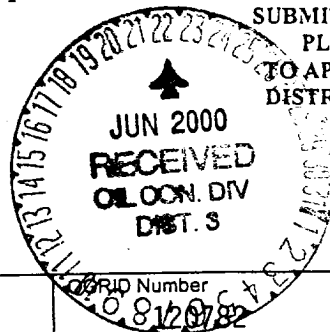


District I - (505) 393-6161
1625 N. French Dr
Hobbs, NM 88240
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131
2040 S. Pacheco
Santa Fe, NM 87505

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 P.O. Box 3102 Tulsa, OK 74101						Phone 918/573-6181		
Contact Party Kristine Russell						API Number 30-039-24524		
Property Name Rosa Unit						Well Number 219		
UL K	Section 19	Township 31N	Range 5W	Feet From The 1495	North/South Line S	Feet From The 1030	East/West Line W	County Rio Arriba

II. Workover

Date Workover Commenced: 7/1/1999	Previous Producing Pool(s) (Prior to Workover):
Date Workover Completed: 7/29/1999	

- 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:
1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well.
2. I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
3. 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 Production Analyst Date 6/21/2000
SUBSCRIBED AND SWORN TO before me this 21 day of JUNE, 2000.
Shirley L. 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 7/29/99.

Signature District Supervisor <u>SS. J</u>	OCD District <u>3</u>	Date <u>9/1/00</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

RECEIVED
BLM

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

070 FARMINGTON, 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)
1495' FSL & 1030' FWL, NE/4 SW/4, SEC 19 T31N R5W

5. Lease Designation and Serial No.
SF-078764

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
ROSA UNIT

8. Well Name and No.
ROSA UNIT #219

9. API Well No.
30-039-24524

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

11. County or Parish, State
RIO ARRIBA, NM

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.)*

7-01-1999 MIRU, NDWH, NU BOP, HCR valves, blooie lines and choke manifold, kill well, pull and LD tubing, PU liner mill and DC's, pull DP from baskets, strap

7-02-1999 PU DP, TIH w/ mill, mill liner hanger, COOH, TIH w/ spear and jars, catch liner and jar free, COOH, LD 5 jts 5 1/2" liner, TIH w/ underreamer, underream 2991'-3035'

7-03-1999 Underream to TD-3147', COOH, TIH w/ 6 1/4" bit, CO to TD, dry well, flow test through 3/4" choke, two 3 hour SI's—590 psi and 660 psi, SI for surge. Q = 131 mcf

7-04-1999
Surge natural-3 hr buildup to 660 psi, TIH, CO 3127'-3147' TD, returns-lite 1/8' coal to fines in gray wtr, dry well, bucket test for water—22 bwpd, surge 10 times w/ air mist to 1800 psi, returns-med coal in dark gray wtr

7-05-1999 CO 3030'-3147', returns-hvy reducing to lite 1/18" coal to fines in dark gray to gray wtr, LD 7 jts DP, surge 3 times w/ air and wtr to 1300 psi, returns-coal fines, wtr and gas

Continued on Back

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

Signed

Tracy Ross
TRACY ROSS

Title Production Analyst

Date August 4, 1999

(This space for Federal or State office use)

Approved by

Title

Date

FOR RECORD

Conditions of approval, if any:

AUG 19 1999

- 7-06-1999 Surge 10 times to 1800 psi, returns-hvy coal on some surges, TIH, CO 3040'-3099', returns hvy 1/8" coal to fines in dark gray wtr
- 7-07-1999 CO 3000'-3147'-TD, returns-hvy reducing to lite 1/4" coal and coaly shale to fines in black to gray wtr, dry well, flow test through 3/4" choke—580 mcf, surge to 1300 psi, returns hvy coal, gas and wtr. Q = 580 mcf
- 7-08-1999 Surge 7 times w/ air and wtr to 1450 psi, returns-lite coal and coal fines, gas and wtr, CO 3050'-3121', hole tight and sticky, returns hvy 1/16" coal to fines in black wtr
- 7-09-1999 CO 3066'-3147', returns-hvy reducing to lite 1/16" coal to fines in black to dark gray wtr, dry well, flow test. COOH to DC's, surge 3 times w/ air and wtr to 1300 psi, returns-med coal to fines, gas and wtr. Q = 667 mcf
- 7-10-1999 Surge 3 times w/ air and wtr to 1300 psi, returns-med to hvy coal, last surge bridged in casing, TIH, CO bridges @ 1700' and 2376', CO 3035'-3066' w/ 1800 scf air and 5 bph mist, returns-hvy 1/2" coal reducing to 1/8" coal in black wtr
- 7-11-1999 CO 3066'-3147', returns-hvy 1/4" coal and shale (90/10) to fines in black to brown wtr reducing to lite 1/16" coal to fines in gray wtr, 1/4" coal on early sweeps, dry well for test
- 7-12-1999 Dry well, flow test, COOH to DC's, surge 8 times w/ air and wtr to 1100 psi, returns-med to hvy coal, gas and wtr. Q = 696 mcf
- 7-13-1999 CO 3034'-3097', returns hvy coal and shale (70/30) to fines in black wtr reducing to hvy 1/16" coal and shale (80/20) in black wtr
- 7-14-1999 CO 3097'-3147', returns-hvy reducing to lite 1/16" coal and shale to fines in brown to gray wtr, dry well, flow test, COOH to DC's, surge 5 times w/ air and mist to 1050 psi, returns-coal, air and gas. Q = 798 mcf
- 7-15-1999 Surge 2 times w/ air and wtr to 1050 psi, returns-hvy coal, wtr and gas, TIH, tag @ 3030', CO 3034'-3065', returns-hvy coal and shale (70/30) to fines in black to dark gray wtr, hole tight 3050'-3065'
- 7-16-1999 CO 3065'-3097', hole tight and sticky 3082'-3097', returns-med to lite 1/16" coal to fines in gray wtr
- 7-17-1999 CO 3085'-3147', dry well, flow test, COOH to DC's, natural surge, 3 hr SI—820 psi, 2nd SI—880 psi. Q = 1668 mcf
- 7-18-1999 Natural surge 4 times (total of 6 natural surges), 3 hr SI pressures-820, 880, 900, 920, 820, and 825 psi, returns-coal fines in dark gray wtr, TIH, tag @ 3050', CO @ 3066', returns-hvy 1/8" coal to fines in dark gray wtr
- 7-19-1999 CO 3066'-3097', picked up and laid next joint of DP 4 times due to tight hole, lite coal returns sometimes, tight hole due to shale, pipe stuck @ 3087', had circulation, no pipe movement, worked pipe free @ 0530 hrs, pipe stuck @ 3087', had circulation, no pipe movement, worked pipe free @ 0530 hrs, CO 3066'-3097', returns-lite coal fines in dark gray wtr
- 7-20-1999 CO 3066'-3097' w/ 1800—900 scf air and 5-3 bph mist, PU next jt DP several times and had to lay down due to hole getting tight, returns-lite to very lite 1/16" coal and shale (50/50) in gray wtr, returns last hour are hvy 1/16" coal and shale (50/50) in gray wtr
- 7-21-1999 CO 3066'-3097', returns-very lite coal fines in gray wtr, COOH, PU underreamer and shock sub, TIH, underream from 3000'-3056', working interval 3026'-3056' for 8 hrs, well making very hvy coal and shale fines (50/50)
- 7-22-1999 Underream open hole to 9 1/2", TIH w/ 6 1/4 bit, tag 3039', CO 3066'-3112' w/ 1800 scf air and 3-10 bph mist, having to PU and LD joint 3097'-3112' several times due to tight hole, well unloads very heavy coal and shale at times
- 7-23-1999 CO 3066'-3147' w/ 1800 scf air and 3-10 bph mist, returns-very hvy coal fines and shale (70/30) in brown wtr, started running stiff foam @ 1100 hrs, added shale inhibitor and polymer @ 0300 hrs, bit has stayed on bottom since ~ 0300 hrs
- 7-24-1999 CO @ 3147'-TD, returns-med to lite 1/16" coal and shale (70/30) to fines in dark gray wtr, dry well, flow test, COOH to DC's, surge natural 5 times, max 3 hr SI-690 psi, returns-coal fines, wtr and gas. Q = 1885 mcf
- 7-25-1999 Surge natural 3 times w/ 3 hr SI to 720 psi, returns-coal fines, wtr and gas, unplug bit and bit sub, TIH, tag @ 3030', CO 3030'-3066' w/ 1800 cfm air and 4 bph mist w/ shale inhibitor and polymer, returns-hvy 1/16" coal and shale (70/30) to fines in dark gray wtr
- 7-26-1999 CO 3066'-3097' w/ 1800 cfm air and 15 bph mist w/ shale inhibitor and polymer, returns-hvy coal fines and shale (70/30) in dark gray wtr, raised the blooie line mufflers twice because coal is piling up in front of mufflers
- 7-27-1999 CO 3066'-3127', returns hvy coal & shale, CO 3127'-3147', returns lite coal, dry well, flow test. TIH, tag @ 3066' & 3087', CO 3087'-3097', returns-lite coal fines in gray wtr. Q = 1769 mcf

7-28-1999 CO 3087'-3147', returns med to lite coal to fines in gray wtr, dry well, PU & run 5 jts 5 ½" (234.37') 17#, N-80, LT&C 8rd, USS csg w/ 6 ¼" bit & bit sub on bottom set @ 3146', TIW JGS liner hanger @ 2911', wash liner from 3051'-3147', hang liner, release setting tool, LD DP, LD DC's, RU Blue Jet

7-29-1999 Perforate w/ Blue Jet the intervals 3032'-34', 3049'-50', 3053'-54', 3059'-60', 3067'-71', 3090'-91', 3109'-12' & 3121'-46' for a total of 38'-152 holes, PU and run 100 jts 2 3/8" (3113.40') 4.7#, J-55, EUE 8rd tubing set @ 3125.40' w/ expendable check on bottom and 1.81" ID F-nipple @ 3092', land tubing, ND, NU master valve, pump off expendable check, release rig

ROSA UNIT #219 FRT

WELL NAME	DATE	VOLUME
ROSA UNIT #219	6/30/1998 0:00	11918
ROSA UNIT #219	7/31/1998 0:00	14417
ROSA UNIT #219	8/31/1998 0:00	6218
ROSA UNIT #219	9/30/1998 0:00	9265
ROSA UNIT #219	10/31/1998 0:00	4110
ROSA UNIT #219	11/30/1998 0:00	6667
ROSA UNIT #219	12/31/1998 0:00	5901
ROSA UNIT #219	1/31/1999 0:00	9966
ROSA UNIT #219	2/28/1999 0:00	5744
ROSA UNIT #219	3/31/1999 0:00	9212
ROSA UNIT #219	4/30/1999 0:00	8766
ROSA UNIT #219	5/31/1999 0:00	4083
ROSA UNIT #219	6/30/1999 0:00	4881
ROSA UNIT #219	7/31/1999 0:00	1256
ROSA UNIT #219	8/31/1999 0:00	38805
ROSA UNIT #219	9/30/1999 0:00	37468
ROSA UNIT #219	10/31/1999 0:00	41114
ROSA UNIT #219	11/30/1999 0:00	39996
ROSA UNIT #219	12/31/1999 0:00	36596
ROSA UNIT #219	1/31/2000 0:00	39657
ROSA UNIT #219	2/29/2000 0:00	36039
ROSA UNIT #219	3/31/2000 0:00	24346