

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.
NMSF-078764
6. If Indian, Allottee or Tribe Name
7. If Unit or CA, Agreement Designation

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 25-2, TULSA, OK 74101 (918) 573-6254

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2465' FSL & 1715' FEL, NW/4 SE/4 SEC 29-T31N-R05W

8. Well Name and No.
ROSA UNIT #15B
9. API Well No.
30-039-29505
10. Field and Pool, or Exploratory Area
BLANCO MV
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
X Subsequent Report	Recompletion
Final Abandonment	Plugging Back
	Casing Repair
	Altering Casing
	Other <u>Completion</u>
	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.)*

09-27-2005 MIRU

09-28-2005 TIH w/ 4.5" gauge ring, TIH & perf PLO from 5742' to 6074' w/ 3 1/8" select fire guns w/ 49 x 0.38" x 120 deg phase x 30" pent x 11 gram x 1 spf as follows: 5742', 46', 49', 52', 68', 72', 76', 80', 84', 88', 92', 96', 5800', 04', 08', 13', 18', 22', 26', 30', 34', 39', 44', 49', 57', 61', 70', 78', 83', 91', 96', 5900', 02', 06', 13', 19', 23', 31', 43', 58', 63', 67', 71', 95', 6012', 24', 38', 54' & 74'. Perforated under 2000#, pumping into formation at 6 bph at 1200 psi. MIRU BJ frac equipment, broke down & balled off PLO zone as follows: broke down at 1100 psi, pumped ahead with 24 bbls 15% HCl, established 28 bpm rate at 1000 psi, no ball off. Max pressure = 2856 psi, pumped 24 bbls 15% HCl & 215 bbls slick water. TIH with junk basket & retrieved frac balls, recovered 5 balls all hits. Frac PLO zone from 5742' to 6074' = 49 holes with BJ SW Lite Prop frac as follows: pumped 238 bbls SW pad at 95 bpm @ 2500 psi @ start of pad and 104.6 bpm rate at 2499 psi @ end of pad. Pumped 3 - 14/30 Lite Prop sand stages of 0.1#, 0.2#, 0.3# & 1 stage of 1.0# 20/40 Brady sand stage @ 104 bpm rate @ 2600 psi at start of sand stages & 75 bpm rate @ 1900 psi @ end of sand stages (dropped rate as pump lines started jumping at end of Lite Prop stages). Flushed to top perforation @ 5742' with 182 bbls slick water @ 75 bpm rate @ 1900 psi @ start of flush & 30 bpm rate at 975 psi at end of flush. ISIP = 486#, 5 min = 320#, 10 min = 250#, 15 min = 207#. Avg rate = 104 bpm, avg pressure = 2597 psi. Min rate = 98.5 bpm, min pressure = 2383 psi. Max rate = 106.5 bpm, max pressure = 3604 psi. Total Lite Prop pumped = 10,400#.

Continued on Back

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

Signed Tracy Ross

Title Sr. Production Analyst

Date May 10, 2006

(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.

FARMINGTON FIELD OFFICE

5-
NH000

09-28-2005 cont. Total Brady pumped = 3,200#. Total sand into formation = 13,600#. Total water pumped = 1977 bbls. Total 15% HCL pumped = 24 bbls. Frac gradient at end = .52. Let stand for 30 mins before running CIBP to let sand settle. TIH with CIBP, set @ 5670'. Pressure tested @ 3500 psi. Perf CH/MEN zone from 5247' to 5645' w/ 3 1/8" select fire guns, shot 40 x 0.38" x 120 deg pha x 30" gent x 1 SPF as follows: 5247', 54', 64', 75', 82', 85', 96', 5300', 04', 10', 5476', 79', 90', 5500', 06', 13', 16', 18', 23', 30', 36', 67', 70', 73', 76', 83', 89', 92', 95', 98', 5612', 15', 18', 21', 24', 27', 34', 39', 42' & 45'. Perf under 2000# no break down. Broke down @ 3900 psi, pumping 10 bpm @ 3000 psi, pumped ahead with 10 bbls 15% HCl @ 25 bpm @ 2600 psi. Pumped 5 bbls into formation & let stand for 30 min pressure dropped from 2600 psi to 600 psi. Balled off with 14 bbls 15% HCl with 60 1.3 ball sealers. Established 31 bpm rate @ 1725 psi, balled off @ 3500 psi, balled off solid. TIH w/ junk basket to retrieve balls, recovered. Frac CH/MEN zone from 5247' to 5645' with BJ slick water Lite Prop frac as follows: Pumped 238 bbls slick water pad at 85 bpm at 2500 psi at start of pad and 99.5 bpm at 2500 psi at end of pad. Pumped 3 x 14/30 Lite Prop sand stages of 0.1#, 0.2#, 0.3# & 1 x 20/40 Brady sand stage of 1.0# @ 100 bpm rate @ 2433 psi @ start of sand stages & 93.1 bpm rate @ 2485 psi @ end of sand stages. Flushed to top perf at 5247' with 174 bbls slick water @ 93.1 bpm rate @ 2485 psi @ start of flush & 38 bpm rate @ 900 psi @ end of sand stages. ISIP = 284#, 5 min = 209#, 10 min = 185#, 15 min = 170#. Avg rate = 94 bpm, avg press = 2635 psi. Min rate = 83.3 bpm, min pressure = 2308 psi, max rate = 100.9, max pressure = 3758 psi. Pumped 9320# 14/30 Lite Prop & 3180# 20/40 Brady sand for a total of 12,500# sand pumped into formation. Pumped a total of 1952 bbls water & 24 bbls 15% HCl. Frac gradient at end = .49. SWI @ 2100 hrs. RD BWWC & BJ equipment, SDFN.

09-29-2005 Csg psi = 0. ND frac Y & frac valve. NU BOP & function test. NU blooie line & evaporation system. MU 3 3/4" bit, staged in hole with same on 2 3/4" production tbg, start unloading frac water. Tagged top of sand fill @ 5606', broke circulation with 10 bph air/soap/corrosion inhibitor, circulated sand fill from 5606' to 5620', very hard. Circulated & unloaded water, made soap sweeps, TUH, hung off above liner top. RU to flow back through blooie line. Flaring gas, recovering 10' flare, SDFN.

09-30-2005 Recovered no sand & light water, flaring with 7' flame. TIH w/ tbg & bit, tagged up solid @ 5620', NU power swivel & air pack. Broke circulation with 10 bph air/soap/corrosion inhibitor. Displaced 45 bbls frac water with air. Drilled @ 5620', very hard, heavy torque, got bit moving, drilled from 5620' to CIBP @ 5670'. Drilled out CIBP & circulated unloading frac water, recovered 200 bbls frac water. TIH w/ tbg, tagged top of sand fill @ 6075', PLO perfs are open. CO sand fill from 6075' to 6168', unable to drill past 6188' (PBTD). Circulate & unloading 25 bph frac water. ND with power swivel, TOO H w/ tbg & bit. MU mule shoe, 1 jt tbg, SN/PO check & TIH with same on 2 3/4" tbg, tagged up at PBTD @ 6168'. Broke circulation with air, unloaded well bore w/ air. Displaced 50 bbls frac water. Circulated with air, recovering 25 bph frac water. TUH with tbg, hung off @ 5700', above PLO perfs. RU to circulate with air & flow back overnight through blooie line, SDFN.

10-01-2005 Circulating with air, recovering 25 bph frac water & no sand. Flaring & evaporating pit water. Circulating with air in 3 hr intervals & flowing back for 2 hr intervals. Well starts to load up after 2 hrs flowing back on its own. Frac water recovery averaging 25 bph with no signs of sand. SDFN.

10-02-2005 Circulating with air. Recovering 20 bph frac water and no sand. Flaring and evaporating pit water. Circulating with air for 3 hour intervals and flowing back for 2 hour intervals. Well starts to load up after 2 hours flowing back on its own. Turn well to night crew. Frac water recovery averaging 20 bph with no signs of sand.

10-03-2005 Circulated w/ air and flowed back over night. Recovered frac water and formation water with no sand. Recovering 20 bph formation water. TIH w/ tbg, tagged at 6168', no sand entry. Broke circulation with air. Displaced 40 bbls formation water. Circulated with air and recovered 20 bph formation water. Flowed back with out air boost and recovered no water. Flowed back through 2" choke to purge air from well bore and equalize casing pressure. Gas production started dropping after 2 hrs flowing back on its own -- loading up with water. Land 187 jts (6058") 2 3/4", 4.7#, J-55, 8rd EUE tbg @ 6074' as follows: mule shoe, 1 jt tbg, SN @ 6040', 186 jts tbg. Tbg landed @ bottom perforation. ND blooie line, mud cross, BOP, NU WH. Pressure tested WH & Xmas tree @ 3500 psi. Solid 30 minute test. Rigged air pack, pumped 4 bbls produced water and dropped pump off ball. Pumped off expendable check at 1300#. Blow around and recovered load water. ND air pack and circulating pump. Turn well to production department, release rig @ 1600 hrs, 10/3/05, move to Rosa Unit #10C

10-06-2005 MIRU. TIH w/ swab, located top of fluid @ 2500'. Made 21 swab runs @ 2100', recovering 1000' fluid each run. Recovering 4 bbls fluid each run. Recovered 84 bbls water total. Water clean w/ light tan color, no solids recovered. SDFN.

10-07-2005 TIH w/ swab, located top of fluid @ 2500'. Swabbed pulling loads from 4500', made 20 runs & recovered 80 bbls water. No sign of gas. Water mostly clear & very salty, no solids in returns. Tbg had 30 psi after over night SI. Csg pressure @ 0730 hrs = 780 psi. Csg pressure @ 1600 hrs = 720 psi. Fluid level @ 1600 hrs = 2600', lowered fluid 100'. Took water sample to BJ to be tested for frac water or formation water. SDFN.

10-11-2005 Well SI Saturday, Sunday & Monday. Roustabout crew working on flow line. Csg = 725 psi, tbg = 20 psi. TIH w/ swab & located fluid level @ 2000'. Made 23 swab runs from 4300', recovered 92 bbls water. Well goes on vacuum after each run. No sign of gas. Swabbed fluid level from 2000' to 2300'. Csg pressure at end = 750 psi. Water recovered almost clean, took sample to BJ to be analyzed. SDFN.

10-12-2005 Csg = 750 psi, tbg = 30 psi. TIH w/ swab, located top of fluid @ 2200'. Made 25 swab runs, pulling from 4300', recovering almost clear water w/ no sign of gas & no solids. Well goes on vacuum after each run. Fluid level at end of day @ 2300'. SDFN

10-13-2005 CSG = 760psi, tbg= 30 psi. TIH w/ swab, locate top of fluid @ 2200'. Made 22 swab runs, pulling water from 4300', recovering 4 bbls water per run. Swabbed a total of 88 bbls formation water. Fluid level at end of swabbing @ 2300'. Csg pressure @ 770 psi & tbg on vacuum after each swab run. Recovering clear water with no signs of gas or solids. Sample of water to BJ for test. SDFN.

10-14-2005 Csg = 770 psi, tbg = 20 psi. TIH w/ swab, locate top of fluid @ 2200'. Made 20 swab runs, recovered 4 bbls per run. Recovered 80 bbls water total. Pulling water from 4300', no sign of gas or solids. Recovering almost clear water. Well goes on vacuum after each run. SDFN

10-17-2005 Csg = 780 psi, tbg = 30 psi. TIH w/ swab, locate top of fluid @ 2100'. Made 20 swab runs, recovered 4 bbls per run. Recovered 80 bbls water total. Fluid level at end of swabbing @ 2200'. Pulling water from 4200', no sign of gas, recovered water clear with black tint, no solids. Csg pressure at end of swabbing = 790 psi. SDFN.

10-18-2005 RD swabbing unit.

11-10-2005 MIRU. NU circulating pump & air package. Bled down csg to safe working conditions. ND tree, NU BOP, mud cross & blooie line. Unloaded wellbore -- pumping air and water bubbles. Displaced 200 bbls water. Circulated with air recovering 30 bph formation water. TOO H w/ tbg, SDFN.

11-11-2005 *Csg 0 psi. MU RBP/PKR. Measured in hole with PKR/RBP assembly on 2 3/4" tbg, set RBP @ 6095' & PKR @ 5714'. Isolated PLO perforations 5742' to 6074' = 49 holes. NU with swabbing equipment. TIH with swab and located top of fluid at 1700'. swabbed pulling fluid from 5700' -- made 11 runs and recovered 120 bbls formation water with a very slight sign of gas. fluid level remained static at 1700'. ND swab equipment. Released PKR & RBP at 6095'. Tripped up hole and set RBP at 5671' & PKR @ 5229'. Isolated CH/MEN zone. NU swabbing equipment. TIH w/ swab and located top of fluid at 1700'. Swabbed water from 1700' to 2500'. SD for week-end.

11-12-2005 Shut down

11-13-2005 Shut down

11-14-2005 Tbg & csg pressure 0 psi. TIH w/ swab and located fluid level at 1700'. Swabbed pulling loads from seat nipple at 5229'. Recovered 140 bbls formation water. Appears the CH/MEN zone to be flooded with water from exposure to PLO zone. Swabbed from 1700' to 2400'. Unable to lower fluid below 2400'. SWI for 30 minutes and fluid rose from 2400' to 2200'. Released pkr, left RBP set at 5671' isolating CH/MEN zone from PLO zone. TOO H w/ tbg & pkr. MU retrieving head and TIH with same on 2 3/4" tbg. Hung tbg off at 1500'. SDFN.

11-15-2005 Csg and tbg = 0 psi. Completed TIH w/ tbg and retrieving head. Hung tbg off at 5625' = 50' above RBP. NU with air pack. Broke circulation with 10 bph air/soap/corrosion inhibitor. Displaced 40 bbls formation water with air. Circulated with air, recovered 25 bph formation water with no sand. TUH w/ tbg, hung off at 5200' -- above all perforations. SDFN.

11-16-2005 Casing = 30 psi tubing = 0 psi. Tripped down hole with tubing. NU air pack. Displaced 45 bbls formation water. Circulated with air. Recovered 25 bph formation water with no sand. Unable to flare -- very little if any gas. Circulated over night with air. Air jammer and flow back man on location to monitor flow back. Circulating with air.

11-17-2005 Circulated w/ air overnight, recovered 25 bph formation water w/ no sign of gas or sand. Circulated w/ air from isolated CH/MEN zone. Recovered 20 bph formation water. No sign of gas or sand, getting no help from zone. Circulated w/ air overnight. Flow back man and air jammer on location to monitor flow back. Recovering 20 bph formation water with no sign of gas.

11-18-2005 Circulated w/ air -- isolated CH/MEN zone. Recovered 20 bph formation water with no sign of gas. Circulating w/ air and fluid returns dropped 2 bph and starting to show signs of gas. Able to flare with a 5' flame. Retrieved RBP at 5671', trip down hole and set RBP @ 6091' -- below all perforations. TUH, hang tbg and retrieving head off at 6011'. MIRU flow back tank. Broke circulation with air/ soap/ corrosion inhibitor. Circulating with air -- unloading PLO & CH/MEN zones. Recovering 35 bph formation water and no gas. Circulating with air -- unloading MV zone. Recovering 35 bph formation water with no sign of gas. Recovering water in flow back tank. Air jammer and flow back man on location to monitor flow back.

11-19-2005 Circulating w/ air, unloading MV zone as follows: 0600 hrs 25 bph wtr, 1200 hrs 25 bph wtr, 1800 hrs 25 bph wtr, 2400 hrs 25 bph wtr, 0600 hrs 20 bph wtr. Recovered 600 bbls formation wtr today. Recovered 1000 bbls formation wtr to date. Recovering some gas but getting little lift assist from it. No indication of sand. Hauling water to disposal well. Air jammer & flow back hand on location to monitor flow back.

11-20-2005 Circulating w/ air, unloading MV zone as follows: 0600 hrs 20 bph wtr, 1200 hrs 20 bph wtr, 1800 hrs 20 bph wtr, 2400 hrs 18 bph wtr, 0500 hrs 18 bph wtr. Recovered 480 bbls formation wtr today. Recovered 1480 bbls formation wtr to date. Recovering stronger gas returns & no sand returns. Hauling water to disposal well. Air jammer & flow back hand on location to monitor flow back. SDFN.

11-21-2005 Circulating w/ air 24 hrs. Unloading MV zone. 0700 hrs = 18 bph, SD air package & open up blooie line, let well flow on it's own. Making gas & no water. Flared w/ 18' flame, after 1 hr 6' flame. Opened 2" line. Started air package, displace 18 bbls formation water. Recovered 130 bbls water today. Total of 1610 bbls to date. Air jammer & flow back hand on location to monitor flow back. Circulate w/ air unloading MV zone. Hauling recovered water to disposal well.

11-22-2005 Circulate with air unloading MV zone. Air jammer and flow back hand on location to monitor flow back. Circulating air for 2 hours and standing idle for 2 hours. Recovering 13 bph water average. Well surging periodically. Recovered 300 bbls formation water today. Recovered 1910 bbls formation water to-date. Recovering some gas. No sign of sand recovery. Hauling recovered formation water to Williams disposal well.

11-23-2005 Circulate with air unloading MV zone. Air jammer and flow back hand on location to monitor flow back. SD air and opened up to blooie line allowing well to blow back on own. Flared gas and got 20' flame. Flame dropped to 6' flame after 45 minutes. Resumed circulating air for 2 hours and standing idle for 2 hours. Recovering 13 bph water average. Well surging periodically. Recovered 322 bbls formation water today. Recovered 2225 bbls formation water to-date. Recovering some gas. No sign of sand recovery. Hauling recovered formation water to Williams disposal well.

11-24-2005 Circulate with air unloading MV zone. Air jammer and flow back hand on location to monitor flow back. Circulating air for 2 hours and standing idle for 2 hours. Recovering 13 bph water average. Well surging periodically. Recovered 325 bbls formation water today. Recovered 2550 bbls formation water to-date. Recovering some gas. No sign of sand recovery. Hauling recovered formation water to Williams disposal well.

11-25-2005 Circulate with air unloading MV zone. Air jammer and flow back hand on location to monitor flow back. Circulating air for 2 hours and standing idle for 2 hours. Recovering 13 bph water average. Well surging periodically. Recovered 322 bbls formation water today. Recovered 2872 bbls formation water to-date. Aver water influx = 13 bph. Recovering some gas. No sign of sand recovery. Hauling recovered formation water to Williams disposal well. Note: took sample of recovery water to BJ labs for analysis. found chlorides to be low (25% of 2% KCl) and bicarbs high. indicates the water to be coal water and not MV water.

11-26-2005 Circulate w/ air unloading MV zone. Air jammer & flow back hand on location to monitor flow back. Circulating air for 2 hrs & standing idle for 2 hours. Recovering 10 bph water average. Well surging periodically. Recovered 240 bbls formation water today. Recovered 3112 bbls formation water to-date. Aver water influx = 10 bph. Recovering some gas. No sign of sand recovery. Hauling recovered formation water to Williams disposal well. Note: bph average has dropped from 13 bph to 10 bph.

11-27-2005 Circulate w/ air unloading MV zone. Air jammer & flow back hand on location to monitor flow back. Circulating air for 2 hours and standing idle for 2 hours. Recovering 10 bph water average. Well surging periodically. Recovered 240 bbls formation water today. Recovered 3352 bbls formation water to-date. Aver water influx = 10 bph. Recovering some gas. No sign of sand recovery. Hauling recovered formation water to Williams disposal well. Note: water recovery dropped from 13 bph to 10 bph for the past 48 hours.

11-28-2005 Shut off air pack & turned down blooie line. Made gas test, lit blooie line = 6/8' flame. Unable to build enough pressure to make choke test. TIH w/ ret head, found 3' of fill on top of RBP, circulated clean, retrieved RBP. TOOH w/ RBP & tbg. TIH w/ new RBP, set @ 5671', hung tbg off @ 5620'. Isolated CH/MEN for unloading with air. NU air package, displaced 40 bbls formation water with air. Circulate w/ air, unloading formation water from CH/MEN zone. Air jammer & flow back had on location to monitor flow back. Circulate with air, unloading formation water from CH/MEN zone overnight.

11-29-2005 Circulated over night with air unloading formation water from CH/MEN zone. Recovered 5.5 bph formation water. Cut air and flowed back through blooie line. Flared blooie line -- flared with a 6' to 8' flame. Flame was steady for 1 hour. Tripped down hole and retrieved RBP. Tripped down hole and set RBP @ 5865' and hung retrieving head at 5830'. Isolating CH/MEN perforations 5247' to 5645' = 40 holes & PLO perforations 5742' to 5861' = 26 holes. Broke circulation w/ air/corrosion inhibitor -- displaced 23 bbls formation water with air. Circulating w/ air 2 hrs & let stand 2 hrs. Recovering 9 bph formation water. Air jammer & flow back hand on location to monitor flow back. Circulate w/ air & let stand for 2 hr intervals.

11-30-2005 Circulated w/ air overnight -- unloading formation water from isolated CH/MEN zone. Recovered 8.5 bph formation water. Dropped air and flowed back down blooie line and made flare test = 8' to 10' flame --- slightly higher than CH/MEN alone. Retrieved RBP and moved up hole with same. Set RBP at 5375' isolating CH/MEN perforations 5247' to 5310' = 10 holes. Hung retrieving head at 5360'. Note: unable to set RBP at 5400' most likely due to scale. Broke circulation with air/corrosion inhibitor, displaced 14 bbls formation water. Circulated with air recovering formation water from isolated CH/MEN zone. 1000 to 1100 hrs displaced 14 bbls wtr. 1100 to 1200 hrs recovered 2 bph. 1200 to 1300 hrs recovered 2 bph. 1300 to 1400 hrs recovered 2 bph. Shut off air and let blow through blooie line. Made flare test = 1' flame. Retrieved RBP, TOOH w/ tbg & RBP. Broke down and loaded out with Knight Tools. RD air pack. Made ready to move to Terry Boone for CO, SDFN.

12-01-2005 Csg = 260 psi overnight build up. MU SN & mule shoe, TIH w/ production tbg. Landed 187 jts, 2 3/8", 4.7#, J-55 8rd EUE tbg @ 6074' as follows: mule shoe, 1 jt tbg, 1.78" profile nipple @ 6040', 186 jts tbg. ND blooie line, mud cross & BOP. NU tree, ND circulating pump. Laid down rig mast & cleaned location. Release rig @ 1400 hrs, 12/01/05. Turn well to production department. Move rig to Rosa #8B.