

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

SUBMIT IN TRIPLICATE

1. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	5. Lease Designation and Serial No. SF-078765
2. Name of Operator WILLIAMS PRODUCTION COMPANY	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. PO BOX 3102 MS 25-1, TULSA, OK 74101 (918) 573-6254	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1005' FSL & 680' FEL, SE/4 SE/4 SEC 5-31N-06W	8. Well Name and No. ROSA UNIT #236A
	9. API Well No. 30-045-31773
	10. Field and Pool, or Exploratory Area BASIN FRUITLAND COAL
	11. County or Parish, State SAN JUAN, 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>Drilling/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.)*

09-29-2003 MIRU, mix spud mud, drill RH & MH. Spud surface hole @ 2000 hrs, 09/28/03. Drill 12 1/4" hole from 0' to 310', circulate, TOOH. RU csg crew, run 6 jts 9-5/8", 36", j55 csg, landed @ 298'. RU BJS, run 10 bbls FW pre-flush. Cmt w/ 155 sxs (39 bbls) Type III cmt w/ 2% CaCl & .25 pps Celloflake mixed @ 14.5 ppg, 1.41 YD. Displace w/ 21 bbls FW to 274'. Late pump pressure 75 psi. Circulate 21 bbls cmt to surface. RD BJS. Gabe Trujillo of the BLM was notified of job but hit a deer on the way to location deploying air bag, all OK, told to proceed without BLM presence. WOC.

09-30-2003 WOC, NU BOP's. Test BOPE, rams, choke manifold & associated vavles to 250 lo/ 1500 psi hi, all tested. Test csg to 1500 psi for 30 min, held. TIH, tag cmt @ 260'. Drill cmt, drill 8 3/4" hole from 310' to 1109'.

10-01-2003 Drill 8 3/4" hole from 1109' to 2448'.

10-02-2003 Drill 8 3/4" hole from 2448' to 2993'. Drilling break @ 2989', drilled 4' more, PU & call geologist for TD. TD 8 3/4" intermediate hole @ 2993'. Circulate & condition hole. Short trip to 3 1/2" HWDP. Circulate & condition hole, TOOH, LDDC's. RU csg crew, X/O rams, RU csg crew. Run 66 jts 7", 20#, J-55, ST&C csg to 2986', float collar @ 2939'. Circulate & land mandrel. RU BJ SVCS, cmt csg as follows: pump 15 bbls FW spacer ahead. Lead: 380 sxs (140 bbls) Prem Lite FM w/ .25% Celloflake & 8% Bentonite @ 12.1 PPG, 2.08 YD. Tail: 50 sxs (13 bbls) Type III w/ .25% celloflake @ 14.5 ppg, 1.4 YD. Displaced w/ 119 bbls FW. Bumped plug @ 05:46 hrs w/ 1625 psi. Circulate 40 bbls cmt to surface, check float, held OK. RD cementers.

Continue on Back

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

Signed Tracy Ross
Tracy Ross

Title Production Analyst

Date December 2, 2003

(This space for Federal or State office use)

Approved by _____

Title _____

Date DEC 11 2003

Conditions of approval, if any:

FARMINGTON FIELD OFFICE

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

10-03-2003 ND BOP, install tbg head, NU BOP, X/O rams to 3 1/2". X/O Kelly, tools & DC. Test BOP to 1500#, tested OK. PU BHA & TIH. Test pipe rams, tested OK. Install rotating head, TIH. Drill cmt & float equipment. Drill 6 1/4" hole from 2993' to 3206'. Circulate & condition hole.

10-04-2003 PU under reamer, TIH. Break down stds of DP in derrick. Under ream from 3000' to 3182' w/ 268 gpm & 1200 psi. Under ream TD is 20' below lowest coal logged. Lost 180 bbls of fluid while under reaming. Circulate & condition. LDDP & BHA. Land donut w 2-7/8" BPV.

10-05-2003 RU tree. Release rig @ 1000 hrs, 10/4/03. Move rig to Rosa Unit # 339A.

10-28-2003 Load out equip, clean up loc. Spot in ramp & rig, RU rig. SICP = 775 psi, blow well down, ND WH, NU BOP's & HCR stack & blooie lines. PU drill collars out of basket, tally & caliper same. Tally in w/ 6 1/4" bit, bit sub, eight 4 3/4" drill collars & 86 jts of 2 7/8" AOH drill pipe to 2986'. PU power swivel from skid, SI BOP's get ready for surge, PU tools & turn over to night crew. Surge well f/ 2986', HCR's leaking, tighten flanges, surge well w/ 8 bph a/s mist @ 600 psi, rets light coal & wtr, flow natural for 1 hr, appr. 5' flare. Surge well w/ 10 bph a/s mist @ 600 psi, rets light coal & wtr, flow natural for 1 hr.

10-29-2003 Surge well w/ 10 bph a/s mist @ 700 psi, rets light coal & wtr, flow natural for 2 hrs. Shut well in for natural build up. Travel to loc, hold safety mtg. Natural surge, 4 hrs = 275 psi, rets light coal & light wtr. Work on new BOP's f/ Totah, O ring in blind ram door was no good, build new O ring. Tally in w/ 8 jts of 2-7/8" AOH DP, tag fill @ 3140'. Break circ w/ 10 bph a/s mist, C/O 42' of fill f/ 3140' to 3182'. Run three 5 bbl sweeps, rets med coal, 1/2" to 3/4" in size & med wtr. Blow well dry. TOOH w/ bit. PU power swivel & 1 drill collar & bit, SI BOP's for pitot test. Gauge well on 2" open line, to low to read. Surge f/ surface w/ 10 bph a/s mist @ 800 psi, rets light coal, med wtr flow natural for 1 hr. Surge well w/ 15 bph a/s mist @ 800 psi, rets light coal & wtr, flow natural for 1 1/2 hrs. Surge well w/ 15 bph a/s mist @ 900 psi, rets light to med coal, med wtr, flow natural for 1 hr.

10-30-2003 Surge well w/ 10 bph a/s mist @ 900 psi, rets light to med coal, med wtr, flow natural for 1 1/2 hr. SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 250 psi, rets trace coal & med wtr, flow natural for 45 min. Surge well f/ surface w/ 15 bph a/s mist, @ 900 psi, rets light coal & light wtr, flow natural for 1 hr. Surge well w/ 10 bph a/s mist, one 5 bbl pad, @ 900 psi, rets light coal & med wtr, flow natural for 30 min. Pressure well, @ 200 psi pump 5 bbl pad, pressure to 900 psi, SI for 1 hr, surge well, rets light coal & med wtr, flow natural for 1 hr, turn over to night crew. Pump 5 bbl soap pad, pressure well to 800 psi, SI for 30 min, surge well, rets light coal, light wtr, flow natural for 2 hrs. Try an air only break over @ 1000 psi, did not break, rets light coal med wtr, flow natural for 1 hr. Surge well w/ 10 bph a/s mist & two 5 bbl pads @ 900 psi, rets med coal & med wtr, flow natural for 1 1/2 hr. Surge well w/ 15 bph a/s mist.

10-31-2003 Surge well w/ 15 bph a/s mist @ 850 psi, rets light coal & med wtr, flow natural for 2 hrs. SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 220 psi, rets med coal & light wtr, flow natural for 45 min. Hang power swivel back. TIH w/ bit, tag fill @ 3052'. RU power swivel, break circ w/ 10 bph a/s mist. C/O four bridges & 85' of solid fill f/ 3097' to 3182', running light coal constantly. Run five 5 bbl sweeps, running light coal 1/8" to 1/2" in size on all sweeps. LD 6 jts 2 7/8" DP, bit is @ 2990', PU tools, turn over to night crew. Surge well w/ 10 bph a/s mist @ 1000 psi, rets light coal & light wtr, flow natural for 1 1/2 hr. Pump 5bbl w/s pad, pressure @ 1150 psi, SI for 1 hr, surge well, light coal & med wtr, flow natural for 1 hr. Surge well w/ 15 bph a/s mist @ 1150 psi, rets light to med coal, med wtr, flow natural for 1 hr. Surge well w/ 10 bph a/s mist & two 5 bbl pads @ 900 psi, rets light coal & wtr, flow natural for 30 min.

11-01-2003 Surge well w/ 10 bph a/s mist @ 1100 psi, rets light coal & wtr, flow natural for 1 hr. SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 200 psi, rets light coal & wtr. PU 2-7/8" DP off the catwalk, tag fill @ 3031'. Break circ w/ 10 bph a/s mist, C/O w/ 15 bph a/s mist, two bridges & 90' of fill f/ 3092' to 3182'. Run four 6 bbl sweeps, running 1/8" to 1/2" coal in size on the 1st & 2nd sweep, cleaned up good on the 4th. SI for natural surge while Sierra roustabouts reinforce berm of burn pit w/ concrete slabs, 2 1/2 hrs = 150 psi, rets very light coal & no wtr, flow natural for 1 1/2 hrs. Surge w/ 10 bph a/s mist @ 800 psi, rets heavy coal & med wtr, flow natural for 1 1/2 hrs. Surge well w/ 15 bph a/s mist & one 5 bbl pad @ 800 psi, rets med coal & wtr, flow natural for 1 hr 15 min. Surge well w/ 15 bph a/s mist @ 1000 psi, rets med coal & wtr, flow natural for 1 hr. Pressure well w/ 10 bph a/s mist & one 5 bbl w/s pad @ 800 psi, SI for one hr, surge well, rets heavy coal & wtr, flow natural for 1 hr.

11-02-2003 Flow natural for 1 hr. Surge well w/ 10 bph a/s mist @ 1000 psi, rets med coal & wtr, flow natural for 45 min. SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 4 hrs = 190 psi, rets med coal, & light wtr. P/U 2 7/8" DP off catwalk, tag fill @ 3100'. Break circ w/ 10 bph a/s mist, CO two bridges & 20' of fill from 3162' to 3182'. Run three 6 bbl sweeps, rets light coal & wtr. Blow well dry. Hang power swivel back. TOOH with bit. PU power swivel & one drill collar & bit, shut BOP's for pitot. Gauge well on 2" open line, gas was to light to gauge, turn over to night crew. Try an air only break over, pumped for 1 hr & 45 min @ 880 psi, rets heavy coal & med wtr, flow natural for 1 hr. Surge well w/ 15 bph a/s mist & two 5 bbl pads, @ 1000 psi, rets heavy coal & wtr, flow natural for 1 hr. Surge well w/ 10 bph a/s mist & two 5 bbl pads, @ 1150 psi, rets med coal & med wtr, flow natural for 1 1/2 hrs. Surge well w/ 15 bph a/s mist @ 1000 psi, rets heavy coal & wtr, flow natural.

11-03-2003 Flow natural for 30 min, surge well from surface w/ 10 bph a/s mist & one 5 bbl pad @ 1050 psi, rets med coal & wtr, flow natural 1 hr. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 4 hrs = 210 psi, ret's hvy coal, ran for approx 10 min, med wtr. Surge well w/ 10 bph a/s mist & two five bbl pads @ 1000 psi, ret's lt coal & lt wtr, flow natural for 45 mins. SI for natural surge, 4 hrs = 220 psi, ret's med coal & wtr, flow natural for 1 hr. SI for natural surge, 4 hrs = 250 psi, ret's hvy coal, med wtr, flow natural for 1 hr. SI for natural surge, 3 hrs = 180 psi, ret's med coal & wtr, flow natural for 1 hr.

11-04-2003 Flow natural for 1 hr. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 6 hr SI = 290 psi, rets med coal & light wtr. TIH w/ bit & tag coal bridge @ 2980'. R/U power swivel. PU DP off catwalk, break circ w/ 10 bph a/s mist, CO bridges @ 2980' & 3050', & 90' of solid coal from 3090' to 3182'. Run four sweeps, running light coal @ all times, 1/4" to 3/4" in size. Surge well f/ 3170' w/ 10 bph a/s mist @ 900 psi, leave air circulating during the surge, rets med coal & wtr, run one 6 bbl sweep, rets heavy coal & med wtr, flow natural for 1 hr. Hook up to casing, Surge well w/ 10 bph a/s mist & two 5 bbl pads @ 900 psi, rets heavy coal & wtr, run three 6 bbl sweeps, rets heavy coal & wtr, did not flow well. Surge well down casing w/ 10 bph a/s mist & two 5 bbl pads @ 800 psi, rets heavy coal & wtr, run three 5 bbl sweeps, rets heavy coal & wtr, Flow natural for 2 hrs. Hook back up to standpipe, Surge well w/ 10 bph a/s mist @ 900 psi.

11-05-2003 Surge well from 3170' w/ 10 bph a/s mist @ 900 psi, rets med coal & wtr, run one 5 bbl sweep, rets med coal & wtr, flow natural 1 hr. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 4 hr SI = 250 psi, rets med coal & hvy wtr. Run five 5 bbl sweeps, rets med to hvy coal 1/2" to 1" in size & med wtr. Surge well f/ 3170' w/ 10 bph a/s mist & one 5 bbl pad @ 600 psi, rets med coal & wtr, follow w/ a/s mist for 30 min, flow natural 1 hr. Surge well w/ 10 bph a/s mist @ 600 psi, rets med coal & wtr, follow w/ a/s mist for 30 mins, flow natural for 1 hr, turn over to night crew. Surge well w/ 10 bph a/s mist @ 600 psi, rets hvy coal & med wtr, follow w/ a/s mist for 30 mins, flow natural for 2 hr. Surge well w/ 12 bph a/s mist @ 700 psi, rets hvy coal & wtr, follow w/ a/s mist for 30 mins, flow natural for 1 hr. Surge well w/ 12 bph a/s mist @ 800 psi, rets med coal & wtr, follow w/ a/s mist for 30 mins, flow natural for 1 hr. Surge well w/ 10 bph a/s mist @ 600 psi.

11-06-2003 Surge well from 3170' w/ 10 bph a/s mist @ 800 psi, rets hvy coal & med wtr, follow w/ a/s mist for 30 min, flow natural for 1.5 hrs. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 4 hr SI = 280 psi, rets med coal & wtr. Hang power swivel back. LD 6 jts of 2-7/8" DP. TOOH w/ bit, lock same in top rams. SI for natural surge 4 hrs = 250 psi, rets med coal & lt wtr, flow natural for 1 hr, turn over to night crew. SI for natural build up while SMC repairs booster, 2.5 hrs = 180 psi. Surge well from surface on top of natural build up of 180 psi, w/ 12 bph a/s mist @ 800 psi, rets hvy coal & wtr, well bridged off. Pressure well to work bridge out, @ 1400 psi, rets hvy coal & wtr, still bridged off top of csg. Surge well 5 times to try & break bridge, small flare. SI for natural surge, try to get some pressure built up below bridge.

11-07-2003 SI for natural surge, try to get some pressure build up below bridge, 3 1/2 hr SI = 100 psi, rets light coal coal & no wtr, top ram rubbers leaking. SI for natural build up. Travel to location, hold safety meeting. Natural surge 4 hr SI = 100 psi, rets light coal & no wtr. Hang power swivel back. TIH w/ bit, tag bridge @ 910'. PU power swivel, break circ w/ 10 bph a/s mist, CO 120' bridge from 910' to 1030'. Hang back swivel, TIH & tag bridge @ 2197'. Rig up power swivel. Break circ w/ 12 bph a/s mist, CO fill f/ 2197' to 2566', hyd hose on rig broke. Circulate well, wait on hose & hyd oil. Fix hyd hose, pump 2 bbls hyd oil. LD 4 jts of 2 7/8" DP, SI well for night.

11-08-2003 Blow well down, 12 hr SI = 280 psi. P/U 2 jts 2 7/8" DP tag fill @ 2505', Break circ w/ 10 bph a/s mist, C/O 80' bridge f/ 2505' to 2585'. PU DP & tag @ 2820'. Break circ w/ 10 bph a/s mist, CO 110' bridge from 2820' to 2930'. PU 2 7/8 " DP tag fill @ 3100'. Break circ w/ 10 bph a/s mist, CO 80' of fill from 3100' to 3182'. Blow well dry, heavy wtr. TOOH w/ bit, change out 4 1/2" rubbers on upper BOP's, SI & lock same, PU tools. Surge well from sfc w/ 10 bph a/s mist @ 600 psi, rets heavy coal & wtr, acted like it bridged off. Pressure up well to 500 psi twice, work bridge out, med coal & heavy wtr, turn over to night crew, flow natural for 1 hr. Surge well w/ 8 bph a/s mist @ 800 psi, rets heavy coal & wtr, flow natural for 1 hr. Surge well w/ 8 bph a/s mist to 600 psi then cut off mist, pressure to 800 psi, rets, heavy coal & wtr, flow natural for 1 hr. Surge well w/ 8 bph a/s mist to 850 psi, rets heavy coal & wtr, well bridged off. Pressure well to 300 psi, 600 psi 1000 psi, SI for 45 min, bridge did not break. SI for natural surge, try to get some pressure built up below bridge.

11-09-2003 SI for natural surge, try to get some pressure build up below bridge, 4 hr SI = 0 psi. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 4hr SI = 0 psi, bridged off tight. Hang back power swivel. TIH w/ bit, tag bridge @ 1037'. Break circulation w/ 10 bph a/s mist, CO 62' bridge from 1037' to 1099'. Hang power swivel back, TIH w/ 2 stds of 2 7/8" DP & tag bridge @ 1257', LD 16 jts, TIH w/ 8 stds. PU power swivel, break circulation w/ 10 bph a/s mist, CO 90' bridge from 1257' to 1350'. TIH & tag @ 1720', break circ w/ 10 bph a/s mist, CO 885' bridge from 1720' to 2605'. PU 2 7/8" DP, tag fill @ 3162'. Break circ w/ 10 bph a/s mist, CO 20' of fill from 3162' to 3182'. LD, 6 jts of 2 7/8" DP, bit is @ 2990', turn over to night crew. Surge from 2990' (4 times) w/10 bph a/s mist @ 800 psi, ret's med coal & hvy wtr, flow natural 1 hr each surge.

11-10-2003 Flow natural. Surge from 2990' w/ 10 bph a/s mist @ 800 psi, ret's hvy fine to 1/2" size coal & hvy wtr, flow natural 1 hr. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 4 hr SI = 250 psi, ret's lt. PU & tag 157' of fill @ 3025', break circ w/ 10 bph a/s mist. CO to PSTD @ 3182', run two 6 bbl sweeps, PU bit to 3170'. Surge from 3170' w. 8 bph a/s mist, run 6 bbl sweep. Blow well w/ air only. LD 5 jts, hang swivel back. TOOH w/ bit, lock same in top rams. Turn over to night crew. Breakover w/ air only @ 690 psi, ret's lt coal & lt wtr, flow natural 1 hr. Natural surge from surface, 2.5 hrs SI = 250 psi, ret's lt coal & lt wtr, flow natural 1 hr. SI for 3 hr build up.

11-11-2003 Natural surge from surface, 4 hr SI = 250 psi, ret's lt, flow natural 1 hr. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 4 hr SI = 250 psi, ret's lt. Surge f/surface energized (2 times) w/two 5 bbl pads, 1st surge @ 800 psi, ret's hvy fine to 1" size coal, 2nd surge @ 720 psi, ret's med fine to 1/2" coal, flow nat 1 hr each surge. Natural surge, 2.5 hr SI =250 psi, ret's med coal & hvy wtr, flow nat 2 hrs. Natural surge, 2 hr SI = 200 psi, ret's hvy coal & hvy wtr, flow nat 1 hr. Surge energized w/two 5 bbl pads @ 800 psi, ret's extra hvy coal & hvy wtr, bridged off deep. Attempt to surge bridge out @ 800 psi 2 times. Dump 5 bbls w/1 gal soap, take pres to 750 psi & SI.

11-12-2003 Pressure to 750 psi & SI. Travel to location, hold safety meeting. Surge f/surface, SI pres went from 750 psi to 730 psi, ret's hvy fine to 3" size coal & hvy coal & hvy wtr, flow natural. Natural surge, 3 hr SI = 190 psi, ret's lt coal & hvy wtr, flow natural 1.5 hrs. Natural surge, 3 hr SI = 180 psi, ret's med coal & hvy wtr, flow natural 1.5 hrs. Natural surge, 3 hr SI = 180 psi, ret's lt coal & hvy wtr, flow natural 1.5 hrs. SI for natural build up.

11-13-2003 Natural surge, 3 hr SI = 180 psi, ret's lt coal & hvy wtr, flow natural 2 hrs. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 4 hr SI = 170 psi, ret's lt coal & hvy wtr. TIH & tag bridge inside csg @ 2958', shoe @ 2986'. RU power swivel, unload well w/ air only, ret's hvy wtr. CO bridge w/ 10 bph a/s mist from 2958'-3045' & fell thru. Blow well from 3145', run five 6 bbl sweeps. PU bit to 3050' (bottom of 24' coal section), turn over to night crew. Surge from 3050' w/ 6 bph a/s mist @ 600 psi, ret's med coal & hvy wtr. Blow well w/ air only, ret's hvy wtr & lt coal. Surge from 3050' w/ 6 bph a/s mist @ 600 psi, ret's med coal & hvy wtr, flow nat 1 hr. Surge 2 times @ 700 psi, ret's hvy coal & hvy wtr, flow natural 2 hrs 1st surge & 1 hr 2nd.

11-14-2003 Flow natural. Surge from 3050' w/ 6 bph a/s mist @ 700 psi, ret's hvy coal & hvy wtr, flow natural 1.5 hrs. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 4 hr SI = 280 psi, ret's lt coal & hvy wtr. Tag/CO fill from 3080'-3182' w/ 10 bph a/s mist. Blow well from 3182' w/ 8 bph a/s mist, run three 6 bbl sweeps. Blow well w/ air only, bucket test after 2 hr blow = 6 bph. Flow natural. Unload & blow well w/ air only, ret's lt coal & med wtr, PU bit to 3050', turn over to night crew. Surge from 3050' (3 times) w/ 8 bph a/s mist @ 680 psi, ret's med coal & med wtr, flow natural 1.5 hrs each surge. Surge w/ 8 bph a/s mist @ 700 psi, ret's med coal & med wtr.

11-15-2003 Flow natural. Surge from 3050' w/ 8 bph a/s mist @ 660 psi, ret's med coal & med wtr, flow natural 1 hr. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 4 hr SI = 280 psi, ret's hvy wtr & lt coal. Surge f/ 3050' w/ 8 bph a/s mist & two 5 bbl pads, ret's hvy coal & hvy wtr. CO from 3050'-3182', run three 6 bbl sweeps. Blow well w/ air only. Hang swivel back, LD 6 jts. TOOH w/ bit, lock same in top rams. Turn over to night crew. Pump 5 bbls w/ 1 gal soap ahead, take press to 600 psi & let soak for 2 hrs, press went to 400 psi. Surge from surface @ 400 psi, ret's hvy coal & hvy water, flow natural. Natural surge, 3 hr SI = 190 psi, ret's lt coal & med wtr, flow natural 1 hr. SI for natural build up.

11-16-2003 Natural surge, 3 hr SI = 190 psi, ret's hvy wtr, flow natural 1 hr. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 4 hr SI = 280 psi, ret's hvy fine to 2" size coal & hvy wtr. Surge f/ surface energized w/ two 5 bbl pads @ 800 psi, ret's hvy coal & hvy wtr, bridge off. Attempt to surge bridge out @ 600, 700 & 800 psi, bridged solid. TIH & tag bridge @ 1944'. RU power swivel, break circ w/ 10 bph a/s mist. CO from 1944' - 2573' w/ 10 bph a/s mist & fell thru, well started unloading hvy 1/4" size coal on own. Continue in & tag/CO 2nd bridge from 2826'-2889', CO to 3142', run 6 bbl sweep, PU bit to 3111', turn over to night crew. Blow well w/ 8 bph a/s mist. Flow natural. Surge from 3111' (2 times) w/ 8 bph a/s mist, 1st surge @ 600 psi, 2nd @ 700 psi, ret's med coal & med wtr, flow natural 1.5 hrs each surge.

11-17-2003 Surge from 3111' w/ 8 bph a/s mist @ 650 psi, ret's med-hvy coal & med wtr, flow natural 2 hrs. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 4 hr SI = 250 psi, ret's lt. Surge w/ 8 bph a/s mist @ 600 psi, ret's lt, circ hole w/ 8 bph a/s mist. Surge energized from 3111' w/ two 5 bbl pads @ 840 psi, ret's lt-med coal & hvy wtr, run 6 bbl sweep. CO to 3182' w/ 10 bph a/s mist. Blow well w/ air only. RD power swivel, LD 6 jts. TOOH w/ bit, lock same in top rams, turn over to night crew. Natural surge, 7 hr SI = 300 psi, ret's lt coal & lt wtr, flow natural 1 hr. SI for 8 hr build up.

11-18-2003 SI for natural build up. Travel to location, hold safety meeting. Natural surge, 8 hr SI = 300 psi, ret's lt coal & med wtr. TIH & tag 12' fill @ 3170'. RU power swivel, break circ w/ 10 bph a/s mist, CO to PSTD. Blow well w/ air only. PU bit to 3050', service equipment, turn over to flowback hand. Flow natural.

11-19-2003 Flow natural. Travel to location, hold safety meeting. Tag 65' of fill @ 3117'. Break circ w/10 bph a/s mist, CO to PBTD @ 3182', run 6 bbl sweep. RD power swivel, LD 5 jts. TOOH laying down w/DC's. RU csg crew, MU setting tool, tally PU & MU 6 jts 5 1/2" 17# N-80 csg, RD csg crew. TIH w/5 1/2" liner to 3078' & stack out. RU power swivel, break circ w/8 bph a/s mist. Wash liner down to 3180', J-off setting clr, TOL @ 2908' w/77' of overlap, load liner w/6 bbls prod wtr. RD power swivel. POOH laying down w/2 7/8" AOH DP, drain pump & lines, SI & SDFN.

11-20-2003 SICP=260 psi, blow well down, ND stripper head, NU lubricator, RU Black Warrior WL. Perf Fruitland Coal zones 4 spf w/3 1/8" HSC guns, 0.45" dia, 18" pen & 19 grm chgs @ 3014' - 3044' (120 holes), 3046' - 3066' (80 holes), 3095' - 3120' (100 holes), make 3 runs, all shots fired (300 total), RD BWWC. NU stripper head, C/O to run 2-7/8" tbg, tally top row. Tally in w/98 jts 2-7/8" tbg to PBTD @ 3180'. RU swivel, unload well w/air only, LD 3 jts 2-7/8" tbg. Land tbg @ 3117' kb as follows: 1/2" mule shoe, 1 jt 2-7/8" tbg, 2.25" SN, 94 jts 2-7/8" tbg (95 jts total) SN @ 3085' kb. NDBOP stack & blooie lines, NUWH & pres test 3000 psi & held. RD rig & equip, release Rosa Unit #236A to production department.