



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

July 22, 1999

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

#12226

Attention: Paul C. Thompson

Re: Administrative application to establish a non-standard 345.77-acre, more or less, gas spacing and proration unit within the Blanco-Mesaverde Pool comprising all of irregular Section 4, Township 31 North, Range 6 West, NMPM, San Juan County, New Mexico.

Dear Mr. Thompson:

The applicable rules governing the Blanco-Mesaverde Pool do not allow this type of non-standard unit to be processed administratively [see Division Order No. R-10987-A and Division Rule 104.D (2)]. However, I have caused this application to be placed on the next available examiner's hearing docket and have it advertised in the following manner:

"Application of Williams Production Company for a non-standard gas proration, San Juan County, New Mexico. Applicant seeks to establish a non-standard 345.77-acre, more or less, gas spacing and proration unit within the Blanco-Mesaverde Pool comprising all of irregular Section 4, Township 31 North, Range 6 West, which is located approximately 5 miles south of that point where Archuleta County, Colorado, La Plata County, Colorado, and the State of New Mexico meet. Blanco-Mesaverde gas production from both the Williams Production Company's: (i) Rosa Unit Well No. 60 (API No. 30-045-29798), located 790 feet from the South line and 1845 feet from the West line (Unit N) of Section 4; and (ii) Rosa Unit Well No. 60-A (API No. 30-045-29799), located 350 feet from the South line and 1920 feet from the East line (Unit O) of Section 4, is to be dedicated to this unit. IN THE ABSENCE OF OBJECTION, THIS APPLICATION WILL BE TAKEN UNDER ADVISEMENT."

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

Williams Production Company
Paul C. Thompson
July 22, 1999
Page 2

Should you have any questions or comments concerning this matter, please contact me in Santa Fe at (505) 827-8185. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael E. Stogner", with a long horizontal flourish extending to the right.

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
Ms. Terry Ross, Williams Production Company – Telefax No. (918) 573-1298

**WALSH**

ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting
Lease Management
Contract Pumping7415 East Main
Farmington, New Mexico 87402
(505) 327-4892 • Fax: (505) 327-9834

July 19, 1999

Ms. Lori Wrotenbery
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505

Re: Non-Standard Gas Unit
Williams Production Company
Rosa Unit #60
1850' FSL, 1185' FWL
Section 4, T31N R6W
Rio Arriba, NM
Blanco Mesa Verde

Dear Ms. Wrotenbery,

This is a request on behalf of Williams Production Company for administrative approval for a non-standard gas unit in the Blanco Mesa Verde pool for the referenced well. The proposed spacing unit is the south half of Section 4 and lots 5,6,7,8,9, and 37, T31N, R6W, which is 345.77 acres due to a variation in the legal subdivision of the U.S. Public Land Surveys.

As the Unit Operator of the Rosa Unit, Williams Production is the only offset operator. Attached is a plat indicating the well location and proposed spacing unit.

Thank you for your consideration and approval of this application. If you have any questions please do not hesitate to call upon me.

Sincerely,

Paul C. Thompson, P.E.
President, Walsh Engineering

cc: David Spitz, WPC
NMOCD Aztec NM
BLM Farmington NM

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-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 COM		*Well Number 60
*OGRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6490'

¹⁰ Surface Location

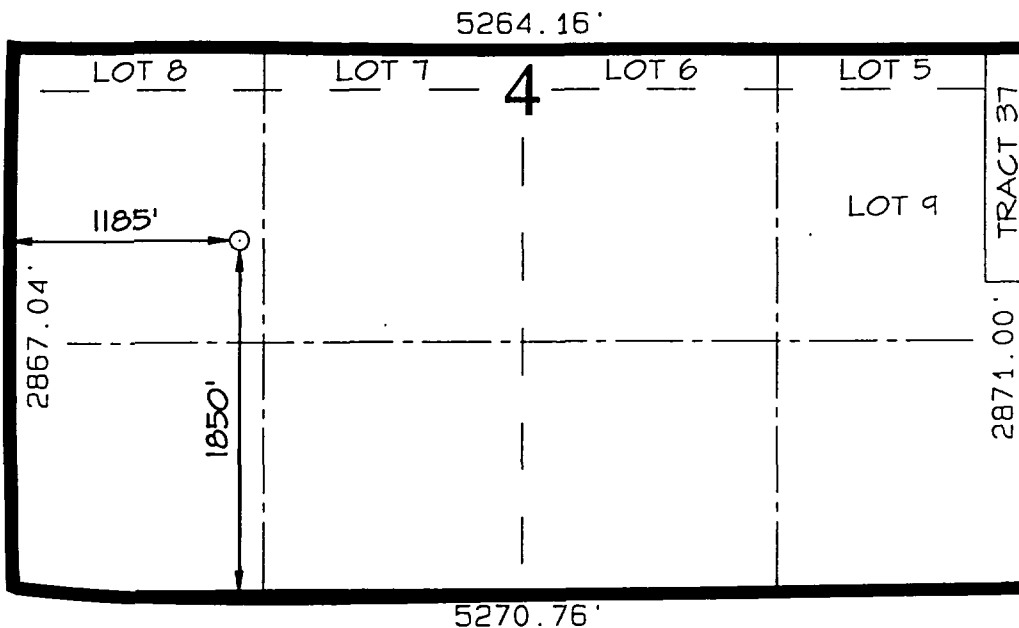
UL or lot no. L	Section 4	Township 31N	Range 6W	Lot Idn	Feet from the 1850	North/South line SOUTH	Feet from the 1185	East/West line WEST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 345.77		¹³ Joint or Infill Y		¹⁴ Consolidation Code U		¹⁵ Order No.			

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

16



¹⁷ OPERATOR CERTIFICATION

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

Paul C. Thompson
Signature
Paul C. Thompson
Printed Name
Agent
Title
3/23/99
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.

FEBRUARY 1, 1999
Date of Survey
Signature and Seal of Professional Surveyor
NEALE C. EDWARDS
NEW MEXICO
6857
Certificate 6857

**WALSH**

ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting
Lease Management
Contract Pumping7415 East Main
Farmington, New Mexico 87402
(505) 327-4892 • Fax: (505) 327-9834

July 19, 1999

Ms. Lori Wrotenbery
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505

Re: Non-Standard Gas Unit
Non-Standard location
Williams Production Company
Rosa Unit #60A
350' FSL, 1920' FEL
Section 4, T31N R6W
Rio Arriba, NM
Blanco Mesa Verde

Dear Ms. Wrotenbery,

This is a request on behalf of Williams Production Company for administrative approval for a non-standard gas unit and non-standard location in the Blanco Mesa Verde pool for the referenced well. The proposed spacing unit is the south half of Section 4 and lots 5,6,7,8,9, and 37, T31N, R6W, which is 345.77 acres due to a variation in the legal subdivision of the U.S. Public Land Surveys. The well site is on the western edge of a cliff that drops off into Navajo Lake. There is also an archaeological site located north and east of the proposed location.

As the Unit Operator of the Rosa Unit, Williams Production is the only offset operator. Attached is a plat indicating the well location and proposed spacing unit and a topo map which explains the reason for the wells location.



Thank you for your consideration and approval of this application. If you have any questions please do not hesitate to call upon me.

Sincerely,

A handwritten signature in black ink that reads "Paul C. Thompson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Paul C. Thompson, P.E.
President, Walsh Engineering

cc: David Spitz, WPC
NMOCD Aztec NM
BLM Farmington NM

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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District II
PO Drawer 00, 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		*Pool Code 72319	*Pool Name Blanco Mesa Verde
*Property Code 008480	*Property Name ROSA UNIT		*Well Number 60A
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6455'

¹⁰ Surface Location

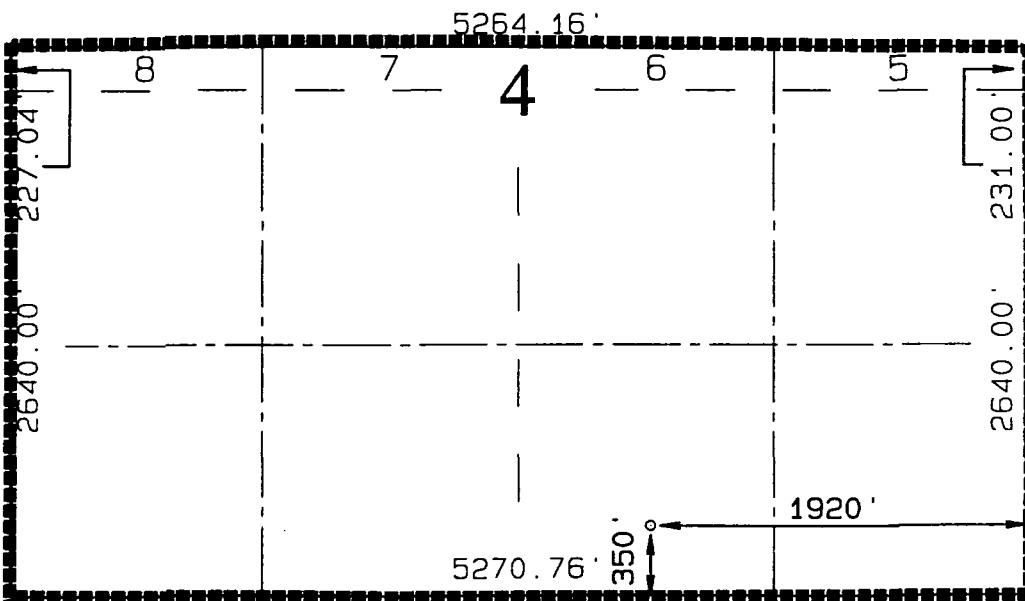
UL or lot no. 0	Section 4	Township 31N	Range 6W	Lot Idn	Feet from the 350	North/South line SOUTH	Feet from the 1920	East/West line EAST	County SAN JUAN
--------------------	--------------	-----------------	-------------	---------	----------------------	---------------------------	-----------------------	------------------------	--------------------

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 345.77	¹³ Joint or Infill I	¹⁴ Consolidation Code U	¹⁵ Order No.
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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

Paul C. Thompson
Signature
Paul C. Thompson
Printed Name
Agent
Title
1/22/99
Date

¹⁸ SURVEYOR CERTIFICATION

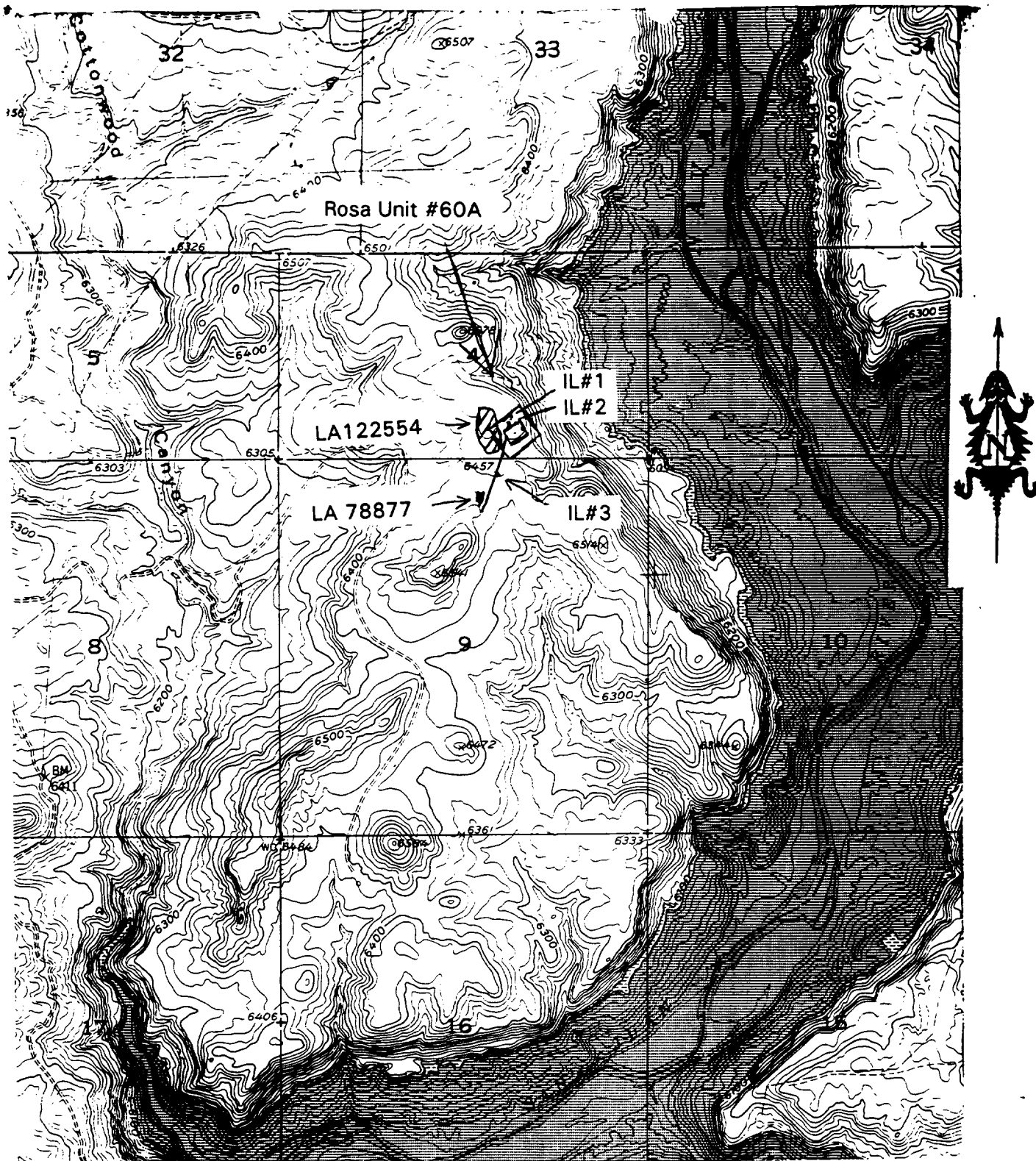
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

APRIL 13, 1998
Date of Survey

Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
6857
Certificate Number
PROFESSIONAL SURVEYOR







FIGURE 2



M.A.R. Report No. 98-047
NMCRIS Project No. 61449

Rosa Unit #60A
T.31N, R.6W, Sec. 4 & 9; NMPM
San Juan County, New Mexico

KEY:

Well Location: 
 Buffer Zone: 
 Access/Pipeline: 
 Isolated Loci: IL
 Archaeological Site:  or  or 

FOR OFFICIAL USE ONLY

DISCLOSURE OF SITE LOCATIONS
IS PROHIBITED (36CFR 296.18)

MAP: 7.5' Bancos Mesa NW, NM 1954 (Photorevised 1982)

SCALE: 1:24,000 (1 inch = 2000ft)

CONTOUR INTERVAL: 20 feet

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		7. UNIT AGREEMENT NAME Rosa Unit 17033	
1b. TYPE OF WELL OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE <input checked="" type="checkbox"/> MULTIPLE <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input type="checkbox"/> ZONE <input type="checkbox"/> ZONE <input type="checkbox"/>		8. FARM OR LEASE NAME 30-045-29798	
2. NAME OF OPERATOR Williams Production Company		9. WELL NO. 60	
3. ADDRESS OF OPERATOR c/o Walsh Engineering 7415 E. Main St., Farmington, NM 87402 (505) 325-4892		10. FIELD AND POOL OR WILDCAT Blanco Mesa Verde	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At Surface 790' FSL and 1845' FWL At proposed Prod. Zone		11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA Sec. 4, T31N, R6W	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 28 miles NE of Blanco, NM		12. COUNTY OR PARISH San Juan	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 790'		13. STATE NM	
16. NO. OF ACRES IN LEASE 2460.23		17. NO. OF ACRES ASSIGNED TO THIS WELL 345.77 343.23 R/L	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. 1400'		20. ROTARY OR CABLE TOOLS Rotary	
19. PROPOSED DEPTH 6127'		22. APPROX. DATE WORK WILL START* April 1999	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6453' GR			
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH
12-1/4"	9-5/8"	36#	250'
8-3/4"	7"	20#	3690'
6-1/4"	4-1/2"	10.5#	3590' - 6127'
		QUANTITY OF CEMENT	
		157 cu.ft. CL "H" with 2% CaCl ₂	
		835cu.ft. 65/35 poz & 240cu.ft. 50/50 poz	
		110cu.ft. 50/50 poz & 333cu.ft. 50/50 poz	

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

Williams Production Company proposes to drill a vertical well to develop the Mesa Verde formation at the above described location in accordance with the attached drilling and surface use plans.

This location has been archaeologically surveyed by Moore Anthropological Research. 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 be accessed by a new access road which will be 250' long and 20' wide and crosses the SE/SW of Sec. 4, where it joins an existing road that crosses the SW/SW of Sec. 4, NW/NW of Sec. 9, the S/2 N/2 of Sec. 8, NE/NE of Sec. 7, SE/SE of Sec. 6, SW/SW, SE/SW, NE/SW of Sec. 5, all of T31N R6W, SW/SW of Sec. 32, NE/SE and E/2 NE of Sec. 31, SE/SE, NE/SE, SE/NW, and NW/NW of Sec. 30 all of T32N R6W, and NE/NE Sec. 25, T32N, R7W where it joins San Juan County Road #4020.

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

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 Paul C. Thompson TITLE Paul C. Thompson, Ager DATE 1/22/99

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

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

CONDITIONS OF APPROVAL IF ANY:

APPROVED BY

/s/ Duane W. Spencer

TITLE

Team Lead, Petroleum Management

DATE

MAR - 2 1999

*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.

NMCCD

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 Dept

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
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OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

RECEIVED
BLM
03 JAN 25 PM 1:25 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-29798	*Pool Code 72319	*Pool Name Blanco Mesa Verde
*Property Code 008480	*Property Name ROSA UNIT	*Well Number 60
*OGRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY	*Elevation 6453'

10 Surface Location

UL or lot no. N	Section 4	Township 31N	Range 6W	Lot Idn	Feet from the 790	North/South line South	Feet from the 1845	East/West line West	County SAN JUAN
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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
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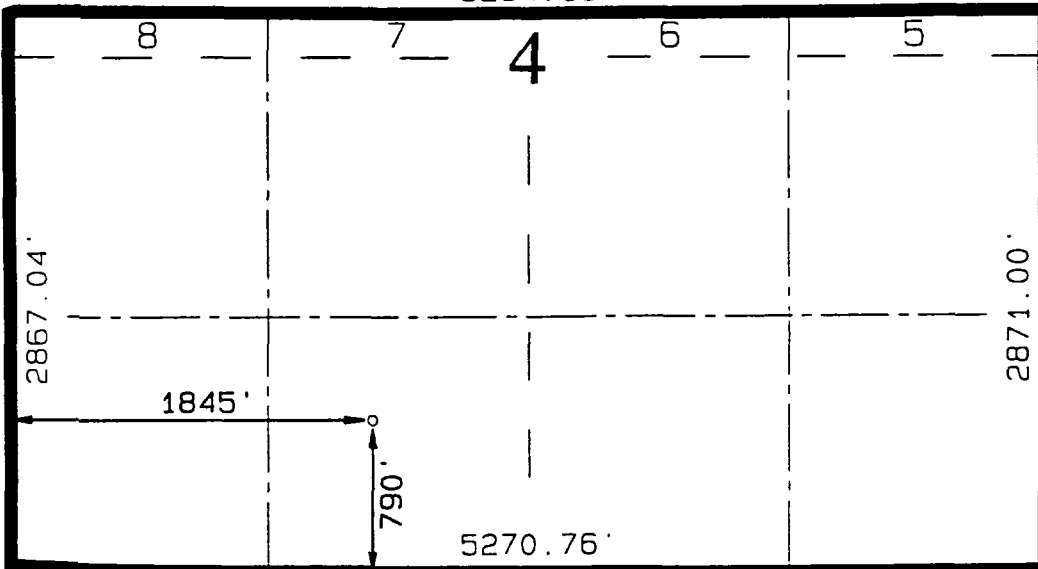
12 Dedicated Acres 345.77	13 Joint or Infill 343.23	14 Consolidation Code U	15 Order No.
------------------------------	------------------------------	----------------------------	--------------

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

RECEIVED
MAR - 4 1999

OIL CON. DIV.
DIST. 3

5264.16'



17 OPERATOR CERTIFICATION

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

Paul C. Thompson
Signature

Paul C. Thompson
Printed Name
Agent

Title
1/21/99

Date

18 SURVEYOR CERTIFICATION

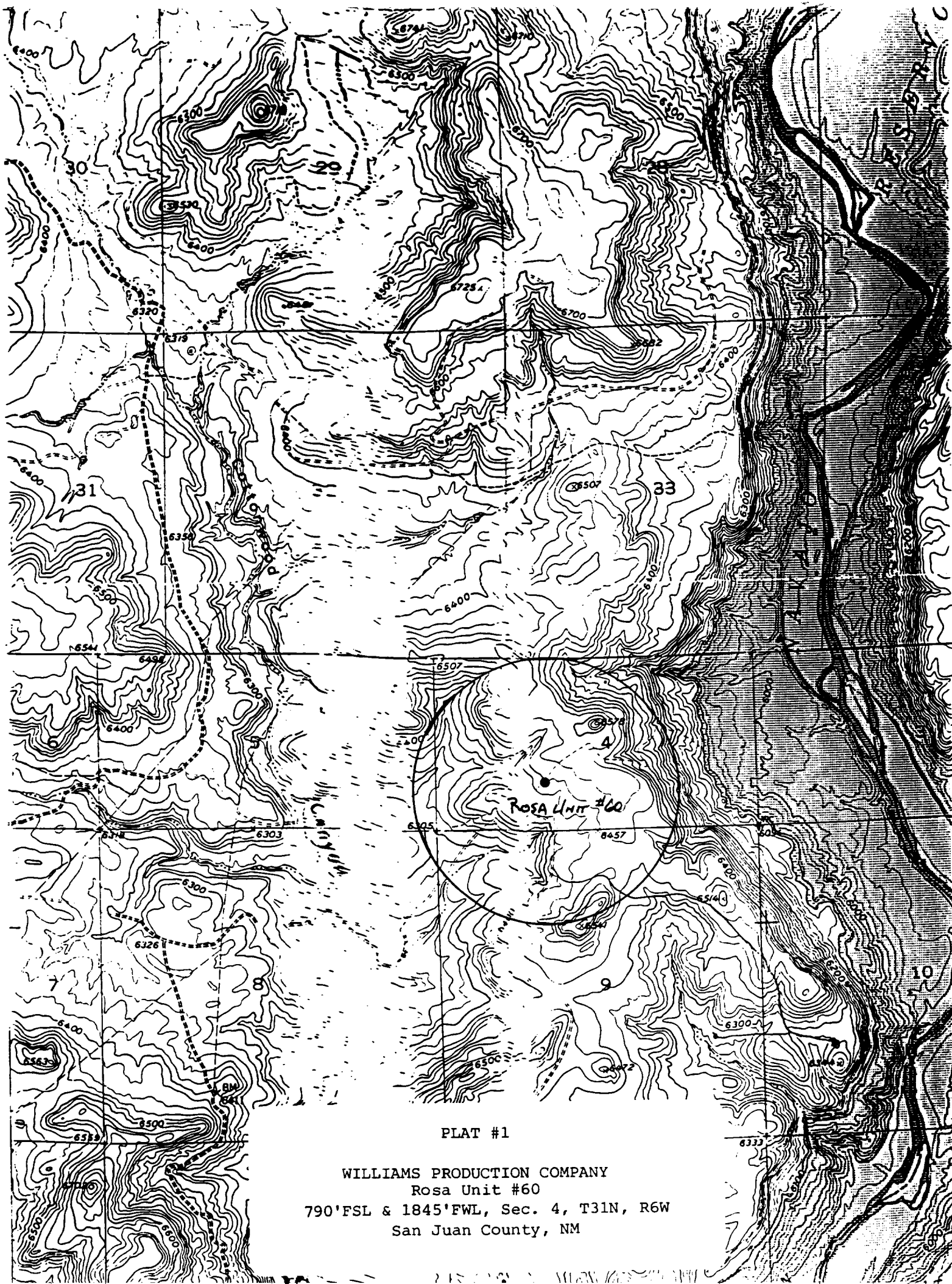
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

APRIL 14, 1998

Date of Survey

Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
6857
6857
Certificate No. 6857



PLAT #1

WILLIAMS PRODUCTION COMPANY
Rosa Unit #60
790'FSL & 1845'FWL, Sec. 4, T31N, R6W
San Juan County, NM

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

30 JAN 25 PM 1:24

5. LEASE DESIGNATION AND SERIAL NO.

SF- 078765

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK **DRILL** ☒ **DEEPEN** ☐

1b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER ☐

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

7. UNIT AGREEMENT NAME

Rosa Unit

17033

8. FARM OR LEASE NAME

30-045-29799

2. NAME OF OPERATOR

Williams Production Company

3. ADDRESS OF OPERATOR

c/o Walsh Engineering 7415 E. Main St., Farmington, NM 87402 (505) 327-4892

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

At Surface 350' FSL and 1920' FEL

At proposed Prod. Zone

9. WELL NO.

60A

10. FIELD AND POOL OR WILDCAT

Blanco Mesa Verde

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

Sec. 4, T31N, R6W

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

28 miles NE of Blanco, NM

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

350'

16. NO. OF ACRES IN LEASE

2460.23

17. NO. OF ACRES ASSIGNED TO THIS WELL

345.77 343.23 ALL

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

1500'

19. PROPOSED DEPTH

6192'

20. ROTARY OR CABLE TOOLS

Rotary

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

6455' GR

22. APPROX. DATE WORK WILL START*

April 1999

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	500'	313 cu.ft. Cl "H" with 2% CaCl ₂
8-3/4"	7"	20#	3730'	889cu.ft.65/35 poz & 205cu.ft.50/50 poz
1/2"	10.5#	3630' - 6192'		112cu.ft.50/50 poz & 336cu.ft.50/50 poz

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

Williams Production Company proposes to drill a vertical well to develop the Mesa Verde formation at the above described location in accordance with the attached drilling and surface use plans.

This location has been archaeologically surveyed by Moore Anthropological Research. 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 be accessed by a new access road which will be 1100' long and 20' wide and crosses the SW/SE of Sec. 4, where it joins an existing road that crosses the NW/NE, NE/NW and NW/NW of Sec. 9, the S/2 N/2 of Sec. 8, NE/NE of Sec. 7, SE/SE of Sec. 6, SW/SW, SE/SW, NE/SW of Sec. 5, all of T31N R6W, SW/SW of Sec. 32, NE/SE and E/2 NE of Sec. 31, SE/SE, NE/SE, SE/NW, and NW/NW of Sec. 30 all of T32N R6W, and NE/NE Sec. 25, T32N, R7W where it joins San Juan County Road #4020.

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

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

24.

SIGNED

Paul C. Thompson

TITLE Paul C. Thompson, Ager

DATE

1/22/99

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

/s/ Joe Hewitt

TITLE

Team Lead, Petroleum Management

MAR 30 1999

*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 NSP

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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99 JAN 25 PM 1:24 AMENDED REPORT

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*Property Code 008480	*Property Name ROSA UNIT		*Well Number 60A
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6455'

10 Surface Location

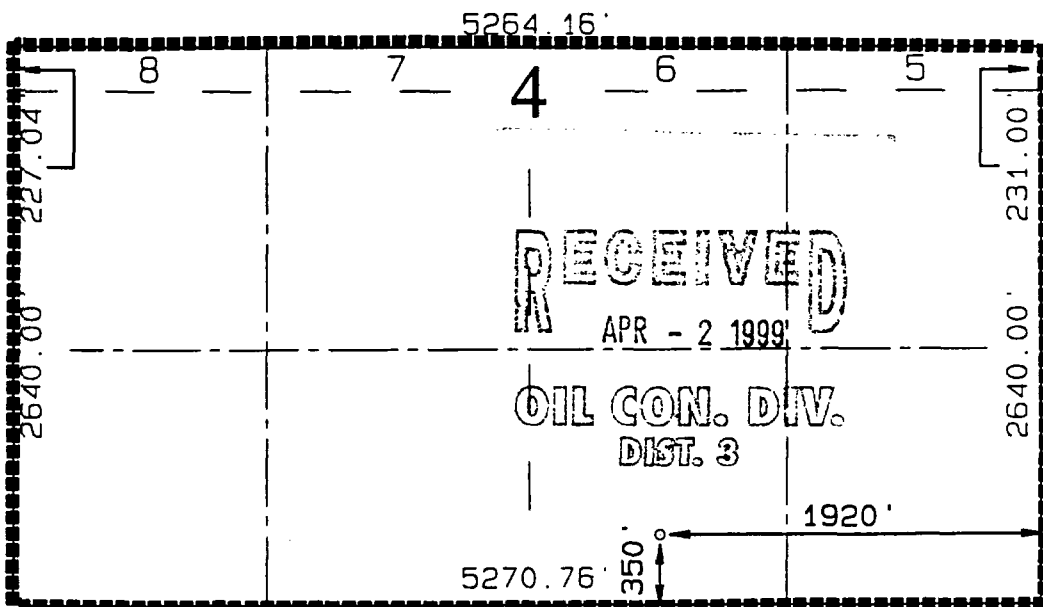
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	4	31N	6W		350	SOUTH	1920	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

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

12 Dedicated Acres 345.77 343.23	13 Joint or Infill	14 Consolidation Code U	15 Order No.
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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
Agent
Title
1/22/99
Date

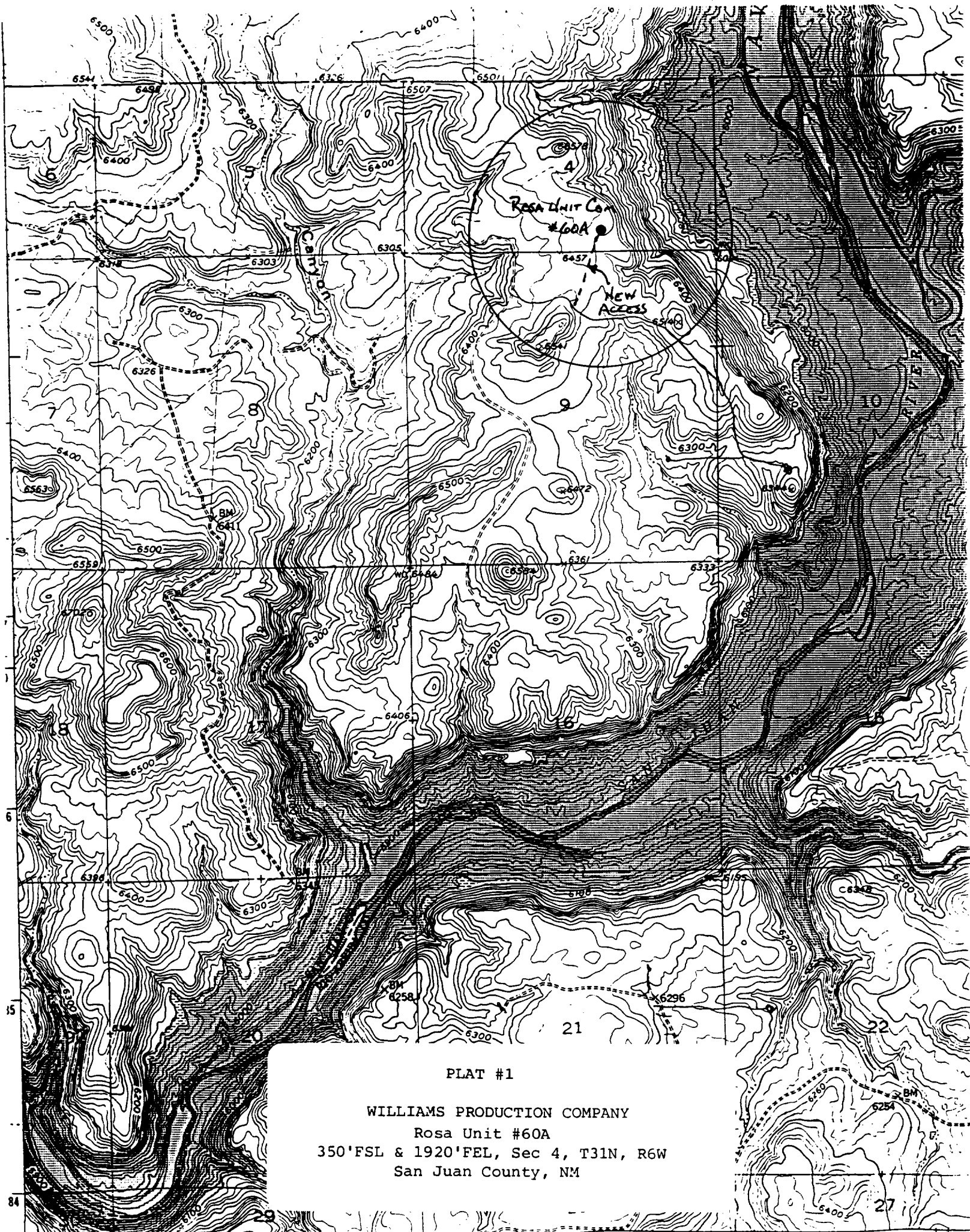
18 SURVEYOR CERTIFICATION

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.

APRIL 13, 1998
Date of Survey

Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
6857
Professional Surveyor
Certificate Number



PLAT #1

WILLIAMS PRODUCTION COMPANY
Rosa Unit #60A
350'FSL & 1920'FEL, Sec 4, T31N, R6W
San Juan County, NM

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

07/22/99 15:16:39
OGOMES -TPX8
PAGE NO: 1

Sec : 04 Twp : 31N Rng : 06W Section Type : NORMAL

8 6.59	7 6.39	6 6.42	5 37 6.23 4.25
Federal owned	Federal owned	Federal owned	Federal owned U U

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

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

07/22/99 15:16:46
OGOMES -TPX8
PAGE NO: 2

Sec : 04 Twp : 31N Rng : 06W Section Type : NORMAL

L 40.00 Federal owned U A	K 40.00 Federal owned U	J 40.00 Federal owned U	9 37 37.60 4.25 Federal owned U U
M 40.00 Federal owned U	N 40.00 Federal owned U A	O 40.00 Federal owned U A	P 40.00 Federal owned U

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06

PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12