs slick
water.

Perforate Point Lookout 28 holes from
5803' to 6067'. Frac with 82,000# 20/40
Arizona sand in 2136 BBIs slick water.

Lewis perms:
4798'- 4894'

CH/Menefee perms:
5234'- 5554'

Point Lookout perms:
5803'-6067'

Dakota perms:
7942'-8174'

PBTD 8230'

TD: 8242'

10-3/4", 40.5#, K-55 @ 416'.
Cement with 400 sx. TOC @ surface

Liner top @ 2524'

DV tool @ 2760'

2-3/8" ,4.7#, J-55, 8rd, EUE @ 4895'

7-5/8", 24.6#, K-55 @ 4225'.
Cement 1st stage with 555 sx, 2nd stage with 950 sx. TOC
@ surface. 9-7/8" hole

3 squeeze holes @ 4900'. Squeezed with 70 sx cmt.

3 squeeze holes @ 5120'. Squeezed with 50 sx cmt.

Cement retainer @ 7881'.

4-1/2", 11.6#, N-80 @ 8242'.
Cement with 875 sx. Sq TOL with 320 sx. Liner hanger did not
set. No returns while cementing. 6-3/4" hole
Liner 2524' to 8242'

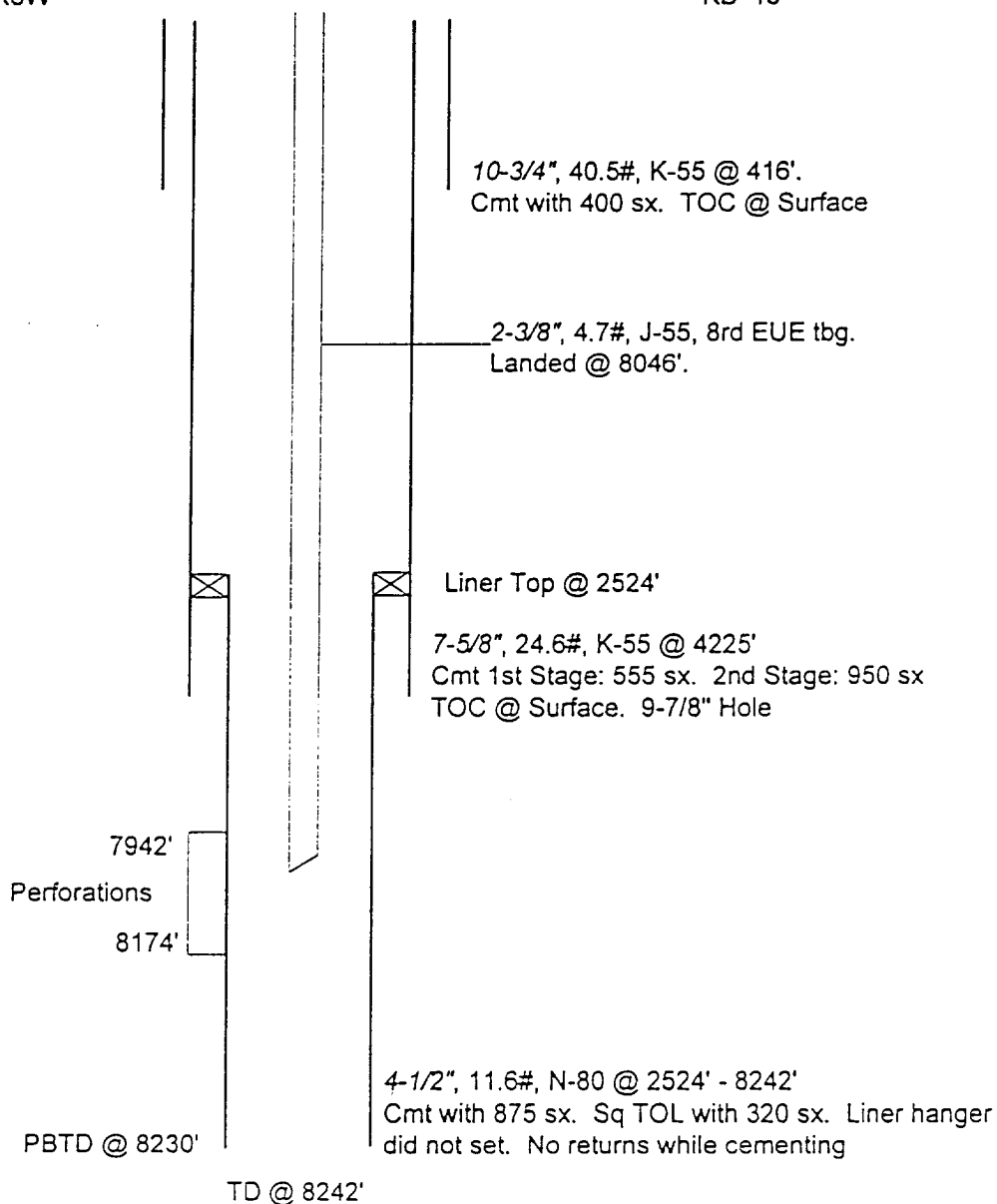
ROSA UNIT #125

BASIN DAKOTA

970' FNL 1190' FEL
NE/4 NE/4 SEC 13A T31N R6W
Rio Arriba Co, NM

Elevation: 6491' GR
KB 15'

Ojo Alamo	2710'
Fruitland	3170'
Pictured Cliffs.	3427'
Lewis	3640'
Cliff House	5232'
Menefee	5582'
Point Lookout	5824'
Mancos	6151'
Graneros	7900'
Dakota	8008'





NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

June 3, 1998

Williams Exploration and Production Company
P. O. Box 3102
Tulsa, Oklahoma 74101

RECEIVED
JUN 4 1998
OIL CON. DIV.
DIST. 3

Attention: Sterg Katirgis

Re: Application for administrative approval for a non-standard Blanco-Mesaverde infill gas well location in an existing gas spacing and proration unit for its existing Rosa Unit Well No. 125 (API No. 30-039-25144), located 970 feet from the North line and 1190 feet from the East line (Unit B) of Section 13, Township 31 North, Range 6 West, NMPM, Blanco-Mesaverde Pool, Rio Arriba County, New Mexico.

Dear Mr. Katirgis:

I am returning the subject application as incomplete. In carrying out my duties in properly preparing an administrative order for the Director's signature in this matter (please refer to Division Administrative Order NSL-3293-A, dated May 20, 1997 as an example), information on all Blanco-Mesaverde producing gas wells within the subject gas spacing and proration unit ("GPU") is needed. This includes well names, well numbers, API numbers, complete location descriptions, and in particular reference to all previous orders related to this particular well, other applicable Blanco-Mesaverde producing wells, and non-standard gas spacing and proration unit ("GPU") approval.

Other items that will be needed to complete this application are:

- (a) Administrative Application Coversheet;
- (b) Current C-102 and other applicable forms concerning Williams' recompletion of this well to the Blanco-Mesaverde Pool;
- (c) A map of the Rosa Unit and the Blanco-Mesaverde participating area;
- (d) A plat that shows and identifies all mineral interests (WI, ORRI, and RI) in the affected offsetting acreages and verification and proof that all have ratified the Rosa Unit Agreement;
- (e) Site all applicable rules and regulations that apply to this pool, its spacing, and the well location exception process (note R-8170, as amended, is no longer in effect); and,

Williams Exploration and Production Company

June 3, 1998

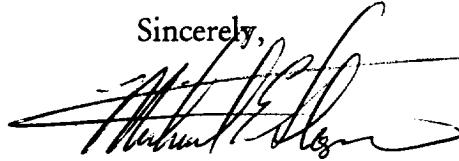
Page 2

(f) Provide me a properly prepared rough draft order that sites all related previously approved orders, the rules allowing the Division to process this application, the correct land descriptions and acreage amounts, and a return address.

I had in the past researched this and similar information and included it in previous orders; however, due to our work load, time constraints, and in the Division's attempt to speed up and streamline our processes, I can no longer afford the time to provide this luxury. In the future the applicant must take full responsibility of their application and provide all information required to complete an application. Any deletion of necessary data may result in an application being delayed, returned, and/or set to hearing.

Until such time as a complete and properly filed application is submitted by Williams Exploration and Production Company and an official written order is issued from the Division Director in this matter, the Rosa Unit Well No. 125 is to be and remain shut-in.

Sincerely,



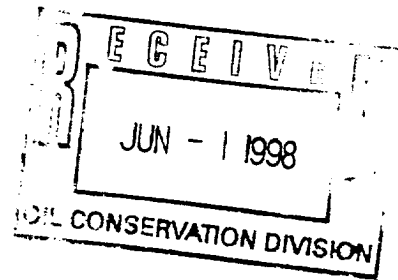
Michael E. Stogner
Chief Hearing Officer/Engineer

cc: New Mexico Oil Conservation Division - Aztec
Lori Wrotenbery, Director - NMOCD, Santa Fe
Kathy Valdes, NMOCD - Santa Fe



ENERGY SERVICES
Exploration & Production

NSL 6/22/98



New Mexico Oil and Gas Conservation Commission
P.O. Box 2088
State Land Office Building
Santa Fe, NM 87504

Attention: Mike Stogner
Chief Hearing Examiner/Engineer

Re: Application for Non Standard Location
Rosa Unit #125 (Dakota): section 13, T31N, R6W

Dear Mr. Stogner,

Williams Exploration and Production Company is requesting administrative approval to recomplete this well which is located in a non standard location.

The existing well is located 970' FNL, 1190' FEL (Unit B), section 13, T31N, R6W, Rio Arriba County, New Mexico. In order to utilize this shut in wellbore, the non productive Dakota has been plugged and the well recompleted to the Mesaverde. See attached wellbore diagrams.

This well was drilled in an approved non standard location to the Dakota formation by Amoco Production Company in 1992. After testing, Amoco abandoned the Dakota formation. Williams, as Rosa Unit operator, now operates this well. Williams utilized this existing wellbore to develop Mesaverde reserves and minimize surface impacts.

There is another Mesaverde/Dakota dual well in the drill block, the Rosa Unit #125E, located in unit I.

The offset acreage lies within the boundaries of the Rosa Unit. As Unit operator, WPX does not oppose the non standard location.

As per my conversations with Ernie Busch on March 22, 1998 and his subsequent review of this case with you, we have been given verbal approval to proceed. Ernie approved the C-104, Authorization to Transport, and we are proceeding accordingly to tie in the well.

If you have any questions please call me at (918)561-6250. Thank you for your help.

Sincerely,

Sterg Katirgis

Sterg Katirgis
Senior Engineer

- no cover sheet
- no address
- no reference to previous studies
- formation not not indicated / size unknown
- Unit #125E
- verify that all interests (WI, OVRAI, and RI)
- have notified the Unit Agreement
- site all offset wells and regulations
- furnish a rough draft plan.
File: no cd-132

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-107
Revised 1-1-89

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BLM

91 OCT 15 PM 2:22

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator AMOCO PRODUCTION COMPANY			Lease ROSA UNIT		Well No. #125
Unit Letter B	Section 13	Township 31 NORTH	Range 6 WEST	County NMPM	RIO ARriba
Actual Footage Location of Well: 970 feet from the NORTH line and 1190 feet from the EAST line					
Ground level Elev. 6491	Producing Formation		Pool	Dedicated Acreage: E/2 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 interest, 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

Printed Name

Position

Company

Date

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 knowledge and belief.

Date Surveyed **September 9, 1991**

Signature & Seal of
Professional Surveyor

GARY D. VANN
NEW MEXICO
REGISTERED
7016
Vann

Certification No.
7016

RECEIVED
JUN 4 1998
OIL CON. DIV
DIST. 3

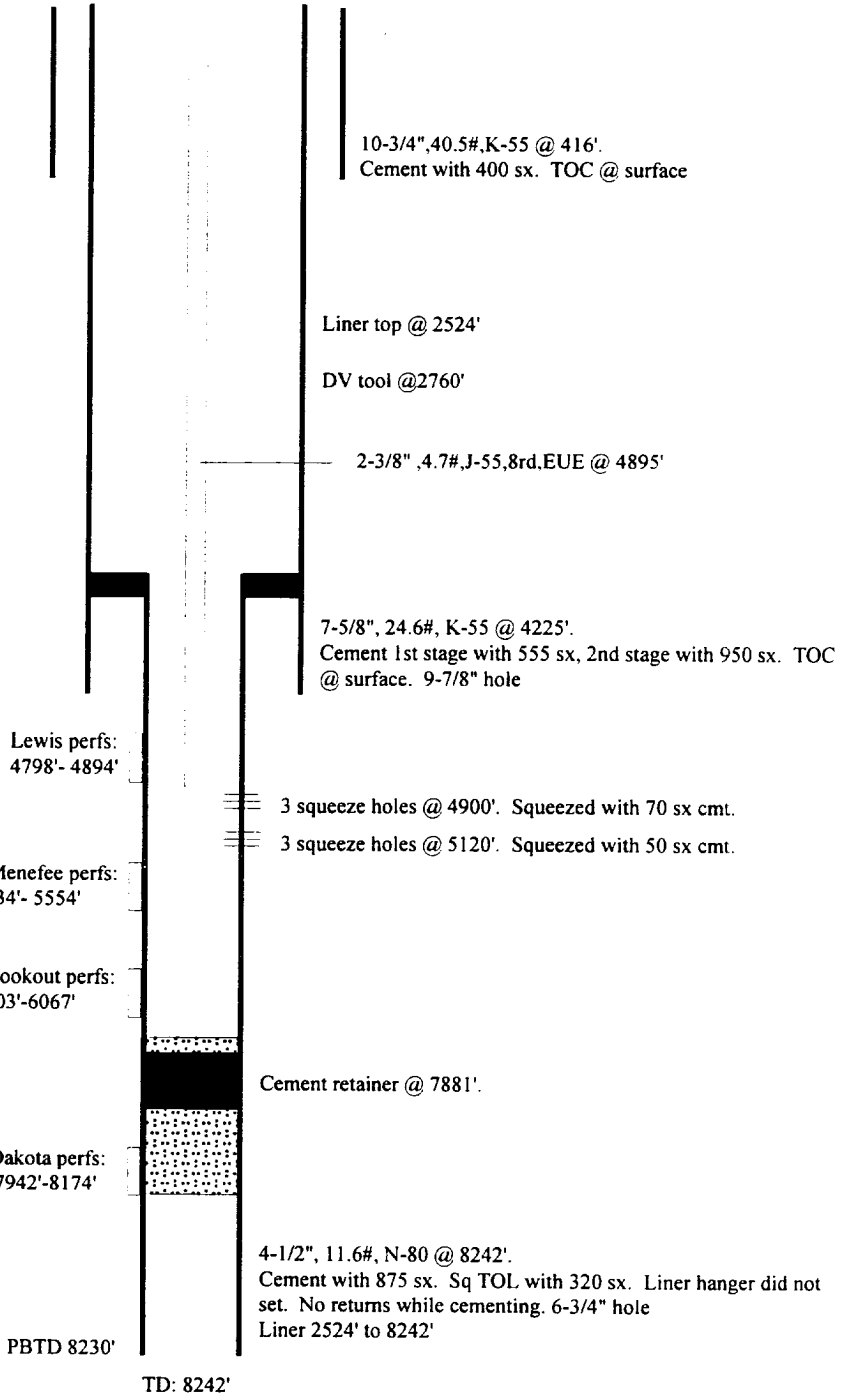
525.36

ROSA UNIT #125 **BLANCO MESAVERDE**

970' FNL 1190' FEL
 13-31N-6W
 RIO ARRIBA, NM

Elevation: 6491' GR
 KB: 15'

Ojo Alamo	2710'
Frutland	3170'
Pictured Cliffs	3427'
Lewis	3640'
Cliff House	5232'
Menefee	5582'
Point Lookout	5824'
Mancos	6151'
Graneros	7900'
Dakota	8008'



4/05/1998 - 4/24/1998

Plugged Dakota formation with 65 sx
 class "H" below retainer and 10 sx above.

Perforate Lewis with 38 holes from 4798'
 to 4894'. Frac with 84,480# 20/40 sand
 in 453 BBIs slick water.

Perforate Cliff House/Menefee 22 holes
 from 5234' to 5554'. Frac with 78,540#
 20/40 Arizona sand in 2226 BBIs slick
 water.

Perforate Point Lookout 28 holes from
 5803' to 6067'. Frac with 82,000# 20/40
 Arizona sand in 2136 BBIs slick water.

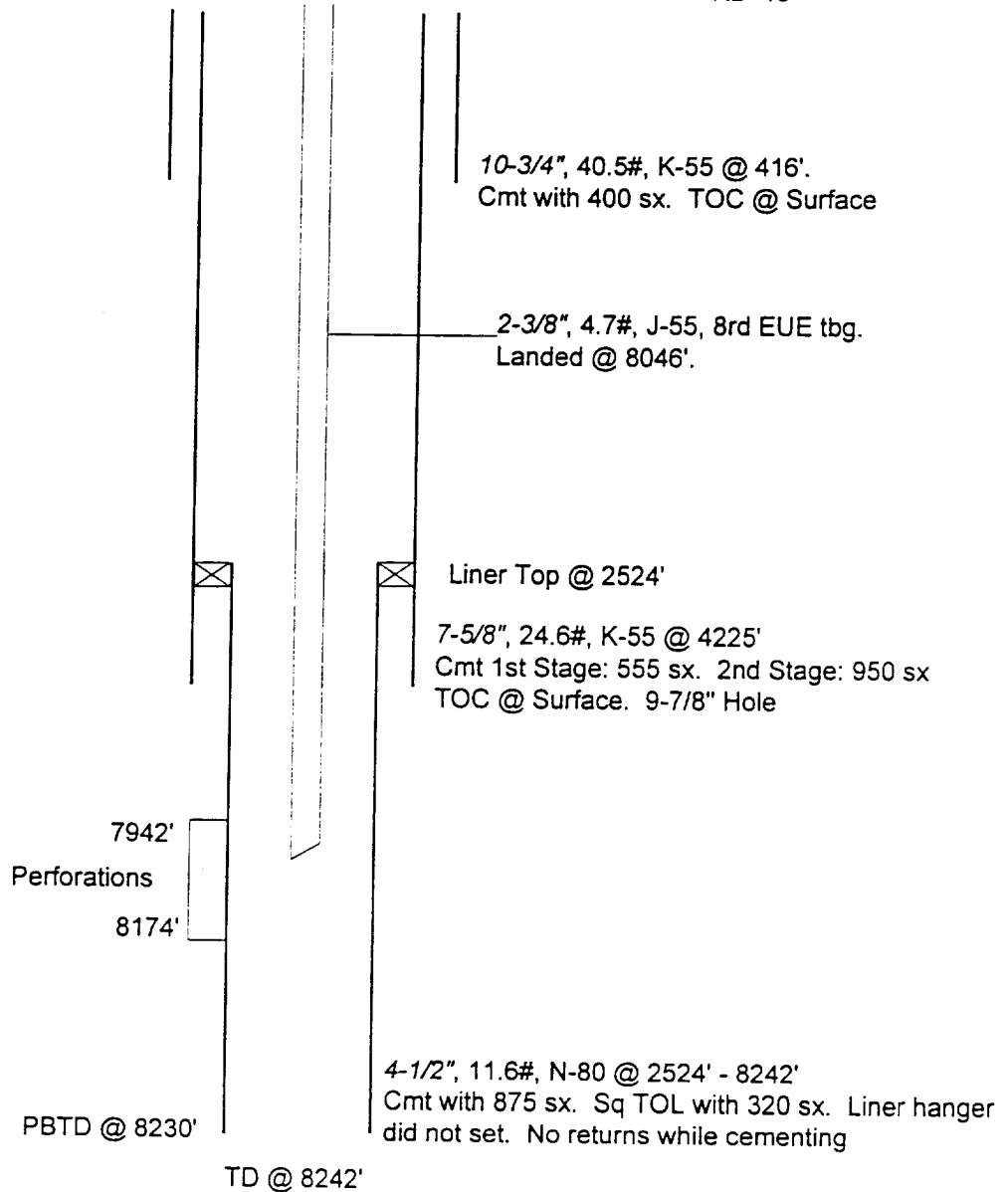
ROSA UNIT #125

BASIN DAKOTA

970' FNL 1190' FEL
NE/4 NE/4 SEC 13A T31N R6W
Rio Arriba Co, NM

Elevation: 6491' GR
KB 15'

Ojo Alamo	2710'
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Pictured Cliffs	3427'
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Menefee	5582'
Point Lookout	5824'
Mancos	6151'
Graneros	7900'
Dakota	8008'



DATE IN	SUSPENSE	ENGINEER	LOGGED BY	TYPE
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
 2040 South Pacheco, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATION FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
[DD-Directional Drilling] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling
☐ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Certification

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. **I understand that any omission of data (including API numbers, pool codes, etc.), pertinent information and any required notification is cause to have the application package returned with no action taken.**

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Print or Type Name	Signature	Title	Date
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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

May 20, 1997

Williams Production Company
P.O. Box 3102
Tulsa, Oklahoma 74101
Attention: Streg Katirgis

Administrative Order NSL-3293-A

Dear Mr. Katirgis:

Reference is made to your application dated April 30, 1997 for a non-standard Blanco-Mesaverde gas well location for your existing Rosa Unit Well No. 132 (API No. 30-039-25314) which was drilled in 1993 to a total depth of 8,376 feet by Amoco Production Company and completed in the Basin-Dakota Pool at an unorthodox gas well location (approved by Division Administrative Order NSL-3293, dated August 10, 1993) 640 feet from the South line and 950 feet from the West line (Unit M) of Section 22, Township 31 North, Range 5 West, NMPM, Rio Arriba County, New Mexico.

It is our understanding that said well is currently a producing gas well in the Basin-Dakota Pool and upon issuance of this order will be recompleted up-hole into the Blanco-Mesaverde Pool. Further, said location, pursuant to the "*General Rules For The Prorated Gas Pools of New Mexico/Special Rules and Regulations For The Blanco-Mesaverde Pool*", as promulgated by Division Order No. R-8170, as amended, is also unorthodox. Further, the W/2 of said Section 22 shall be dedicated to the well to form a standard 320-acre gas spacing and proration unit for said pool.

By the authority granted me under the provisions of Rule 2(d) of said special pool rules, the above-described unorthodox gas well location is hereby approved.

All provisions of said Division Administrative Order NSL-3293 shall be placed in abeyance until further notice.

Sincerely,

A handwritten signature in black ink, appearing to read "William J. LeMay".

William J. LeMay
Director

WJL/MES/kv

cc: Oil Conservation Division - Aztec
U. S. Bureau of Land Management - Farmington
File: NSL-3293