

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

Form C-101

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

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Fee Lease - 5 Copies

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK, OR ADD A ZONE

¹ Operator Name and Address. Williams Production Company, LLC P.O. Box 316 Ignacio, Colorado 81137		² OGRID Number 120 782
⁴ Property Code 33184		³ API Number 30-045-32024
⁵ Property Name NM 32-11		⁶ Well No. 1B

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
J	20	32N	11W		1820'	South	2380'	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 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 P	¹⁵ Ground Level Elevation 6628'
¹⁶ Multiple Yes	¹⁷ Proposed Depth 8010'	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	~300'	255 sx	Surface
9-7/8"	7-5/8"	26.4 ppf	~3400'	565 sx & 100 sx	Surface
6-3/4"	5-1/2"	17.0 ppf	~8010'	270 sx	~3300'

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. 300' and set 10-3/4", 32.75#, H-40 casing, cement to surface w/ ~ 255 sx (356 cu.ft.) of Type III, w/ 2% CaCl₂ & 1/4# of CF. Will then drill a 9-7/8" hole to approx. 3400' w/ clear water & Benex. and at 7-5/8", 26.4#, K-55 casing, cement w/ 565 sx (1183 cu.ft.) of "Premium lite" 65/35 Type III/Poz w/ 8% gel, & 1/4# of CF. Tail w/ 100 sx (139 cu.ft.) of Type III w/ 1/4# of CF. Cement volumes calculated to circulate cement to surface. Will then drill 6-3/4" hole to TD @ approx 8010' w/ air. Run open hole surveys. Set 5-1/2", 17#, N-80 casing and cement w/ 270 sx (560 cu.ft.) of "Premium lite" HS, 1% FL-52, 0.3% CD-32, 2% KCl, 0.25#/sk CF, 5% Phenoseal & 0.2% R3. Cement volume calculated to bring TOC to approx. 3300' (100' inside int. csg.). 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 2-1/16" tbg.

Geologic Tops: Ojo Alamo - 1460', Kirtland - 1530', Fruitland - 2845', Pictured Cliffs - 3300', Lewis - 3460', Cliff House 5055', Menefee - 5205', Point Lookout - 5570', Mancos - 5955', Gallup - 6935', Greenhorn - 7630', Graneros - 7695', Dakota 7760'.

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:

Drilling COM

Date:

12-3-03

Phone:

(970) 563-3308

OIL CONSERVATION DIVISION

Approved by:

Title:

DEPUTY OIL & GAS INSPECTOR, DIST. 08

Approval Date:

DEC - 3 2003

Expiration Date:

DEC - 3 2004

Conditions of Approval:

Attached ☐

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Revised February 21, 1994
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Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30045-32024		*Pool Code 72319 / 71599	*Pool Name Blanco Mesaverde / Basin Dakota
*Property Code 33184	*Property Name NM 32-11		*Well Number 1B
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6628'

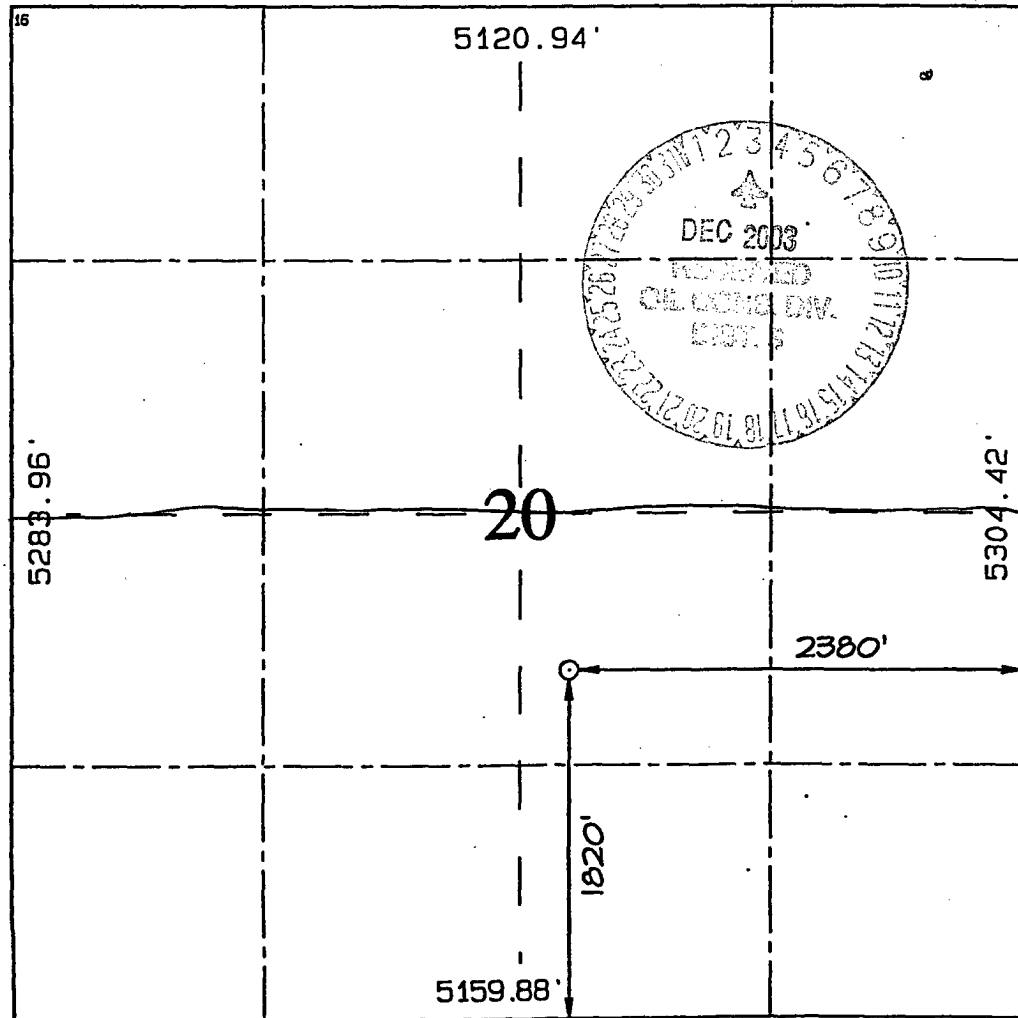

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	20	32N	11W		1820	SOUTH	2380	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
*Dedicated Acres 5 1/2 MV		*Joint or Infill		*Consolidation Code		*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>Larry Higgins</i> Signature LARRY HIGGINS Printed Name DRILL COM Title 12-3-03 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>FEBRUARY 6, 2001 Date of Survey <i>Neale C. Edwards</i> Signature and Seal of Professional Surveyor  Certificate No. 6857</p>