

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 #220

9. API Well No.
30-039-24493

10. Field and Pool, or Exploratory Area
BASIN FRUITLAND COAL

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
980' FNL & 990' FEL, NW/4 NE/4, SEC 13 T31N R6W

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
Notice of Intent	Abandonment
<input checked="" type="checkbox"/> Subsequent Report	Recompletion
Final Abandonment	Plugging Back
	Casing Repair
	Altering Casing
	Other <u>Work Complete</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 Recombination 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.)*

01-25-2005 MIRU, tbg press=220 psi, csg press=500 psi, BD to pit, function test BOP before ND tree, PU tools, SDFN.

01-26-2005 Tbg press=200 psi, csg press=500 psi, BD to pit, ND tree, NU BOP, mud-x, hcr's, BOP, roustabouts RU blooie line, test stack 2000 psi, bleed off press, took 1.5 hr to back out lock pins on tbg hanger, pulled 25K to unseat donut, tally on TOH, SDFN.

01-27-2005 Csg=600 psi, BD to pit, finish TOH w/2 3/8" tbg, total tbg pulled - 99 jts 2 3/4", SN, 1 jt, notched collar. PU 3 1/2" DC's off top of tbg & TIH, TOH & stand back DC's, SDFN.

01-28-2005 Csg press=600 psi, BD to pit, replace air dryer, change out stripping head, MU 4 3/4" bit, b.s., x-o, tally & PU 2 7/8" tbg, TIH to 3155', RU WL, run gyro, readings every 100', dist: 91.34 ft, Az: 124.56 degree, POH, TOH, SDFWE.

Continued on back side

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

Signed Tracy Ross
TRACY ROSS

Title SR. Production Analyst Date April 27, 2005

(This space for Federal or State office use)

Approved by _____

Title _____

Conditions of approval, if any:

ACCEPTED FOR RECORD
MAY 12 2005
FARMINGTON FIELD OFFICE
BY _____ Date _____

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.

NMOCD

01-31-2005 to 02-08-2005 Waiting for sound walls to be built.

02-09-2005 Set up unit, Bloomfield Mach. & Welding on loc, erect sound walls, TIH to LT w/ 4 3/4" bit, 6-d.c.'s, 2 7/8" workstring, crew still putting up sound walls, PU swivel & hang in derrick, plumb air line & manifold into std pipe, SDFN.

02-10-2005 Csg press = 600 psi, BD to pit, install new air dryer on rig, PT lines 2000 psi. TIH from LT to 3179', est circ w/12 bph mist. C/O to 3211', work tight spots, good circ not bringing back any coal or shale - hole tight. C/ to 3242', hole tight, pump sweeps, start bringing back med to hvy shale, fines up to 1/16", cont circ & work pipe. Bypass air, RD swivel, pull BHA up into 7", drain up, SDFN.

02-11-2005 Csg press = 650 psi, BD to pit, TIH f/LT, RU power swivel, est. circ. w/15 bph mist @ 3179', C/O f/3179' to 3242', tight spots 3200' to 3211', 3220' to 3242', running med to hvy shale @ coal fines, bypass air, RD swivel, pull 14 stds, drain up, SDFWE.

02-14-2005 Csg press = 640 psi, BD to pit, TIH f/LT, RU swivel, reserve pit filled up over weekend from storm, call for water trucks, tag @ 3211', est circ w/ 15 bph mist, work tight spot f/ 3220' to 3242', running med shale w/ coal fines, got call all water trucks tied up, RD swivel, pull BHA up into 7", call for RU truck to move frac tank; flow well on blooie line & flare, evap pit while waiting on RU truck, pump water f/ reserve pit into frac tank, dawn will haul out 2 loads tonight, SDFN.

02-15-2005 Csg press = 650 psi, BD to pit, flow well on blooie line, evap pit, water trucks supposed to haul water out of holding tank this evening.

02-16-2005 Csg press = 650 psi, BD to pit, flare well & evaporate pit, will need additional tank, none available until tomorrow. Drain up, SDFN.

02-17-2005 Csg press = 650 psi, BD to pit, TIH f/ LT. Est. circ. w/ 12 bph mist. C/O from 3179' to 3242', made conn., got stuck, got unstuck. PU to 3179', est. circ., work pipe from 3179' to 3211', running heavy shale w/ coal fines. Bypass air, RD swivel, pull BHA up in 7", drain up, SDFN.

02-18-2005 Csg press = 620 psi, BD to pit. TIH f/ LT, RU swivel. Est. circ w/ 14 bph mist, c/o f/ 3179' to 3211', running hvy shale, (raining hard). RD swivel, pull BHA up in 7". Drain up, pump water from res. pit to frac tank, SDFWE.

02-21-2005 Rain washed out ditches crew dug, filled res. pit, notify K. Place, M. Lane, wait on J. Beyale w/ Sierra, will have to get behind pit w/ backhoe & connect the 2 burms, build burm on Westside & dig ditch across sand stone rock, release crew & put on standby, air package stacked rate.

02-22-2005 Wait on weather & roads, rig crew 8 hr standby, stacked rate air package, water trucks unable to pull pit & tanks due to road conditions.

02-23-2005 Production tanks & frac tanks have been emptied, reserve pit backed up over dam into blow pit, transfer 800 bbls from reserve pit to frac tanks, notified K. Place & M. Lane of pit conditions, SDFN.

02-24-2005 Wait on weather & roads, crew on 8 hr standby, call f/ Dawn last night, got frac tanks empty.

02-25-2005 Transfer 600 bbl wtr f/ res pit to frac tanks with yellow dog, pit level low enough to start back on 1/28, return to Farmington, SDFWE.

02-28-2005 Csg pressure=770 psi, blow down to pit, TIH from LT, RU power swivel, est circ w/ 14 bph mist, CO from 3179' to 3211', returns bringing med to heavy shale, fines up to 1/8" in size, work pipe, bypass air, RD swivel, pull BHA up into 7", drain up, SDFN.

03-01-2005 Csg pressure=640 psi, blow down to pit, TIH from LT, PU power swivel, est circ w/ 14 bph mist, CO from 3179' to 3211', running med to heavy shale w/med coal fines, work pipe, pump sweeps, bypass air, RD swivel, pull BHA up into 7", drain up, SDFN.

03-02-2005 Csg press = 600 psi, BD to pit. TIH f/ LT to 5' 1/2" shoe @ 3179', RU swivel. Est circ w/ 14 bph mist, CO from 3179' to 3211', running heavy shale w/ light to med coal fines. Bypass air, RD swivel, pull BHA up into 7". Drain up, SDFN.

03-03-2005 Csg pressure=620 psi, BD to pit, TIH from LT, RU swivel, est circ w/ 14 bph mist, CO from 3179' to 3242', tight spot 3230' to 3242', work pipe & pump sweeps, RD swivel, pull BHA up into 7", drain up, SDFN.

03-04-2005 Csg pressure=600 psi, BD to pit, TIH from LT, RU power swivel, C/O w/12 bph mist from 3179' to 3242', made conn @ 3242', went 3246' swivel torqued up, LD jt, pulled 20k over to 3185', free up, work pipe f/3179' to 3242', st running hvy shale w/coal fines, BYP air, RD swivel, TOH, inspect bit, missing a few buttons, dr up, SDFWE.

03-07-2005 Csg pressure = 640 psi, blow down to pit, TIH w/4 3/4" rerun tooth bit, RU power swivel, est circ w/12 bph mist, CO from 3179' to 3242', tight spot 3230' to 3242', running hvy shale, bypass air, RD swivel, pull BHA up into 7", SDFN.

03-08-2005 Csg pressure = 650 psi, blow down to pit, TIH from liner top. Est circulation w/ 12 bph mist, CO from 3179' to 3242', ref's hvy shale, pump sweeps every 1/2 hr. PU jt #97, work pipe from 3242' to 3247', torqued up swivel. LD jt #97, pulled 20K over up to 3218', pulled free, work pipe, running hvy shale, pump sweeps every 1/2 hr. RD swivel, pull BHA up in 7", SDFN.

03-09-2005 Csg pressure = 675 psi, blow down to pit, TIH from liner top, RU power swivel. Est circulation w/ 12 bph mist, CO from 3211' to 3242', running med shale, make connection, CO to 3251', tight hole, work pipe from 3242' to 3251', swivel torqued up, DP pressure up, LD jt, pulled tight from 3242' to 3230', free up, work pipe 3211' to 3242', running hvy shale. Make connection, CO from 3242' to 3251', torqued up swivel, got stuck, LD jt, got unstuck, PU to 3211', get ret's back, work pipe from 3211' to 3242', running hvy shale. RD swivel, pull BHA up in 7", SDFN.

03-10-2005 Csg pressure = 640 psi, blow down to pit, TIH from liner top, RU swivel. Establish circulation w/ 12 bph mist, CO from 3211' to 3255', work pipe 3235' to 3255', started acting like we were to top of fish or beside fish, slowly losing ret's, pulling into tight spot @ 3232'. LD 1 jt, pull thru tight spot @ 3232', work pipe from 3211' to 3242', running heavy shale, Bypass air, RD swivel, pull BHA up in 7", SDFN.

03-11-2005 Csg pressure = 650 psi, blow down to pit, TIH from liner top, RU swivel, C/O w/ 12 bph mist from 3211' to 3242', got stuck @ 3235', got unstuck, running hvy shale, work pipe & pump sweeps, RD swivel, pull BHA up in 7", flow well nat on blooie line, pumper put well on line over weekend.

03-14-2005 Pumper SD compressor, BD meter run, & L.O.T.O., flow for 03/13/2005=491 mcfd, TIH from liner top, RU power swivel, C/O from 3211' to 3242' w/ 12 bph mist, tight spot 3235' to 3242', running med shale, made conn, worked pipe down to 3255', PU to 3235', worked pipe to 3247', stalled swivel, DP press up, LD jt, PU to 3211', work pipe, running hvy shale, RD swivel, pull BHA up in 7", SIWFN.

03-15-2005 Csg pressure= 570 psi, BD to pit, TIH from LT, RU power swivel, CO from 3211' to 3242' w/ 12 bph mist, CO from 3242' to 3264', PU to 3235', swivel stalled, LD jt 97, PU to 3211', work pipe 3211' to 3242', make conn, work pipe from 3242' to 3257', PU to 3235' swivel stalled, unable to work pipe down, LD jt 97, PU to 3211', running heavy shale, work pipe 3211' to 3242', bypass air, RD swivel, pull BHA up in 7", SDFN.

03-16-2005 Csg pressure= 600 psi, BD to pit, thaw air system on rig, TOH, insp bit, cone missing tooth, showing wear on 2 shanks, TIH, RU power swivel, CO 3211' to 3242' w/ 12 bph mist, running medium to heavy shale, CO 3242' to 3260', unable to make any hole past 3260', got stuck, got unstuck, PU to 3211', work pipe 3211' to 3242', returns light shale, make conn, made hole down to 3268', RD swivel, pull BHA up in 7", SDFN.

03-17-2005 Csg pressure= 550 psi, BD to bit, TIH from LT, RU power swivel, change out rubber, CO from 3211' to 3242' w/ 15 bph mist, CO 3242' to 3275', PU 3235', had to drill jt back down, work pipe 3242' to 3275', circ press & torque staying same, running light to medium shale w/ coal fines, make conn, CO to 3280', swivel stalled, PU to 3275', LD jt, work pipe 3242' to 3275', having to drill jt back down, unable to get to 3275', running medium shale, RD swivel, pull BHA up on 7", SDFN.

03-18-2005 Csg press 570 psi, BD to pit, TOOH & inspect bit, bit in good shape. TIH, RU power swivel, est. circ. w/ 12 bph mist, work pipe 3211' to 3242', tight spot 3237' to 3242'. Make conn., drill 3242' to 3275', PU to 3242', having to drill jt back down st @ 3257' each time. Bypass mist, unload water. RD swivel, pull BHA up in 7", flow well nat on blooie line 2.5 hr, SI pipe rams & HCR's, produce well up csg over weekend.

03-21-2005 Csg press = 150 psi, BD meter run, TIH f/ LT, RU power swivel. CO 3211' to 3242' w/ 12 bph mist. CO 3242' to 3275', had to drill jt down, work pipe, have to drill down last 15' each time, running med shale. Tag @ 3260', unable to get down, running med to hvy shale w/ light coal, cont to work pipe. Bypass air, RD swivel, pull BHA up in 7", SDFN.

03-22-2005 Csg press 550 psi, BD to pit, TIH f/ LT, est. circ. w/ 12 bph mist. Tag @ 3252', drill down to 3270', stalled swivel, pull back up to 3242', can only get back down to 3264', not drilling off. TOOH & inspect bit, cones tight, teeth rounded & dull. Drain up, pump water from reserve pit to frac tank, SDFN.

03-23-2005 Csg press 570 psi, BD to pit. MU fishing tools, TIH w/ 4 11/16" OD O.S. X 2 7/8" grapple (control dressed w/ tungsten), 3 3/4" OD BS, 3 3/4" OD jar, 6 - 3 1/2" OD DC's, 3 3/4" OD intensifier, X-O, total length BHA = 212.36'. TIH w/ 2 1/4" tbg to 3201'. Tie back single line, RU power swivel. PU jt #95, run in hole to 3233', rotating free, didn't tag anything, PU jt #96, est. circ. w/ 12 bph mist, work string pressure up to 1820 psi, bleed off press, LD 2 jts, put air on, press to 1900 psi, bleed off press, RD swivel, tie back double line. TOOH, jar plugged up, unplug jar. TIH, tie back single line, RU power swivel. Est. circ. w/ 12 bph mist @ shoe, circ & rotate OS down, tag @ 3241', rotate OS down to 3267', hole is tight & ratty from 3257' to 3267', made several attempts to find top of fish. Bypass air, RD swivel, tieback dbl line, TOOH & inspect OS, no sign we were on top of fish, drain up SDFN.

03-24-2005 Csg press 550 psi, BD to pit. MU 4 3/4" window mill & TIH, est circ w/ 12 bph mist @ 3242', CO 3242' to 3282', returns-light to med shale (75% shale, 25% coal fines), finding a few small slivers of metal, indicating we are beside fish, bypass air, RD swivel, pull BHA up in 7", SDFN.

03-25-2005 Csg press 560 psi, BD to pit, TIH f/ LT, RU power swivel, est circ @ 3211', circ down to 3264', work past bad spot @ 3264', drill down to 3273', PU to 3211', drill f/ 3273' to 3277', make conn drill f/ 3277' to 3284', run 4 to 6K on mill, drilling slow, hole got tight, stalled swivel, PU to 3242', had to drill back down to 3277', running med shale 75%, coal fines 25%, make conn, drill f/ 3277' to 3282', bypass air, RD swivel, pull BHA up in 7", flow well nat on blooie line for 2 hr, pumper put well on line & prod over weekend.

03-28-2005 Pumper on loc to BD meter run, TIH f/ LT, RU power swivel, est circ w/ 12 bph mist, CO f/ 3211' to 3260', drilling slowed way down 3260' to 3274', not drilling off @ 3274', TOH & insp mill, buttons broke off, wear on sides of mill, no wear on bottom, TIH w/ 4 3/4" bit to 3179', SDFN.

03-29-2005 Csg pressure 570 psi, BD to pit, TIH f/ LT, RU power swivel, CO w/ 12 bph mist f/ 3242' to 3339', got slight press incr, swivel torqued up, PU to 3242', work bad spot @ 3260', bypass air, RD swivel, pull BHA up in 7", SDFN.

03-30-2005 Csg pressure 550 psi, BD to pit, TIH f/ LT, RU power swivel, est circ w/ 12 bph mist @ 3242', work pipe 3242' to 3275', bad spot 3260' to 3275', made conn, drilled to 3280', swivel stalled, dragging coming up hole, PU to 3242', work bad spot 3260' to 3275', drill f/ 3275' to 3335', torque running 1300 to 1500 ft/lbs, hole got tight, had to pull up to 3242', bypass mist, circ air only & dry up hole, pull BHA up in 7", flow well nat on blooie line, flow well on 2" line. SDFN.

03-31-2005 Csg pressure 620 psi, BD to pit, TIH f/ LT, RU power swivel, PU singles, tag @ 3250', CO w/ 14 bph mist, getting hung up @ 3260', pump sweep, st running med to heavy shale, work pipe, unable to get past 3260', pump sweeps, running heavy shale, bypass air, RD swivel, TOH & insp bit, two cones have slight play, all buttons still there, SDFN.

04-01-2005 MU 4 1/4" bit, pin snapped, notify engineer, TIH w/ 4 3/4" bit, RU power swivel, tag @ 3255', CO w/ 14 bph mist, 3255' to 3272', running heavy shale 75%, coal fines 25%, work pipe & pump sweeps, circ air only & unload wtr, RD swivel, pull BHA up in 7", flow well nat on blooie line, SI pipe rams, pumper on loc to put well on line & prod over weekend.

04-04-2005 Pumper on loc to BD meter run, TIH f/ LT, RU power swivel, est circ w/ 14 bph mist, CO f/ 3242' to 3272', unable to make any hole past 3268', stalls swivel, have to PU & start over, returns-med shale, bypass air, RD swivel, TOH, SDFN.

04-05-2005 Csg pressure 510#, BD to pit, MU fishing tools, TIH w/ 4 11/16" OD O.S. x 2 7/8" grpl, string lit, 3.75 OD B.S., 2.5 degree bent sub, 3.75 OD jar, 6- 3.5" OD DCs, 3.75" OD int, 2 7/8" work string, tie back single line, RU power swivel, tag 5' in on jt #95 @ 3209', est circ w/ 12 bph mist, rotate & wash O.S. down to 3267', unable to go any deeper, work O.S. f/ 3240' to 3259', can't get past 3259', cont to loc fish top, TOH, no sign of fish in, on, or around O.S., TIH w/ 4 3/4" bit to LT, SDFN.

04-06-2005 Csg pressure 510#, BD to pit, TIH f/ LT, RU PS, tag @ 3249', est circ w/ 15 bph mist, CO, bad spot 3260' to 3275', sticks pipe, has over pull coming up, cont to work pipe, returns-med shale, got stuck @ 3269', 1 hr to work free, PU to 3250', pump 10 bbl sweep, returns-heavy shale, cont to work pipe, returns slowed to med shale, unable to get past 3275', pull BHA up in 7", SDFN.

04-07-2005 Csg pressure 510#, BD to pit, TIH f/ LT, TOH LD work string & BHA, change over to run 2 3/8" prod tbg, TIH w/ 2 3/8" prod tbg, rabbit stds after MU w/ 80' of sash cord, total of 89 jts in hole, found 11 bad jts & LD on fit, RD swivel & put on skid, RD yellow dog, 2" line & spray bar, SDFN.

04-08-2005 Csg press 510#, BD to pit, unload 15 jts tbg off Monarch, load 11 jts bad tbg & ret' to Tubascope. PU 11 jts new tbg & TIH, land tbg as follows: tbg hanger, 99 jts 2.375", 4.7#, J-55 tbg, 2.375" X 1.78" ID SN @ 3165', 1 jt 2.375", 4.7#, J-55 tbg, 2.375" notched collar @ 3198'. RD floor, ND BOP's, & cavitation stack. NU tree, pump out alum. plug in SN, press to 1150 psi, press drop to 400 psi, cont. w/ air 15 min, bypass air. Unable to RD due to high winds, RD everything else, notify J. Richardson well ready to put on production, release rig.