

UNITED STATES  
DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 08 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

5 Lease Designation and Serial No  
NMSF-078772

6 If Indian, Allottee or Tribe Name

7 If Unit or CA, Agreement Designation  
Rosa Unit

8 Well Name and No  
Rosa Unit 164C

9 API Well No  
30-039-30109

10 Field and Pool, or Exploratory Area  
BASIN DAKOTA

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)  
1840' FSL & 865' FEL SEC 1 31N 6W

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent

Abandonment

Change of Plans

X Subsequent Report

Recompletion

New Construction

Final Abandonment

Plugging Back

Non-Routine Fracturing

Casing Repair

Water Shut-Off

Altering Casing

Conversion to Injection

X Other Completion

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.)\*

05-21-2009

Recap. LO, move rig & equip from Rosa #187C to Rosa #164C. Set surface equip, spot rig ramp, set rig on ramp, raise derrick & RU, set in & RU air pkg. ND WH, frac valve, NU BOPE, change out rams & tools to 2-7/8", spot tbg floats w/ WS, RU surface equip, secure well & equip & SDFN

05-22-2009

Recap: Function test BOP. Load csg w/ 2% KCL, test csg & blind rams to 1500 psi fo 30\_min w/ no leak off. Tally, rabbit, PU & MU 4-3/4" workover bit, bit sub & 265 jts 2-7/8 WS tbg, tag cmt @ 8393'. PU & RU 3.5 PS, DO cmt to FC, DO FC & cmt to 8457'. Circ hole clean, secure well & equip, SIW until Tuesday 5/26/09.

05-25-2009

Recap. RU Halliburton acid pumper, set EOT @ 8438' roll hole w/ rig pump, w/ 210 bbls 2% kcl Attempted to test csg & BOP door was leaking, rig didn't have any door gaskets, will test csg against frac valve when we TOOH & NU Frac Y, spot 200 gals 15% HCL acid across DK perf interval, TOOH & standback tbg. RD rig floor & tools, ND BOPE, NU Frac Y, test csg to 3500 psi w/ no leak off. RIW BWWC, run CBL, tool not working, POH, change out tools, run CBL 8464' - 3800', TOC @ 5530', POH. Perf DK formation, 8303'-8441', under pressure @ 1000 psi bottom up w/ 3 3/8" SFG @ 3 SP loc, .34" Diam, 21" Pen & 10 Grm Chgs, 30 locations, POOW w/ WL RD BWWC. Load hole w/ 2% kcl & est rate, BD @ 1887 psi, @ 5.4 BPM, pump 25 bbl into formation @ 5.4 BPM, ISIP 1760 psi, 5 min SPI 1425 psi, 10 min SIP 1297 psi, 15 min SIP 1200 psi. RD Halliburton acid pumper & SIWFN

RCVD JUN 12 '09

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

Signed

Larry Higgins

Title Drilling COM Date 6/8/09

OIL CONS. DIV.  
DIST. 3

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any.

|                         |
|-------------------------|
| ACCEPTED FOR RECORD     |
| Date JUN 11 2009        |
| FARMINGTON FIELD OFFICE |
| BY TL Sanees            |

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

6/16

## Rosa Unit #164C – Page 2

05-26-2009

Recap: MIRU Halliburton frac equip, pressure test lines, load hole w/ 12 bbls 2% kcl, BD DK @ 2352 psi, pump 2000 gals 15% HCL acid, frac well w/ 3765 lbs 100 mesh BASF @ .50 ppg, followed w/ 29947 lbs 40/70 BASF @ .75 ppg, followed w/ 38929 lbs 40/70 BASF 1.0 ppg, followed by 24960 lbs 1.25 40/70 BASF, followed by 17579 lbs 1.50 40/70 BASF, MIR = 57.4 bpm, AIR = 46.4 bpm, MTP = 3797 psi, ATP = 3189 psi, ISIP = 2656 psi, 5 min SI = 2490 psi, 10 min = 2430 psi, 15 min = 2385 psi, fluid to recover 3368 bbls, left 30-40 sacks in mountain mover due to wetness/clumping. Job pumped per design else wise. RD Halliburton Serv, RU choke line, open @ 2250 psi on 1/8 choke to FB tank. ND Frac Y & NU BOPE & rig floor, turn well over to FB hand, flow back on 1/8" choke overnight.

05-27-2009

Recap: FB on 1/8" choke well making avg 22 bph on 1/8" choke. Ck & SU equip, change to 1/4" choke. Turn well over to FB hand, flow back on 1/4" choke overnight, well making avg 32 bph @ 400 psi.

05-28-2009

Recap: FB on 1/4" choke overnight, well making avg 31 bph @ 400 psi, put well on 1/2" choke @ 12:00, flowing well to FB tank, making hvy wtr & surging strong gas. Turn over to FB hand, flow well @ 1/2" choke overnight, well making avg 40 bph @ 287 psi.

05-29-2009

Recap: Flow well back to FB tank on 1/2" choke. Open well to 2" on FB tank & 2" line to rig pit, blow well down. RIW w/ 4-3/4" bit, bit sub, & tbg WS. Pump 2% KCL down tbg to control well as needed, tag fill @ 8332' 131' of fill, began CO & had a problem w/ compressor on air pkg, fuel filters plugged & air hand was out of filters. LD 2 jts tbg secure well & equip, turn well over to FB hand, flow well to FB tank on 1/2" choke.

05-30-2009

Recap: Low well back to FB tank on 1/2" choke. Open well to 2" on FB tank & 2" line to rig pit, blow well down. PU tbg sgls, tag fill @ 8352' 111' of fill, PU 3.5 PS, break circ w/ air mist unload hole begin CO, booster on air pkg will not stay running, air jammer called his Supervisor & they will need to swap it out. Pull above perms. WO booster, break circ CO w/ air mist to PBTD @ 8463', cleaned out hvy sand, washed out both tee's on FB tank. Change out tee's on FB tank, tie manifold back into FB tank, secure well & loc, turn well over to FB hand. Flow well back to FB tank on 1/2" choke.

05-31-2009

Recap: Flow well back @ 1/4" choke, making 2 bph wtr avg pressure 260 psi, unload well w/ air, unloaded 42 bbls. Flow well back @ 1/4" choke. Put well on 1/2" choke & FB to FB tank, making 4 bph wtr, avg pressure 165 psi.

06-01-2009

Recap: Flow well back to FB tank on 1/2" choke, open well to 2" on FB tank & 2" line to rig pit, blow well down. PU tbg sgls, tag fill @ 8445' 12' of fill, PU 3.5 PS, break circ w/ air mist unload hole, CO sand to PBTD @ 8457', circ well clean. Secure well & loc, turn well over to FB hand, flow well back to FB tank on 3/8" choke, well is making avg 3 bph wtr w/ strong gas.

06-02-2009

Recap: Flow well back to FB tank on 3/8" choke, open well to 2" on FB tank & 2" line to rig pit, blow well down. PU tbg sgls, no fill, PU 3.5 PS, break circ w/ air mist unload hole, CO light sand to PBTD @ 8457', making less than 1/2 tsp in 5 gal wtr, circ well clean. Secure well & loc, turn well over to FB hand, flow well back to FB tank on 3/8" choke, well is making avg 2.5 bph wtr w/ strong gas, avg pressure 240 psi thru 3/8" choke

06-03-2009

Recap: Flow well back to FB tank on 3/8" choke, open well to 2" on FB tank & 2" line to rig pit, blow well down. TOO & LD 2-7/8" WS. RD & LD 3.5 PS, move out WS tbg float, spot in prod tbg float, return rental WS to Knight Oil Tools. Rabbit, tally, PU, MU & RIW as follows; half Muleshoe, 1 jt 2-3/8" tbg, 1.78 I.D. SN & 160 jts 2-3/8", 4/7#, EUE, 8rd tbg. Secure well & loc & SIWFN.

06-04-2009

Recap: Bleed down well to 2" on FB tank & 2" line to rig pit, Rabbit, tally, PU, MU & RIW w/ 2-3/8" prod tbg. PU tbg hanger & land well as follows; half muleshoe, 1 jt 2-3/8" tbg, 1.78 I.D. SN, & 259 jts 2-3/8" 4/7# EUE 8 rtd tbg. EOT 8444', 1.78 I.D. SN @ 8412'. RD floor & tongs, ND BOPE, NU WH. Tie air package to tbg head, pump 3 bbls wtr down tbg, pump out tbg plug, unload wtr from well & dry up well w/ air to FB tank. Flow well to FB tank. **FLOW TEST: Duration = 1 hr, Test Method, pitot = 1.5 lbs, MCF/D = 752 MCFD, Csg Psi =, Tbg Psi = 0 psi, Gas Type = wet, Gas Disposition = non flaring, Choke Size = 2" open line.** RD surface equipment, lower derrick, prepare for rig move to Rosa Unit #400. Secure well & location, SDFN, no accidents reported. --- Proposed Operation for the next Day: MIRU Rosa Unit #400. **FINAL REPORT** ✓

NOTE: Dakota only completed at this time, Mancos and Mesa Verde will be completed at a later date. ✓

\*Note: open interval from (4077 - 5530) FT TMD. Operator will squeeze well if they elect to complete Mesa Verde fm. within this interval. Called Larry Higgins 6/11/2009 TLS