

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

070 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) 561-6254

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
890' FSL & 1850' FWL, SE/4 SW/4, SEC 21 T31N R6W

5. Lease Designation and Serial No.
SF-078766

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
ROSA UNIT

8. Well Name and No.
ROSA UNIT #100

9. API Well No.
30-039-23360

10. Field and Pool, or Exploratory Area
UNDES. GALLUP/BASIN DAKOTA

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
☒ Subsequent Report
Final Abandonment

X Abandonment - Undes. Gallup
Recompletion
Plugging Back
Casing Repair
Altering Casing
X Other Return DK to Production

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.)*

10-28-2003 MIRU, lay lines to flow back tank, SITP 0#, SICP 380#. Blow well down to flow back tank, ND tree. Pump 30 bbls produced water down csg to kill GL, pulled up on hanger to remove same, well kicked off, reset hanger. NU BOP, SWI, SDFN

10-29-2003 Blow well down & kill with produced water, ND BOP, pulled hanger & removed from string, NU BOP. Attempt to release pkr, no movement in pkr, calculate pipe stuck high around 6400', could not release pkr. Wait on Wireline Specialties & Baker Fishing tools. RU Wireline Specialties & freepoint tbg, had trouble getting good reading pulling between 45 & 55K had to increase pull range to 55-65K, pipe 100% free at 6300', 90% free at 6350' & 85% free at 6375', 0% free at 6400'. Have tight spots in tbg at 4475' and 4250', SWI, SDFN.

10-30-2003 SICP 360#, blow well down. RIH with slim hole chemical cutter, set down at 7102', could not work deeper, POOH with cutter. RIH w/ string shot & set off at 7058'-67'. RIH & chemical cut 2-3/8" tbg @ 7066'. Work tbg to 65K, tbg dragging, started pulling free after 4 stds, PUH 26 stds total & RD Wireline Specialties. TOOH w/ 2-3/8" tbg, recovered 112 stds & 1 cut off jt, SWI, SDFN.

Please file mechanical integrity remediation plans by June 1, 2004. Continued on Back

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

Signed Tracy Ross
TRACY ROSS

Title SR. PRODUCTION ANALYST Date April 2, 2004

ACCEPTED FOR RECORD

(This space for Federal or State office use)

Approved by _____

Title _____

Conditions of approval, if any:

MAR 19 2004

FARMINGTON FIELD OFFICE
BY [Signature]

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

10-31-2003 SICIP 320#, blow well down, pump 20 bbls to kill well. PU 3-7/8" bit, 4 1/2" scraper, BS with float & TIH to 3776', circulate well. Finish TIH to top of fish @ 7066', circulate well, recovered scale and shale, circulate clean. TOOH w/ bit & scraper, LD same. PU Weatherford RBP & pkr, tried to TIH, RBP would not start in csg, wait on new BP dressed for heavier csg. MU new RBP, TIH w/ 34 stds to 2155', secure location, SDFN.

11-01-2003 SICIP 320#, blow well down to flow back tank. Finish TIH with RBP, set RBP at 7016'. PUH 60' and pressure test RBP, pkr & tbq, tbq leaking. PUH 29 stds to 5215', reset pkr & test, locate hole, LD jt, tbq still leaking. PUH 23 stds to 3376', reset pkr, tbq still leaking. Release pkr & TOOH, secure location, SDFN.

11-02-2003 SICIP 280#, blow well down. Spot in trailer & PU pkr & SN, RIH. PU 2-3/8" work string, testing in hole for holes in csg at 2900', pump down tbq at 1 bpm at 500#, pump down csg with 32 bbls no pressure @ 3829', 4792' & 5788', pump down tbq at 1/2 bpm at 500#, at 6336' & 6087', pressured tbq ok. Release pkr and leave swinging free, secure location, SDFN.

11-03-2003 SICIP 370#, blow well down & kill well. Reset pkr @ 6027', pumped in at 1/4 bpm at 500#. TOOH for RTHD, well flowing, hard to kill. TIH with RTHD & pkr, well flowing & hard to kill. Tag 12' of fill on top of RBP, wash fill off RBP & release. PUH and reset pkr at 5914', reset pkr @ 5883' and test RBP, ok. Release pkr and left swinging free, secure location, SDFN.

11-04-2003 SICIP 370#, blow well down and kill well. Set pkr testing tbq to isolate csg leak, 2nd leak at 5807'. RIH and circ fill off top of RBP, release and PUH and reset RBP at 4620', set pkr at 4558' and test rbp-OK. PUH to 2435' and test csg to RBP-OK, release pkr. TOH with compression pkr and lay down, PU tension pkr and TIH, having to fight water flow. Isolate top leak with tension pkr and RBP 999' to 1873', total of 874'. RIH below leak and dump 2 sks sand on RBP, PUH and left pkr swinging free at 760', secure location, SDFN.

11-05-2003 RU BJS, set pkr at 760'. Mix and pump 450 sks Type III mixed at 14.6 ppg with yield of 1.39 cu.ft., pump in at 300#, stop and wash lines, start disp. PP-600# at .5 bpm, shut down at 4.5 bbls, shut down and wait 20 min, pump 1.5 bbls at .2 bpm, SWI at 600#. RD BJS, secure well, SDON to WOC.

11-06-2003 SICIP-slight vacuum, pressure tbq & squeeze to 500#-OK, release pkr & TOOH. PU bit, BS, DC's & XO, TIH on 2-3/8" WS, tag cmt at 945', RU power swivel to drill cmt. Drill cmt from 945' to 1278', testing every jt to 500#, OK to 1248', from 1248' to 1278' pressured to 500# and bled off 250# in 2 mins, could not pump into leak. Circulate well clean, PUH 2 jts, secure well, SDFN.

11-07-2003 RIH, tag cmt at 1278', drilled and washed soft cmt 1278' to 1880'. Circualte clean, pressure test to 500#, lost 250# in 2 min, same as at 1278'. Hang swivel & RIH to 1955', no cmt stringer, TOOH with bit, stand back DC's, then TIH open ended to 939'. SWI, drain up pump & lines & SDFN.

11-08-2003 RU BJ Services, prime pumps, pressure test lines, held BH safety meeting, finish TIH, bottom of tbq @ 1470'. Spot 25 sks Type III cmt mixed at 14.6 ppg with 1.39 yield from 1470' to 1070'. RD BJS & TOOH with tbq. RU BJ on csg & hesitate squeeze to 600# with 1 bbl put away. SWI, RD BJS, SDFN.

11-09-2003 SICIP - 100#, bled well down, no flow, pressured to 500#, OK. TIH w/ bit & DC's on 2-3/8" tbq, tag at 1140', PU swivel. Drill cmt from 1140' to 1248', testing each jt to 500#, OK, drill from 1248' to 1278', pressure test to 500#, lost 200# in 2 min, repressured to 500#, lost 400# in 8 min. Drill to 1309' and circulate clean. TOOH w/ 2-3/8" tbq & stand back BHA. TIH w/ 2-3/8" tbq, open ended to 939', drained up pump & lines, SWI, SDFN.

11-10-2003 Finish TIH with tbq to 1309'. RU BJ Services & prime pumps. Mix & pump 4.5 bbls Type III cmt with fluid loss & CaCl₂, spot from 1309' to 1065'. RD cmt lines & TOOH with tbq. RU on csg valve & hesitate squeeze cmt leak to 600#, well bleeding back to 480#, squeezed .7 bbls cmt into leak with 4 hesitations, no fluid movement on last pressure up, SWI. Wash up cmt truck, wash out rig pit & haul off earth pit, SDON.

11-11-2003 SICIP - 200#, bled well down, no flow, pressure test to 500#, holding OK. TIH w/ bit & BHA on 2-3/8" tbq, tag cmt top at 872'. PU swivel, drill cmt to 1248', pressure test to 500#, had 50# bleed off. Drill cmt from 1248' to 1278', pressure test to 500#, had 500# bleed off, pull test plug out of wellhead, possible leak in secondary seals in well head. Drill cmt from 1278' to 1372', circulate clean, PUH 30', secure location, SDFN.

11-12-2003 Drill cmt @ 1510', RIH to 1541' not stringers. Circulate csg clean, pressure test csg head, would not test, head leaking. Pressure test csg to 500#, had 50# bleed off in 2 min. TOOH with bit. PU tension pkr & RIH 1 std, set pkr & test csg above pkr to 500#, lost 50# in 2 min, leaking in well head, pressure test csg below pkr to 500#, lost 10# in 8 min. Pump well head with plastic & test, OK. Release pkr and pull 1 std, LD pkr. PU bit & scraper, TIH to 1940', SWI, SDFN.

11-13-2003 Check pressure - 0#, TOOH with tbq & scraper. PU & TIH w/ RTHD & pkr on 2-3/8" tbq, tag fill on RBP at 4600'. RU & reverse circulate sand & fill off RBP to 4620', circulate clean. RIH & set RBP at 6197', PUH & set pkr @ 6134', test RBP would not hold. Release pkr & RBP, reset RBP at 6260', PUH & reset pkr @ 6197', test RBP, held OK. Release pkr & dump 2 sks sand on RBP. PUH 10 stds, drain lines & pumps, SDFN.

11-14-2003 RIH with pkr at set at 5885, RBP at 6260', holes at 6027 and 5807'. RU pump and pump down csg, could not catch pressure, had slight blow up tbg, release pkr and PUH. RU BJ Services to squeeze holes in csg. Wait on water trucks, had trouble spotting equipment and water trucks due to mud. Held BJ Safety meeting and pressure test lines. Pkr set at 5632', pressure csg to 500#, mix and pump 50 sks Type III with fluid loss, mixed at 14.6 ppg, yield 6.63, followed by 102 sks Type III neat with 2% CaCl₂, mixed at 14.6 ppg, yield 6.64, displaced with 22.8 bbls displacement, 1 bbl below pkr, hesitate squeeze to 800#, hold pressure. Release pressure, no flow back, release pkr and reset at 5508', re-pressure tbg to 500#-holding ok, SWI, RD BJ Services and SDON

11-15-2003 SITP = 550#, held 500# OK, release pkr & TOO H. RIH w/ bit & BHA on 2-3/8" tbg, tag cmt at 5699'. Drill cmt 5699' to 6085', pressure test to 500#, lost 10# in 8 min. Circulate csg clean & PU 40', SWI. Drain up lines and pump, SDON.

11-16-2003 RIH, finish drilling cmt from 3085' to 6102', RIH to 6147', no cmt, circ hole clean. Test csg to 500#, lost 20# in 10 mins, hang swivel & TIH to RBP, wash sand off top of RBP @ 6260'. TOO H w/ bit & std back DC's. PU RTHD, TIH to RBP. Reverse circ over RBP, could not latch up on RBP. TOO H with RTHD, RTHD had cmt packed inside. Drain pump & lines, SWI, SDFN.

11-17-2003 Attempt to RIH w/ 3-7/8" shoe, could not get into top of 4 1/2" csg, wait on new 3 3/4" shoe. PU & TIH w/ 3 3/4" shoe, CO on top of RBP, recovered shale, cmt & formation sand. TOO H to shoe. TIH w/ RTHD, bumper sub, jars, DC's & 155 jts 2 3/8" tbg. Drain pump & lines, SWI, SDFN.

11-18-2003 Finish TIH, wash over top of RBP, latch onto RBP & release same. TOO H w/ RBP & BHA. Mill top of csg in csg head w/ 3-7/8" mill. TIH w/ 3 3/4" shoe, 6 jts wash pipe & BHA to 3600', unload csg with air. Finish TIH to 7093', attempt to unload hole, could not unload, possibly pumping into perms. Hang swivel & PUH 2 stds, drain pump & lines, SWI, SDFN.

11-19-2003 PUH to 5200', unload csg. TIH, unload well at 7102'. Wash over 2-3/8" tbg from 7102' to 7282', circ clean. TOO H w/ wash pipe & BHA. Attempt to TIH w/ cutter, could not get 3-7/9" OD cutter through top of 4 1/2" csg. Drain up pump & lines, SWI, SDFN.

11-22-2003 SICP-400#, bled well down. MU tapered mill, BS & watermelon mill on DC, work through top of csg. MU mechanical cutter on wash pipe, TIH. Cut tbg at 7237' & PUH 5 stds. Drain up pump & lines, SWI, SDFN for weather.

11-24-2003 TOO H w/ BHA & wash pipe, recovered & LD 5 jts 2-3/8" tbg & two cut off pieces. PU 3 3/4" overshot on 2-3/8" tbg & tag top of fish @ 7237'. Latch onto fish at 7237', work stuck pipe, pkr had movement, worked pipe & moved up hole 20' pulling free. RU Wireline Specialties & RIH w/ CCL, located pkr and moved pipe up 20', pkr moved up hole 20' as well, POOH, RD Wireline Specialties. TOO H w/ tbg & overshot, recover 1 cut piece, 7 jts tbg, pkr, 12 jts tbg, F nipple, 1 jt with reg collar. Drain up & SWI, SDFN

11-25-2003 Bled csg down, had 350# shut in pressure on csg. MU bit & BS on 2-3/8" tbg & TIH, tag fill @ 7942'. Attempt to unload well @ 7942', could not unload. PUH to 6700', unload well. RIH to 7942', unload well. Wash out fill from 7942' to 8070' PBTD, circ clean. TOO H to 6700', drain up pump & lines, SWI, SDFN.

11-26-2003 Bled csg down, SICP - 700#. TOO H w/ bit, BS & 2-3/8" tbg. RU Black Warrior & set CIBP at 7350' & set CMRT at 6695' on wireline, RD Black Warrior. TIH w/ stringer on 2-3/8" tbg to CMRT. RU BJ Services & load csg with produced water. Sting into CMRT & est inj rate 1.5 bpm at 1100#. Mix & pump 18 bbls Type III cmt with 2% CaCl₂ at 14.6 at 1.37 yield, pumped 22 bbls displacement, put 13.5 bbls cmt below CMRT & squeezed to 1870#, stung out of retainer. Reverse circ 4.5 bbls cmt to pit, RD BJ Services. TOO H with 16 stds 2-3/8" tbg, drain lines & SWI-SDFN.

12-01-2003 TOO H w/ 2-3/8" tbg & stinger. LD wash pipe. TIH w/ bit, BS, DC's, XO on 2-3/8" tbg, tag cmt ret at 6695', PU swivel & prepare to drill. Circ csg & test to 500#, lost 20# in 10 min. Drill cmt ret & cmt to 6743', circ clean. PUH 30', drain pump & lines, SWI, SDFN.

12-02-2003 RIH, tag at 6743' & break circ. Drill cmt from 6743' to 6989', XO on swivel broke. Wait on new XO from town, pusher brought out wrong XO, drain pump & lines, SWI, SDFN.

12-03-2003 PU swivel & install new swedge. RIH & drill cmt 6989' to 7312', fell out of cmt at 7312'. Circ csg clean. Pressure test secondary seal in hanger, pumped up to 1000#, fell to 0#, pumped more plastic into head, held pressure OK, RU Antelope pump on csg & pressure test csg to 500#, lost 225# in 20 min, RD Antelope. Hang swivel & TOO H with 92 stds tbg, drain pump & lines & SDFN.

12-04-2003 Finish TOO H w/ tbg, DC's & bit. TIH w/ pkr, isolate csg leaks 1044' to 1283', squeeze below 1283' holding OK, TOO H w/ pkr and TIH open ended to 1321'. RU BJ Services and held safety meeting, pressure test lines to 1500#, pump 5 bbl FW spacer, shut down and batch mix Premium Lite High Strength cmt at 12.5 ppg with 2.0 yield, pump cmt and spot across csg leaks, TOH with tbg and RU BJ on csg valve, load csg and pressure csg to 500#, lost 150# in 20 mins, repressure csg to 500#, SWI, clean up equipment, RD BJ and SDFN.

12-08-2003 SICP - 0#, TIH, tag cmt at 1035', PU swivel. Drill cmt from 1035' to 1324'. Circ well clean at 1324'. RU Antelope & pressure test csg to 500#, losing 100# in 10 min & 150# in 30 min. Hang swivel and TIH to 2800', unload csg, TIH to 4300', could not unload. Drain up pump & lines, SWI, SDFN.

12-09-2003 PUH to 4000', stage in hole unloading well, tag fill @ 7340'. CO fill & drill CIBP, circ csg clean. Finish TIH to 8070' (PBSD). Circ csg clean. PUH 10 stds, drain pump & lines, SWI, SDFN.

12-10-2003 SICIP - 380#, bled well down. TIH 10 stds & unload well, recovered 25 bbls fluid & jet on well. TOOH, LD DC's & bit. TIH w/ old production tbg. POOH, LD 25 jts tbg. Drain pump & lines, SWI, SDFN, air unit released.

12-11-2003 SICIP - 280#, bled well down. Finish POOH, LD old production tbg. TIH w/ 1 jt 2-3/8" tbg w/ notched collar on bottom, std SN, 189 jts 2-3/8" tbg, Model "R" pkr & 65 jts 2-3/8" tbg. Wait on pack-off & RU broaching tool on sandline, RU & RIH w/ 2-3/8" broach to SN, POOH, RD sandline. Install hanger & land tbg @ 7980', set pkr @ 2035' w/ 5 pts on hanger, SWI, SDON.

12-12-2003 ND BOP & NU tree. Clean rig pit, blow back tank & RDMO A-Plus rig #8 & equipment. Rig released @ 1500 hrs, 12/12/03.