

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-10
Revised February 21, 199
Instructions on bac
Submit to Appropriate District Office
State Lease - 6 Copie
Fee Lease - 5 Copie

☐ 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 API Number 30 - 0 4530874 ⁶ Well No. 150B

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
D	32	32N	6W		1120'	North	880'	West	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 6309'
¹⁶ Multiple Yes	¹⁷ Proposed Depth 8032'	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	250'	225 sx	Surface
9-7/8"	7-5/8"	26.4 ppf	3532'	560 sx & 255 sx	Surface
6-3/4"	5-1/2"	17.0 ppf	8032'	50 sx & 290 sx	3331'

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. 250' and set 10-3/4", 32.75#, H-40 casing, cement to surface w/ 225 sx (313 cu.ft.) of Type III, w/ 2% CaCl2 & 1/4# of CF. Will then drill a 9-7/8" hole to approx. 3532' w/ clear water & Benex. and set 7-5/8", 26.4#, K-55 casing, cement w/ 560 sx (1,170 cu.ft.) of Premium Lite 65/35 Type III/Poz w/ 8% gel, & 1/4#/sx CF. Tail w/ 255 sx (354 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 8032' w/ air. Run open hole surveys. Set 5-1/2", 17#, N-80 casing and cement w/ 50 sx of Premium Light HS, 1% FL52, 0.2% CD32 & 0.1% R3 and 290 sx (577 cu.ft.) of Premium Light HS, 1% FL52, 0.2% CD32, 1/4#/sx CF, 4% Phenoseal & 0.1% R3. Cement volume calculated to bring TOC to approx. 3331' (150' inside int. casing). 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 - 2227', Kirtland - 2357', Fruitland - 2812', Pictured Cliffs - 3057', Lewis - 3362', Cliff House - 5282', Menefee - 5327', Point Lookout - 5547', Mancos - 5857', Gallup - 6892', Greenhorn - 7612', Graneros - 7662', Dakota - 7782'

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

Signature: *Paul C. Thompson*
Printed name: Paul C. Thompson
Title: Agent / Engineer
Date: 10/11/01
Phone: 505-327-4892

OIL CONSERVATION DIVISION	
Approved by: <i>[Signature]</i>	
Title: DEPUTY OIL & GAS INSPECTOR, DIST. 3	
Approval Date: OCT 16 2001	Expiration Date: OCT 16 2002
Conditions of Approval : Attached <input type="checkbox"/>	

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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PO Drawer DD, Artesia, NM 88211-0719

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-30874		*Pool Code 72319 / 71599		*Pool Name Blanco Mesaverde / Basin Dakota	
*Property Code 17033		*Property Name ROSA UNIT			*Well Number 150B
*OGRID No. 120782		*Operator Name WILLIAMS PRODUCTION COMPANY			*Elevation 6309'

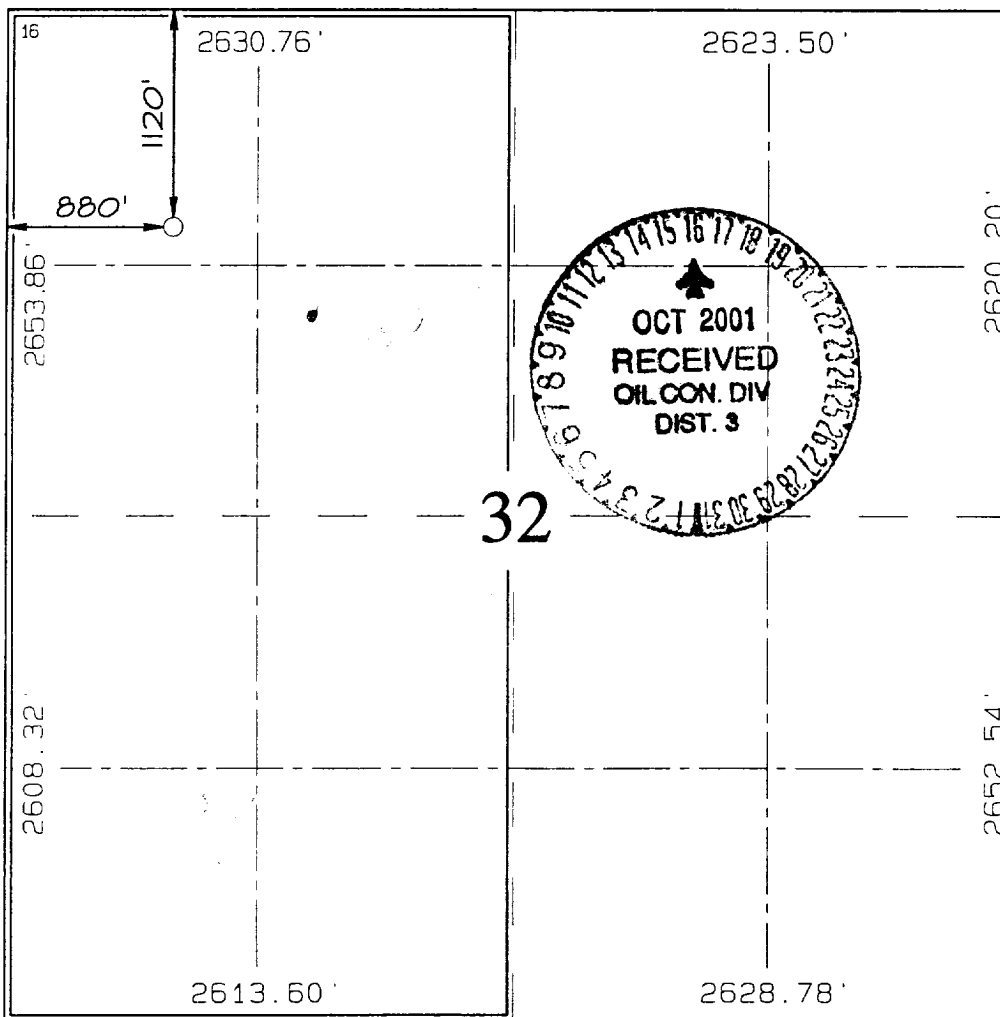
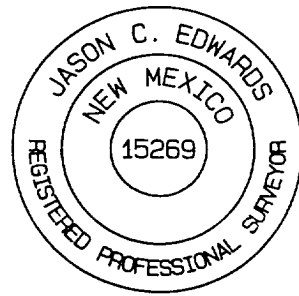
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	32	32N	6W		1120	NORTH	880	WEST	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 Acres (W/2)					¹³ Joint or Infill Y		¹⁴ Consolidation Code U		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

	<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>Paul C. Thompson</i> Signature Paul C. Thompson Printed Name Agent Title 10/16/01 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>Survey Date: SEPTEMBER 25, 2001</p> <p>Signature and Seal of Professional Surveyor</p> <div data-bbox="1166 1633 1464 1927"></div> <p><i>Jason C. Edwards</i> Certificate Number 15269</p>