



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

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regulations that apply to this pool, its spacing, and the well location exception process (note R-8170, as amended, is no longer in effect); and,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

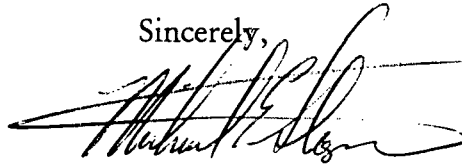
Page 2

(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,

A handwritten signature in black ink, appearing to read "Michael E. Stogner", written over a horizontal line.

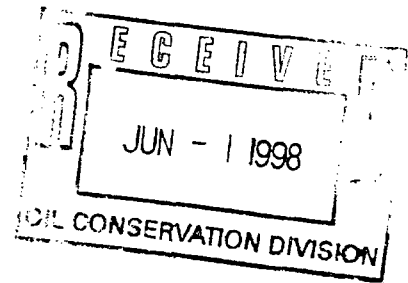
Michael E. Stogner
Chief Hearing Officer/Engineer

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 recompleting 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

Sterg Katirgis
Senior Engineer

- no cover sheet
- no address
- no references to previous studies
- formation and not indicated / size unknown
- Un-subsurface
- verify that all interests (WI, OVRAT, and RI)
- have notified the Unit Agreement
- site all official rules and regulations
- provide a rough draft plan.
File: mdocd-132

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-107
Revised 1-1-89

OIL CONSERVATION DIVISION

RECEIVED
BLM

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

91 OCT 15 PM 2:22

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

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

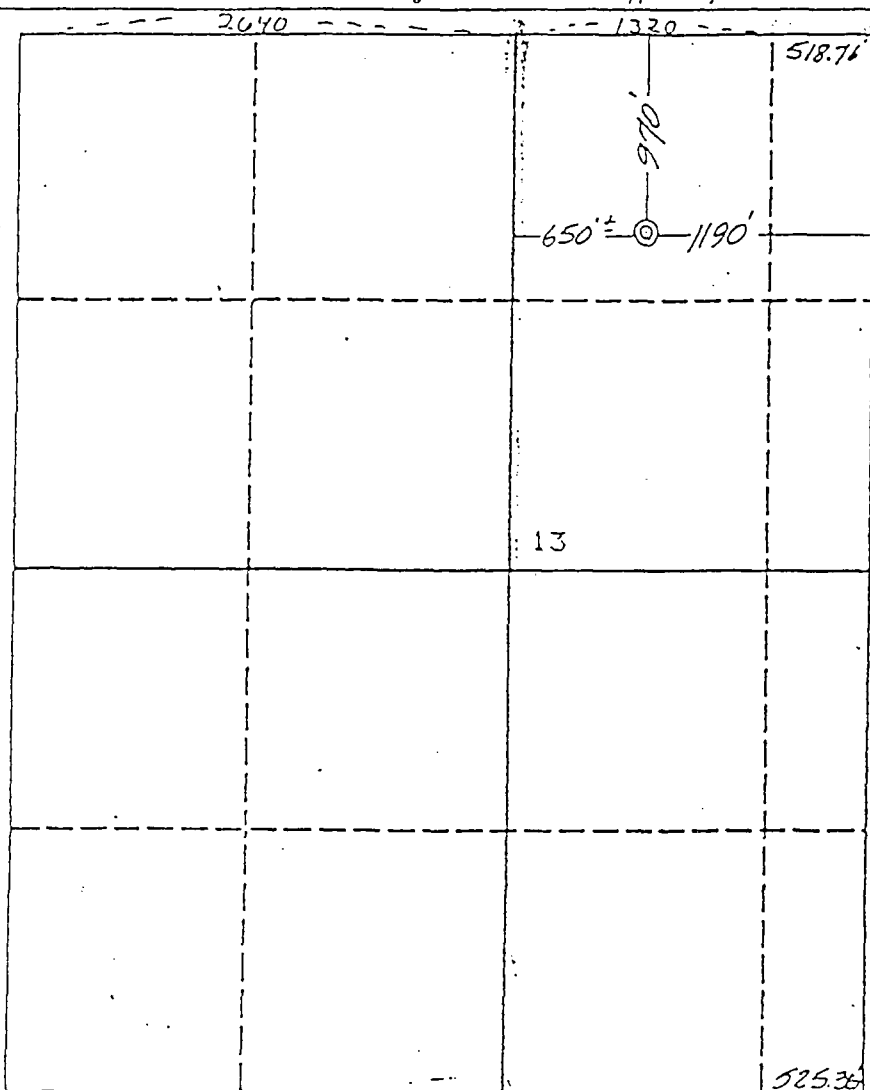
WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

WASHINGTON, N.M.

Operator AMOCO PRODUCTION COMPANY			Lease ROSA UNIT		Well No. # 125
Unit Letter B	Section 13	Township 31 NORTH	Range 6 WEST	County NMNM	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 communalization, 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 communalization, 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

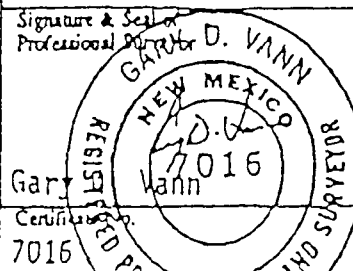
Date

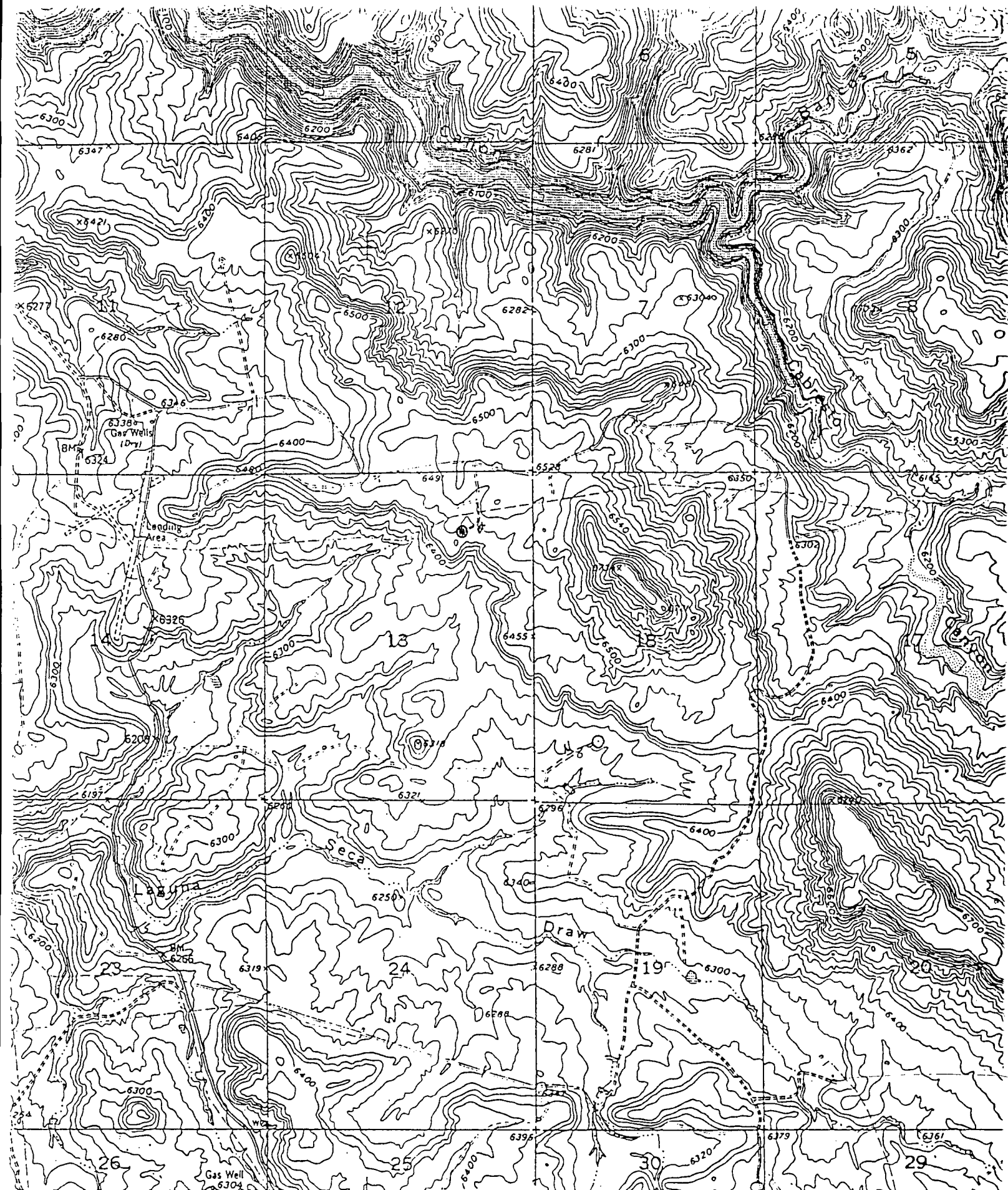
SURVEYOR CERTIFICATION

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





RANCH SW 24000
 20 MI. TO
 AMOCO PRODUCTION COMPANY
 ROSA UNIT # 125
 970' F/NL 1190' F/EL
 17 T31N. R6W, NMPM
 R 5 W INTERIOR-GEOLOGICAL SURVEY, RESTON, VIRGINIA-1483, 630 000 FEET (WEST) 7880
 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 perfs:
4798'- 4894'

CH/Menefee perfs:
5234'- 5554'

Point Lookout perfs:
5803'-6067'

Dakota perfs:
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'

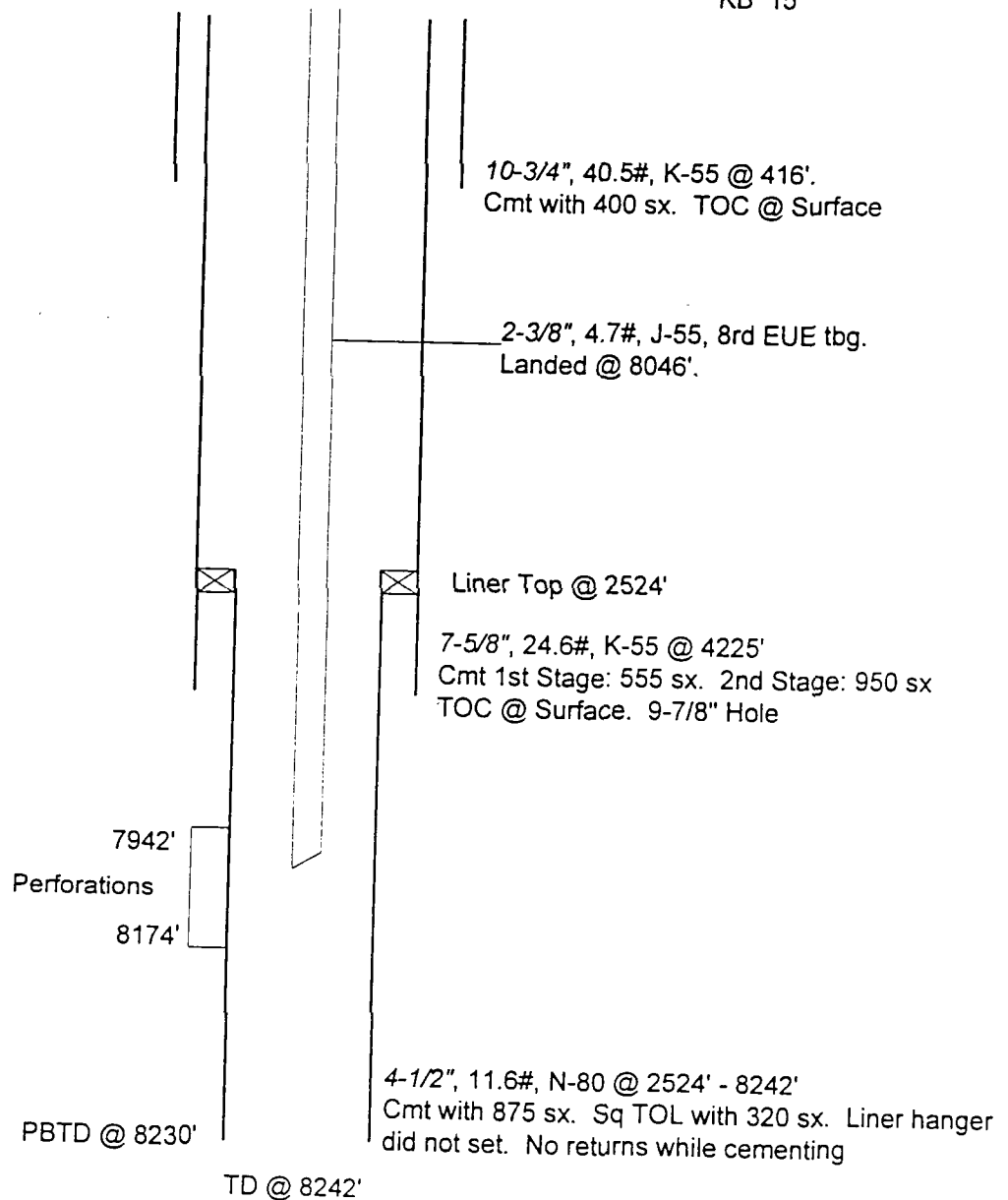
ROSA UNIT #125

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'



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



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:

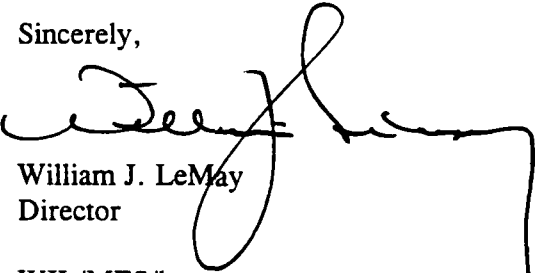
Reference is made to your application dated April 30, 1997 for a non-standard Blanco-Mesaverde gas well location for your existing Rosa Unit Well No. 132 (API No. 30-039-25314) which was drilled in 1993 to a total depth of 8,376 feet by Amoco Production Company and completed in the Basin-Dakota Pool 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,



William J. LeMay
Director

WJL/MES/kv

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

DATE IN 6-25-98	SUSPENSE NA	ENGINEER MS	LOGGED BY	TYPE NSL
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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



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[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]**

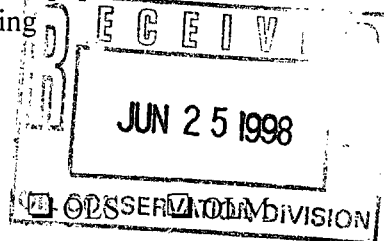
[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [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

- [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,
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[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.

<u>Sterg Katirgis</u>	<u>Sterg Katirgis</u>	<u>Senior Engineer</u>	<u>6/18/98</u>
Print or Type Name	Signature	Title	Date



Exploration & Production
One Williams Center, P.O. Box 3102, MS 37-2, Tulsa OK 74101

8185

6/18/98

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

Attention: Michael Stogner
Chief Hearing Examiner/Engineer

Re: Application for Non Standard Blanco-Mesaverde infil gas well location in an existing gas spacing and proration unit for the existing Rosa Unit #125 (API No. 30-039-25144), located 970' FNL and 1190' FEL (Unit B) of section 13, T31N, R6W, NMPM, Blanco-Mesaverde Pool, Rio Arriba County, NM.

Dear Mr. Stogner,

As per our telephone conversation Monday, June 15, 1998, I am sending the information you requested; C-102, unit boundary map, approved Sundry Notice, and the Administrative Application Cover Sheet.

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

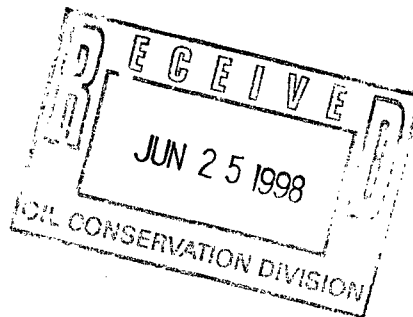
Williams would like to utilize this existing wellbore to develop Mesaverde reserves and minimize surface impacts.

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

Thank you again for your help. My number is (918) 561-6250.

Sincerely,

Sterg Katirgis
Senior Engineer



In Lieu of
Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

RECEIVED
07 JAN 30 PM 12:11

SUBMIT IN TRIPLICATE

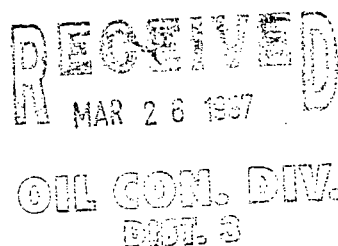
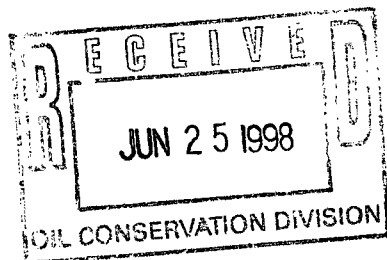
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	070 FARMINGTON, NM	5. Lease Designation and Serial No. SF-078767
2. Name of Operator WILLIAMS PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. PO BOX 3102-MS 37-4, TULSA, OK 74101 (918) 588-4592		7. If Unit or CA, Agreement Designation ROSA UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 970' FNL & 1190' FEL, NW/4 NE/4 SEC 13B-31N-6W		8. Well Name and No. ROSA UNIT #125
		9. API Well No. 30-039-25144
		10. Field and Pool, or Exploratory Area BASIN DAKOTA-71599
		11. County or Parish, State RIO ARRIBA, NM

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	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<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.)*

Williams Production Company proposes to P&A the existing non-productive Dakota interval and recomplete this well to the Mesaverde formation as per the attached procedure.



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

Signed Susan Griguhn
SUSAN GRIGUHN

Title CLERK

Date January 28, 1997

(This space for Federal or State office use)

Approved by [Signature]

Title _____

MAR 24 1997

Conditions of approval, if any:

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.

*See Instruction on Reverse Side

NWCCD

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

RECEIVED
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97 JAN 30 PM 12:11

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos, Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

070 FARMINGTON, NM

Operator WILLIAMS PRODUCTION COMPANY		Lease ROSA UNIT		Well No. #125
Unit Letter B	Section 13	Township 31 North	Range 6 West	County RIO ARRIBA

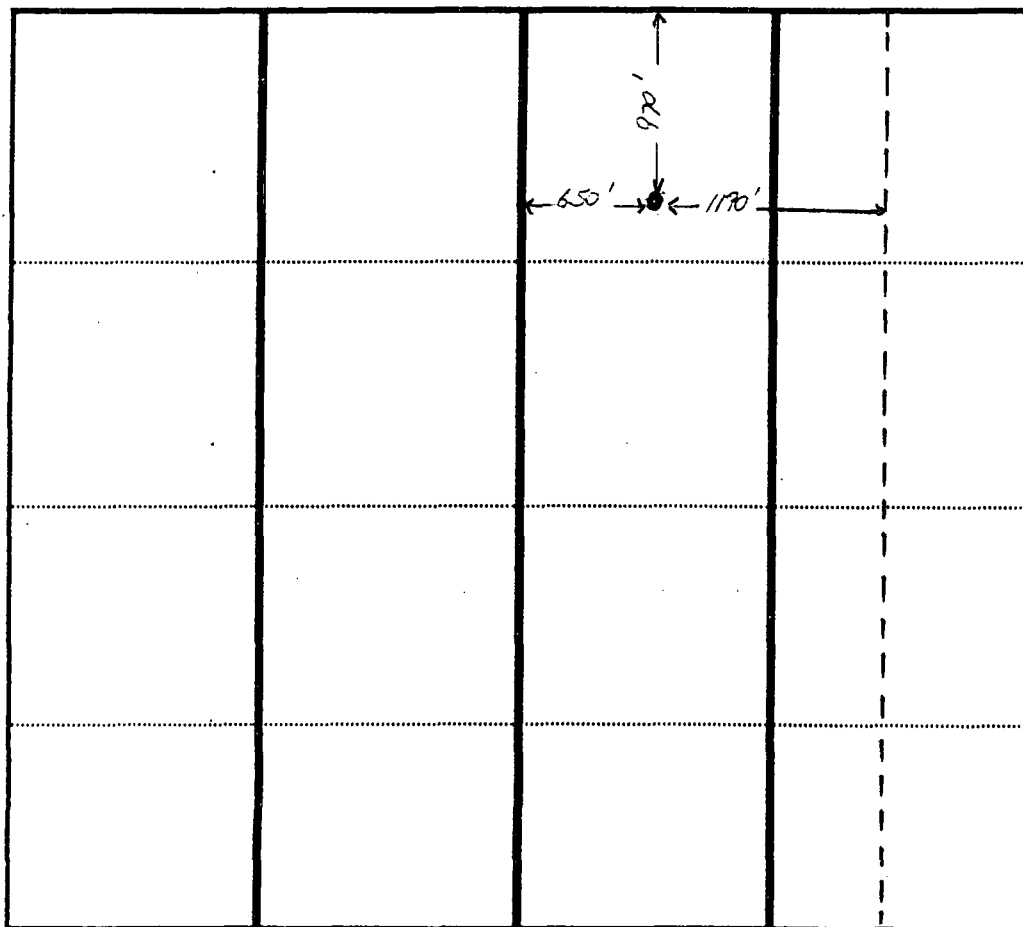
Actual Footage Location of Well:

970 feet from the NORTH line and 1190 feet from the EAST line

Ground level Elev. 6491'	Producing Formation Mesaverde	Pool Blanco	Dedication Acreage: 223.28 E/2
------------------------------------	---	-----------------------	--

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

Susan Griguin

Position

Clerk

Company

WILLIAMS PRODUCTION CO.

Date

January 25, 1997

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

Signature & Seal of
Professional Surveyor

Certification No.

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-107
Revised 1-1-87

RECEIVED
BLM

OIL CONSERVATION DIVISION

RECEIVED
BLM

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

P.O. Box 2088

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

97 JAN 30 PM 12:34 Santa Fe, New Mexico 87504-2088

91 OCT 15 PM 2:22

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

070 FARMWELL LOCATION

LOCATION AND ACREAGE DEDICATION PLAT

WASHINGTON, N.M.

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 DAKOTA	Pool	Dedicated Acreage: E/2 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

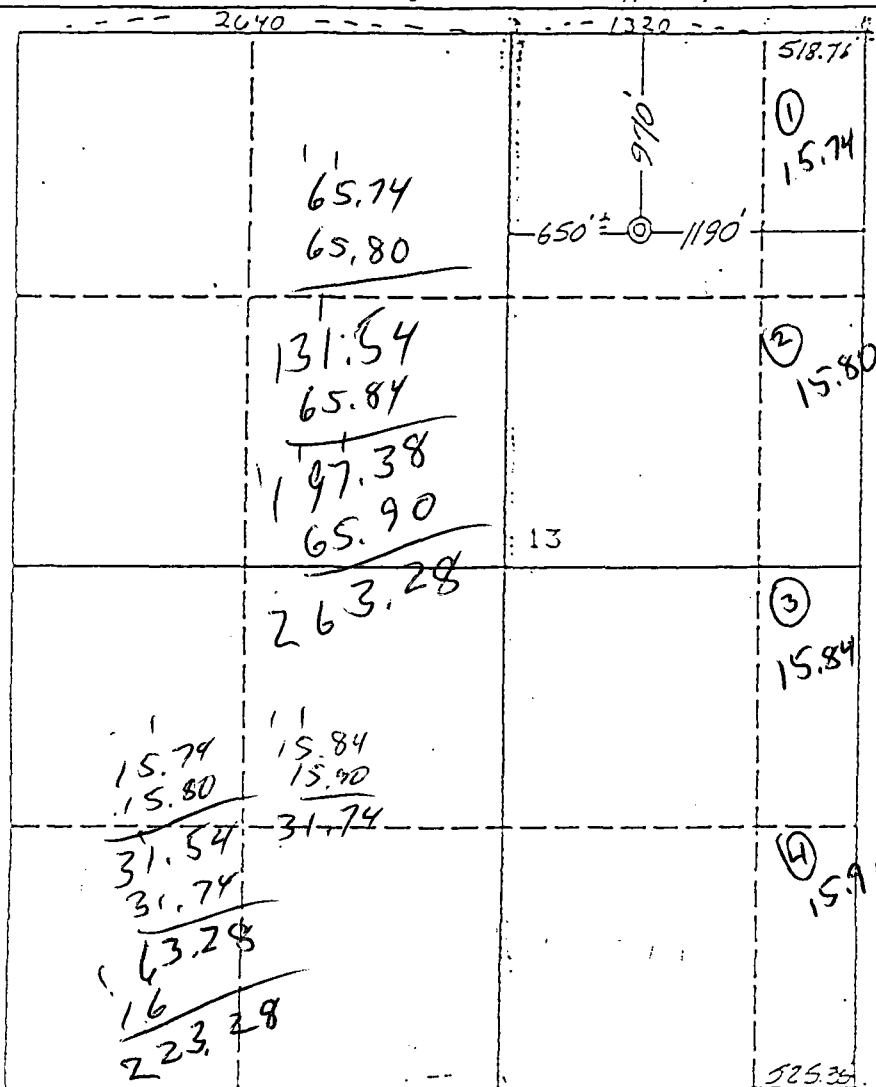
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☐ 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, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

RECEIVED
JUN 25 1998
OIL CONSERVATION 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

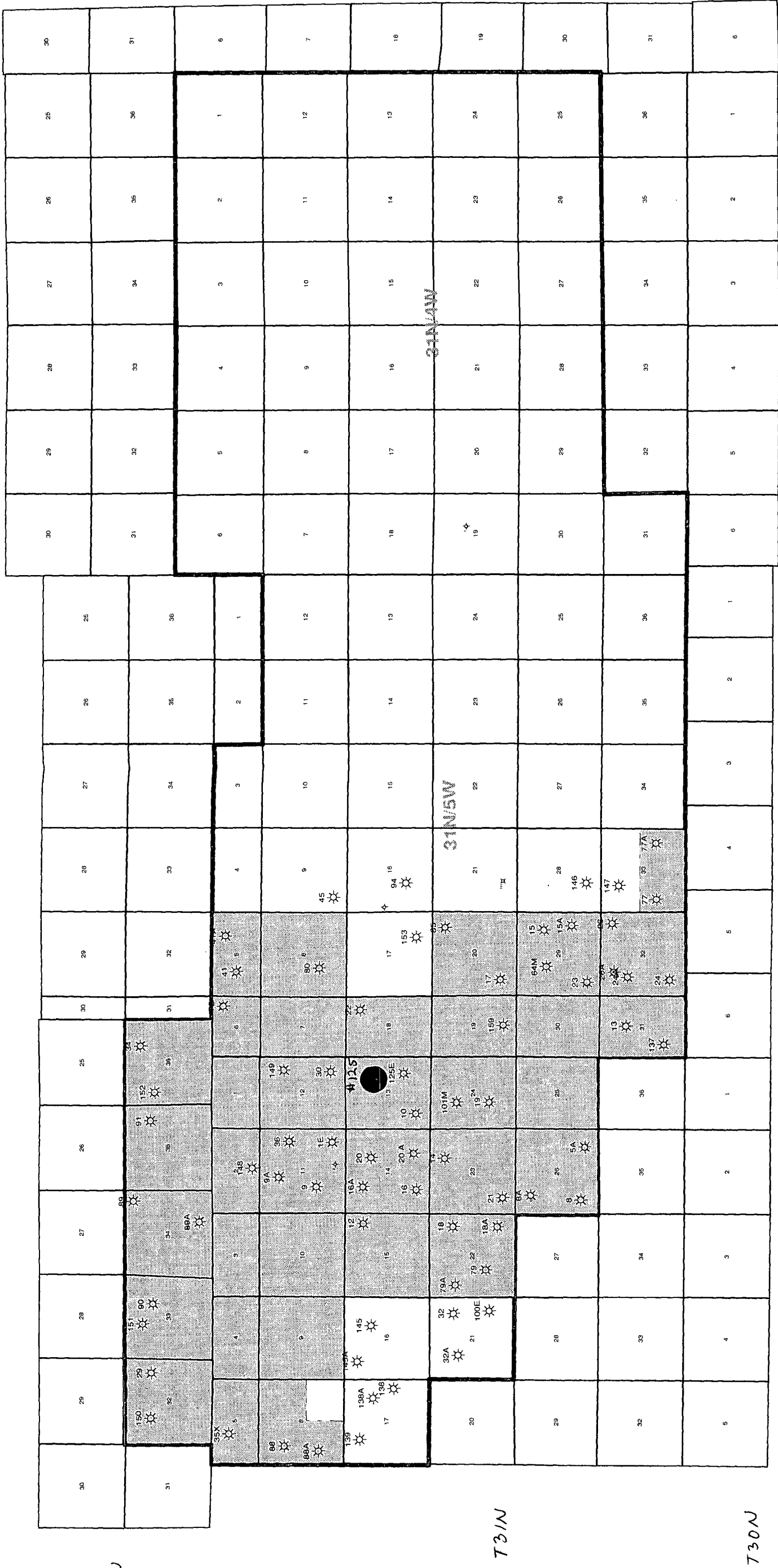
SURVEYOR CERTIFICATION

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
Professional Surveyor


GARY D. VANN
NEW MEXICO
REGISTERED
7016
Vann
CERTIFIED
7016
LAND SURVEYOR



MESAVERDE PARTICIPATING AREA

R5W

R4W



ROS A UNIT
MESAVERDE FORMATION WELLS

	6/15/98
	GES7.7.3(winprod)
Scale 1:80444.88	



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

March 23, 1995

Northwest Pipeline Corporation
c/o Walsh Engineering & Production Corporation
7415 East Main
Farmington, New Mexico 87402

Attention: Paul C. Thompson

Administrative Order NSP-1638-A

Dear Mr. Thompson:

Reference is made to your application dated March 9, 1995, on behalf of the operator, Northwest Pipeline Corporation, for a 223.28-acre non-standard gas proration unit consisting of the following acreage in the Blanco-Mesaverde Pool:

RIO ARriba COUNTY, NEW MEXICO
TOWNSHIP 31 NORTH, RANGE 6 WEST, NMPM

Section 13: Lots 1 through 4 and the W/2 E/2 (E/2 equivalent)

It is my understanding that this unit is to be dedicated to your Rosa Unit Well No. 125-E to be drilled at a standard gas well location 1670 feet from the South line and 1035 feet from the East line (Unit J) of said Section 13.

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR



October 24, 1991

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

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

Attention: J.W. Hawkins

Administrative Order NSP-1638(L)

Dear Mr. Hawkins:

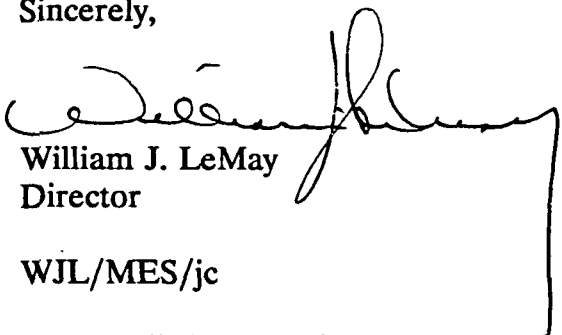
Reference is made to your application dated September 20, 1991 for a 223.28-acre non-standard gas proration unit consisting of the following acreage in the Basin Dakota Pool:

RIO ARriba COUNTY, NEW MEXICO
TOWNSHIP 31 NORTH, RANGE 6 WEST, NMPM
Section 13: Lots 1 through 4 and the W/2 E/2 (E/2 equivalent)

It is my understanding that this unit is to be dedicated to your Rosa Unit Well No. 125 to be drilled at an unorthodox gas well location 970 feet from the North line and 1190 feet from the East line (Unit B) of said Section 13.

By authority granted me under the provisions of Rules 2(a)4 and 2(c) of the Special Rules and Regulations for the Basin Dakota Pool as promulgated by Division Order No. R-8170, as amended, the above non-standard gas proration unit and unorthodox gas well location is hereby approved.

Sincerely,


William J. LeMay
Director

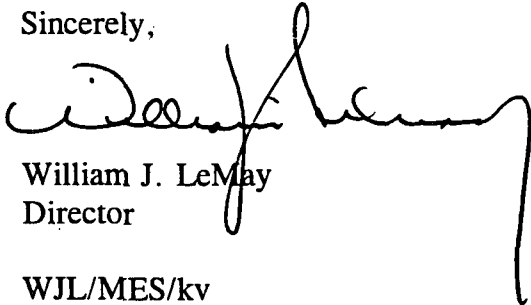
WJL/MES/jc

cc: Oil Conservation Division - Aztec
U.S. BLM - Farmington

Administrative Order NSP-1638-A
Northwest Pipeline Corporation
March 23, 1995
Page 2

By authority granted me under the provisions of Rule 2(a)4 of the Special Rules and Regulations for the Blanco-Mesaverde Pool as promulgated by Division Order No. R-8170, as amended,, the above-described non-standard gas proration unit is hereby approved.

Sincerely,



William J. LeMay
Director

WJL/MES/kv

cc: Oil Conservation Division - Aztec
Bureau of Land Management - Farmington
File: NSP-1638(L) ✓

REMARKS: It is our understanding that this well is also to be completed in the Basin-Dakota Pool as an infill well to the existing Rosa Unit Well No. 125 (API No. 30-039-25144), which is currently completed on an existing non-standard gas spacing and proration unit comprising the same acreage as described above and approved by Division Administrative Order NSP-1638(L), dated October 24, 1991.

CORRECTION

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other
instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO.
SF-078767

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>				6. IF INDIAN, ALLOTTEE OR			
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>				7. UNIT AGREEMENT NAME ROSA UNIT (00017033)			
2. NAME OF OPERATOR WILLIAMS PRODUCTION COMPANY				8. FARM OR LEASE NAME, WELL NO. ROSA UNIT #125E			
3. ADDRESS AND TELEPHONE NO. P.O. BOX 3102 MS 37-3 TULSA, OK 74101 (918) 561-6678				9. API WELL NO. 30-039-25526			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* 1670' FSL & 1035' FEL At Surface At top production interval reported below At total depth:				10. FIELD AND POOL, OR WILDCAT BASIN DAKOTA 71599			
				14. PERMIT NO.		DATE ISSUED	
				12. COUNTY OR PARISH RIO ARriba		13. STATE N MEXICO	
15. DATE SPUNDED 06/18/95		16. DATE T.D. REACHED 06/28/95		18. ELEVATIONS (DK, RKB, RT, GR, ETC.)* 6345' GR		19. ELEVATION CASINGHEAD 6345'	
20. TOTAL DEPTH, MD & TVD 8120'		21. PLUG, BACK T.D., MD & TVD 8087'		22. IF MULTICOMP., HOW MANY		23. INTERVALS DRILLED BY	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* BASIN DAKOTA 7916' TO 8069'				25. WAS DIRECTIONAL SURVEY MADE YES			
26. TYPE ELECTRIC AND OTHER LOGS RUN CASED HOLE: GR/CCL/CBL OPEN HOLE: IND/GR/CDL/CNL				27. WAS WELL CORED NO			
28. CASING REPORT (Report all strings set in well)							
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD			AMOUNT PULLED
10-3/4"H-40	32.75#	339'	13-3/4"	215 SX	266 cu.ft.	SURFACE	
7-5/8"K-55	26.4#	3615'	9-7/8"	860 SX	1382 cu.ft.	SURFACE	
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2"N-80		8120'	450 SX (617 cu.ft.)		1-1/2", 2.9#	8082'	6200'
31. PERFORMANCE RECORD (Interval, size, and number) Dakota 7916' - 8069': 7916', 22', 28', 64', 70' 76', 82', 88', 95', 8011', 35', 43', 49', 55', 62' & 8069'. Total of 16 holes.				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
				7916'		8069'	
						103,480# 20/40 SAND	
						583 BBLS OF 30# X-LINK GEL	
33. PRODUCTION							
DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) FLOWING				WELL STATUS (PRODUCING OR SHUT IN) SHUT IN	
DATE OF TEST 10/11/95	HOURS TESTED 3 HR. IP	CHOKE SIZE 3/4"	PROD'N FOR TEST PERIOD-----	OIL - BBL. 0	GAS - MCF 170	WATER - BBL. 0	GAS-OIL RATIO N/A
FLOW TUBING PRESS 97#	CASING PRESSURE N/A	CALCULATED 24-HOUR RATE----- IP FLOWING PRESSURES		OIL - BBL. 0	GAS - MCF 1356	WATER - BBL. N/A	OIL GRAVITY-API (CORR.)
34. DOF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD						TEST WITNESSED BY CHIK CHARLEY	
35. LIST OF ATTACHMENTS: LOGS, SUMMARY OF POROUS ZONES, DEVIATION REPORT & WELLBORE DIAGRAM.							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED BOB MC ELHATTAN <i>Bob McElhattan</i>				TITLE SR PRODUCTION ANALYST		DATE November 15, 1995	

37.	FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS		
						TOP	MEASURED DEPTH	TRUE VERTICAL DEPTH
TOPS:								
OJO ALAMO	2450'	2553'						
KIRTLAND	2553'	2961'						
FRUITLAND	2961'	3204'						
PICTURED CLIFFS	3204'	3501'						
LEWIS	3501'	5410'						
CLIFF HOUSE	5410'	5460'						
MENEFEE	5460'	5677'						
POINT LOOKOUT	5677'	5914'						
MANCOS	5914'	7726'						
GREENHORN	7726'	7781'						
GRANEROS	7781'	7894'						
DAKOTA	7894'	N.A.						
TD	8120'							

CORRECTION

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other
instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO.
SF-078767

WELL NO. 27 AM 8 52
WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____				6. IF INDIAN, ALLOTTEE OR			
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____				7. UNIT AGREEMENT NAME ROSA UNIT (00017033)			
2. NAME OF OPERATOR WILLIAMS PRODUCTION COMPANY				8. FARM OR LEASE NAME, WELL NO. ROSA UNIT #125E			
3. ADDRESS AND TELEPHONE NO. P.O. BOX 3102 MS 37-3 TULSA, OK 74101 (918) 561-6678				9. API WELL NO. 30-039-25526			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* 1670' FSL & 1035' FEL At Surface At top production interval reported below At total depth:				10. FIELD AND POOL, OR WILDCAT BLANCO MESAVERDE 72319			
				11. SEC., T.R.M., OR BLOCK AND SURVEY OR AREA NE/4 SE/4 SEC. 13, T31N R6W			
14. PERMIT NO.		DATE ISSUED		12. COUNTY OR PARISH RIO ARRIBA		13. STATE N MEXICO	
15. DATE SPUNDED 06/18/95		16. DATE T.D. REACHED 06/28/95		17. DATE COMPLETED (READY TO PRODUCE) 09/22/95		18. ELEVATIONS (DK, RKB, RT, GR, ETC.)* 6345' GR	
19. ELEVATION CASINGHEAD 6345'							
20. TOTAL DEPTH, MD & TVD 8120'		21. PLUG, BACK T.D., MD & TVD 8087'		22. IF MULTICOMP., HOW MANY		23. INTERVALS DRILLED BY	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* BLANCO MESAVERDE 5425' TO 6096'				25. WAS DIRECTIONAL SURVEY MADE YES			
26. TYPE ELECTRIC AND OTHER LOGS RUN CASED HOLE: GR/CCL/CBL OPEN HOLE: IND/GR/CDL/CNL				27. WAS WELL CORED NO			

CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD			AMOUNT PULLED
10-3/4" H-40	32.75#	339'	13-3/4"	215 SX	266 cu.ft.	SURFACE	
7-5/8" K-55	26.4#	3615'	9-7/8"	860 SX	1382 cu.ft.	SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2" N-80		8120'	450 SX (617 cu.ft.)		1-1/4", 2.33#	6046'	6200'

31. PERFORMANCE RECORD (Interval, size, and number)

Point Lookout: 5687, 93', 96', 5701', 04', 07', 13', 22', 27', 30', 33', 39', 54', 65', 69', 85', 5803', 27', 33', 42', 78', 5907', 11', 31', 35', 52', 85', 6010', 59', 94', & 6096'. Total of 31 holes.

Menefee/ Cliffhouse: 5425', 27', 29', 30', 64', 81', 83', 87', 93', 95', 97', 99', 5502', 21', 34', 45', 61', 73', 75', 77', 99', 5607', 11', 13', 49', 58', 71', & 5673'. Total of 28 (0.32") holes.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
5425'	5673'	85,000# 20/40 SAND	701 BBLS OF LINEAR GEL
5687'	6096'	106,000# 20/40 SAND	750 BBLS OF LINEAR GEL

33. PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) FLOWING				WELL STATUS (PRODUCING OR SHUT IN) SHUT IN	
DATE OF TEST 10/11/95	HOURS TESTED 3 HR. IP	CHOKE SIZE 3/4"	PROD'N FOR TEST PERIOD-----	OIL - BBL. 0	GAS - MCF 123	WATER - BBL. 0	GAS-OIL RATIO N/A
FLOW TUBING PRESS 99#	CASING PRESSURE 964#	CALCULATED 24-HOUR RATE----- IP FLOWING PRESSURES		OIL - BBL. 0	GAS - MCF 1393	WATER - BBL. N/A	OIL GRAVITY-API (CORR.)
34. DOF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD						TEST WITNESSED BY CHIK CHARLEY	

35. LIST OF ATTACHMENTS: LOGS, SUMMARY OF POROUS ZONES, DEVIATION REPORT & WELLBORE DIAGRAM.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED BOB MC ELHATTAN



TITLE SR PRODUCTION ANALYST

DATE November 15, 1995

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):					38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP		TRUE ✓ VERTICAL DEPTH	
					NAME	MEASURED DEPTH		
TOPS:								
OJO ALAMO	2450'	2553'						
KIRTLAND	2553'	2961'						
FRUITLAND	2961'	3204'						
PICTURED CLIFFS	3204'	3501'						
LEWIS	3501'	5410'						
CLIFF HOUSE	5410'	5460'						
MENEFEE	5460'	5677'						
POINT LOOKOUT	5677'	5914'						
MANCOS	5914'	7726'						
GREENHORN	7726'	7781'						
GRANEROS	7781'	7894'						
DAKOTA	7894'	N.A.						
TD	8120'							

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

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

CONNECTION

Form C-104

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

5 Copies

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address WILLIAMS PRODUCTION COMPANY P.O. BOX 3102 MS 37-3 TULSA. OK 74101 (918) 561-6678		² OGRID Number 120782
		³ Reason for Filing Code NW
⁴ API Number 30-039-25526	⁵ Pool Name BASIN DAKOTA	⁶ Pool Code
⁷ Property Code	⁸ Property Name ROSA UNIT	⁹ Well Number #125E

II. ¹⁰ Surface Location

Ul or lot no. J	Section 13	Township 31N	Range 6W	Lot Idn	Feet from the 1670'	North/South Line SOUTH	Feet from the 1035'	East/West line EAST	County RIO ARriba
--------------------	---------------	-----------------	-------------	---------	------------------------	---------------------------	------------------------	------------------------	----------------------

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID 9018	¹⁹ Transporter Name and Address GIANT REFINING P.O. BOX 1299 SCOTTSDALE, AZ 85267	²⁰ POD 2816342	²¹ O/G O	²² POD ULSTR Location and Description J 33 31N 5W
025244	WILLIAMS FIELD SERVICES ATTN: GLENNA BITTON PO BOX 58900 2M?	2816343	G	

IV. Produced Water

²³ POD 2816344	²⁴ POD ULSTR Location and Description
------------------------------	--

V. Well Completion Data

²⁵ Spud Date 6/18/95	²⁶ Ready Date 9/22/95	²⁷ TD 8120'	²⁸ PETD 8087'	²⁹ Perforations 7916' TO 8069'
³⁰ Hole Size 13-3/4"	³¹ Casing & Tubing Size 10-3/4" 32.75# H-40	³² Depth Set 339'	³³ Sacks Cement 215 SX (3874 CU.FT.)	
9-7/8"	7-5/8" 26.4# K-55	3615'	860SX (1554' CU.FT.)	
6-3/4"	5-1/2" 17# N-80	8120'	450 SX (591' CU.FT.)	
1-1/2" 2.9# J-55		8062'	N/A	

VI. Well Test Data

³⁴ Date New Oil	³⁵ Gas Delivery Date	³⁶ Test Date 10-11-95	³⁷ Test Length 3 HOURS	³⁸ Tbg. Pressure 1064	³⁹ Csg. Pressure N/A
⁴⁰ Choke Size 3/4"	⁴¹ Oil	⁴² Water	⁴³ Gas 1356	⁴⁴ AOF 1367	⁴⁵ Test Method IP TEST

"I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Bob McElhatten*

Printed name: BOB MC ELHATTAN

Title: SR. PRODUCTION ANALYST

Date: November 9, 1995

Phone: (918) 561-6678

Approved by:

Title:

Approval Date:

OIL CONSERVATION DIVISION

SUPERVISOR OF OIL FIELD #3

NOV 14 1995

"If this is a change of operator fill in the OGRID number and name of the previous operator

NORTHWEST PIPELINE COMPANY

Previous Operator Signature

Printed Name

Title

Date

CORRECTION

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-104

Revised February 21, 1994

Instructions on back

Submit to: Appropriate District Office

5 Copies

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

OIL CONSERVATION DIVISION
RECEIVED
95 NOV 20 11 52 AM
AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address WILLIAMS PRODUCTION COMPANY P.O. BOX 3102 MS 37-3 TULSA. OK 74101 (918) 561-6678		² OGRID Number 120782
		³ Reason for Filing Code NW
4. API Number 30-039-25526	⁴ Pool Name BLANCO MESAVERDE	⁵ Pool Code 72319
⁷ Property Code 17622	⁸ Property Name ROSA UNIT	⁹ Well Number #125E

II. ¹⁰ Surface Location

UL or lot no. J	Section 13	Township 31N	Range 6W	Lot Idn	Feet from the 1670'	North/South Line SOUTH	Feet from the 1035'	East/West line EAST	County RIO ARriba
---------------------------	----------------------	------------------------	--------------------	---------	-------------------------------	----------------------------------	-------------------------------	-------------------------------	-----------------------------

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
9018	GIANT REFINING	2816339	O	J 33 31N 5W
	P.O. BOX 1299 SCOTTSDALE, AZ 85267			
025244	WILLIAMS FIELD SERVICES	2816340	G	
	ATTN: GLENNA BITTON PO BOX 58900 2M?			

IV. Produced Water

²³ POD 2816341	²⁴ POD ULSTR Location and Description
-------------------------------------	--

V. Well Completion Data

²⁵ Spud Date 6/20/95	²⁶ Ready Date 9/07/95	²⁷ TD 8235'	²⁸ PBDT 8214'	²⁹ Perforations 5425' TO 6069'
³⁰ Hole Size	³¹ Casing & Tubing Size	³² Depth Set	³³ Sacks Cement	
13-3/4"	10-3/4" 32.75# H-40	339'	215 SX (266 CU.FT.)	
9-7/8"	7-5/8" 26.4# K-55	3615'	860 SX (1382' CU.FT.)	
6-3/4"	5-1/2" 17# N-80	8120'	450 SX (617 CU.FT.)	
	1-1/4" 2.33# J-55	6046'	N/A	

VI. Well Test Data

³⁴ Date New Oil	³⁵ Gas Delivery Date	³⁶ Test Date 10-11-95	³⁷ Test Length 3 HOURS	³⁸ Tbg. Pressure 1017	³⁹ Csg. Pressure 1076
⁴⁰ Choke Size 3/4"	⁴¹ Oil	⁴² Water	⁴³ Gas 1393	⁴⁴ AOF 4742	⁴⁵ Test Method IP TEST

⁴⁶ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Bob Mc Elhattan*

Printed name: BOB MC ELHATTAN

Title: SR. PRODUCTION ANALYST

Date: November 9, 1995

Phone: (918) 561-6678

OIL CONSERVATION DIVISION

Approved by: *[Signature]*

Title:

Approval Date:

SUPERVISOR DISTRICT # 3

NOV 14 1995

⁴⁷ If this is a change of operator fill in the OGRID number and name of the previous operator

NORTHWEST PIPELINE COMPANY

Previous Operator Signature

Printed Name

Title

Date

(See other
instructions on
reverse side)

5. LEASE DESIGNATION AND LEASE NO.
SF-078767

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____
b. TYPE OF COMPLETION:
NEW WELL ☒ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER _____

6. IF INDIAN, ALLOTTEE OR

7. UNIT AGREEMENT NAME
ROSA UNIT (00017033)

2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #125E

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 3102 MS 37-3 TULSA, OK 74101 (918) 561-6678

9. API WELL NO.
30-045-25526

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
1670' FSL & 1035' FEL
At Surface
At top production interval reported below
At total depth:

10. FIELD AND POOL, OR WILDCAT
BLANCO MESAVERDE 72319

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
NE/4 SE/4 SEC. 13, T31N R6W

14. PERMIT
NO.

DATE ISSUED

12. COUNTY OR
PARISH
RIO ARRIBA

13. STATE
N MEXICO

15. DATE
SPUDDED
06/18/95

16. DATE T.D.
REACHED
06/28/95

17. DATE COMPLETED
(READY TO PRODUCE)
09/22/95

18. ELEVATIONS (DK, RKB,
RT, GR, ETC.)
6345' GR

19. ELEVATION CASING HEAD
6345'

20. TOTAL DEPTH, MD & TVD
8120'

21. PLUG, BACK T.D., MD & TVD
8087'

22. IF
MULTICOMP.,
HOW MANY

23. INTERVALS
DRILLED BY

ROTARY TOOLS
X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)
BLANCO MESAVERDE 5425' TO 6096'

25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN
CASED HOLE: GR/CCL/CBL OPEN HOLE: IND/GR/CDL/CNL

27. WAS WELL CORED
NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD			AMOUNT PULLED
10-3/4"H-40	32.75#	339'	13-3/4"	215 SX	387 266 cu.ft.	SURFACE	
7-5/8"K-55	26.4#	3615'	9-7/8"	860 SX	1382 cu.ft.	SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2"N-80	17#	8120'	450 SX (617 cu.ft.)		1-1/4", 2.33#	6046'	6200'

31. PERFORMANCE RECORD (Interval, size, and number)

Point Lookout: 5687, 93', 96', 5701', 04', 07', 13', 22', 27', 30', 33', 39', 54', 65', 69', 85', 5803' 27', 33', 42', 78', 5907', 11', 31', 35', 52', 85', 6010', 59', 94', & 6096'.
Total of 31 holes.

Menefee/ Cliffhouse: 5425', 27', 29', 30', 64', 81', 83', 87', 93', 95', 97', 99', 5502', 21', 34', 45', 61', 73', 75', 77', 99', 5607', 11', 13', 49', 58', 71', & 5673'. Total of 28 (0.32") holes.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
5425'	5673'	85,000# 20/40 SAND	701 BBLS OF LINEAR GEL
5687'	6096'	106,000# 20/40 SAND	750 BBLS OF LINEAR GEL

33. PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SHUT IN)	
DATE OF TEST 10/11/95		FLOWING				SHUT IN	
HOURS TESTED 3 HR. IP	CHOKE SIZE 3/4"	PROD'N FOR TEST PERIOD-----	OIL - BBL. 0	GAS - MCF 123	WATER - BBL. 0	GAS-OIL RATIO N/A	
FLOW TUBING PRESS 99#	CASING PRESSURE 964#	CALCULATED 24-HOUR RATE----- IF FLOWING PRESSURES	OIL - BBL. 0	GAS - MCF 1393	WATER - BBL. N/A	GAS-OIL RATIO (CORR.)	

34. DOF GAS (Sold, used for fuel, vented, etc.):

TO BE SOLD

TEST WITNESSED BY
CHIK CHARLES

35. LIST OF ATTACHMENTS:

LOGS, SUMMARY OF POROUS ZONES, DEVIATION REPORT & WELLBORE DIAGRAM.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED BOB MC ELHATTAN

Bob McElhatten

TITLE SR PRODUCTION ANALYST

DATE October 24, 1995

FARMINGTON DISTRICT OFFICE

NOV 01 1995

37.	FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS		
						TOP	MEASURED DEPTH	TRUE VERTICAL DEPTH
TOPS:								
OJO ALAMO	2450'	2553'						
KIRTLAND	2553'	2961'						
FRUITLAND	2961'	3204'						
PICTURED CLIFFS	3204'	3501'						
LEWIS	3501'	5410'						
CLIFF HOUSE	5410'	5460'						
MENEFEE	5460'	5677'						
POINT LOOKOUT	5677'	5914'						
MANCOS	5914'	7726'						
GREENHORN	7726'	7781'						
GRANEROS	7781'	7894'						
DAKOTA	7894'	N.A.						
TD	8120'							

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

(See other
instructions on
reverse side)

5. LEASE DESIGNATION AND LEASE NO.
SF-078767

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

6. IF INDIAN, ALLOTTEE OR

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____
b. TYPE OF COMPLETION:
NEW WELL ☒ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER _____

7. UNIT AGREEMENT NAME
ROSA UNIT (00017033)

2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #125E

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 3102 MS 37-3 TULSA, OK 74101 (918) 561-6678

9. API WELL NO.
30-045-25526

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
1670' FSL & 1035' FEL
At Surface
At top production interval reported below
At total depth:

10. FIELD AND POOL, OR WILDCAT
BASIN DAKOTA 71599

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
NE/4 SE/4 SEC. 13, T31N R6W

14. PERMIT
NO.

DATE ISSUED

12. COUNTY OR
PARISH
RIO ARriba

13. STATE
N MEXICO

15. DATE
SPUDDED
06/18/95

16. DATE T.D.
REACHED
06/28/95

17. DATE COMPLETED
(READY TO PRODUCE)
09/22/95

18. ELEVATIONS (DK, RKB,
RT, GR, ETC.)*
6345' GR

19. ELEVATION CASINGHEAD
6345'

20. TOTAL DEPTH, MD & TVD
8120'

21. PLUG, BACK T.D., MD & TVD
8087'

22. IF
MULTICOMP.,
HOW MANY

23. INTERVALS
DRILLED BY

ROTARY TOOLS
X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN DAKOTA 7916' TO 8069'

25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN
CASED HOLE: GR/CCL/CBL OPEN HOLE: IND/GR/CDL/CNL

27. WAS WELL CORED
NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD			AMOUNT PULLED
10-3/4" H-40	32.75#	339'	13-3/4"	215 SX	381' 266 cu.ft.	SURFACE	
7-5/8" K-55	26.4#	3615'	9-7/8"	860 SX	1382' cu.ft.	SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2" N-80		8120'	450 SX (647 cu.ft.)		1-1/2", 2.9#	8082'	6200'

30. 1554' TUBING RECORD

31. PERFORMANCE RECORD (Interval, size, and number)

Dakota: 7916' - 8069' 7916', 22', 28', 64', 70', 76', 82', 88', 95', 8011', 35', 43', 49',
55', 62' & 8069'. Total of 16 holes.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
7916'	8069'	103,480# 20/40 SAND	583 BBLS OF 30# X-LINK GEL

33. PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) FLOWING				WELL STATUS (PRODUCING OR SHUT IN) SHUT IN	
DATE OF TEST 10/11/95	HOURS TESTED 3 HR. IP	CHOKE SIZE 3/4"	PROD'N FOR TEST PERIOD-----	OIL - BBL. 0	GAS - MCF 170	WATER - BBL. 0	GAS-OIL RATIO N/A
FLOW TUBING PRESS 97#	CASING PRESSURE N.A.	CALCULATED 24-HOUR RATE----- IP FLOWING PRESSURES		OIL - BBL. 0	GAS - MCF 1356	WATER - BBL. N/A	OIL GRAVITY-API (CORR.)

34. DOF GAS (Sold, used for fuel, vented, etc.):
TO BE SOLD

NMOCD

ACCEPTED FOR RECORD
CHIK CHARLEY

35. LIST OF ATTACHMENTS: LOGS, SUMMARY OF POROUS ZONES, DEVIATION REPORT & WELLBORE DIAGRAM.

NOV 01 1995

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED BOB MC ELHATTAN

Bob McElhattan

TITLE SR. PRODUCTION ANALYST

DATE October

FARMINGTON DISTRICT OFFICE

BY

ROSA UNIT #121E

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; core intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries)					38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	MEASURED DEPTH	TRUE VERTICAL DEPTH
TOPS:							
OJO ALAMO	2450'	2553'					
KIRTLAND	2553'	2961'					
FRUITLAND	2961'	3204'					
PICTURED CLIFFS	3204'	3501'					
LEWIS	3501'	5410'					
CLIFF HOUSE	5410'	5460'					
MENEFEE	5460'	5677'					
POINT LOOKOUT	5677'	5914'					
MANCOS	5914'	7726'					
GREENHORN	7726'	7781'					
GRANEROS	7781'	7894'					
DAKOTA	7894'	N.A.					
TD	8120'						

DISTRICT I
P.O.Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O.Box 2088

Santa Fe, New Mexico 87504-2088

OIL CONSERVATION DIVISION

RECEIVED

Filing Instructions
Bottom of Page

1995 NOV 7 AM 8 32

APPLICATION FOR MULTIPLE COMPLETION

WILLIAMS PRODUCTION COMPANY P.O. BOX 3102 MS-37-3 TULSA, OK 74101

Operator

ROSA UNIT #125E 13 31N 6W RIO ARRIBA
Lease Well No Unit Ltr. — Sec — Twp — Rge County

All applicants for multiple completion must complete Items 1 and 2 below.

1. The following facts are submitted:	Upper Zone	Immediate Zone	Lower Zone
a. Name of Pool and Formation	BLANCO MESAVERDE		BASIN DAKOTA
b. Top and Bottom of Pay Section (Perforations)	5425' - 6069'		7916' - 8069'
c. Type of Production (Oil or Gas)	GAS		GAS
d. Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING
e. Daily Production <input type="checkbox"/> Actual <input type="checkbox"/> Estimated Oil Bbls. Gas MCF Water Bbls.	3 HR PITOT 1393 MCF/D	RECEIVED OCT 30 1995 OIL CONSERVATION DIVISION DIST. 3	3 HR PITOT 1356 MCF/D

2. The following must be attached:

- Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

OPERATOR:

I hereby certify above information is true and complete to best of my knowledge, and belief.

Signature Bob McElhatten
Printed Name & Title BOB MC ELHATTAN - SR PRODUCTION ANALYST
Date October 25, 1995 Telephone (918) 561-6678

OIL CONSERVATION DIVISION

Approved by: 355
Title: SUPV
Date: OCT 30 1995

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

FILING INSTRUCTIONS:

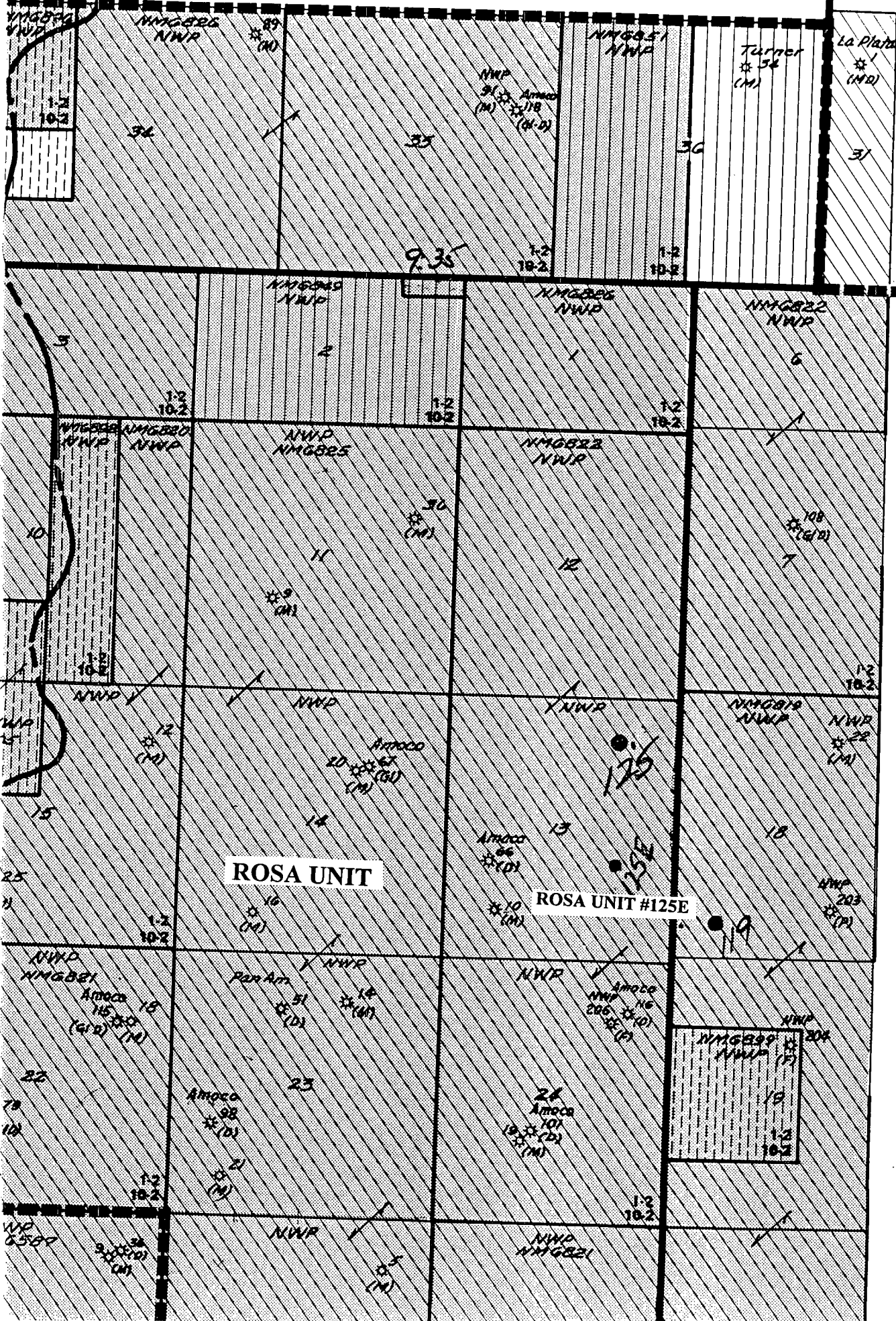
- District Approval — See rule 112-A-B — Submit 4 copies of Form C-107 with attachments to appropriate district office.
- Division Director Administrative Approval — See Rule 112-C — Submit 2 copies of Form C-107 with attachments to Division office in Santa Fe and 2 copies of Form C-107 with attachments to appropriate district office.
- Multiple completions not qualifying for District or Division Director approval may be set for hearing as outlined in Rule 112-A-E.

**OFFSET OPERATORS
ROSA UNIT #125E
J-13-31N-6W**

1. LEASE: ROSA UNIT

Operator: Williams Production Company, MS-37-3, P.O. Box 3102, TULSA, OK
74101

County Rio Arriba County



WELLBORE DIAGRAM

ROSA UNIT #125E MV/DK

LOCATION: 1670'FSL, 1035'FEL
NE/4 SE/4 SEC. 13, T31N, R6W
RIO ARRIBA CO., NM
ELEVATION: 6345' GR
KB: 12'

TOPS:

OJO ALAMO	2450'
KIRTLAND	2553'
FRUITLAND	2961'
PICTURED CLIFFS	3204'
LEWIS	3501'
CLIFF HOUSE	5410'
MENEFEE	5460'
POINT LOOKOUT	5677'
MANCOS	5914'
GREENHORN	7726'
GRANEROS	7781'
DAKOTA	7894'

STIMULATION

Cliff House/Menefee: 5425' - 5673'

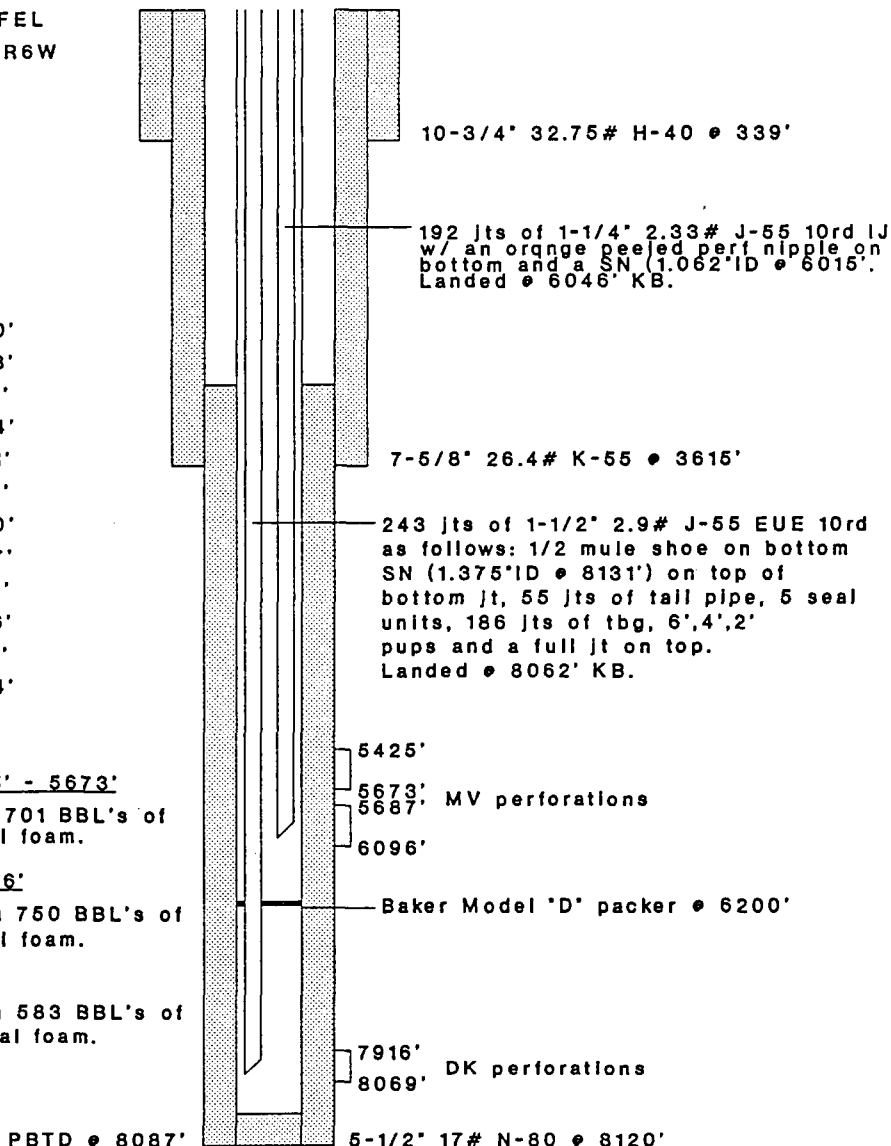
85,000# of 20/40 sand in 701 BBL's of 30# linear gel in a 65 qual foam.

Point Lookout: 5687' - 6096'

106,000# of 20/40 sand in 750 BBL's of 30# linear gel in a 65 qual foam.

Dakota: 7916' - 8069'

103,480# of 20/40 sand in 583 BBL's of 30# X-Link gel in a 60 qual foam.



HOLE SIZE	CASING	CEMENT	VOLUME	TOP OF CMT
13-3/4"	10-3/4" 32.75#	215 SX	266 CU.FT.	SURFACE
9-7/8"	7-5/8" 26.4#	860 SX	1382 CU.FT.	SURFACE
6-3/4"	5-1/2" 17#	450 SX	617 CU.FT.	3255' (survey)

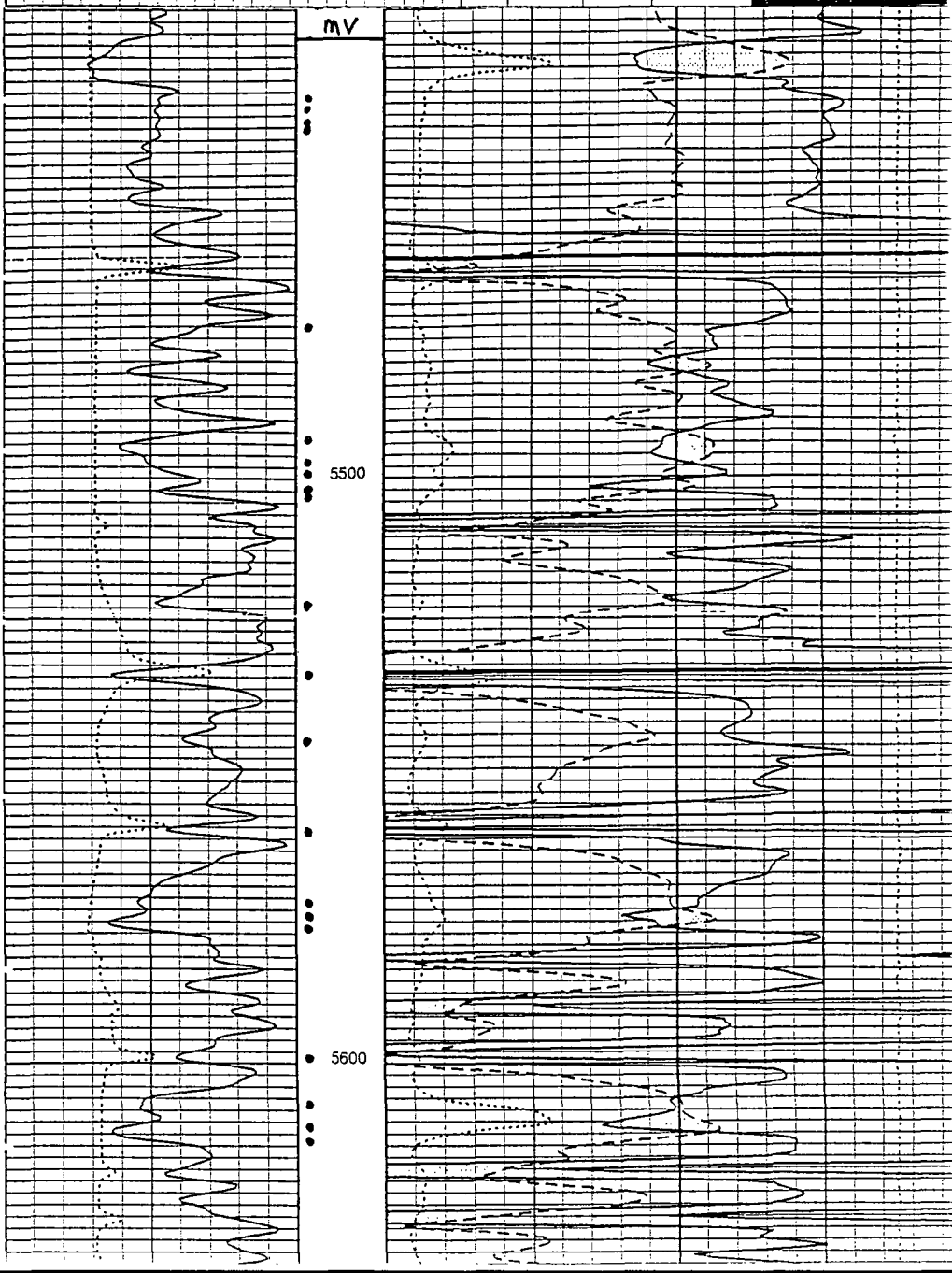
WELL: Rosa Unit No. 125E

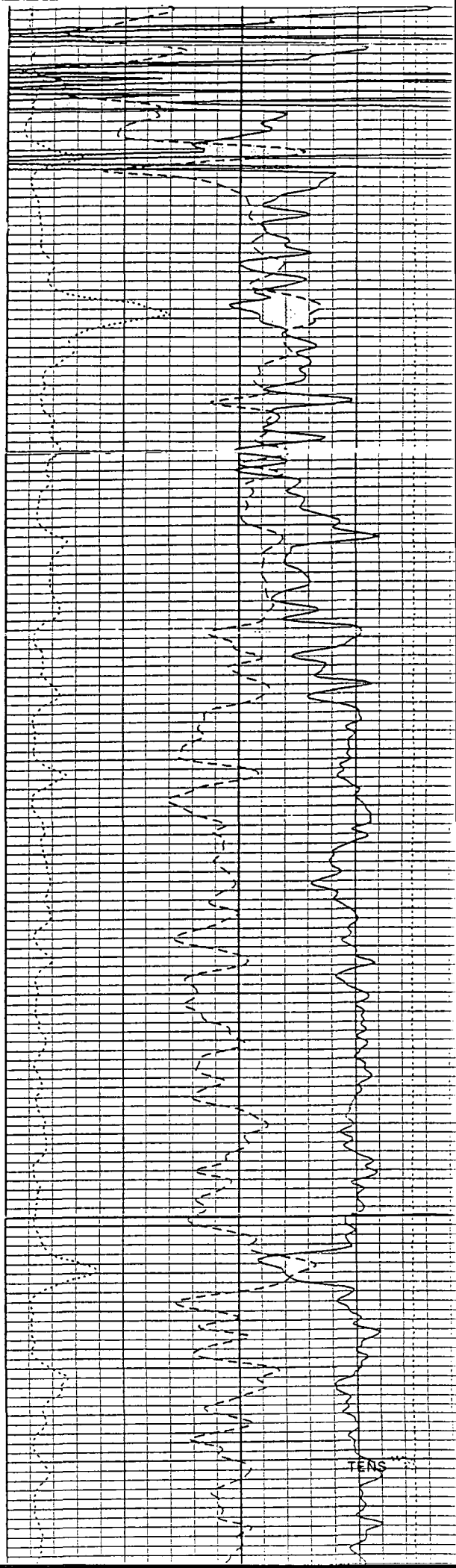
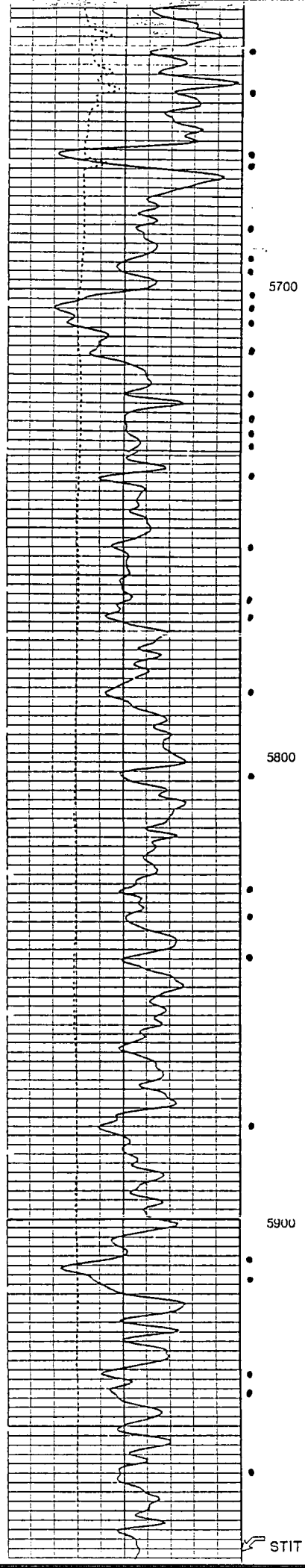
FIELD: Blanco MV / Basin DK

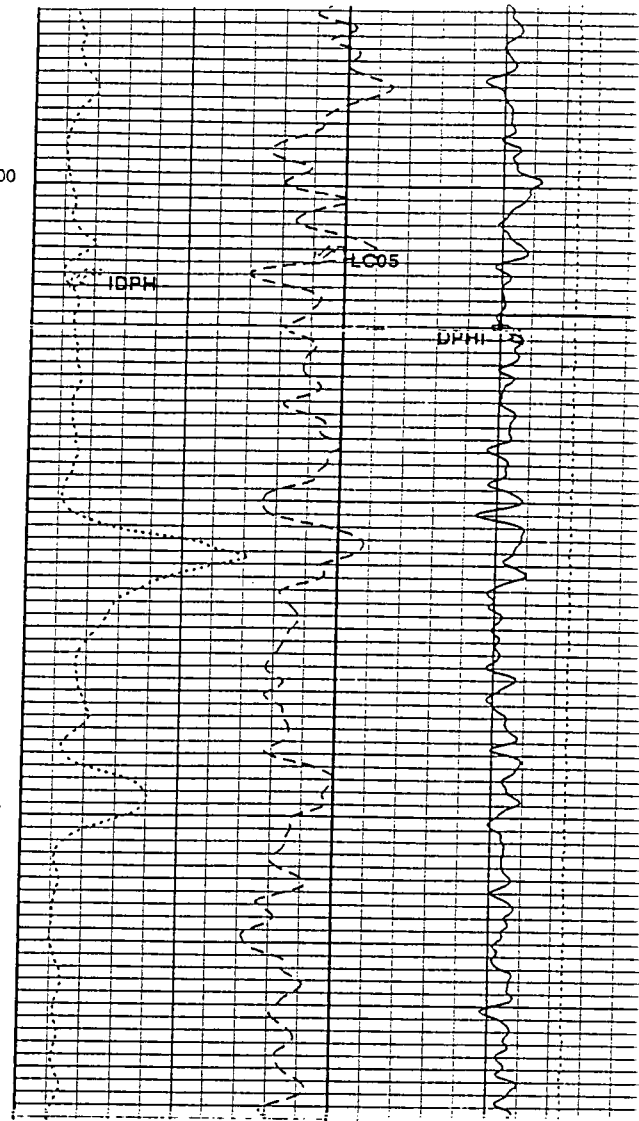
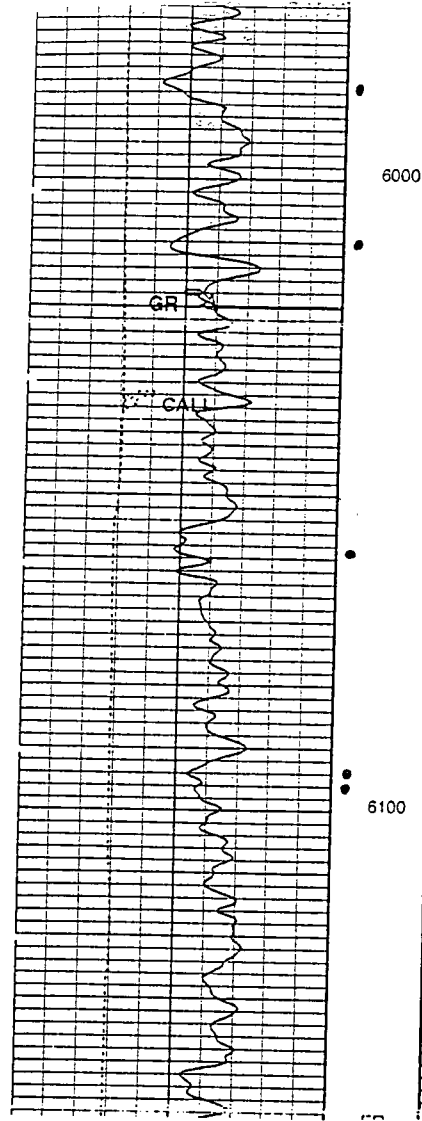
COUNTY: Rio Arriba STATE: New Mexico

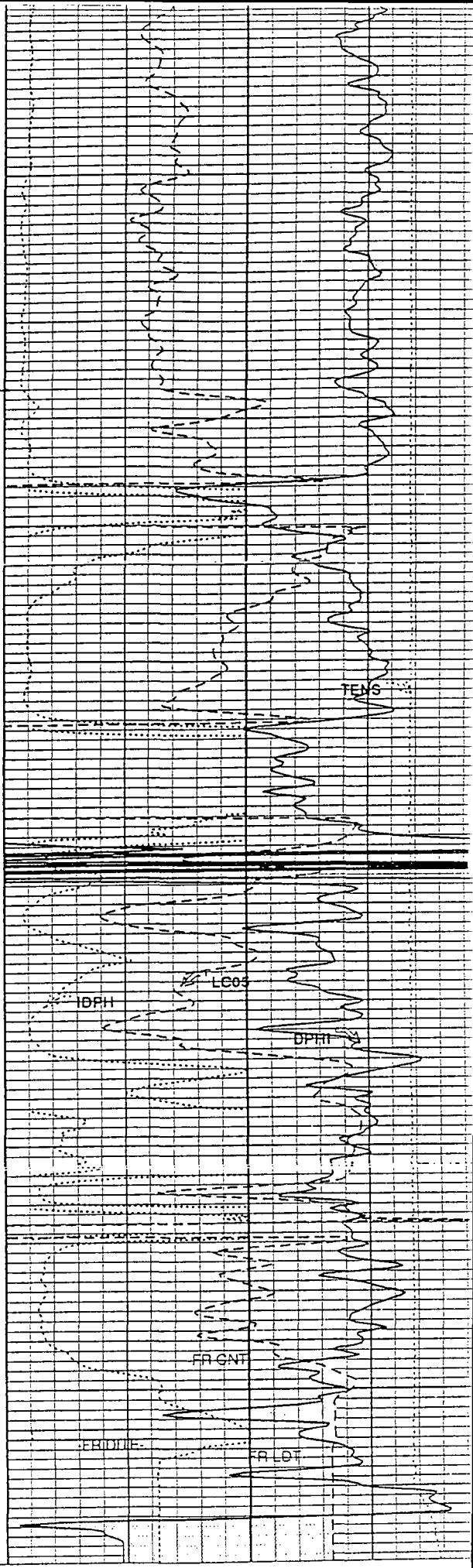
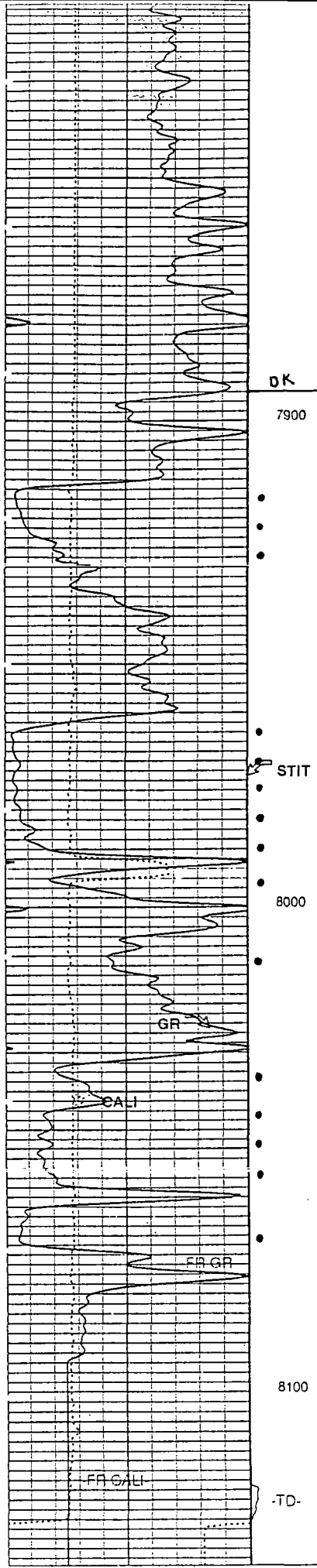
Field: Blanco MV / Basin DK
Location: 1670' FSL & 1035' FEL
Well: Rosa Unit No. 125E
Company: Northwest Pipeline Corporation

FINAL Schlumberger		COMPENSATED NEUTRON- FORMATION DENSITY	
1670' FSL & 1035' FEL		Elev.: K.B. 6337 F G.L. 6345 F D.F. 6356 F	
Permanent Datum: Log Measured From: Kelly Bushing Drilling Measured From: Kelly Bushing		Elev.: 6345 F 12.0 F above Perm. Datum	
API Serial No. N/A	SECTION 13	TOWNSHIP 31N	RANGE 08W
Logging Date: 22-JUN-1995	ONE	27-JUN-1995	Two
Depth: 3615 F	3617 F	8129 F	8122 F
Interval: 3584 F	2500 F	8119 F	4500 F
Size: 343 F	10.750 IN	7625 IN	3615 F
Fluid In Hole: 9.875 IN	Getchem	5.750 IN	AV
Viscosity: 10 LB/G	65 S		
PH			
Flowline	4.100 OHMM	(@) 91 DEGF	
Measured Temperature	3.830 OHMM	(@) 91 DEGF	
Measured Temperature	3.170 OHMM	(@) 91 DEGF	
Measured Temperature	3.433	(@) 110	(@) 225
Measured Temperature	110 DEGF	110	225
Measured Temperature	22-JUN-1995	7:15	225
Measured Temperature	22-JUN-1995	11:20	225
Measured Temperature	3020 Farmington		13.45
Measured Temperature	Eric Giles		Peztop
Measured Temperature	John Brucher		J. Brucher









Stuck
Stretch
STIM

Density Porosity (DPHI)
NVI

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUMMARY 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

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. SF 078767
2. Name of Operator WILLIAMS PRODUCTION COMPANY	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. PO BOX 3102 MS 37-4, TULSA, OK 74101 (918) 561-6678	7. If Unit or CA, Agreement Designation ROSA UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) (SURFACE) 1670' FSL & 1035' FEL, SEC 13, T31N, R06W	8. Well Name and No. ROSA UNIT #125E
	9. API Well No. 30-045-25526
	10. Field and Pool, or Exploratory Area BLANCO MV / BASIN DK
	11. County or Parish, State RIO ARRIBA, NEW MEXICO

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> COMPLETION OPERATIONS
	<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.)*

9-09-95 Tag cement @ 8009' KB. RUD/O cement to FC @ 8087' KB RU BJ. PT csg to 3500 psi. PT OK. Spot 200 gal of 15% HCl across interval to perforated. Perforate Dakota as follows w/ 3-1/8" csg gun (EHD=0.36"): 7916, 7922, 7928, 7964, 7970, 7976, 7988, 7988, 7995, 8011, 8035, 8043, 8049, 8055, 8062, 8069. Total of 16 holes. Breakdown Dakota w/ 1000 gal of 15% HCl and 30 lb SG ball sealers. ATP=25 BPM @ 3400 psi. Good ball action w/ total ball-off at 6500 psi. Foam frac Dakota w/ 91,000# 20/40 Ottawa and 12,480 Super DC resin-coated sand. ATP=4300 psi, ATR=25 BPM. MTP=4800 psi, MTR=28 BPM. Total fluid = 58 Bbl's. Wireline PBTD=8097' KB.

9-15-95 RU Petro and perf PLO as follows w/ 3-1/8" casing gun (EHD=0.31")=5687', 5693', 5696', 5701', 5704', 5707', 5713', 5722', 5727', 5730', 5733', 5739', 5754', 5765', 5769', 5785', 5803', 5827', 5833', 5842', 5878', 5907', 5911', 5931', 5935', 5952', 5985', 6010', 6059', 6094', & 6096'. Total of 31 holes. Run junk-basket and recovered 22 balls w/ 17 hits. Stimulated PLO w/ 94,000# 20/40 Arizona sand & tailed in w/ 12,000# Super LC resin coated sand @ 1 - 4 ppg in a 65 Q foam w/ 20# linear gel. ATP=2100, AIR = 42 BPM. MTP=2300 psi, MIR=44 BPM. ISIP=680 psi.

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

Signed BOB McELHATTAN

Bob McElhattan

Title SR PRODUCTION ANALYST

Date October 24, 1995

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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, fraudulent statements or representations as to any matter within its jurisdiction.

ACCEPTED FOR RECORD

NOV 01 1995

11000

FARMINGTON DISTRICT OFFICE

BY

9-16-95 Perforated Menefee/ Cliffhouse at 5425', 5427', 5429', 5430', 5464', 5481', 5483', 5487', 5493', 5495', 5497', 5499', 5502', 5521', 5534', 5545', 5561', 5573', 5575', 5577', 5599', 5607', 5611', 5613', 5649', 5658', 5671', and 5673'. Total of 28 (0.32") holes. Dropped 42 balls in 1000 gal of 15% HCl. Good ball action and balled off to 6000#. Fraced well with a 7600 gal pad of 65% nitrogen foam, followed by 80,000# of 20/40 Arizona sand and 5,000# of 16/30 Super DC resin coated sand at 1 - 4 ppg all in a 65 quality foam. Job completed at 1600 hrs 9/15/95. ISIP = 820#. ATP = 2600#, AIR = 40 BPM, MTP = 5050#, MIR = 41 BPM. Total fluid = 701 bbls of 20# linear gel.

9-21-95 Set Baker Model "D" production packer at 6200'. Pitot test well at 3200 MCFD.

9-22-95 Run 1-1/2" DK production tubing as follows: 1/2 muleshoe, 1 jt. 1-1/2" tubing, seating nipple, 55 jts. of 1-1/2" tubing, seal assembly with 5 seal units, 186 jts. of 1-1/2" tubing, three tubing subs (6',4',3') and 1 jt of 1-1/2" tubing. Total of 243 jts. landed at 8062'KB. Rig up and run 1-1/4" tubing as follows: mud anchor, 6' perforated sub, 1 jt. of 1-1/4" tubing, seating nipple, and 191 jts. of 1-1/4" tubing. Total of 192 jts. landed at 6046'KB.

NEW MEXICO OIL CONSERVATION COMMISSION MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special										Test Date 10-11-95																			
Company Williams Production Company										Connection 95 NO. 1 - 1110 52																			
Pool Basin										Formation Dakota										Unit Rosa Unit									
Completion Date					Total Depth					Plug Back TD					Elevation					Farm or Lease Name									
Casing Size					Weight		d			Set At		Perforations: From To					Well No. 125E												
Tubing Size					Weight		d			Set at		Perforations: From To					Unit		Sec		Twp		Rng						
Type Well - Single - Bradenhead - GG or GO Multiple										Packer Set At										County J									
Producing Thru Tubing					Reservoir Temp. °F					Mean Annual Temp. °F					Barometer Pressure - P_a					State New Mexico									
L		H		Gq .6		%CO₂			%N₂			%H₂S			Prover 3/4"		Meter Run		Taps										

FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line	X Orifice Size	Pressure p.s.i.q.	Temperature °F	Pressure p.s.i.q.	Temperature °F	Pressure p.s.i.q.	Temperature °F	Duration of
SI		2" X 3/4"			1064				0
1.					111	67°			0.5 hr
2.					101	67°			1.0 hr
3.					100	69°			1.5 hrs
4.					99	69°			2.0 hrs
5.					97	69°			3.0 hrs

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor	Gravity Factor	Super Compress.	Rate of Flow
1.	9.604		109	.9915	1.29	1.013	1.356
2.							
3.							
4.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ration _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator _____ XXXXXX Specific Gravity Flowing Fluid _____ Critical Pressure _____ p.s.i.a. _____ p.s.i.a. Critical Temperature _____ R _____ R			
1.					<div style="display: flex; justify-content: space-between;"> <div> (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0104$ </div> <div> (2) $\frac{[P_c^2 - P_w^2]^{.75}}{[P_c^2 - P_w^2]^{.75}} = 1.0078$ </div> </div> <div style="margin-top: 10px;"> AOF = Q $\left[\frac{P_c}{P_c^2 - P_w^2} \right]^{.75} = 1.367$ </div>			
2.								
3.								
4.								
5.								

P _c 1076 P _c 1157776			
NO.	P _i	P _w	P _c - P _w ²
1.		109	11881
2.			
3.			
4.			

Absolute Open Flow 1367 Mcfd @ 15.025		Angle of Slope °		Slope, n .75	
---	--	-------------------------	--	---------------------	--

Remarks:

Approved By Commission:		Conducted By:		Calculated By: Susan Griguin		Checked By:	
--------------------------------	--	----------------------	--	-------------------------------------	--	--------------------	--

NEW MEXICO OIL CONSERVATION COMMISSION MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special										Test Date 10-11-95	
Company Williams Production Company					Connection 95 NO 1 AM 8 52						
Pool Blanco					Formation Mesaverde					Unit Rosa Unit	
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name			
Casing Size		Weight	d	Set At		Perforations: From To		Well No. 125E			
Tubing Size		Weight	d	Set at		Perforations: From To		Unit 13	Sec 31N	Twp 6W	
Type Well - Single - Bradenhead - GG or GO Multiple					Packer Set At			County X			
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Barometer Pressure - P_a		State New Mexico			
L	H	Gq .6	%CO₂	%N₂	%H₂S	Prover 3/4"	Meter Run	Taps			

FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover X Line	Orifice Size	Pressure p.s.i.q.	Temperature °F	Pressure p.s.i.q.	Temperature °F	Pressure p.s.i.q.	Temperature °F	Duration of
SI		2" X 3/4"			1017		1076		0
1.					97	50°	1032		0.5 hr
2.					98	51°	1016		1.0 hr
3.					99	52°	1001		1.5 hrs
4.					103	54°	989		2.0 hrs
5.					99	57°	964		3.0 hrs

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor	Gravity Factor	Super Compress.	Rate of Flow
1.	9.604		111	1.0029	1.29	1.010	1.393
2.							
3.							
4.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deq.
2.					Specific Gravity Separator _____ XXXXXX
3.					Specific Gravity Flowing Fluid xxxxx _____
4.					Critical Pressure _____ p.s.i.a. _____ p.s.i.a.
5.					Critical Temperature _____ R _____ R

P _c 1088 P _c 1183744 DIST. 3		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 5.1207$ (2) $\frac{[P_c^2 - P_w^2]^n}{P_c^2 - P_w^2} = 3.4041$ AOF = Q $\left[\frac{P_c}{P_c^2 - P_w^2} \right]^n = 4.742$
NO.	P _r	
1.	976	
2.		
3.		

NO.	P _r	P _w	P _w ²	P _c ² - P _w ²
1.		976	952576	231168
2.				
3.				
4.				

Absolute Open Flow 4742 Mcfd @ 15.025	Angle of Slope °	Slope, n .75
---	-------------------------	---------------------

Remarks: Unload in 5 mins to med mist for 1.5 hours to light mist 1 hour to clear

Approved By Commission:	Conducted By:	Calculated By: Susan Griguhn	Checked By:
--------------------------------	----------------------	-------------------------------------	--------------------

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

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other
2. Name of Operator
WILLIAMS PRODUCTION COMPANY
3. Address and Telephone No.
PO BOX 3102 MS 37-4, TULSA, OK 74101 (918) 588-4592
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
970' FNL & 1190' FEL, SEC 13, T31N, R6W
5. Lease Designation and Serial No.
SF-078767
6. If Indian, Allottee or Tribe Name
7. If Unit or CA, Agreement Designation
8. Well Name and No.
ROSA UNIT #125
9. API Well No.
30-039-25144
10. Field and Pool, or Exploratory Area
BASIN DAKOTA
11. County or Parish, State
RIO ARRIBA, NEW MEXICO

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

TYPE OF SUBMISSION

- ☒ Notice of Intent
- ☐ Subsequent Report
- ☐ Final Abandonment

TYPE OF ACTION

- ☐ Abandonment
- ☐ Recompletion
- ☐ Plugging Back
- ☐ Casing Repair
- ☐ Altering Casing
- ☒ Other CONTINUE S.I. STATUS

- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-Off
- ☐ Conversion to Injection
- ☐ 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.)*

Williams Production Company requests a one year extension of "Shut-In" status for this well. Recent Rosa Unit development in this Mesaverde and Pictured Cliffs formations near this wellbore indicate that uphole potential may exist. If economics justify, Williams Production Company plans to recomplete this well in 1996.

THIS APPROVAL EXPIRES NOV 01 1996

RECEIVED
AUG 30 1995
OIL & GAS DIV.
DIST. 3

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

Signed STERG KATIRGIS

Title SR. ENGINEER

Date August 19, 1995

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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.

*See Instruction on Reverse Side

APPROVED

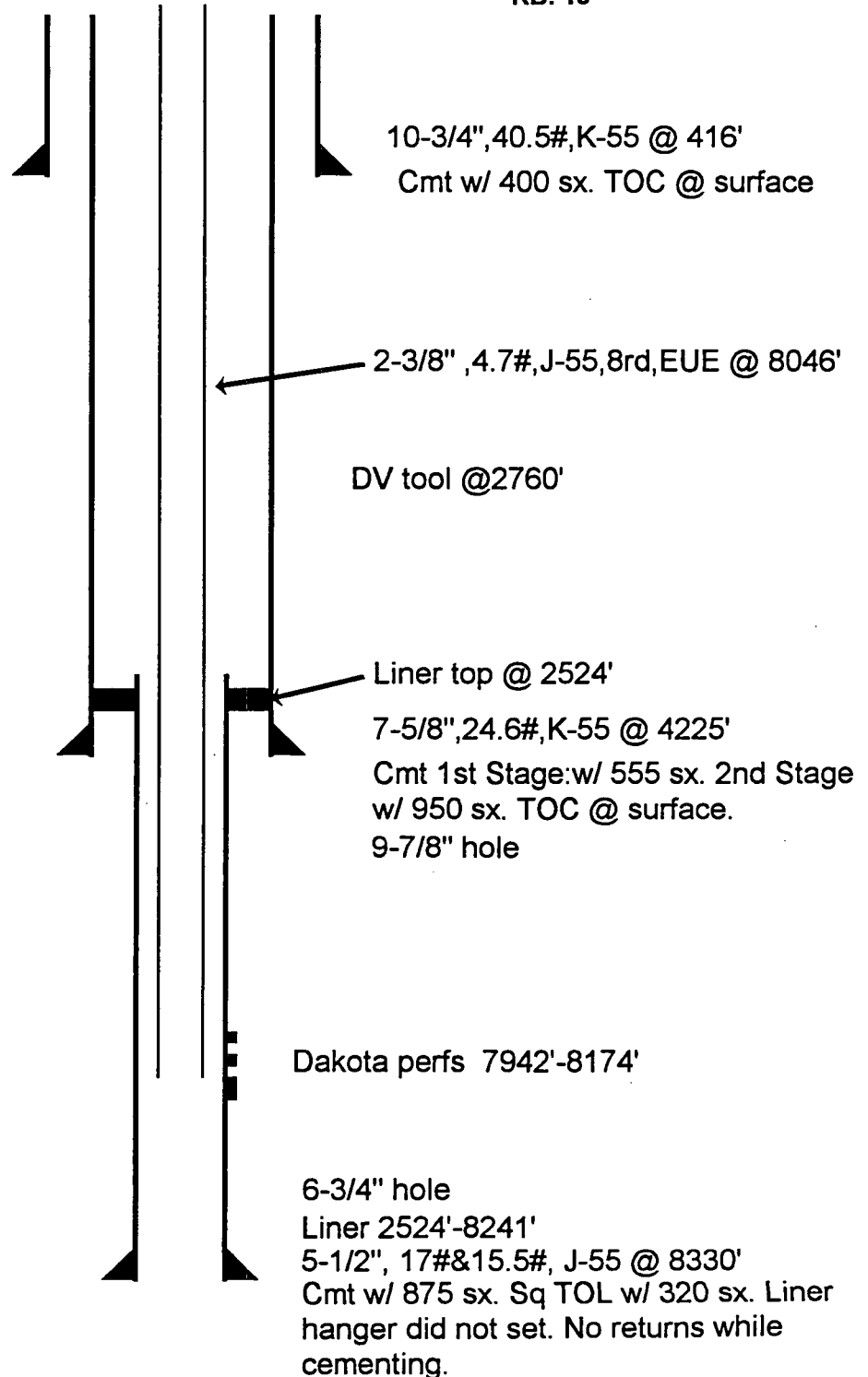
NMOCD

WELLBORE DIAGRAM

ROSA UNIT #125

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

Elevation: 6491' GR
KB: 15'



Ojo Alamo	2575
Fruitland	3170
Pictured Cliffs	3510
Lewis	4025
Cliff House	5232
Menefee	5588
Point Lookout	5826
Mancos	6310
Graneros	7900
Dakota	8008
PBTD	8230

TD: 8242'

In Lieu of
Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

RECEIVED
BLM
95 JUL 14 14:12

5. Lease Designation and Serial No.
SF 078767
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	8. Well Name and No. ROSA UNIT #125E
2. Name of Operator WILLIAMS PRODUCTION COMPANY	9. API Well No. 30-039-25526
3. Address and Telephone No. PO BOX 3102 MS 37-4, TULSA, OK 74101 (713) 588-4592	10. Field and Pool, or Exploratory Area BLANCO MV/BASIN DK
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1670' FSL & 1035' FEL, SEC 13, T31N, R06W	11. County or Parish, State RIO ARRIBA, NEW MEXICO

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>DRILLING OPERATIONS</u>
	<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.)*

6-19-95 Move on location and rig up. Spud surface hole at 1600 hrs 6/18/95. TD surface hole at 345'. TOH. Ran 7 jts. (327.52') of 10-3/4", 32.75#, H-40, ST&C casing and landed at 339' KB. Cementers Inc. cemented with 215 sx. (387 cu.ft.) of CI "B" with 3% CaCl2 and 1/4# celloflake/sk. Displaced plug with 20 bbls of water. Plug down at 0000 hrs. 6/19/95.
6-20-95 Pressure test to 1500#-held O.K.
6-22-95 TD'd intermediate hole @ 3615' with bit #3 (9-7/8", HTC, 11H).
6-23-95 Ran 82 jts (3603.50') of 7-5/8", 20.40#, K-55, LT&C casing and landed at 3615' KB. Float collar at 3570'. BJ cemented with 620 sx (1,271 cu.ft.) of CI "B" 65/35 poz with 2% CaCl2, 8% gel, and 1/4# cello-flake/sk. Tailed with 240 sx (283 cu.ft.) of CI "B" with 2% CaCl2 and 1/4# cello-flake/sk. Preceded cement with 30 bbls of gel water and 20 bbls of scavenger cement. Displaced cement with 168 bbls of water and plug down at 0045 hrs 6/23/95. Circulate 10 bbls of cement to surface.
6-24-95 Pressure test to 1500# - OK. Unload hole with nitrogen. Well dusting at 1600 hrs. 6/23/95.
6-28-95 TD'd well with bit #5 (6-1/4", HTC, J-55) @ 8129'. SWS ran IND/GR SNL/CDL logs.
6-29-95 Ran 186 jts (8108.27') of 5-1/2", 17#, N-80, LT&C casing and set at 8120' KB. Float collar at 8096' KB and top of marker joint is at 7627' KB. BJ preceded cement with 20 bbls of gel water and 20 bbls of scavenger cement. Cemented with 350 sx (473 cu.ft.) of class "B" 50/50 poz with 4% gel and 0.5% fluid loss. Tailed with 100 sx class "H" with 3.5% silica flour, 1/4# cello-flake/sk, 1.8% fluid loss, and 0.2% dispersant. Displaced plug with 188 bbls and down at 1045 hours 6-28-95. Rig released at 1300 hours 6-28-95. Moving to Rosa Unit Com #90A.
7-01-95 TOC by temperature survey is 3255'. PDTD is 7997'.

RECEIVED
JUL 20 1995

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

Signed Susan Griuhn

Susan Griuhn

Title Clerk

Date July 10, 1995

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

ACCEPTED FOR RECORD

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

*See Instruction on Reverse Side

FARMINGTON DISTRICT OFFICE

RECEIVED DIVISION

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

070 E. Farmington, NM

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

NORTHWEST PIPELINE CORPORATION

OGRID 16189-120782

3. ADDRESS AND TELEPHONE NO.

c/o Walsh Engr. & Prod. Corp.
7415 E. Main Farmington, N.M. 87402 505 327-4892

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1670'FSL & 1035'FEL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

25 miles Northeast of Blanco, New Mexico

16. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

810'

16. NO. OF ACRES IN LEASE

2518.04

17. NO. OF ACRES ASSIGNED
TO THIS WELL

223.28 MV & DK

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2500'

19. PROPOSED DEPTH

8110'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6345'GR This action is subject to technical and
procedural review pursuant to 43 CFR 31.65 and
and appeal pursuant to 43 CFR 31.65.

22. APPROX. DATE WORK WILL START*

April 1995

23.

PROPOSED DRILLING AND CEMENTING PROGRAM
DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH
ATTACHED "GENERAL REQUIREMENTS"

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	10-3/4", H-40	32.75	300' 320'	244 cuft C1 "B" w/3% CaCl2
9-7/8"	7-5/8", K-55	26.4	3615'	1271 cuft 65/35 Poz, 254 cuft C1 "B"
6-3/4"	5-1/2", N-80	17.00	8110'	473 cuft 50/50 Poz & 144 cuft with additives

NORTHWEST PIPELINE proposes to drill a vertical well to develop the Mesa Verde and Dakota formations at the above described site in accordance with the attached drilling and surface use programs.

This location has been archaeologically surveyed by CRMS. Copies of the report will be submitted directly to your office.

This APD also is serving as an application to obtain BLM road right-of-way. The right-of-way will be new road crossing the SE/4 of Section 13; an existing road crossing the S/2 S/2 of Section 13; and the SE/4 of Section 14; all of T31N, R6W, where it connects to the main Rosa Road. The Rosa Road continues in a southwest direction for 13 miles where it connects to the Sims Mesa Highway.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Paul C. Thompson

TITLE

Paul C. Thompson, Agent

DATE

3/6/95

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

DATE

APPROVED
AS AMENDED

JUN 07 1995

DISTRICT MANAGER

*See Instructions on Reverse Side

<div>16</div>	<div>21640.00'</div>	<div>1320.00'</div> <div>525.30'</div>	<div>17 OPERATOR CERTIFICATION</div> <div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</div> <div><div>Paul C. Thompson</div><div>Signature</div><div>Paul C. Thompson, P.E. (Agent)</div><div>Printed Name</div><div>President</div><div>Walsh Engr. & Prod. Corp.</div><div>Title</div><div>3/6/95</div><div>Date</div></div>
<div>5280.00'</div> <div>RECEIVED</div> <div>JUN - 1 1995</div> <div>OIL CON. DIV.</div> <div>DIST. 3</div>	<div>21640.00'</div>	<div>5280.00'</div> <div>1035'</div> <div>1670'</div> <div>1320.00'</div> <div>525.30'</div>	<div>18 SURVEYOR CERTIFICATION</div> <div>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.</div> <div><div>2-20-95</div><div>Date of Survey</div><div><div>NEHE C. EDWARDS</div><div>NEW YORK</div><div>9857</div><div>REGISTERED LAND SURVEYOR</div></div><div>Signature and Seal of Professional Surveyor</div><div>Certificate Number</div></div>

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

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

Form C-102
Revised February 21, 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

API Number <u>30-039-25526</u>	Pool Code 72319	Pool Name BLANCO MESA VERDE
Property Code 008480-1033	Property Name Rosa Unit	Well Number 125 E
OGRID No. 120782 16189	Operator Name <u>Walsh Engr. & Prod. Co.</u> Northwest Pipeline Production	Elevation 6345'

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
J	13	31 N	6 W		1670'	FSL	1035'	FEL	R.A.

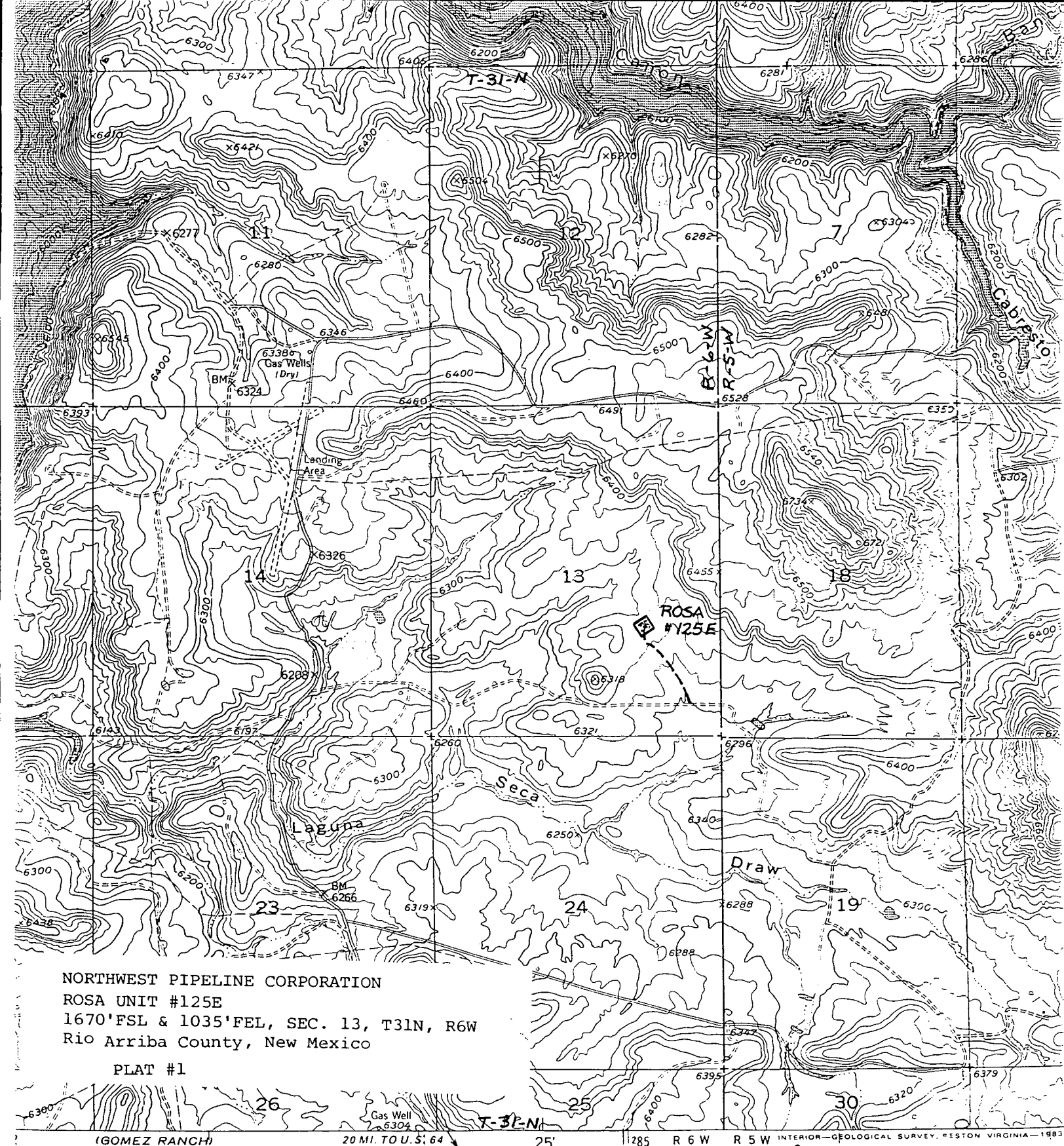
11 Bottom Hole Location If Different From Surface

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	13 Joint or Infill	14 Consolidation Code	15 Order No.
223.28	Y	U	

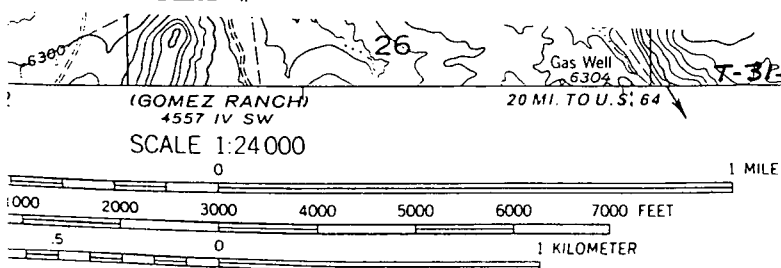
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <u>Paul C. Thompson</u> Signature Paul C. Thompson, P.E. (AGENT) Printed Name President Walsh Engr. & Prod. Corp. Title Date 3/6/95
	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. 2-20-95 Date of Survey Signature and Seal of Professional Surveyor
	Certificate Number



NORTHWEST PIPELINE CORPORATION
ROSA UNIT #125E
1670'FSL & 1035'FEL, SEC. 13, T31N, R6W
Rio Arriba County, New Mexico

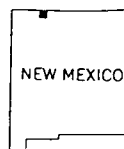
PLAT #1



CONTOUR INTERVAL 20 FEET

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

BANCOS MESA NW, NEW MEXICO
7.5 MIN. USGS QUAD



NEW MEXICO

Light-duty

BAN

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION TO DRILL" for permit for such proposals

RECEIVED
BLM

58 MAY -7 AM 11:31

5. Lease Designation and Serial No.
SF-078767

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
ROSA UNIT

8. Well Name and No.
ROSA UNIT #125

9. API Well No.
30-039-25144

10. Field and Pool, or Exploratory Area
~~IGNACIO~~ BLANCO DK/MV

11. County or Parish, State
RIO ARRIBA, NM

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

3. Address and Telephone No.
PO BOX 3102 MS 37-4, TULSA, OK 74101 (918) 588-4592

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
970' FNL & 1190' FEL, NW/4 NE 1/4 SEC 13-31N-6W

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

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment

RECEIVED
MAY 13 1998
OIL CON. DIV.

TYPE OF ACTION

- ☐ Abandonment
☒ Recompletion
☒ Plugging Back DAKOTA
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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.)*

4-05-1998 MOL and RU. Spot all equipment. Fill rig pit.

4-07-1998 Drove to location. Blew well down. 1500# on backside. NDWH. NU BOP. Unseat donut and tally out of hole. TIH with tbg and scraper to 7890'. TOH. TIH with tbg and cmt retainer. Set @ 7881'. Rig up BJ. Load with water and PT tbg to 3500#. PT csg to 3340#. P&A Dakota. Cmt Dakota with 65 sx class "H" below retainer and 10 sx above retainer. Sting out of retainer and TOH with 60 stands. Secure location. SDON.

4-08-1998 Start rig & TOH w/ tbg. RU Blue Jet & run CBL/ GR/CCL from 6203' to 4200'. Cement top @ 5650' - no cement across CH/Menefee. TIH & shoot squeeze 3 holes @ 5120'. Load hole & break down @ 800#. Pumped into formation @ 2-1/2 to 2-3/4 bpm @ 1200#. Drain pumps & lines. Secure location & SDON.

4-09-1998 RIH w/ tbg. & set packer @ 4897'. RU BJ Services & establish rate - 1-1/2 bpm @ 1000#. Load back side & pressure up to 500#. Squeeze w/ 50 sx. Class "B". Pumped cement at 1 to 1-3/4 bpm @ 1500# - 2000#. Shut in w/ 2750# on squeeze. WOC. Check flow back - none. Release packer & pull 10 stands slow. TOH w/ tbg. & packer. RU Blue Jet & shot 3 squeeze holes @ 4900'. Establish rate 4-1/2 - 5 bpm. RIH w/ tbg. & set packer. RD Blue Jet & RU BJ Services. Had trouble w/ valves. Squeeze perms. @ 4900' w/ 50 sx of Class "B" neat @ 2-1/2 bpm @ 1000# - 1700#. Clear packer & SD. Squeeze cement to 2000# w/ last 4 bbls of cement. RD BJ & SD w/ 2000# on well. Secure location & SDON.

CONTINUED ON PAGE 2

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

Signed Susan Griguhn
SUSAN GRIGUHN

Title CLERK Date May 2, 1998

ACCEPTED FOR RECORD

(This space for Federal or State office use)

Approved by _____

Title _____

MAY 03 1998

Conditions of approval, if any:

FARMINGTON DISTRICT OFFICE

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.

4-10-1998 Thaw pumps, lines & well head. Release packer & TOH. RIH w/ 2-3/8" tbg. & 3-7/8" bit. Tag up on cement @ 4832'. Circulate clean. Pressure test casing to #2500, broke back. Pump into formation @ 1/4 - 1/2 bpm @ 1600#. TOH & remove bit. RIH w/ tbg. open ended to 4896'. Change out both casing valves (both bad). RU BJ Services. Establish rate 0.3 bpm @ 1650#. SD & mix cement. Spot 20 sx of Class "B" neat @ 4896'. Close rams & squeeze 1-1/2 bbls into formation. Max pressure: 2800#. Shut well in & wash up pumps & lines. After 35 min. pressure still 2800#.

4-11-1998 Bleed off 1700# of pressure. TOH w/ tbg. Make up 3-7/8" bit & TIH. Tag up on cement @ 4710'. Break circulation. Drill out squeeze & circulate hole clean. Pressure test to #3200 for 15 min. - held OK. RIH & tag up on cement @ 5011'. Break circulation & drill out squeeze. Pressure test to 3250# for 15 min. - held OK. TIH to 6250' & circulate hole clean. TOH. Secure location & SDON.

4-12-1998 RU Blue Jet. RIH with logging tool. Unable to get past 2740'. TOH and remove centralizers, still unable to get down. RIH with 3-7/8" gauge ring to 6700'. RIH with logging tool, still would not go down. TOH and ran gauge on bottom of logging tool. Ran logs from 5500' to 4750'. TIH with tbg to 6067' and spot 500 gals of 15% HCl and TOH. RU Blue Jet and perforate Point Lookout with 3-1/8" gun at the following depths: 5803', 06', 09', 12', 36', 39', 42', 45', 48', 50', 59', 67', 70', 73', 77', 81', 84', 87', 91', 95', 99', 6901', 21', 23', 25', 6014', 47' and 67'. Total of 28 .36" holes. Ball off Point Lookout with water and 42 RCN neutral density ball sealers. Ball action good and complete @ 3100#. Test lines and RU for frac while running junk basket. Recovered 42 balls with 41 hits. Frac Point Lookout with 82,000# of 20/40 Arizona sand. Pumped 357 Bbl pad of slick water @ a rate of 65-80 BPM and 2810# - 2710#. Pumped sand in 1/2 - 2 PPG stages. ATP = 2350#, MTP = 2810#, AIR = 83 BPM, MIR = 85.5 BPM. Job complete @ 13:18 hrs 4-11-1998. Total fluid pumped = 2136 Bbls. RU Blue Jet and RIH with CIBP to 5700'. Set plug and TOH. Test plug with pump truck, did not test. Call for pkr. RIH with tbg and found leak @ 4900'. Pumped into formation @ 4.5 BPM and 2200#. Secure location and SDON.

4-14-1998 TIH with tubing and packer. Set packer at 4703'. Wait on BJ. Rig up BJ and pressure test lines to 4500#. Load annulus and pressure to 500#. Squeeze hole at 4900' with 25 sx thick set with 4# gilsonite/sk and 75 sx Cl "B" neat cement. Pumped cement at 2 bpm at 2000#. Displaced with fresh water. Hole squeezed off with 7 sx of cement in the casing and 93 sx outside. Final squeeze pressure was 2800#. Wash pumps and lines. SI well to WOC.

4-15-1998 Start rig. Found well with 1700#. Bleed off pressure. Release and TOH with packer. Pick up 3-7/8" bit and TIH. Tag cement at 4735'. Break circulation and drill cement to 4915'. Circulate hole clean. Pressure test to 3200# - held OK. TOH with bit. Rig up Blue Jet and run CBL from 5100' - 4700'. Cement is OK. RIH with perf gun and set at the bottom perf. Pressure well to 1250# and shot bottom hole. Shot remaining 22 .36" perf holes @ the following depths: 5234', 39', 43', 47', 51', 55', 59', 63', 67', 71', 75', 79', 5333', 36', 39', 80', 89', 5516', 18', 52' and 54'. Well on a vacuum.

4-16-1998 RU BJ Services. Ball off Menefee/Cliff House. Ball action good & complete @ 3100#. RIH w/ junk basket & knock balls off. Frac Cliff House/Menefee w/ 78,540# of 20/40 Arizona sand. Pumped 476 bbl pad of slickwater @ 40 bpm @ 2200#. Pumped sand in 1/2, 1, 1-1/2 & 2 ppg stages. Total fluid: 2,226 bbls. Job complete @ 0804 hrs. 4/15/98. ISIP: 100#, 5 min: 0#. ATP: 2,023#, MTP: 2,650#, AIR: 63 bpm, MIR: 64.5 bpm. RIH w/ RBP & set @ 5080'. RIH w/ dump bailer & dump sand on top of plug. RIH w/ perf. guns - would not go to bottom. RU to circulate out sand. TIH & circulate out sand. TOH. RIH w/ perf. guns & perforate over balanced - 1200#. Perfs: 4798, 99, 4800, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 4881, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94. Total of 38 holes (EHD: 0.36"). Ball off Lewis w/ 67 balls in water. Good ball action & complete @ 2900#. RIH w/ junk basket & recover 66 balls w/ 30 hits. Frac Lewis w/ 84,480# of 20/40 in 60 quality foam w/ 30# x-link gel. Pumped sand in 1, 2, 3 & 4 ppg stages. Job complete @ 1550 hrs. 4/15/98. ISIP: 1,726#, 5 min: 1,458#. 10 min: 1,450#. 15 min: 1,430#. ATP: 1,810#, MTP: 2,680#, AIR: 41 bpm, MIR: 43 bpm. Total fluid 453 bbls. Open to flow back @ 1600 hrs. @ 1730 hrs. pressure down to 1,100#.

4-17-1998 Lewis flowing 400# thru 1/4" choke. Pressure increased to 750# making sand & water. Pressure down to 400# making heavy sand & water. Pressure fell to 250# but still making heavy sand & water. Change choke to 1/2". Flowing steady mist of water & sand. Turn over to night watch.

4-18-1998 Open choke. Flow through 2". Pressure decreased to 200#. Gas will burn, heading and flowing open to blooie line. RIH with 2-3/8" tbg open ended and tagged sand @ 4850'. CO sand with compressor to top of RBP @ 5080'. Ran sweeps every 1/2 hr. Pulled up to 2450'. Secure location and shut well in for over night build up.

4-19-1998 Found well with 700 #. Buildup pressure in 14 hours. Blow well down to 75 - 100# and open through blooie line. TIH and tag sand at 5075'. Clean out to RBP. POH to 4894' and blow with compressor. Recovering small amount of sand and no water. Ran soap sweep and killed tubing. POH to 4740'. Ran soap sweep. SI well for 36 hour build up.

4-21-1998 Found Lewis w/ 950#, blow tbg. down to 100#. Take pitot guage: 8# through 2" = 1,756 mcf. Let well flow & take pitot guage: 980 mcf. Take 2 more readings 30 min apart - holding steady @ 980 mcf. RIH w/ tbg. & tag RBP - no fill (had to kill well twice, making water & sand). TOH & PU retrieving head. TIH & latch onto RBP. TOH w/ RBP. RIH to liner top & flow well w/ compressor. Making heavy sand & water. Turn over to night watch.

4-22-1998 TIH and tag sand at 5471'. Clean out sand to 5700'. Ran soap sweeps at 30 min. intervals. Less sand with each sweep. Ran soap sweeps at 1 hr. intervals. No sand recovery at 1730 hrs sweep. POH to 5000'. Gauged well at 1948 MCFD. Turned well over to watchman.

4-23-1998 TIH and tag sand at 5690'. Clean out sand to 5700' and ran two soap sweeps. TOH and pitot test well at 1948 MCFD. Pick up mill and TIH. Drill CIBP. Let head blow off lower zone. Continue pushing CIBP to 6510'. TOH and remove mill. TIH open ended and ran soap sweep at 5000'. Secured location and turned well over to watchman.

4-24-1998 TIH and clean out sand to 6510'. Well quit making sand at 0930 hrs. but continued blowing well with compressor until 1100 hrs. TOH and laid down extra tubing. Pitot gauged well at 2416 MCFD. Rig up Blue Jet and set CIBP at 4975' to isolate and test Lewis. TIH and landed 2-3/8" tubing at 4895'. Unload small amount of water. Rig down rig and equipment. FINAL REPORT.

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-104
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

OIL CONSERVATION DIVISION

District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87450-2088

1000 Rio Brazos Rd.,
Aztec, NM 87410

☐ AMENDED REPORT

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address WILLIAMS PRODUCTION COMPANY P. O. BOX 3102 TULSA, OK 74101		² OGRID Number 120782
		³ Reason for Filing Code NW
⁴ API Number 30-039-25144	⁵ Pool Name BLANCO MV	⁶ Pool Code 72319
⁷ Property Code 0017033	⁸ Property Name Rosa Unit	⁹ Well Number #125

II. ¹⁰ Surface Location									
UL or lot no. B	Section 13	Township 31N	Range 6W	Lot Idn	Feet from the 970'	North/South Line NORTH	Feet from the 1190'	East/West line EAST	County RIO ARRIBA

III. Bottom Hole Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lse Code FED	¹³ Producing Method Code		¹⁴ Gas Connection Date		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

III. Oil and Gas Transporters					
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address		²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
009018	GIANT REFINING P. O. BOX 12999 SCOTTSDALE, AZ 85267		2821204	O	
025244	WILLIAMS FIELD SERVICES ATTN: NANCY DEAN PO BOX 58900 2M3 SALT LAKE CITY UTAH 84158-0900		2821205	G	B 13 31N 6W

IV. Produced Water	
²³ POD 2821206	²⁴ POD ULSTR Location and Description

V. Well Completion Data				
²⁵ Spud Date 11-8-1991	²⁶ Ready Date 4-23-1998	²⁷ TD 8242'	²⁸ PBTD 7795' 8230'	²⁹ Perforations 4798' - 6067'
³⁰ Hole Size	³¹ Casing & Tubing Size	³² Depth Set		³³ Sacks Cement
12-3-4"	10-3/4" 40.5#	416'		400 SX
9-7/8"	7-5/8" 24.6#	4225'		1505 SX
6-3/4"	4-1/2" 11.6#	2524' - 8242'		875 SX
	2-3/8"	4895'		

VI. Well Test Data					
³⁴ Date New Oil	³⁵ Gas Delivery Date	³⁶ Test Date 4-30-1998	³⁷ Test Length 3 hrs	³⁸ Tbg. Pressure 20#	³⁹ Csg. Pressure 145#
⁴⁰ Choke Size	⁴¹ Oil	⁴² Water	⁴³ Gas 900	⁴⁴ AOF	⁴⁵ Test Method Pitot

⁴⁶ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Susan Griguin</i>		OIL CONSERVATION DIVISION	
Printed name: S. Griguin		Approved by: <i>Ernie Burch</i>	
Title: Drilling Clerk		Title: DEPUTY OIL & GAS INSPECTOR, DIST. #3	
Date: May 11, 1998		Approval Date: MAY 22 1998	
Phone: (918) 561-6254			

⁴⁷ If this is a change of operator fill in the OGRID number and name of the previous operator			
Previous Operator Signature	Printed Name	Title	Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN
DUPLICATE

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

(See other instructions on
reverse side)
RECEIVED
OIL M

5. LEASE DESIGNATION AND LEASE NO.
SF-078767

6. IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG* MAY 11 1998

1a. TYPE OF WELL: ☐ OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER

b. TYPE OF COMPLETION:
☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR ☐ OTHER

2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY

7. UNIT AGREEMENT NAME
ROSA UNIT

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 3102 MS 37-2 TULSA, OK 74101 (918) 561-6678

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #125

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface 970' FNL & 1190' FEL
At top production interval reported below : At total depth:

9. API WELL NO.
30-039-25144

10. FIELD AND POOL, OR WILDCAT
IGNACIO BLANCO MV

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
NW/4 NE/4 SEC 13-31N-6W

15. DATE
SPUDDED
11-8-1991

16. DATE T.D.
REACHED
12-5-1991

17. DATE COMPLETED (READY TO PRODUCE)
4-23-1998

14. PERMIT NO.
DATE ISSUED
6491'GR

12. COUNTY OR
RIO ARRIBA
13. STATE
NEW MEXICO

19. ELEVATION CASINGHEAD

20. TOTAL DEPTH, MD & TVD
8242'

21. PLUG, BACK T.D., MD & TVD
8230'
2795'

22. IF MULTICOMP.,
HOW MANY 2

23. INTERVALS
DRILLED BY

ROTARY TOOLS
X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
IGNACIO BLANCO MV 4798' - 6067'

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN
CBL, GAS SPECTRUM,

27. WAS WELL CORED
NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
10-3/4" K-55	40.5#	416'	12-3/4"	400 SX - SURFACE	
7-5/8" K-55	24.6#	4225'	9-7/8"	1505 SX - SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	2524'	8241'	875 SX		2-3/8"	4895'	

31. PERFORATION RECORD (Interval, size, and number)

Lewis: 4798', 99', 4800', 01', 02', 03', 04', 05', 06', 07', 08', 09', 10', 11',
12', 13', 14', 15', 16', 17', 18', 19', 20', 21', 22', 23', 4881', 82', 83', 84', 85',
86', 87', 88', 89', 90', 91', 92', 93', 94'. Total of 38 0.36" holes.
CHI/Menelee: 5234', 39', 43', 47', 51', 55', 59', 63', 67', 71', 75', 79', 5333',
36', 39', 80', 89', 5516', 18', 52', 54'. Total of 22 0.36" holes.
Pt Lookout: 5803', 06', 09', 12', 36', 39', 42', 45', 48', 50', 59', 67', 70', 73',
77', 81', 84', 87', 91', 95', 99', 6901', 21', 23', 25', 6014', 47', 67'. Total of
28 0.36" holes.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

4798'-4894' 84,480# 20/40 Sand in 453 BBIs slick water

5234' - 5554' 78,540# 20/40 Sand in 2226 BBIs slick water

5803' - 6067' 82,000# 20/40 Sand in 2136 BBIs slick water

33. PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) Flowing				WELL STATUS (PRODUCING OR SH) SHUT IN	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF	WATER - BBL.	GAS-OIL RATIO
4-30-1998	3 hrs				113		
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL.	GAS - MCF	WATER - BBL.	OIL GRAVITY-API (COR)
20#	145#				900		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

TEST WITNESSED BY: CHIK CHALEY

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Susan Griguin

TITLE Drilling Clerk

DATE May 5, 1998

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MAY 13 1998

OIL CON. DIV.
DIST. 3

ACCEPTED FOR RECORD

MAY 08 1998

FARMINGTON DISTRICT OFFICE

37 SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, test, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38 GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP		
					NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
OJO ALAMO	2710'	3170'					
FRUITLAND	3170'	3427'					
PICTURED CLIFFS	3427'	3640'					
LEWIS	3640'	5232'					
CLIFF HOUSE	5232'	5582'					
MENEREE	5582'	5824'					
POINT LOOKOUT	5824'	6151'					
MANCOS	6151'	7900'					
GRNEROS	7900'	8008'					
DAKOTA	8008'						

RECEIVED
OLM

ROSA UNIT #125

98 MAY -7 AM 11:31

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

070 Elevation: 6491' GR NM
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'

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

Lewis perfs:
4798'- 4894'

3 squeeze holes @ 4900'. Squeezed with 70 sx cmt.
3 squeeze holes @ 5120'. Squeezed with 50 sx cmt.

CH/Menefee perfs:
5234'- 5554'

Point Lookout perfs:
5803'- 6067'

Cement retainer @ 7881'.

Dakota perfs:
7942'- 8174'

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'

PBTD 8230'

TD: 8242'

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.

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

OIL CONSERVATION DIVISION

PO Box 2088

Santa Fe, NM 87504-2088

Form C-104

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

5 Copies

☒ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address WILLIAMS PRODUCTION COMPANY P.O. BOX 58900 MS 2M3 SALT LAKE CITY, UTAH 84158-0900		² OGRID Number 120782
⁴ API Number 30-039-25144		⁵ Pool Name BASIN DAKOTA
⁶ Pool Code 71599		³ Reason for Filing Code CHI Effective Date: 3/27-95
⁷ Property Code 17023	⁸ Property Name ROSA UNIT	⁹ Well Number #125

II. ¹⁰ Surface Location

UL or lot no. B	Section 13	Township 31N	Range 6W	Lot Idn	Feet from the 970'	North/South NORTH	Feet from the 1190'	East/West EAST	County RIO ARRIBA
--------------------	---------------	-----------------	-------------	---------	-----------------------	----------------------	------------------------	-------------------	----------------------

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lsc Code F	¹³ Producing Method Code D	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
008471	GARY WILLIAMS ENERGY 310 17TH ST. SUITE 5300 DENVER CO 80202	2815139	O	B 13 31N 6W
025244	WILLIAMS FIELD SERVICES ATTN: GLENNA BITTON PO BOX 58900 MS 1A2 SALT LAKE CITY UTAH 84158-0900	2806917	G	

IV. Produced Water

²³ POD 2806918	²⁴ POD ULSTR Location and Description
------------------------------	--

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBTD	²⁹ Perforations
³⁰ Hole Size	³¹ Casing & Tubing Size	³² Depth Set	³³ Sacks Cement	

VI. Well Test Data

³⁴ Date New Oil	³⁵ Gas Delivery Date	³⁶ Test Date	³⁷ Test Length	³⁸ Tbg. Pressure	³⁹ Csg. Pressure
⁴⁰ Choke Size	⁴¹ Oil	⁴² Water	⁴³ Gas	⁴⁴ AOF	⁴⁵ Test Method

⁴⁶ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: Susan Griguin

Title: Clerk

Date: May 26, 1995

Phone: (801)584-6879

OIL CONSERVATION DIVISION

Approved by:

37.8
SUPERVISOR DISTRICT #0

Title:

Approval Date:

MAY 30 1995

⁴⁷ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature NWP	Printed Name	Title	Date
------------------------------------	--------------	-------	------

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

6. Lease Designation and Serial No.

SF-078767

8. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Rosa Unit #125

9. API Well No.

3003925144

10. Field and Pool, or Exploratory Area

BASIN DAKOTA

11. County or Parish, State

Rio Arriba NEW MEXICO

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

AMOCO PRODUCTION COMPANYYY

Attention:

Gail M. Jefferson, Rm 1942

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)

970'FNL

1190'FEL

Sec. 13 T 31N R 6W

Unit B

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

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other Change of Operator

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ 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.)

Effective March 27 1995 Amoco Production Company will turn over operatorship on the subject well to Williams Production Company.

Copy to:

Williams Production Company

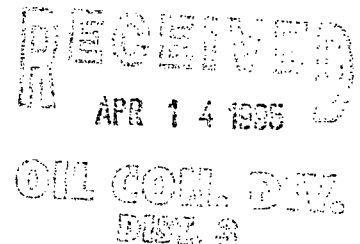
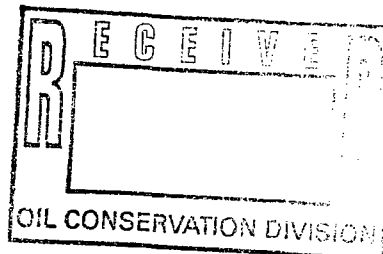
P. O. Box 58900

Salt Lake City, Utah 84158-0900

Attn: Mark McCallister

If you have any questions, please contact Bob Wilbanks at (303) 830-5066.

K0811E37



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

Signed

Gail M. Jefferson

Title

Business Assistant

03-27-1995

(This space for Federal or State office use)

ACCEPTED FOR RECORD

Approved by

Title

APR 07 1995

Conditions of approval, if any:

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 statement, representations as to any matter within its jurisdiction.

FARMINGTON DISTRICT OFFICE
BY *[Signature]*

In Lieu of
Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRIY 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

RECEIVED
BLM

95 APR 24 PM 2:47

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

5. Lease Designation and Serial No.
SF-078767

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
ROSA UNIT #125

9. API Well No.
30-039-25144

10. Field and Pool, or Exploratory Area
BASIN DAKOTA

11. County or Parish, State
RIO ARRIBA, NEW MEXICO

SUBMIT IN TRIPLICATE

070 FARMINGTON, NM

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
NORTHWEST PIPELINE CORPORATION

3. Address and Telephone No.
PO BOX 58900 MS 2M3, SALT LAKE CITY, UTAH 84158-0900 (801) 584-68795

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
970' FNL & 1190' FEL SEC 13, T31N, R6W B

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

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other CONTINUE S.I. STATUS

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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.)*

Williams Prod.

Northwest Pipeline requests continued S.I. status for this well for 6 months. Northwest Pipeline is now the operator of this well. We are currently negotiating with Amoco for their working interest. We plan to either plug back the Dakota and test the Mesaverde or P&A the well.

RECEIVED
MAY - 1 1995

THIS APPROVAL EXPIRES NOV 01 1995

OIL CON. DIV.
DIST. 3

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

Signed STERG KATIRGIS

SKK

Title SR. ENGINEER

Date April 21, 1995

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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.

*See Instruction on Reverse Side

APPROVED

APR 27 1995

NMOCD

DISTRICT MANAGER

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Designation and Serial No.

SF-078767

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Rosa Unit #125

9. API Well No.

3003925144

10. Field and Pool, or Exploratory Area

BASIN DAKOTA

11. County or Parish, State

Rio Arriba NEW MEXICO

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

AMOCO PRODUCTION COMPANY

Attention:

Gail M. Jefferson, Rm 1942

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)

970'FNL 1190'FEL

Sec. 13 T 31N R 6W

Unit B

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

TYPE OF SUBMISSION

TYPE OF ACTION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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.)

Effective March 27 1995 Amoco Production Company will turn over operatorship on the subject well to Williams Production Company.

Copy to:

Williams Production Company
P. O. Box 58900
Salt Lake City, Utah 84158-0900

Attn: Mark McCallister

If you have any questions, please contact Bob Wilbanks at (303) 830-5066.

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

Signed

Gail M. Jefferson

Title

Business Assistant

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

APR 07 1995

Date

FARMINGTON DISTRICT OFFICE

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.

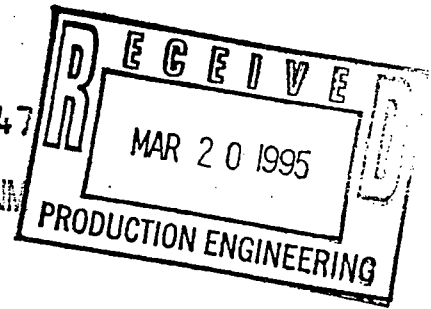
* See Instructions on Reverse Side

NMOCD



United States Department of the Interior

RECEIVED
BUREAU OF LAND MANAGEMENT
Farmington District Office
1235 La Plata Highway
Farmington, New Mexico 87401



IN REPLY REFER TO:
NMSF-078767 et al. (WC)
3162.3-2 (07337)

070 FARMINGTON, NM

CERTIFIED--RETURN RECEIPT REQUESTED
Z 082 203 679

Northwest Pipeline Corp
% Williams Production Co.
Attn: Mr. Sterg Katirgis
P.O. Box 58900
Salt Lake City, UT 84158-0900

MAR 15 1995

Dear Mr. Katirgis:

Our records indicate that you are the operator of the following well:

1) No. 125 Rosa Unit, 970' FNL & 1190' FEL Sec. 13, T. 31 N., R. 6 W, Rio Arriba County, Lease NMSF-078767. Well has never produced.

Title 43 CFR Section 3162.3-4 requires that the lessee shall promptly plug and abandon, condition as a service well, or condition as a water well, any well on a lease that is not used or useful for the purpose of the lease. Accordingly, you are required to advise this office by Sundry Notice within 30 calendar days of your intent to perform one of the following:

1. Condition the well to a useful function.
2. Temporarily abandon the well.
3. Continued shut-in status.
4. Permanently plug and abandon the well.

The Bureau of Land Management's Definition of a shut-in well is a completion that is physically and mechanically capable of production in paying quantities or capable of service use. The definition of a temporarily abandoned well is a completion that is not capable of production in paying quantities but which may have value as a service completion.

See attached General Requirements for Non-Producing wells on Federal leases.

The 30 calendar days commences upon receipt of this letter or seven days from the date it is mailed, whichever is less. Failure to comply within the 30 calendar days will result in strict enforcement of 43 CFR 3163.1.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

OIL CONSERVATION DIVISION
6. Lease Designation and Serial No. RECEIVED
SF-078767
6. If Indian, Allotted or Tribal Name
35 MAR 20 PM 8 5

1. Type of Well

☐ Oil Well

☒ Gas Well

☐ Other

NORTHWEST Pipeline

2. Name of Operator

AMOCO PRODUCTION COMPANY

Attention:

Gail M. Jefferson, Rm 1942

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)

970'FNL

1190'FEL

Sec. 13 T 31N R 6W

Unit B

7. If Unit or CA, Agreement Designation

8. Well Name and No.

ROSA UNIT

#125

9. API Well No.

3003925144

10. Field and Pool, or Exploratory Area

BASIN DAKOTA

11. County or Parish, State

RIO ARRIBA

NEW MEXICO

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

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other Cancel Plugback and Rec.

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

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 requested approval to plug back and recomplete the Mesaverde and Pictured Cliffs in the above referenced well by Sundry dated 5/23/93 and approved 6/3/93 and hereby notifies the Bureau of Land Management that Amoco is no longer the operator of the well. Well ownership has been turned over to Northwest Pipeline.

Please contact me if you need any additional information.

3/17/95 Was Contracted for a change.

RECEIVED
MAR 13 1995

OIL CON. DIV.
DIST. 3

00111-2 11:10:51
00111-2 11:10:51

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

Signed

Gail M. Jefferson

Title

Business Assistant

Date

02-28-1995

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

ACCEPTED FOR RECORD

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.

* See Instructions on Reverse Side

AMOCO

FARMINGTON DISTRICT OFFICE

27

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OIL CONSERVATION DIVISION
RECEIVED

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

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-078767

6. Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

ROSA UNIT NO. 125

9. API Well No.

3003925144

10. Field and Pool, or Exploratory Area

BASIN DAKOTA

11. County or Parish, State

RIO ARRIBA,

NM

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Attention:

Amoco Production Company

D. C. Kalahar

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

(303) 830-5129

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

970'FNL

1190'FEL

Sec. 13 T 31N R 6W

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

TYPE OF SUBMISSION

TYPE OF ACTION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

- ☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other TEMPORARY PIT

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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 intends to abandon the Dakota Formation in the subject well and recomplete (plug back) to the Mesa Verde and Pictured Cliffs per the attached procedures.

Amoco also requests approval to construct a temporary 15'x15'x5' (maximum size) blow pit for return fluids. This pit will be reclaimed upon completion of the operation

If there are any questions, please contact Dallas Kalahar at 303-830-5129.

RECEIVED

JUN 7 1993

SEE ATTACHED FOR OIL CON. DIV.
CONDITIONS OF APPROVAL DIST. 3

070 FARMINGTON, NM

93 JUN -1 PM 1:15

RECEIVED
BLM

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

Signed

Dallas Kalahar

Title

Business Analyst

Date

05-28-1993

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title

APPROVED

Date

JUN 08 1993

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.

Rosa Unit 125

13-31N-6W

Basin Dakota PXA

Mesa Verde/Pictured Cliffs Recompletion

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 3/8" tbg. RIH with tbg and cement retainer. Set retainer at 6400'. Pump 280.24 cuft cement pull out of retainer and dump 2 barrels cement on top of retainer. Circulate hole clean. WOC. (PBSD = 6275')
4. TIH w/bit and scraper (4.5" csg, 11.6 lb/ft, K-55). Tag bottom. TOOH.
5. Install frac head, if possible, otherwise install isolation tool and pressure test. Swab fluid level down to \pm 5700'.
6. TIH w/3 1/8" perforating gun, 90 deg phasing. Perforate MV under balanced w/2 SPF, 12 g charge from 5800-06', 5829-41', 5867-72' and 5898-09'. Correlate to attached GR. Report surface pressures on daily reports.
7. Fracture stimulate down casing according to the attached procedure.
8. TIH with ret BP. Set at 5700' (100' above MV perfs). Dump sand on top of BP.
9. TIH w/3 1/8" perforating gun, 90 deg phasing. Perforate PC under balanced w/2 SPF, 12 g charge from 3340-3364', 3368-78', 3386'-98'. Correlate to attached GR. Report surface pressures on daily reports.
10. Fracture stimulate down casing according to the attached procedure.
11. Flow well back slowly after one (1) hour.
12. TIH w/tbg with blast joints across PC perfs. Circulate out fill with Nitrogen. TOOH w/BP and clean out to PBSD (6275').
13. When sand production stops land tbg at 5600' with packer at 2500' to separate MV and PC. Swab well in if necessary to produce Mesaverde up tubing and Pictured Cliffs up casing.
14. RDMOSU.

BLM CONDITIONS OF APPROVAL

Operator Amoco Production Company Well Name 125 Rosa Unit

Legal Location 970'FNL/1190'FEL Sec. 13 T. 31 N. R. 6 W.

Lease Number SF-078767 Field Inspection Date n/a

The following stipulations will apply to this well unless a particular Surface Managing Agency or private surface owner has supplied to BLM and the operator a contradictory environmental stipulation. The failure of the operator to comply with these requirements may result in the assessments or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on the location during construction, drilling and reclamation activity.

An agreement between operator and fee land owner will take precedence over BLM surface stipulations unless (In reference to 43 CFR Part 3160) 1) BLM determines that operator's actions will affect adjacent Federal or Indian surface, or 2) operator does not maintain well area and lease premises in a workmanlike manner with due regard for safety, conservation and appearance, or 3) no such agreement exists, or 4) in the event of well abandonment, minimal Federal restoration requirements will be required.

1. Pits will be fenced during work-over operation.
2. All disturbance will be kept on existing pad.
3. No construction, drilling or completion activities shall be conducted between December 1 and March 31 because of deer/elk wintering habitat.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CONSERVATION DIVISION
RECEIVED

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

SUNDRY NOTICES AND REPORTS ON WELLS AM 9 11

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-078767

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Rosa Unit #125

9. API Well No.

30-039-25144

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

Rio Arriba, NM

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company

Attention

Lori Arnold, rm. 1232

3. Address and Telephone No.

P. O. Box 800, Denver, CO 80201

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

970' FNL 1190' FEL S 13 T 31N R 6W

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

TYPE OF SUBMISSION

TYPE OF ACTION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Current Status

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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.)

Upon further testing it has been decided that the well is incapable of commercial production. Amoco intends to P&A the Dakota formation. Currently, the well is being evaluated for uphole recompletion.

RECEIVED
FEB 16 1993
OIL CON. 1
DIST. 3

THIS APPROVAL EXPIRES JUN 01 1993

RECEIVED
BLM
93 FEB -4 AM 11:12
070 FNL 1190' FEL S 13 T 31N R 6W
RIO ARRIBA, NM

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

Signed

Lori Arnold

Title

Business Analyst

Date

2/1/93

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

NMOCN

APPROVED

FEB 10 1993

AREA 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.

Submit 3 Copies
Appropriate District Office
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

RECEIVED
Form C-101
Revised 1-1-89
See Instructions
Bottom of Page
OCT 01 1992 PM 10 02

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Operator AMOCO PRODUCTION COMPANY	Well API No. 30-039 25144
Address P.O. BOX 800, DENVER, COLORADO 80201	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input checked="" type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>

If change of operator give name and address of previous operator

II. DESCRIPTION OF WELL AND LEASE

Lease Name Rosa Unit	Well No. 125	Pool Name, including Formation Basin Dakota	Kind of Lease FED	Lease No. SF-078767
Location				
Unit Letter B	: 970	Feet From The North	Line and 1190	Feet From The East
Section 13	Township 31N	Range 6W	NMPM,	Rio Arriba County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
Northwest Pipeline Corporation	P.O. Box 58900, Salt Lake City, UT 84158	
If well produces oil or liquids, give location of tanks.	Unit	Soc.
	Twp.	Rge.
		Is gas actually connected? When?

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
		XX	XX					
Date Spudded 11-8-91	Date Compl. Ready to Prod. 9-25-92	Total Depth 8242	P.D.T.D. 8230					
Elevations (DF, RKB, RT, GR, etc.) 6491 GR	Name of Producing Formation Dakota	Top Oil/Gas Pay 7942	Tubing Depth 8046					
Perforations 7942-8174 Dakota			Depth Casing Shoe					
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
14 3/4"	10 3/4"	416	400 sx Glass B					
9 7/8"	7 5/8"	4225	1st stg 555 sx, 2nd					
	2 3/8"	8046	stg 950 sx					
	4 1/2" Liner	8241	875 sx					

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	RECEIVED SEP 29 1992 OIL CON. DIST
Length of Test	Tubing Pressure	Casing Pressure	
Actual Prod. During Test	Oil - bbls.	Water - bbls.	

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
	400	1000	

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Cynthia Burton / ps
Cynthia Burton, Staff Admin. Supervisor
September 28, 1992 303-830-5119
Date Telephone No.

OIL CONSERVATION DIVISION
10-1-92
Date Approved OCT 01 1992
By [Signature]
Title SUPERVISOR DISTRICT # 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

STATE, DESIGNATION AND SERIAL NO.

SF-078767

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other ☐

2. NAME OF OPERATOR
Amoco Production Company Attn: Ed Hadlock

3. ADDRESS AND TELEPHONE NO.
P.O. Box 800 Denver, CO 80201 (303) 830-4982

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 970 FNL, 1190' FE: MW/NE Unit "B"

At top prod. interval reported below Irregular Section NSP 1638 (L)

At total depth

14. PERMIT NO. DATE ISSUED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. TRIT AGREEMENT NAME

Rosa Unit

8. FARM OR LEASE NAME, WELL NO.

#125

9. API WELL NO.

30-039-25144

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 13, T31N-R6W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

15. DATE SPUDDED 11/8/91 16. DATE T.D. REACHED 12/5/92 17. DATE COMPL. (Ready to prod.) 9/25/92 *

18. ELEVATIONS (DF, RKB, RT, OR, ETC.)* 6491' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 8242 21. PLUG, BACK T.D., MD & TVD 8230 22. INTERVALS COMPLETED BY ROTARY TOOLS b-TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Dakota (7942-8174)

OCT 01 1992

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL/CAL/NGT/GR/FDC/CNL/CBL/GR/CCL

OIL CON. DIV.
DIST. 3

27. WAS WELL CORDED

No

Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
10 3/4"	40.5#	416	12 3/4"	400 sx Class B	18 BBLs
7 5/8"	24.6#	4225	9 7/8"	1st stage 555 sx	
				2nd stage 950 sx	135 BBLs

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4.5"	2524'	8241	875 sx		2 3/8"	8046	

31. PERFORATION RECORD (Interval, size and number)

See Attachment

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7942-8174	See Attachment

33. PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

SI/Pending IP test & 1st delivery

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

Flow. tubing press. casing pressure CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

400 1000

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

*Well capable of commercial production

35. LIST OF ATTACHMENTS

Remedial cementing Perf & Frac Summary

ACCEPTED FOR RECORD

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Ed Hadlock

TITLE Admin Analyst

DATE SEP 28 1992

*(See Instructions and Spaces for Additional Data on Reverse Side)

FARMINGTON RESOURCE AREA

BY SMM agency of the

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Fruitland	3170	
				P.C. (tongue)	3330	
				Pictured Cliffs	3510	
				Lewis	44025	
				Cliff House	5232	
				Menefee	5588	
				Point Lookout	5826	
				Mancos	6310	
				Greenhorn	7843	
				Graneros	7900	
				Dakota	8008	
				Burro Canyon	8172	

REMEDIAL CEMENT WORK:

SET 7 5/8" PKR @ 2430'. SQUEEZE LINER TOP W/ 320 SX CLASS B. DISPLACE W/ 11.25 BBLs. DRILL OUT CMT 2462'-2542'. TOH W/ PKR. PRESSURE TEST TO 2500#. TIH W/3.75" BIT TO 8230'. DISPLACE HOLE W/ 2% KCL.

PERFORATE DAKOTA:

PERF 8158'-8160' W/8 JSPF, .31 INCH DIAMETER, 16 SHOTS, OPEN

PERF 8072'-8094' W/4 JSPF, .31 INCH DIAMETER, 88 SHOTS, OPEN

MINIFRAC DAKOTA:

SET RBP @ 8096'. FRAC #1: PMP 109 BBLs TO LOAD HOLE. START FRAC @ 4750 PSI, 41 BPM. ENDING PRESSURE 3847 PSI. SI 4 HOURS. FRAC #2: LOAD HOLE W/ 115 BBLs. FRAC @ 20 BPM-4300 PSI, 30 BPM-4600 PSI, 40 BPM 4800 PSI. FLUSH W/ 120 BBLs @ 4830 PSI. TOH W/ RBP.

PERFORATE DAKOTA:

PERF 8152'-8174' W/4 JSPF, .31 INCH DIAMETER, 88 SHOTS, OPEN

PERF 8140'-8146' W/4 JSPF, .31 INCH DIAMETER, 24 SHOTS, OPEN

PERF 8110'-8124' W/4 JSPF, .31 INCH DIAMETER, 56 SHOTS, OPEN

PERF 8077'-8079' W/8 JSPF, .31 INCH DIAMETER, 16 SHOTS, OPEN

PERF 8026'-8044' W/4 JSPF, .31 INCH DIAMETER, 72 SHOTS, OPEN

PERF 7942'-7949' W/8 JSPF, .31 INCH DIAMETER, 32 SHOTS, OPEN

FRAC DAKOTA:

FRAC WELL W/ 130499 GAL X-LINK GELLED 2% KCL H2O AND 411000# 20/40 OTTAWA SAND. LOW RATE 47.8 BPM. HIGH RATE 60 BPM. AVE 53.9 BPM. START PRESS. 3850 PSI. END PRESS. 5500 PSI. SI PRESS. 240 PSI.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

92 OCT 5 PM 10 00

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

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

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company

Attn: Ed Hadlock

3. Address and Telephone No.

P.O. Box 800 Denver, Colorado 80201 (303) 830-4982

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

970' FNL, 1190' FEL
Sec. 13, T31N, R 6W (NW/NE) "B"

5. Lease Designation and Serial No.

SF-078767

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Rosa Unit #125

9. API Well No.

30-039-25144

10. Field and Pool, or Exploratory Area

Basin Dakota Gas

11. County or Parish, State

Rio Arriba, N.M.

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

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other Rem. Cmt. Work/

Perf & Frac

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

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

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DIST. 3

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.)*

REMEDIAL CEMENT WORK:

SET 7 5/8" PKR @ 2430'. SQUEEZE LINER TOP W/ 320 SX CLASS B. DISPLACE W/ 11.25 BBLs. DRILL OUT CMT 2462'-2542'. TOH W/ PKR. PRESSURE TEST TO 2500#. TIH W/3.75" BIT TO 8230'. DISPLACE HOLE W/ 2% KCL.

PERFORATE DAKOTA:

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SET RBP @ 8096'. FRAC #1: PMP 109 BBLs TO LOAD HOLE. START FRAC @ 4750 PSI, 41 BPM. ENDING PRESSURE 3847 PSI. SI 4 HOURS. FRAC #2. LOAD HOLE W/ 115 BBLs. FRAC @ 20 BPM-4300 PSI, 30 BPM-4600 PSI, 40 BPM 4800 PSI. FLUSH W/ 120 BBLs @ 4830 PSI. TOH W/ RBP.

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PERF 8026'-8044' W/4 JSPF, .31 INCH DIAMETER, 72 SHOTS, OPEN

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

Signed

Ed Hadlock

Title

Admin. Analyst

Date

9/28/92

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

ACCEPTED FOR RECORD

SEP 29 1992

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.

*See Instruction on Reverse Side

BY

Jmr

FARMINGTON RESOURCE AREA

UNITED STATES OIL CONSERVATION DIVISION
DEPARTMENT OF THE INTERIOR RECEIVED
BUREAU OF LAND MANAGEMENT

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

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

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

Amoco Production Company Attn: J.L. Hampton

3. Address and Telephone No.

P.O. Box 800 Denver CO 80201

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

13-31N-6W
970' FNL, 1190' FEL NE/4 "B"

5. Lease Designation and Serial No.

SF-078767

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Rosa Unit #125

9. API Well No.

30-039-25144

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

Rio Arriba NM

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

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Spud & set casing
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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.)*

Spud a 14 3/4" surface hole on 11/8/91 at 4:00 hrs. Drilled to 416'. Set 10 3.4" 40.5# K-55 surface casing at 416'. Cemented with 400 sx Cl.B. Circulated 18 BBLS to the surface. Pressure tested casing to 2000psi. Drilled a 9 7/8" hole to a TD of 4225' on 11/17/91. Set 7 5/8" 24.6# K-55 LT&C production casing at 4225. Cemented with 1st stage: 355 sx, tail w/200 sx. 2nd stage: 890sx lead, tail w/60 sx. Circulated 135 BBLS good cement to the surface. Drilled a 6 3/4" hole to a TD of 8242 on 12/5/91. Set 4.5 liner at 8241. Cemented with 775 sx 50/50 poz., tail with 100sx.. Rig released at 05:00 hrs. on 12/7/91.

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DIST. 3

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

Signed Ed Dordick

Title Admin Analyst

Date 9/28/92

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title

ACCEPTED FOR RECORD

Date

NMOCD

SEP 29 1992

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.

FARMINGTON RESOURCE AREA

*See Instruction on Reverse Side

BY smm

Form 216-3
(November 1983)
(formerly 9-34)

ON DIVISION

SUBMIT IN TRIPPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Amoco Production Company

ATTN: J.L. Hampton

3. ADDRESS OF OPERATOR

P. O. Box 800 Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

970' FNL, 1190' FEL NE/4 (Irregular Section)**

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

60 Miles from Bloomfield

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

2518.04

17. NO. OF ACRES ALLOTTED
TO THIS WELL

223.28 acres E / 2

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

8400' TD

20. ROTARY OR CABLE TOOL

Rotary

21. ELEVATIONS (Show whether DF, RT, CR, or other) This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4.

6491'

GR

22. APPROX. DATE WORK WILL START*

As soon as permitted

23.

PROPOSED CASING AND CEMENTING PROGRAM

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14 3/4"	10 3/4"	40.5#	400'	444 cf Cl B (cement to surface)
9 7/8"	7 5/8"	26.4#	4200'	1176 cf Cl B (cement to surface)
6 3/4"	4 1/2"	11.6#	8400'	520 cf Cl B (cement to surface)

[TD - (ICP-200) X .13]

** See attached Application for Non-Standard Production Unit.

Notice of Staking was submitted: 9/20/91

Lease Description: T31N-R6W:

Sec. 12, 13 and 24

T31N-R5W:

Sec. 6 & 7:

Sec. 8:

DECO 3 1991.

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DIST 3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

J.L. Hampton/CB

TITLE Sr. Staff Admin. Supervisor

DATE 10/14/91

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED
AS AMENDED

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

OCT 25 1991

AREA MANAGER

USP - 1638 (4)

NMOCD

OIL CONSERVATION DIVISION

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

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91 OCT 17 AM 10:23
919 FARMINGTON, N.M.

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

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

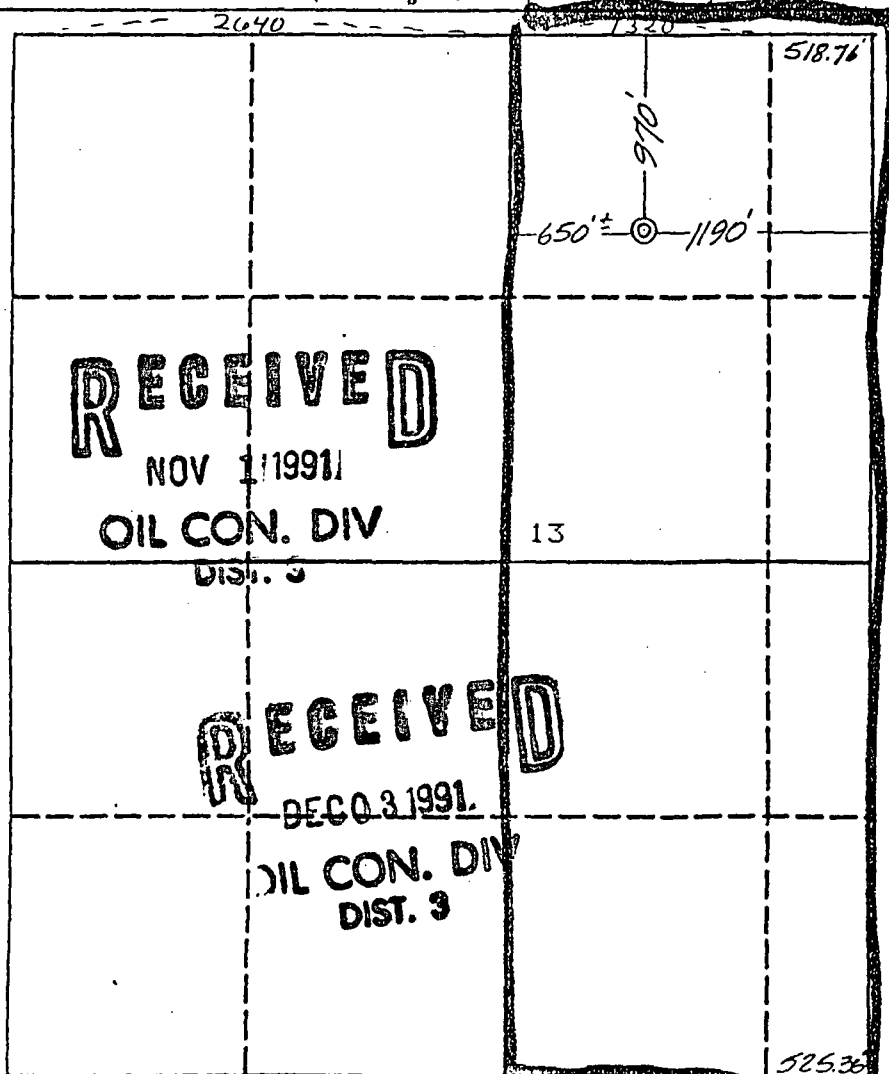
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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 NMNM	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 Dakota	Prnt Basin Dakota	Dedicated Acreage: E/2 223.28 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communization, 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 communization, 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.

Signed
J. L. Hampton
Printed Name
J. L. HAMPTON
Position
SR. STAFF ADMEN SUPR.
Company
AMOCO PROD. CO.
Date
10/7/91

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
7016
PROFESSIONAL LAND SURVEYOR