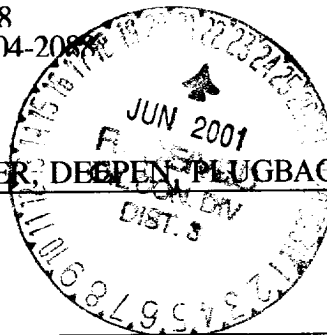


District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-101
Revised February 21, 1994
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State Lease - 6 Copies
Fee Lease - 5 Copies

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



☐ AMENDED REPORT

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

¹ Operator Name and Address. Williams Production Company c/o Walsh Engineering 7415 E. Main Street Farmington, NM 87401		² OGRID Number 120782
⁴ Property Code 17033		³ API Number 30 - 0 4530709
⁵ Property Name Rosa Unit		⁶ Well No. 29B

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	32	32N	6W	nw ne	1300'	North	1960'	East	San Juan

⁸ Proposed 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
⁹ Proposed Pool 1 Blanco Mesaverde					¹⁰ Proposed Pool 2 Basin Dakota				

¹¹ Work Type Code N	¹² Well Type Code M	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 6560'
¹⁶ Multiple Yes	¹⁷ Proposed Depth 8262'	¹⁸ Formation Dakota	¹⁹ Contractor Aztec Well Service	²⁰ Spud Date When Permitted

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
14-3/4"	10-3/4"	32.75 ppf	500'	345 sx	Surface
9-7/8"	7-5/8"	26.4 ppf	3762'	605 sx & 255 sx	Surface
6-3/4"	5-1/2"	17.0 ppf	8262'	310 sx & 100 sx	~3600'

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 proposes to drill a vertical well w/ a 14-3/4" surface hole w/ water & benex to approx. 500' and set 10-3/4", 32.75#, H-40 casing, cement to surface w/ ~ 345 sx (451 cu.ft.) of Type III, w/ 2% CaCl₂ & 1/4# of CF. Will then drill a 9-7/8" hole to approx. 3762' w/ clear water & Benex. and set 7-5/8", 26.4#, K-55 casing, cement w/ 605 sx (1264 cu.ft.) of 65/35 Type III/Poz w/ 8% gel, & 1/4#/sx CF. Tail w/ 255 sx (352 cu.ft.) of Type III w/ 1/4#/sx CF. Cement volumes calculated to circulate cement to surface. Will then drill 6-3/4" hole to TD @ approx 8262' w/ air. Run open hole surveys. Set 5-1/2", 17#, N-80 casing and cement w/ 310 sx (426 cu.ft.) of 50/50 Poz/Class "H" w/ 4% gel, 2% KCl, 0.2% CD-32, 4.0% Phenoseal, 0.6% FL-50 & 1/4#/sx CF. Tail w/ 100 sx (150 cu.ft.) of Class "H" w/ 35% silica flour, 1.5% FL-62, 0.3% CD-32, 0.2% A-2 & 1/4# CF. Cement volume calculated to bring TOC to approx. 3600'. After 10-3/4" surface is set a 2M (double ram) blowout preventer will be installed & pressure tested to 1500 psi. A 2" kill line & 2" line to a choke manifold will also be installed.

Will test the Dakota & Mesaverde through perforated casing. Will fracture stimulate both Dakota & Mesaverde, the DK/MV zones will be isolated w/ a RBP as well as the PLO & Menefee/CH zones. If productive, the Dakota will be produced thru 2-1/16" tbg w/ a production packer isolating the Dakota from the Mesaverde. The Mesaverde, if productive, will be produced thru 2-3/8" tbg.

Geologic Tops: Ojo Alamo - 2457', Kirtland - 2587', Fruitland - 3042', Pictured Cliffs - 3287', Lewis - 3592', Cliff House 5192', Menefee - 5557', Point Lookout - 5777', Mancos 6087', Gallup 7122', Greenhorn - 7842', Graneros - 7892', Dakota - 8012'

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

Signature:

Printed name:
John C. Thompson

Title:
Agent / Engineer

Date:
6/22/01

Phone:
505-327-4892

OIL CONSERVATION DIVISION

Approved by:

Title:
DEPUTY OIL & GAS INSPECTOR, DIST. #8

Approval Date:
JUN 22 2001

Expiration Date:
JUN 22 2002

Conditions of Approval :
Attached ☐

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-30709		*Pool Code 72319 / 71599	*Pool Name Blanco Mesaverde / Basin Dakota
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 298
*OGRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6560

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
B	32	32N	6W		1300	NORTH	1960	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 320 E/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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><p>¹⁶</p><p>32</p><p>29</p></div>	<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> Signature John C. Thompson Printed Name Agent Title 6/22/01 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>MARCH 21, 2001 Date of Survey Signature and Seal of Professional Surveyor Certificate Number 6857</p>

WILLIAMS PRODUCTION COMPANY ROSA UNIT #29B
1300' FNL & 1960' FEL, SECTION 32, T32N, R6W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

