

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

5. Lease Designation and Serial No.
SF-078767

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
ROSA UNIT

8. Well Name and No.
ROSA UNIT #125

9. API Well No.
30-039-25144

10. Field and Pool, or Exploratory Area
IGNACIO BLANCO DK/MV

11. 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 37-4, TULSA, OK 74101 (918) 588-4592

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
970' FNL & 1190' FEL, NW/4 NE/4 SEC 13-31N-6W

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 DAKOTA

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ 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.)

RECEIVED
MAY - 7 1998
OIL CON. DIV.

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.)*

4-05-1998 MOL and RU. Spot all equipment. Fill rig pit.

4-07-1998 Drove to location. Blew well down. 1500# on backside. NDWH. NU BOP. Unseat donut and tally out of hole. TIH with tbg and scraper to 7890'. TOH. TIH with tbg and cmt retainer. Set @ 7881'. Rig up BJ. Load with water and PT tbg to 3500#. PT csg to 3340#. P&A Dakota. Cmt Dakota with 65 sx class "H" below retainer and 10 sx above retainer. Sting out of retainer and TOH with 60 stands. Secure location. SDON.

4-08-1998 Start rig & TOH w/ tbg. RU Blue Jet & run CBL/ GR/CCL from 6203' to 4200'. Cement top @ 5650' - no cement across CH/Menefee. TIH & shoot squeeze 3 holes @ 5120'. Load hole & break down @ 800#. Pumped into formation @ 2-1/2 to 2-3/4 bpm @ 1200#. Drain pumps & lines. Secure location & SDON.

4-09-1998 RIH w/ tbg. & set packer @ 4897'. RU BJ Services & establish rate - 1-1/2 bpm @ 1000#. Load back side & pressure up to 500#. Squeeze w/ 50 sx. Class "B". Pumped cement at 1 to 1-3/4 bpm @ 1500# - 2000#. Shut in w/ 2750# on squeeze. WOC. Check flow back - none. Release packer & pull 10 stands slow. TOH w/ tbg. & packer. RU Blue Jet & shot 3 squeeze holes @ 4900'. Establish rate 4-1/2 - 5 bpm. RIH w/ tbg. & set packer. RD Blue Jet & RU BJ Services. Had trouble w/ valves. Squeeze perms. @ 4900' w/ 50 sx of Class "B" neat @ 2-1/2 bpm @ 1000# - 1700#. Clear packer & SD. Squeeze cement to 2000# w/ last 4 bbls of cement. RD BJ & SD w/ 2000# on well. Secure location & SDON.

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

Signed Susan Griguhn
SUSAN GRIGUHN

Title CLERK Date May 2, 1998

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

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.

4-10-1998 Thaw pumps, lines & well head. Release packer & TOH. RIH w/ 2-3/8" tbg. & 3-7/8" bit. Tag up on cement @ 4832'. Circulate clean. Pressure test casing to #2500, broke back. Pump into formation @ 1/4 - 1/2 bpm @ 1600#. TOH & remove bit. RIH w/ tbg. open ended to 4896'. Change out both casing valves (both bad). RU BJ Services. Establish rate 0.3 bpm @ 1650#. SD & mix cement. Spot 20 sx of Class "B" neat @ 4896'. Close rams & squeeze 1-1/2 bbls into formation. Max pressure: 2800#. Shut well in & wash up pumps & lines. After 35 min. pressure still 2800#.

4-11-1998 Bleed off 1700# of pressure. TOH w/ tbg. Make up 3-7/8" bit & TIH. Tag up on cement @ 4710'. Break circulation. Drill out squeeze & circulate hole clean. Pressure test to #3200 for 15 min. - held OK. RIH & tag up on cement @ 5011'. Break circulation & drill out squeeze. Pressure test to 3250# for 15 min. - held OK. TIH to 6250' & circulate hole clean. TOH. Secure location & SDON.

4-12-1998 RU Blue Jet. RIH with logging tool. Unable to get past 2740'. TOH and remove centralizers, still unable to get down. RIH with 3-7/8" gauge ring to 6700'. RIH with logging tool, still would not go down. TOH and ran gauge on bottom of logging tool. Ran logs from 5500' to 4750'. TIH with tbg to 6067' and spot 500 gals of 15% HCl and TOH. RU Blue Jet and perforate Point Lookout with 3-1/8" gun at the following depths: 5803', 06', 09', 12', 36', 39', 42', 45', 48', 50', 59', 67', 70', 73', 77', 81', 84', 87', 91', 95', 99', 6901', 21', 23', 25', 6014', 47' and 67'. Total of 28.36" holes. Ball off Point Lookout with water and 42 RCN neutral density ball sealers. Ball action good and complete @ 3100#. Test lines and RU for frac while running junk basket. Recovered 42 balls with 41 hits. Frac Point Lookout with 82,000# of 20/40 Arizona sand. Pumped 357 Bbl pad of slick water @ a rate of 65-80 BPM and 2810# - 2710#. Pumped sand in 1/2 - 2 PPG stages. ATP = 2350#, MTP = 2810#, AIR = 83 BPM, MIR = 85.5 BPM. Job complete @ 13:18 hrs 4-11-1998. Total fluid pumped = 2136 Bbls. RU Blue Jet and RIH with CIBP to 5700'. Set plug and TOH. Test plug with pump truck, did not test. Call for pkr. RIH with tbg and found leak @ 4900'. Pumped into formation @ 4.5 BPM and 2200#. Secure location and SDON.

4-14-1998 TIH with tubing and packer. Set packer at 4703'. Wait on BJ. Rig up BJ and pressure test lines to 4500#. Load annulus and pressure to 500#. Squeeze hole at 4900' with 25 sx thick set with 4# gilsonite/sk and 75 sx Cl "B" neat cement. Pumped cement at 2 bpm at 2000#. Displaced with fresh water. Hole squeezed off with 7 sx of cement in the casing and 93 sx outside. Final squeeze pressure was 2800#. Wash pumps and lines. SI well to WOC.

4-15-1998 Start rig. Found well with 1700#. Bleed off pressure. Release and TOH with packer. Pick up 3-7/8" bit and TIH. Tag cement at 4735'. Break circulation and drill cement to 4915'. Circulate hole clean. Pressure test to 3200# - held OK. TOH with bit. Rig up Blue Jet and run CBL from 5100' - 4700'. Cement is OK. RIH with perf gun and set at the bottom perf. Pressure well to 1250# and shot bottom hole. Shot remaining 22 0.36" perf holes @ the following depths: 5234', 39', 43', 47', 51', 55', 59', 63', 67', 71', 75', 79', 5333', 36', 39', 80', 89', 5516', 18', 52' and 54'. Well on a vacuum.

4-16-1998 RU BJ Services. Ball off Menefee/Cliff House. Ball action good & complete @ 3100#. RIH w/ junk basket & knock balls off. Frac Cliff House/Menefee w/ 78,540# of 20/40 Arizona sand. Pumped 476 bbl pad of slickwater @ 40 bpm @ 2200#. Pumped sand in 1/2, 1, 1-1/2 & 2 ppg stages. Total fluid: 2,226 bbls. Job complete @ 0804 hrs. 4/15/98. ISIP: 100#, 5 min: 0#. ATP: 2,023#, MTP: 2,650#, AIR: 63 bpm, MIR: 64.5 bpm. RIH w/ RBP & set @ 5080'. RIH w/ dump bailer & dump sand on top of plug. RIH w/ perf. guns - would not go to bottom. RU to circulate out sand. TIH & circulate out sand. TOH. RIH w/ perf. guns & perforate over balanced - 1200#. Perfs: 4798, 99, 4800, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 4881, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94. Total of 38 holes (EHD: 0.36"). Ball off Lewis w/ 67 balls in water. Good ball action & complete @ 2900#. RIH w/ junk basket & recover 66 balls w/ 30 hits. Frac Lewis w/ 84,480# of 20/40 in 60 quality foam w/ 30# x-link gel. Pumped sand in 1, 2, 3 & 4 ppg stages. Job complete @ 1550 hrs. 4/15/98. ISIP: 1,726#, 5 min: 1,458#. 10 min: 1,450#. 15 min: 1,430#. ATP: 1,810#, MTP: 2,680#, AIR: 41 bpm, MIR: 43 bpm. Total fluid 453 bbls. Open to flow back @ 1600 hrs. @ 1730 hrs. pressure down to 1,100#.

4-17-1998 Lewis flowing 400# thru 1/4" choke. Pressure increased to 750# making sand & water. Pressure down to 400# making heavy sand & water. Pressure fell to 250# but still making heavy sand & water. Change choke to 1/2". Flowing steady mist of water & sand. Turn over to night watch.

4-18-1998 Open choke. Flow through 2". Pressure decreased to 200#. Gas will burn, heading and flowing open to blooie line. RIH with 2-3/8" tbg open ended and tagged sand @ 4850'. CO sand with compressor to top of RBP @ 5080'. Ran sweeps every 1/2 hr. Pulled up to 2450'. Secure location and shut well in for over night build up.

4-19-1998 Found well with 700 #. Buildup pressure in 14 hours. Blow well down to 75 - 100# and open through blooie line. TIH and tag sand at 5075'. Clean out to RBP. POH to 4894' and blow with compressor. Recovering small amount of sand and no water. Ran soap sweep and killed tubing. POH to 4740'. Ran soap sweep. SI well for 36 hour build up.

4-21-1998 Found Lewis w/ 950#, blow tbg. down to 100#. Take pitot guage: 8# through 2" = 1,756 mcf. Let well flow & take pitot guage: 980 mcf. Take 2 more readings 30 min apart - holding steady @ 980 mcf. RIH w/ tbg. & tag RBP - no fill (had to kill well twice, making water & sand). TOH & PU retrieving head. TIH & latch onto RBP. TOH w/ RBP. RIH to liner top & flow well w/ compressor. Making heavy sand & water. Turn over to night watch.

4-22-1998 TIH and tag sand at 5471'. Clean out sand to 5700'. Ran soap sweeps at 30 min. intervals. Less sand with each sweep. Ran soap sweeps at 1 hr. intervals. No sand recovery at 1730 hrs sweep. POH to 5000'. Gauged well at 1948 MCFD. Turned well over to watchman.

4-23-1998 TIH and tag sand at 5690'. Clean out sand to 5700' and ran two soap sweeps. TOH and pitot test well at 1948 MCFD. Pick up mill and TIH. Drill CIBP. Let head blow off lower zone. Continue pushing CIBP to 6510'. TOH and remove mill. TIH open ended and ran soap sweep at 5000'. Secured location and turned well over to watchman.

4-24-1998 TIH and clean out sand to 6510'. Well quit making sand at 0930 hrs. but continued blowing well with compressor until 1100 hrs. TOH and laid down extra tubing. Pitot gauged well at 2416 MCFD. Rig up Blue Jet and set CIBP at 4975' to isolate and test Lewis. TIH and landed 2-3/8" tubing at 4895'. Unload small amount of water. Rig down rig and equipment. FINAL REPORT.