

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

<sup>1</sup> Operator Name and Address. <b>Williams Production Company, LLC c/o Walsh Engineering</b> <b>7415 E. Main Street</b> <b>Farmington, NM 87401</b>		<sup>2</sup> OGRID Number 120782
<sup>4</sup> Property Code 17033		<sup>3</sup> API Number 30-0 <b>39-27440</b>
<sup>5</sup> Property Name <b>Rosa Unit</b>		<sup>6</sup> Well No. <b>342A</b>

<sup>7</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	21	31N	6W	senw	1650'	North	1730'	West	Rio Arriba

<sup>8</sup> 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
C	21	31N	6W	nenw	660'	North	1650'	West	Rio Arriba

<sup>9</sup> Proposed Pool 1

**Basin Fruitland Coal**

<sup>10</sup> Proposed Pool 2

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 6536'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 3401' (MD)	<sup>18</sup> Formation Fruitland	<sup>19</sup> Contractor Aztec Well Service	<sup>20</sup> Spud Date When Permitted

<sup>21</sup> 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	~3242'	370 sx & 150 sx	Surface
6-1/4"	5-1/2"	15.5 ppf	~3142' - 3401'	Open hole completion	No cement

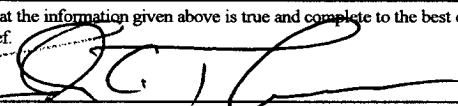
<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Williams proposes to drill a directional 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% CaCl<sub>2</sub> & 1/4# CF. Will then drill a 8-3/4" hole to approx. 3242' (MD) w/ clear water & Benex. and set 7", 20#, K-55 casing, cement w/ 370 sx (766 cu.ft.) of Type III 65/35 w/ 8% gel, 1% CaCl<sub>2</sub> & 1/4# CF. Tail w/ 150 sx (209 cu.ft.) of Type III w/ 1% CaCl<sub>2</sub> & 1/4# 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. (Directional drilling plans available upon request).

A completion rig will then drill 6-1/4" hole to TD @ approx 3401' (MD) 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 (TVD): Nacimiento - 1145', Ojo Alamo - 2335', Kirtland - 2460', Fruitland - 2895', Pictured Cliffs - 3160'

<sup>23</sup> 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. #2**

Approval Date:

**JUN - 2 2003**

Expiration Date:

**JUN - 2 2004**

Conditions of Approval:

Attached ☐

HOLD C104 FOR Directional Survey

District I  
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 342A
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6330'

<sup>10</sup> Surface Location

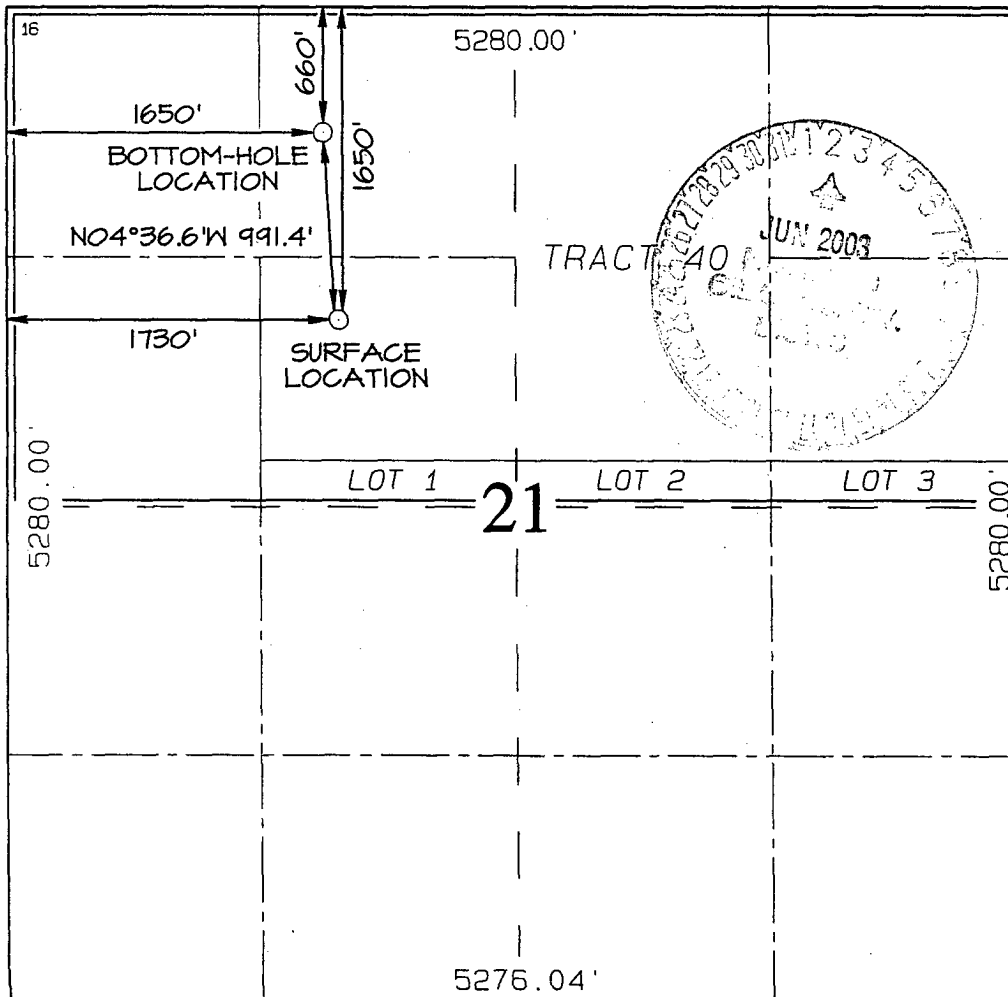
UL or lot no. F	Section 21	Township 31N	Range 6W	Lot Idn	Feet from the 1650	North/South line NORTH	Feet from the 1730	East/West line WEST	County RIO ARriba
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. C	Section 21	Township 31N	Range 6W	Lot Idn	Feet from the 660	North/South line NORTH	Feet from the 1650	East/West line WEST	County RIO ARriba
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<sup>12</sup> Dedicated Acres 320.09 Acres - (N/2)	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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



<sup>17</sup> OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature

John C. Thompson

Printed Name

Agent/Engineer

Title

5/19/03

Date

<sup>18</sup> 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.

Survey Date: JANUARY 27, 2003

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269