

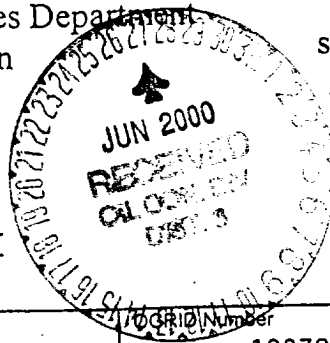
District I - (505) 393-6161
1625 N. French Dr
Hobbs, NM 88240
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131
2040 S. Pacheco
Santa Fe, NM 87505

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							Well Number 120782	
Contact Party Kristine Russell							Phone 918/573-6181	
Property Name Rosa Unit					Well Number 229		API Number 30-039-24496	
UL L	Section 29	Township 31N	Range 5W	Feet From The 1865'	North/South Line South	Feet From The 1055'	East/West Line West	County Rio Arriba

II. Workover

Date Workover Commenced: 11/12/1999	Previous Producing Pool(s) (Prior to Workover):
Date Workover Completed: 11/27/1999	

- 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 6/23/2000
SUBSCRIBED AND SWORN TO before me this 23 day of JUNE, 2000.
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 11/27/99.

Signature District Supervisor <u>SSJ</u>	OCD District <u>3</u>	Date <u>6/1/00</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

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

1999 DEC -2 PM 12:35
070 FARMINGTON, NM

Lease Designation and Serial No.
SF-078764

If Indian, Allottee or Tribe Name

SUBMIT IN TRIPPLICATE

7. If Unit or CA, Agreement Designation
ROSA UNIT

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

8. Well Name and No.
ROSA UNIT #229

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

9. API Well No.
30-039-24496

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1865' FSL & 1055' FWL, NW/4 SW/4, SEC 29 T31N R5W

11. County or Parish, State
RIO ARRIBA, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
Notice of Intent	Abandonment
<input checked="" type="checkbox"/> Subsequent Report	Recompletion
Final Abandonment	Plugging Back
	Casing Repair
	Altering Casing
	<input checked="" type="checkbox"/> Other <u>Cavitation Complete</u>
	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.)*

11-12-1999 MIRU service unit. NDWH, NU BOP equipment. Pressure test BOP equipment to 1500 psi, test OK. Pull doughnut and TOO H with 2 3/8" production tubing. LD tubing. Place 3 1/2" drill pipe on racks and tally. Change out 2 3/8" tubing rams for 3 1/2" drill pipe rams. Pick up liner retrieving tool and 3 1/2" drill pipe. TIH

11-13-1999 TIH with liner retrieving tool, PU 3 1/2" drill pipe. Service rig. Finish TIH to top of liner at 3070'. Latch onto liner. Work liner free. TOO H with liner, LD 5 joints of 5 1/2" casing. Change out 5 1/2" casing rams for 4 3/4" drill collar rams. PU 6 1/4" bit and 9- 4 3/4" drill collars. TIH, tag fill at 3264', 25' of fill. Clean out from 3264' to 3289' with 1800 cfm air, 8 bph H2O mist. Circulate up large amounts of coal. TOO H for under reamer. PU under reamer. TIH to 3125'. Under ream from 3125' to 3205'. Open hole from 6 1/4" to 9 1/2"

11-14-1999 Under ream from 3205' to 3289'. Open hole from 6 1/4" to 9 1/2". TOO H, LD under reamer. TIH with bit, tag 12' of fill at 3277'. Clean out from 3277' to 3289' with 1800 cfm air, 8 bph H2O mist. Circulate with 1800 cfm air to dry up the hole. TOO H to the shoe. Flow test through a 3/4" choke as follows: 15 min-14# = 377 mcfd, 30 min-12# = 348 mcfd, 45 min-11# = 333 mcfd, 60 min-11# = 333 mcfd. Cavitate well. Surge 6 times with 1800 cfm air, 8 bph H2O mist. Pressure to 1800 psi in 1 hour. Flow back 1/2 hour

Continued on Back

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

Signed Tracy Ross
TRACY ROSS

Title Production Analyst

Date November 29, 1999

(This space for Federal or State office use)

Approved by _____

Title _____

Conditions of approval, if any:

ACCEPTED FOR RECORD

DEC 11 1999

11-15-1999 Cavitate well. Surge 10 times with 1800 cfm air, 8 bph H2O mist. Build pressure up to 1800 psi in 1 hr. Flow back ½ hr. Had 10'-20' flare, medium amounts of water and medium to heavy coal fines on flow back. TIH, tag bridge at 3170'. Clean out from 3170' to 3289' with 1800 cfm air, 8 bph H2O mist and water sweeps. Circulate up large amounts of coal fines with sweeps. Circulate with 1800 cfm air to dry up the hole. TOOH to the shoe. Flow test through a ¾" choke as follows: 15 min-27# = 565 mcf, 30 min-28# = 580 mcf, 45 min-28# = 580 mcf, 60 min-26# = 551 mcf

11-16-1999 Cavitate well. Surge 8 times with 1800 cfm air, 8 bph H2O mist. Build pressure up to 1800 psi in 1 ½ hr. Flow back ½ hr. Had 8' to 15' flare, up to 2" stream of water and medium to heavy coal fines on flow back. TIH, tag bridge at 3200'. Clean out from 3200' to 3289' with 1800 cfm air, 8 bph H2O mist and water sweeps. Circulate up large amounts of coal fines with sweeps

11-17-1999 Clean out from to bottom with 1800 cfm air, 8 bph H2O mist and water sweeps. Circulate up large amounts of coal fines with sweeps. Circulate with 1800 cfm air to dry up the hole. TOOH to the shoe. Flow test through a ¾" choke as follows: 15 min-30# = 609 mcf, 30 min-31# = 623 mcf, 45 min-31# = 623 mcf, 60 min-31# = 623 mcf. Cavitate well. Surge 5 times with 1800 cfm air, 8 bph H2O mist. Pressure to 1650 psi in 1-1 ½ hr. Flow back ½ hr. Had 25' flare, 1" to 2" stream of water and medium to heavy coal fines on flow back

11-18-1999 Cavitate well. Surge 8 times with 1800 cfm air, 8 bph H2O mist. Pressure to 1800 psi in 1 hr. Flow back ½ hr. Had 15' flare, 1" stream of water and medium to heavy coal fines on flow back. TIH, tag bridge at 3230'. Clean out from 3230' to 3289' with 1800 cfm air, 8 bph H2O mist and water/soap sweeps. Circulate up large amounts of coal fines with sweeps. Coals appear to be running

11-19-1999 Clean out from 3230' to 3289' with 1800 cfm air, 8 bph H2O mist and water/soap sweeps. Circulate up large amounts of coal fines with sweeps. Coals appear to be running. Circulate with 1800 cfm air to dry up the hole. TOOH to the shoe. Flow test through a ¾" choke as follows: 15 min-35# = 681 mcf, 30 min-37# = 710 mcf, 45 min-40# = 754 mcf, 60 min-42# = 783 mcf. Cavitate well. Surge 2 times with natural build up. Pressure up to 720 psi in 4 hours. Flow back 1 hour. Had 40' flare, light water and light dust on flow back

11-20-1999 Complete natural surge, final 4 hr pressure 520#. Well bridged off. PUDP & GIH to clean out bridges. Tag bridges at 3120', 3230', & 3250'. Clean out on bottom with 1800 cfm air and 8 bbl water sweeps. Pull up hole, laying down 7 jts DP to 7" shoe. Cavitate well. Surge #1 780# SI Press, heavy coal & water, 50' flare. Surge #2 820# SI press, heavy coal & water for 15 mins, dies down, 60' flare. Surge #3 840#, heavy coal fines and 60' flare. Cont SI on surge cycle

11-21-1999 Complete natural surge, final 4 hr Pressure 520#. Well Bridged off. PU DP & GIH to CO bridge at 3212' at the top of the bottom coal interval. CO to bottom with 1800 cfm air and 8 bbl water sweeps, well making light coal fines, clearing up. Pull up hole, laying down 7 jts DP to 7" shoe. Cavitate well. Surge 3 times with natural build up. Surge #1 830 psi, 4hr returns heavy coal fines, water, & 60' flare. Surge #2 - 820#, 4hr, returns heavy coal fines, water, & 60' flare. Surge #3 - 780# in 4 hrs, returns heavy coal fines, water, and 60' flare. Continue natural surges

11-22-1999 Cavitate well. Surge 2 times with natural build up. Pressure up to 780# in 4 hours. Flow back 1 hour. Had a 40' flare, medium amounts of coal fines and medium water on flow back. TIH, tag fill at 3269' (20' of fill). Clean out from 3269' to 3289' with 1800 cfm air, 8 bph H2O mist and water sweeps. Circulate up medium amounts of coal fines with sweeps. Circulate with 1800 cfm air to dry up the hole. TOOH to the shoe. Flow test through a ¾" choke as follows: 15 min-35# = 681 mcf, 30 min-50# = 899 mcf, 45 min-50# = 899 mcf, 60 min-50# = 899 mcf

11-23-1999 Cavitate well. Surge 5 times with natural build up. Pressure up to 860# in 4 hours. Flow back 1 hour. Had a 40' flare, heavy amounts of coal fines and up to 2" stream of water on flow back. Maybe bridged off after last surge. Prepare to TIH and clean out

11-24-1999 TIH, tag fill at 3269'. Had 20' of fill. Clean out from 3269' to 3289' with 1800 cfm air, 8 bph H2O mist and water/soap sweeps. Circulate up large amounts of coal fines with sweeps. Circulate with 1800 cfm air to dry up the hole. TOOH to the shoe. Flow test through a ¾" choke as follows: 15 min-38# = 725 mcf, 30 min-42# = 783 mcf, 45 min-46# = 841 mcf, 60 min-48# = 870 mcf. Flow well natural through both bloole lines for 4 hours. TIH, tag fill at 3282'. Had 7' of fill. Clean out to bottom with 1800 cfm air, 8 bph H2O mist and water sweeps. Circulate up medium amounts of coal fines with sweeps. Circulate with 1800 cfm air to dry up the hole. TOOH to the shoe. Prepare to flow test through a ¾" choke. Choke manifold froze up

11-25-1999 Flow well natural through both bloole lines for 5 hours. TIH, tag 5' of fill. Clean out to bottom with 1800 cfm air, 8 bph H2O mist and water/soap sweeps. Circulate up large amounts of coal fines with sweeps. Circulate with 1800 cfm air to dry up the hole. TOOH to the shoe. Flow test through a ¾" choke as follows: 15 min-56# = 986 mcf, 30 min-56# = 986 mcf, 45 min-58# = 1015 mcf, 60 min-58# = 1015 mcf

11-26-1999 Flow well natural through both bloole lines for 4 hours. TIH, tag 5' of fill. Clean out to bottom with 1800 cfm air, 8 bph H2O mist and water/soap sweeps. Circulate up light amounts of coal fines with sweeps. TOOH, LD 9-4 ¾" drill collars. Change out the collar rams for casing rams. PU 5 jts of 5 ½" casing and liner hanger. TIH with liner, tag 5' of fill at 3284'. Wash & ream liner to bottom. Land liner @ 3288', liner top at 3060'. TOOH, LD 3 ½" drill pipe

11-27-1999 TOOH, LD 3 ½" drill pipe. Change out pipe rams for tubing rams. PU 4 ¾" disposable mill, 2 7/8" tubing and TIH to 3108'. Mill out perforation plugs from 3108' to 3152' and 3196' to 3287'. Circulate hole clean. Pull up and land 100 jts 2-7/8", 6.4#, J-55, EUE 8rd tubing at 3226', STD nipple @ 3190'. ND BOP equipment, NUWH equipment. Drop ball and pump out check. RD service unit. Rig released at 06:00 hrs 11/27/99

ROSA UNIT #229 FRT

ROSA UNIT #229	10/31/98 0:00	4015
ROSA UNIT #229	11/30/98 0:00	2339
ROSA UNIT #229	12/31/98 0:00	1025
ROSA UNIT #229	1/31/99 0:00	6337
ROSA UNIT #229	2/28/99 0:00	6986
ROSA UNIT #229	3/31/99 0:00	12238
ROSA UNIT #229	4/30/99 0:00	8329
ROSA UNIT #229	5/31/99 0:00	6363
ROSA UNIT #229	6/30/99 0:00	6780
ROSA UNIT #229	7/31/99 0:00	6417
ROSA UNIT #229	8/31/99 0:00	2574
ROSA UNIT #229	9/30/99 0:00	1759
ROSA UNIT #229	10/31/99 0:00	1412
ROSA UNIT #229	11/30/99 0:00	1606
ROSA UNIT #229	12/31/99 0:00	13293
ROSA UNIT #229	1/31/00 0:00	11639
ROSA UNIT #229	2/29/00 0:00	9861
ROSA UNIT #229	3/31/00 0:00	9184
ROSA UNIT #229	4/30/00 0:00	8192