

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

Lease Designation and Serial No.  
SF-078773

If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

1. Type of Well  
Oil Well ☒ Gas Well ☐ Other ☐

8. Well Name and No.  
ROSA UNIT #269A

2. Name of Operator  
WILLIAMS PRODUCTION COMPANY

9. API Well No.  
30-039-27439

3. Address and Telephone No.  
PO BOX 3102 MS 25-1, TULSA, OK 74101 (918) 573-6254

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1475' FSL & 1275' FEL, NE/4 SE/4 SEC 34-31N-05W

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

X Subsequent Report

Final Abandonment

Abandonment  
Recompletion  
Plugging Back  
Casing Repair  
Altering Casing  
Other Drilling/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.)\*

08-09-2003 MIRU, down for rig repairs. Drill RH/MH. Spud well @ 0000 hrs, 8/9/03. Drill 12 1/4" hole to 40'. Change out bits, drill from 40' to 131', swivel locked up. Down for rig repairs.

08-10-2003 TIH, drill from 131' to 300'. Circulate, TOOH. Run 6 jts 9-5/8" csg. Cmt as follows: 10 bbls FW spacer, 155 sxs (39 bbls) Type III w/ 2% CaCl & 1/4 PPS Celloflake mixed @ 14.5 ppg, 1.41 yld. Displace to 220' w/ 19 bbls FW. Late pump pressure 95 psi, SI. Circulate 20 bbls cmt to surface. RD BJSVCS. WOC. BO landing jt, NU BOP. Test BOPE to 1500 psi hi & 250 lo. Test csg to 1500 psi for 30 min, all held OK. Re-string drill line on blocks. Change oil, prepare to TIH.

08-11-2003 PU BHA, TIH, tag cmt @ 215'. Drill cmt from 215' to 300'. Directionally drill (slide & rotate) from 300' to 1546'. Builds angle while rotating. Must slide 5-8' per Kelly to maintain angle.

08-12-2003 Directionally drill (slide & rotate) from 1546' to 2075'. Builds angle while rotating. Must slide 5-8' per Kelly to maintain angle, start mud up @ 1800'. TOOH 7 stds, RU circulating swedge. Work on swivel, could not repair, C/O swivel. TIH, tag bridge @ 1982', wash & ream to 2075'. Directionally drill (slide & rotate) from 2075' to 2511'. Builds angle & walks right while rotating. Must slide 5-8' per Kelly to maintain angle & direction.

Continue on Back

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

Signed Tracy Ross  
Tracy Ross

Title Production Analyst

Date November 7, 2003

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

ACCEPTED FOR RECORD

NOV 25 2003

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

08-13-2003 Directionally drill (slide & rotate) from 2511' to 3250'. Builds angle & walks to the right while rotating. Must slide 5-10' per kelly to drop angle & maintain direction.

08-14-2003 Directionally drill (slide & rotate) from 3250' to 3374'. Builds angle & walks to the right while rotating. Must slide 5-10' per kelly to drop angle & maintain direction. TD well @ 3374', 0930 hrs, 8/13/03. Circulate & condition hole. Short trip to DC's. Circulate & condition hole for 7" csg. LDDP & BHA, change rams to 7". Run 74 jts 7" csg to 3374', hit bridge @ 3008'. Broke circulation and washed 2 jts csg down. Circulate w/ rig pumps, RD csg crew, RU cementers. Cmt csg as follows: pump 10 bbls FW spacer ahead. Lead: 490 sxs (181 bbls) PREM LITE FM w/ .25% Celloflake & 8% Bentonite @ 12.1 ppg, 2.08 yld. 125% excess over gauge hole. Tail: 50 sxs (13 bbls) Type III w/ .25% Celloflake @ 14.5 ppg, 1.4 yld. 0% Excess. Displaced w/ 134 bbls FW. Bumped plug @ 01:56 hrs w/ 1500 psi. Circulate 35 bbls cmt to surface. CK float, held. RD cementers. LD landing jt, ND BOP, begin RD rig.

09-18-2003 Lower derrick on rig, raising ram not letting derrick all the way down on carrier, pole up RU trucks, PU derrick & pull pin on raising ram, lower derrick on carrier. Road rig to Rosa 269A. Spot in rig, tie RU trucks on derrick & repin raising ram. RU & spot in rest of equipment. NU BOP. RU pump & pit, misc. equipment, release rig crew.

09-19-2003 PU 8 - 4 3/4" DC's, bit sub, 6 1/4" bit, TIH. Change over to run DP. PU 2-7/8" DP, TIH, tag 15.5' in on jt #98 @ 3315'. RU 3.5 power swivel. Establish circ., shut pipe rams & pressure test csg to 2000 psi. Drill cmt, 10' out on jt #98 @ 3222', drilling slowed down, DO float collar. Estimated depth of 7" shoe @ 3365', drill to 3375'. Circulate hole clean, pump running rough. Pull fluid end apart on rig pump, had 1 bad valve & rocks underneath other 2 valves, repair & put back together, release rig crew.

09-20-2003 RU geograph. Drill from 3374' to 3512', ROP = 19' per hr, 8 to 10,000# WOB, 80 to 90 RPM, drill w/ clean produce water. TD @ 3512', circulate hole clean. RD power swivel. TOOH, drain rig pit & clean out, release rig crew.

09-21-2003 MU under reamer. TIH. RU 3.5 swivel. Est circ w/15 bph air mist. Under ream open hole to 9.5", from 3380' to 3512', ROP = 15' per hr, RPM = 80, WOB = 2 to 4000#. Cut mist, pump 5 bbl sweep, blow well dry. Pull under reamer to 3331', SIWFN, release rig crew. Well SI.

09-22-2003 Well SI. Travel to loc. 9 hr SI = 400 psi. Start rig, hold safety meeting. RD 3.5 power swivel. Started TOOH, tongs broke, attempt to fix, call for another set of tongs. Wait on tongs. RU tongs, TOOH. RU to surge from surface. Surge from surface air mist 10 bph, 1/2 hr = 750 psi, ret's mist only. #2 blooie line blew gasket, replace gasket, release rig crew. Surge from surface air mist 10 bph, 3/4 hr = 1000 psi, ret's mist only. Air mist 10 bph, 1 hr = 1250 psi, ret's mist only, flow 3/4 hr. Surge w/ air mist 10 bph, 1/2 hr = 800 psi, ret's mist, flow natural 3/4 hr. Surge air mist 10 bph, 3/4 hr = 1000 psi, ret's mist, flow natural 1/2 hr. Surge air mist 10 bph, 3/4 hr = 1250 psi, ret's mist, flow natural 1 hr. Surge air mist 10 bph, 1/2 hr = 750 psi, ret's mist, flow natural 1/2 hr.

09-23-2003 Surge from surface w/ a/m 10 bph, 1000 psi, ret's mist, flow 1/2 hr. Surge air mist 10 bph, 3/4 hr = 1250 psi, ret's mist, flow 1/2 hr. Surge air mist 10 bph, 1/2 hr = 750 psi, ret's mist, flow 1/2 hr, SIW for 4 hr natural. Travel to loc., safety meeting, 4 hr SI = 150 psi. Surge well, ret's very lt water. Surge air only, 1/2 hr = 1250 psi, ret's foam w/ lt coal fines, flow 1 hr. Surge air mist 10 bph, 3/4 hr = 1250 psi, ret's mist & coal fines, flow 1/2 hr. SIW for natural build while changing drill line, 2.5 hr = 150 psi, ret's lt water & lt coal fines, flow 1 hr. Surge air mist 10 bph, 3/4 hr = 750 psi, ret's mist, flow 1 3/4 hr, ret's hvy foam w/ very lt coal fines. Surge air mist 10 bph, 3/4 hr = 1000 psi, ret's mist & lt coal fines, flow 3/4 hr. Surge air mist 10 bph, 3/4 hr = 1000 psi, ret's mist. Surge air mist 10 bph, 3/4 hr = 1250 psi, ret's mist & lt coal fines, flow 1 3/4 hr. Surge air mist 10 bph, 1/2 hr = 750 psi, ret's mist & coal fines, flow 1 hr.

09-24-2003 Surge air mist 10 bph, 1 1/2 hr = 1500 psi, ret's mist, flow 1 1/2 hr, SI for 4 hr natural build. Travel to location, start rig, surge well, hold safety meeting. TIH w/ 6 1/4" bit. RU 2.5 swivel. Establish circulation w/ 10 bph air mist. CO bridges from 3375' to 3512', ret's fine coal to 3/4" size, pump sweeps to clean up well bore. Circulate w/ air only to dry up well bore. LD 5 jts, hang power swivel, TOOH. RU to surge from surface. Surge from surface, air only breakover, 1 1/2 hr = 1350 psi, ret's coal dust, fines up to 1/4" in size, very lt wtr, flow natural 1 3/4 hr, unloaded lt to med coal. 4 hr natural = 300 psi, ret's lt coal, flow natural 1 hr.

09-25-2003 Natural surge, 4 hr SI = 250 psi, ret's coal dust, flow natural 3 hr. Travel to location, start rig, hold safety meeting. Surge energized w/ 3 - 5 bbl pads, 3/4 hr = 750 psi, ret's fine coal dust in pads, flow 1 1/4 hr, bridged off. TIH, tag @ 3484'. PU power swivel, establish circulation w/ 12 bph mist. C/O 28' of fill. Cut mist, blow well dry. LD 5 jts, hang power swivel. TOOH, RU to surge from surface. Air only breakover, release rig crew @ 1730 hrs, 2 1/4 hr = 14350 psi, ret's hvy coal dust, 1/16" to 1" in size, flow natural 2 1/4 hr. Natural surge will carry into 9/26/03.

09-26-2003 Natural surge, 4 hr SI = 400 psi, ret's lt coal, lt water, flow natural 2 hr, SI for 4 hr buildup. Travel to location, start rig, hold safety meeting. Natural surge, 4 hr SI = 300 psi, ret's lt water. Surge energized w/ 3 - 7 bbl pads, 1 @ 300#, 600#, 900#, final pressure 1450 psi in 1 1/4 hr, ret's md coal, md water, flow natural 2 1/2 hr. Natural surge, 4 hr SI = 250 psi, ret's lt coal, flow natural 1 hr. Surge air mist 10 bph, 1 1/2 hr = 1000 psi, ret's lt coal, lt water, flow natural 2 hr. Surge air mist 10 bph, 1 3/4 hr = 1250 psi, ret's lt coal, lt water, flow natural 1 3/4 hr.

09-27-2003 Surge air mist to bph, 1 1/2 hr = 1150 psi, ret's coal fines w/ trace of shale, lt water, flow natural 1.5 hr, SWI for 4 hr build up. Travel to location, hold safety meeting, 4 hr SI = 200 psi, start unit. TIH, PU swivel & DP off rack. Tag @ 3490', establish circulation w/ 12 bph mist, CO to TD, 22' of fill, ret's hvy coal w/ some shale, material ranging in size from fine to 1 3/4". LD 5 jts, hang swivel. TOOH, RU to surge from surface. Gauge well on 2" line, 3 readings 15 mins apart, all gauges dry, 1/2 ounces = 118 mcf. Surge from surface w/ air & 3-7 bbl pads spaced out @ 250 psi, 600 psi, 950 psi, 1.25 hr = 1500 psi, ret's extra hvy coal, 1/4" to baseball size, bridged off, left open to pit 1.25 hr. SI blooie lines, pressure to 800 psi in 15 min, surge well, ret's hvy coal & water, bridged off again, continue to attempt to surge out bridge.

09-28-2003 Attempt to surge out bridge, SWI for 4 hrs build up. Travel to location, csg pressure = 0 psi. Attempt to surge out bridge, no ret's, no gas flow. TIH, tag 15' in on jt #66 @ 2312'. PU swivel, CO bridges from 2312' to 2767'. PU singles w/ power swivel & TIH. Establish circulation w/ 10 bph mist @ 3456', C/O to TD, had 15' of fill. Cut mist, blow well w/ air only, 1" steam of fluid in ret's. LD 5 jts, bit @ 3363'. Flow well natural & flare, evaporate pit water. Natural surge, 4 hr SI will carry over into 9/29/03.

09-29-2003 Natural surge continued, 4 hr SI = 275 psi, ret's lt mist, flow natural 2 hr, SI for 4 hr build up. Travel to location, hold safety meeting, 4 hr SI = 225 psi. Surge well, ret's gas only. PU singles & TIH, tag @ 3500', est circulation w/ 12 bph mist. CO 14' of fill. Pull bit to 3488', bottom of big coal, surge w/ 10 bph mist, 1/2 hr = 900 psi on DP, 750 psi on csg, ret's med coal & water, circulation w/air mist 1/2 hr. Surge from 3488' w/ 10 bph mist, 1/2 hr = 900 psi on DP, 750 psi on csg, ret's lt coal & water, circulate 1/2 hr. Bypass air, LD 5 jts, hang swivel. TOOH, RU to surge from surface. Gauge well on 2" line, 3 readings 15 min apart, 1 ounce, rel rig crew. Flare well, lazy flame 8' tall. Surge from surface, air only breakover, 2 1/2 hr = 1550 psi, ret's lt coal, lt mist, flow 2 hr. Natural surge, 4 hr SI = 500 psi, ret's lt coal, lt water, flow natural.

09-30-2003 Flow natural. Natural surge, 4 hr SI = 275 psi, ret's lt mist, flow natural 2 hr. Travel to location, hold safety meeting, flow well. Surge energized from surface w/ air & 3 - 7 bbl pads spaced out @ 300#, 650#, 1000#, final pressure in 1 ¼ hr = 1700 psi, ret's hvy coal & water, bridged off in csg, attempt to surge out bridge. Load hole w/ H<sub>2</sub>O, pumped 15 bbls, estimate top of bridge @ 387'. TIH, tag @ 483'. RU swivel, put 2.875 rams in top BOP. Establish circulation w/ water, CO 60' bridge. TIH, tag @ 725', establish circulation w/ 10 bph air mist, CO bridges down to 1669'. RD swivel, LD 26 jts of DP, release rig crew. Turn over night crew, attempt to surge out bridge.

10-01-2003 Turn over night crew, attempt to surge out bridge. Travel to loc, hold safety meeting, start rig & air equip. TIH, tag @ 1794', RU swivel, CO bridges from 1794' to 2800', well unloaded, circulate clean, RD swivel. Run 10 stds out of derrick, RU swivel, PU 5 jts off rack, tag @ 3493', CO 15' of fill. Circulate w/ air only. PU to 3363', secure well to surge, release rig crew. Turn over to night crew, flow well natural. Surge from shoe 7 bph mist, ½ hr = 600 psi, ret's lt coal & mist, circulate ½ hr, flow natural 1 hr. Surge from shoe 7 bph mist, ¾ hr = 900 psi, ret's lt to med coal, med water, circulate ½ hr, flow natural 1 hr. Surge from shoe 7-bph mist, carry into 10/2/03.

10-02-2003 Surge from shoe 7 bph mist, continued from 10/1/03, 1 hr = 1200 psi, ret's med coal, lt water, SWI for 4 hr build up. Travel to location, hold safety meeting, start rig & air equipment, 4 hr SI = 250 psi. Change stripping rubber, TIH, had 12' of fill in rathole. Establish circulation air only, brought back 2" stream of fluid. Surge from 3488', 7 bph mist w/ 5 bbl pad @ start, 1 hr = 1000 psi, ret's med coal, med water, circulate ¼ hr. Surge from 3488', 7 bph mist w/ 5 bbl pad, 1 hr = 1000 psi, ret's hvy coal, med water, circulate ¾ hr. Surge from 3488', 7 bph mist w/ 5 bbl pad, 1 hr = 1000 psi, pump 5 bbl pad, ret's hvy coal & water, circulate ¾ hr. Cut mist, circulate air only. PU to 3363'. Light blooie line, release rig crew. Natural flow well. Surge from shoe, 7 bph mist, 1 hr = 1000 psi, ret's lt coal & mist, circulate ¼ hr. Surge from shoe, 7 bph mist, 1 hr = 1000 psi, ret's lt coal & mist, circulate ¼ hr. Surge from shoe, 7 bph mist, 1 hr = 925 psi, ret's med coal & mist, circ ¼ hr. Surge from shoe, 5 bbl pad followed by 7 bph mist, 1 hr = 1100 psi, ret's med coal & water, circulate ½ hr. Flow natural

10-03-2003 Surge from shoe w/ 7 bph mist, 1 hr = 1000 psi, ret's med wtr, circulate air only 1 hr. Flow natural, SWI for 4 hr build up. Travel to location, hold safety meeting, start rig & air equipment, 4 hr SI = 275 psi. Surge from shoe, 5 bbl pad followed by 7 bph mist, 1 hr = 1000 psi, ret's lt coal fines & med water, circulate ½ hr. TIH to 3488', no fill. Surge w/ 7 bph mist, 1 hr = 1000 psi in 1 hr, ret's med coal & wtr, circulate ½ hr, got stuck. Slack off 10,000# on DP, pressure annulus to 475 psi, got weight back, put air mist down DP, surge pressure off annulus, pipe free, circulate & pump sweeps. Circulate air only. LD 4 jts, hang swivel, TOOH, RU to surge from surface. Surge air breakover, 3 hr = 1450 psi, ret's lt mist, flow 1 ½ hr. Natural surge, carry into 10/4/03.

10-04-2003 Natural surge continued, 4 hr SI = 275 psi, ret's gas only. Flow well natural, SI for 4 hr build up. Travel to location, hold safety meeting, 4 hr SI = 275 psi, ret's gas only, flow 1 hr. Surge from surface, 7 bbl pad @ start, 7 bbl pad @ 500 psi, final pressure 1000 psi in 1 ¼ hr, ret's hvy coal & shale, hvy wtr, blooie lines plugged off 3 times. Surge from surface same as above, 1 ¼ hr = 1050 psi, ret's med coal & shale, hvy wtr, flow natural 2 ¾ hr, release rig crew. Natural surge, 4 hr SI = 250 psi, ret's lt mist, flow 2 hr. Natural surge, will run into 10/5/03.

10-05-2003 Natural surge continued, 4 hr SI = 250 psi, ret's lt mist, flow 2 hr, SI for 4 hr build up. Travel to location, hold safety meeting, start rig & air equipment, 4 hr SI = 250 psi. Surge well, ret's lt mist, flow ½ hr. Surge from surface w/ 7 bph mist & 2 - 7 bbl pads spaced out, 1 hr = 950 psi, ret's med coal & shale, med wtr, flow 2 hr. Surge from surface w/ 15 bph mist, 1 ¼ hr = 1000 psi, ret's med coal & shale, med water, flow natural 2 hr. Surge from surface w/ 15 bph, 1 hr = 1000 psi, ret's hvy coal & shale, med wtr, plugged off blooie lines, 1 hr to unplug lines, flow natural 2 hr, ret's very lite gas, well partially bridged off. SI well, 2 hr = 50 psi. Attempt to surge out bridge.

10-06-2003 Attempt to surge out bridge, got very lt gas flow, leave well open to surface. Travel to location, hold safety meeting, start rig & air equipment. Unplug mud cross. TIH, tag @ 1747'. Put 2.875 pipe rams in top BOP. PU swivel. Establish circulation w/ 12 bph mist. CO bridge @ 1747', 1951', 2201', 2233', well unloaded, circulate clean. Hang swivel, LD 12 jts. TIH to 7" shoe. RU power swivel. CO 10' of fill, pump sweeps, circ hole clean. Cut mist circ air only. PU to 3363', secure well to surge, release rig crew. Surge f/ shoe w/ 7 bph mist, ½ hr = 700 psi, ret's med coal, med water, circulate ½ hr w/ air mist, flow natural 1 ½ hr. Surge from shoe same as above, ½ hr = 750 psi, ret's lt coal, med water, circulate ½ hr, flow natural 1 ½ hr. Surge from shoe same as above, ½ hr = 700 psi, ret's lt coal, med water, circulate ½ hr, flow natural 1 ½ hr.

10-07-2003 Flow well natural. Surge from shoe 7 bph mist, ¾ hr = 650 psi, ret's lt coal & wtr, flow natural 1 ¼ hr, SI for 4 hr build up. Travel to location, hold safety meeting, 4 hr SI = 300 psi. Start rig & air equipment, surge natural build, ret's very lt dry coal & dust. CO 5' of fill, pump sweeps & circulate clean. Circulate air only, slowed to 1.5" stream of wtr. Bypass air, LD 4 jts, RD swivel, TOOH. RU to surge from surface. Flow well on 2" line & let stabilize. Natural surge, 3 hr SI = 225 psi, ret's lt fines & lt mist, flow natural 1 hr. Natural surge, 3 hr SI = 250 psi, ret's lt fines & lt mist, flow natural 1 hr, well unloading foam & wtr. SI for natural surge, carry into 10/8/03.

10-08-2003 Natural surge cont., 3 hr SI = 225 psi, ret's lt water, flow 1 hr, SI for 4 hr natural build. Travel to location, hold safety meeting. 4 hr SI = 250 psi, ret's med water, flow 1 ¼ hr, unloading foam & lt water. Surge from surface w/ 10 bph mist, 1 hr = 700 psi, ret's lt coal med water, flow 1 hr, unloading foam. Surge w/ 7 bph mist, 5 bbl pads @ 250 psi & 600 psi, 1 ¼ hr = 950 psi, ret's lt coal & shale, med water, flow 1 hr. Surge w/ 15 bph mist, 1 ½ hr = 1000 psi, ret's hvy coal & shale, med water, flow 1 ¾ hr. Surge w/ 15 bph mist, 1 ½ hr = 1000 psi, ret's x-tra hvy coal & shale, plugged up blooie lines, took ½ hr to unplug, flow natural 2 hr. Surge w/ 12 bph mist, ½ hr = 700 psi, ret's med water, flow natural 1 ½ hr. Surge w/ 15 bph mist, ¾ hr = 1000 psi, ret's, med water, flow natural 1 ¼ hr.

10-09-2003 Surge w/ 15 bph mist, ¾ hr = 1000 psi, ret's med wtr, flow well natural 2 ¼ hr, SI for 4 hr natural build. Travel to location, hold safety meeting. 4 hr SI = 350 psi, ret's gas only, flow natural. Surge 15 bph mist, 1 hr = 1000 psi, ret's med coal & shale, med wtr, flow natural ¾ hr. Natural surge, 3 hr SI = 300 psi, ret's fines, lt mist, flow 2 hr. Natural surge, 3 hr SI = 275 psi, ret's lt mist, flow 2 hr. Natural surge, 3 hr SI = 275 psi, ret's gas only, flow natural.

10-10-2003 3 hr SI = 275#, TIH, CO bride at shoe, CO 20' of fill to TD, surge from coal, pull up into 7", surge from shoe.

10-11-2003 Surge from shoe. CO 8' of fill, blow well air only 45 min, 1" stream, TOOH. Surge w/air mist from surface, ret's heavy coal, natural surge, 4 hr SI = 300 psi.

10-12-2003 4 hr SI = 300#, surge f/surf w/ 15 bph mist, ret's hvy 1st surge, md ret's on 2nd surge, natural surge over night

10-13-2003 4 hr SI = 350psi, surge f/surf air assist, TIH & C/O to TD

10-14-2003 C/O to TD, running coal & shale, had to pull up into 7" twice & start over

10-15-2003 4 hr SI = 425 psi, C/O to TD, formation running coal & shale, circ on bottom 5.75 hr, ret's slowed to very lt coal & shale, pull up into 7", flare well overnight & evaporate pit water.

10-16-2003 Flare well overnight & evaporate pit water. Travel to location, start unit, hold safety meeting. TIH from 3363', tag @ 3498'. Establish circulation, CO small bridge, went to TD, circulate hole clean. LD 6 jts, RD swivel, TOOH, LD BHA. MU drop off liner tool to 1 jt DP, lay on catwalk. RU csg crew, run 5 jts 5 1/2", 17#, N-80, LT&C csg @ 3518', RD csg crew. MU TIW drop off hanger & TIH w/ DP, tag 3' out jt #104 @ 3499'. RU swivel, establish circulation w/ 12 bph mist. Wash liner to bottom, went through 1 small bridge, drop off liner, shoe @ 3518', liner top @ 3289', rig KB = 11'. TOOH, LD DP, SWIFN

10-17-2003 Csg press = 750 psi. Blow well down, RU perforators. Perforate from 3461' to 3492', lost perf gun in hole, POOH. RD perforators. RU stripping head, tally 2-7/8" tbg, PU & TIH w/ over shot to fish perf gun. TOOH, recovered perf gun. Perforate from 3386' to 3408'. RD Perforators. TIH w/mule shoe, 1 jt 2-7/8" tbg, SN, 104 jts 2-7/8" tbg, 10' pup jt, 1 jt 2-7/8" tbg, landed @ 3469'. ND power tongs & rig floor, ND BOP. Circulate & dry hole w/air. Turn well over to production department. Release rig.