

UNITED STATES  
DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 23 2009

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  
TO DRILL" for permit for such proposals

Lease Designation and Serial No  
NMSF-078769

6 If Indian, Allottee or Tribe Name

7 If Unit or CA, Agreement Designation  
Rosa Unit

8 Well Name and No  
Rosa Unit 153C

9 API Well No  
30-039-30197

10 Field and Pool, or Exploratory Area  
Basin Mancos

11. County or Parish, State  
Rio Arriba, New Mexico

SUBMIT IN TRIPLICATE

1. Type of Well  
Oil Well Gas Well X Other

2 Name of Operator  
WILLIAMS PRODUCTION COMPANY

3 Address and Telephone No.  
PO Box 640 Aztec, NM 87410-0640

4. Location of Well (Footage, Sec , T , R , M , or Survey Description)  
Sur. 1115' FNL & 1745' FWL / BHL. 1676' FNL & 2222' FEL, Sec 17, T31N, R5W  
NMPM

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

X Other Mancos 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.)\*

05-15-2009

Recap. SU rig, road to RU #153C, MIRU, RU pump, pit, FB tank & all hardlines, SICP = 225 psi, SITP = 150 psi. Blow well down to FB tank, NDWH & NU frac valve & BOP stack, RU rig floor & NU bloore line, change out handling tools f/ 2 3/8" to 2 7/8", swap out pipe rams, tie back to sgl line, pull tbg hanger, TOO H w/ 20 stds tbg, change over to two lines, finish TOO H w/ 108 stds & a sgl (257 total jts) shut & lock rams & SIWFN.

05-16-2009

Recap. SU rig & equip, SICP = 900 psi, blow well down to FB tank, RD rig floor, NDBOP stack & NU Frac Y, RU BWWC to set plug. RIH & WL set 5.5" 10K CIBP @ 7650', POOH w/ WL & RU Halliburton to frac Y. Load WB w/ 170 bbls wtr @ 2 bpm, psi test CIBP & csg @ 5175 psi, tested solid. Perf Mancos (7355' - 7525') 3 SPF, bottom up w/ 3 3/8" SFG, .34" Dia, 21" Pen & 10 Grm Chgs, one gun run w/ 13 total locations & 39 holes, all shots fired. RU Data Trap to the 2" csg valve, BD Mancos (7355' - 7525') @ 4455 psi, start DFIT, 2 bpm = 2821 psi - 3 bpm = 2937 psi - 4 bpm = 3100 psi - 5 bpm = 3100 psi - 6 bpm = 2870 psi, pump 6 bpm for 5 min & start step down, 5 bpm = 2880 psi - 4 bpm = 2750 psi - 3 bpm = 2701 psi - 2 bpm = 2659 psi - 1 bpm = 2585 psi, ISIP = 2572 psi, 5 min SI = psi, 10 min = psi, 15 min = psi & 30 min SI = psi, RD BWWC & Halliburton Services, monitor well w/ Data Trap until Monday @ 9:00, then SIW until Wednesday frac.

JUN 24 2009

FARMINGTON FIELD OFFICE  
BY T. Salvey

Submit plans to remediate prior to completing Mesa Verde Fr.

14 I hereby certify that the foregoing is true and correct

Signed

Larry Higgins

Title Drilling C O M

Date 06/23/09

RCVD JUN 25 '09  
OIL CONS. DIV.

DIST. 3

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 USC 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

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## Page 2 – RU #153C

05-20-2009

Recap: W/O Halliburton, finish RU last trucks to frac line. Psi test lines, SICP = 1550 psi, load hole w/ 120 bbls 2% KCL, BD Mancos 7355' - 7525' @ 3300 psi, pump 2000 gals 15% HCL acid & when we started acid flush we lost all power to the TMV, keep track of acid flush on blender, part way thru acid flush Halliburton lost one of there 1500 HP pumps, treater informed me that w/ the horse power on location we could only achieve 50 bpm @ 4000 psi, contacted Michael Andrews & discuss the problem, decided to wait & bring out another pump truck f/ town & frac well in the AM, SIWFN.

05-21-2009

Recap: W/O Halliburton, replace pump, when priming pumps, another pump went down, call for parts. While waiting for parts to arrive, Halliburton tore down & inspected pumps & valves, replaced bearings. Prime up pumps & psi test lines. Load well w/ 58 bbls 2% KCL, BD Mancos (7355'-7525') @ 1270 psi, est rate 10 bpm @ 2960 psi, pump 3227 gals X link gel @ 20 bpm, frac zone w/ 5000 lbs 100 Mesh BASF @ .50 ppg, followed w/ 188,200 lbs 40/70 BASF, prop carried in slick wtr, MIR = 61.7 bpm, AIR = 60 bpm, MTP = 4051 psi, ATP = 3850 psi, ISIP = 2658 psi, 5 min SI = 2484 psi, 10 min = 2444 psi, 15 min = 2418 psi, total fluid to recover = 5596 bbls, when pumping prop, we noticed that the 1st bin went empty before densitometer had showed it should, est that we were pumping .75 ppg @ 1.0 ppg, we then went strictly by the screws on the blender & became a lot more accurate w/ our sand count, the densitometer showed that we pumped 152,351 # of sand, but the weight slips & visual on the Mountain Mover shows we actually pumped 193,200 #, the density & the specific gravity of the filtered prod wtr varies tank by tank & they can not run accurately by the densitometer. RD Halliburton, move in FB equip from the RU #187C, ND frac Y & NUBOP stack, RU rig floor, spot in FB tank, FB unit & connex. RU FB lines f/ WH to FB unit & run lines to FB tank, all lines on FB tank were very rusted & took longer than expected to install choke bodies on tank. Open well to FB tank, SI pressure = 1720 psi & record FB data.

05-22-2009

Recap: Flow well to FB tank on 8/64" choke until 23 00 hrs & then install 12/64" choke & record FB data, for details see FB report.

05-23-2009

Recap: Flow well to FB tank on 12/64" choke, swap to 16/64" choke @ 23:00, record FB data, for details see FB report.

05-24-2009

Recap: Flow well to FB tank on a 16/64" choke, @ 14:00 hrs start running thru 3 stage separator & measure gas, for details see FB report.

05-25-2009

Recap: Flow well thru 3 stage separator & measure gas, for details see FB report.

05-26-2009

Recap: Flow well thru 3 stage separator & measure gas, flare well, record FB data. Help pumper purge flow lines & put well to sales. Pumper had us go back to flaring gas, record FB data, for details see FB report.

05-27-2009

Recap: Flow well thru 3 stage separator & measure gas, record FB data. SU rig & equip, flow well thru 3 stage separator & measure gas, record FB data. SD flare, open well on 2" open line & let well blow down. MU 4 3/4" bit, BS & TIH w/ 100 stds tbg, set bit @ 6300', SI & lock pipe rams, turn well over to FB crew. Flow well thru 3 stage separator & measure gas, record FB data, for details see FB report.

05-28-2009

Recap: Flow well thru 3 stage test separator & measure gas, record FB data. SU rig & equip, blow well down to FB tank on 2" open line. Tie back on sgl line, TIH w/ 40 jts 2 7/8" (7549'), 25' below bottom perf. TOO H w/ 20 stds tbg & change over to 2 lines, finish TOO H w/ tbg. RD rig floor, NDBOP stack & NU Frac Y, turn over to FB crew. Flow well thru 3 stage test separator & measure gas, record FB data, for details see FB report.

05-29-2009

Recap: Flow well thru 3 stage test separator & measure gas, record FB data. SU rig & equip, RU BWWC to run 5 5", 10K CBP, Halliburton sent out an 8K plug w/ 10K mandrel, W/O Halliburton to deliver new 10K plug. RIH & WL set 5.5" 10K CBP @ 7290', POOH & blow well down to FB tank csg Psi = 580 psi. Load well w/ 160 bbls 2% KCL @ 2 bpm, let well burp & finish loading WB. RU Halliburton to 2" csg, Psi test lines @ 5500 psi, Psi test csg & plug @ 5000 psi, tested good, bleed pressure off csg. Perf Mancos (7140' - 7280'), bottom up 3 SPF @ 120 degree phasing w/ 3 3/8" SFG, .34" Dia, 21" Pen & 10 Grm Chgs, one gun run 10 locations, 30 total holes, all shots fired. Install data trap on 2" csg, load well w/ 8.3 bbls 2 % KCL, BD Mancos (7140'-7280') @ 3544 psi @ 2 bpm, run DFIT, 2 bpm = 2962 psi, 3 bpm = 3127 psi, 4 bpm = 3220 psi, 5 bpm = 3112 psi, 6 bpm = 3112 psi, pump 6 bpm for 5 min, start step down, 5 bpm = 3000 psi, 4 bpm = 2924 psi, 3 bpm = 2834 psi, 2 bpm = 2750 psi & 1 bpm = 2656 psi, ISIP = 2628 psi, 5 min SI = 2449 psi, 10 min = 2324 psi, 15 min = 2190 psi & 30 min = 1772 psi. Finish RD BWWC, RD Halliburton Serv f/ WH, SIW until frac on Wednesday, Halliburton will retrieve data trap Monday morning.

06-03-2009

Recap: SU rig & equip. Finish RU Halliburton to WH, 1000 HP pump is not starting, help mechanic work on pump, could not repair in the field, call for another truck f/ Farmington. RU truck into frac string & Psi test pump lines. Load WB w/ 12 bbls 2% KCL, BD Mancos (7140'-7280') @ 3984 psi, pump 2010 gals 15% FE acid, acid @ perfs = 3930 psi, pump 10,000 gals FR pad, pad @ perfs = 3603 psi @ 30 bpm, Frac Mancos 2nd stage w/ 5140 lbs 100 mesh @ .50 ppg, followed w/ 201,100 lbs 40/70 Ottawa sand @.75 ppg, prop carried in slick wtr, MIR = 74.1 bpm, AIR = 56.1 bpm, MTP = 4807 psi, ATP = 4404 psi, ISIP = 2711 psi, 5 min SI = 2471 psi, 10 min = 2411 psi, 15 min = 2366 psi, total fluid to recover = 7725 psi, final frac gradient = 0.81 psi/ft, at the start of .75 ppg sand, Halliburton lost their float on their tub & lost prime in some of their pumps, regain prime & pump most of the job @ 56 to 60 bpm, w/ 30,000 lbs of sand left to pump we lost one pump for approx 5 min & rate dropped to 42 bpm, when that pump came back on we gained 300 psi in pressure 4700 psi to finish frac. Open up well @ 1920 psi, flow well to FB tanks on 8/64" choke & record FB data.

## Rosa Unit #153C – Page 3

06-04-2009

Recap: Flow well to FB tank on 8/64" choke, record RB data, swap to 12/64" choke @ 20:00 hrs, for details see FB report.

06-05-2009

Recap: Flow well to FB tank on 8/64" choke, record RB data, swap to 12/64" choke @ 20:00 hrs, for details see FB report.

06-06-2009

Recap: Flow well on 16/64" choke to FB tank, @ 08:00 hrs swap well over to 3 stage test separator & start measuring gas, record FB data, for details see FB report.

06-07-2009

Recap: Flow well thru 3 stage test separator & measure gas, record FB data, for details see FB report.

06-08-2009

Recap: Flow well thru 3 stage test separator & measure gas, record FB data, for details see FB report, rig crew worked on rig & serviced surface equip.

06-09-2009

Recap: Flow well thru 3 stage test separator & measure gas, @ 5:00 open well up on 2" open line to bleed press off WB. SU rig & equip, MU 4 3/4" bit, BS & install stripper rubber. Open blooie line & let well unload hvy wtr. TIH w/ 227 jts 2 7/8" tbg (7135'), tie back on sgl line. PU 5 jts tbg (232 total jts) & tag fill @ 7270', RU 2.5" PS, break circ w/ 10 bph air/soap mist, CO to 7290'. Run three 4 bbl sweeps, circ well clean, SD mist & blow well dry. RD 2.5" PS, TOOH w/ 8 stds tbg, turn well over to FB crew. Flow well thru 3 stage test separator & measure gas, record FB data, see FB report for details.

06-10-2009

Recap: Flow well thru three stage test separator on a 16/64" choke & measure gas, trying to hold line press @ 200 psi, record FB data, for details see FB report

06-11-2009

Recap: Flow well thru 3 stage test separator on a 16/64" choke & measure gas, trying to hold line pressure @ 240 psi, record FB data, for details see FB report.

06-12-2009

Recap: Flow well thru 3 stage test separator & measure gas, record FB data. SU rig & equip, open well up on 2" open line & let psi drop to 100 psi, open up pipe rams & flow well thru 6" blooie line. LD 4 jts 2 7/8" J-55, 6.5" EUE tbg, TIH w/ 10 stds tbg & tag fill @ 7275'. RU 2.5" PS, break circ w/ 12 bph air/soap mist @ 700 psi, CO 15' of fill to 7290', circ bottoms up, make connection & break circ, could not rotate tbg w/ PS, LD 4 jts tbg & wt indicator is reading 65,000 lbs, tbg weight is 52,000 lbs, still could not rotate tbg @ 1750 psi torque, pull 10 stds tbg & still dragging @ 62,000 lbs. RU 2.5" PS & try to rotate tbg, contact engineer & decide to LD 100 jts of 2 7/8" J-55 & replace w/ N-80 tbg, as torque on N-80 is around 2500 psi. RD 2.5" PS & WO tbg trailer to be delivered from RU #06C. Spot in tbg trailer, put 8 jts from the ground onto trailer, LD 92 jts of 2 7/8", J-55, 6.5", EUE tbg onto trailer, turn well over to FB crew. Flow well thru 3 stage test separator & measure gas, record FB data, for details see FB report.

06-13-2009

Recap: Flow well thru 3 stage test separator on a 16/64" choke & measure gas, trying to hold line pressure @ 200 psi, record FB data, for details see FB report.

06-14-2009

Recap: Flow well thru 3 stage test separator on a 16/64" choke & measure gas, trying to lower line pressure @ 130 psi & see if flow rate changes, record FB data, for details see FB report

06-15-2009

Recap: Flow well thru 3 stage test separator & record FB data. SU rig & equip, spot in tbg trailer, tally 1st row & spot in 3.5" PS. Tally, rabbit & PU 93 jts 2 7/8", N-80, 6 5/8" EUE tbg & tag @ 7285', LD 1 jt tbg, RU 3 5" PS, PU 1 jt tbg & break circ w/ 12 bph a/s mist. DO approx 5' of fill & 5.5" 10K CBP @ 7290', run three 4 bbl sweeps & circ well clean. SD mist & blow well dry, PU 8 jts 2 7/8" N-80 tbg & push remaining plug down to 7590' (237 total jts). LD 1 jt tbg, RD 3.5" PS & put it on skid & prepare to move it to AWS #748. TOOH w/ 11 stds 2 7/8" N-80 tbg, install TIW valve & shut & lock rams & turn over to FB crew. Flow well thru 3 stage test separator & record FB data, for details see FB report.

06-16-2009

Recap: Flow both zones thru 3 stage test separator & record FB data. Change out oil on surface units, work on retarder on rig. Flow both zones thru 3 stage test separator & record FB data, for details see FB report

06-17-2009

Recap: Flow well thru 3 stage test separator & measure gas, record FB data. SU rig & equip, bled well press off thru 2" open line. TIH w/ 23 jts tbg & set bit @ 7560', RU Phoenix WL & calibrate tracer tool. RIH w/ gauge ring, POOH & PU Spectra Scan Survey tool, RIH @ 300 ft/min & log f/ 6500' to 7560' @ 30 ft/min, RD Phoenix WL & Pro Technics. PU 1 jt & tag fill @ 7590', break circ w/ 10 bph air/soap mist, CO to 7623', run three 4 bbl sweeps & circ well clean, cut mist & blow well dry. SD air & LD 30 jts on tbg float, turn well over to FB crew. Flow well thru 3 stage test separator & measure gas, record FB data, for details see FB report.

## Rosa Unit #153C – Page 4

06-18-2009

Recap. Flow well through 3 stage test separator & measure gas, record FB data - TRVL f/ Farmington to Rosa well site, hold tailgate safety mtg, SU rig & equip, open well up & blow down pressure thru 2" line - LD 20 jts 2 7/8" N-80 tbg on to float, change over to 2 lines ( 108 total jts of N-80 ) - TIH w/ 11 stds 2 7/8" J-55 tbg left in derrick, TOOH & LD on tbg trailer 157 jts 2 7/8" J-55 tbg ( 257 total jts ) - Swap out handling tools to 2 3/8", change out pipe rams, shut & lock blind rams & turn well over to FB crew. **FLOW TEST: Duration = 1hr, Test Method = Pitot, MCF/D = 596, Csg PSI = 347 psi, Tbg PSI = 0 psi, Gas Type = Dry, Gas Disposition = Non-flaring, Choke Size = 16/64'.**

06-19-2009

Recap: Flow well through 3 stage test separator & measure gas, record FB data - TRVL f/ Farmington to Rosa well site, hold tailgate safety mtg, SU rig & equip, blow down well thru adjustable chokes - Help Dawn Trucking move tbg trailers w/ 2 7/8" tbg & spot in tbg trailer w/ 2 3/8" - MU 1/2 M/S, one jt 2 3/8" J-55, 4.70#, EUE tbg, one 1.78" F-Nipple, tally, rabbit & TIH w/ 236 jts 2 3/8" J-55, 4.70#, EUE tbg - Land well @ 7563' KB, 1.78" F-Nipple set @ 7533', RD rig floor - NDBOP stack & NUWH & test @ 2500 psi, tested good - Pump out aluminum plug @ 1100 psi, RD rig, pump, pit & all hardline, police location & prepare to move Monday A M to Rosa Unit #85C.

**Note; well will be produced as Mancos only at this time. Dakota is isolated and Mesa Verde will be completed at a later date. Mancos NSL-5701-A ✓**