

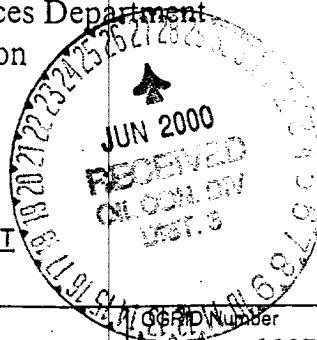
District I - (505) 391-6161
1625 N. French Dr
Hobbs, NM 88240
District II - (505) 7-8-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131
2040 S. Pacheco
Santa Fe, NM 87505

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 230		API Number 30-039-24397		
UL B	Section 31	Township 31N	Range 5W	Feet From The 1310'	North/South Line North	Feet From The 1330'	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: 11/30/1999	

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> .	
<u>Shirley L. Davis</u> Notary Public	
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 11/30, 99.

Signature District Supervisor <u>SS. S</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

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

1990 DEC - 6 PM 2:24
070 FARMINGTON, NM

Lease Designation and Serial No.
SF-078764

If Indian, Allottee or Tribe Name

If Unit or CA, Agreement Designation
ROSA UNIT

Well Name and No.
ROSA UNIT #230

API Well No.
30-039-24397

Field and Pool, or Exploratory Area
BASIN FRUITLAND COAL

County or Parish, State
RIO ARRIBA, 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) 561-6254

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1310' FNL & 1330' FEL, NW/4 NE/4, SEC 31 T31N R5W

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.)*

11-10-1999 MIRU, ND WH, NU BOP

11-11-1999 FIU, NU, pressure test, COOH w/ 104 Jts tubing, PU liner hanger mill, TIH, mill 6' of liner hanger, COOH

11-12-1999 COOH w/ hanger mill, TIH w/ spear, catch liner and pull free, COOH w/ liner, LD same, TIH w/ underreamer, underream 3169'-3330', COOH, LD underreamer, break down and load out Baker tools, TIH, tag @ 3320', CO @ 3330'-TD, returns-hvy 1/4" coal in black wtr

11-13-1999 CO @ 3330'-TD, returns-hvy coal fines in black wtr reducing to lite coal in dark gray wtr, dry well, flow test - 276 mcf/d, natural surge-3 hr SI - 550 psi, returns-gas and mist

11-14-1999 Natural surge 7 times, 1st surge 3 hrs to 720 psi, next 6 surges 2 hrs, 560 to 600 psi, returns-coal fines, gas and mist, TIH, tag @ 3324', CO @ 3330', returns-hvy coal fines in black wtr, 1/8" coal on sweeps

Continued on Back

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

Signed Tracy Ross
TRACY ROSS

Title Production Analyst

Date December 1, 1999

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

RECEIVED FOR RECORD

DEC 11 1999

11-15-1999 CO @ 3330'-TD w/ 900 scf air and 7-4 bph mist, returns-hvy 1/16" coal to fines in black to dark gray wtr, 1/4" coal on sweeps, returns reducing to lite fines in dark gray wtr. Dry well, LD 7 jts DP. Flow test - 522 mcf. Pressure up w/ air and mist to surge

11-16-1999 Surge 4 times w/ air & mist to 1250 psi, returns-med coal, gas & wtr. Well bridged on last surge, work through bridge @ 3100'. TIH, tag 3290'. CO 3290'-3330', returns-hvy to lite 1/8" coal in black to dark gray wtr. Dry well, flow test - 725 mcf, surge w/ air and mist

11-17-1999 Surge 2 times to 1250 psi, returns-hvy coal and wtr. Well bridged on 2nd surge, CO bridge @ shoe. TIH, tag fill @ 3322'. CO @ 3330', returns-hvy to lite 1/8" coal to fines in black wtr. Dry well, flow test - 740 mcf, surge 4 times w/ air and wtr to 1175 psi, (2.5 hr build), returns-med coal, gas and wtr

11-18-1999 Surge 4 times w/ air & mist to 1200 psi, returns-lite coal fines & large amt of wtr. TIH, tag 3302'. CO @ 3330' TD, returns-med to lite 1/8" coal to fines in dark gray wtr. Dry well, flow test - 725 mcf. COOH to DC's, surge once to 1100 psi, returns-hvy coal & black wtr

11-19-1999 Surge 1 times w/ air and mist to 1200 psi, returns-hvy coal, black wtr and gas, well bridged. CO bridges 225'-285', 1500'-1700' and 2300'-2600'. TIH, tag 3292'. CO 3292'-3330', returns-hvy reducing to lite 1/16" coal to fines in black to gray wtr. Dry well, flow test - 798 mcf. COOH to surge, surge 1 times to 1500 psi, returns-hvy coal, wtr and gas

11-20-1999 Surge 2 times to 1200 psi, returns-hvy coal, gas and wtr, well bridged on second surge, TIH, tag @ 3237', CO 3240'-3300', returns-hvy coal in black wtr, had to pick up and lay down next to last jt several times

11-21-1999 CO 3302'-3330' w/ 900 scf air and 5 bph mist, returns-hvy 1/16" coal and shale (99/01) to fines in black to dark gray wtr, returns reducing to med to lite around 0200 hrs, dry well for flow test

11-22-1999 Flow test - 1088 mcf. COOH to DC's, surge 5 times w/ air & mist to 1100-1400 psi, (2.5 hr build), returns-hvy coal, black wtr & gas

11-23-1999 Surge w/ air mist to 1150 psi, well bridged off, TIH, CO bridge 1300'-1420', tag @ 3240', CO 3240'-3330', returns-hvy to lite 1/16" coal to fines in black to dark gray wtr, dry well, flow test - 1160 mcf

11-24-1999 COOH to DC's, surge natural 5 times 660-690 psi (3hr builds), returns-gas and mist on 1st three, med coal on 4th, also bridged momentarily, lite coal on last

11-25-1999 TIH, CO 3270'-3330', returns-hvy reducing to lite 1/16" coal to fines in black to dark gray wtr, dry well, flow test - 1175 mcf, COOH to DC's, surge 1 time to 800 psi w/ air mist, returns-hvy coal in black wtr, ran coal for 45 min

11-26-1999 Surge 6 times w/ air and mist to 975 mcf (1.75 hr build), returns-hvy coal, wtr and gas, TIH, tag 3250', CO 3247'-3302', returns-hvy 1/16" coal to fines in black wtr

11-27-1999 CO 3272'-3330', returns-hvy to lite 1/16" coal to fines in dark gray wtr, dry well, flow test - 1378 mcf, COOH to DC's, surge 6 times w/ air and mist to 900 psi, (1.75 hr build), returns-med to lite coal, wtr and gas 7300

11-28-1999 Surge 5 times w/ air and mist to 1050 psi (1.5 hr build), returns-hvy coal, wtr and gas, surges 3 & 5 bridged, TIH, CO bridges, CO 3230'-3302', returns-hvy 1/16" coal to fines in black wtr

11-29-1999 CO 3302'-3330', returns-hvy 1/16" coal to fines in black to dark gray wtr reducing to lite 1/16" to fines in gray wtr. Dry well, flow test - 1378 mcf. COOH, PU and run 5 1/2" liner, ran 5 jts (229.85') 5 1/2", 17#, N-80, 8rd, USS w/ LA set shoe on bottom @ 3329' and TIW JGS liner hanger top @ 3099', LDDP

11-30-1999 RU Blue Jet and perforate the following intervals w/ 4 SPF-.75" hole, 3189'-3194', 3242'-3252', 3286'-3296', and 3310'-3328', total of 43' of perforations, 172 holes. TIH w/ 104 jts 2 3/8" tubing (3288.45') 4.7#, J-55, EUE 8rd set @ 3300.45' w/ expendable check on bottom and 1.81" ID F-nipple @ 3267'. ND BOP's, NU master valve, pump off expendable check, rig released 1800 hrs 11/29/99

ROSA UNIT #230 FRT

ROSA UNIT #230	10/31/98 0:00	17126
ROSA UNIT #230	11/30/98 0:00	5658
ROSA UNIT #230	12/31/98 0:00	11841
ROSA UNIT #230	1/31/99 0:00	14736
ROSA UNIT #230	2/28/99 0:00	12931
ROSA UNIT #230	3/31/99 0:00	15194
ROSA UNIT #230	4/30/99 0:00	12773
ROSA UNIT #230	5/31/99 0:00	16233
ROSA UNIT #230	6/30/99 0:00	11369
ROSA UNIT #230	7/31/99 0:00	11752
ROSA UNIT #230	8/31/99 0:00	8367
ROSA UNIT #230	9/30/99 0:00	7320
ROSA UNIT #230	10/31/99 0:00	9379
ROSA UNIT #230	11/30/99 0:00	2039
ROSA UNIT #230	12/31/99 0:00	24189
ROSA UNIT #230	1/31/00 0:00	30285
ROSA UNIT #230	2/29/00 0:00	29609
ROSA UNIT #230	3/31/00 0:00	32224
ROSA UNIT #230	4/30/00 0:00	25591