

District I - (505) 793-6161
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						OGRID Number			
Operator name & address Williams Production Company P.O. Box 3102 Tulsa, OK 74101						120782			
Contact Party Kristine Russell						Phone 918/573-6181			
Property Name Rosa Unit				Well Number 256		API Number 30-039-24838			
UL	G	Section 25	Township 31N	Range 6W	Feet From The 1625'	North/South Line North	Feet From The 1560'	East/West Line East	County Rio Arriba

II. Workover	
Date Workover Commenced: 11/10/1999	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:

- 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 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>SSS</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

Lease Designation and Serial No.
SF-078766

If Indian, Allottee or Tribe Name

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)
1625' FNL & 1560' FEL, SW/4 NE/4, SEC 25 T31N R6W

7. If Unit or CA, Agreement Designation
ROSA UNIT

8. Well Name and No.
ROSA UNIT #256

9. API Well No.
30-039-24838

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	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.)*

11-10-1999 MIRU service unit. Try to kill well, tubing plugged. Blow down casing pressure. NDWH, NU BOP equipment. Lay blooie lines

11-11-1999 Change rams for 2 3/8" pipe rams. Finish laying blooie lines. Pull doughnut and trip out of the hole with 2 3/8" production tubing. Lay down tubing. Place drill pipe on racks and tally pipe. Change rams for 3 1/2" pipe rams. PU liner retrieving tool, PU 10-5" drill collars. RU floor for TIH. PU 3 1/2" drill pipe and TIH to top of liner at 2968'. Latch onto liner hanger at 2968'. Work liner free. TOOH with liner, LD 6 joints of 5 1/2" casing. PU 6 1/4" bit and TIH. Tag fill at 3208'. Clean out from 3208' to 3231' with 1800 cfm air, 5 bph H2O mist

11-12-1999 Clean out from 3208' to 3231' with 1800 cfm air, 5 bph H2O mist. TOOH hole for under reamer. Pressure test BOP equipment to 1500 psi, test OK. PU under reamer, TIH to 3055'. Under ream from 3055' to 3231'. Open hole from 6 1/4" to 9 1/2". TIH with under reamer. Change out rotating head rubber. TIH with a 6 1/4" bit. Tag fill at 3215', 16' of fill. CO from 3215' to 3231' with 1800 cfm air, 5 bph H2O mist. Circulate with 1800 cfm air to dry up the hole. TOOH to shoe. flow test through a 3/4" choke as follows: 15 min-5# = 246 mcf, 30 min-6# = 261 mcf, 45 min-6# = 261 mcf, 60 min-6# = 261 mcf

11-13-1999 Flow test through a 3/4" choke. 6 psi = 261 mcf. Cavitate well. Surge 8 times with 1800 cfm air, 5 bph H2O mist. Pressure up to 2000 psi in 1 1/2 hrs. Flow back 1/2 hr. TIH, tag fill at 3200', 31' of fill. Clean out from 3200' to 3231' with 1800 cfm air, 5 bph H2O mist and water sweeps. Circulate up medium amounts of coal fines with sweeps

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

ACCEPTED FOR RECORD

(This space for Federal or State office use)

Approved by _____

Title _____

Date DEC 1 1999

Conditions of approval, if any:

APPROVED BY FIELD OFFICE
SM

11-14-1999 Clean out from 3200' to 3231' with 1800 cfm air, 5 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-12# = 348 mcf, 30 min-28# = 580 mcf, 45 min-31# = 623 mcf, 60 min-31# = 623 mcf. Cavitare well. Surge 7 times with 1800 cfm air, 5 bph H₂O mist. Pressure up to 1700 psi in 1 ½ hr. Flow back for ½ hr. Had 10' flare, Medium mist to heavy black water and light fines on flow back

11-15-1999 Cavitare well. Surge 6 times with 1800 cfm air, 5 bph H₂O mist. Build pressure up to 2000 psi in 1 hr. Flow back 1 hr. Had 10'-15' flare, medium to heavy coal fines and heavy black water on flow back. TIH, tag bridge at 3090'. Clean out from 3090' to 3231' with 1800 cfm air, 5 bph H₂O mist and water sweeps. Circulate up large amounts of coal fines with sweeps

11-16-1999 Clean out from 3090' to 3231' with 1800 cfm air, 5 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-23# = 507 mcf, 30 min-44# = 812 mcf, 45 min-43# = 797 mcf, 60 min-42# = 783 mcf. Cavitare well. Surge 4 times with 1800 cfm air, 5 bph H₂O mist. Build pressure up to 1600 psi in 1 ½ hr. Flow back ½ hr. Had 15' flare, heavy black water and medium amounts of coal fines on flow back

11-17-1999 Cavitare well. Surge 5 times with 1800 cfm air, 5 bph H₂O mist. Build pressure up to 1800 psi in 1 ½ hr. Flow back ½ hr. Had 15' flare, heavy black water and medium amounts of coal fines on flow back. TIH, tag fill at 3215', 16' of fill. Clean out from 3215' to 3231' with 1800 cfm air, 5 bph H₂O mist and water/soap sweeps. Circulate up large amounts of coal fines

11-18-1999 Clean out from 3215' to 3231' with 1800 cfm air, 5 bph H₂O mist and water/soap sweeps. Circulate up large amounts of coal fines. 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-45# = 826 mcf, 30 min-47# = 855 mcf, 45 min-48# = 841 mcf, 60 min-46# = 841 mcf. Cavitare well. Surge 2 times with natural build up. Pressure up to 860 psi in 4 hours. Flow back 1 hour

11-19-1999 Cavitare well. Surge 2 times with natural build up. Pressure up to 790 psi in 4 hours. Flow back 1 hour. TIH, tag fill at 3213'. Clean out from 3213' to 3231' with 1800 cfm air, 5 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-35# = 681 mcf, 30 min-45# = 826 mcf, 45 min-50# = 899 mcf, 60 min-55# = 971 mcf

11-20-1999 Complete flow test through a ¾" choke as follows: 45 min-50# = 899 mcf, 60 min-55# = 971 mcf. Surge well with natural 4 hr build ups. Surge # 1 800# 4-hr, returns heavy coal fines, water & 30' flare. Surge # 2 820# 4-hr, returns heavy coal fines, water & 30' flare. Surge # 3 860# 4-hr, returns heavy mist, light coal dust, only 5' flare. Bridged off. PU DP & GIH tagging bridges at shoe 3045' & 3110'. Clean out with 1800 cfm air and 8 bbl soap sweeps. Well bringing back heavy coal fines and water. Coal fines increase on sweeps

11-21-1999 Continue to CO at 3231' with 1800 cfm air and 8 bbl soap sweeps. Returns heavy coal fines on sweeps, and light coal fines in between sweeps. Dry well. LD Drill pipe to shoe. Flow test through a ¾" choke for 1 hr as follows: all readings steady at 70 psig + 12 psig = 82 psig = 1188 mcf. Continue natural surges to 800#, returns light coal fines, water mist and 30' to 40' flare. Shut-in for 2nd surge cycle 820#. Continue surging

11-22-1999 Cavitare well. Surge 3 times with natural build up. Pressure up to 860 psi in 4 hours. Flow back 1 hour. Had 30' flare, medium amounts of coal dust and medium amounts of water on flow back. TIH, tag fill at 3213'. Clean out from 3213' to 3231' with 1800 cfm air, 5 bph H₂O mist and water/soap sweeps. Circulate up large amounts of coal fines with sweeps

11-23-1999 Clean out from to bottom with 1800 cfm air, 5 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-75# = 1261 mcf, 30 min-80# = 1330 mcf, 45 min-82# = 1360 mcf, 60 min-82# = 1360 mcf

11-24-1999 Flow well natural through both blooie lines for 4 hours. TIH, tag light bridge at 3210' and had 5' of fill on bottom. Clean out to bottom with 1800 cfm air, 5 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-78# = 1305 mcf, 30 min-85# = 1406 mcf, 45 min-90# = 1479 mcf, 60 min-90# = 1479 mcf

11-25-1999 Flow well natural through both blooie lines for 4 hours. TIH, tag light bridge at 3210' and had 3' of fill on bottom. Clean out to bottom with 1800 cfm air, 5 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-76# = 1276 mcf, 30 min-92# = 1508 mcf, 45 min-95# = 1551 mcf, 60 min-95# = 1551 mcf

11-26-1999 TIH, no fill on bottom. Clean out to bottom with 1800 cfm air, 5 bph H₂O mist and water/soap sweeps. Circulate up light amounts of coal fines with sweeps. TOOH, LD 10-4 ¾" drill collars. Change out collar rams for casing rams. PU 6 joints of 5 ½" casing and liner hanger. TIH with liner, land at 3231', top of liner at 2963'. TOOH, LD 3 ½" drill pipe. Change out pipe rams for tubing rams. Pick up a 4 ¾" disposable mill and 2 7/8" tubing. TIH

11-27-1999 Pick up 2 7/8" tubing. TIH to 3092', mill out perforation plugs from 3092' to 3230'. Pull up and land 101 jts 2-7/8", 6.4#, J-55, EUE 8rd tbg at 3187', STD nipple @ 3152'. ND BOP equipment, NUWH. Drop ball and pump out check. RD service unit. Rig released at 06:00 hrs 11/27/99. Plan move to the yard 11/27/99.

ROSA UNIT #256 FRT

ROSA UNIT #256	10/31/98 0:00	14323
ROSA UNIT #256	11/30/98 0:00	13330
ROSA UNIT #256	12/31/98 0:00	11515
ROSA UNIT #256	1/31/99 0:00	13760
ROSA UNIT #256	2/28/99 0:00	8532
ROSA UNIT #256	3/31/99 0:00	10603
ROSA UNIT #256	4/30/99 0:00	11394
ROSA UNIT #256	5/31/99 0:00	11263
ROSA UNIT #256	6/30/99 0:00	10619
ROSA UNIT #256	7/31/99 0:00	6047
ROSA UNIT #256	8/31/99 0:00	8051
ROSA UNIT #256	9/30/99 0:00	6908
ROSA UNIT #256	10/31/99 0:00	6842
ROSA UNIT #256	11/30/99 0:00	2677
ROSA UNIT #256	12/31/99 0:00	36226
ROSA UNIT #256	1/31/00 0:00	42163
ROSA UNIT #256	2/29/00 0:00	37554
ROSA UNIT #256	3/31/00 0:00	39183
ROSA UNIT #256	4/30/00 0:00	34025