

Form 3160-3  
(December 1990)

SUBMIT IN TRIPPLICATE  
(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 <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		3. LEASE DESIGNATION AND SERIAL NO. SF-078764	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR WILLIAMS PRODUCTION COMPANY OGRID 120782		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. c/o Walsh Engr. & Prod. Corp. 7415 E. Main Farmington, N.M. 87402 (505) 327-4892		8. FARM OR LEASE NAME WELL NO. Rosa Unit #159 (008480) 17033	
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		9. API WELL NO. 30-039-25583	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 25 miles NE of Blanco, NM		10. FIELD AND POOL, OR WILDCAT BLANCO MESA VERDE 72319	
10. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 790		11. SEC., T., R., M., OR N.L.K. AND SURVEY OR AREA Sec. 19, T31N, R5W	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1300'		12. COUNTY OR PARISH Rio Arriba	
16. NO. OF ACRES IN LEASE 2507.30		13. STATE NM	
19. PROPOSED DEPTH 6060		17. NO. OF ACRES ASSIGNED TO THIS WELL S/232.43 S/232.43	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6327' GR		20. ROTARY OR CABLE TOOLS Rotary	
22. APPROX. DATE WORK WILL START May 1996		23. PROPOSED CASING AND CEMENTING PROGRAM	

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

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 1/2" 12-174"	10-3/4" H40	32.75	300 250	181 cuft Cl "B" w/3% CaCl2
9 1/8" 8-3/4"	7 5/8" K-55	26.1	3640 1210	856 cuft 65/35 Poz, 188cuft Cl
6-3/4"	5-1/2" N80	17.0	3540-6060 8144	414 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"

This location has been archaeologically surveyed by CRMC. Copies of the 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. 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  
Paul C. Thompson

Paul C. Thompson, Agent

APPROVED  
AS AMENDED  
6/26/96

(This space for Federal or State office use)

JUN 14 1996

APPROVAL DATE

JUN 11 1996

DISTRICT MANAGER

PERMIT NO.

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

OIL CON. DIV.  
DIST. 3 NMCO

R-2046

6-28-61

NSP Basin Dakota

31N 5W

Tract Gr: 323.79 AC

SW $\frac{1}{4}$  Sec 7, W $\frac{1}{2}$  Sec 18, NW $\frac{1}{4}$ , N $\frac{1}{2}$ SW $\frac{1}{4}$  Sec 19

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 30-039-25583	Pool Code 71599	Pool Name Basin Dakota
Property Code 17033	Property Name Rosa Unit	Well Number 159
OGRID No. 120782	Operator Name Williams Production Co.	Elevation 6327'

10 Surface Location

UL or lot no. 0	Section 19	Township 31 N	Range 5 W	Lot Idn	Feet from the 790	North/South line South	Feet from the 1850	East/West line East	County R.A.
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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
Dedicated Acres 232.42	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 PRESIDENT Walsh Engr. & Prod. Corp. Title 2/26/96 Date
2	2645.94'	RECEIVED JUN 14 1996 OIL CON. DIV. DIST. 3	
3	2645.28'	19	5280.00'
4	1198.56'	790'	1850'
		2640.00'	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 Seal of Professional Surveyor NEALE C. EDWARDS 8857 8857 Certificate Number

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1006 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  
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <i>30-039-25583</i>	Pool Code 72319	Pool Name Blanco Mesa Verde
Property Code <i>008480</i> <i>17033</i>	Property Name Rosa Unit	Well Number 159
OGRID No. 120782	Operator Name Williams Production Co.	Elevation 6327'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	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.

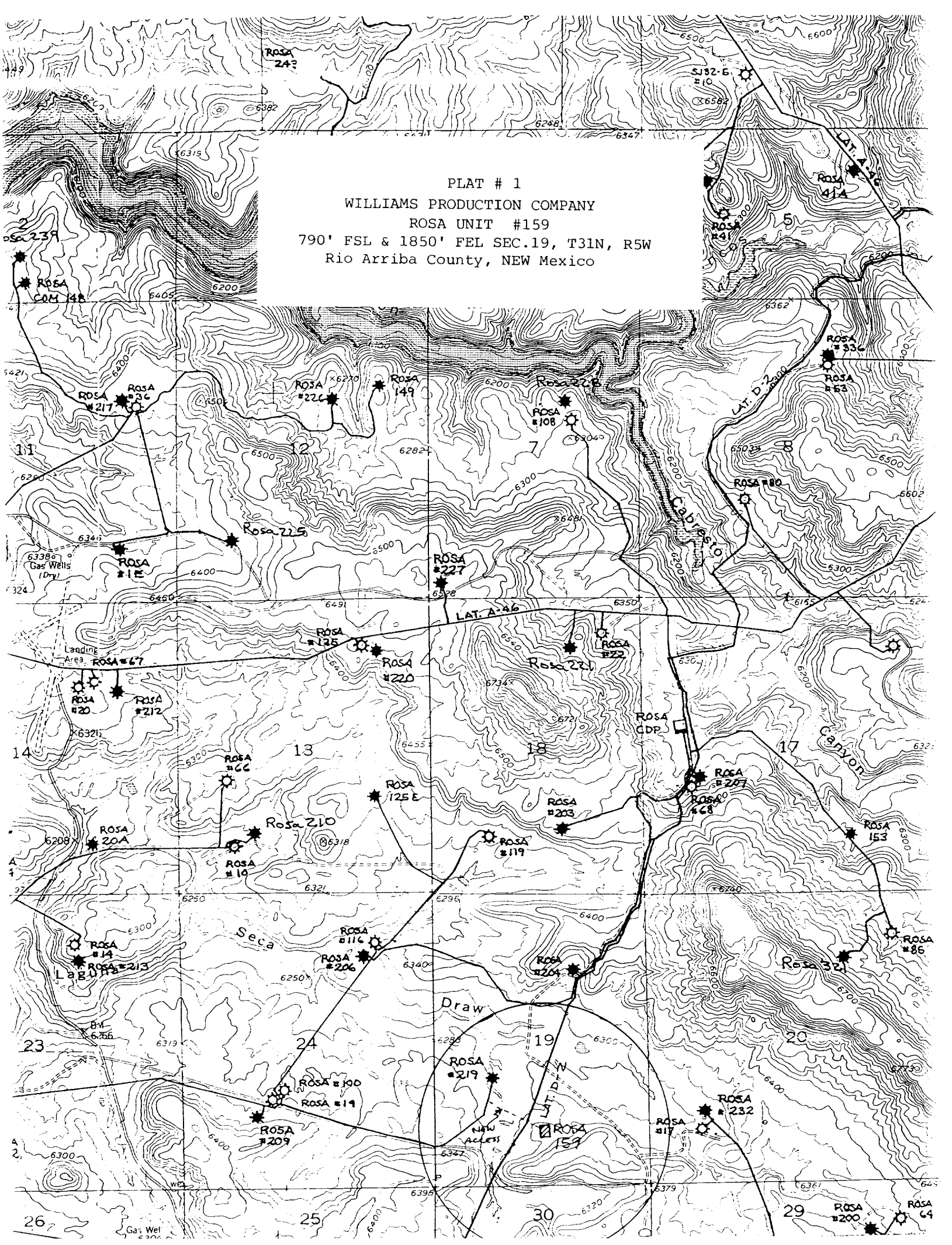
<sup>11</sup> Bottom Hole Location If Different From Surface

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

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
232.48	N	U	

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

<div>16</div>	<div><sup>17</sup> OPERATOR CERTIFICATION</div> <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. &amp; Prod. Corp. Title 2/26/96 Date</p>
	<div><sup>18</sup> SURVEYOR CERTIFICATION</div> <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>11-21-95 Date of Survey <i>HELEN C. EDWARDS</i> Signature and Seal of Professional Surveyor 8857 Certificate Number</p>



PLAT # 1  
WILLIAMS PRODUCTION COMPANY  
ROSA UNIT #159  
790' FSL & 1850' FEL SEC.19, T31N, R5W  
Rio Arriba County, NEW Mexico