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## State of New Mexico

Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, NM 87505 WELL API NO. 30-039-27597

Indicate Type of Lease

**STATE** 

State Oil & Gas Lease No. E-3095

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH **PROPOSALS** 

Lease Name or Unit Agreement Name:

**ROSA UNIT** 

Type of Well:

Oil Well Gas Well Name of Operator

Well No.

WILLIAMS PRODUCTION COMPANY

26C

Address of Operator

811 South First, Artesia NM 88210

1000 Rio Brazos Rd., Aztec, NM 87410

Pool name or Wildcat NSL-4624-A **BLANCO MV/BASIN DK** 

P O BOX 3102, MS 25-2, TULSA, OK 74101 Well Location (Surface)

Unit letter I: 2605 feet from the SOUTH line & 120 feet from the EAST line Sec 32-31N-05W RIO ARRIBA, NM

10. Elevation (Show whether DF, RKB, RT, GR, etc. 6571' GR

Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

**NOTICE OF INTENTION TO:** 

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL

PLUG AND ABANDON

REMEDIAL WORK

**ALTERING CASING** 

WORK

OTHER:

TEMPORARILY ABANDON

**CHANGE PLANS** 

COMMENCE DRILLING OPNS.

**PLUG AND ABANDONMENT** 

PULL OR ALTER CASING

CASING TEST AND CEMENT JOB

OTHER: Completion

Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103.

09-01-2004 MIRU, NUBOPs & blooie line, SDFN.

09-02-2004 Finish RU blooie line. Remove thread protectors, tally/caliper DC's, tally top row of 2 7/8" AOH DP. PU & TIH w/4 3/4" tooth bit, 20 3 1/2" DC's & 35 jts 2 7/8" AOH DP – SDFN.

Continued on Back

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE(

TITLE: SR. Production Analyst DATE: July 24, 2006

Type or print name\_

TRACY ROSS

Telephone No: \_(918) 573-6254

(This space for State use)

DEPUTY OIL & GAS INSPECTOR, DIST. &

TITLE

DATE JUL 26 2006

Conditions of approval, if any:



09-03-2004 Tally, PU & continue in w/bit. Tie back on single line, PU & continue in w/bit. Wait out down pour & lightning storm. PU & continue in w/4 3/4" bit, BS, 20 3 1/2" DC's, 240 jts 2 7/8" AOH DP to 8151'. RU 3.5 power swivel, - SDFN.

<u>09-07-2004</u> Fuel up swivel power pack & start same. Break circ w/fw, pres test csg & BOPs to 2000 psi & held. DO hard cmt, flt clr, shoe jt & shoe f/8073'- 8191' & stop making hole. Circ hole clean. Hang swivel back, TOOH w/52 stands. RU on 2 lines, TOOH w/bit – SDFN.

<u>09-08-2004</u> RU Black Warrior, run GR/CCL/CBL f/8191'- 3000', TOC @ 3465', RD BWWC. MU tools, TIH 4 3/4" junk mill, & 20 dc's, drill line crossing over on drum. Tie back on single line. Continue in w/mill to 6940'. SDFN.

09-09-2004 Continue in w/mill to 8180'. RU power swivel, break circ w/FW. Mill on bttm & make 1' f/8191'-8192' w/2k WOB @ 100 rpm. Circ hole clean, SDFN.

<u>09-10-2004</u> Hang swivel back, LD 2 jts, TOOH, RU on 2 lines. Continue out w/mill, RD power swivel (packing needs to be replaced). MU hammer drill & surface test, MU tools, TIH w/DC's. Tie back on single line. Stage in w/hammer to 6270', unload well w/air only every 2000'. Unload well from 6270' w/air only, pump oil slug thru hammer, SDFN.

09-11-2004 Cont in w/hammer to 7525'. Unload well f/7525' w/air only. Cont in w/hammer to 8180', C/O stripper rubber. RU power swivel. Unload well f/8192' w/air only, run 1 bbl sweep w/5 gal soap, dry well up, swap over to N2. Hammer drlg f/8192'- 8345' kb w/94% N2. Circ hole clean. Lay down 2 jts 2 7/8" DP & hang up @ 8280', fire up N2 unit, work hammer thru tight spot, PU bit inside csg to 8160', SI & SWFN.

<u>09-13-2004</u> SICP = 50 psi, blow well down. Hang swivel back. TOOH w/60 stds, had to clean dies & slips every 6 to 8 stds, cuttings stuck to DP. Attempt to break circ w/air mist to clean up pipe, pres up to 1500 psi, hammer plugged. Continue out w/hammer, had gas flow out stripper rubber, no flow out csg valves or blooie line. Flush out BOPs, blooie line & csg valves w/prod wtr. Continue out w/hammer, same problems dealing w/cuttings, break out & load out hammer, well has light blow, SI & SWFN.

<u>09-14-2004</u> SICP = 175 psi w/leak on WH, blow well down, service equip & MU tools. TIH w/4 3/4" bit, shut down 3 times to let brakes cool & clean slips, tag fill in csg @ 8162'. RU 3.5 power swivel, break circ w/12 bph a/s mist. CO f/8162'- 8198', tight spot @ 8191'(shoe) PU bit to 8182'. Run 6 bbl sweep, circ clean, SDFN.

<u>09-15-2004</u> Break circ w/12 bph a/s mist. CO f/8197'- 8345' (td), run three 6 bbl sweeps, circ clean. LD 2 jts, hang swivel back. POOH laying down w/135 jts 2 7/8" AOH DP, SDFN.

<u>09-16-2004</u> LD 2 7/8" drill pipe, LD BHA. RD 3.5 power swivel, RU Halliburton. RIH w/ induction gamma ray tool, got top of tool 50' out of csg & tagged, went to pull up tool was stuck, attempt to work free, unable to work free, top of tool @ 8247', bottom @ 8294', consulted w/ Halliburton, M. Turnbaugh, K. Place, will cut & strip to fish tool, SIWFN, rel. crew.

<u>09-17-2004</u> Work W.L from 7600# down to 1400#, tool went downhole, cont to work, logging tool came free, POH. RD loggers, install new brass & packing in swivel. RU blocks from 6 lines to 4 lines. Tally & PU 2 7/8" tbg, TIH w/ 4 3/4" bit, 90 jts. in hole, SIWFN.

<u>09-18-2004</u> Csg press = 200 psi, bd on 2" line. Tally 2 7/8" workstring on flt, PU & cont, TIH. Cont PU workstring. Change out stripping rubber, RU power swivel. Bit @ 8187', circ. w/air only, unloaded 30 - 40 bbls of water - .75 hr, st 12 bph mist, 45 min. to get circ., tag fill or tight spot @ 8210', circ. very poor, cont. to work pipe, pump 5 bbl sweep, never got sweep back, worked pipe down to 8218', ret's very poor. PU to 8151', 257 jts hanging on swivel, bypass mist, circ air only .5 hr, SWI till Monday.

09-20-2004 SICP = 250 psi, blow well down. Weekend storm swamped loc, re-level rig, get wtr truck to pull loads from pit. Break circ from 8180' w/12 bph a/s mist. Work bit up & down through tight spot f/8208'- 8216', run 6 bbl sweep. CO from 8216'- 8345' w/12 bph a/s mist, run 6 bbl sweep. Blow well w/air only. LD 6 jts, PU bit to 8151', hole still sticky, had to work several jts back through. RU 1" open line to test, turn over to flowback, flow natural on 1".

99-21-2004. Hang power swivel back, RU on 2 lines. TOOH w/bit, RU Black Warrior Wl, WL set 5 1/2" CIBP @ 8180', RD BWWC. TIH open ended to 6320', SDFN.

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- , <u>09-22-2004</u> Cont in open ended to CIBP @ 8180'. RU swivel, load csg w/200 bbls 2% kcl, circ clean. Pres test csg & BOPs to 3600 psi & held. LD 1 jt, RUBJ, PU tbg to 8138', spot 250 gals 15% hcl acid across DK interval, RDBJ. TOOH w/ tbg. RU Black Warrior Wl, perforate DK bttm up 3 SPF w/3 1/8" HSC, 120 deg phasing, .45" dia, 15" pen & 11.19 grm chgs @ 8040', 49', 54', 84', 88', 94', 8100', 06', 11', 22', 25', 32' & 36', made 4 runs, all shots fired 39 total, RD BWWC, SION.
- 09-23-2004 Pressure down backside @ 700 psi, SI to let pressure equalize, surge up backside to free bridge, repeat procedure, rets trace coal & mist, well still bridged. SI for nat build up, 4 hr SICP = 590 psi. SU equip, nat surge while working DP & bridge came loose, rets hvy 1/2" coal, med wtr. Surge f/ shoe @ 800 psi w/ 12 bph a/s mist, rets light coal & very light wtr, NF 1 hr. Surge well @ 1000 psi w/ two 5 bbl pads & 10 bph a/s mist, rets med 1/2" coal & med wtr, NF 1 hr. Surge well @ 1000 psi w/ two 5 bbl pads & 10 bph a/s mist, rets med 1/4" to 1/2" coal, med wtr, NF 1 hr. Surge well @ 1000 psi w/ two pads & 12 bph a/s mist, rets coal & wtr, NF 1 hr. Surge well 4 more times f/ shoe @ 1000 psi w/ two pads & 10 bph a/s mist, rets on all surges was hvy coal 1/2" to 1" in size & med wtr, NF each surge for 1 hr.
- <u>09-24-2004</u> Flow back on 1/8" choke, starting pres @ 1250 psi, rets' broken gel & N2. Finish cleaning up after hydromatic C/O, steam clean rig, turn over to flow back, flow back on 1/8" choke, ret's broken gel & N2, no sand. Flow back on 1/8" choke, starting pres @ 1100 psi, ending pres @ 1000 psi, ret's broken gel, N2 & no sand.
- 09-25-2004 Flow back on 1/8" choke, starting pres @ 1000 psi, ending pres @ 1000 psi, ret's broken gel, N2 & no sand.
- <u>09-26-2004</u> Flow back on 1/4" choke, starting pres @ 1000 psi, ending pres @ 400 psi, ret's broken gel, N2 & no sand. Flow back on 1/2" choke, starting pres @ 400 psi, ending @ 100 psi, ret's broken gel, N2 & gas w/trace sand.
- <u>09-27-2004</u> NU mud cross, stripper head & swing. MU tools, TIH w/bit, tag 108' of fill @ 8072'. RU power swivel, break circ w/8 bph a/s mist. CO f/8072'- 8180', ret's hvy sand, run two 5 bbl sweeps. Blow well w/air only, hang swivel back. TOOH w/45 stands, well kicking up tbg, float stuck open.
- <u>09-28-2004</u> SICP = 1200 psi, blow well down, kill tbg w/10 bbls 2% KCl, TOOH w/bit. ND stripper head, NU lube head, RU Black Warrior WL, set 5 ½" CIBP @ 6100'. ND lube head, NU stripper head. TIH open ended to 6030'. RU BJ, load csg w/130 bbls FW, circ clean. Pres test csg to 3600 psi & held. Spot 500 gals 15% HCL acid across PLO interval, RDBJ. TOOH w/tbg. Perforate PLO, top down in acid 1 spf w/3 1/8" SFG, 0.34" dia, 19" pen & 11 gram chgs @ 5845', 48', 52', 56', 60', 64', 68', 72', 76', 80', 86', 92', 98', 5902', 06', 10', 14', 18', 24', 28', 34', 38', 41', 44', 51', 57', 62', 67', 72', 76', 80', 84', 88', 94', 98', 6002', 08', 16', 22' & 28', all shots fired (40 total). ND stripper head-mud cross & swing, NU frac Y, ready to frac, SDFN.
- 09-29-2004 RU BJ Services, pressure test lines to 5400 psi. Breakdown PLO @ 1900 psi, est inj rate of 25 bpm @ 1440 psi, acdz PLO w/1000 gals 15% HCl acid & 60 ball sealers @ 25 bpm, ball off @ 3600 psi. Recover 59 balls w/38 hits. Frac PLO w/9300 lbs 10/40 Lite Prop 125 ahead @ 0.1, 0.2 & 0.3 ppg, tailed in w/5000 lbs 20/40 Brown sand @ 1 ppg carried in slickwater, MIR= 96 bpm, AIR= 89 bpm, MTP= 3614 psi, ATP= 3330 psi, ISIP= 604 psi, 5 min=30 psi, total fw= 2224 bbls, total FRW= 90 gals. WL set 5 ½" CIBP @ 5790". Pres test csg to 3600 psi. Perforate CH/Men bttm up under 2000 psi 1 spf w/3 1/8" sfg, .34" dia, 19" pen & 11 grm chgs @ 5566' 69' 5603' 05' 07' 09' 11' 15' 18' 22' 26' 30' 44' 49' 54' 58' 60' 62' 64' 75' 78' 82' 84' 86' 93' 96' 98' 5706' 10' 20', all shots fired, 30 total. Breakdown CH/Men @ 1620 psi, est inj rate of 15 bpm @ 1100 psi, acdz w/ 1000 gals 15% hcl acid & 45 ball sealers @ 20 bpm, good action, ball off @ 3600 psi. Recover 23 balls w/23 hits. Frac CH/Men w/9300 lbs 14/30 Lite Prop 125 ahead @ 0.1, 0.2 & 0.3 ppg, tailed in w/10,800 lbs 20/40 Brown sand @ 1 ppg carried in slickwater, MIR= 81 bpm, AIR= 80 bpm, MTP= 3640 psi, ATP= 3380 psi, ISIP= 535 psi, 5 min = 321 psi, 10 min = 170 psi, 15 min = 110 psi, total fw= 2089 psi, total FRW= 86 gals, SWI, RD BJ Services, SDFN.
- <u>09-30-2004</u> ND frac Y, NU swing & stripper head, RU rig floor. MU tools, stage in 4 3/4" mill, unload well w/air only every 30 stands, tag cibp @ 5790' (no fill). RU swivel, blow well w/air only f/5790', ret's hvy war. RD swivel, PU bit above top perf to 5500', put yellow dog on line, turn over to flowback, flow natural & evaporate pit w/8' flare.
- 10-1-2004 Air hand unload & blow well w/air only from 5500' from 0600 hrs to 0715 hrs. Flow well natural. TIH & tag 22' of fill @ 5768'. RU power swivel, break circ w/14 bph a/s mist. CO to CIBP @ 5790'. Mill out CIBP w/14 bph a/s/ci mist. Hang swivel back, let well unload. Cont in w/ mill, stack out @ 6015', 85' of fill. RU power swivel, break circ w/14 bph a/s/ci mist. Mill on & push bttm 1/2 of CIBP to 2nd CIBP @ 6100'. Mill out bttm 1/2 of CIBP, mill off top of 2nd CIBP @ 6100' w/14 bph a/s/ci mist. Hang swivel back. PU mill to 5797', turn over to flowback, flow natural & evaporate pit.

10-02-2004 Flow natural & evaporate pit.

10-03-2004 Flow natural & evaporate pit.

10-04-2004 TIH & tag CIBP @ 6100'. RU power swivel, break circ w/14 bph a/s mist. Mill on CIBP, not making any hole. Hang swivel back. TOOH w/mill, drag coming off bttm. Break out mill, CO float, MU 4 ¾" bit. TIH w/bit to CIBP @ 6100', had to cool down brakes 8 stands out. RU power swivel, break circ w/14 bph a/s mist. Drill on CIBP w/ same results (not drlg off). PU bit to 6050', turn over to flow back, flow natural & evaporate pit.

10-05-2004 Tag CIBP, break circ w/14 bph a/s mist. Drill on plug w/same results (no hole). Hang swivel back, TOOH inspecting tbg. Drop standing valve, TIH w/10 stands, load tbg & pres test to 1000 psi & held, TOOH w/tbg, LD stand valve & bit, MU mill. TIH w/mill, tag CIBP @ 6100'. RU power swivel, break circ w/14 bph a/s mist. Mill & spud on CIBP @ 6100', sweep well every 20 min, returns some metal chunks every sweep. PU mill to 6070', SDFN.

<u>10-06-2004</u> Tag CIBP, break circulation w/ air and 15 bph mist. Drill CIBP. Drill on and push plug to 8175'. Circulate on bottom. LD 2 7/8" tbg. Secure location, SDON.

<u>10-07-2004</u> RU Black Warrior Wireline w/ full luberator. Set Weatherford Model D packer @ 6200!. RD wireline, spot tubing trailers @ well, NU offset spool, change center bore to offset rams, strap tubing. PU 2 1/16" tubing, ran 61 jts tubing below seal assembly, ran 193 jts tubing above seal assembly, space out w/ 10', 8' & 2' subs one jt below donut. Over all length-8122.37' set @ 8134' w/ mule shoe on bottom, 1.5" ID seating nipple one jt off bottom set @ 8101', land long side, secure location, SDON.

10-08-2004 Csg pressure - 750 psi. Install offset rams, NU offset spool. Strap and PU 2 1/16" tubing; land tbg, ran 192 jts (6034.55') 2 1/16" 3.25#, IJ tubing w/ orange peeled perforated sub on bottom, 1.25" ID seating nipple one jt up @ 6008', landed tubing @ 6046.55'.> ND BOP, NUWH, pressure test secondary seal, good test. Pump off plugs, flow tubing. Rig down, ready to move, job complete @ 1800 hrs, 10/08/2004.

PLT 7-12-05 (april 8-8-05 HV)