

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 P.O. Box 316 Ignacio, Colorado 81137		² OGRID Number 120782
⁴ Property Code 17033	⁵ Property Name Rosa Unit	³ API Number 30 - 0 45-31762
		⁶ Well No. 339A

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
I	32	34N	6W	ne se	1365'	South	1050'	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 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 6368'
¹⁶ Multiple No	¹⁷ Proposed Depth 3120'	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'	160 sx	Surface
8-3/4"	7"	20 ppf	~2985'	330 sx & 150 sx	Surface
6-1/4"	5-1/2"	15.5 ppf	~2985' - 3120'	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/ ~ 160 sx (211 cu.ft.) of Type III, w/ 2% CaCl₂ & 1/4# of CF. Will then drill a 8-3/4" hole to approx. 2985' w/ clear water & Benex. and at 7", 20#, K-55 casing, cement w/ 330 sx (688 cu.ft.) of Type III 65/35 w/ 8% gel, 1% CaCl₂ & 1/4# CF. Tail w/ 150 sx (209 cu.ft.) of Type III w/ 1% CaCl₂ 1/4#/x CF. Cement volumes calculated to circulate cement to surface. After 9-5/8" 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", 15.5#, K-55 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: Ojo Alamo - 2285', Kirtland - 2415', Fruitland - 2925', Pictured Cliffs - 3120'

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

Signature:

Printed name:

Larry Higgins

Title:

DRLG COM

Date:

7-18-03

Phone:

(970) 563-3308

OIL CONSERVATION DIVISION

Approved by:

Title:

DEPUTY OIL & GAS INSPECTOR, DIST. 3

Approval Date:

JUL - 2 2003

Expiration Date:

JUL - 2 2004

Conditions of Approval:

Attached ☐

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-31762	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code 17033	⁵ Property Name ROSA UNIT	⁶ Well Number 339A
⁷ GRID No. 120782	⁸ Operator Name WILLIAMS PRODUCTION COMPANY	⁹ Elevation 6368'

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
I	32	32N	6W		1365	SOUTH	1050	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 320.0 Acres - (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

¹⁶ 2630.76' 2653.86' 2608.32' 2613.60'	<div>32</div>	<div><div>2623.50'</div><div>2620.20'</div><div>1050'</div><div>1365'</div><div>2628.78'</div></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><i>Larry Higgins</i> Signature LARRY HIGGINS Printed Name DRLE COM Title 7-1-03 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 14, 2003</p> <p>Signature and Seal of Professional Surveyor</p> <div><div>JASON C. EDWARDS NEW MEXICO 15269 REGISTERED PROFESSIONAL SURVEYOR</div><p>JASON C. EDWARDS Certificate Number 15269</p></div>
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