

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
³ Property Code 17033		⁴ Property Name Rosa Unit
⁵ API Number 30-039-26788		⁶ Well No. 26B

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
G	32	31N	5W	sw ne	1380'	North	2450'	East	Rio Arriba

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 6540'
¹⁶ Multiple Yes	¹⁷ Proposed Depth 8252'	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	3682'	620 sx & 265 sx	Surface
6-3/4"	5-1/2"	17.0 ppf	8252'	300 sx & 100 sx	~3500'

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. 3862' w/ clear water & Benex. and set 7-5/8", 26.4#, K-55 casing, cement w/ 620 sx (1290 cu.ft.) of 65/35 Type III/Poz w/ 8% gel, & 1/4#/sx CF. Tail w/ 265 sx (369 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 8252' w/ air. Run open hole surveys. Set 5-1/2", 17#, N-80 casing and cement w/ 300 sx (414 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. 3500'. 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 - 2652', Kirtland - 2878', Fruitland - 3102', Pictured Cliffs - 3387', Lewis - 3667', Cliff House 5242', Menefee - 5607', Point Lookout - 5817', Mancos 6147', Gallup 7127', Greenhorn - 7837', Graneros - 7892', Dakota - 8002'

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

Signature: *[Signature]*

Printed name:
John C. Thompson

Title:
Agent / Engineer

Date: 7/10/01
Phone: 505-327-4892

OIL CONSERVATION DIVISION

Approved by:

Title:
DEPUTY OIL & GAS INSPECTOR, DIST. 3

Approval Date:

AUG - 1 2001

Expiration Date:

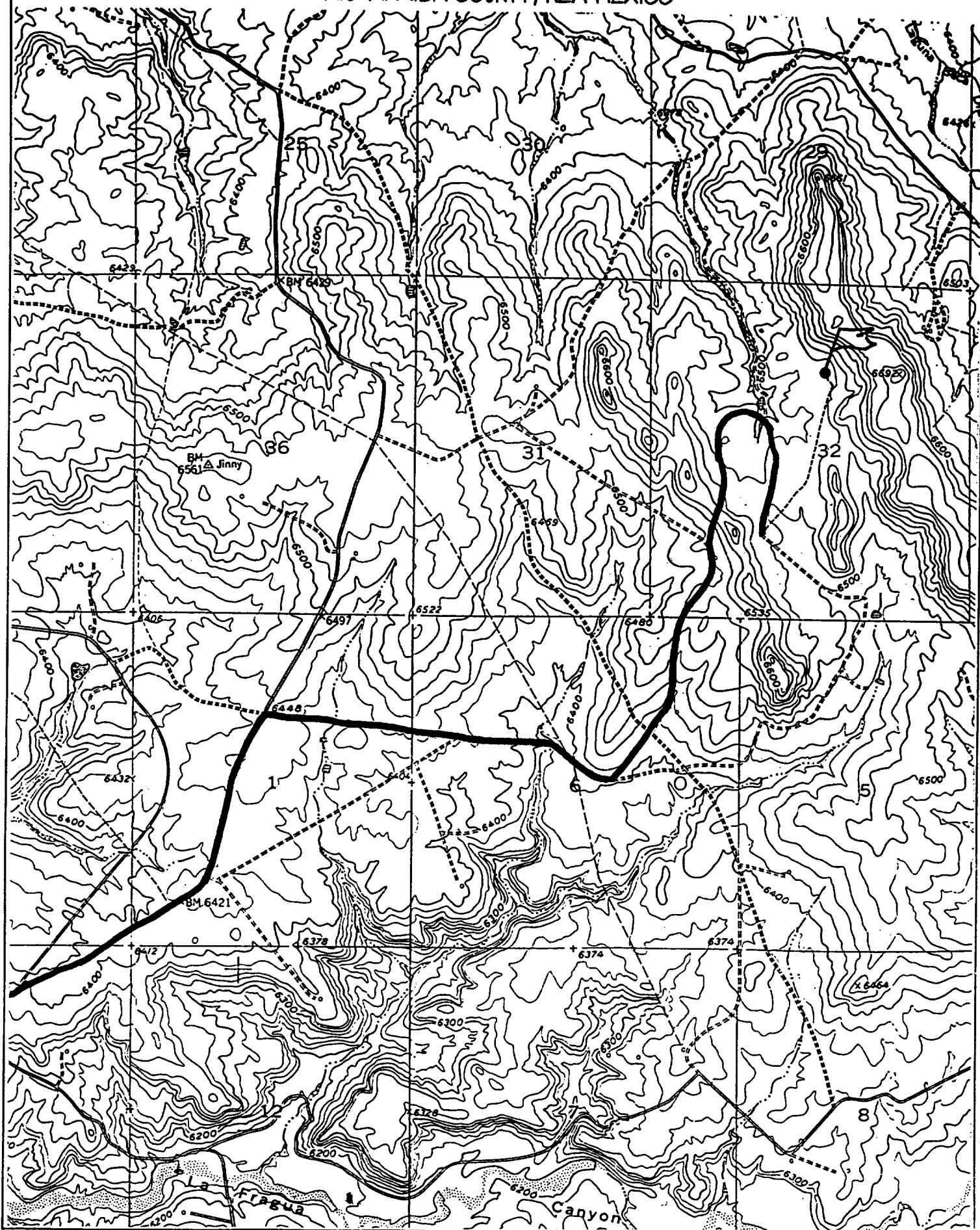
AUG - 1 2002

Conditions of Approval:

Attached ☐ need NSL - Basin Dakota

HOLD C104 FOR NSL in Basin Dakota

WILLIAMS PRODUCTION COMPANY ROFA UNIT #26B
1380' FNL & 2450' FEL, SECTION 32, T31N, 15W, N.M.P.M.
RIO ARriba COUNTY, NEW MEXICO



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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-26788		*Pool Code 72319 / 71599		*Pool Name Blanco Mesaverde / Basin Dakota	
*Property Code 17033		*Property Name ROSA UNIT			*Well Number 268
*GRID No. 120782		*Operator Name WILLIAMS PRODUCTION COMPANY			*Elevation 6540'


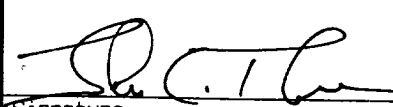
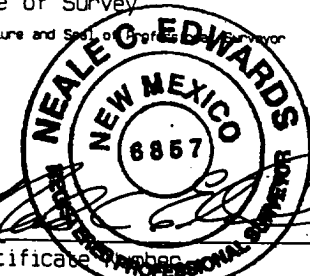
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
6	32	31N	5W		1380	NORTH	2450	EAST	RIO ARriba

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 E/2 320		¹³ Joint or Infill I		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

 5280.00' 32 5280.00'	5282.6'	1380'	2450'	5280.00'
	¹⁷ 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 Title 7/31/01 Date			
¹⁸ 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. REVISED: JULY 10, 2001 JANUARY 24, 2001 Date of Survey Signature and Seal of  Certificate Number 6857				