

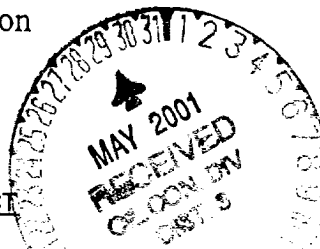
District I - (505) 393-6161  
1625 N. French Dr  
Hobbs, NM 88240  
District II - (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV - (505) 827-7131  
2040 S. Pacheco  
Santa Fe, NM 87505

New Mexico  
Energy Minerals and Natural Resources Department  
Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

Form C-140  
Revised 06/99

SUBMIT ORIGINAL  
PLUS 2 COPIES  
TO APPROPRIATE  
DISTRICT OFFICE

APPLICATION FOR  
WELL WORKOVER PROJECT



I. Operator and Well

Operator name & address Williams Production Company LLC P.O. Box 3102 Tulsa, OK 74101						OGRID Number 120782		
Contact Party Kris Russell						Phone 918/573-6181		
Property Name Rosa Unit				Well Number 259		API Number 30-039-24612		
UL N	Section 33	Township 31N	Range 5W	Feet From The 1300'	North/South Line S	Feet From The 905'	East/West Line W	County Rio Arriba

II. Workover

Date Workover Commenced: 7/30/00	Previous Producing Pool(s) (Prior to Workover):
Date Workover Completed: 8/29/00	

III. Attach a description of the Workover Procedures performed to increase production.

IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.

V. AFFIDAVIT:

State of Oklahoma )  
County of Tulsa ) ss.  
Kristine Russell, being first duly sworn, upon oath states:

- I am the Operator, or authorized representative of the Operator, of the above-referenced Well.
- I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
- To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.

Signature Kristine Russell Title Sr. Production Analyst Date 5/24/01  
SUBSCRIBED AND SWORN TO before me this 24 day of May, 2001.

Shirley A. Davis  
Notary Public

My Commission expires: 10-10-01

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on 8-29, 2000.

Signature District Supervisor <u>Charlie T. Lerra</u>	OCD District <u>3</u>	Date <u>06-29-2001</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: \_\_\_\_\_

In Lieu of  
Form 3160  
(June 1990)

UNITED STATES  
DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION TO DRILL" for permit for such proposals

5. Lease Designation and Serial No.  
SF-078773

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation  
ROSA UNIT

8. Well Name and No.  
ROSA UNIT #259 81191

9. API Well No.  
30-039-24612

10. Field and Pool, or Exploratory Area  
BASIN FRUITLAND COAL

11. County or Parish, State  
RIO ARRIBA, NM

SUBMIT IN TRIPLICATE

1. Type of Well  
Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator  
WILLIAMS PRODUCTION COMPANY

3. Address and Telephone No.  
PO BOX 3102 MS 37-2, TULSA, OK 74101 (918) 573-6254

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1300' FSL and 905' FWL SE/4 SW/4 SEC 33-31N-05W

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent  
☒ Subsequent Report  
Final Abandonment

TYPE OF ACTION

Abandonment  
Recompletion  
Plugging Back  
Casing Repair  
Altering Casing  
Other Cavitation Complete  
Change of Plans  
New Construction  
Non-Routine Fracturing  
Water Shut-Off  
Conversion to Injection  
Dispose Water  
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

07-30-2000 MIRU, LD 2 3/8" tubing, RU Blue Jet, wait on connection for CIBP, set CIBP @ 2537', RD loggers, PU whipstock, subs and DC's, PU & TIH w/ 2 7/8" AOH DP

07-31-2000 Orient whipstock, RD Gyrodata, mill window, COOH, TIH w/ bottom mill and watermelon mill, open window, COOH, TIH w/ 6 1/4" bit, drill below window from 2331'-2361'

08-01-2000 Drill from 2561'-2570', circulate, survey w/ Gyrodata-4 degrees, 56 degrees azimuth, COOH, LD bottom jt DP, PU near bit stabilizer and string stabilizer 1 DC up, TIH, drill from 2570'-2681', COOH, LD string stabilizer, TIH, drill 2681'-2717'  
Surveys—2620'—5 degrees, 2650'—5 degrees, 2681'—5.5 degrees, 2712'—6.5 degrees

08-02-2000 Drill and survey from 2717' to 2882', COOH, remove near bit stabilizer, run string stabilizer 60' up, TIH, drill and survey from 2882'-2940'. Surveys: 2740'—5 3/4 deg, 2771'—6 deg, 2803'—6 1/2 deg, 2839'—7 deg, 2933'—7 1/2 deg

Continued on back

14. I hereby certify that the foregoing is true and correct

Signed TRACY ROSS

Title Production Analyst Date October 2, 2000

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_ **ACCEPTED FOR RECORD**

Conditions of approval, if any:

OCT 04 2000

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

08-03-2000 Drill and survey 2940'-3005', circulate and COOH, TIH w/ HTC GT-1 mill tooth bit, wash and ream 2730'-3005', drill and survey 3005'-3090'. Surveys: 2961'-6.75 degree, 2993'-6.75 degree, 3090'-6 degrees

08-04-2000 Drill and survey 3090'-3240'. Circulate, survey, COOH, LD DC's, PU and run 17 jts 5 1/2" casing. TIH, wash and try to work pipe down hole, pumping liner up hole. COOH to liner hanger, check, remove some cuttings. TIH, start washing 60' below window, made 20'. COOH to run JGS liner hanger. Surveys: 3090'—6 deg, 3220'—5 deg

08-05-2000 TIH w/ JGS rotating liner hanger, tag @ 2588', wash and rotate liner to bottom, Hang liner, release setting tool, ran 17 jts 5 1/2" (780.10') 17# N-80 8rd w/ LA set shoe on bottom and latch in collar @ 730.52', liner set @ 3221', top of liner @ 2436' with 91.55' overlap, strap out of hole, TIH w/ cement retainer, set @ 3158', Cement w/ BJ, pumped 55 sx (65 cu ft) type III w/ 1% Ca Cl<sub>2</sub> sting out of retainer, pick up 20', circulate well bore volume, recovered 20 bbl gel water from top of liner and 2 bbl cement off top of cement retainer, COOH, LD retainer setting tool, WOC

08-06-2000 WOC, load hole, pressure test to 800 psi at surface, equivalent to 1800 psi at liner top, pressure down to 660 psi in 5 minutes, unload hole, drill cement, cement retainer, cement and guide shoe @ 3222', Drill Fruitland Coal from 3222'-3366', 38' net coal, COOH, TIH w/ underreamer, underream from 3232' to 3260'

08-07-2000 Underream to 3366', LD 5 jts DP, work pipe, could not work underreamer into 5 1/2" liner, wait on wireline truck

08-08-2000 TIH w/ sinker bars, tag fill on top of float. Work underreamer into 5 1/2" liner, pull up w/ 1000 to 4000 lbs and rotate. Ream approximately 30', reamer freed up. COOH, left underreamer and sub in hole, OAL-5.03'. TIH w/ 4 3/4" bit, tag underreamer @ 3354'. CO @ 3354', returns-lite coal fines. Dry well, flow test - 264 mcfd. Pull to 7" casing, 1 hr SI - 140 psi

08-09-2000 SI pressure test, after 2 hours - 295 psi, after 3 hours - 420 psi, surge 18 times to 1000 psi, 20 minute build, returns-coal dust and water

08-10-2000 CO @ TD, returns-lite 1/16" coal in gray water. Dry well, pitot test - 217 mcfd. Pull into 7" casing, surge 7 times, returns-lite coal fines and water. TIH, tag fill @ 3331', CO @ TD, returns-lite 1/16" coal in gray water. COOH to 7" casing, surge 3 times, returns-lite 1/16" coal in gray water

08-11-2000 Surge 3 times w/ air and wtr to 1800 psi, returns-lite coal dust and wtr, TIH, tag & CO bridge @ 3310', CO @ TD, returns-lite coal fines in gray wtr, dry well, pitot test—217 mcfd, COOH to 7" window, Surge 4 times w/ air and wtr to 1800 psi, 1 surge w/ 30 bbl slugs of wtr to 2000 psi, 1 surge w/ 30 bbl wtr to 3000 psi, returns-lite fines on surges to 1800 psi, lite 1/4" coal on surges to 2000 & 3000 psi

08-12-2000 Surge 6 times w/ air and 30-60 bbl water to 1800 psi, returns-med to heavy coal and shale, last surge bridged off, TIH, tag bridges @ 3051', 3161' and 3304', CO 12' fill on bottom, returns-heavy 1/2" coal and shale (80/20) to fines in black to gray water, CO @ TD, returns-med to lite 1/8" coal and shale (90/10) to fines in gray water

08-13-2000 LD 6 jts DP, COOH to window, surge 10 times w/ air and 30 bbl water to 1800 psi, returns-lite to med coal and water

08-14-2000 Surge one time w/ air and 20 bbl water to 1800 psi, release surge, well bridged off, CO bridges from 2465'-2615', 3178'-3273', returns-heavy 1" and smaller coal and shale in black water, CO @ 3273', returns-heavy 1/4" coal and shale (80/20) to fines in dark gray water, CO 3273'-3366', returns-heavy 1/4" coal and shale (80/20) to fines reducing to lite fines in gray water, dry well, pitot test - 217 mcfd, COOH to liner top, surge 2 times, one 2 hour natural to 275 psi, 2<sup>nd</sup> surge w/ air and water to 1800 psi, returns-lite coal fines and water

08-15-2000 Surge 9 times w/ air and water to 1800 psi, returns-lite to med coal and water

08-16-2000 Surge, TIH, tag bridge @ 3275', CO to TD, returns-heavy 1/4" coal and shale (90/10) to fines in dark gray water reducing to lite 1/8" coal in gray wtr, dry well, COOH, RU Blue Jet, TIH w/ gamma ray tool, set down @ 3210', could not work past, TIH w/ DC's & DP, CO to TD, make three short trips to 5 1/2" casing, did not tag anything

08-17-2000 COOH, RU Blue Jet, try to get to TD w/ Gamma Ray tool, setting down on ledges, ran heavy sinker bar, could not get down, RD Blue Jet, TIH, PU swivel, Surge 5 times w/ air and water to 1800 psi, returns-heavy coal and water, last surge bridged off, TIH, hit bridges @ 1200' and 1360', CO @ 3304', returns-heavy 1/8" coal and shale (90/10) to fines in dark gray water

08-18-2000 CO 3304'-3366', returns-heavy to med 1/4" coal and shale (90/10) to fines in gray water. Dry well, COOH, hole tight @ 3275'. CO to TD-3366', returns-lite coal in gray water. Dry well, pitot test - 320 mcfd. COOH to window. Surge 5 times w/ air and mist to 1800 psi, 2hr build time. Surge #3 was 2hrs to 1660 psi, returns-heavy to med coal on 3 surges, med coal on last 2 surges

08-19-2000 TIH, tag @ 3223'. CO 3323'-3366', returns-heavy reducing to lite 1/8" coal and shale (80/20) to fines in dark gray to gray water. Dry well, pitot test - 372 mcfd

08-20-2000 Pitot test - 372 mcfd. COOH to 2392'. Surge 5 times w/ air and mist to 1600 psi, 3 hr build, returns-increasing from lite to very heavy on 4<sup>th</sup> surge. Well bridged on 4<sup>th</sup> surge. TIH, tag fill @ 2410'. CO to 3066', returns-heavy 1/2" coal and shale in black water

08-21-2000 CO bridges and fill to 3366'-TD, returns-heavy 1/2" coal and shale (80/20) to fines in black to dark gray wtr. CO @ 3366'-TD, returns-heavy reducing to lite 1/4" coal and shale (80/20) to fines in dark gray to gray water. Dry well, pitot test - 646 mcfd. COOH to 2392', surge 1 time to 1480 psi (3 hr build), returns-med coal and water

**08-22-2000** Surge 5 times w/ air and mist to 1480 psi, (3 hr build time), returns-med coal and wtr, last surge bridged well, hole tight, work on bridge under bit @ 2327'

**08-23-2000** CO bridge @ 2327', returns-heavy 1 1/2" coal and shale. TIH to 3227', CO 3227'-3273', returns-heavy 1/4" coal and shale (80/20) to fines in dark gray water, hole tight. LD 2 jts DP, CO 3209'-3366', returns-heavy 1/4" coal and shale (80/20) to fines in gray water, hole tight, LD 4 jts DP. CO @ 3273', returns-med 1/4" coal and shale (80/20) to fines in gray water

**08-24-2000** CO 3273'-3321', returns-heavy 1/4" coal and shale (80/20) to fines in dark gray water, tight hole, LD 3 jts DP, CO 3209'-3366', returns-heavy 1/4" reducing to lite 1/8" coal and shale (80/20) to fines in gray water, dry well for flow test

**08-25-2000** Dry well. LD 6 jts DP. Pitot test - 869 mcfd. COOH to 2392', surge 5 times to 1380 psi, returns-med coal and mist

**08-26-2000** Surge 1 times w/ air and mist to 1380 psi, (3 hr build time), returns-heavy coal, well bridged off. TIH, tag @ 2404', CO to TD-3366', returns-1" coal from bridges reducing to 1/4" coal and shale (80/20) to fines in black to gray water. CO @ TD-3366', returns-1/4" coal and shale to fines in gray water, hole tight. LD 3 jts DP, CO @ 3275'

**08-27-2000** CO 3241'-3366', returns- heavy 1/4 " coal and shale (80/20) in black to dark gray water, dry well, pitot test - 801 mcfd, COOH to 2392', surge 3 times to 1400 psi, 1480 psi, and 1800 psi, well bridged on 2<sup>nd</sup> surge, CO bridge @ 2392'

**08-28-2000** Break through bridge @ 2392', flow well. TIH, tag @ 3236', CO @ 3273', returns-heavy 1/4" coal and shale (80/20) to fines in black to dark gray water. COOH to check bit, 2 cones loose. TIH w/ new 4 3/4" bit, tag @ 3173', CO 3173'-3366', returns-heavy reducing to lite 1/4" coal and shale (80/20) to fines in gray water

**08-29-2000** CO @ TD, dry well, pitot well - 801 mcfd. COOH, LD DC's. PU and run 4" liner, liner hanger. TIH, wash 40' to bottom, hang liner & release. Ran 6 jts 4" 11#, L-80, LS-4F, Bradford csg w/ 4 3/4" bit & bit sub on bottom w/ TIW JGS liner hanger @ 3101'. COOH, LD DP. TIH w/ tubing, mill perforation plugs, COOH. TIH w/ tubing, bottom 32 jts have turned down collars (2 7/8" OD). Ran 107 jts 2- 3/8" (3311.50'), 4.7#, J-55, EUE 8rd w/ coupling on bottom, 1.81" ID F-nipple @ 3291' set @ 3323.5', land tubing. Release rig @ 0600 hrs

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ROSA UNIT #259 FRCS

wel id	well name	date	Premas
1472	1 ROSA UNIT #259	12/31/1998 0:00	5082
1472	1 ROSA UNIT #259	01/31/1999 0:00	7747
1472	1 ROSA UNIT #259	02/28/1999 0:00	8862
1472	1 ROSA UNIT #259	03/31/1999 0:00	13497
1472	1 ROSA UNIT #259	04/30/1999 0:00	8285
1472	1 ROSA UNIT #259	05/31/1999 0:00	6094
1472	1 ROSA UNIT #259	06/30/1999 0:00	4715
1472	1 ROSA UNIT #259	07/31/1999 0:00	4184
1472	1 ROSA UNIT #259	08/31/1999 0:00	2519
1472	1 ROSA UNIT #259	09/30/1999 0:00	2141
1472	1 ROSA UNIT #259	10/31/1999 0:00	1908
1472	1 ROSA UNIT #259	11/30/1999 0:00	1894
1472	1 ROSA UNIT #259	12/31/1999 0:00	1513
1472	1 ROSA UNIT #259	01/31/2000 0:00	696
1472	1 ROSA UNIT #259	02/29/2000 0:00	482
1472	1 ROSA UNIT #259	03/31/2000 0:00	1551
1472	1 ROSA UNIT #259	04/30/2000 0:00	1082
1472	1 ROSA UNIT #259	05/31/2000 0:00	1855
1472	1 ROSA UNIT #259	06/30/2000 0:00	1815
1472	1 ROSA UNIT #259	07/31/2000 0:00	1987
1472	1 ROSA UNIT #259	08/31/2000 0:00	613
1472	1 ROSA UNIT #259	09/30/2000 0:00	8512
1472	1 ROSA UNIT #259	10/31/2000 0:00	7932
1472	1 ROSA UNIT #259	11/30/2000 0:00	<b>11676</b>
1472	1 ROSA UNIT #259	12/31/2000 0:00	<b>13593</b>
1472	1 ROSA UNIT #259	01/31/2001 0:00	<b>15009</b>
1472	1 ROSA UNIT #259	02/28/2001 0:00	<b>14799</b>