

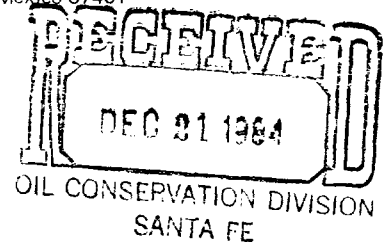


Amoco Production Company

Petroleum Center Building
501 Airport Drive
Farmington, New Mexico 87401
505-325-8841

W. J. Holcomb
District Manager

December 14, 1984



New Mexico Oil Conservation Division
Attn: David Catanach
P. O. Box 2088
Santa Fe, NM 87501

Case 8513

File: DDL-1251-400.1

Dear Sirs:

Commingling Application for the Rosa Unit 59
Section N25, T31N, R6W, Rio Arriba County, NM

Amoco Production Company requests approval to commingle production from the Flora Vista Gallup and Basin Dakota horizons in the subject well. Commingling is necessary due to producing rates from the Gallup that are too low to economically dual complete the well. There will be no crossflow between the two zones as neither zone is sensitive to produced liquids, and there will be no loss of value of production. Finally, the working interest and royalty of both zones are the same, and the bottom hole pressure of the Gallup is more than 50 percent of the bottom hole pressure of the Dakota. We therefore request approval of our commingling application.

As required by Rule 303C, we have attached two copies of the following:

1. Acreage Plat
2. Form C-107
3. Form 3160-4 Well Completion Report
4. Bottom hole pressures
5. Recommended allocation formula
6. Copy of notification to offset operators

This well is a new completion, and thus no production decline curves are supplied. Neither zone makes any condensate and there is no fluid compatibility problem. In conclusion, production from the Gallup is too low to warrant dual completion with the Dakota. Therefore, please approve our application to commingle at your earliest convenience.

Yours very truly,

W. J. Holcomb

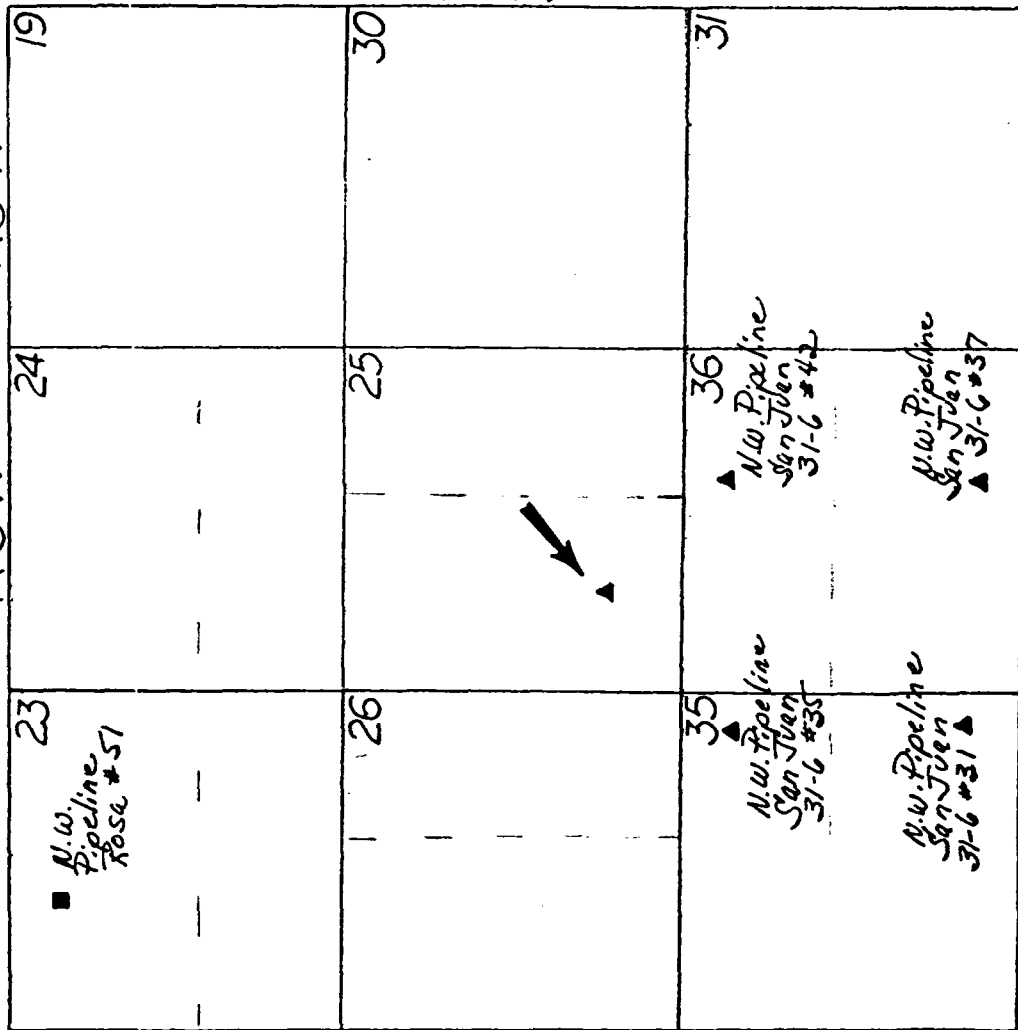
MEM/ct

cc: NMOCD - Aztec, NM (2)

NWPL - Farmington, NM

AM7

R6W R5W



BASIN DAKOTA

UNDES GALLUP

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

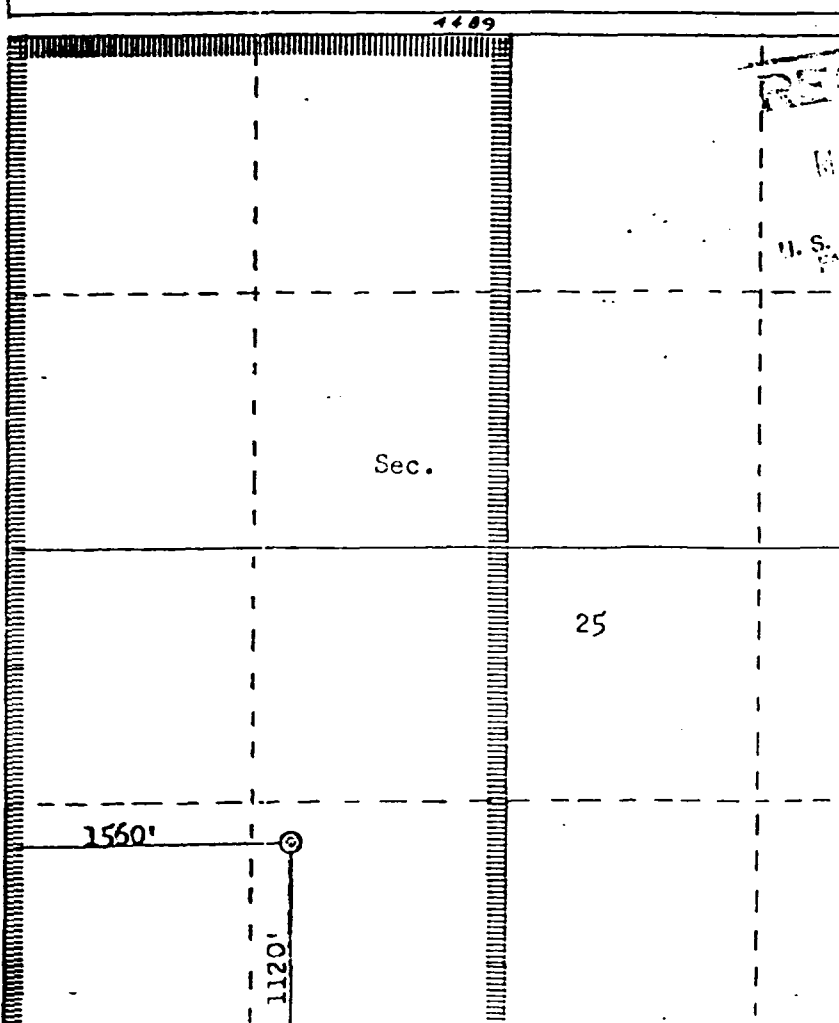
Operator NORTHWEST PIPELINE CORPORATION			Lease ROSA UNIT		Well No. 59
Unit Letter N	Section 25	Township 31^N	Range 6W	County Rio Arriba	
Actual Footage Location of Well: 1120 feet from the South line and 1560 feet from the West line					
Ground Level Elev. 6400	Producing Formation Gallup/ Dakota		Pool Gallup/Basin Dakota	Undesignated Acres 320	

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.



RECEIVED
MAY 17 1983
U. S. GEOLOGICAL SURVEY
SANTA FE, N. M.

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
May 11, 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
May 9, 1983
Registered Professional Engineer and Land Surveyor
Paul C. Thompson

Form 311 0 + 4 BLM-Farmington
(November 1 - J.C. Burnside-Denver
(former) 1 - Open 1-MEM
1-J.H. GABLE 1-LSP

ES SUBMIT IN DUPLICATE*
INTERIOR (See other in-
strument structions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

2. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other _____

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 1560' FWL X 1120' FSL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

13. STATE

Rio Arriba

NM

15. DATE SPUDDED

10/21/83

16. DATE T.D. REACHED

11/10/83

17. DATE COMPL. (Ready to prod.)

7/26/84

18. ELEVATIONS (OF, RKB, RT, GR, ETC.)*

6413' KB

19. ELEV. CASINGHEAD

6400' GR

20. TOTAL DEPTH, MD & TVD

8090'

21. PLUG BACK T.D., MD & TVD

8039'

22. IF MULTIPLE COMPL., HOW MANY*

2

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

O-TD

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

7867'-8018' Dakota

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL-SP-GR-CNL-FDC-GR

27. WAS WELL CORED

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#H-40	417'	17-1/2"	480 c.f. Class B, 2% C ₂ Cl ₂	
4-1/2"	11.6#, K-55	8090'	7-7/8"	Stage 1: 1286 c.f. Class B	50:50 poz- &
				rafted in w/118 c.f. Class B Neat.	
				(continued on back)	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"					2-3/8"	8000'	7277'
							sliding sleeve

31. PERFORATION RECORD (Interval, size and number)

8004'-8018', 7948'-7954', 7914'-7930',
7867'-7886', 2 jspf, .34", total of 110
holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7867'-8018'	125,000 gal. crosslinked gel & 205,000# 20-40 sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
8/21/84		Flowing				Shut-In	
DATE OF TEST	HOLES TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8/22/84	3	.75"	→		234		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
148 psig	148 psig	→		1866			

34. COMPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold

TEST WITNESSED BY

J. J. Barnett

35. LIST OF ATTACHMENTS

None

ACCEPTED FOR RECORD

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

Original signed By

OCT 02 1984

SIGNED

B. D. Shaw

TITLE Administrative Supervisor

DATE 9/24/84

FARMINGTON RESOURCE AREA

28. Stage 2: 3,073 c.f. Class B 65:35 poz. & celled in w/236 c.f. Class B. Neat.

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	
					MEAS. DEPTH	TRUE VERT. DEPTH
Mesa Verde	3226	6405				
Gallup	6405	7317				
Mancos Shale	7317	7690				
Greenhorn	7690	7858				
Graneros Dakota	7858	7911				
Main Dakota	7911	TD				

Form 3160-4
(November 15
formerly 9-

0 + 4 BLM-Farmington
1 - J.C. Burnside-Denver
1 - Open
1 - J.H. Goble
1 - M.E.M.
1 - LSP

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)

INTERIOR
ENT

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

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

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, NM 87401

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

At surface 1560' FWL X 1120' FSL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. DATE ISSUED

12. COUNTY OR PARISH 13. STATE

Rio Arriba

NM

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DT, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

10/21/83

11/10/83

7/26/84

6413' KB

6400' GR

20. TOTAL DEPTH, MD & TVD 21. PLUG BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. ROTARY TOOLS 25. CABLE TOOLS

8090'

8039'

2

0-FT

26. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 27. WAS DIRECTIONAL SURVEY MADE

6444'-7520' Gallup

Yes

28. TYPE ELECTRIC AND OTHER LOGS RUN 29. WAS WELL CORED

DIL-SP-GR-CNL-FDC-GR

NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#, H-40	417'	17-1/2"	480 c.f. Class B, 2% CaC	2
4-1/2"	11.6#, K-55	8090'	7-7/8"	Stage 1: 1,286 c.f. Class B 50:50 poz & tailed in w/118 c.f. Class B Neat (continued on back)	

31. LINER RECORD 32. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	8000'	7277'

(sliding sleeve)

33. PERFORATION RECORD (Interval, size and number)

7520'-7390', 1 jspf, 38", 7257'-7088', 7087'-6936', 1 jspf, .31"; 6700'-6444', 1 jspf, .31", total of 706 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7520'-7390'	7000 gal pad, 9485 gal 1 ppg 20-40 sand, 60# gel, 1 gal/1000 surf
7257'-6936'	92,000 gal pad 50# gel-hi temp

35. PRODUCTION (continued on back)

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					(continued on back)	
8/21/84		Flowing					WELL STATUS (Producing or shut-in)	
							Shut In	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
8/22/84	3	.75"	→		207			
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
130 psig	578 psig	→		1653				

36. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold

TEST WITNESSED BY

37. LIST OF ATTACHMENTS

None

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

B. D. Shaw

SIGNED TITLE Administrative Supervisor DATE 9/24/84

ACCEPTED FOR RECORD

28. Stage 2: 3,073 c.f. Class B 65:35 Poz installed in w/236 c.f. Class B Poz (6700-6444') 92,800 gal 40# & 50# gelled
 32. 68,000 gal 40# gel; 1ppg sand 32,303 gal 40# gel, 2 ppg sand. (6700-6444') 92,800 gal 40# & 50# gelled
 32. fluid w/2% KCL, 50# breaker & 26,800# 20-40 mesh sand, 1 gal/1000 surf.

7. 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	
					MEAS. DEPTH	TRUE VERT. DEPTH
Mesa Verde	3276	6405				
Gallup	6405	7317				
Mancos Shale	7317	7690				
Greenhorn	7690	7858				
Graneros Dakota	7858	7911				
Main Dakota	7911	TD				

B & R SERVICE, INC.

P. O. Box 1048
Farmington, New Mexico 87499
(505) 325-2393

Company AMOCO PRODUCTION CO. Lease ROSA UNIT Well 59
County SAN JUAN State NEW MEXICO Date 9-3-84
Shut-In _____ Zero Point G.L. Tbg. Pressure _____
Casing Pressure _____ Tbg. Depth _____ Casing Perf. _____
Max. Temp. _____ Fluid Level _____

8-21-84

<u>DEPTH</u>	<u>PSIG</u>	
0	2692	Dakota
7975	3198	
TEMPERATURE	239 ^o F	

9-3-84

<u>DEPTH</u>	<u>PSIG</u>	
0	2341	Gallup
7665	2942	
TEMPERATURE	232 ^o F	

Recommended Allocation Formula

Amoco Production Company recommends the following percentages to be used to allocate hydrocarbons to the Gallup and Dakota horizons in the Rosa Unit 59.

	<u>Gas</u>
Gallup	47%
Dakota	53%

Note: The gas allocation percentages were calculated using initial potential test results.

MEM

December 18, 1984

El Paso Natural Gas Company
P. O. Box 990
Farmington, NM 87499

File: DDL-1278-400.1

Dear Sirs:

Commingling Application
Rosa Unit 59
Section N25, T31N, R6W
Rio Arriba County, New Mexico

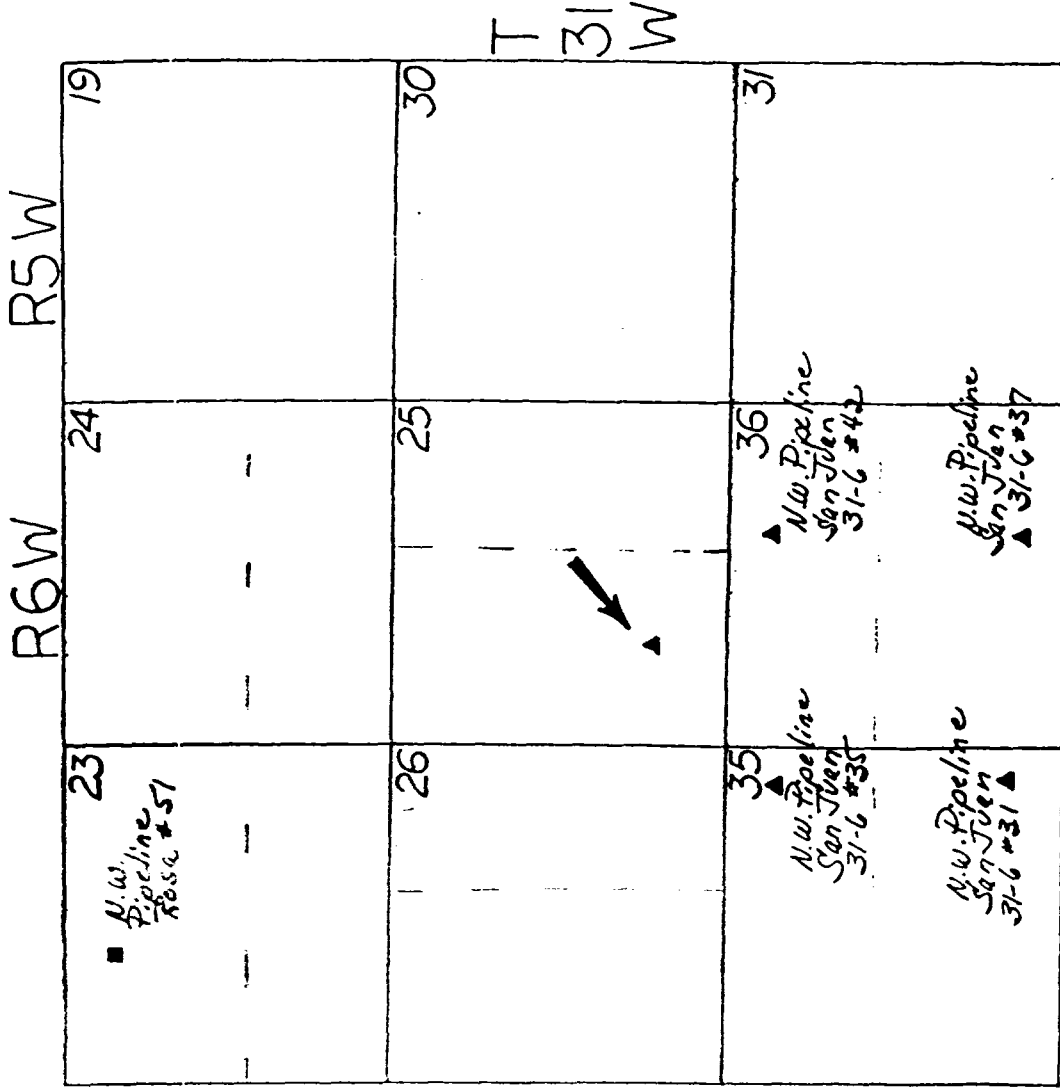
Amoco Production Company has applied for approval to commingle the Gallup and Dakota horizons in the subject well. If you have any objections, you have 20 days to notify the New Mexico Oil Conservation Division. If you do not respond within 20 days, your approval will be assumed.

Yours very truly,

Original Signed
W. J. Holcomb
by DDL

MEM/ct

AH7



BASIN DAKOTA

UNDES GALLUP

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

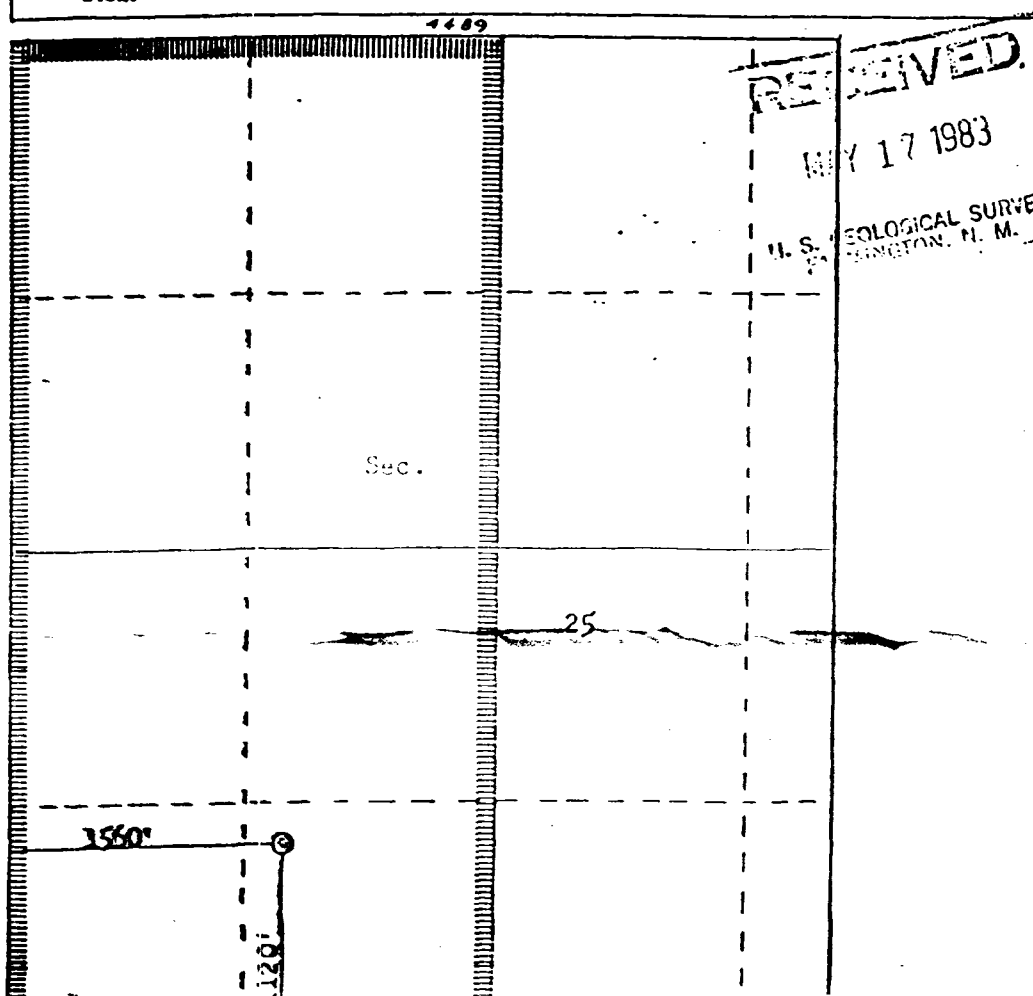
Operator NORTHWEST PIPELINE CORPORATION			Lease ROSA UNIT		Well No. 59
Unit Letter N	Section 25	Township 31^N	Range 6W	County Rio Arriba	
Actual Footage Location of Well: 1120 feet from the South line and 1560 feet from the West line					
Ground Level Elev. 6400	Producing Formation Gallup/ Dakota		Pool Gallup/Basin Dakota	Undesignated	Indicates Address: 320

- 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 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
May 11, 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
May 9, 1983

Registered Professional Engineer and Land Surveyor

Form 311
(November
1985)

0 + 4 BLM-Farmington
1 - J.C. Burnside-Denver
1 - Open
1 - J.H. GOBLE
1 - MEM
1 - LSP

ES
INTERIOR
EMENT

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

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. CENVR ☐ 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 and in accordance with any State requirements)*

At surface 1560' FWL X 1120' FSL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR
PARISH

13. STATE

Rio Arriba

NM

15. DATE SPUDDED

10/21/83

16. DATE T.D. REACHED

11/10/83

17. DATE COMPL. (Ready to prod.)

7/26/84

18. ELEVATIONS (OF, RKB, RT, GR, ETC.)*

6413' KB

19. ELEV. CASINGHEAD

6400' GR

20. TOTAL DEPTH, MD & TVD

8090'

21. PLUG, BACK T.D., MD & TVD

8039'

22. IF MULTIPLE COMPL.,
HOW MANY*

2

23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

O-TD

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

7867'-8018' Dakota

25. WAS DIRECTIONAL
SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL-SP-GR-CNL-FDC-GR

27. WAS WELL CORED

No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#H-40	417'	17-1/2"	480 c.f. Class B, 2% C ₂ Cl	
4-1/2"	11.6#, K-55	8090'	7-7/8"	Stage 1: 1286 c.f. Class B 50:50 poz-6 rafted in w/118 c.f. Class B Neat.	

(continued on back)

LINER RECORD

SIZE	WTD (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	8000'	7277

sliding sleeve

31. CORPORATION RECORD (Interval, size and number)

8004'-8018', 7948'-7954', 7914'-7930',
7867'-7886', 2 jsfp, .34", total of 110
holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7867'-8018'	125,000 gal. crosslinked gel 205,000# 20-40 sand

PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
8/21/84	Flowing	Shut-In

DATE TESTED	THROCK SIZE	PROD'N. FOR TEST PERIOD	OIL—RBL.	GAS—MCF	WATER—RBL.	GAS-OIL RATIO
8/22/84	3	.75"		234		

PLUG, TESTING TOOLS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—RBL.	GAS—MCF	WATER—RBL.	OIL GRAVITY-API (CORR.)
148 psig	148 psig			1866		

34. CHARACTER OF GAS (SdL, used for fuel, vented, etc.)

TEST WITNESSED BY

To be sold

J. J. Barnett

35. LIST OF ATTACHMENTS

None

ACCEPTED FOR RECORD

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

Original signed by

B. D. Shaw

TITLE Administrative Supervisor

DATE 9/24/84

OCT 02 1984

28. Stage 2: 3,073 c.f. Class B 65:35 poz. & tailed in w/236 c.f. Class B. Neat.

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	MEAS. DEPTH	TRUE VERT. DEPTH
sa Verde	3226	6405				
allup	6405	7317				
ncos Shale	7317	7690				
eenhorn	7690	7858				
aneros Dakota	7858	7911				
in Dakota	7911	TD				

Form 3160-4
(November 15
formerly 9-

C + 4 BLM-Farmington
1 - J.C. Burnside-Denver
1 - Open 1-MEM
1-S.H. GORUE 1-LSP

SUBMIT IN DUPLICATE*

INTERIOR
ENT

(See other in-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL ☐ OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

2. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ REPAIR ☐ PLUG BACK ☐ DIFF. CENVR. ☐ Other _____

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 1560' FWL X 1120' FSL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR
PARISH

13. STATE

Rio Arriba

NM

15. DATE SPUDDED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (OF, RKB, RT, GR, ETC.)*

19. ELEV. CASINGHEAD

10/21/83

11/10/83

7/26/84

6413' KB

6400' GR

20. TOTAL DEPTH, MD & TVD

21. PLUG BACK T.D., MD & TVD

22. IF MULTIPLE COMPL.,
HOW MANY*

23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

8090'

8039'

2

0-1D

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

6444'-7520' Gallup

25. WAS DIRECTIONAL
SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL-SP-GR-CNL-FDC-GR

27. WAS WELL CORED

NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#, H-40	417'	17-1/2"	480 c.f. Class B, 2% CaC ₂	2
4-1/2"	11.6#, K-55	8090'	7-7/8"	Stage 1: 1,286 c.f. Class B 50:50 poz & tailed in w/118 c.f. Class B Neat (continued on back)	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	8000'	7277'

(sliding sleeve)

31. PERFORATION RECORD (Interval, size and number)

7520'-7390', 1 jspe, 38", 7257'-7088',
7087'-6936', 1 jspe, .31"; 6700'-6444',
1 jspe, .31", total of 706 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7520'-7390'	7000 gal pad, 9485 gal 1 ppg 20-40 sand, 60# gel, 1 gal/10 surf
7257'-6936'	92,000 gal pad 50# gel-hi temp

33.

PRODUCTION

(continued on back)

DATE FIRST PRODUCTION

8/21/84

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

Flowing

WELL STATUS (Producing or
shut-in)

Shut-In

DATE OF TEST

HOURS TESTED

CHOKE SIZE

PROD'N. FOR
TEST PERIOD

OIL—BBL.

GAS—MCF

WATER—BBL.

GAS-OIL RATIO

8/22/84

3

.75"

→

207

FLOW, TUBING PRESS.

CASING PRESSURE

CALCULATED
24-HOUR RATE

OIL—BBL.

GAS—MCF

WATER—BBL.

OIL GRAVITY-API (CORR.)

130 psig

578 psig

→

1653

34. DESCRIPTION OF GAS (Well, used for fuel, vented, etc.)

To be sold

TEST WITNESSED BY

ACCEPTED FOR RECORD

35. NAME OF ATTACHMENT

None

Original Signed By

B. D. Shaw

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

37. SIGNATURE

TITLE Administrative Supervisor DATE 9/24/84

3. 58,800 gal 40# gel, 26,800 gal 50# breaker & 26,800 gal 20-40 mesh sand, 1 gal/1000 surf.
 4. 58,800 gal 40# gel, 26,800 gal 50# breaker & 26,800 gal 20-40 mesh sand, 1 gal/1000 surf.
 5. 58,800 gal 40# gel, 26,800 gal 50# breaker & 26,800 gal 20-40 mesh sand, 1 gal/1000 surf.

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	
					MEAS. DEPTH	TRUE VERT. DEPTH
esa Verde	3226	6405				
allup	6405	7317				
ancos Shale	7317	7690				
reenhorn	7690	7858				
aneros Dakota	7858	7911				
in Dakota	7911	TD				

B & R SERVICE, INC.

P. O. Box 1048
Farmington, New Mexico 87499
(505) 325-2393

Company AMOCO PRODUCTION CO. Lease ROSA UNIT Well 59
County SAN JUAN State NEW MEXICO Date 9-3-84
Shut-In _____ Zero Point G.L. Tbg. Pressure _____
Casing Pressure _____ Tbg. Depth _____ Casing Perf. _____
Max. Temp. _____ Fluid Level _____

8-21-84

<u>DEPTH</u>	<u>PSIG</u>	
0	2692	Dakota
7975	3198	
TEMPERATURE 239° F		

9-3-84

<u>DEPTH</u>	<u>PSIG</u>	
0	2341	Gallup
7665	2942	
TEMPERATURE 232° F		

Recommended Allocation Formula

Amoco Production Company recommends the following percentages to be used to allocate hydrocarbons to the Gallup and Dakota horizons in the Rosa Unit 59.

	<u>Gas</u>
Gallup	47%
Dakota	53%

Note: The gas allocation percentages were calculated using initial potential test results.

MEM

December 18, 1984

El Paso Natural Gas Company
P. O. Box 990
Farmington, NM 87499

File: DDL-1278-400.1

Dear Sirs:

Commingling Application
Rosa Unit 59
Section N25, T31N, R6W
Rio Arriba County, New Mexico

Amoco Production Company has applied for approval to commingle the Gallup and Dakota horizons in the subject well. If you have any objections, you have 20 days to notify the New Mexico Oil Conservation Division. If you do not respond within 20 days, your approval will be assumed.

Yours very truly,

Original Signed
W. J. Holcomb
by DDL

MEM/ct

AMZ