

In Lieu of
Form 3160
(June 1990)

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 26 2009

FORM APPROVED
Budget Bureau No. 1004-0135
Expires. March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS
Bureau of Land Management
Farmington Field Office

Do not use this form for proposals to drill or to deepen or reentry to a different formation. Use APPLICATION
TO DRILL for permit for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well Oil Well Gas Well X Other	5. Lease Designation and Serial No NMSF-078764
2. Name of Operator WILLIAMS PRODUCTION COMPANY	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No PO Box 640 Aztec, NM 87410-0640	7. If Unit or CA, Agreement Designation Rosa Unit
4. Location of Well (Footage, Sec, T., R., M., or Survey Description) 935' FSL & 2200' FEL, T31N, R5W, Sec. 30	8. Well Name and No Rosa Unit 162C
	9. API Well No. 30-039-30719
	10. Field and Pool, or Exploratory Area BLANCO MV/BASIN DK/BASIN MC
	11. County or Parish, State Rio Arriba, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION
Notice of Intent	Abandonment
X Subsequent Report	Recompletion
Final Abandonment	Plugging Back
	Casing Repair
	Altering Casing
	X Other 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.)*

05-28-2009

Recap: Load out equip on RU #137C, MIRU CU, set & RU surface equip, set & RU air pkg & SDFN.

RCVD JUL 14 '09

OIL CONS. DIV.

DIST. 3

05-29-2009

Recap: Ck & SU equip, SICP=0 psi, PU, MU & RIW w/ 4-3/4" bit, bit sub, & 2-7/8" WS. Stopped PU WS to change out blocks on rig, resume PU WS, tag cmt @ 7968', break circ w/ prod wtr, rev circ to rig pit, DO FC @ 8002', DO 35' of cmt in shoe jt to PBD @ 8037'. Roll hole w/ 200 bbl 2% KCL, TOOH & standback 80 stds of tbg WS, secure loc & equip, SD until Monday 6/1/09.

06-01-2009

Recap: Ck & SU equip, SICP = 0 psi. TOOH & std back tbg WS, ND stripper head. RU BWWC, run CBL from 8037' to 3500', TOC @ 3756'. Load csg w/ 2% KCL, test csg & blind rams to 1500 psi, hold for 30 min w/ no leak off. TIH w/ 247 jts tbg & 8', 6' 4' pup jts, set EOT @ 8018'. Secure well & loc & SWIFN.

14 I hereby certify that the foregoing is true and correct

Signed

Larry Higgins

Title Drilling COM

Date 6-26-09

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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

NMOCB

6/7/09

ACCEPTED FOR RECORD

JUL 10 2009

FARMINGTON FIELD OFFICE
BY J. Salazar

Rosa Unit #162C – Page 2

06-02-2009

Recap: RU Halliburton acid pumper, set EOT @ 8018', test lines to 4500 psi, test csg to 3500 psi w/ no leak off. Spot 200 gals 15% HCL acid across DK perf interval, TOOH & std back tbg. RD rig floor & tools, ND BOPE, NU Frac Y. RU BWWC, **perf DK formation, 7922'-8019', under pressure @ 1000 psi bottom up w/ 3 3/8" SFG @ 3 SP loc, .34" Diam, 21" Pen & 10 Grm Chgs, 26 locations, one gun run w/ 78 total shots, all shots fired.** POOW w/ WL RD BWWC. Load hole w/ 2% KCL & est rate, BD @ 1700 psi, @ 6.0 BPM, pump 25 bbl into formation @ 6.0 BPM @ 1513 psi. ISIP 1456 psi, 5 min SIP 899 psi, 10 min SIP 587 psi, 15 min SIP 367 psi, RD Halliburton & SIWFN.

06-03-2009

Recap: SD WO Halliburton.

06-04-2009

Recap: RU Halliburton equip, press test equip to 5000 psi, load hole w/ 10 bbls 2% KCL, BD DK @ 2084 psi, pump 2000 gals 15% FE acid, **frac well w/ 5005# 100 mesh BASF @ .50 ppg, followed w/ 30,079# 40/70 Ottawa @ .75 ppg, followed w/ 80,788# 40/70 Ottawa @ 1.0 ppg.** Treating press began to increase as 1 ppg sand hit the perfs, stayed on 1 ppg per Tulsa eng. Went to early flush due to high press, pressured out @ 5,500 psi, pumps SD 1493 gal into a 7735 gal flush. MIR = 50.2 bpm, AIR = 49.7 bpm, MTP = 5627 psi, ATP = 3594 psi, ISIP = 5240 psi, 5 min SI = 2361 psi, 10 min = 2203 psi, 15 min = 2089 psi, fluid to recover 3705 bbls, 111,087# Proppant in formation, 4,785# Proppant left in WB. RD Halliburton, RU choke line. Open @ 2000 psi on 1/4 choke to FB tank ND Frac Y and NU BOPE, & rig floor, turn well over to FB hand. Well began unloading very hvy sand, switch FB line to res pit, flow well back on 1/4" choke.

06-05-2009

Recap: Flow well back @ 1/4" choke, making avg 13 bph wtr. Made very hvy sand overnight, @ 10:00 press began increasing, wtr output increased & sand output decreased. Ck & SU equip, well is making to much wtr & press is to high to RIW w/ tbg, cont to FB on 1/4" choke to FB tank. Secure well & equip, turn over to FB hand. Well is making avg 17 bph wtr, avg press is 780 psi, making approx 1/4 cup sand in 5 gal sample.

06-06-2009

Recap: Flow well back @ 1/4" choke, making avg 14.5 bph wtr, avg press 984 psi, making light sand less than 1/4 cup in 5 gal sample, strong gas.

06-07-2009

Recap: Flow well back @ 1/4" choke, making avg 9.5 bph wtr, avg press 950 psi, making light sand less than 1/4 cup in 5 gal sample, strong gas. Change out choke to 1/2" & FB to FB tank. Making avg 9.8 bph wtr, avg press 284 psi, making light sand less than 1/4 cup in 5 gal sample, strong gas.

06-08-2009

Recap: Flow well back @ 1/2" choke, making avg 6.8 bph wtr, avg press 245 psi, making light sand less than 1/4 cup in 5 gal sample, strong gas. Bleed well down @ 2" line to pit, 2" line to FB tank & 1" choke to FB tank, press dropped to 30 psi. RIW w/ 2-7/8 notched collar, string float & 2- 7/8" WS, stage in half way & unload wtr, tag fill @ 8017' 20' of fill. PU 2.5 PS, rotate & circ hole clean to PBTD @ 8037'. LD 6 jts tbg, pull above perfs, turn well over to FB hand. Flow back to FB tank on 1/2" choke.

06-09-2009

Recap: Flow well back @ 1/2" choke, making avg 6.8 bph wtr, avg press 245 psi, making light sand less than 1/4 cup in 5 gal sample, strong gas. Ck & SU equip, open well to 2" line. RIW w/ 2-7/8 notched collar, string float & 2- 7/8" WS, tag bridge @ 8007'. PU 2.5 PS, rotate & circ hole clean to PBTD @ 8037'. Blow well dry w/ air. LD 6 jts tbg, pull above perfs, flow well @ 2" line, purge air. FLOW TEST: Duration = 1 hr, Test Method, pitot = 1.5 lbs, mcf/d = 752 mcf/d, tbg psi = 0 psi, Gas Type = wet, Gas Disposition = non flaring, Choke Size = 2" open line. Turn well over to FB hand, flow well back to FB tank on 1/2" choke, making light wtr, no sand & strong gas flow.

06-10-2009

Recap: Flow well back @ 1/2" choke, making avg 2.75 bph wtr, avg press 190 psi, making no sand in 5 gal sample, strong gas. Ck & SU equip, open well to 2" line. PU tbg sgls, RIW w/ 2-7/8 notched collar, string float & 2- 7/8" WS, tag fill @ 8029, 8' of fill'. PU 2.5 PS, rotate & circ hole clean to PBTD @ 8037'. Blow well dry w/ air. LD 6 jts tbg, pull above perfs. Turn over to FB hand, flow well back to FB tank on 1/2" choke, making light wtr, no sand & strong gas flow.

06-11-2009

Recap: Flow well back @ 1/2" choke, making avg 1.5 bph wtr, avg press 170 psi, making no sand in 5 gal sample, strong gas. Ck & SU equip, open well to 2" line, PU tbg sgls, RIW w/ 2-7/8 notched collar, string float & 2- 7/8" WS, tag fill @ 8035, 2' of fill'. PU 2.5 PS, rotate & circ hole clean to PBTD @ 8037'. Blow well dry w/ air, LD 6 jts tbg, pull above perfs, flow well @ 2" line, purge air. FLOW TEST: Duration = 1 hr, Test Method, pitot = lbs, MCF/D = 869 MCFD, Tbg Psi = 0 psi, Gas Type = wet, Gas Disposition = non flaring, Choke Size = 2" open line. Turn well over to FB hand, flow well back to FB tank on 1/2" choke, making lt wtr, no sand & strong gas flow.

06-12-2009

Recap: Flow well back @ 1/2" choke, making avg less than 1 bph wtr, avg press 130 psi, making no sand in 5 gal sample, strong gas. Ck & SU equip, open well to 2" line. PU tbg sgls, RIW w/ 2-7/8 notched collar, string float & 2 7/8" WS, tag fill @ 8035, 2' of fill'. PU 2.5 PS, rotate & circ hole clean to PBTD @ 8037', unloaded 12 bbls wtr. Blow well dry w/ air. LD 6 jts tbg, pull above perfs, flow well @ 1/2" choke to FB tank. Turn over to FB hand, flow well back to FB tank on 1/2" choke, making no wtr, no sand & strong gas flow.

06-13-2009

Recap: Flow well back @ 1/2" choke, making avg 1 bph wtr, avg press 135 psi, making no sand in 5 gal sample, strong gas.

06-14-2009

Recap: Flow well back @ 1/2" choke, making avg 1 bph wtr, avg press 130 psi, making no sand in 5 gal sample, strong gas. SIW for overnight SI test.

06-15-2009

Recap: SICP = 770 psi, 12 hr SI, blow well down to FB tank, TOOH & stand back WS, chain drive on tongs broke, WO replacement. RU BWWC, RIW w/ 5 1/2" comp BP, set BP @ 6100', RD BWWC, load csg w/ wtr, test BP to 2100 psi. TIH w/ half mule shoe & 184 jts 2 7/8" WS, set EOT @ 5947'. Secure well & equip, SDFN.

06-16-2009

Recap: RU Halliburton acid pumper, set EOT @ 5948', test lines to 4000 psi, test csg to 3000 psi w/ no leak off. Spot 200 gals 15% HCL acid across PT/LO perf interval, TOOH & standback tbg. RD rig floor & tools, ND BOPE, NU Frac Y, RU BWWC, **perforate PT/LO, 5670'-5960', under pressure @ 2000psi, bottom up 1 SPF w/ 3 3/8" SFG, .34" Dia, 21" Pen & 10 Grm Chgs, 2 gun runs w/ 59 total shots, all shots fired**, pressure began dropping after 2nd shot, pump into formation w/ Halliburton pump truck, est rate @ 6.2 bpm @ 845 psi, shut down pump after 6th shot. Well went on a vacuum. RD BWWC, RD Halliburton, secure well & equipment, SDFN no accidents reported --- Halliburton called @ 11:15 PM and will not be able to start frac until 5:00 pm on Wednesday at the earliest, maybe later, changed frac time to 8:00 am on Thursday.

06-18-2009

Recap: RU Halliburton Equipment, pressure test equipment to 5000 psi. Load hole w/ 32 bbls wtr, BD PT/LO @ 1384 psi, pump 2068 gals 15% HCL acid, **frac well w/ 6849 lbs 20/40 BASF @ .50 ppg, followed w/ 18393 lbs 20/40 BASF 1.0 ppg, followed w/ 36117 lbs 20/40 BASF 1.5 ppg, followed w/ 47388 lbs 20/40 BASF 2.0 ppg**, MIR = 102 bpm, AIR = 96 bpm, MTP = 4407 psi, ATP = 2425 psi, ISIP = 286 psi, 5 min SI = 27 psi, 10 min = 17 psi, 15 min = 17 psi, **fluid to recover 2627 bbls**. RD Halliburton off WH, RU BWWC, set composite BP @ 5650, Test BP to 3000 psi. **Perforate CH/Men, 5185'-5646', under pressure @ 2000psi, bottom up 1 shot per location w/ 3 1/8" SFG, .34" Dia, 21" Pen & 10 Grm Chgs, 2 gun runs w/ 45 total shots, all shots fired**, no break after 1st gun run, RU Halliburton to WH pump into perfs, BD @ 1999 psi, RD Halliburton off WH, make 2nd gun run, RD BWWC --- Load hole w/ 13 bbls wtr, BD CH/Men @ 2346 psi, pump 1000 gals 15% HCL acid, **frac well w/ 4762 lbs 20/40 BASF @ .50 ppg, followed w/ 12024 lbs 20/40 BASF 1.0 ppg, followed w/ 22353 lbs 20/40 BASF 1.5 ppg, followed w/ 23226 lbs 20/40 BASF 2.0 ppg**. MIR = 99.5 bpm, AIR = 99.1 bpm, MTP = 4143 psi, ATP = 3348 psi, ISIP = 209 psi, 5 min SI = 186 psi, 10 min = 167 psi, 15 min = 147 psi, **fluid to recover 1563 bbls**. RD Halliburton, ND frac Y, NU BOPE. TIH w/ 4-3/4" tooth bit, bit sub & 90 jts 2-7/8" tbg, unload wtr w/ air, unloaded 40 bbls wtr. Secure well & equipment, turn well over to flowback hand & air hand, unload wtr w/ air as needed to FB tank

06-19-2009

Recap: Flow well to FB tank, unload wtr every 3 hours w/ air. Check & start equipment --- RIW w/ tbg WS, tagged fill @ 5488' 168' of fill, unload wtr w/ air, break circ w/ air mist cleanout sand to top of BP @ 5650', circulate clean, pump 2 3bbl sweeps --- Drill out B Pw/ air-mist, cleanout and push BP to top of BP @ 6100', circulate clean, pump 2 3bbl sweeps & blow well dry w/ air --- standback 55 stands of tbg WS, pull above top perfs --- Secure well & equipment, turn well over to flow back hand & air hand, --- Flow well to FB tank @ 3/4" choke, well is making heavy water approx 35 bph without air assist.

06-20-2009

Recap: Flow well to FB tank @ 3/4" choke, well is making heavy water approx 15 bph without air assist. Lt sand & strong gas flow, recovered approx 36% of load wtr.

06-21-2009

Recap: Flow well to FB tank @ 3/4" choke, well is making med water approx 3 bph without air assist. no sand & strong gas flow, recovered approx 38% of load wtr.

06-22-2009

Recap: Flow well back to FB tank, chk & start equipment, TIH & chk for fill, tagged fill @ 6070', 30' of fill, unloaded 25bbls of wtr, circulate & cleanout sand to top of BP @ 6100'. Blow well Dry w/ air, standback 55 stands of tbg WS, pull above top perfs, put well on 1/4" choke. Secure well & equipment, turn well over to flow back hand & air hand. Flow well to FB tank @ 1/4" choke, making no water & no sand.

06-23-2009

Recap: Flow well back to FB tank, crew travel to location --- SM w/ rig crew, chk & start equipment --- TIH & chk for fill, Tagged fill @ 6092' 8' of fill, unloaded 33 bbls of wtr, circulate & cleanout sand to top of BP @ 6100' --- Blow well Dry w/ air --- pull above top perfs, hang back PS --- flow well to pit @ 2" line to purge air from well, --- **FLOW TEST: Duration = 1 hr, Test Method, pitot = 22 lbs, MCF/D = 3042 MCFD, Csg Psi = , Tbg Psi = 0 psi, Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line**. Pitot well every 15 min for 1 hr, 15 min = 28 lbs, 30 min 24 lbs, 45 min 22 lbs, 60 min 24 lbs. --- Secure well & equipment, turn well over to flow back hand & air hand, --- Flow well to FB tank @ 1/4" choke, making no water & no sand.

06-24-2009

Recap: Flow well back to FB tank, well made no water & pressure stayed steady @ 570 psi on 1/4" choke. crew travel to location --- SM w/ rig crew, chk & start equipment --- TIH & chk for fill, no fill --- TOOH & LD 2-7/8" L-80 WS, pump wtr down backside to control well as needed --- Change out pipe rams and tools to 2-3/8", spot in tbg float w/ prod tbg --- Tally, rabbit, PU, MU & RIW as follows- 2-3/8" half mule shoe, 1 jt 2-3/8" tbg 1.78 I.D. F-nipple, & 178 jts 2-3/8" 4.70#, EUE 8rnd, J-55 tbg, pump wtr to control well as needed. PU tbg hanger & land well as follows- half muleshoe, 1 jt 2-3/8" tbg, 1.78 I.D. F-nipple, & 178 jts 2-3/8" 4.7# EUE 8 rnd tbg. EOT 5627', 1.78 I.D. SN @ 5595'. RD floor & tongs, ND BOPE, NU WH, test inner seal on tbg hanger to 1500 psi, good test. Tie WH to FB tank, flow well overnight to unload kill wtr. Secure well & location, turn well over to FB hand, flow well back to FB tank, unloaded 47 bbls of kill wtr from 20:00 to 24:00.

06-25-2009

Recap: Flow well to FB tank to unload kill water, unloaded 53 bbls from midnight to 7:00 AM --- RD & lower derrick, RD all surface equipment, tidy up location, prepare for rig move to Rosa #189. **FINAL REPORT**

NOTE: Well shut in at this time. Williams has well shut in for pressure build up and tests. The plan is to come back at a later date, probably before mid July, drill out the CIBP and produce as a MV/DK commingle. We will file for commingle authorization as soon as we have allocation information. Mancos formation will be completed at a later date. ✓