

In Lieu of  
Form 3160  
(June 1990)

UNITED STATES  
DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT

Bureau of Land Management  
Farmington Field Office

RECEIVED

JUN 05 2008

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 TRIPPLICATE

<p>1. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/></p> <p>2. Name of Operator WILLIAMS PRODUCTION COMPANY</p> <p>3. Address and Telephone No. PO Box 640 Aztec, NM 87410-0640</p> <p>4. Location of Well (Footage, Sec, T., R., M., or Survey Description) Sur 1695 FNL &amp; 350 FEL, sec 9, T31N, R6W - BHL: 1056 FNL &amp; 652 FWL, sec 10 T31N, R6W</p>	<p>5. Lease Designation and Serial No NMSF-078765</p> <p>6. If Indian, Allottee or Tribe Name</p> <p>7. If Unit or CA, Agreement Designation Rosa Unit</p> <p>8. Well Name and No Rosa Unit #261A</p> <p>9. API Well No. 30-045-34258</p> <p>10. Field and Pool, or Exploratory Area Basin Fruitland Coal</p> <p>11. County or Parish, State San Juan, New Mexico</p>
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CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<p>Notice of Intent</p> <p><input checked="" type="checkbox"/> Subsequent Report</p> <p>Final Abandonment</p>	<div style="display: flex; justify-content: space-between;"><div><p>Abandonment</p><p>Recompletion</p><p>Plugging Back</p><p>Casing Repair</p><p>Altering Casing</p><p><input checked="" type="checkbox"/> Other <u>Cavitation - Complete</u></p></div><div><p>Change of Plans</p><p>New Construction</p><p>Non-Routine Fracturing</p><p>Water Shut-Off</p><p>Conversion to Injection</p><p>Dispose Water</p><p>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</p></div></div>

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.)\*

04-02-2008

Recap: Load out, move rig & equip from the Rosa #274 to the Rosa #261A. Set ramp & spot surface equip, back rig onto ramp. (Set back pressure valve & blank flange on Rosa #156C prior to moving onto the Rosa #261A). Release trucks, RU surface equip, raise derrick, csg SIP 60#, tbg SIP 240#, blow well down to pit. ND WH, NU BOP stack, man gate valves, HCR valves & blooie line, set in air package & lay air lines. NU manifold. secure well & equip, SION.

04-03-2008

Recap: CSIP 30#, tbg SIP 30#, blow well down to pit. Finish NU on BOP stack & blooie line, NU stripper head, started to TOH w/ tbg but was unable to build air pressure on rig, had to replace compressor on rig. Secure well & location, SDFN.

04-04-2008

Recap: SICP 40#, blow well down to pit. Test top BOP pipe rams & HCR valves to 1500#, pull tbg hanger, TOH & std back 104 jts 2-7/8" tbg. TIH w/ DC's & DP. RU air unload wtr from well w/ air only, unloaded heavy clear wtr @ 1100 psi, blow well dry w/ air. Pull into 7" csg.

Flow Test: Duration = 1 hr, Test Method = pitot, MCF/D = to light to measure, Csg Psi = TLTM, Tbg Psi = 0 psi, Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line. Secure well & location, turn well over to FB hand & air hand for overnight cavitation. Surge from shoe w/ energized surges.

RCVD JUN 9 '08  
OIL CONS. DIV.

DIST. 3

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

Signed Larry Higgins  
Larry Higgins.

Title Drilling C O M

Date 6-4-08

ACCEPTED FOR RECORD

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date JUN 06 2008

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

04-05-2008

Recap: Surge from shoe to 1000 psi, 10 bph wtr w/ 1gal foamer, ½ gal shale ban & ½ gal corrosion inhibitor, no solids returned w/ lt clear wtr. SI for natural buildup, no pressure buildup due to a leak on WH. Connection between DP & TIW leaking, LD 1 jt DP, bad threads on DP, found several small leaks on lines & repaired. Build surge to 1200 psi & checked for leaks, found none. Turn well over to FB hand & air hand for cavitation. Surge from shoe w/ energized surges to 1200 psi.

04-06-2008

Recap: Surge from shoe to 1200 psi, 10 bph wtr w/ 1gal foamer, ½ gal shale ban & ½ gal corrosion inhibitor, no press buildup w/ 4 hr natural. Started getting some black dust w/ surges & some lt fines in w/ lt grey wtr.

04-07-2008

Recap: Cavitate from shoe w/ natural & energized surges. SICP 40#, blow well down to pit. PU & RU 2.5 PS, PU DP sgls, check for fill, tagged bridge @ 3390' 20' into 7". CO med fine to 1/4" coal & heavy thick black wtr. Work pipe & pump sweeps as needed. CO to TD @ 3555'. LD 6 jts DP & PUH to 7"csg. Secure well & location, turn over to FB hand & air hand for overnight cavitation. Cavitate from shoe w/ natural & energized surges.

04-08-2008

Recap: SICP 210#, blow well down to pit, unloaded hvy black dust & no wtr, lt dry gas. PU & RU 2.5 PS, PU DP sgls check for fill, tagged bridge @ 3483'. CO med fine to 1/4" coal & hvy thick black wtr. Work pipe & pump sweeps as needed. CO to TD @ 3555', blow well dry & PUH to 7"csg. FLOW TEST: Duration = 1 hr, Test Method = pitot, MCF/D = 158 mcf/d, Csg Psi = 1.0 oz on pitot gauge, Tbg Psi = 0 psi, Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line. Turn well over to FB hand & air hand for overnight cavitation. Cavitate from shoe w/ natural & energized surges.

04-09-2008

Recap: SICP 260#, blow well down to pit. Unloaded hvy fine coal & lt black wtr. PU & RU 2.5 PS, PU DP sgls check for fill, tagged bridge @ 3390' 30' into 7", tagged bridge @ 3435'. CO hvy fine to 1/4" coal & hvy thick black wtr. Work pipe & pump sweeps as needed. CO to TD @ 3555'. LD 6 jts DP PUH to 7"csg, 1 hr SI = 15 min = 18 psi, 30 mins = 65 psi, 45 mins = 78 psi, 1 hr = 95 psi, turn well over to FB hand & air hand for overnight cavitation. Cavitate from shoe w/ natural & energized surges.

04-10-2008

Recap: Cavitate from shoe w/ natural & energized surges. SICP 260#, blow well down to pit. Unloaded hvy fine coal & lt black wtr. PU & RU 2.5 PS, PU DP sgls check for fill, tagged bridge @ 3460'. CO hvy fine to 1/4" coal & hvy thick black wtr. Work pipe & pump sweeps as needed, CO to TD @ 3552'. LD 6 jts DP PUH to 7"csg, build surge to 1000#. Turn well over to FB hand & air hand for overnight cavitation. Cavitate from shoe w/ natural & energized surges.

04-11-2008

Recap: SICP 50#, blow well down to pit. Very lt coal dust, no wtr, well bridged off in csg. PU & RU 2.5 PS, PU DP sgls check for fill, tagged bridge @ 3405' 15' into 7" csg. Cleared bridge unloaded very hvy fine to 1/4" coal. CO hvy fine to 1/4" coal & hvy thick black wtr. Work pipe & pump sweeps as needed & CO to TD @ 3552'. Bucket test, well is making 1 bph of wtr. Cut mist, blow well dry w/ air, LD 6 jts DP PUH to 7"csg. FLOW TEST: Duration = 1 hr, Test Method = pitot, MCF/D = 286 mcf/d, Csg Psi = 3.5 oz on pitot gauge, Tbg Psi = 0 psi, Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line. Turn well over to FB hand & air hand for cavitation. Cavitate from shoe w/ natural & energized surges.

04-12-2008

Recap: Surge from shoe to 1000 psi, 12 bph air-mist w/ 1gal foamer, ½ gal shale ban & ½ gal corrosion inhibitor per 20 bbl wtr, 200 psi buildup w/ 4 hr natural, surges are returning hvy dust, lt 1/8" coal & lt black wtr

04-13-2008

Recap: Surge from shoe to 1000 psi, 12 bph air-mist w/ 1gal foamer, ½ gal shale ban & ½ gal corrosion inhibitor per 20 bbl wtr, 150 psi buildup w/ 4 hr natural, surges are returning hvy dust, lt fine coal & lt black wtr. Chasing surges w/ air-mist until returns are clean, CO hvy fine coal.

04-14-2008

Recap: SICP 400#, blow well down to pit. PU & RU 2.5 PS, PU DP sgls check for fill, tagged bridge @ 3405' 15' into 7" csg. Cleared bridge, unloaded very hvy fine to 1/4" coal. CO hvy fine to 1/4" coal & hvy thick black wtr, CO to TD @ 3552'. Cut mist, blow well dry w/ air. FLOW TEST: Duration = 1 hr, Test Method = pitot, MCF/D = 354 mcf/d, Csg Psi = 5 oz on pitot gauge, Tbg Psi = 0 psi, Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line. Turn well over to FB hand & air hand for cavitation. Cavitate from shoe w/ natural & energized surges.

04-15-2008

Recap: 4 hour SICP 460#, blow well down to pit. PU & RU 2.5 PS, PU DP sgls check for fill, tagged fill @ 3530' 22' of hvy fill. CO hvy fine to 1/2" coal & hvy thick black wtr. Work pipe & pump sweeps as needed. CO to TD @ 3552'. LD DP PUH to 7"csg, hang off PS. Build surge to 1000#. Turn well over to FB hand & air hand for cavitation. Cavitate from shoe w/ natural & energized surges.

04-16-2008

Recap: 4 hour SICP 220#, blow well down to pit. PU & RU 2.5 PS, PU DP sgls check for fill, tagged fill @ 3547' 5' of light fill. CO light fine to 1/2" coal, some golf ball size shale & med-black wtr. Work pipe & pump sweeps as needed. CO to TD @ 3552'. Cut mist blow well dry w/ air. FLOW TEST: Duration = 1 hr, Test Method = pitot, MCF/D = 372 mcf/d, Csg Psi = 6 oz on pitot gauge, Tbg Psi = 0 psi, Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line. 1 hr SI = 15 min = 40 psi, 30 mins = 85 psi, 45 mins = 140 psi, 1 hr = 175 psi. Turn well over to FB hand & air hand for cavitation. Cavitate from shoe w/ natural surges.

04-17-2008

Recap: hour SICP 340#, blow well down to pit. PU & RU 2.5 PS, PU DP singles check for fill, tagged bridge @ 3460' Cleaned lt fine coal & med black water. Tagged fill @ 3549' 3' of fill Work pipe & pump sweeps as needed. Cleanout to TD @ 3552'. Cut mist blow well dry w/ air. LD 5 jts DP PUH to 7"csg, hang off power swivel. FLOW TEST: Duration = 1 hr, Test Method = pitot, MCF/D = 372 mcf/d, Csg Psi = 6 oz on pitot gauge, Tbg Psi = 0 psi, Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line Turn well over to flow back hand & air hand for cavitation. Cavitate from shoe w/ natural surges.

04-18-2008

Recap: 4 hour SICP 340#, blow well down to pit. PU & RU 2.5 PS, PU DP singles check for fill, tagged fill @ 3549' 3' of lt. fill Cleaned lt fine coal & lt grey water. Work pipe & pump sweeps as needed. Cleanout to TD @ 3552'. Cut mist blow well dry w/ air. LD 5 jts DP PUH to 7"csg, hang off power swivel. FLOW TEST: Duration = 1 hr, Test Method = pitot, MCF/D = 354 mcf/d, Csg Psi = 5 oz on pitot gauge, Tbg Psi = 0 psi, Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line. Turn well over to flow back hand & air hand for cavitation. Cavitate from shoe w/ natural surges.

04-19-2008

Recap: Surge from shoe w/ natural buildups, building up between 325# to 340# in 4hrs, returning lt black dust & no water.

04-20-2008

Recap: Surge from shoe w/ natural buildups, building up between 340# to 360# in 4hrs, returning lt black dust & no water.

04-21-2008

Recap: 4 hr SICP 400#, blow well down to pit. PU & RU 2.5 PS, PU DP sgls check for fill, no fill. Work pipe & pump sweeps, CO lt grey wtr, no solids. CO to TD @ 3552'. LD 6 jts DP hang off PS. TOOH & standback 100 jts 2-7/8" DP & 8 4-3/4" DC's. RU SJ Csg crew, PU, MU & RIW as follows-LA set shoe, 5 jts 5-1/2", 17#, N-80, EUE csg (228.78'), H-latch, TIW setting tool. RIW w/ liner assy & 106 jts AOH DP. Tagged @ 3548' 4' off TD, rotate liner to 3552' @ TD. Release liner @ 3552', PBDT 3551', liner top @ 3320', liner bottom @ 3552', 100' overlap. RD & LD 2.5 PS, TOH & LD DP TIW setting tool & DC's, SION.

04-22-2008

Recap: 4 hr SICP 300#, blow well down @ 2" line. RU Basin WL, perf 5-1/2" liner w/ 11 gram charge .53 holes, as follows bottom to top; 3520' to 3540' 20' 80 shots, 3450' to 3480' 30' 120 shots, total 200 shots. TIH w/ half muleshoe, SN w/ standing valve & prod tbg, test tbg every 15stands to 900 psi, good test on tbg. TOH & standback tbg. Tally PU, MU & RIW as follows- 2-7/8" mud anchor, 2-7/8" tbg screen, 2.28 I.D. F-nipple & 107 jts 2-7/8" tbg, confirm PBDT, stand back 3 stands tbg. Secure well & location. SION.

04-23-2008

Recap: SICP 600#, bleed well down @ 2" line. RU BJ Dynacoil, PU & RIW 7 jts tbg, 10', 8' 6" & 4' pup jt, attached 1/4" chem line on top 6 jts & pup jts total 225' of 1/4" SS cap string. PU tbg hanger, RD Dynacoil, land tbg as follows- 2-7/8" mud anchor, 2-7/8" tbg screen, 2.28 I.D. F-nipple, 105 jts, 2-7/8", EUE, 6.5#, J-55 tbg, 10', 8', 6', 4' pup jts & 1 jt 2-7/8" tbg. EOT @ 3548', 2 1/2' off PBDT. 2.28 F-nipple @ 3522'. RD tongs & rig floor. ND BOP stack & blooie lines. NU SR WH. PU MU & RIW as follows, gas anchor, 2-1/2" X 1-1/4" X 7 X 11 RHAC pump, 4 -3/4 X 1-1/4" sinker rods, 7 1 3/4" API D rods, 65 3/4" API D guided rods, 1 8' pony rod & 1 2' pony rod & 1-1/4" X 16' polished rod w/ 8' X 1-1/2" liner. Install stuffing box, seat pump & space out pump, load tbg w/ produced wtr, test tbg & pump to 500 psig, release press & stroke pump to 500 psig, good test. RD & prepare to move to the 237A. FINAL REPORT

# ROSA UNIT COM #261A BASIN FRUITLAND COAL

Spud: 06/23/07

Completed: 11/11/07

1<sup>st</sup> Delivered: 12/20/07

Cavitate/Pump install: 6/4/08

## Surface Location:

1695' FNL and 350' FEL  
SE/4 NE/4 Sec 09(H), T31N, R06W  
San Juan, NM

## Bottom Hole Location:

1056' FNL and 652' FWL  
NW/4 NW/4 Sec 10(D), T31N, R06W  
San Juan, NM

Elevation: 6447' GR  
API # 30-045-34258

Rod String and Pump Gas anchor, 2-1/2" X 1-1/4" X 7 X 11 RHAC pump, 4 -3/4 X 1-1/4" sinker rods, 7 1 3/4" API D rods, 65 3/4" API D guided rods, 1 8' pony rod & 1 2' pony rod & 1-1/4" X 16' polished rod w/ 8' X 1-1/2" liner

8 jts 9-5/8", 36#, J-55, ST&C @ 332'.

2-7/8" mud anchor, 2-7/8" tbg screen, 2.28 I.D. F-nipple, 105 jts, 2-7/8", EUE, 6.5#, J-55 tbg, 10', 8', 6', 4' pup jts & 1 jt 2-7/8" tbg. EOT @ 3548', 2 1/2' off PBDT. 2.28 F-nipple @ 3522'

74 jts 7", 23#, J-55, LT&C @ 3420'.

TIW "H" Latch Liner Hanger @3220

5 jts 5-1/2", 17#, N-80, LT&C TOL@ 3220' Land @ 3552'

Top	Depth
Ojo Alamo	2673'
Kirtland	2822'
Fruitland	3332'
Pictured Cliffs	3537'

3450' - 3480'  
120 holes

.53" holes -  
200 total holes 3520' - 3540'  
80 holes

TD @ 3556' MD

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	170 sxs	240 cu ft.	Surface
8-3/4"	7", 23#	550 sxs	1120 cu ft	Surface
6/1/2004	5-1/2", 17#, N-80	Did Not CMT		