

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR

Amoco Production Company

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1790' FSL x 900' FEL

AT TOP PROD. INTERVAL: Same

AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON ☐

(other) Correction of Dedicated Acreage

SUBSEQUENT REPORT OF:

RECEIVED

DEC 22 1983

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

17. 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.)

Please find attached a copy of our survey plat with the corrected dedicated acreage outlined as the E/2, Section 30, T31N, R5W

BEFORE THE OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 13939...Exhibit No. 10
Submitted by:
Williams Production Company, LLC
Hearing Date: June 21, 2007

RECEIVED		
DEC 27 1983		
FARMINGTON DISTRICT		
DS		
DAS		
DE		
DF		
AS		
BDS		

Valve: Manu. and Type

Set @ WT Ft

Certify that the foregoing is true and correct

SIGNED Original Signed By
D.D. LAWSON

TITLE Dist. Adm. Supervisor DATE 12-20-83

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

ACCEPTED FOR RECORD

DEC 23 1983

FARMINGTON RESOURCE AREA

BY SMW

OPERATOR

*See Instructions on Reverse Side

0 + 4 BLM-Farmington
1 - J.C. Burnside-Denver
1 - Open
1 - (NWPL)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, N.M. 87401

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

At surface
1790' FSL x 900' FEL

At proposed prod. zone same

OCT 26 1983

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

5. LEASE DESIGNATION AND SERIAL NO.

SF078764

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT-AGREEMENT NAME

Rosa Unit

8. FARM OR LEASE NAME

9. WELL NO.

102

10. FIELD AND POOL OR WILDCAT

Basin Dakota/Undes. Gallup

11. SEC., T., R., N. OR S.E.,
AND SURVEY OR AREANE/4 of SE/4 Section 30
T31N, R5W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

N.M.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR VILLAGE

21 miles NW of Gobernador, N.M.

15. DISTANCE FROM PROPOSED

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

900'

16. NO. OF ACRES IN LEASE

2507.3

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320/160

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

6028'

19. PROPOSED DEPTH

8000'

20. ROTARY OR CABLE TOOLS

Rotary

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

6415 GL

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

22. APPROX. DATE WORK WILL START*

As soon as permitted

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	"GENERAL REQUIREMENTS"
17 1/2"	13 3/8"	48# H40	400'	834 cu ft Class G w/2% CaCl ₂ . Circ. to surf.
7 7/8"	4 1/2"	11.6# K55	8000'	1) 670 cu ft Class G 50:50 POZ cement. 2) 1500 cu ft Class G 65:35 POZ cement. Tail in both stages with 118 cu ft Class G neat. DV tool set at 5735'.

Amoco proposes to drill the above well to further develop the Basin Dakota and Undes. Gallup reservoirs. The well will be drilled to the surface casing point using native mud. The well will then be drilled to TD with a low solids non-dispersed mud system. Completion design will be based on open hole logs. Copies of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design.

Upon completion, the well location will be cleaned and the reserve pit filled and leveled.

Gas produced from this well is not dedicated.

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. Original Signed By
SIGNED D.D. Lawson
(This space for Federal or State office use)

RECEIVED	
DEC 13 1983	
FARMINGTON, Dist. Adm. Supervisor	
DISTRICT	
3	DS
4	DAS
4	DE
5	DF
1	AS
2	KSD

APPROVAL DATE

DATE 10-21-83

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

APPROVED

AS AMENDED

DEC 13 1983

AREA MANAGER
FARMINGTON RESOURCE AREA

OPERATOR

All distances must be from the outer boundaries of the Section.

Operator AMOCO PRODUCTION COMPANY			Lease Rosa Unit		Well No. 102
Unit Letter I	Section 30	Township 31N	Range 5W	County Rio Arriba	
Actual Footage Location of Well: 1790 feet from the South line and 900 feet from the East line					
Ground Level Elev: 6415	Producing Formation Dakota-Gallup		Pool Basin Dakota-Undes. Gallup		Dedicated Acreage: 320/160 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 interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

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

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

<div style="text-align: center;"> <p>RECEIVED</p> <p>OCT 26 1983</p> <p>BUREAU OF LAND MANAGEMENT</p> <p>FARMINGTON RESOURCE AREA</p> </div>		Sec.	
		30	
		1790'	
		900'	

CERTIFICATION

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

Original Signed By
D.D. Lawson

Name
Darrell D. Lawson
 Position
District Administrative
 Company
Supervisor
Amoco Production Co.
 Date
October 20, 1983

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
October 4, 1983
 Registered Professional Engineer and Land Surveyor
Fred B. [Signature]
 Certificate No. [Signature]

74

Form 3160-3
(December 1990)

RECEIVED
SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐

b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY OGRID 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
790' FSL & 1850' FEL
At proposed prod. zone Same

5. LEASE DESIGNATION AND SERIAL NO.
SF-078764

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARMOR LEASE NAME WELL NO.
Rosa Unit #159 (008480)
17033

9. APPLICANT
30-039-25583 ✓
Blanco Mesa Verde 72319

10. FIELD AND POOL OR WELL CAT
Blanco Mesa Verde 72319

11. SEC. T. R. N. OR NEK.
AND SURVEY OR AREA
0 Sec. 19, T31N, R5W

12. COUNTY OR PARISH 13. STATE
Rio Arriba NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
25 miles NE of Blanco, NM

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest dril. unit (line, if any)
790

16. NO. OF ACRES IN LEASE
2507.30

17. NO. OF ACRES ASSIGNED TO THIS WELL
S/232.43 S/232.43

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1300'

19. PROPOSED DEPTH
6060

20. ROTARY OR CASE TOOLS
Rotary

21. ELEVATIONS (Show whether DP, RT, GR, etc.)
6327' GR ✓

22. APPROX. DATE WORK WILL START
May 1996

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4" 12-1/4"	10-3/4" N-40	32.750	300-250	240 cuft Cl "B" w/3% CaCl2
9 5/8" 8-3/4"	7 7/8" K-55	26.420	3640 1212	856 cuft 65/35 Poz, 188 cuft Cl
6-3/4"	5-1/2" N-80	17.0 10.5	3540-6060 8144	434 cuft Cl "B" w/4% gel & additives

WILLIAMS PRODUCTION COMPANY proposes to drill a vertical well to develop the Mesa Verde formation at the above described site in accordance with the attached drilling and surface use programs.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"
Copies of the report

This location has been archaeologically surveyed by CRMC.
will be submitted directly to your office.

This APD also is serving as an application to obtain BLM road and pipeline right-of-way. This well will be accessed by a new road approximately 1000' long that crosses the SW/SE and NE/SW of Section 19 where it joins an existing road. This road crosses the NE/SW and SE/SW of Section 19, T31N, R5W, the SW/SE, NW/SE, N2 SW/4 of Section 24, the NE/SE of Section 23, T31N, R6W where it joins the main Rosa Road. The Rosa Road continues SE for 15 miles where it joins 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 prevention program, if any.

APPROVED /26/96
AS AMENDED

Paul C. Thompson, Agent
JUN 1 4 1996
JUN 11 1996

DISTRICT MANAGER

Application approval does not constitute or imply any legal or equitable title to those rights in the subject land which would entitle the applicant to conduct operations thereunder.

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	Pool Code 72319	Pool Name Blanco Mesa Verde
Property Code 008480	Property Name Rosa Unit	Well Number 159
OGRJD No. 120782	Operator Name Williams Production Co.	Elevation 6327'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
0	19	31 N	5 W		790	South	1850	East	R.A.

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 232.79	Joint or Infill N	Consolidation Code U	Order No.						

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

16	1184.70'	2640.00'	17 OPERATOR CERTIFICATION
			I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
			Signature Paul C. Thompson
			Printed Name Paul C. Thompson, P.E. (Agent)
			Title PRESIDENT
			Walsh Engr. & Prod. Corp.
			Date 2/26/96
			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.
			11-21-95
			Date of Survey
			Signature and Professional Engineer
			8857
			8857
			Certificate Number

NSP approved

10/20/91

Form 3160-3
(November 1983)
(form 9-331C)

SUBMIT IN TRIPLICATE
(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

RECEIVED

2-239-25143

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 985' FSL, 1055' FWL SW/4 (Irregular Section)**
At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.
SE-078764

6. IF INDIAN, ALLOTED OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Rosa Unit

9. WELL NO.
#119

10. FIELD AND POOL, OR WILDCAT
Basin Dakota

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec. 18, T31N-R5W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
60 Miles from Bloomfield

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)

16. NO. OF ACRES IN LEASE
2507.30

17. NO. OF ACRES ASSIGNED TO THIS WELL
231.83 acres S/2

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
8200' TD

20. ROTARY OR CABLE TOOL
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6336 GR

22. APPROX. DATE WORK WILL START
As soon as permitted

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	GENERAL QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	400'	444 cf Cl B (cement to surface)
8 3/4"	7"	23#	4000'	1120 cf Cl B (cement to surface)
6 1/4"	4 1/2" Liner	11.6#	8200'	520 cf Cl B

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

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

Notice of Staking was submitted: 9/21/91

Lease Description: T31N-R5W:

Sec. 18: ALL
Sec. 19: 19-E/2E/2, NW/4NE/4, SW/4SE/4, LOTS 1-4
Sec. 20: N/2, SE/4
Sec. 29: N/2NE/4, SW/4
Sec. 30: ALL
Sec. 31: ALL

RECEIVED
OCT 3 0 1991

OIL CON. DIV
DIST. 3

RECEIVED
DEC 3 1991

OIL CON. DIV
DIST. 3

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

24. SIGNED J. Hampton TITLE Sr. Staff Admin. Supervisor APPROVED [Signature]
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE OCT 25 1991
APPROVED BY [Signature] TITLE AREA MANAGER

CONDITIONS OF APPROVAL, IF ANY:
[Signature] NAME

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

RECEIVED
BLM

91 OCT 17 AM 10:23

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

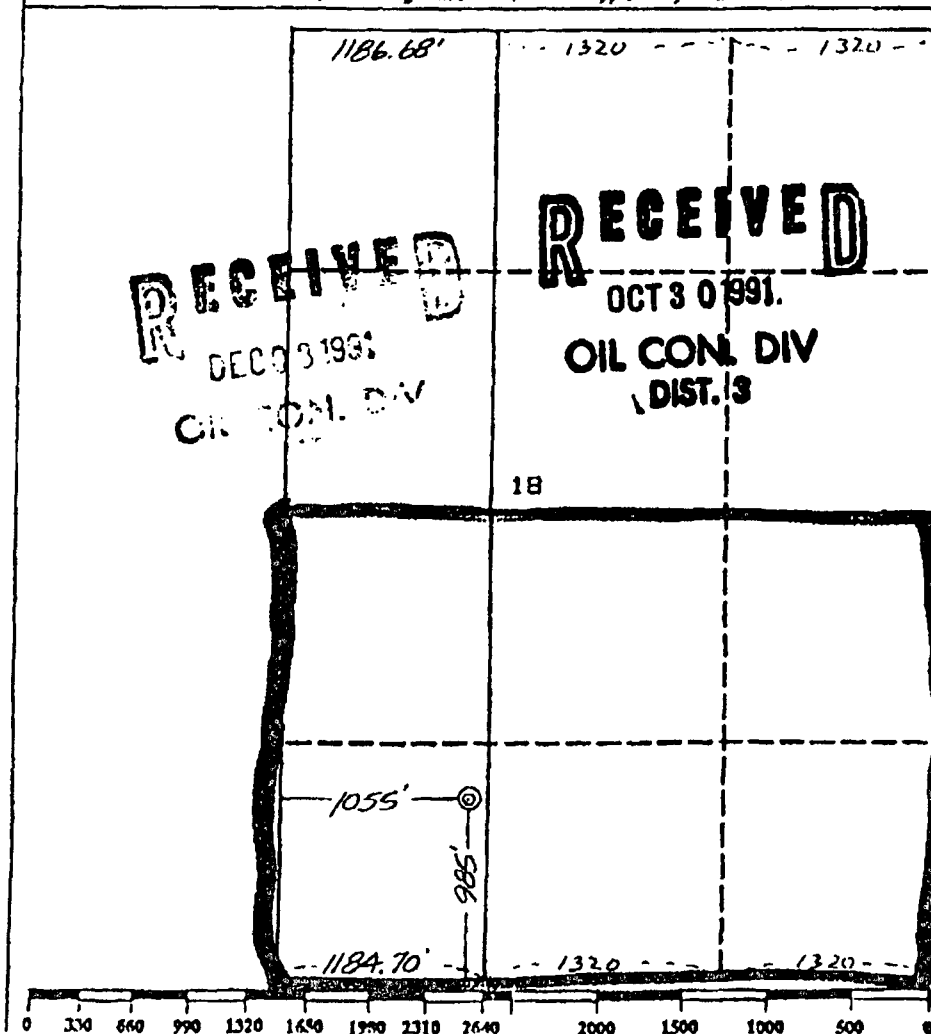
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

910 FARMINGTON, N.M.

Operator AMOCO PRODUCTION COMPANY			Lease ROSA UNIT		Well No. # 119
Unit Letter N	Section 18	Township 31 NORTH	Range 5 WEST	County RIO ARriba	
Actual Footage Location of Well: 985 feet from the SOUTH line and 1055 feet from the WEST line					
Ground level Elev. 6336	Producing Formation Arkota		Pool Basin Dakota	Dedicated Acreage 5/2 231.87 Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>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).</p> <p>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.? <input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____</p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)</p> <p>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.</p>					



OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Signature <i>[Signature]</i>	Printed Name J. L. HAMPTON
Position SR. STAFF ADMIN 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 <i>[Signature]</i> GARY D. VANN 7016	
Professional Land Surveyor 7016	



BRUCE KING
GOVERNOR

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

October 25, 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

RECEIVED

OCT 29 1991

OIL CON. DIV.
DIST. 3

RECEIVED
DEC 3 1991

OIL CON. DIV
DIST. 3

Administrative Order NSP-1637(L)

Dear Mr. Hawkins:

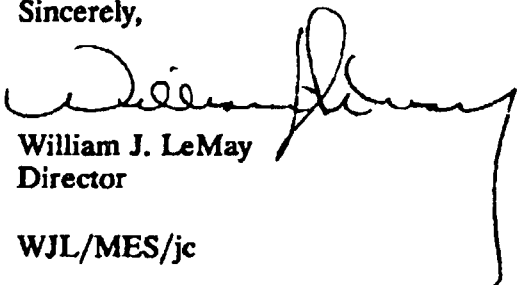
Reference is made to your application dated September 20, 1991 for a 231.83-acre non-standard gas proration unit consisting of the following acreage in the Basin Dakota Pool:

RIO ARriba COUNTY, NEW MEXICO
TOWNSHIP 31 NORTH, RANGE 5 WEST, NMPM
Section 18: Lots 3 and 4 and the SE/4

It is my understanding that this unit is to be dedicated to your Rosa Unit Well No. 119 to be drilled at an unorthodox gas well location 985 feet from the South line and 1055 feet from the East line (Unit N) of said Section 18.

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

Form 3160-3
(November 1983)
(formerly 9-381C)

1 - J.C. Burne) e-Denver
1 - Open

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

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

IOR

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 Co.

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, N M 87401

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

At surface 1850' FNL x 1720' FEL

At proposed prod. zone Same

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

15 miles northwest of Gobernador, N M

16. DISTANCE FROM PROPOSED*

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

1720'

18. NO. OF ACRES IN LEASE

2518.04

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320/40

18. DISTANCE FROM PROPOSED LOCATION*

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

4000' SE

8170'

20. ROTARY OR CABLE TOOLS

Rotary

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

6275' GR

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

22. APPROX. DATE WORK WILL START*
As soon as permitted
This action is subject to administrative
appeal pursuant to 30 CFR 290.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14-3/4"	11-3/4"	42#, H-40	400'	350 ft. Class B Neat
7-7/8"	4-1/2"	11.6#, N-80	8170'	1st. Stage: 930 ft. Class B 50:50 poz x 6% gel x 0.8% FLA. Tail-in w/118 ft. of Class B Nea 2nd Stage: 1625 ft. of Class B 65:35 poz x 6% gel x 0.8% FLA. Tail-in w/118 ft. Class B Neat. The DV tool will be set at 5100'

Amoco proposes to drill the above well to further develop the Basin Dakota/Undes. Gallup reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to TD with a low solids nondispersed mud system. Completion design will be based on open hole logs. Copy of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design. Upon completion the well site will be cleaned and the reserve pit filled and leveled. The gas from this well is undedicated at this time.

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. Original Signed By
D.D. Lawson

SIGNED

TITLE Dist. Adm. Supervisor

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

OPERATOR

*See Instructions On Reverse Side

5. LEASE DESIGNATION AND SERIAL NO.	SF-78767	6. IF INDIAN, ALLOTTEE OR TREATY PARTY	3
7. UNIT AGREEMENT NAME	Rosa Unit	8. FARM OR LEASE NAME	5
9. WELL NO.	108	10. FIELD AND POOL, OR WELL GROUP	Basin Dakota/Undes. Gallup
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	NE Sec. 7, T31N, R5W	12. COUNTY OR PARISH	Rio Arriba
		13. STATE	N M

APPROVED
DATE 6/26/84

AS AMENDED

JUL 17 1984

AREA MANAGER
FARMINGTON RESOURCE AREA

All distances must be from the outer boundaries of the Section.

Operator AMOCO PRODUCTION COMPANY		Lease ROSA UNIT		Well No. 108
Unit Letter G	Section 7	Township 31N	Range 5W	County Rio Arriba
Actual Footage Location of Well: 1850 feet from the North line and 1720 feet from the East line				
Ground Level Elev. 6275	Producing Formation Dakota & Gallup	Pool Basin Dakota/Undes, Gallup	Dedicated Acreage 320/40 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 interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Unitized

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

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

3825.36'

1850'

1720'

Sec.

7

RECEIVED

JUN 28 1984

BUREAU OF OIL CONSERVATION

CERTIFICATION

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

Original Signed By
 D.D. LAWSON

Name
D. D. Lawson

Position
Dist. Adm. Supervisor

Company
Amoco Production Company

Date
June 21, 1984

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
March 22, 1981

Registered Professional Engineer and Land Surveyor
Fred B. Kerr Jr.

Certificate No. 4

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ROW/APD

FORM APPROVED
Budget Bureau No. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. Type of Work

DRILL ☒

DEEPEN ☐

b. Type of Well

Oil Well ☐ Gas Well ☒ Other ☐

Single Well ☒ Multiple Wells ☐

2. Name of Operator

Williams Production Company

3. Address and Telephone No.

P.O. Box 3102, MS 37-2, Tulsa, OK. 74101

4. Location of Well (Postage)

At Surface

1440' FNL 335' FWL, SWNW

proposed prod. zone

5. Lease Designation and Serial No.
SF-078787

6. If Indian, Allotment or Tribal Name

7. If Unit or CA, Agreement Designation
Rosa Unit

8. Well Name and No.
RU-#149B

9. API Well No.

30-039-26579

10. Field and Pool, or Exploratory Area
Blanco-Mesa Verde

11. Sec., T., R., M., or B.L.M.
and Survey or Area
Section 12, T31N, R8W

14. Distance in Miles and Directions from Nearest Town or Post Office

Approximately 18.7 miles northeast of Navajo Dam Post Office (straight line)

12. County or Parish

Rio Arriba

13. State

NM

15. Distance from Proposed Location to Nearest

Property or Lease Line, Ft.

335'

16. No. of Acres in Lease

2518.04 acres

17. No. of Acres Assigned to This Well

271.17 acres, N/2

18. Distance from Proposed Location to Nearest Well Drilling, Completion, or Appraisal, on this Lease, FT.

1100'

19. Proposed Depth

6193' KB

SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

21. Elevation (Show whether BP, RT, GR, etc.)

6421' GR

22. Approximate Date Work will Start

April 1, 2001

This action is subject to technical and

present review pursuant to 43 CFR 3100.2

PROPOSED CASING AND CEMENTING PROGRAM		QUANTITY OF CEMENT	
SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	
12-1/4"	9-5/8"	36# K-55	500'
8-3/4"	7"	20# K55	3733'
8-1/4"	4-1/2"	10.5# K55	3633'-6193'
		255 ex-352 cu ft Type III - CIRC	
		430 ex-888 cu ft Type III - CIRC	
		160 ex-224 cu ft Type III	
		80 ex-116 cu ft 190 ex-278 cu ft Class H + 50/50 poz+4% gel	

Williams Production Co. proposes to drill a vertical well to develop the Blanco Mesa Verde Formation in the described location above, and in accordance with the attached Operation and Surface Use plans. The surface is under the jurisdiction of the Bureau of Land Management-Farmington Field Office. Independent Contract Archaeology has surveyed the proposed location for Cultural Resources, and the report has been submitted to BLM for review. Nelson Consulting has submitted an environmental assessment to BLM-FFO for review.

This proposed well would require the construction of a new 300-foot long by 20-foot wide access road (see Pipeline & Well Plats #3 and #4). The proposed 433-foot long pipeline would tie into the Williams Gas Gathering System on the Rosa Unit #226. This proposed well gathering pipeline would follow the proposed access road and an existing gas field road (see the attached Pipeline Plat Map # 4).

Signature of Applicant or Representative of Applicant: Steve Nelson Title: Agent

COPIES: BLM+4, WELL FILE+1
Date: December 8, 2000

(This space for Federal or State office use)

Permit No.

Approval Date

Approval approval does not warrant or certify that 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:

/s/ Jim Lovato

DATE

Team Lead, Petroleum Management

FEB 15 2001

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer 00, 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-
Revised February 21, 19
Instructions on b
Submit to Appropriate District Off
State Lease - 4 Cop
Fee Lease - 3 Cop

200 DEC 11 PM 3:39 AMENDED REPOF

OTO WASHINGTON, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30039-26599		Pool Code 72319 -	Pool Name Blanco Mesaverde -
Property Code 17033	Property Name ROSA UNIT		Well Number 1498
GRID No. 120782	Operator Name WILLIAMS PRODUCTION COMPANY		Elevation 6421'

10 Surface Location

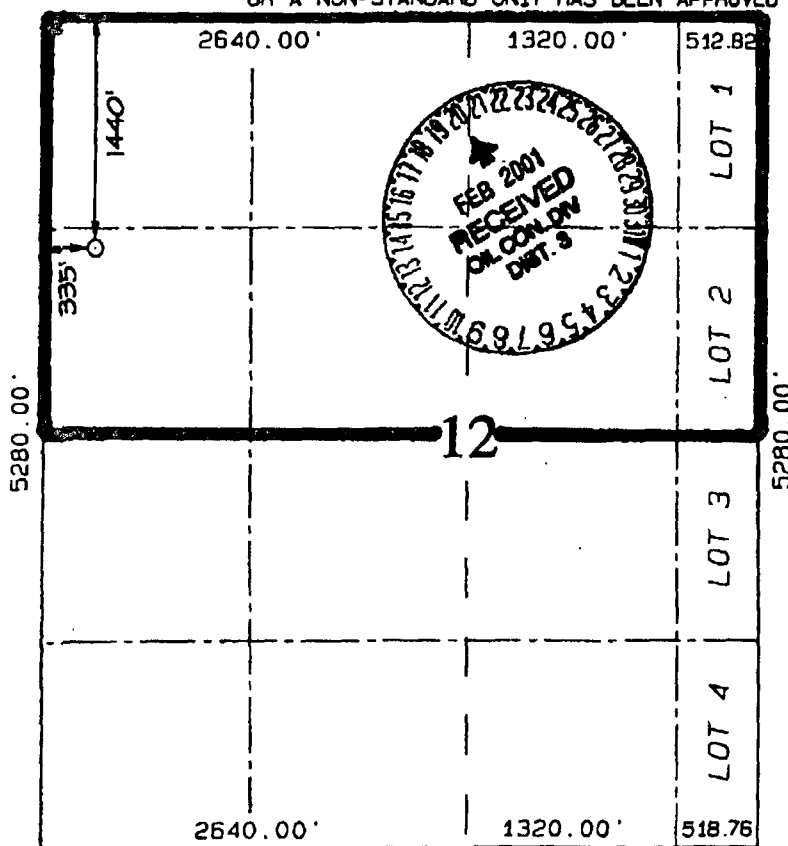
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	12	31N	6W		1440	NORTH	335	WEST	RIO ARriba

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
271.17 - N/2	I	II	

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.

Signature

Steve Nelson
Printed Name

Agent, Nelson Consulting
Title

December 8, 2000
Date

18 SURVEYOR CERTIFICATION

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

SEPTEMBER 25, 2000

Date of Survey

Signature and Seal of Surveyor

NEALE C. EDWARDS
NEW MEXICO
6857
Certificate No. 6857



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

July 7, 2001

Williams Production Company
c/o Walsh Engineering & Production Corp.
7415 East Main
Farmington, New Mexico 87402
Attention: John C. Thompson



Telefax No. (505) 327-9834

Administrative Order NSL-4602

Dear Mr. Thompson:

Reference is made to the following: (i) your application on behalf of the operator, Williams Production Company ("Williams") that was submitted to the New Mexico Oil Conservation Division ("Division") on May 24, 2001; and (ii) the Division's records in Aztec and Santa Fe: all concerning Williams's request for an exception to the well location requirements provided within the "Special Rules and Regulations for the Basin-Dakota Pool," as promulgated by Division Order No. R-10987-B, dated June 30, 2000, as amended by Division Order No. R-10987-B (1), dated August 10, 2000. Lots 1 and 2, the W/2 NE/4, and the NW/4 (N/2 equivalent) of Section 12, Township 31 North, Range 6 West, NMPM, Rio Arriba County, New Mexico is to be dedicated to Williams's proposed well in order to form a standard 271.17-acre lay-down gas spacing and proration unit for the Basin-Dakota Pool.

The application has been duly filed under the provisions of Division Rules 104.F and 605.B.

By the authority granted me under the provisions of Division Rule 104.F (2), the following described well to be drilled at an unorthodox gas well location in Section 12 is hereby approved:

Rosa Unit Well No. 149-B
1440' FNL & 335' FWL (Unit E) - 12-31N-6W
(API No. 38-839-26599).

Further, the aforementioned well and spacing unit will be subject to all existing rules, regulations, policies, and procedures applicable to prorated gas pools in Northwest, New Mexico.

Sincerely,

Lori Wrotenbery
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Aztec
U. S. Bureau of Land Management - Farmington

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF- 078772	
2. NAME OF OPERATOR Williams Production Company, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR c/o Walsh Engineering 7415 E. Main St., Farmington, NM 87403 (505) 327-8921		7. UNIT AGREEMENT NAME Rosa Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At Surface 1475' FSL & 1235' FEL At proposed Prod. Zone 390' FSL & 1650' FWL		8. FARM OR LEASE NAME, WELL NO. 164 B	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 27 miles NE of Blanco, NM		9. API WELL NO. 30-039-27242	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any) 1235'		10. FIELD AND POOL OR WELDCAT Blanco Mesa Verde/DK	
16. NO. OF ACRES IN LEASE 2501.26		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA J Sec. 1, T31N, R6W	
17. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. 1770'		12. COUNTY OR PARISH Rio Arriba	
18. PROPOSED DEPTH 8662'		13. STATE NM	
19. ELEVATIONS (Show whether DP, XT, GR, or other) 6317' GR		14. NO. OF ACRES ASSIGNED TO THIS WELL 303.88 Whole Section	
20. APPROX DATE WORK WILL START July 1, 2002		21. DRILLING OPERATIONS AUTHORIZED ARE Rotary	
22. APPROX DATE WORK WILL START July 1, 2002			
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF BOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH
14-3/4"	10-3/4"	40.5#	+/- 500'
9-7/8"	7-5/8"	26.4#	+/- 3591'
6-3/4"	5-1/2"	17.0#	+/- 8061'
QUANTITY OF CEMENT			
~626 cu.ft. Type III w/ 2% CaCl ₂			
~1363 cu.ft. 65/35 poz & ~586 cu.ft. Type			
~458 cu.ft. Prem. Lite HS w/ additives			

Williams Production Company, LLC proposes to drill a directional well to develop the Mesa Verde and Dakota formations at the above described location in accordance with the attached drilling and surface use plans.

This location has been archaeologically surveyed by Independent Contract Archaeology. Copies of their report have been submitted directly to your office.

This APD also is serving as an application to obtain BLM road and pipeline right-of-ways. This well will not require any new access road (see Pipeline & Well Plats #3 & #4). The well will be accessed by utilizing an existing road that crosses NE/NE of section 1, T31N, R6W. SE/SE, NE/SW, SE/NW, NE/NW, NW/NE, NE/NE of section 36, N/2 of section 31 all of T32N, R6W where it joins the main "Rosa Road".

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 prevention program, if any.

SIGNED	TITLE	DATE
<i>[Signature]</i>	John C. Thompson, Agent	5/23/02
(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 enable the applicant to conduct operations thereon.		
CONDITIONS OF APPROVAL, IF ANY		
APPROVED BY	TITLE	DATE
<i>[Signature]</i>	David J. Monteleone	AUG - 7 2002

*See Instructions On Reverse Side

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.

HOLD C104 FOR Directional Survey

NMCOO

8/

Form C-102
Revised February 21, 1994
Instructions on back
appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

District II
PO Drawer DD, Artesia, NM 88211-0719

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

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

District IV
PO Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-27242		*Pool Code 72319 \ 71599	*Pool Name BLANCO MESAVERDE \ BASIN, DAKOTA
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 1648
*OGRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6317

10 Surface Location

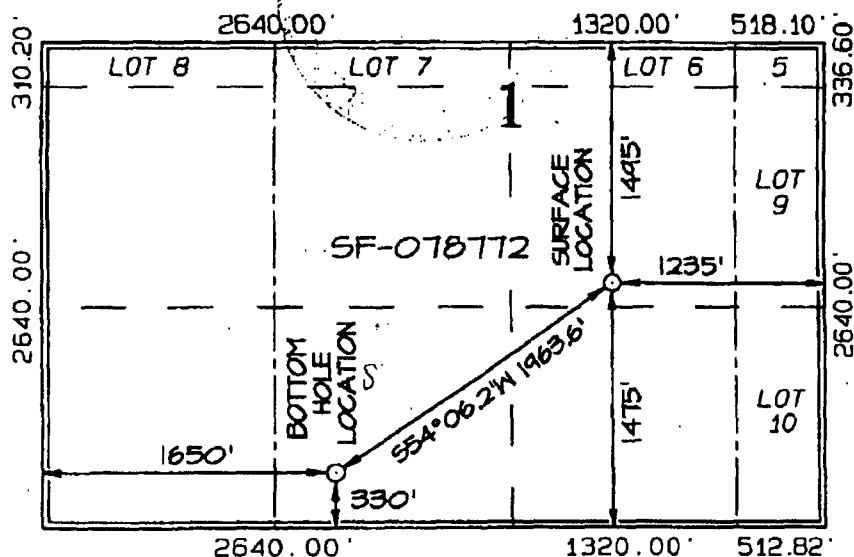
U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	1	31N	6W		1475	SOUTH	1235	EAST	RIO ARRIBA

¹¹Bottom Hole Location If Different From Surface

U. or lot no.	Section	Township	Range	Lot 10th	Feet from the	North/South line	Feet from the	East/West line	County
N	1	31N	6W	330		SOUTH	1650	WEST	RIO ARRIBA

<p>¹² Dedicated Acres</p> <p>303.88 Acres - Entire Section</p>	<p>¹³ Joint or Infill</p>	<p>¹⁴ Consolidation Code</p>	<p>¹⁵ Order No.</p>
---	--------------------------------------	---	--------------------------------

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

Signature _____

John C. Thompson

Printed Name

Agent/Engineer

Title

4/16/02

Date _____

¹⁸ SURVEYOR CERTIFICATION

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

Date of Survey: APRIL 2, 2002

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

BETTY RIVERA

Cabinet Secretary

May 21, 2002

Lori Wrotenbery

Director

Oil Conservation Division

Williams Production Company, L.L.C.
c/o Walsh Engineering & Production Corp.
7415 East Main
Farmington, New Mexico 87402

Attention: John C. Thompson

Re: Five administrative applications for unorthodox gas well locations in the Basin-Dakota Pool: (i) Rosa Unit Well No. 24-C (pKRV0-211352073); (ii) Rosa Unit Well No. 41-B (pKRV0-211352213); (iii) Rosa Unit Well No. 156-B (pKRV0-211352305); (iv) Rosa Unit Well No. 164-B (pKRV0-211656660); and (v) Rosa Unit Well No. 79-B (pKRV0-210533746).

Dear Mr. Thompson:

I have reviewed the five subject applications and find them all to be incomplete with respect to notice.

Please refer to your Rule II.B (2) C of the special Basin-Dakota Pool Rules and provide notice to all mineral interests in the Unitized interval and any owners of non-committed tracts. I have attached a copy of Division Order No. R-10987-B (2) issued on January 29, 2002.

I am withdrawing these applications and returning them to you at this time.

Should you have any questions or comments concerning this matter, please contact Steve Hayden in Aztec at (505) 33406178 or me in Santa Fe at (505) 476-3465.

Sincerely,

Michael E. Stogner
Chief Hearing Officer/Engineer

LW/MES/kv

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

Rosa UT. #24C - C-32-31N-5W
" #41B - 6-31N-5W
" #156B - 9-31N-6W
" #164B - 1-31N-6W

✓
R-10987-B (2)
ASD



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
BETTY RIVERA
Cabinet Secretary

June 24, 2002

Lori Wrotenberg
Director
Oil Conservation Division

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

Attention: Paul C. Thompson



Re: Administrative application (application reference No. PKRVO-211656660) to establish a non-standard 303.88-acre gas spacing and proration unit within the Basin-Dakota Pool comprising all of irregular Section 1, Township 31 North, Range 6 West, NMPM, San Juan County, New Mexico, to be dedicated to Williams Production Company's proposed Rosa Unit Well No. 164-B which is to be drilled to a non-standard bottomhole location in Unit "N" of Section 1.

Dear Mr. Thompson:

The applicable rules governing the Basin-Dakota Pool do not allow this type of non-standard unit to be processed administratively [see Rules II.A and III of the "Special Rules for the Basin-Dakota Pool", as promulgated by Division Order No. R-10987-B (2) and Division Rule 104.D (2) (b) (ii)]. However, in this particular instance and as we discussed, I have caused this application to be placed on the next available examiner's hearing docket scheduled for August 1, 2002 and have it advertised in the following manner:

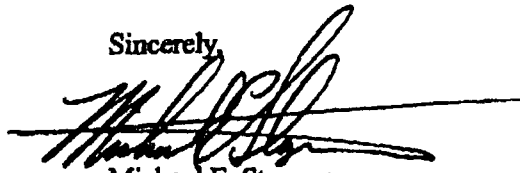
"Application of Williams Production Company for a non-standard gas proration unit and an unorthodox subsurface gas well location, San Juan County, New Mexico. Applicant seeks to establish a non-standard 303.88-acre gas spacing and proration unit within the Basin-Dakota Pool comprising all of irregular Section 1, Township 31 North, Range 6 West, which is located approximately 5.5 miles south of the New Mexico/Colorado state line at mile corner marker No. 240. This unit is to be dedicated to Williams Production Company's proposed Rosa Unit Well No. 164-B to be directionally drilled from a surface location 1475 feet from the South line and 1235 feet from the East line (Unit J) of irregular Section 1 to an unorthodox bottomhole location within the Basin-Dakota Pool approximately 330 feet from the South line and 1650 feet from the West line (Unit N) of irregular Section 1. IN THE ABSENCE OF OBJECTION, THIS APPLICATION WILL BE TAKEN UNDER ADVISEMENT."

Williams Production Company
Paul C. Thompson
June 24, 2002
Page 2

I anticipate that an order can be issued at that time without any further information or direct involvement by Williams Production Company.

Should you have any questions or comments concerning this matter, please contact me in Santa Fe at (505) 476-3465. Thank you.

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
U. S. Bureau of Land Management - Farmington
Ms. Florene Davidson, NMOCD - Santa Fe
Kathy Valdes, NMOCD - Santa Fe
William F. Carr, Legal Counsel for Williams Production Company - Santa Fe

Form 3160-3
(November 1983)
(formerly 9-31.C)

SUBMIT IN TRIPLICATE*
(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

30-039-25144

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Amoco Production Company 728 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

16. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest dril. unit line, if any)

16. NO. OF ACRES IN LEASE
2518.04

17. NO. OF ACRES ASSIGNED
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, GR, etc.)
6491' GR
THIS SECTION IS SUBJECT TO technical and
procedural review pursuant to 43 CFR 3160.3
and appeal pursuant to 43 CFR 3160.4.

22. APPROX. DATE WORK WILL START*
As soon as permitted

23. PROPOSED CASING AND CEMENTING PROGRAM
CERAMIC OPERATIONS AUTHORIZED ARE
SUBJECT TO EXAMINATION WITH ATTACHED
"GENERAL REQUIREMENTS"

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	GENERAL REQUIREMENTS
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 Protection Unit.

Notice of Staking was submitted: 9/20/91

Lease Description: T31N-R6W:

Sec. 12, 13 and 14: DEC 3 1991

T31N-R5W:

Sec. 6 & 7: ALL
Sec. 8: NW/4

NOV 1 1991.
OIL CON. DIV./
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/CRB TITLE St. Staff Admin. Supervisor DATE 10/14/91
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED
AS AMENDED

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

OCT 25 1991

AREA MANAGER

NSP-1638(4)C

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

RECEIVED
BLM

91 OCT 17 AM 10:23

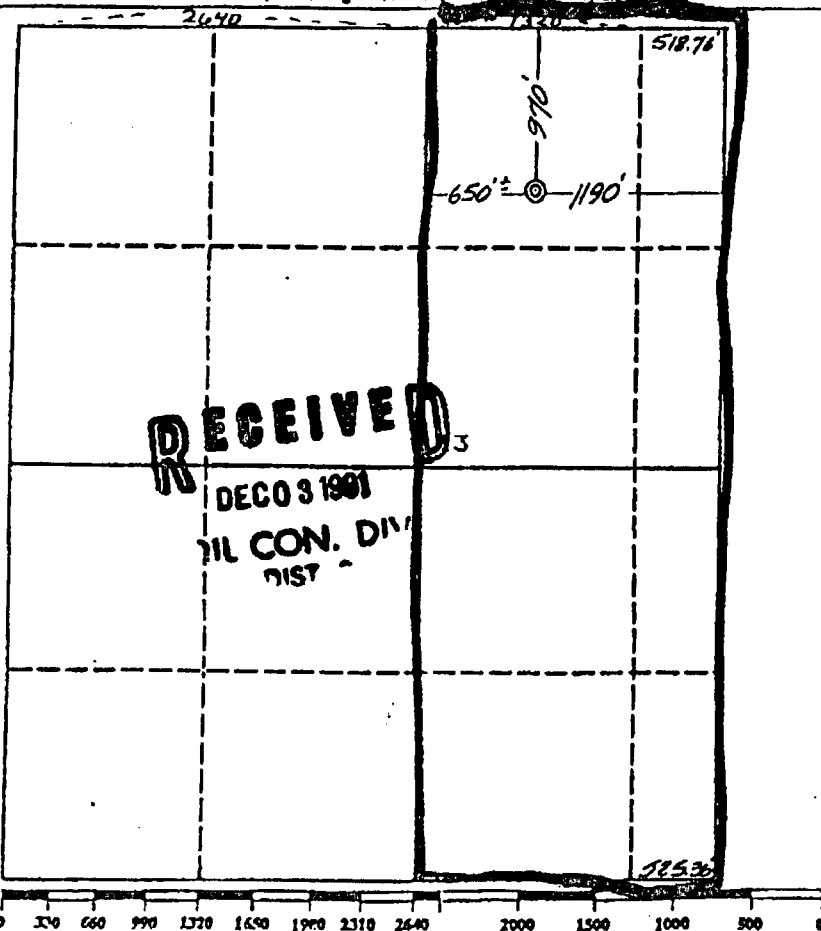
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT 19 FARMINGTON, 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
Actual Footage Location of Well: 970 feet from the NORTH line and 1190 feet from the EAST line				
Ground level Elev. 6495	Producing Formation Dakota	Area Basin Dakota	Dedicated Acreage: E/2 223.28 Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>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).</p> <p>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.?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____</p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)</p> <p>No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.</p>				
			<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature <i>[Signature]</i></p> <p>Printed Name B.L. HAMPTON</p> <p>Position Sr. STAFF ADMEN SUPPL.</p> <p>Company AMOCO PROD. CO.</p> <p>Date 10/7/91</p> <p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p>Date Surveyed September 9, 1991</p> <p>Signature & Seal of Professional Surveyor <i>[Signature]</i></p> <p>GARY D. VANN 7016 REGISTERED PROFESSIONAL LAND SURVEYOR</p>	



BRUCE KING
GOVERNOR

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

October 24, 1991

no APD
11-15-91
New Mexico
DRUG FREE
It's a State of Mind

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

RECEIVED
OCT 29 1991
OIL CON. DIV.
DIST. 3

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN			5. LEASE DESIGNATION AND SERIAL NO. SF-078767
1A. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1B. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>			7. GIFT AGREEMENT NAME
2. NAME OF OPERATOR NORTHWEST PIPELINE CORPORATION OGRID 16189 126712			8. FARM OR LEASE NAME, WELL NO. (000480) Rosa Unit #125E 17033
3. ADDRESS AND TELEPHONE NO. c/o Walsh Engr. & Prod. Corp. 7415 E. Main Farmington, N.M. 87402 505 327-4892			9. AN WELL NO. 20-037-25526 ✓
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			10. FIELD AND POOL, OR WILDCAT BASIN DAKOTA - 71599 BLANCO MESA VERDE - 72319 11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA J Sec. 13, T31N, R6W -
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 25 miles Northeast of Blanco, New Mexico			12. COUNTY OR PARISH 13. STATE Rio Arriba N.M.
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest strip, 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 DP, RT, GR, etc.) 6345' GR			22. APPROX. DATE WORK WILL START* April 1995

This action is subject to technical and procedural review pursuant to 43 CFR 3185.3 and appeal pursuant to 43 CFR 3185.4

SIZE OF HOLES	PIPE AND CEMENT	DEPTH	DRILLING OPERATIONS AUTHORIZED ARE
13-3/4"	10-3/4", H-40	32.75	SUBJECT TO COMPLIANCE WITH ATTACHED GENERAL REQUIREMENTS
9-7/8"	7-5/8", K-55	26.4	1271 cuft 65/35 Poz, 254 cuft C1"b
6-3/4"	5-1/2", N-80	17.00	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 prevention program, if any.)

SIGNED Paul C. Thompson TITLE Paul C. Thompson, Agent DATE 3/6/95
(This space for Federal or State office use)

PERMIT NO. **RECEIVED** APPROVAL DATE **APPROVED AS AMENDED**
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: JUN - 9 1995 JUN 07 1995
APPROVED BY **OIL CON. DIV.** DIST. 3 **DISTRICT MANAGER**
*See Instructions on Reverse Side

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
P.O. Drawer 80, Artesia, NM 88211-0719
District III
1000 Rio Huerfano Rd., Alamo, 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 30-039-25524		Pool Code 71599	Pool Name BASIN DAKOTA
Property Code 888480	Property Name Rosa Unit		Well Number 125 E
OGRIID No. 16185	Operator Name Walsh Engr. & Prod. Co.		Elevation 6345'

10 Surface Location

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

Dedicated Acres 223.28	Joint or Infill Y	Consolidation Code U	Order No.
----------------------------------	-----------------------------	--------------------------------	-----------

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

<p>16</p> <p>21x40.00'</p> <p>5280.00'</p> <p>RECEIVED JUN - 9 1995 OIL CON. DIV. DIST. 3</p> <p>21x40.00'</p>	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Paul C. Thompson</i> Signature Paul C. Thompson, P.E. (Agent) Printed Name: President Walsh Engr. & Prod. Corp. Title 3/6/95 Date</p>	
	<p>18 SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>2-20-95 Date of Survey <i>Heale C. Edwards</i> Signature HEALE C. EDWARDS 8857 8857 Certification Number</p>	

blm-sh
AD-sh



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

RECEIVED
MAR 27 1995
OIL CON. DIV.
DIST. 3

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

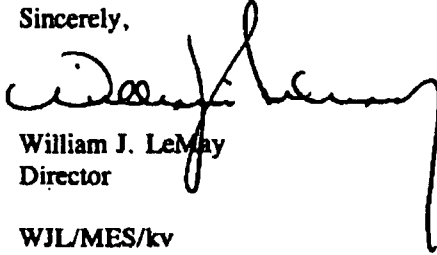
Section 13: Lots 1 through 4 and the W/2 E/2 (E/2 equivalent)

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.

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐
2. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒

3. NAME OF OPERATOR
Amoco Production Company
4. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, NM 87401

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
1050' FNL x 790' FEL
At proposed prod. zone

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
20 miles west of Dulce, New Mexico
OIL CON. DIV.
DIST. 3

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)
790'
8. NO. OF ACRES IN LEASE
2518.04
9. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
3000' Southwest
10. PROPOSED DEPTH
8093'

11. ELEVATIONS (Show whether DF, RT, GR, etc.)
6280' GR
12. COUNTY OR PARISH
Rio Arriba
13. STATE
NM

14. DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH
PROPOSED CASING AND CEMENT PROGRAM
"GENERAL REQUIREMENTS"

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
14-3/4"	11-3/4"	42#, H-40	400'
7-7/8"	4-1/2"	11.6#, N-80	8093'

RECEIVED
MAY 17 1984
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

15. LEASE DESIGNATION AND SERIAL NO.
SE-078767
16. IF INDIAN, ALLOTTEE OR TRIBE NAME
17. UNIT AGREEMENT NAME
Rosa Unit
18. VARM OR LEASE NAME
19. WELL NO.
116
20. FIELD AND POOL, OR WILDCAT
Basin Dakota/Undes. Gallup
21. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
NENE, Sec. 24, T31N, R6W
22. COUNTY OR PARISH
Rio Arriba
23. STATE
NM
24. APPROX. DATE WORK WILL START
As soon as permitted

This action is subject to administrative appeal pursuant to 30 CFR 290.
470 cu.ft. Class B w/2% CaCl2 ci;
Stage 1: 770 cu.ft. Class B w/50% POZ. Tail in w/118 cu.ft. Class B neat-circ.
Stage 2: 1460 cu.ft. Class B w/65 POZ, 6% gel, 2# med tuf plu; sx, and 0.8% FLA. Tail in w/118 cu.ft. Class B neat-circ.

Amoco proposes to drill the above well to further develop the Dakota and Gallup reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to TD with a low solids nondispersed mud system. Completion design will be based on open hole logs. Copy of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design. Upon completion the well site will be cleaned and the reserve pit filled and leveled. The gas from this well is undedicated at this time.

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.

25. Original Signed By
B. D. Shaw
TITLE Administrative Supervisor
APPROVAL DATE JUN 1 1984
(This space for Federal or State office use)
PERMIT NO. APPROVAL DATE
APPROVED BY (SGD.) MATTHEW N. MILLENBACK
CONDITIONS OF APPROVAL, IF ANY: AREA MANAGER
FARMINGTON RESOURCE AREA
NMOCC
*See Instructions On Reverse Side

All distances must be from the outer boundaries of the Section.

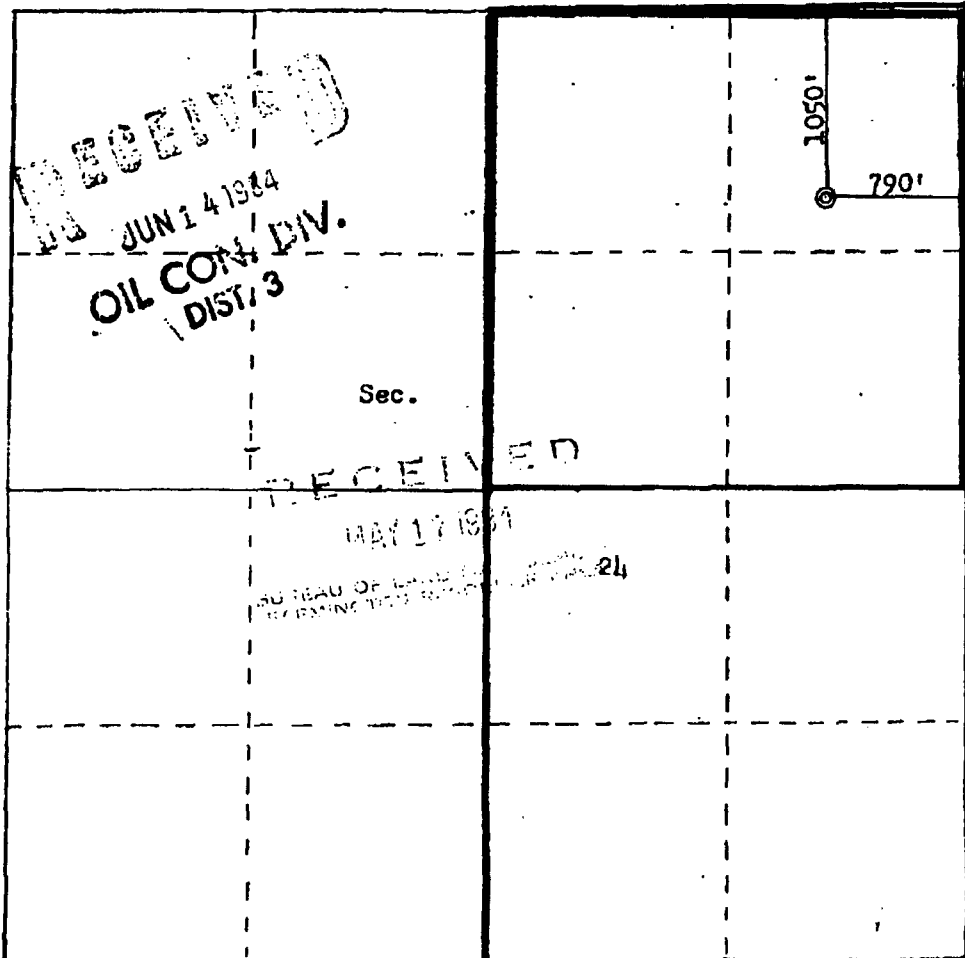
Operator AMOCO PRODUCTION COMPANY			Lease ROSA UNIT		Well No. 116
Unit Letter A	Section 24	Township 31N	Range 6W	County Rio Arriba	
Actual Footage Location of Well:					
1050		feet from the North	line and 790	feet from the East	line
Ground Level Elev: 6280	Producing Formation Gallup/Dakota		Pool Basin Dakota/Undes. Gallup		Dedicated Acreage: 320/160 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 interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Unitized

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

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



Scale: 1"=1000'

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
Original signed by B. D. Shaw

Name
B. D. Shaw

Position
Administrative Supervisor

Company
Amoco Production Company

Date
May 14, 1984

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
December 5, 1983

Registered Professional Engineer and Land Surveyor
Fred B. Kerr Jr.

Certificate No. **3950**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐NORTHWEST PIPELINE PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☐OTHER ☐

2. NAME OF OPERATOR

Northwest Pipeline Corporation

3. ADDRESS OF OPERATOR

P.O. Box 90, Farmington, N.M. 87499

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

At surface

1850 FSL & 790 FWL NW/SW

At proposed prod. zone

1850 FSL & 790 FWL NW/SW

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

22 Miles East of Navajo Dam Post Office

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

790'

18. DISTANCE FROM PROPOSED LOCATION*

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

2200' ±

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

6545' GR

23.

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

PROPOSED CASING AND CEMENTING PROGRAM

5. LEASE DESIGNATION AND SERIAL

SF 078764

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Rosa Unit

8. TERM OF LEASE NAME

Rosa Unit

9. WELL NO.

#97

10. FIELD AND POOL, OR WILDCAT

Blanco MV/Basin DK/ Gal

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

Sec 31, T31N, R5W

12. COUNTY OR PARISH

Rio Arriba

N.M.

16. NO. OF ACRES IN LEASE

N/A

17. NO. OF ACRES ASSIGNED
TO THIS WELL

232.99

19. PROPOSED DEPTH

8115

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

July 1983

This action is subject to administrative
appeal pursuant to 30 CFR 290.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-1/2"	10-3/4"	40.5#	350'	255 cu.ft
9-7/8"	7-5/8"	26.4#	3860'	490 cu.ft
6-3/4"	5-1/2"	15.5#, & 17.0#	8115'	550 cu.ft

Selectively perforate and stimulate the Mesa Verde, Dakota and Gallup Formations.
Completion plans will be determined at Total Depth.

A BOP will be installed after the surface casing is set and cemented. All
subsequent work will be conducted through the BOP's.

The South Half of Section 31 is dedicated to all formations.

Gas is dedicated.

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 prevention program, if any.

24.

SIGNED

Paul C. Thompson

TITLE Sr. Drilling Engineer

5-4-83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

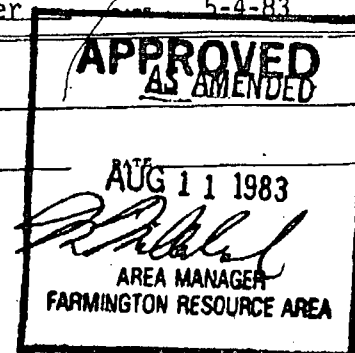
TITLE

CONDITIONS OF APPROVAL, IF ANY:

PCT:djb

*See Instructions On Reverse Side

OPERATOR



All distances must be from the outer boundaries of the Section.

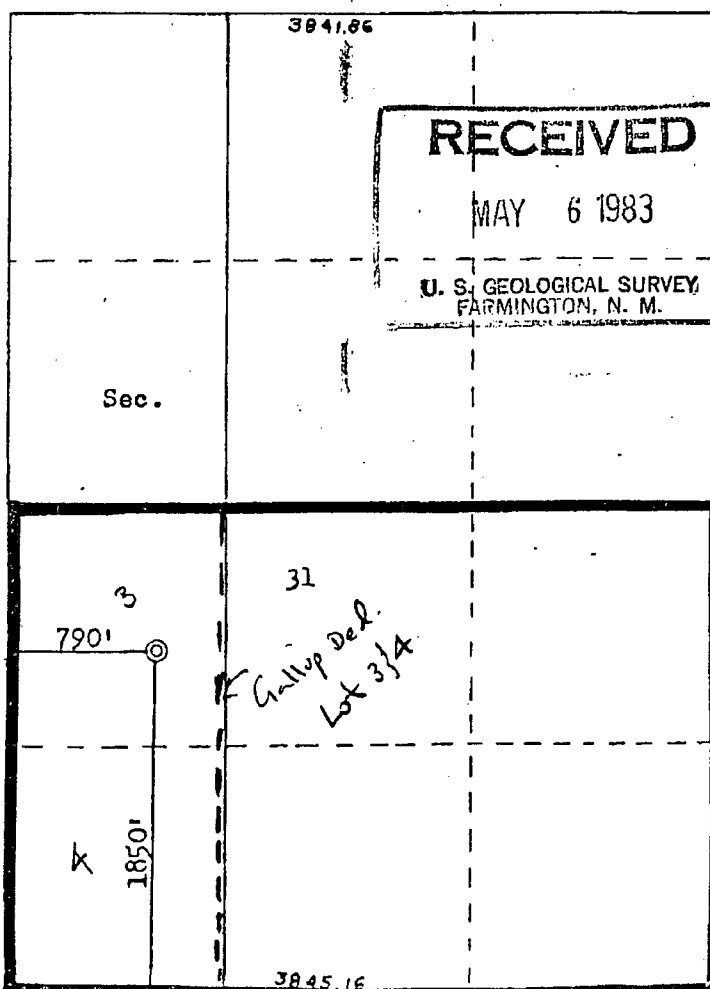
Operator NORTHWEST PIPELINE CORPORATION			Lease ROSA UNIT		Well No. 97
Unit Letter K	Section 31	Township 31N	Range 5W	County Rio Arriba	
Actual Footage Location of Well: 1850 feet from the South line and 790 feet from the West line					
Ground Level Elevation 6545	Producing Formation MV/ Gal-DK	Pool Blanco MV/ Basin DK	Undesignated Gal		Dedicated Acreage: 232.99 MV&G1-DK Acres

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 of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes" type of consolidation Unitization

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

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



Scale: 1"=1000'

CERTIFICATION

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

Paul C. Thompson

Name

Paul C. Thompson

Position

Sr. Drilling Engineer

Company

Northwest Pipeline Corp

Date

April 7, 1983

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

April 1, 1983

Registered Professional Engineer and Land Surveyor

Fred E. Kerr Jr.
Fred E. Kerr Jr.

Certification No. 1950

NEW MEXICO OIL CONSERVATION COMMISSION
WE LOCATION AND ACREAGE DEDICATION PLAT

NORTHWEST PIPELINE CORPORATION

Form C-102
Supersedes C-1
Effective 1-4-65

All distances must be from the outer boundaries of the Section.

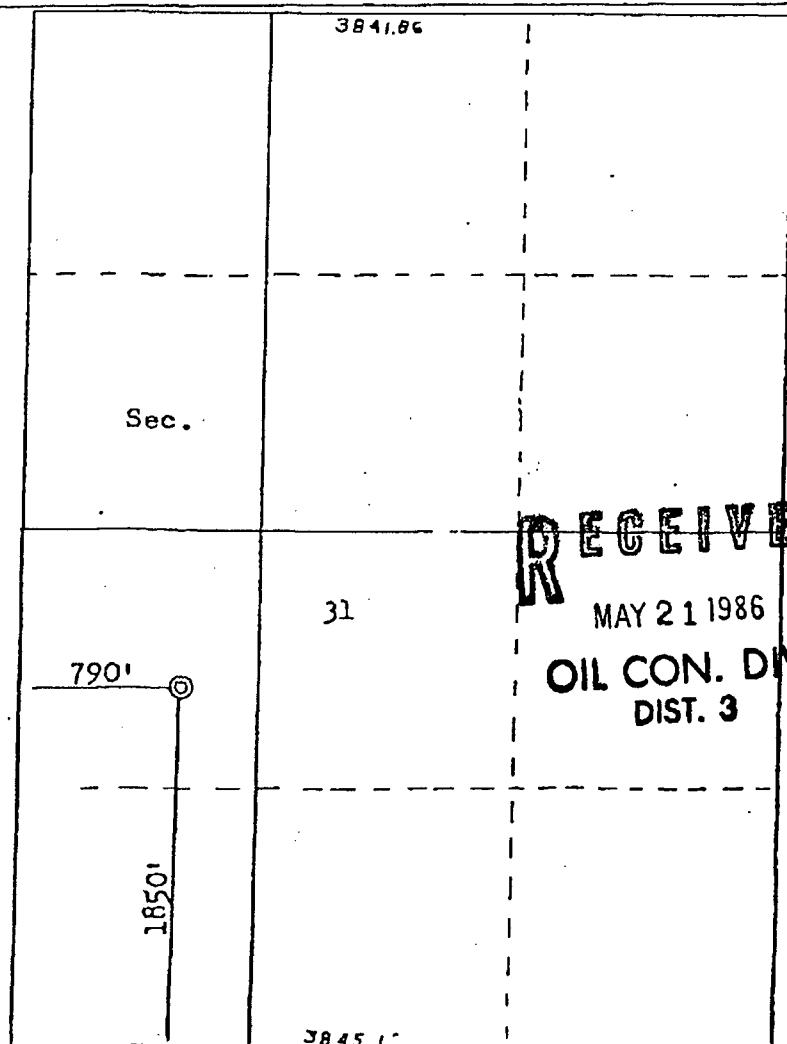
Operator NORTHWEST PIPELINE CORPORATION		Lease ROSA UNIT		Well No. MAY 18 1987 97	
Unit Letter K	Section 31	Township 31N	Range 5W	County Rio Arriba	
Actual Footage Location of Well: 1850 (feet from the South line and 790 feet from the West line)					
Ground Level Elev. 6545	Producing Formation W/Gal	Pool Blanco	Laguna Seca Gallup	Dedicated Acreage: 72.99 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 interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Unitization

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

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



CERTIFICATION

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

Mike J. Turnbaugh
Name

Mike J. Turnbaugh

Position

Sr. Engineer

Company

Northwest Pipeline Corp.

Date

May 19, 1986

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

April 1, 1983

Registered Professional Engineer and Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No.

B

MEXICO OIL CONSERVATION COMMISS
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
 Supersedes C-128
 Effective 1-1-65

All distances must be from the outer boundaries of the Section.

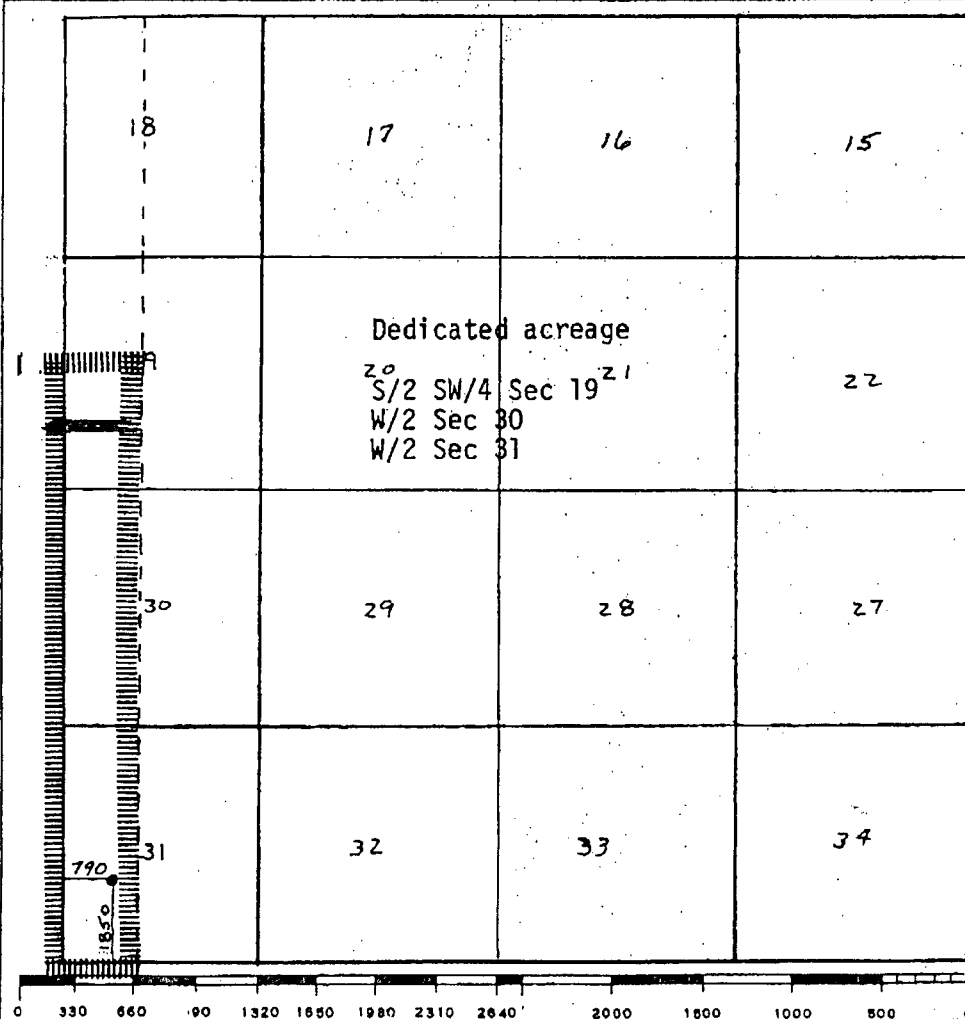
Operator Northwest Pipeline Corporation			Lease Rosa Unit		Well No. 97
Unit Letter K	Section 31	Township 31N	Range 5W	County Rio Arriba	
Actual Footage Location of Well: 1850 feet from the South line and 790 feet from the West line					
Ground Level Elev. 6545'	Producing Formation Gal- DK		Pool Undesignated Gal/Basin Dakota		Dedicated Acreage: 327.63 GL-DK Acres

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 of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Unitization

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

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



CERTIFICATION

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

Paul C. Thompson

Name
Paul C. Thompson

Position
Sr. Drilling Engineer

Company
Northwest Pipeline Corp

Date
September 20, 1983

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 _____

Registered Professional Engineer and/or Land Surveyor _____

Certificate No. _____

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION



GARREY CARRUTHERS
GOVERNOR

March 20, 1987

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

Northwest Pipeline Corporation
P. O. Box 90
Farmington, New Mexico 87499

Attn: M. J. Turnbaugh

AMENDED

Administrative Order NSP-1378

*K-31-31A-500
Base Unit #97*

Dear Mr Turnbaugh:

It appearing to the Division that Administrative Order NSP-1378, dated May 12, 1983, as amended March 3, 1987, does not correctly state the intended order of the Division.

It is therefore ordered that only that portion of said Order NSP-1378, as amended authorizing a non-standard gas proration unit for the Basin Dakota Pool be omitted and that all other provisions set forth thereon shall remain in full force and effect until further notice.

Sincerely,

A handwritten signature in cursive script, appearing to read "William J. Lemay".

WILLIAM J. LEMAY, DIRECTOR

WJL/MES/et

xc: Oil Conservation Division - Aztec
Bureau of Land Management - Farmington

RECEIVED

MAR 24 1987

OIL CON. DIV.
DM. 3

In Lieu of
Form 3160
(June 1990)

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

204 MAR 11 AM 10:37

070 Farmington, NM

Lease Designation and Serial No.
SF-078764

If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	7. If Unit or CA, Agreement Designation ROSA UNIT
2. Name of Operator WILLIAMS PRODUCTION COMPANY	8. Well Name and No. ROSA UNIT #97
3. Address and Telephone No. PO BOX 3102 MS 25-1, TULSA, OK 74101 (918) 561-6254	9. API Well No. 30-039-23304
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1830' FSL & 790' FWL, NW/4 SW/4, SEC 31 T31N R3W	10. Field and Pool, or Exploratory Area UNDES. GALLUP BASIN DAKOTA
	11. County or Parish, State RIO ARRIBA, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
Notice of Intent	X Abandonment
Subsequent Report	Recompletion
X Final Abandonment	Plugging Back
	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 Recombination 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.)*

12-19-2003 MIRU, spot in rig & RU, well SI for weekend.

12-22-2003 ND tree, NU BOP. Screw pup it into donut, attempt to release pkr. ND stripping head, pull donut above BOP & set slips, break out donut, NU stripping head. RU power swivel. Weatherford pkr hand on location, try to release production pkr, call for free point truck, tied up on job, continue to try & release pkr. Wireline Specialties called, truck finished up headed our way, RD power swivel. Wait on wireline truck. RU Wireline Specialties. RIH w/ 1-11/16" sinker bar, tag @ 7330', POOH, RIH w/ 1 1/2" sinker bar, tag @ 7658', POOH, SWIFN.

12-23-2003 RIH w/ free point, showed 100% free @ 7410', 65% @ 7465', 65% @ 7500', 18% @ 7630', tagged @ 7638', got a few false readings, recalibrate & free point again, POH. MU 80 grain prep shot & RIH, shoot @ 7807' to remove any scale, POH, MU 1 1/2" chem. cutter, RIH, string weight 34,000# pull up to 60,000#, cut tbg @ 7807', weight dropped to 34,000#, POOH, RD wire line. Tally tbg while TOH, pulled 36 stands, next 5 jts had deep pits & scale on out side, depth around 2594'. Wait on float. Move power swivel skid, spot in float, set catwalk closer to rig, SWIFN.

Continued on back

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

Signed Tracy Ross
TRACY ROSS

Title SENIOR PRODUCTION ANALYST

Date March 4, 2004

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

ACCEPTED FOR RECORD

MAR 11 2004

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.

NR000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM DISTRICT OFFICE
FEB 23 PM 1:17

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

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐

b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE LANE ☒ MULTIPLE LANE ☐

2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY OGRID 120782

3. ADDRESS AND TELEPHONE
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 BLM instructions on reverse side)
At surface 890' FSL & 920' FEL
At proposed prod. zone Same

5. LEASE OR MINERAL AND SERIAL NO.
SF-078767

6. IF UNDER ALLOTTEE OR TRUST NAME

7. UNIT AGREEMENT NAME

8. FARMER-LAND NAME, WELL NO.
Rosa Unit #30 (008480)

9. AP WELL NO.
9-039-25570

10. FIELD AND POOL, OR WELLS
Blanco Mesa Verde 72319

11. SEC., T., R., OR BLK. AND SURVEY OR AREA
0 Sec. 12, T31N, R6W-

12. COUNTY OR PARISH 13. STATE
Rio Arriba NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
25 miles NE of Blanco, N.M.

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any)
890'

16. NO. OF ACRES ADJACENT TO THIS WELL
2518.04

17. NO. OF ACRES ADJACENT TO THIS WELL
5/271.40

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETES, OR APPLIED FOR, ON THIS LEASE, FT.
3000'

19. PROPOSED DEPTH
6215

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DP, RT, GR, etc.)
6490' GR
This section is subject to technical and procedural review pursuant to 43 CFR 3100.3 and appeal pursuant to 43 CFR 3100.4

22. APPROX. DATE WORK WILL START
May 1996

PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF BOLT	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8", K-55	36.0	250	157 cuft C1 "B" w/3% CaCl ₂
8-3/4"	7", K-55	20.0	3795	904 cuft 65/35 Poz, 188 cuft C1B
6-1/4"	4-1/2", K-55	10.5	3695-6215	414 cuft C1 "B" w/4% gel & additives

WILLIAMS PRODUCTION COMPANY proposes to drill a vertical well to develop the Mesa Verde formation at the above described site in accordance with the attached drilling and surface use programs.

This location has been archaeologically surveyed by CRMC. This report will be submitted directly to your office.

This APD also is serving as an application to obtain BLM road and pipeline right-of-way. The well will be accessed by a new road approximately 1315' long which crosses the SE/SE of Section 12, T31N, R6W, where it connects to the main Rosa Road. The Rosa Road continues SE for 24 miles where it connects to the Sims Mesa Highway. The pipeline route will follow the new access road where it connects to an existing line at the Rosa Road.

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 prevention program, if any.

24

APPROVED Paul C. Thompson TITLE Paul C. Thompson Agent APPROVED
AS AMENDED

(This space for Federal or State office use)

PERMIT TO

APPROVAL DATE

FEB 23 1996

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

CONDITIONS OF APPROVAL IF ANY

DISTRICT MANAGER

MMOCD

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 N. M. Brown 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

010 HILLMAN, NM ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-25570		Pool Code 72319	Pool Name BLANCO MESA VERDE
Property Code 008480	Property Name Rosa Unit		Well Number 30
OCRID No. 120782	Operator Name Williams Production Co.		Elevation 6490'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
O	12	31 N	6 W		890	South	920	East	R.A.

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 5/271.40	Joint or Infill N	Consolidation Code U	Order No.						

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

	16	2640.00'	1320.00'	512.82'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Paul C. Thompson</i> Signature Paul C. Thompson, Agent Printed Name President Walsh Engr. & Prod. Corp. Title 2/20/96 Date
					18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was placed 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. 11/20/95 Date of Survey <i>HERNANDEZ</i> Signature 0837 Certificate Number