

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-101
Revised February 21, 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, LLC c/o Walsh Engineering 7415 E. Main Street Farmington, NM 87401		² OGRID Number 120782
⁴ Property Code 17033	⁵ Property Name Rosa Unit	³ APT Number 30-039-272-92
		⁶ Well No. 334A

⁷ Surface Location									
UL or lot no. J	Section 32	Township 31N	Range 5W	Lot Idn nw se	Feet from the 2510'	North/South line South	Feet from the 1925'	East/West line East	County 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 Basin Fruitland Coal					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 6536'
¹⁶ Multiple No	¹⁷ Proposed Depth 3476'	¹⁸ Formation Fruitland	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
12-1/4"	9-5/8"	36 ppf	~300'	155 sx	Surface
8-3/4"	7"	20 ppf	~3236'	365 sx & 150 sx	Surface
6-1/4"	5-1/2"	15.5 ppf	~3136' - 3376'	Open hole completion	No cement

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 12-1/4" surface hole w/ water & benex to approx. 300' and set 9-5/8", 36#, K-55 casing, cement to surface w/ ~155 sx (212 cu.ft.) of Type III, w/ 2% CaCl₂ & 1/4# of CF. Will then drill a 8-3/4" hole to approx. 3236' w/ clear water & Benex. and set 7", 20#, K-55 casing, cement w/ 365 sx (764 cu.ft.) of Type III 65/35 w/ 8% gel, 1% CaCl₂ & 1/4#sx CF. Tail w/ 150 sx (209 cu.ft.) of Type III w/ 1% CaCl₂ 1/4#sx CF. Cement volumes calculated to circulate cement to surface. 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.

A completion rig will then drill 6-1/4" hole to TD @ approx 3476' w/ air/mist. The well will then be open hole completed. A 5-1/2", 17#, N-80 liner will be ran over the open hole w/ 100' overlap into the intermediate casing. No cement. Will test the Basin Fruitland through perforated casing. If productive, the Fruitland will be produced thru 2-3/8" tbg.

Geologic Tops: Nacimiento - 1491', Ojo Alamo - 2666', Kirtland - 2791', Fruitland - 3136', Pictured Cliffs - 3376'

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:

4/11/02

Phone:

505-327-4892

OIL CONSERVATION DIVISION

Approved by:

Title:

DEPUTY OIL & GAS INSPECTOR, DIST. #1

Approval Date:

MAY 18 2003

Expiration Date:

MAY 18 2004

Conditions of Approval:

Attached ☐

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-27292		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 334A
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6536'

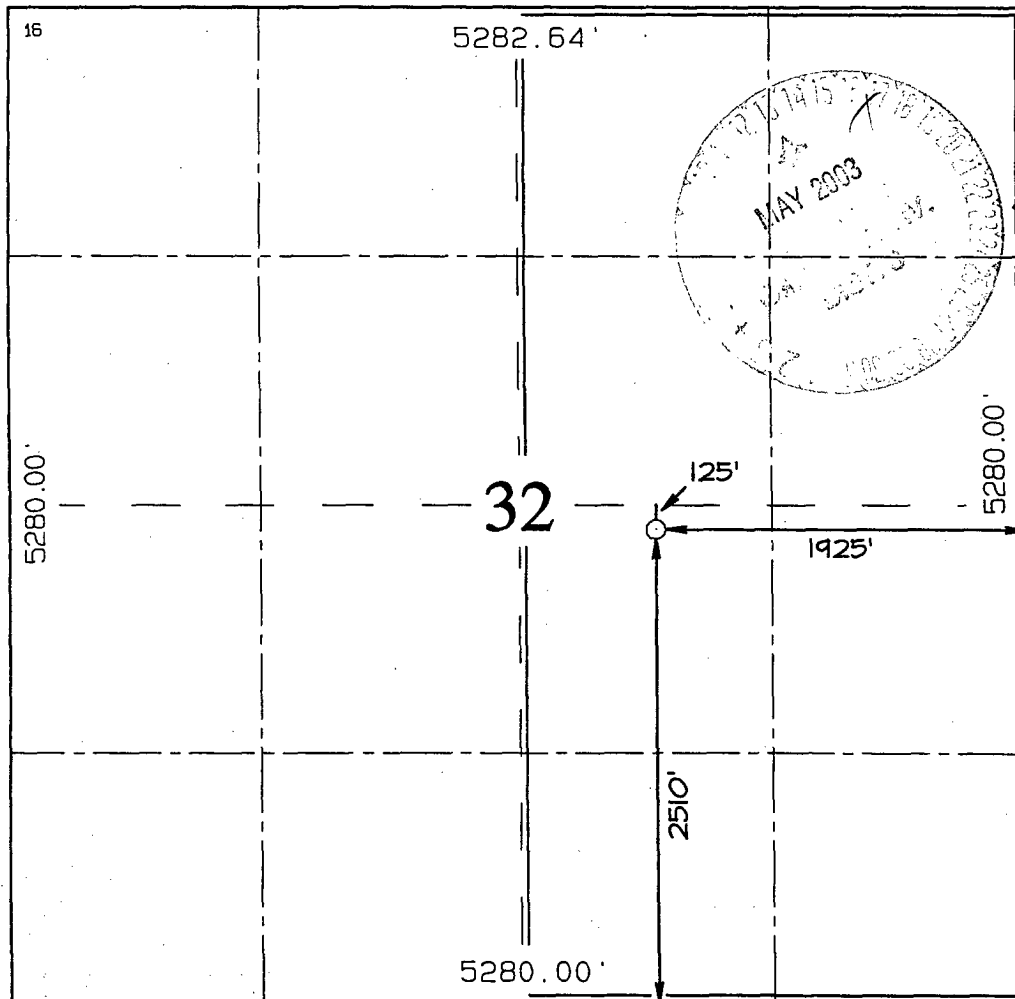
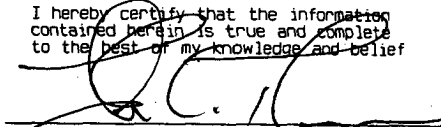

¹⁰ Surface Location

UL or lot no. J	Section 32	Township 31N	Range 5W	Lot Idn	Feet from the 2510	North/South line SOUTH	Feet from the 1925	East/West line EAST	County RIO ARriba
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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 320.0 Acres - (E/2)					¹³ Joint or Infill	¹⁴ Consolidation Code	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

<div><p>¹⁶</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/Engineer Title 5/12/03 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>Date of Survey: MARCH 24, 2003</p> <p>Signature and Seal of Professional Surveyor</p> <div> JASON C. EDWARDS Certificate Number 15269</div>