

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								
Contact Party Kristine Russell								
Property Name Rosa Unit								
Well Number 240								
API Number 30-039-25031								
UL	Section	Township	Range	Feet From The	North/South Line	Feet From The	East/West Line	County
J	1	31N	6W	1900'	S	900'	E	Rio Arriba

II. Workover	
Date Workover Commenced: 8/25/1999	Previous Producing Pool(s) (Prior to Workover):
Date Workover Completed: 9/15/1999	

- 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 <u>Oklahoma</u>)	
County of <u>Tulsa</u>) 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 <u>Kristine Russell</u>	Title <u>Production Analyst</u> Date <u>6/23/2000</u>
SUBSCRIBED AND SWORN TO before me this <u>23</u> day of <u>JUNE</u> , <u>2000</u> .	
Notary Public <u>Shirley K. Davis</u>	
My Commission expires: <u>10-10-01</u>	

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 9/15/99.

Signature District Supervisor <u>SSS</u>	OCD District <u>3</u>	Date <u>10/9/00</u>
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- VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: _____

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 WELL

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 FACILITATION, NM

SUBMIT IN TRIPPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. SF-078772
2. Name of Operator WILLIAMS PRODUCTION COMPANY	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. PO BOX 3102 MS 37-2, TULSA, OK 74101 (918) 561-6254	7. If Unit or CA, Agreement Designation ROSA UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1900' FSL & 900' FEL, NW/4 SE/4, SEC 01 T31N R6W	8. Well Name and No. ROSA UNIT #240
	9. API Well No. 30-039-25031
	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
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Cavitation Complete</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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.)*

8-25-1999 MIRU on Rosa Unit 240

8-26-1999 NU, pull tubing, pressure test BOP, choke manifold and HCR valves, PU mill, DC's and DP, mill 4' of liner hanger

8-27-1999 Mill a total of 4 1/2' of liner hanger, COOH, TIH, catch and pull liner, LD 6 jts 5 1/2" liner, TIH w/ underreamer, underream 3016'-3133', repair swivel

8-28-1999 Rig repair, underream to 3197'-TD, COOH. TIH w/ 6 1/4" bit. CO @ TD, returns-hvy reducing to lite 1/4" coal to fines in black wtr. Dry well, flow test—8 mcfd, three hour SI—290 psi. Surge 2 times w/ air and mist to 1800 psi, returns-coal fines, wtr and gas. Q = 8 mcfd

8-29-1999 Surge 10 times w/ air and mist to 1900 psi, returns-hvy coal, wtr and gas, TIH, tag @ 3090', CO 3090'-3197', returns-hvy reducing to lite 1/4" coal to fines in dark gray wtr

Continued on Back

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

Signed Tracy Ross Title Production Analyst Date September 22, 1999

TRACY ROSS

ACCEPTED FOR RECORD

(This space for Federal or State office use)

Approved by _____ Title _____ Date OCT 04 1999

Conditions of approval, if any: _____

Production Field Office

8-30-1999 Dry well, flow test—109 mcf/d, COOH to DC's. Surge 8 times w/ air and mist to 1800 psi, returns-hvy coal, wtr and gas. Well bridged on last surge, TIH, tag @ 2880, CO 2880'-2910', returns-hvy 1/4" coal to fines in black wtr

8-31-1999 CO 2880'-3197', returns-hvy 1/4" coal to lite 1/8" coal and shale (90/10) to fines in black to brown wtr. Dry well, flow test - 203 mcf/d, produced wtr - 75 bwpd. COOH to DC's, surge one times to 1500 psi, returns-hvy coal, wtr and gas

9-01-1999 Surge 8 times w/ air and mist to 1500 psi (2.5 hr build time), returns-very hvy coal, black wtr and gas, TIH, tag 3115', CO 3115'-3197', returns-hvy 1/8" coal and shale (90/10) to fines in black wtr

9-02-1999 CO 3110'-3197', returns-hvy reducing to lite 1/16" coal to fines in black to brown wtr, dry well, flow test—305 mcf/d, COOH to DC's, surge w/ air and wtr to 1600 psi, returns-hvy coal, wtr and gas

9-03-1999 Surge 2 times w/ air and mist to 1600 psi, returns-hvy coal, wtr and gas, TIH, tag and CO bridges @ 2473', 2787' and 2880', CO 2880'-3151', returns-hvy 1/8" coal and shale (90/10) to fines in black wtr

9-04-1999 CO 3142'-3203', returns-hvy 1/8" coal and shale (90/10) to fines in dark gray wtr reducing to lite 1/16" coal, dry well, flow test—508 mcf/d, COOH to DC's, surge 2 times w/ air and mist to 1500 psi, returns-lite to med coal, wtr and gas

9-05-1999 Surge 4 times w/ air and mist to 1450 psi, (3 hr buildup), returns-med to hvy coal, wtr and gas, TIH, CO 3079'-3142', returns-hvy 1/8" coal and shale (90/10) to fines in dark gray wtr

9-06-1999 CO 3142'-3203', returns-hvy reducing to lite 1/8" coal and shale (90/10) to fines in dark gray to gray wtr, dry well, flow test—464 mcf/d, COOH to DC's, surge w/ air and mist to 1250 psi, (2.5 hr buildup), returns-hvy coal, wtr and gas

9-07-1999 Surge 5 times w/ air and mist to 13000 psi, returns-med to hvy coal in black wtr and gas, TIH, tag 3110', CO 3110'-3173', returns-hvy 1/4" coal and shale (90/10) to fines in black to dark gray wtr

9-08-1999 CO 3173'-3202', returns-med to lite 1/8" coal and shale (90/10) to fines in gray wtr. Dry well, flow test - 362 mcf/d, two hr SI—240 psi. Surge 5 times w/ air and wtr to 1550 psi, (3 hr buildup), returns-med coal in black to dark gray wtr and gas

9-09-1999 Break bridge from last surge, TIH, tag 3177', CO from 3085'-3177' w/ 1800 scf air and 5 bph mist, well making very little coal returns, drop one compressor to 900 scf air and 5 bph mist, returns-very hvy 1/8" coal and shale (90/10) to fines in dark gray wtr

9-10-1999 CO @ 3203'-TD, returns-hvy to lite 1/8" coal and shale (90/10) to fines in dark gray wtr, dry well, flow test, surge natural 4 times, 3 hr SI pressures-315, 320, 340 and 340 psi, returns-lite coal and gas

9-11-1999 Surge natural 2 times, 340 & 320 psi, returns-coal fines and gas, TIH, tag @ 3197'-TD, CO @ 3197'-TD, returns-med to lite 1/8" coal and shale (90/10) to fines in gray wtr, dry well, LD 7 jts DP, flow test—508 mcf/d, COOH to surge

9-12-1999 Surge 6 times w/ air and mist, 3 hr build up-1200-1400 psi, returns-first three surges, med coal and gas, last three surges, hvy coal and gas

9-13-1999 Surge 1 times w/ air and mist to 1400 psi, returns-hvy coal, wtr and gas, TIH, tag @ 3050', CO 3050'-3142', returns-hvy 1/8" coal and shale (90/10) to fines in black to dark gray wtr

9-14-1999 CO 3142'-3202', returns-hvy reducing to lite 1/8" coal and shale (75/25) to fines in dark brown to gray wtr, coal shale ratio increased to 90/10, dry well, COOH, LD DC's, RU to run liner

9-15-1999 RIH w/ liner, ran 5 jts 5 1/2" (229.74') 17#, N-80, LT&C USS casing w/ LA set on bottom @ 3196' and TIW JGS liner hanger @ 2967', bottom three jts (131/67) had perforation plugs, LD DP, TIH w/ 2 3/8" tubing, mill perforation plugs, COOH w/ mill, TIH w/ expendable check, land tubing, ran 101 jts 2 3/8" (3161.72) 4.7#, J-55, EUE 8rd landed @ 3173.74 w/ expendable check on bottom and 1/81" ID F-nipple @ 3131', ND BOP, NU WH, pump off expendable check, rig down

ROSA UNIT #240 FRT

ROSA UNIT #240	1/31/1994	165
ROSA UNIT #240	2/28/1994	125
ROSA UNIT #240	3/31/1994	111
ROSA UNIT #240	4/30/1994	63
ROSA UNIT #240	11/30/1994	87
ROSA UNIT #240	12/31/1994	107
ROSA UNIT #240	1/31/1995	52
ROSA UNIT #240	6/30/1995	37
ROSA UNIT #240	7/31/1995	6
ROSA UNIT #240	3/31/1996	33
ROSA UNIT #240	4/30/1996	15
ROSA UNIT #240	5/31/1996	13
ROSA UNIT #240	9/30/1998 0:00	197
ROSA UNIT #240	10/31/1998 0:00	128
ROSA UNIT #240	11/30/1998 0:00	0
ROSA UNIT #240	12/31/1998 0:00	0
ROSA UNIT #240	1/31/1999 0:00	0
ROSA UNIT #240	2/28/1999 0:00	0
ROSA UNIT #240	3/31/1999 0:00	231
ROSA UNIT #240	4/30/1999 0:00	86
ROSA UNIT #240	5/31/1999 0:00	2063
ROSA UNIT #240	6/30/1999 0:00	0
ROSA UNIT #240	7/31/1999 0:00	0
ROSA UNIT #240	8/31/1999 0:00	0
ROSA UNIT #240	9/30/1999 0:00	1414
ROSA UNIT #240	10/31/1999 0:00	3719
ROSA UNIT #240	11/30/1999 0:00	3920
ROSA UNIT #240	12/31/1999 0:00	2510
ROSA UNIT #240	1/31/2000 0:00	3419
ROSA UNIT #240	2/29/2000 0:00	3755
ROSA UNIT #240	3/31/2000 0:00	4285
ROSA UNIT #240	4/30/2000 0:00	3527