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

JUN 2000 RECEIVED OIL CON. DIV. DIST. 3

SEP 2000 RECEIVED OIL CON. DIV. DIST. 3

APPLICATION FOR WELL WORKOVER PROJECT

I. Operator and Well

Operator name & address								OGRID Number
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 217			API Number 30-039-24429
UL H	Section 11	Township 31N	Range 6W	Feet From The 1495	North/South Line N	Feet From The 790	East/West Line E	County Rio Arriba

II. Workover

Date Workover Commenced:	Previous Producing Pool(s) (Prior to Workover):
7/13/1999	
Date Workover Completed:	
8/6/1999	

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)
) ss.
County of Tulsa)

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 8/6, 99.

Signature District Supervisor	OCD District	Date
	3	10/9/00

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
99 AUG 17 AM 11:28
070 FARMINGTON, NM

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-078771

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

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 #217

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

9. API Well No.
30-039-24429

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)
1495' FNL & 790' FEL, SE/4 NE/4, SEC 11 T31N R6W

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	☐ Change of Plans
■ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	■ Other Sidetrack and Cavitate Complete	☐ 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.)*

7-13-1999 MIRU. Blow well down, NDWH, NUBOPs & bloole lines. Pressure test BOP stack. Unseat donut & tally out w/2 3/8" prod string. WL set 7" CIBP @ 2495'. PU 4 ¾" DC's & stand back. Attempt to run whipstock w/orientation tool, Gyro/data didn't have all tools required for job. Tally in w/68 jts 3 ½" DP. TOOH & stand back.

7-14-1999 W/O orientation tool. MU 5 ½" whipstock w/6 ¼" starting mill & orientation sub. TIH to 2475'. Orientate whipstock to southwest direction 225 degrees from north. Tag CIBP @ 2497', survey & set whipstock. Mill top of window @ 2480' w/16 bph air/soap mist. TOOH w/starter mill. TIH w/6 ¼" window mill & string mill. Mill & dress up window f/2480'- 2489', drill 6' of open hole to 2495'. TOOH w/ mills, LD & load out. TIH w/6 ¼" bit, stabilizer & 10 4 ¾" dc's, work thru window

7-15-1999 Drilling from 2495'- 3094' (TD) w/10 bph air/soap mist, run surveys (see details). Circ clean. TOOH w/DC's, lay down same. C/O rams & RU to run 5 ½" liner

7-16-1999 TIH w/16 jts 5 ½" liner to 3095' TD. Circ hole clean w/6 bph air/soap mist. Cmt 5 ½" liner w/50 sx Class B cmt w/2% CaCl2, plug down @ 1000 hrs. Set hanger @ 2413', rev out 4 bbls cmt to pit. TOOH laying down w/3 ½" DP & setting tool. WOC. Tally in w/4 ¾" bit, BS & float, 10 3 ½" DC's & 87 jts 2 7/8" AOH DP, tag TOC @ 3040'. Load & pres test csg to 1000 psi & held. Drill out cmt & shoe f/3040'- 3094' w/prod wtr. Unload csg w/air. Drlg open hole f/3095'- 3215' w/10 bph air/soap mist

Continued on Back

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

Signed Tracy Ross TRACY ROSS Title Production Analyst Date August 13, 1999

(This space for Federal or State office use)

Approved by _____ Title _____ Date ACCEPTED FOR RECORD

Conditions of approval, if any:

AUG 19 1999

FARMINGTON FIELD OFFICE
BY

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.

OPERATOR

7-17-1999 Drlg f/3215'- 3274' (td) surveys @ 3198' = 13°, 3261' = 12.5°. New TD @ 3279' KB. TOOH w/bit. TIH w/8" underreamer. Underream f/3096'- 3274' w/10 bph air/soap mist. TOOH w/underreamer. TIH w/4 ¾" bit, tag 6' of fill & CO. Blow well w/air/soap mist. PU bit to 3070'. SI well for 4 hr natural build up = 810 psi

7-18-1999 Surge well natural f/3070' 4 hr nat build up = 810 psi, ret's lt mist. Surge well (16 times) w/3 bph air/soap mist. Pres @ 1050 psi, ret's lt mist w/trace of coal, flow nat after each surge

7-19-1999 Surge well f/3070 (2 times) w/3 bph air/soap mist, pres @ 1100 psi, rets lt mist. TIH & tag 21' of fill @ 3253', CO to TD w/ 6 bph air/soap mist, run 5 bbl sweeps, med ret's = 70% coal fines & 30% shale. Blow well dry & PU bit to 3070'. Surge natural (3 times) 2 hr nat build up = 480 psi, flow nat 1 hr after each surge. Gauge well on 1" line, all gauges dry & avg 217 mcfd. Surge well (6 times) w/5 bbls ahead & ½ gal soap, pres @ 1200 psi, lt ret's mist w/trace coal

7-20-1999 Surge natural, 2 hr build up = 460 psi, ret's lite mist. Surge well f/3070' w/5 bph air/soap mist, pres @ 1200 psi, ret's lite coal fines & air/soap mist. TIH & tag/CO bridges @ 3124', 3172', 3215' & 3260' w/6 bph air/soap mist, tag 5' of fill @ 3269' & CO to TD. Blow well from TD w/6 bph air/soap mist, lite-med ret's = 70% bright coal fines & 30% shale. Blow well dry & PU bit to 3070'. Surge natural, 4 hr build up = 730 psi, ret's lite mist & trace coal. Surge (5 times) w/5 bbls ahead & ½ gal soap, pres @ 1450 psi, ret's lite coal fines & gas/air soap mist

7-21-1999 Surge well from 3070' w/5 bbls prod wtr & ½ gal soap ahead, pres @ 1450 psi, ret's lite coal fines & gas/air mist. TIH & tag bridge @ 3250', CO bridge & 5' of fill to TD. Blow well dry & PU bit to 3070'. Surge natural (5 times) 1st 2 hr nat build up = 340 psi, 2nd = 340 psi, 3rd = 350 psi, 4th & 5th = 390 psi, ret's lite coal fines & gas mist. Surge well from 3070' (2 times) w/3 bbls prod wtr & ½ gal soap ahead, pres @ 1600 psi, ret's lite coal fines & gas/air mist

7-22-1999 Surge well from 3070' (2 times) w/5 bbls prod wtr & ½ gal soap ahead, pres @ 1600 psi ret's lt. Attempt to break over w/3 bph air/soap mist, pres up to 1700 psi w/air, take pres to 1950 psi w/rig pump, surge & bridge off. Tag bridge @ 3092', CO & work thru ratty open hole from 3092'- 3198' w/8 bph air/soap mist, ret's hvy shale = 1/8" to 1" in size

7-23-1999 CO from 3198' to TD with 8 bph air/soap mist, hvy ret's = 90% shale & 10% coal. Blow well dry & PU bit to 3070'. Surge natural (2 times) 1st 4 hr build up = 650 psi, ret's gas mist, 2nd 4 hr build up = 620 psi, ret's lite coal & prod wtr. Tag 3' of fill & CO. Blow well dry, PU bit to 3166'. Surge well from 3166' (5 times) w/3 bbls prod wtr & ½ gal soap ahead, pres @ 1200 psi, med-hvy ret's = 60% shale & 40% coal

7-24-1999 Surge well f/3166'(5 times) w/5 bbls prod wtr & 1 gal soap, pres @ 1200 psi, med-hvy ret's = 80% coal & 20% shale. Tag 10' of fill & CO w/8 bph air/soap mist. Blow well f/TD w/8 bph air/soap mist, lt-med ret's = 90% coffee ground size coal & 10% shale. Blow well dry, PU bit to 3166'. Surge natural, 2 hr SI = 375 psi, ret's lt mist, flow natural. Gauge well on 1" line, all gauges wet & avg 298 mcfd. Surge well f/3166'(2 times) w/5 bbls ahead & 1 gal soap, pres @ 1200 psi, med-hvy ret's = 90% coal & 10% shale, flow natural

7-25-1999 Surge well f/3166'(7 times) w/5 bbls prod wtr & 1 gal soap ahead, pres @ 1200 psi, med-hvy ret's = 90% coal & 10% shale, flow natural 1 hr after each surge. Surge natural (2 times) 1st 2 hr build up = 380 psi, 2nd = 340 psi, ret's lt mist

7-26-1999 Tag 12' of fill & CO. Blow well f/TD w/8 bph air/soap mist, med ret's = 90% coal fines & 10% shale. Blow well dry, PU bit to 3166'. Surge nat, 1 hr SI = 180 psi, flow nat 1 hr. Gauge well on 2" line, all gauges lt mist & avg 309 mcfd. Surge natural (3 times) 1st 2 hr si = 360 psi, 2nd = 340 psi, 3rd SI 4 hrs = 590 psi, rets lt mist. Tag 1' of fill, unload well w/air only. Blow dry & PU bit to 3166'. Break over @ 1480 psi w/air only, rets lt coal fines & gas/air mist

7-27-1999 Surge well from 3166'(2 times) w/5 bbls prod wtr & 1 gal soap ahead, pres @ 1200 psi, hvy ret's = 70% shale & 20% coal, bridge off on 2nd surge. CO from 3166'- 3274' with 8 bph air/soap mist. Blow well dry & PU bit to 3166'. Surge (5 times) w/5 bph air/soap mist, pres @ 1450 psi, hvy ret's = 70% shale & 30% coal, bridge off. CO from 3166'- 3230' w/8 bph air/soap mist, returns hvy shale

7-28-1999 CO from 3230'- 3274' w/8 bph air/soap mist, ret's hvy shale & lite coal. Blow well from TD w/8 bph air/soap mist, ret's = 60% coal & 40% shale. Blow well dry & PU bit to 3166'. Surge well w/5 bph air/soap mist, pres @ 1450 psi, hvy ret's = 90% shale & 10% coal, bridge off. CO to TD w/8 bph air/soap mist. Blow well dry & PU bit to 3166'. Surge natural (3 times) 1st 4 hr build up = 480 psi, 2nd = 540 psi, 3rd = 570 psi, ret's hvy mist & lite coal, flow natural 1 hr after each surge

7-29-1999 Surge natural (2 times) both 4 hr shut in's = 610 psi, ret's = med mist & lite coal fines. Tag 7' of fill @ 3267' CO to TD with 6 bph air/soap mist. Blow well from 3274' with 6 bph air/soap mist, lt ret's = 80% coffee ground size coal & 20% shale. Blow well dry & PU bit to 3166'. Surge natural (2 times) 1st 4 hr build up = 600 psi, 2nd = 620 psi, ret's = med mist & lite coal fines

7-30-1999 Natural surge, 4 hr build up = 620 psi, ret's = med mist & lite coal fines. Tag 3' of fill & CO. Blow well dry & PU bit to 3166'. Break over @ 1440 psi, ret's med mist & lite coal. Flow natural 1 hr. Gauge well on 2" line, all gauges dry & avg 440 mcfd. Surge from 3166' w/5 bbls prod wtr & ½ gal soap ahead, pres @ 1350 psi, hvy ret's = 70% shale & 30% coal, bridge off & got tight. Work bit free & PU to 3104'. CO & work on ratty open hole from 3104'- 3166'

7-31-1999 Work on ratty open hole from 3151'- 3166' w/8 bph air/soap mist, ret's hvy shale. TOOH with bit. TIH with new 4 ¾" bit, tag bridge @ 3140'. CO & work bit thru ratty open hole from 3140'- 3166' ret's hvy shale

8-01-1999 CO & work bit thru bad hole from 3166'- 3185' w/6 bph air/soap mist, ret's hvy shale, bridge off. PU bit to 3135', break circ w/6 bph air/soap mist. CO from 3135'- 3175' lose circ & bridge off. PU bit to 3135', break circ w/10 bph air/soap mist. CO & work thru bad hole from 3135'- 3166' w/10 bph air/soap mist, ret's hvy shale

8-02-1999 CO from 3166'- 3261' w/10 bph air/soap mist. Fell thru bad spot in open hole @ 3188' ret's hvy shale. Blow well from 3261 w/7 bph air/soap mist, ret's hvy shale, bridge off & stick pipe. Work stuck pipe free & PU bit to 3135'. CO & work bit back to 3261' w/8 bph air/soap mist. Blow well from 3261' w/air only. PU bit to 3100'. Surge natural (2 times) 1st 4 hr build up = 510 psi, 2nd = 650 psi, ret's hvy mist, flow natural 1hr each surge

8-03-1999 Natural surge, 4 hr build up = 610 psi, ret's hvy mist, hvy shale & coal. Flow natural, ret's hvy wtr, well loading up & unloading on own. Natural surge 4 hr build up = 430 psi, ret's med mist (bridge off). Tag bridge @ 3155'. CO to 3166' w/8 bph air/soap mist, ret's hvy shale, bridge off 3 times. PU bit & start over

8-04-1999 CO & work thru bridges f/3135'- 3166' w/8 bph air/soap mist, ret's hvy shale. Blow well dry. TOOH w/bit. TIH w/Baker 8" underreamer to 3104'. Break circ w/15 bph air/soap mist, pres @ 1200 psi, open arms. Underream f/3104'- 3207' w/15 bph air/soap mist, run 5 bbl sweeps, ret's hvy shale. Circ hole clean, underream f/3140'- 3166' ret's hvy shale

8-05-1999 Under ream from 3166'- 3274'(TD) w/15 bph air/soap mist. Blow well from TD w/15 bph air/soap mist, ret's hvy shale & lt coal. Blow dry w/air only. TOOH w/bit & dc's lay down same. Gauge well on 2" open line, all gauges dry & avg 582 mcfd. MU hanger & TIH w/4" pre-perf liner to TD & hang off @ 2986'. TOOH laying down w/2 7/8" DP. C/O to run tbg. Start in w/mill

8-06-1999 Continue in w/mill. RU power swivel. Mill out plugs from 3086'- 3133' & 3179'- 3272'. Hang swivel back & TOOH w/mill. TIH w/2 3/8" prod tbg, land @ 3251' KB. NDBOPs & blooie lines, NUWH. Gauge well on 2" line, all gauges dry & avg 582 mcfd. Release rig

ROSA UNIT #217 FRT

ROSA UNIT #217	7/31/1993	288
ROSA UNIT #217	8/31/1993	301
ROSA UNIT #217	9/30/1993	46
ROSA UNIT #217	10/31/1993	46
ROSA UNIT #217	11/30/1993	44
ROSA UNIT #217	12/31/1993	37
ROSA UNIT #217	1/31/1994	274
ROSA UNIT #217	2/28/1994	353
ROSA UNIT #217	3/31/1994	76
ROSA UNIT #217	11/30/1996	2
ROSA UNIT #217	7/31/1998	14
ROSA UNIT #217	8/31/1998 0:00	62
ROSA UNIT #217	9/30/1998 0:00	75
ROSA UNIT #217	10/31/1998 0:00	86
ROSA UNIT #217	11/30/1998 0:00	30
ROSA UNIT #217	12/31/1998 0:00	0
ROSA UNIT #217	1/31/1999 0:00	0
ROSA UNIT #217	2/28/1999 0:00	0
ROSA UNIT #217	3/31/1999 0:00	0
ROSA UNIT #217	4/30/1999 0:00	65
ROSA UNIT #217	5/31/1999 0:00	164
ROSA UNIT #217	6/30/1999 0:00	220
ROSA UNIT #217	7/31/1999 0:00	105
ROSA UNIT #217	8/31/1999 0:00	3398
ROSA UNIT #217	9/30/1999 0:00	3506
ROSA UNIT #217	10/31/1999 0:00	5110
ROSA UNIT #217	11/30/1999 0:00	4663
ROSA UNIT #217	12/31/1999 0:00	3269
ROSA UNIT #217	1/31/2000 0:00	2488
ROSA UNIT #217	2/29/2000 0:00	2608
ROSA UNIT #217	3/31/2000 0:00	3219
ROSA UNIT #217	4/30/2000 0:00	2831