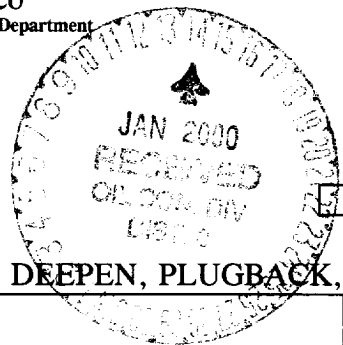


District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505



Form C-101
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies
AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address. Williams Production Company P.O. Box 3102, MS 37-2, Tulsa, OK 74101		² OGRID Number 120782
		³ API Number 30-045-30101
⁴ Property Code 17033	⁵ Property Name Rosa Unit	⁶ Well No. 185

⁷ Surface Location

UL or lot r.o.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	16	31N	6W		1790'	North	1928'	East	San Juan

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot r.o.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<i>IL</i>	16	31N	6W		<i>1610'</i> 1010'	South	<i>1610'</i> 1010'	East	Rio Arriba
⁹ Proposed Pool Blanco - Mesa Verde					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 6330' GR
¹⁶ Multiple No	¹⁷ Proposed Depth 6082' KB	¹⁸ Formation Blanco - MV	¹⁹ Contractor Aztec Well Sevice	²⁰ Spud Date April 1, 2000

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	9-5/8" K-55	36#	500' KB	255 sx (352 cuft)	Surface
8-3/4"	7" K-55	20#	4488' KB	720 sx (1349cuft)	Surface
6-1/4"	4-1/2"	10.5#	4388' - 6082' KB	320 sx (457 cuft)	Top of Liner

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Williams Exploration & Production proposes to drill a directional well with an 12-1/4" hole with water & benex to approx. 500' KB and set 9-5/8" 36# K55 surface casing, cement to surface with 255 sx of Class Type III, 2% CaCl2 (352 cu ft). Then drill 8-3/4" hole to 4488' KB, set 7" K-55 casing. Cement Lead with 520 sx (1088 cu ft) of Premium Lite Poz/Type III, 35/65 with 8% gel, 1% CaCl2; Cement Tail with 220 sx (309 cuft) of class Type III with, 1% CaCl2. Drill 6-1/4" hole to 6082'KB, set 4-1/2" K-55 casing, set production liner, cement Lead with 80 sx of Poz/Class H, 50/50, cement Tail with 240 sx (343 cu ft) of Poz/Class H, 50/50. Run cased hole log (TMDL). While drill pipe in use run not less than one BOP test per day. Set 9-5/8" 36# K-55 production casing from 500'KB to surface, set 7", 20# K-55 casing from 500'KB to 4488'KB, and set 4-1/2" 10.5# K-55 casing from 4388'KB to 6082'KB. Top of cement should circulate to surface (will adjust volumes based upon caliper log). A cement bond log will be run across all intervals to be perforated & find top of cement behind all casing strings. Pressure test 7" & 4-1/2" casing to 3300# for 15 minutes. Run 2-3/8", 2.9#, J-55 EUE tubing with a SN (1.91" ID) on top of bottom joint. Land tubing 25' above bottom Point Lockout perforations. Will test Mesa Verde through perforated casing. Will fracture stimulate and put on for production test. Surface ownership is Federal (BLM). Will negotiate with surface owner for approval to use surface. Formation tops: Ojo Alamo- 2342', Kirtland-2457', Fruitland-2917', Pictured Cliffs 3167', Lewis 3467', Cliff House 5352', Menefee 5402', Point Lookout 5632', Mancos 5932', TD 6082', all KB.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: Steve Nelson

Title: Agent, Nelson Consulting, Inc.

Date: January 7, 2000

Phone: 505-327-6331

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: JAN 14 2000 Expiration Date: JAN 14 2000

Conditions of Approval :
Attached ☐

Well 104 for Directional Survey

District I

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

District II

111 South First, Artesia, NM 88210

District III

1000 Rio Huerfano Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources DepartmentOIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Revised October 18, 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 30-045-30101		* Pool Code 72319	* Pool Name Blanco - MV
* Property Code 17033	* Property Name ROSA UNIT		* Well Number 185
* OCMID No. 120782	* Operator Name WILLIAMS PRODUCTION COMPANY		* Elevation 6330'

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
G	16	31N	6W		1790'	NORTH	1928'	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
I	16	31N	6W		1010'	SOUTH	1010'	EAST	RIO ARriba

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320 S/2	I	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

16	S89°53'E	5277.36'	1790'	5280.00'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
5280.00'	1	Surface	2	3	1928'
Section 16					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.
Tract 40					
N00°01'E	N89°54'E	5280.00'	1010'	N00°02'E	Date of Survey 10/02/00 Signature [Signature] Certificate Number 11393

