

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMSF078772

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
ROSA UNIT 164B

2. Name of Operator  
WILLIAMS PRODUCTION CO LLC  
Contact: TRACY ROSS  
E-Mail: tracy.ross@williams.com

9. API Well No.  
30-039-27242-00-X1

3a. Address  
7415 E MAIN STREET  
FARMINGTON, NM 87402  
3b. Phone No. (include area code)  
Ph: 918.573.6254  
Fx: 918.573.1298

10. Field and Pool, or Exploratory  
BASIN DAKOTA

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 1 T31N R6W NWSE 1475FSL 1235FEL

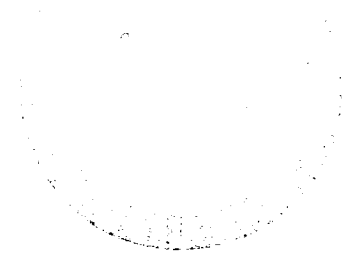
11. County or Parish, and State  
RIO ARRIBA COUNTY, NM

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Drilling Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

NO REMARK PROVIDED



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

Electronic Submission #15220 verified by the BLM Well Information System  
For WILLIAMS PRODUCTION CO LLC, sent to the Farmington  
Committed to AFMSS for processing by Adrienne Garcia on 10/24/2002 (03AXG0140SE)

Name (Printed/Typed) TRACY ROSS

Title PREPARER

Signature (Electronic Submission)

Date 10/17/2002

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

**ACCEPTED**

ADRIENNE GARCIA  
Title PETROLEUM ENGINEER

Date 10/24/2002

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

**NMOCD**

## ROSA UNIT #164B DRILLING RECAP

09-03-2002: MIRU. Drilled rathole and mousehole. Spudded well @ 2000 hrs 9/2/02. Drilling surface @ 288'KB.

09-04-2002: Drill 14-3/4" surface to 457' KB. TOOH for bit # 2. Finish drilling 14-3/4" surface to 536' KB. RU csg crew and ran 11 jts 10-3/4", 40.5#, J-55, 8 rd., ST&C casing. Set @ 532' KB. RU BJ Services and held safety meeting with all personnel. Cemented csg as follows: pumped 20 H<sub>2</sub>O ahead followed with 460 sx (649 cu/ft) 109 bbls of 14.5 ppg Type III cement with 2% CaCl<sub>2</sub> and 0.25 lbs/sx Cello Flake. Displaced with 48.5 bbls H<sub>2</sub>O. SD and SI the manifold with 210 psi. Had good circulation throughout the entire job and circulated 52 bbls of good thick cmt to surface. Plug down @ 5:15 pm. 9/3/2002. WOC, backed out landing jt @ 9:15 pm and began NU and pressure test BOP's to 400 psi.

09-05-2002: Pressure test BOP's to 400 psi, all tests held OK. MU, oriented & tested directional tools. TIH with remainder of BHA. Tagged cement at 477' KB. Drilled cement, plug and shoe joint. Drill to 1295' KB.

09-06-2002: Drilled 9-7/8" hole to 1295' KB. Hole sloughed in on connection. Worked tight hole (Unable to circulate or rotate pipe). Worked stuck pipe while waiting for wireline free point truck & fishing tools to arrive (bit at 1264'). PU surface jars & jarred down on stuck pipe (no success). LD surface jars and ran free point. Free point indicates that the pipe is free at the MWD hang-off sub (1200' KB). Back off shot run and shot at 1141' KB. Backed off one DC above top monel DC. Circulated and conditioned mud to 36 vis., 16 WL, 8.7 wt. TOOH & LD shot off DC. MU screw in sub, bumper sub, jars, (8) 6" DC's, accelerators, and TIH to the top of the fish @ 1141'KB. Circulated on top of fish. Screw into fish. Jar on fish. Have only moved fish up the hole 8 feet.

09-07-2002: Backed out of the fish. Top of the fish is @ 1,133' KB. Circulated and condition mud and hole. Trip out, laid down screw in fishing assembly and picked up wash-over assembly. Tripped in the hole with 8" wash-over assembly. Washed over fish with 8" wash-over pipe to 1,233' KB. Circulated and conditioned mud to 55 vis., 11 WL, 8.7 wt. Tripped out of the hole. Made up screw in sub, bumper sub, jars, [8] 6" DC's, accelerators, and tripped to the top of the fish @ 1,133'KB. Circulated on top of fish. Screw into fish. Jar on fish 2-1/2 hrs. and did not move fish. Backed out of the fish and tripped out of the hole. Laid down screw in fishing assembly and picked up 1 jt. 9" wash-over pipe, XO sub and 3 jts. 8" wash-over pipe, 2- XO subs, jars, [8] 6-1/2" DC's, slinger & tripped in the hole. Washing over the 8" motor.

09-08-2002: Finish washing over the fish to 1252' KB. TOOH with 9" wash pipe assembly. Made up screw in sub, bumper sub, jars, [8] 6" DC's, accelerators, and tripped to the top of the fish @ 1,133'KB. Circulated on top of fish. Screw into the fish. Jarred on the fish 1-3/4 hrs. Fish jarred free. TOOH, LD fish and the fishing & wash-over assemblies. Serviced the rig, did a derrick inspection and held a safety meeting. Slipped and cut 300' of drilling line. Picked up and oriented new Sperry-Sun drilling assembly. TIH with BHA and 20 jts 4-1/2" DP. Laid down 15 jts excess 4-1/2" drill pipe use for fishing job. Finished tripping in the hole. Ream 40' to bottom (hard reaming). Drill to 1333 KB.

09-09-2002: Drill and survey to 1369' KB. Ream 15' of slide drilling. Drill to 1687' KB. Trip to casing shoe to repair pump. Rig repair (weld up wash out on fluid end of #1 mud pump). Trip in the hole after repairs to mud pump. Ream 15' to bottom. Drill to 1,730 KB.

09-10-2002: Drill to 2060' KB. Mix and pump bar pill. TOOH for bit #4. Change bit and trip in the hole. Ream 90' to bottom.

09-11-2002: Drill to 2318' KB. Mix and pump bar pill. Trip out for bit #5. Change bit and trip in the hole. Ream 400' to bottom.

09-12-2002: Drill to 2804' KB. Trip to casing shoe to repair pump. Rig repair (weld up wash out on fluid end of #1 mud pump). Trip in the hole after repairs to mud pump. Ream 125' to bottom. Drill to 2955' KB.

09-13-2002: Drill to 2980'KB. Check surface equipment & trip for pressure loss in drill string. Change out Sperry-Sun mud motor. Oriented new motor to MWD tools. TIH, wash through bridge @ 2060'KB. Drill to 3155'KB.

09-14-2002: Finish working on pump. Drill to 3161'KB. Trip to casing shoe to repair pump. TIH after repairs to mud pump. Wash 40' to bottom. Drill to 3345'KB.

09-15-2002: Drill to 3595'KB. Install rotating head rubber in Grant rotating head. Drill to 3817'. Mix and pump barite pill and TOOHP for bit #6 and MWD. Change bits and MWD. Orient MWD to motor. TIH with bit #6.

09-16-2002: Finish TIH with bit #6. Ream 160' to bottom. Drill to 4240'KB.

09-17-2002: Finish drilling to 4535'KB. Circulate bottoms up and pump barite pill. Trip out and laid down directional tools. MU bit #6, bit sub, [8] 6" DC's, [18] 4-1/2" HWDP and trip in the hole. LD 15 jts of DP and ream 465' to bottom. Circulate bottoms up and prepare to LD DP & DC's at TD.

09-18-2002: Circulate bottoms up and pump barite pill. LD DP, heavy weight drill pipe & drill collars. RU csg crew. Begin running 7-5/8", 26.4#, K-55, 8 rd., ST&C casing

09-19-2002: Finished running 7-5/8", 26.4#, K-55, 8 rd, ST&C csg. Landed csg @ 4528' KB. Float @ 4482' KB. RU BJ Services, held safety meeting with all personnel. Circulated csg with rig pump until BJ got a flat tire repaired and bulk cement trucks spotted and RU. Pressure tested lines to 3500 psi. Cemented csg as follows. pumped 20 bbl H<sub>2</sub>O ahead. Lead with 655 sx (1364 cu. ft.) 243 bbls of 12.1 ppg Premium Lite FM w/ 8% gel and 1/4 lb/sx Celloflake. Tailed with 420 sx (589 cu. ft.) 105 bbls of 14.5 ppg Type III w/ 1% CaCl<sub>2</sub> and 1/4 lb/sx Celloflake. Displaced plug with 211.5 bbl H<sub>2</sub>O. Bumped plug with 1980 psi @ 12:25 pm 9-18-02. Plug held ok. Had good returns throughout the job and circulated 193 bbls of cement to surface. WOC, ND BOP's. Set slips on 7-5/8" csg with 74K. Cut & dress off 7-5/8" csg. Install "B" section and test secondary seals to 1500 psi. NU BOP's on "B" section. Test BOPE (All BOPE and casing tested to 300 psi low for 10 min / 1500 psi high for 30 min) Change over to air drilling equipment

09-20-2002: Change over to air drilling equipment. Move tri-collar and 4-3/4" DC's onto pipe racks, strap and caliper. (Very muddy conditions on location). MU bit #7, tri-collar, float sub, 4-3/4" Monel DC and run BHA in the hole. TOOHP to work on Grant rotating head. TIH, unload 3-1/2" DP from pipe baskets and strap. PU & TIH w/ BHA and 3-1/2" DP. Unloaded the hole with air. Unload 3-1/2" DP from pipe baskets and strap. Continue PU 3-1/2" DP and running in the hole. Tagged the top of cement @ 4462'KB. Drill cement float equipment, shoe joint and shoe with air mist. Drill to 4544'KB. Circulated hole clean, pumped 10 gallons of liquid soap with 10 gallons of water and begin blow hole with air to dry up well bore

09-21-2002: Circulate & blow hole with air to dry up well. Drill 6-3/4" hole to 5575' KB (Dusting).

09-22-2002: Drill 6-3/4" hole to 6525' KB (Dusting).

09-23-2002: Drill 6-3/4" hole to 7885' KB (Dusting).

09-24-2002: Drill 6-3/4" hole to 8139' KB (Dusting). Circulate and blow hole clean for bit trip. Trip out of the hole to lay down tri-collar and bit. Break bit #7 and laid down tri-collar, made up bit #8, fire float sub, monel DC, [17] 4-3/4" DC's, fire stop sub, [1] 4-3/4" DC. Tripped in the hole with bit #8. Drill 6-3/4" hole to 8425'KB (Dusting).

09-25-2002: Drill 6-3/4" hole to 8641'KB (TD). Circulate bottoms up. Trip for string float. Circulate and blow hole clean. Trip out of the hole (lay down drill string). Change to 5-1/2" rams and RU csg crew. Ran 195 jts. 5-1/2", 17#, N-80, 8 rd casing. Landed @ 8663' KB. Float collar @ 8638' KB. Marker jts @ 8163' MD & 5044' MD. RU BJ Services equipment to circulate casing and RD csg crew. Circulate casing and finish rigging up BJ Services equipment

09-26-2002: Circulate casing with air and finish rigging up BJ Services, held pre-job safety meeting with all personnel. Cemented csg as follows: pumped 10 bbls gelled water ahead, with 10 bbls fresh water spacer. Mixed and pumped 30 sx (80 cu. ft.) 14 bbls of 11.5 ppg Premium Lite High Strength FM, 2% KCL, 0.2% R-3, 0.3% CD-32, 1% FL-52, scavenger slurry. Followed with 230 sx (467 cu. ft.) 83 bbls of 12.5 ppg Premium Lite High Strength FM, 2% KCL, 0.2% R-3, 0.25 lbs/sack Cello Flake, 0.3% CD-32, 1% FL-52, 4% Pheno Seal. SD, dropped plug, washed pumps and line. Displaced with 201.2 bbls water. Bumped plug with 550 psi. Bled off pressure, float held OK. ND BOPE, set casing slips with 85K hook weight. Finish ND & clean pits. **Rig released at 1500 hrs. 9/25/02**