

In Lieu of
Form 3160
(June 1990)

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 14 2009

FORM APPROVED
Budget Bureau No. 1004-0135

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

Lease Designation and Serial No.
NMSF-078766

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Well ☒ Gas Well ☐ Other ☐

8. Well Name and No.
ROSA UNIT #100E

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

9. API Well No.
30-Q39-25135

3. Address and Telephone No.
PO BOX 3102 MS 25-4, TULSA, OK 74101 (918) 573-3046

10. Field and Pool, or Exploratory Area
BASIN DK

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1570' FSL & 870' FEL, NE/4 SE/4, SEC 21-T31N-R06W

11. County or Parish, State
RIO ARRIBA, NM

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent

☒ Subsequent Report

Final Abandonment

Abandonment
Recompletion
Plugging Back
Casing Repair
Altering Casing
Other Tubing and Casing Repair

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.)*

11-12-2009

Move AWS-506 from Rosa Unit #200 to Rosa Unit #100E - Spot & RU AWS-506 & Equipment - RD Horse Head, SWI & Secure Well For night - Travel from Location to Farmington.

11-13-2009

POH w/1-1/4" X 26" Polish Rod w/1-1/2" Liner, 78 - 7/8" Grade D Rods, 18 - 3/4" Grade D Rods, 127 - 3/4" Grade D Guided Rods, 3 - 1-1/2" Sinker Bars 2" X 1-1/2" X 18' RWAC Pump w/1" X 6' gas anchor (Energy Pump), Laid Down 15 - 7/8" Grade D Rods, 18 - 3/4" Grade D Rods, 5 - 3/4" Grade D Guided Rods - ND Wellhead, NU BOP, Floor, Rails, Steps, & Tong's - Attempt to release tubing anchor, without success - Attempt to release tubing anchor, without success.

11-16-2009

RD Tong's, Rails, Steps, ND BOP - Pull Tubing Hanger, NU BOP, RU floor, rails, tongs, Function Test BOP - Attempt to release tubing anchor, without success, Sheared pins in tubing anchor - Attempt to pull out of hole with 2-3/8" tubing & tubing anchor without success, Tubing stuck - SWI & Secure Well for Night.

RCVD DEC 16 '09
OIL CONS. DIV.
DIST. 3

Continued on attached sheets:

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

Signed

Rachel Lippard

Title Engineering Technician II

Date December 11, 2009

(This space for Federal or State office use)

Approved by

Title

Date

DEC 15 2009

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.

11-17-2009

RU Free Point Truck & Equipment, Run Free Point Tool, Tubing Free @ 3,251' - Run Chemical Cut & Cut Tubing @ 3,240', POH w/Tbg & Tbg Anchor Pulled Free, Top Of Fish @ 3,240' - RD Free Point Truck & Equipment - POH & LD 56 jts, Tbg Anchor Became Stuck, Worked Tbg Anchor Free - POH & LD 37 jts, Tbg Anchor 93 jt Had 1' Rod Cut Just above Pin & Tbg Anchor, POH & LD 6.5 jts 2-3/8" tbg below Anchor, Heavy Scale 1/2" Thick, Pulled 2,850' 1/4" SS Cap String banded to tubing - Change Out Tubing Trailers, SWI & Secure Well For Night.

11-18-2009

PU & RIH w/6-1/8" Shoe, Bushing, 5-3/4" Over-Shot, 3-1/8" Jars, 6 - 3-1/8" Drill Collars, 3-1/8" Accelerator, X-Over, & 94 jts 2-3/8", N-80 Tbg, Tag @ 3,164' 66' fill - RU 2.5 Power Swivel, RU Air Foam Unit, Establish circulation w/Air Foam Mist @ 14 bbls/hr & 1,500 scf/min Air - Cleanout fill fr/3,164' - 3,240', TOF, Circulate Clean - Shutdown Air Foam Mist, RD Power Swivel, POH & LD 3 jts 2-3/8" N-80 Tbg, Tubing pulling sticky, - SWI & Secure Well For Night.

11-19-2009

RIH w/3 jts 2-3/8" tbg Tag fill @ 3,235', (5' fill) - Establish circulation w/Air Foam Mist @ 14bbls/hr & 1,500 scf/min air - Mill on scale & tbg anchor slip, Attempt to latch onto fish & POH, Tbg Anchor Slip in way - Cleanout Scale, Made 3', Still couldn't catch fish - POH w/95 jts 2-3/8" Tbg, X-over, 6 - 3-1/8" Drill Collars, Bumper Sub, Jars, & 5-1/8" Shoe - SWI & Secure Well For Night.

11-20-2009

Rig Down, Mechanic Work On Rig Transmission.

11-21-2009

PU & TIH w/6-1/8" Shoe, 3 jts 5-3/4" Wash Pipe, Top Bushing, X-Over, Bumper Sub, Jars, 6 ea 3-1/8" Drill Collars, X-Over, & 93 jts 2-3/8" N-80 Tbg - RU Power Swivel, Tag Fill @ 3,233', Establish Circulation w/Air Foam Mist @ 14 bbls/hr & 1,500 scf/min Air Foam Mist - Mill Tbg Anchor Slip & Scale fr/3,233' - 3,246' - Circulate Clean w/Air Foam Mist, Hang Back Power Swivel - POH w/61 jts 2-3/8" Tbg - SWI & Secure Well For Night.

11-22-2009

POH w/45 jts 2-3/8" Tbg, X-Over, 6 - 3-1/8" Drill Collars, Jars & Bumper Sub, 3 jts 6-1/8" Wash Pipe, LD Wash Pipe - RIH w/4-1/16" Overshot w/5-3/4" Oversized Guide, 2-3/8" Basket Grapple w/Mill Control - Latch Fish @ 3,255', Pull Fish Free - POH w/103 jts 2-3/8" Tbg, X-Over, 6-3-1/8" Drill Collars, Jars & Bumper Sub, Overshot, LD 58 jts 2-3/8" EUE-8rd tbg, & 16 jts 2-3/8" NUE 10-rd tbg, 2-3/8" Screen 18 jts 2-3/8" Tbg Had 1/2" Thick Scale around tubing, Screen & Mud Anchor Plugged w/scale & coal fines - SWI & Secure Well For Night.

11-23-2009

PU, MU & RIW w/ 6-1/8" R.R. shoe, top bushing, x-over sub, jars, x-over sub & 2-3/8" N-80 tbg --- tag scale in 7" csg @ 3336', tie back drilling line, PU 2.5 swivel, break circ w/ 14 BPH air-mist --- Mill out & cleanout scale from 3336' to 3440'. TIH to top of 4-1/2" liner @ 3854', circulate hole clean --- TOOH, left 10 stands & BHA, shut down due to darkness. --- Secure well & location, SIW, SDFN

11-24-2009

: TOOH & standback 10 stands, break off Knight tools & LD --- PU MU & RIW w/ Weatherford RBP, setting tool, & 95 jts 2-3/8" N-80 EUE tbg, set RBP @ 3001' --- Load hole w/ produced water, test 7" csg against RBP, csg wouldn't test pumped into well @ 400 psi @ 4bpm --- TOOH & LD setting tool --- PU PKR & RIW to 1833', 19' below DV tool --- Pumped down tbg, test below PKR, no test, pressured up to 400 psi @ 4bpm, pump down backside test above PKR no test, began pulling up the hole & testing to isolate the top of csg leak, top of csg leak @ 1740', --- RIW w/ 3 stands, began testing below the PKR, isolated the bottom of the hole in csg @ 1896', injection rate 4 bpm @ 400 psi --- TOOH w/ tbg & PKR, dump 6 sacks of sand down wellbore to cover RBP --- Secure well & location, SIW, SDFN, No accidents reported.

VERBAL APPROVAL FOR SQUEEZE AND CLOSED LOOP SYSTEM GIVEN BY C. PERRIN

11-25-2009

TIH w/ PKR & 25 stands of 2-3/8" N-80 tbg, set PKR @ 1581' --- RU Halliburton cmt pumping equipment & wait on water. --- Load backside w/ 15 bbls & put 600 psi on backside, pressure test lines to 3200 psi, establish rate @ 2 bpm @ 1180 psi w/ cmt pump. --- Squeeze csg leak in 7" csg below PKR from 1740' to 1896'. Pump Cement @ 2 bpm @ 1290 psi. --- 100 SKS class G premium, 1.15 YLD, 4.99 gal/sk, 20.5 bbls @ 15.8#, 11.9 bbls H2O req. --- Pump displacement @ 1465 psi, calculated 6.12 bbls tbg, 6.25 bbls packer to top perf, max disp 10.4 bbls, pumped 8 bbls and shutdown, wait 15 minutes. --- Resume squeeze, pump .5 bbls pressure from 653 psi to 1254 psi, shutdown & wait 15 minutes, --- Shutdown & wait 15 minutes, resume squeeze, pump .5 bbls pressure from 857 psi to 1920 psi. --- Shut down & wait 15 minutes, resume squeeze, pump .25 bbls, pressure from 881 psi to 1438 psi. --- Shut down & wait 15 minutes, resume squeeze, pump .10 bbl pressure from 1195 up to 1495 psi --- Shut down & wait 15 minutes, resume squeeze, pressure back up to 1500 psi, Monitor pressure, holding steady, shut in w/ 1500 psi on well --- RD Halliburton --- Secure well & location, SIW, SDFN, No accidents reported.

11-24-09

11-28-2009

Bleed off pressure left on tbg & csg after squeeze --- Release PKR, TOH, standback 2-3/8" N-80 tbg, LD PKR, wait on bit sub from town --- PU, MU & RIW w/ 6-1/4" tooth bit, bit sub, 6 3-1/8" DC's, x-over sub & 46 jts 2-3/8" N-80 tbg, tagged cmt @ 1640' --- Tie back drilling line, PU 2.5 swivel, RU rig pump to backside, break circulation w/ produced water, DQ cmt from 1640' to 1702'. --- Circulate bottoms up --- Standback 3 stands, freeze protect rig & rig pump, secure well & equipment, SWIFN, no accidents reported.

11-29-2009

RIW w/ 2 stands 2-3/8" N-80 tbg, PU swivel, PU 2 jts tbg, tag cmt @ 1702' --- Break circ w/ produced water, DQ cmt from 1702' to 1797' --- LD 5 jts tbg w/ swivel, freeze protect rig & rig pump, secure well & equipment, SWIFN, no accidents reported.

11-30-2009

PU 5 jts 2-3/8" N-80 tbg, tag cmt @ 1797' --- Break circ w/ produced water, DQ cmt from 1797' to 1900'. RIW w/ 14 stands tbg to 2867' --- Test csg to 500 psi, held for 15 min w/ no leak off --- TOOH & standback tbg & DC's --- RIW w/ 6-1/4" tooth bit, csg scraper, bit sub, 6 3-1/8" DC's, X-over sub, & 85 jts of 2-3/8" N-80 tbg, make scraper run thru 7" csg. To 2867' --- RU Antelope test unit to tbg, Test csg & chart to 500 psi held for 30 min. --- freeze protect rig & rig pump, secure well & equipment, SWIFN, no accidents reported.

12-01-2009

TOH and LD casing scraper. Stand back the 3 1/8 DC - Make up the retrieving tool and TIH to pull the RBP - Rig Repair. We had to replace both fan belts on the rig motor. - PU MU & RIW w/ 95 jts 2-3/8" N-80 EUE tbg, tagged sand @ 2980' - Reverse circulated W/ produced water. C/O from 2980 - 3001' and latched onto the RBP. - TOH and LD the RBP - Load out Weatherford's tools, RBP, csg scraper and cmt retainer. - MU bit TIH W/ DC and 2 stands of tbg - Drain hardlines, pump and SWIFN.

12-02-2009

SICP= 180 PSI - TIH w/ DC and 110 jts of 2.375/N-80/4.7#/ 8 Rd EUE. - Unloaded the hole @ 3655' - TIH w/ 20 jts of 2.375" tbg and PU 42 more joints of the float, Tagged @ 5623' - PU PS and unloaded the hole @ 5610' - C/O from 5623' - 5732' W/ 1500 SCFM air and 12 BPH mist - TOH and LD 3 1/8 DC - MU mud anchor, Screen, FN, and TIH W/ 41 jts of 2.375/N-80/ 4.7#/ 8 Rd. EUE tbg to 1320 - PU tools and SWIFN, no accidents.

12-03-2009

SICP= 290 PSI - TIH W/ 23 Jts of 2.375/ N-80/ 4.7#/ 8 rd EUE tbg. Made up the tbg anchor, shipped OMNI air pkg to AWS 450, Diesel tank to town - Pressure tested the tbg to 1000 PSI and retrieved the standing valve. - RU to run the capillary string. - TIH W/ 96 Jts of 2.375/ N-80/ 4.7#/ 8 rd EUE tbg. Landed @ 5705', capillary string run from 3033 to surface - Landed the tbg, RD floor, ND BOP, Set the Tbg anchor W/ 5K in tension, tied in the capillary line. Landed the tbg and Nippled up the pumping T - Made up the gas anchor to the pump and primed the pump. - Ran in W/ gas anchor, 2X1 1/2X18 RWAC pump, 3 sinker bars, 148 3/4 guided rods, 15 7/8 guided rods, 60 7/8 slick rods, 1 - 8' 7/8 rod and 1 - 2' 7/8 rod - Installed the polish rod. Spaced out the pump, loaded out blow down tank BOP skid, - pressure tested the pump and tbg to 500 PSI OK. - Hung the horses head, drained the pump and hardline. Attempted to roll the pumping unit and hang the rods. - PU tools and SWIFN loaded out the pump and pit to go to town. As run top to bottom 96 jts 2.375/N-80/4.7#/ 8rd EUE, 1 tubing anchor, 84 jts of 2.375/N-80/ 4.7#/8 rd EUE 1 FN, screen and mud anchor, MA set @ 5705' FN set @ 5677' TA set @ 3033' - 3035' 23 jts delivered from the RU 165D, 156 (1 bad) jts delivered from RU 154B, 6 jts delivered from Tuboscope, Total of 184 on location. 180 jts ran in the hole/ 1 bad jt and 3 good jts returned to Tuboscope. Rods run 2" X 1 1/2" X 18' RWAC pump, 3 sinker bars, 148 3/4 guided rods, 15 7/8 guided rods, 60 7/8 slick rods, 1 - 8' 7/8 rod and 1 - 2' 7/8 rod, 2- 7/8 rods sent to town.

12-04-2009

SU, start rig - space out Pump, & Hang off Rods on pumping unit, Champion Chemical hook-up to cap string - RD AWS-506 & Equipment, Clean-Up Location - Travel AWS-506 from Rosa Unit #100E location to Aztec Yard.

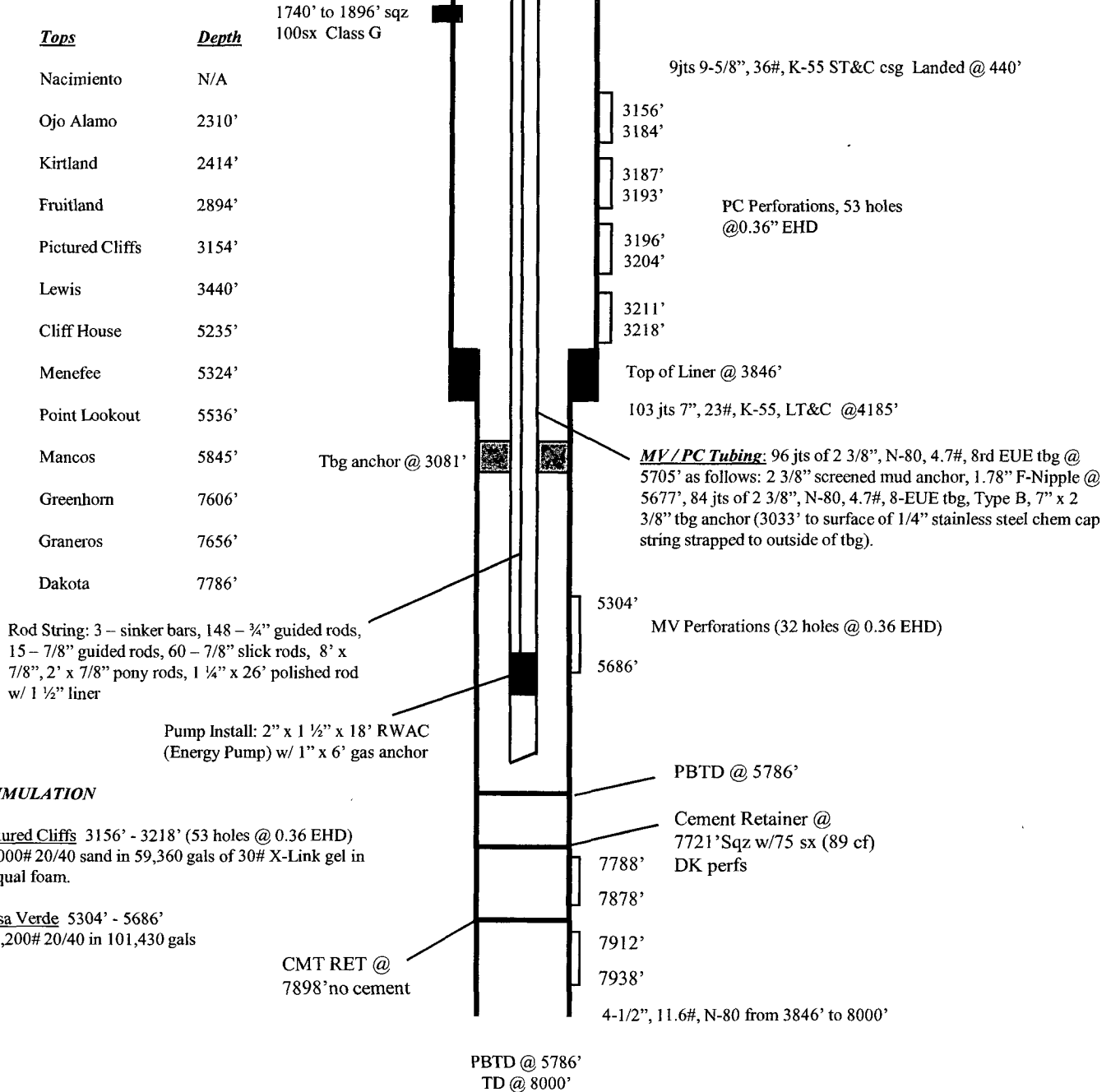
ROSA UNIT #100E PC/MV

Location: 1570' FSL, 870' FEL
NE/4 SE/4 Section 21, T31N, R6W
Rio Arriba, NM
Elevation: 6268' GR

API: 30-039-25135

Pumping Unit
Dansco 320-250-120

Spudded: 11/05/91
MV/PC Completed: 11/20/94
1st Delivery: 10/29/99
Pump Install: 08/25/08



HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8" 36#	285 s x	336 CUFT	SURFACE
8-3/4"	7" 23#	960 s x	1107 CUFT	SURFACE
6-1/4"	4-1/2" 16#	670 s x	790 CUFT	LINER TOP