

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

Lease Designation and Serial No.
SF-078764

RECEIVED If Indian, Allottee or Tribe Name

OTO FARMINGTON, 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 25-1, TULSA, OK 74101 (918) 573-6254
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1080' FNL & 1050' FWL, NE/4 NW/4 SEC 30-31N-05W

7. If Unit or CA, Agreement Designation
8. Well Name and No.
ROSA UNIT #223A
9. API Well No.
30-039-27651
10. Field and Pool, or Exploratory Area
BASIN FRUITLAND COAL
11. County or Parish, State
RIO ARRIBA, NM

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 Completion

- 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.)*

06-17-2004 MIRU, NU BOP, RU floor, MU donut to jt of 2 3/4" tbg, land in tbg hanger & run in lock downs, pressure. BOP's, HCR's to 1500 psi, good test. MU 6 1/4" bit, PU 6 - 4 3/4" OD DC's, X-O to 2 1/2" AOH DP, PU drill pipe & TIH. RU swivel, circulate air only & unload hole @ 7" shoe, turn well over to night crew. Surge f/shoe w/ 10 bph mist, .25 hr = 600 psi, ret's lt wtr, flow .5 hr between surges. (total of 6 surges)

06-18-2004 Surge f/shoe w/ 10 bph mist, .25 hr = 600 psi, ret's lt. water, flow .5 hr between surges (total of 3 surges) SIW for 4 hr. nat. build. 4 hr SI = 250 psi. Tie back single line, change out stripping rubber, PU singles w/swivel & TIH, tag @ 3147', est. circ. w/ 12 bph mist, CO to TD @ 3188'. Pull bit up to 3012'. Surge f/shoe w/ 10 bph mist, .25 hr = 800 psi, ret's lt. water, flow nat. .75 hr. Surge f/shoe w/ 10 bph mist, .25 hr = 800 psi, ret's lt. water, flow nat. 1 hr. Surge f/shoe w/ 10 bph mist, .25 hr = 800 psi, ret's lt. water, flow .5 hr, (total of 7 surges), turn well to night crew. Nat. surge f/shoe, 2 hr SI = 200 psi, ret's lt. fines, lt. water, flow nat. 1 hr. Nat. surge f/shoe carry into 6/19/2004

06-19-2004 Nat. surge cont., 2 hr SI = 140 psi, ret's lt. fines, lt. water, flow nat. 1 hr, SIW for 4 hr nat. build. 4 hr SI = 280 psi, ret's lt. mist. PU singles w/swivel & TIH, tag @ 3083', est. circ. w/ 12 bph mist, C/O 105' of fill to TD @ 3188', circ. well clean, bypass mist & dry up wellbore .5 hr. Pull bit up to 3012', flow well nat. .75 hr. Surge f/shoe w/ 10 bph mist, .25 hr = 800 psi, ret's lt. water, flow nat. .75 hr. Surge w/ 10 bph mist, .25 hr = 800 psi, ret's lt. coal, lt. water, flow nat. .75 hr. Surge w/ 10 bph mist, .25 hr = 800 psi, ret's lt. water, (total of 2 surges), flow .75 hr in between surges, turn well to night crew. Surge w/ 10 bph mist, .25 hr = 800 psi, ret's lt. fines, lt. water, (9 surges total), flow nat. .75 hr in between surges.

Continue on Back

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

Signed Tracy Ross
Tracy Ross

Title Sr. Production Analyst

Date August 12, 2004

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

ACCEPTED FOR RECORD

AUG 16 2004

FARMINGTON FIELD OFFICE
BY SLB

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.

NMOC

06-20-2004 Surge w/ 10 bph mist, .25 hr = 800 psi, ret's lt. fines, lt. water, (3 surges total), flow nat. .75 hr in between surges, SIW for 4 hr nat. build. 4 hr SI = 320 psi, ret's lt. mist. PU singles w/ swivel & TIH, tag @ 3143', est. circ. w/ 12 bph mist, C/O 45' of fill to TD @ 3188', pump sweeps to clean up wellbore, bypass mist, circ. air only .5 hr. Pull bit up to 3012', flow well nat. 1.25 hr. Nat. surge f/ shoe, 2 hr SI = 340 psi, ret's lt. water, flow nat. 2 hr. Nat. surge f/ shoe, 2 hr SI = 380 psi, ret's lt. fines, lt. water, flow nat. 2 hr. Surge f/ shoe w/ 15 bph mist, .25 hr = 800 psi, ret's lt. coal, lt. water, flow nat. 1 hr. Surge w/ 15 bph mist, .25 hr = 800 psi, ret's lt. coal, lt. water, flow nat. 1 hr. Surge w/ 15 bph mist, .25 hr = 800 psi, ret's lt. fines, lt. water, flow nat. 1 hr, (total of 2 surges).

06-21-2004 Surge w/ 15 bph mist, .25 hr = 800 psi, ret's lt. fines, lt. wtr, flow nat 1 hr. Surge w/ 15 bph mist, .25 hr = 800 psi, ret's med coal, lt. wtr, circ well bore clean, flow nat 1.5 hr, SIW for 4 hr nat build. 4 hr SI = 420 psi, ret's lt. mist, flow nat .5 hr. PU singles w/ swivel & TIH, tag @ 3158', est circ w/ 15 bph mist, CO 30' of fill to TD, blow well dry .5 hr. LD 5 jts w/ swivel, RD swivel. TOOH, RU to surge from surface. Air only break over, 1.25 hr = 840 psi, ret's lt. coal, med. water, flow nat. 1 hr. Surge f/ surf. w/ 15 bph mist, .75 hr = 1000 psi, ret's lt. coal, med wtr, flow nat .75 hr. Nat. surge f/ surf, 2 hr SI = 380 psi, ret's lt. coal, med wtr, flow nat 2 hr. Surge f/ surf w/ 15 bph mist, .5 hr = 900 psi, ret's lt. coal, med wtr, flow nat 1 hr. Surge f/ surf w/ 15 bph mist, .5 hr = 900 psi, ret's lt. coal, med wtr, flow nat 1 hr. Surge f/ surf w/ 15 bph mist, .75 hr = 1100 psi, ret's lt. coal, med wtr, flow nat .25 hr.

06-22-2004 Flow well nat. Surge w/ 15 bph mist, .5 hr = 1060 psi, ret's med coal, med wtr, flow nat 2 hr, SWI 4 hr nat build. 4 hr SI = 300 psi, ret's lt. mist. TIH w/ 6 1/4" bit, RU swivel, change out saver sub. PU singles w/ swivel, tag @ 2995', est circ w/ 12 bph mist, CO to TD @ 3188', (60' bridge from 2995' - 3055'), (30' of fill from 3158' - 3188'). Pull bit up to 3012', flow well nat. Surge w/ 10 bph mist, .5 hr = 1200 psi, ret's lt. coal, med wtr, (3 surges total), flow 1 hr in between surges, turn well to night watch @ 14:30 hrs. Surge f/ shoe w/ 10 bph mist, .5 hr = 1000 psi, ret's lt. coal, lt. wtr, (5 surges total), flow 1 hr in between surges.

06-23-2004 Flow natural 1hr, surge f/ shoe w/ 10 bph mist, .25 hr = 1100 psi, ret's lt. coal, lt. wtr, circulate 7" csg clean, flow natural 1.75 hr, SIW for 4 hr natural build. 4 hr SI = 180 psi, ret's gas only, well bore bridged off. Tag bridge @ 3018', est circulate w/ 12 bph mist, CO bridges down to 3168', total of 45' of fill, circ clean. Pull bit up to 3137', surge f/ middle of big coal, .5 hr = 1000 psi, ret's extra hvy coal, med wtr, circ clean down to 3168', coal ran for .5 hr. Surge f/ 3137' w/ 15 bph mist, .5 hr SI = 1000 psi, ret's extra hvy coal, med wtr, circ clean down to 3168'. Bypass air, pull bit up to 3033'. Flow well natural, release rig crew. Natural surge, 2 hr SI = 430 psi, ret's lt. coal, med water, flow natural 1 hr. Natural surge, 2 hr SI = 440 psi, ret's lt. coal, med water, flow natural 1 hr. Natural surge carry into 6/24/2004

06-24-2004 Natural surge cont, 3 hr SI = 450 psi, ret's lt. coal, hvy wtr, flow natural 2 hrs, SWI for 4 hr build. 4 hrs SI = 480 psi, ret's gas only. PU singles & TIH to 3168', no fill, est circ w/ 15 bph mist. Surge from middle of big coal @ 3137' w/ 15 bph mist, .5 hr = 1000 psi, ret's extra hvy coal & some shale, hvy wtr, surge bridged off just below shoe. Pressure up annulus, pull up above bridge, surge off pressure, ret's hvy coal & shale, circ w/ 12 bph mist, clean out to TD, formation running coal & shale @ 3074'. Pull bit up to 3033', turn well to night crew. Flow well natural. Surge from 3033', (middle of top coal) w/ 10 bph mist, .25 hr = 600 psi, ret's lt. coal & shale, lt. wtr, flow 1 hr in between surges, (4 surges total).

06-25-2004 Flow natural. Surge f/ 3033' w/ 10 bph mist, .25 hr = 600 psi, ret's lt. coal, lt. water, flow natural 1.75 hr, SIW - 4 hr natural build. 4 hr SI = 360 psi, ret's lt. mist. Est. circ. w/ 12 bph mist @ 3033', st. cleaning out, ran shale for 1hr @ 3074', ret's slowed, cont. to CO. CO to 3168', running coal, cont. circ. & work pipe. Bypass mist, circ. air only to blow well dry. LD 6 jts., RD swivel. TOOH, PU 43 stds in derrick. Pull pipe back across derrick & tie in. Finish TOH, RU to surge f/ surf, release rig crew. Surge f/ surf., air only breakover, 1.5 hr = 740 psi, ret's lt. fines, med water, flow nat 1.5 hr. Nat surge, 1.5 hr SI = 420 psi, ret's lt. fines, lt. water, flow natural.

06-26-2004 Flow well natural Nat surge f/surf, 1.5 hr SI = 400 psi, ret's lt. fines, lt. water, flow 1hr., SIW 4 hr natural build. 4 hr. SI = 440 psi, ret's lt. mist, flow natural. Natural surge f/surf., 1.5 hr SI = 420 psi, ret's lt. mist, flow natural 1.5 hr. Natural surge, 1.5 hr. SI = 420 psi, ret's lt. mist, flow natural 1.5 hr, release rig crew. Natural surge, 1.5 hr. SI = 420 psi, ret's lt. mist, flow natural 1.5 hr. Nat surge, 1.5 hr. SI = 440 psi, ret's lt. fines, lt. water, flow natural 1.5 hr. Natural surge, 1.5 hr. SI = 450 psi, ret's lt. coal, med. water, flow natural 1.5 hr. Natural surge carry into 6/27/04

06-27-2004 Nat surge cont., 1.5 hr SI = 465 psi, ret's lt. coal, med water. Flow natural 2 hr, SIW f/ 4 hr natural build. 4 hr SI = 510 psi, ret's lt. coal, lt. wtr, flow natural. Natural surge, 1.5 hr SI = 490 psi, ret's lt. coal, lt. mist, flow natural 1.5 hr. Natural surge, 1.5 hr SI = 520 psi, ret's lt. coal, lt. mist, flow natural 1.5 hr, rel. rig crew. Natural surge, 1.5 hr SI = 540 psi, ret's lt. coal, lt. mist, flow natural 1.5 hr. Natural surge, 1.5 hr SI = 540 psi, ret's md. coal, md. water, flow natural 1.5 hr. Natural surge, 1.5 hr SI = 560 psi, ret's med coal, med water, flow natural 1.5 hr. Natural surge carry into 6/28/04.

06-28-2004 Nat. surge cont., 1.5 hr SI = 560, ret's med coal, med wtr, flow nat. 2 hr, SIW for 4 hr nat. build. 4 hr SI = 620 psi, ret's lt. fines, lt. mist, flow nat. Surge f/surf w/ 7 bph mist & 2 - 5 bbl pads spaced out, .75 hr = 800 psi, ret's hvy coal, hvy water, flow nat. .75 hr. Nat. surge f/surf., 1.5 hr SI = 500 psi, ret's lt. coal, hvy water, flow nat. 1 hr. Nat. surge, 1.5 hr SI = 520 psi, ret's lt. coal, med water, flow nat. 1 hr. Nat. surge, 1.5 hr SI = 520 psi, ret's lt. coal, lt. water, flow nat. 1 hr. Nat. surge, 1.5 hr SI = 550 psi, ret's lt. coal, lt. water, flow nat. 1 hr. Nat. surge, 1.5 hr SI = 550 psi, ret's lt. coal, md water, flow nat. 1 hr. Nat. surge, 1.5 hr SI = 540 psi, ret's med coal, med water.

06-29-2004 Flow well natural. Natural surge f/surf, 1 hr SI = 400 psi, ret's lt. coal, med wtr, flow natural 1 hr, SIW for 4 hr natural build. 4 hr SI = 580 psi, ret's lt. coal, med wtr, flow natural. TIH. RU power swivel, PU singles & TIH, tag @ 3043'. Est circ w/ 12 bph mist, start CO, coal & shale running, cont circ, got down to 3137', lost ret's, pull back up to 3043', running coal & shale, CO to 3105'. Bypass air, pull up to 3012', rel rig crew, turn well over to night watch. Flow well natural. Surge f/ shoe w/ 10 bph mist @ 600 psi, flow .5 hr in between surges, 5 surges total, ret's on 1st & 2nd surge lt. coal, med water, ret's on last 3 surges med coal, med wtr.

06-30-2004 Flow natural. Surge f/ shoe w/ 10 bph mist, .5 hr = 600 psi, ret's lt. coal & shale, med wtr, flow natural 2 hr, SIW for 4 hr natural build. 4 hrs SI = 430 psi, ret's lt. coal & shale, hvy wtr, est circulation w/ 12 bph mist, CO, formation running hvy coal & shale, CO to 3168'. Formation running med coal & shale, continue to circulate, pump 3 bbl sweep every 1/2 hr, ret's slowed. Pull bit up to 3033', install 2 1/4" pipe rams, turn well to night crew. Flow well natural. Natural surge, 2 hr SI = 440 psi, ret's lt. coal, lt. wtr, flow natural 2 hrs. Natural surge carry into 7/1/2004.

07-01-2004 Natural surge continue, 2 hrs SI = 430 psi, ret's lt. coal, lt. water, flow natural 2 hrs, SWI for 4 hr natural build. 4 hrs SI = 400 psi, ret's lt. coal & shale, lt. wtr. Est circulation w/ 12 bph mist, running hvy coal & shale from 3043' to 3074'. CO to 3137', formation still running coal & shale. Co to 3168', running med coal & shale, circulate & pump sweeps. Ret's slowed, pull bit up to 3043', turn well over night crew. Flow well natural. Natural surge, 1.5 hrs SI = 420 psi, ret's lt. coal, lt. shale, hvy water, flow natural 1 hr. Natural surge, 1.5 hrs SI = 400 psi, ret's lt. coal, lt. shale, med water, flow natural 1 hr. Natural surge carry into 7/2/04.

07-02-2004 Nat. surge cont., 2 hr SI = 420 psi, ret's lt. coal, lt. shale, med. water, flow nat. 2 hr, SIW for 4 hr nat. 4 hr SI = 400 psi, ret's lt. coal, lt. shale, lt. water, flow nat. Est. circ. w/ 12 bph mist @ 3043', C/O to 3168'. Running coal & shale, cont. to circulation. Ret's slowed, bypass mist, circ. w/air only & dry up wellbore. LD 6 jts., RD swivel. TOOH, RU to surge from surface. Surge from surface w/ 7 bph mist & 2 - 5 bbl pads space out, 1.25 hr = 820 psi, ret's hvy coal (fines to 1/8"), hvy water, flow nat. 1.75 hr. Natural surge, 1.5 hr SI = 420 psi, ret's lt. fines, lt. water, flow natural 1 hr. Natural surge, 1.5 hr SI = 420 psi, ret's lt. fines, lt. water, flow natural 1 hr.

07-03-2004 Nat. surge f/surf., 1.5 hr SI = 440 psi, ret's lt. fines, lt. water, flow nat. 1.5 hr, SIW for 4 hr nat. 4 hr SI = 460 psi, ret's lt. mist, flow nat., rig crew service equip. Nat. surge, 1 hr SI = 400 psi, ret's lt. coal, lt. water, flow nat. 1.5 hr. Nat. surge, 1 hr SI = 400 psi, ret's lt. coal, med. water, flow nat. 1 hr. Nat. surge, 1.5 hr SI = 420 psi, ret's lt. coal, med. water, flow nat. 1.5 hr, SWI until 7/5/04.

07-05-2004 Csg. press. = 500 psi, nat. surge, ret's dust. Nat. surge, 1 hr SI = 440 psi, ret's lt. fine, lt. water, flow nat. 1 hr. Nat. surge, 1 hr SI = 420 psi, ret's lt. coal, lt. water, flow nat. 1 hr. Nat. surge, 1 hr SI = 420 psi, ret's lt. coal med. water, flow nat. 1 hr. Surge f/surf w/ 5 bph mist & 3 - 7 bbl pads spaced out, 1.25 hr = 900 psi, ret's hvy coal, hvy water, flow nat. 1.75 hr. Nat. surge, 1 hr SI = 520 psi, ret's med. coal, med. water, flow nat. 1 hr. Nat. surge, 1 hr SI = 420 psi, ret's lt. coal, med. water, flow nat. 1 hr. Nat. surge, 1 hr SI = 420 psi, ret's lt. coal, med. water, flow nat. 1 hr. Surge w/ 15 bph air mist, carry into 7/6/04

07-06-2004 Surge w/ 15 bph air mist continued, 1 hr = 800 psi, ret's med coal, med wtr, flow natural 2.75 hrs, SWI for 4 hr natural build. 4 hrs SI = 480 psi, ret's lt coal, lt wtr, flow natural. TIH w/ 6 1/4" bit. RU power swivel, PU singles, tag @ 3043'. Est circulation w/ 12 bph mist, CO to 3074', formation running coal & shale, every time we got below 3074', lost circulation. Pull bit up to shoe, turn well over to night crew. Flow well natural.

07-07-2004 Flow well natural. Est. circ. W/ 15 bph mist @ 3012'. CO to 3106', formation ran coal & shale (40/60). Noticed oil pan on rig engine leaking, crew checked it out, pan cracked, flowing 1/8" stream, pull bit up to 3012', release rig crew, unable to get mechanic, crew will repair 7/8/04. Flow well natural.

07-08-2004 Flow well nat., evap. Pit. Est. circ. W/ 15 bph mist @ 3012'. CO to 3043', bypass airmist & SD. Flow well nat.

07-09-2004 Flow well nat., evap. Pit. Est. circ. w/ 15 bph mist @ 3012'. C/O to 3074', running coal & shale, unable to get past 3074', pull up to shoe, rel. crew. Flow well nat., evap. Pit.

07-10-2004 Flow well nat., evap. Pit. Est. circ. w/ 15 bph mist @ 3012'. Got down to 3074', running lt. coal, hvy. shale, work pipe from 3043' to 3074'. Ret's slowed, make connection, work pipe f/ 3074' to 3106', running lt. coal, hvy shale, pump 3 bbl sweeps every .75 hr. Bypass air, pull up to 3012', rel. rig crew. Flow well nat., evap. Pit.

07-11-2004 Flow well nat., evap. Pit. Est. circ. w/ 15 bph mist @ 3012'. Tag @ 3079', C/O to 3106', running lt. coal, hvy. Shale. Make connection @ 3106', work pipe f/ 3106' to 3137', running coal & shale (1/4" in size), unable to get past 3137' (gets real sticky). Pull up to 3012', rel. rig crew. Flow well nat., evap. Pit.

07-12-2004 Flow well nat., evap. Pit. Est. circ. w/ 15 bph mist @ 3012'. Tag @ 3066', C/O to 3168'. Running hvy coal & shale @ 3168', cont. circ. & work pipe, pump sweeps every .75 hr. Bypass air, pull up to 3012', rel. rig crew. Flow well nat., evap. Pit.

07-13-2004 Flow well nat., evap. Pit. Tag @ 3070', est. circ. w/ 15 bph mist. C/O to 3168', running md. coal & shale. Make conn., C/O to TD @ 3188', cont. circ. Ret's slowed to lt. coal & shale, pull up to shoe, rel. rig crew. Flow well nat., evap. Pit.

07-14-2004 Flow well nat., evap. Pit. PU singles w/swivel, tag @ 3074', est. circ. w/ 15 bph mist, C/O to TD @ 3188', (15' of fill), circ. .75 hr on bottom, ret's very lt. coal & shale. LD 6 jts, RD swivel. TOH standing back drillpipe. LD BHA. MU liner setting tool & lay on piperack, RU csg. crew, install 5 1/2" rams, tally 5 1/2" csg. Hold safety meeting. PU csg. & TIH as follows: 5 1/2" LA-Set Shoe = 1.00 5 jts. 5 1/2" 17# N-80 csg. = 224.22. TIW H-Latch dropoff liner = 2.30 (total length of liner = 227.52). RD csg. crew. TIH w/ 2 7/8" drillpipe. Tag 20' in on jt. #93 @ 3143', RU swivel, rotate liner past bad spot @ 3143', make connection, liner went down to 3181', drop off 5 1/2" 17# liner, shoe @ 3181', L.T. @ 2954' (59' of overlap), lost 4000# of liner wght, no drag coming up. RD swivel. TOH, LD drillpipe, SIWFN, rel. rig crew. Perforate, PU 2 1/2" prod tbg, land tbg, ND BOP, NU tree, rig down.

07-15-2004 Csg. press = 400 psi. RU BWWC. Safety meeting. Perf. following intervals w/ 3.125" OD HSC, 4 spf, .53 dia. holes, bottom up, 3028' - 3036', 3052' - 3058', 3068' - 3089', 3110' - 3118', 3123' - 3133', 3138' - 3158', total footage shot = 73', 292 holes. RD BWWC, NU stripping head. Tally tbg. on float, PU tbg. & TIH as follows: 2 1/8" 1/2" muleshoe, 2 1/8" x 10' pup jt, 2 1/8" x 2.28 ID SN, 99 jts 2 1/8", 6.5#, J-55 tbg, 2 1/8" x 10' pup jt, 1 jt 2 1/8", 6.5#, J-55 tbg, tbg hanger. Tbg landed w/ 9' KB correction, 1/2" muleshoe landed @ 3140', SN @ 3129'. RD swivel, RD floor. ND cavitation stack. NU tree, test 3000 psi. Pump out aluminum plug in SN w/air & 5 bbls H2O, pressure to 450 psi & leveled out, got back H2O, dry up w/air .5 hr, rig down. Release rig.