

Submit 3 Copies  
To Appropriate  
District Office  
**DISTRICT I**  
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

**OIL CONSERVATION DIVISION**

2040 South Pacheco  
Santa Fe, NM 87505

**DISTRICT II**  
811 South First, Artesia NM 88210

**DISTRICT III**  
1000 Rio Brazos Rd., Aztec, NM 87410

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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)		WELL API NO. 30-039-27292
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator WILLIAMS PRODUCTION COMPANY		6. State Oil & Gas Lease No. E-347
3. Address of Operator P O BOX 3102, MS 25-1, TULSA, OK 74101		7. Lease Name or Unit Agreement Name: ROSA UNIT
4. Well Location (Surface) Unit letter <u>J</u> : 2510 feet from the <u>SOUTH</u> line & 1925 feet from the <u>EAST</u> line Sec 32-31N-05W RIO ARRIBA, NM		8. Well No. 334A
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 6536' GR		9. Pool name or Wildcat BASIN FRUITLAND COAL

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

**NOTICE OF INTENTION TO:**

**SUBSEQUENT REPORT OF:**

PERFORM REMEDIAL  
WORK

PLUG AND ABANDON

REMEDIAL WORK

ALTERING CASING

TEMPORARILY ABANDON

CHANGE PLANS

COMMENCE DRILLING OPNS.

PLUG AND  
ABANDONMENT

PULL OR ALTER CASING

CASING TEST AND CEMENT JOB

OTHER:

OTHER: DRILLING/COMPLETION OPERATIONS X

12. 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.

06-20-2003 MIRU. Spud 12-1/4" surface hole @ 2300 hrs 6/19/03. Repair mud pump #1. Drilling.

06-21-2003 Drilling (TD surface hole at 324'). Circulate & survey. TOO H to run csg. Run 9-5/8" csg. RU BJ Services & cmt. WOC. Back off landing jt. Install WH & NU BOP & related surface equipment. Pressure test BOP, csg and related equipment to 250# low & 1500# high. TIH w/ bit #2 (8-3/4", HTC, HAT527YC). Tag cmt at 280'. Break circulation & drill out cement. Drilling & survey.

06-22-2003 Drilling & survey from 1550' to 2911'. Circulate for TOO H. TOO H fore bit change.

Continued on back

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

SIGNATURE Tracy Ross

TITLE: Production Analyst

DATE: August 22, 2003

Type or print name TRACY ROSS

Telephone No: (918) 573-6254

(This space for State use)

APPROVED

BY

DEPUTY OIL & GAS INSPECTOR, DIST. 

TITLE

AUG 26 2003

DATE

Conditions of approval, if any:

06-23-2003 TOOH for bit, left cone in hole. TIH w/ bit #3. Work past cone. Drilling from 2911' to 3018'. Circulate, TOOH for bit. TIH w/ bit #4, work bit past cone. Drilling from 3018' to 3125'.

06-24-2003 Drilling from 3125' to 3236'. Circulate, run survey @ TD. TOOH, run csg. Space out pup jts & install mandrel. Land csg in well w/ mandrel, cmt, RD & ready equipment to move.

07-09-2003 MIRU Aztec #474 and Redman Air. 90% RU. SDFN.

07-10-2003 Finish nipple up BOP and blooie line. Caliper BHA, pick up bit and DC's. Rig repair. Continue TIH w/86 jts DP to 2,952'. SWI, SDFN.

07-11-2003 Open rams and finish RIH, tag @ 3188'. PU & RU 3.5 power swivel. Circulate csg, change rams in BOP and pressure test to 2000#, OK. Drilling cmt & float collar, circulate clean. Drill formation to 3239'. Circulate well clean & clean pits and fill with clean water. LD 1 jt DP, PUH 1 jt DP, SWI, SDFN.

07-12-2003 RIH w/ 2 jts DP to 3239', RU geolograph & prepare to drill. Drill 6 1/4" hole from 3239' to 3468', circulate clean. RU Halliburton, log Fruitland Coal from 3431' to top of csg, ran neutron log from 3431' to surface.

07-13-2003 Finish logging, RD Halliburton, SWI, SD until Monday.

07-14-2003 PU underreamer and TIH on 4-3/4" DC's and 2-7/8" DP. PU power swivel and RU Red Man Air Drilling. Clean pits, fill with clean water. Start to unload well with air/mist, booster broke down. Wait on Red Man to repair booster. Unload well with air/mist. Underream 6 1/4" open hole to 9 1/2" from 3245' to 3303'. Circulate hole clean with air/mist. PUH 2 jts, SWI, SDON.

07-15-2003 Repair GIR manifold on rig. SICP-380#, blow well down. PU 3 JTS DP and unload CSG. Underream 6 1/4" hole to 9 1/2" hole 3,303'-3,459' and circ clean. POH with 8 JTS and hang back power swivel. TOH with DP, DC's and underreamer and lay down underreamer, SWI, SDON.

07-16-2003 Overnight SICP-1,100#. Blow well down and change out Drilling Line. RD 3.5 Pwr Swivel and set on skid. PU rig swivel and make up surge assembly to surge out of hole. Surge well natural out of hole, 4 surges 2 hrs shut in to 3 hr shut in, 580# to 650#, recovered 3" stream of water and 1/4" and smaller coal on 1<sup>st</sup> surge, no recovery on next 3 surges.

07-17-2003 Surge well out of hole natural, 660# in 3.5 hrs, only gas on surge. SWI for build up, 740# in 5 hrs. Surge build up, recovered 15-20 bbls fluid and 1/2-1/4" coal. Surge well with natural and energized surges at surface, 580-620# on natural surges, 820-950# on energized surges, recovered fluid and 1/4-1/2" coal on naturals, only air/gas on energized surges.

07-18-2003 Surge well with natural surges to 600#, recovered water and coal fines. Shut well in for build up, built to 745# in 4 1/2 hrs. Surge well. Blow well down. Pitot test well, stabilized at .5 oz. at 112 MCF. Hang swivel and RD surge assembly. TIH with 6 1/4" bit on BHA and DP, tag at 3,350'. Wash and clean out 3,350'-3,423', recovering 1" to 1/4" coal and coal fines. Hole got tight, pressure on DP increased to 1,800#, LD 1 jt DP, DP pressure 1,400#, LD 2<sup>nd</sup> jt, left air off and pulled up hole 15', DP stuck at 3,376'. Work stuck pipe, pressured annulus to 1,200#, DP freed up, surged pressure, pipe stuck at 3,376;., pressured annulus to 600# twice, drill string came free and restuck as soon as well surged, pressured annulus to 1,500#, drill string remained stuck, surged off pressure and let well stabilize. Shut well in for build up with 15 pts setting down on drill string.

07-19-2003 Well shut in for build up with 15 psi setting down on drill string. Held safety meeting and changed out gauge in csg valve, SICP-950#. Work stuck pipe, surge well and work pipe, worked up hole 6', pressured well to 300#, worked pipe, able to rotate, worked pipe free and pull up into csg. Surge off 300# pressure and circ to clean up. Clean out from 3,235'-3,360' with air/foam, recovered 1" to 1/4" and coal fines, circ well clean. PU into csg to 3,203' and SWI. Cavitare well with natural surges from csg shoe. Surge pressure 675#, recovering coal and water.

07-20-2003 Surge well with natural surges from csg shoe, surge pressure 950 & 750#, recovering coal water. Shut well in for build up, 950# in 4 hrs. Surge well and flow to pit through blooie line, recovered 1/4" and 1/8" coal & wtr. Flow well till stabilized, tested well with pitot tube, 21 oz @ 770 mcf. Surge well with natural surges from csg shoe, surge pressure 880# dropping to 650# in 2 1/2 - 3 hrs, recovering 1/4" and 1/8" coal till pressure started to drop then recovered fine coal.

07-21-2003 Surge well with naturals at shoe, 950# in 3 hrs, very light coal and water on returns. SWI for build up, built to 950# in 4 hrs. Held safety meeting and surged well, recovered 1/8" and smaller coal and water. Flow well for pitot tube test, stab at 26 oz-1194 mcf. Clean out coal, recovered small amount of coal from 3235-3297' and 3328-3360', jet on well to clean up. Blow well dry. PUH into csg to surge. Surge well with naturals at shoe, 800-850# in 2 1/2-3 hrs shut ins, recovered light coal 1/8" and smaller and water.

07-22-2003 Surge well with naturals at shoe, 825-950# in 2 1/2-3 hrs shut ins, recovered light coal 1/4" and smaller and water. 4.5 hrs SICP-900#. Held safety meeting, surged well, recovered 1/4" coal and smaller and water. Flow well till stabilized, had 34 oz on pitot tube - 900 mcf. SWI 3 hrs and surge well, recovered 1/4" and smaller coal and water. Hang swivel, TOOH and RU to surge out of hole. Surge well out of hole, recovering heavy 1/2" and smaller coal and heavy water.

07-23-2003 Surge well with naturals out of hole, 800-850#, recovering 1/2" and 1/4" coal and water. Shut well in for build up, 850# in 4 hrs. Surge well after build up, recovered 1/2" and smaller coal and wtr. Run pitot tube test, 36 oz at 913 mcf. Surge well out of hole with natural surges, 800-860#, recovering 1" to 1/8" and coal dust and water, heavy returns of coal and water.

07-24-2003 Natural surge f/surface, 3 hr SI = 850 psi, ret's heavy fine to 1" size coal & heavy water. Flow natural. SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 4.5 hr SI = 900 psi, ret's heavy fine to 1" size coal & heavy water, flow natural. Natural surge, 3 hr SI = 800 psi, ret's extra heavy coal & heavy water, bridge off below surface, pres up to 1600 psi & surge bridge out. Flow natural. Natural surge @ 650 psi, ret's lt-med coal & heavy water. Flow natural. Natural surge @ 800 psi, ret's med dry coal & lt water, well mostly bridged off. Pres bridge to 900 psi 3 times, work bridge to surface. Flow natural. SI for natural.

07-25-2003 Natural surge @ 700 psi, ret's med coal & lt wtr. Natural surge, 2hr SI = 800 psi, ret's hvy coal dust & lt wtr, flow natural 1/2 hr. SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 3.5 hr SI = 775 psi, ret's hvy fine - 1" size coal & lt wtr. Flow natural w/good flare. RD swivel, C/O rams. TIH w/6 1/4" bit, tag fill / bridge @ 2999'. Tie back on single line, RU power swivel. CO from 2999'-3329' w/14 BPH A/S mist, ret's hvy coal (running). Blow well from 3329' w/14 BPH A/S mist, run three 7 bbl sweeps, ret's hvy coal. LD 4 jts, PU bit to 3204', turn over to night crew. Natural surge, 2 hr SI = 700 psi, ret's lt coal / wtr & hvy gas. Flow natural. SI for natural build up.

07-26-2003 Natural surge, 2 hr SI = 700 psi, ret lt coal & lt wtr. Flow natural. SI for natural. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 720 psi, ret's lt coal & wtr, good gas. TIH & tag fill @ 3318'. RU power swivel, break circ w/14 BPH A/S mist. CO from 3318' - 3360', ret's hvy coal. Blow well from 3360' w/14 BPH A/S mist, (coal running) ret's hvy coal, run two 6 bbl sweeps. LD 6 jts, hang swivel back. TOOH w/bit, lock bit in top rams, turn over to night crew. Natural surge from surface, 1.5 hr SI = 690 psi, ret's hvy fine to 1/4" size coal & hvy wtr. Flow natural. Natural surge from surface, 1.5 hr SI = 600 psi, ret's extra hvy fine to 1" coal & hvy wtr. Flow natural.

07-27-2003 Natural surge, 1.5 hr SI = 650 psi, ret's hvy fine to 1" size coal. Flow well. SI for natural. Travel to loc, safety meeting. Natural surge, 4 hr SI = 750 psi, ret's hvy coal & hvy wtr, flow natural 2 hrs. Natural surge, 1.5 hr SI = 625 psi, ret's med coal & wtr. Flow well. SI for natural build up, turn over to night crew. Natural surge, 3 hr SI = 775 psi, extra hvy ret's, plug up mud cross & BOP's, open #2 blooie line & surge bridge out, well unloading on own. Flow well. Natural surge, 1.5 hr SI = 650 psi, ret's hvy coal & wtr. Flow well. Natural surge, 1 hr SI = 425 psi, ret's med coal & wtr. Flow well. Natural surge, 1.5 hr SI = 625 psi, ret's med coal & wtr. Flow well.

07-28-2003 Natural surge, 2 hr SI = 650 psi, ret's lt coal & wtr. Flow well natural until 03:00, SWI for 4 hrs. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 800 psi, ret's hvy coal 1/2", heavy coal dust, lt wtr, bridged off close to surface. Pressure wellbore to 1500 psi several times to surge bridge to surface, ret's extra hvy coal, let well flow, bridged off again. Work bridge to surface using air/mist, ret's extra hvy coal, bridged off again, pump 10 bbls water, pressure wellbore to 800 psi & SI, turn well over to night crew. Pressure increased to 925 psi. Pressure dropped to 875 psi, surge well, ret's light water, still bridged off. Pump 10 bbls of H2O, pressure to 800 psi & SWI. 1 hr SI = 850 psi, surge well, ret's light water, watch for natural flow, well still bridged off. Pressure up well to 800 psi, attempt to surge bridge out, ret's light coal & light water.

07-29-2003 Pressure up well to 800 psi & surge, lt ret's but has flow. SI for natural build up. Travel to location, hold safety mtg. Natural surge, 4 hr SI = 575 psi w/ lt ret's & slight blow. Surge. TIH & tag bridge @ 1164', RU power swivel. Attempt to break circ, mist pump down, repair same. Break circ w/ 14 bph A/S mist, CO 1st bridge @ 1164 - 1195'. 2nd @ 2795' - 2815', well unloading hvy coal, cont in w/ bit to 3298' ret's coal, run 6 bbl sweep. PU bit inside csg, light flare & start yellow dog, turn well over to night crew. Flow natural & evaporate pit.

07-30-2003 Flow natural & evaporate pit. Travel to loc, safety meeting. TIH & tag fill @ 3290', break circ w/ 14 bph A/S mist. CO from 3290' to 3360'. Blow well from 3360' w/ 14 bph A/S mist, run five 6 bbl sweeps, ret's extra hvy coal (running). Blow dry w/ air only. LD 4 jts, flow natural on 6" blooie line. Gauge well on 2" open line @ 1991 mcfd, all gauges lt mist = 10.5 psi. RD power swivel, RU on 2 lines. TOOH w/ bit, lock bit in top rams. SI for 2 hr natural build up, turn over to night crew. Natural surge, 2 hr SI = 750 psi, ret's hvy coal & lt wtr. Flow natural. Natural surge, 2 hr SI = 850 psi, ret's hvy coal & med wtr, 10 SI pressure @ 500 psi. Flow natural.

07-31-2003 Surge well natural @ 750#, recovered hvy coal & wtr. Flow well to clean up. SWI for build up. Travel to location, hold safety meeting. SICIP 750#, surge well recovered hvy coal, ¼" & smaller & water w/ hvy coal fines, SWI & built to 700#, surged well, recovered hvy coal returns & coal fines. Open well on 2" line, LD bit & 1 jt DP, LD pwr swivel & repair stiff arm on swivel & steps to drillers platform. PU swivel & 1 jt DP with bit, SWI for build up, cut pipe rack off catwalk on drillers side, weld on manifold std, well pressured natural to 750#. Surge well, recovered coal dust & hvy coal, well bridged off. SWI, natural pressure 20#, start air & pressure to 950#, surge well, recovered hvy coal, ¼" to dust, wtr with hvy coal fines. Cavitate well natural out of hole to 800#, recovering hvy coal, ¼" & smaller, no wtr, well bridged off, surged twice with air to 950#, knocked bridge loose, recovered hvy coal ¼" & smaller.

08-01-2003 Surge well natural @ 850#, recovered hvy coal, coal dust. Flow well natural. Travel to location, held safety meeting. Check pressure - 750#. Surge well, well bridged off, pump 3 bbls wtr & resurged, well still bridged. Surge well with air/mist to 1500#, tried to lower bit, bridge @ 4', continue to surge well and work bit, cleaned out BOP and unloaded hvy coal. Hang swivel and LD jt of DP, MU bit on DC's & TIH, tag bridge @ 2063'. PU swivel and clean out bridge from 2063' to 2088', 25', well unloaded hvy coal, coal dust, wtr with hvy coal fines, circ clean. Hang swivel and finish TIH to bottom of csg @ 3235'. PU swivel and unload well, recovering wtr with coal fines and coal dust, PUH 1 jt and shut and lock pipe rams. Turn over to night crew, flow well natural flaring gas and evaporating pit water.

08-02-2003 Flow well natural, flaring gas and evaporating pit water. Travel to location, held safety meeting. String back to 4 lines. TIH to 3297', unload well, recovered coal fines and wtr. CO from 3297' to 3380', recovering ¼" and smaller coal, coal dust and wtr with coal fines, recovered some shale from 3360' to 3380', circulate clean with air/mist and sweeps. Blow well dry and PUH to csg. Turn well over to night crew, flow well and flare gas, evaporating pit water.

08-03-2003 Flow well & flare gas, evaporating pit water. Travel to location, held safety meeting, unlock rams. RIH & tag fill @ 3365'. Clean out from 3365' to 3380', recovering large, shale & coal fines. Blow well dry, PUH to csg shoe. Flow well out blooie lines to stabilize. Turn well down 2", starting pitot 20#, max 22#, stabilized at 21.5# @ 2998 mcfd. Lock rams, open well down blooie line & flare gas. Turn over to night crew, flow well down blooie lines, flare gas, evaporating pit.

08-04-2003 Flow well down blooie lines flaring gas & evaporating pit. Travel to location, held safety meeting, service swivel. RIH w/ swivel, tag @ 3365', unload well. CO from 3365' to 3380', tight spot 3364' to 3366'. Blow well dry. PUH into csg, close & lock pipe rams, flow well down blooie line, unload 5 ½" liner & spot trailer with 2-7/8" tbg. Flow well natural to pit.

08-05-2003 Flow well natural to pit. Travel to location, held safety meeting, grease swivel. RIH, tag @ 3365'. PUH into csg, hang swivel & RU power tongs. TOOH w/ 2 7/8" DP to DC's and change rams to 4 ¾". LD DC's & bit. RU csg crew & change rams tin BOP to 5 ½". RIH w/ 5.5" shoe, 5 jts 5 ½" 17#, N-80 LT&C csg & MU liner hanger & setting tool. RD csg crew & PU rig tongs. RIH w/ liner on DP, tie back to 4 lines & PU swivel. Circulate, rotate & work csg past ledge @ 3364', hang liner & release setting tool. POOH, LD DP & setting tool. Secured well and left flowing out 2", turn well over to night crew. Flow well natural to pit out 2".

08-06-2003 Flow well natural to pit out 2". Travel to location, held safety meeting. RU Black Warrior, perf FRT coal 3280' to 3332' & 3336' to 3360' w/ 3 1/8" csg gun with 4 spf, 71' with 284 holes, pumped 15 bbls water while perf to cushion gun, RD Black Warrior. Blow well down, change rams, RD DP tongs & RU tools to run 2-7/8" tbg. PU & RIH with mule-shoed expendable check, 1 jt 2-7/8" tbg, std SN & 101 jts 2-7/8" tbg, strapping & rabbiting pipe. Jet on well to unload water. MU TC-!H tbg hanger and landing subs and land tbg @ 3349'. ND BOP, NU tree and pressure test to 3000#, held OK. Pump 2 bbls water ahead and pressure tbg with air to pump out expendable check, jet on well to clean up, RD rig equipment, SWI, release rig @ 1930 hrs, 8/6/03.