

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.
SF - 0787466

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
Rosa Unit

8. Well Name and No.
Rosa Unit #18A

9. API Well No.
30-039-25436

10. Field and Pool, or Exploratory Area
BLANCO MESAVERDE

11. County or Parish, State
Rio Arriba, NM

SUBMIT IN TRIPLICATE

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

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1106' FSL, 791' FEL, SE/4 SE/4, SEC 22, T31N, R6W

RECEIVED

JAN 28 2008

management
Fairington Field Office

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

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

TYPE OF ACTION

- Abandonment
Recompletion
Plugging Back
Casing Repair
Altering Casing
☒ Other TUBING 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.)*

OBJECTIVE: Cleanout sand/scale from across perforations and acid stimulate PC/MV. Increase PC/MV tubing size and restore dual completion.

- 1) MIRU, kill, ND tree, & NU BOP's.
- 2) POOH with tubing on both strings.
- 3) Mill out packer.
- 4) Clean out fill to PBTD @ 5,925' MD.
- 5) PU Model R 4-1/2" isolation packer and set at 3510' on 2-7/8" X 2-1/16" workstring
- 6) Acid Stimulate MV and flowback
- 7) Set packer at 3275' MD and dump sand on top to isolate MV.
- 8) Acid Stimulate PC and flowback.
- 9) Retrieve packer and cleanout to PBTD.
- 10) RIH with long string and set packer @ 3,300' MD w/EOT @ 5,760'.
- 11) RIH and hang-off short string @ 3,215'.
- 12) ND BOP's & NU tree.
- 13) Release rig.
- 14) Return to production.



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

Signed

Rachel Lipperd

Title Engineering Technician

Date January 24, 2008

(This space for Federal or State office use)

Approved by Original Signed: Stephen Mason

Title

Date

JAN 29 2008

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.

NMOCD



EXPLORATION & PRODUCTION

TUBING REPAIR

ROSA 18A

RIO ARRIBA, NEW MEXICO

JANUARY 2008

WELLBORE STATUS:

PBTD 5,925' MD

1-1/2", 2.9#/FT, J-55 EUE 10 RD TO 3,214' MD---PC COMPLETION

PC ESTIMATED; SIBHP = 340± PSIG, BHT 165 DEGREES

1-1/2", 2.9#/FT, J-55 EUE 10 RD TO 5,739' MD---MESA VERDE COMPLETION

MV ESTIMATED; SIBHP = 210± PSIG, BHT 178 DEGREES

OBJECTIVE: Cleanout sand/scale from across perforations and acid stimulate PC/MV.
Increase PC/MV tubing size and restore dual completion.

- 1) MIRU, kill, ND tree, & NU BOP's.
- 2) POOH with tubing on both strings.
- 3) Mill out packer.
- 4) Clean out fill to PBTD @ 5,925' MD.
- 5) PU Model R 4-1/2" isolation packer and set at 3510' on 2-7/8" X 2-1/16" workstring
- 6) Acid Stimulate MV and flowback
- 7) Set packer at 3275' MD and dump sand on top to isolate MV.
- 8) Acid Stimulate PC and flowback.
- 9) Retrieve packer and cleanout to PBTD.
- 10) RIH with long string and set packer @ 3,300' MD w/EOT @ 5,760'.
- 11) RIH and hang-off short string @ 3,215'.
- 12) ND BOP's & NU tree.
- 13) Release rig.
- 14) Return to production.

PRIOR TO PRIMARY JOB

- 1) Acquire 6,000' of NEW 2-1/16", 3.25#/ft, J-55, IJ, tubing for long string..
- 2) Acquire 3,250' of NEW 2-3/8" 4.7 #/ft eue 8rd J-55 tubing for short string.

- 3) **Packer has been ordered**; contact Baker Hughes Oil Tools for packer (Lee Whiting 505-325-0216 office).
- 4) Acquire **600' of 1-1/2" MT drill pipe (2.0" OD, 1.0" ID, 8.34 #/ft, J-55, IJ, 127,000 lbs tensile)** for cleanout and retrieving packer inside 4-1/2" csg. **Locate additional 1900 ft 1-1/2" MT** for contingency to mill/push packer to bottom.
- 5) Acquire **3500 ft of 2-7/8", 6.5 #/ft, N-80, 8rd EUE** work string.
- 6) Acquire 3'-5' mule shoed pup, 6' orange, peeled, perfed sub, 1.875" X-nipple, 1.5" X-nipple.
- 7) Test rig anchors.
- 8) Verify location is OK for rig operations.
- 9) Ensure JSA, ECP's and lockout procedures are in place for the flowline and other energized piping or equipment.

SAFETY NOTICE

PERSONNEL SAFETY IS THE NUMBER ONE JOB.
NO EXCEPTIONS!!!

PROCEDURE:

Note: A safety meeting shall be held each morning before work and subsequent "tailgate" safety meetings are to be held during the day when operation objectives shift in nature and intent (i.e. beginning/ending fishing operations, squeeze jobs, rigging down, etc.)

1. Spot equipment, MIRU.
2. Blow down gas on well as possible to kill.
3. Set BPV's as necessary and pump into both tubing strings and backside to load well with filtered FLSW + 2% KCl as necessary to kill well.

Note: Steps 2 & 3 are to be performed each day before work begins and as necessary throughout the workday (with expected departure(s) when tubing is out of the hole).

4. ND tree and NU BOP's (blind & pipe rams).
5. Test BOP's for operation and have shop test report for pressure on location.

Note: Step 5 is to be performed each time BOP stack is nipped up.

6. Pick up one stand on PC tubing completion and inspect. If in relatively good condition, rerun and pick up new 2-1/16" as necessary to clean out to TOL @ 3,494'.
7. POOH with short string and lay down.
8. P/U on MV long string (1-1/2" 2.9 #/ft) and attempt to pull out of packer not to exceed 43,000 lbs. If string does not pull, go to # 8.1 below, otherwise if string pulls go to step 9.
- 8.1. If no fill was encountered in step # 6 above to clean out to TOL, RIH with wireline and establish a freepoint. If stuck at packer, attempt to backoff (depending on PC short

- string pipe condition) 1 joint above packer or, if backoff is not desired, cut 10' below top of 1st full joint above packer and proceed to step # 8.6, if not go to # 8.2 below.
- 8.2. If pipe is stuck at 4,000 ft or above, RIH with 500' of 1.5" MT drill pipe (2.0" OD) crossed over on 2-1/16", 3.25#/ft, J-55, IJ production tubing as necessary to cleanout to top of Model D packer @ 3,955' until returns clean up.
 - 8.3. POOH with cleanout string standing back 2-1/16" X 1-1/2" MT tubulars.
 - 8.4. Attempt to POOH with MV long string not to exceed 45,000 lbs of pull. If pipe pulls, proceed to step # 9, if not got to 8.5 below.
 - 8.5. RIH with wireline, establish freepoint. If still stuck at packer, attempt to backoff (depending on PC short string pipe condition) 1 joint above packer or, if backoff is not desired, cut 10' below top of 1st full joint above packer. If stuck some distance below packer call Tulsa engineer for consultation and direction.
 - 8.6. POOH with cut pipe and lay down.
 - 8.7. PU 3400 ft of 2-7/8", 6.5#/ft, N-80 workstring. Crossover to 1-1/2" MT drill pipe and RIH with fishing tools and jars on 2-7/8" X 1-1/2" workstring and jar 1-1/2" pipe out of hole. (Jars to be set above top of liner!).
 9. POOH with 1-1/2" long string and lay down.
 10. P/U packer plucker on 2-7/8" X 1-1/2" workstring and RIH and mill out packer (Model D) at 3,955' and POOH.
 11. Lay down packer and 1-1/2" MT workstring. Stand back 2-7/8" workstring.
 12. PU 2500 ft of MV 2-1/16" completion string with 2-7/8" junk blade bit, string float crossed over to 2-7/8" workstring and cleanout to PBTD at 5925 ft. Keep 2-7/8" workstring above TOL.

Note: Rabbit all tubing RIH.

13. POOH standing back 2-7/8" X 2-1/16" string and prepare for MV acid stimulation.
14. P/U Baker Model R type 4-1/2" isolation packer and set packer at 3,500' to 3,520' MD with EOT of MV 2-1/16" string tubing set at 5,200 MD. MU 300 ft of 2-1/16" tubing on top of packer before crossing back to 2-7/8" workstring to allow for access into perforations during cleanout and flowback. (2000 ft. total 2-1/16" tubing, 1700 ft below packer & 300 ft. above packer)
15. Pump 10,000 gallons foamed acid with salt diversion as per BJ Services attached procedure and pump schedule.
16. Unseat packer circulate/flowback acid treatment. Make sure returns are clean and spent (neutral).
17. POOH standing back 2-7/8" x 2-1/16" workstring and prepare for PC acid stimulation.
18. PU 7" packer/bridge plug, RIH and set at 3275 ft. TOO. Dump sand on top of packer.

19. Pump 10,000 gallons foamed acid with salt diversion as per BJ Services attached procedure and pump schedule.
20. RIH with 2-7/8" workstring with 1/2 mule shoe, string float and circulate out to isolation packer at 3275 ft. Make sure returns are clean and spent (neutral)
21. POOH with workstring and MU retrieving tools, RIH and retrieve packer. POOH standing back.
22. RIH with 2-7/8" X 2-1/16" workstring with 1/2 mule shoe, string float and clean out to PBTD @ 5,925' MD. Make sure well is clean, 1/4 cup of sand per 5 gallon bucket test.
23. POOH laying down 2-7/8" workstring and standing back 2-1/16" MV production tubing.

ATTENTION

Only use pipe dope on the pins. **Do not dope the couplings.** If pipe dope gets on the exterior of the couplings or the pipe it should be wiped clean from the pipe or coupling. Do not use excess pipe dope and only dope the threads on the pins.

Note: Rabbit all tubing RIH.

24. Baker Model R type 7" packer and set packer at 3,275' to 3,300' MD with EOT of MV long string tubing being set from 5,760'-5,870' MD. Bottom of tubing will be 3'-5' muled shoe pup with 1.5" X nipple.
25. P/U new 2-3/8" 4.7 #/ft, eue, 8rd, J-55 tubing with a 6' orange peeled perf sub and 1.875" X nipple landed at 3215 ft..
26. N/D BOP's and N/U wellhead.
27. R/D, move off location.
28. Return well to production.

WELLBORE DIAGRAM ROSA UNIT #18A PC/MV

LOCATION: 1106'FSL, 791'FEL
SE/4 SE/4 SEC. 22, T31N, R6W
RIO ARRIBA, Co., NM
ELEVATION: 6275' GR
KB: 12'

TOPS:
NACIMIENTO N/A
OJO ALAMO 2337'
KIRTLAND 2457'
FRUITLAND 2900'
PICTURED CLIFFS 3135'
LEWIS 3369'
CLIFF HOUSE 5270'
MENELEE 5363'
POINT LOOKOUT 5597'
MANCOS 5859'

STIMULATION

PC: 3139' to 3225'

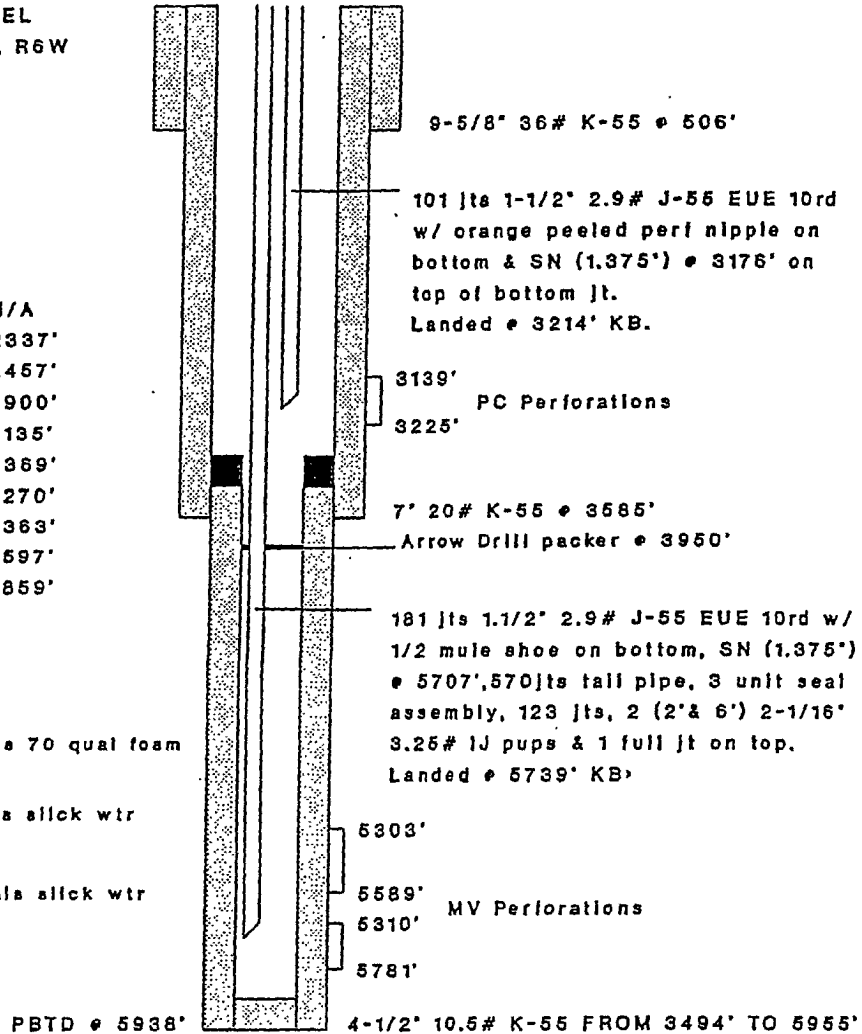
112,000# 20/40, 21,294 gals 70 qual foam

MV: 5303' to 5589'

78,800# 20/40, 58,968 gals slick wtr

MV: 5610' to 5781'

88,000# 20/40, 105,882 gals slick wtr



HOLE SIZE	CASING	CEMENT	VOLUME	TOP OF CMT
12-1/4"	9-5/8" 36#	265 SX	315 CU.FT.	SURFACE
8-3/4"	7" 20#	580 SX	1107 CU.FT.	SURFACE
6-1/4"	4-1/2" 10.5#	235 SX	407 CU.FT.	LINER TOP