

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

~~WILLIAMS PRODUCTION COMPANY~~ (S) NORTHWEST PIPELINE CORP.)

3. ADDRESS OF OPERATOR

P.O. BOX 58900, SALT LAKE CITY, UTAH 84158-0900

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1760' FSL

860' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, CR, etc.)

5. LEASE DESIGNATION AND SERIAL NO.

SF-078887

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

ROSA UNIT

8. FARM OR LEASE NAME

ROSA UNIT

9. WELL NO.

#106

10. FIELD AND POOL, OR WILDCAT

UND. GALLUP

11. SEC. T., R., M., OR BLK. AND
SURVEY OR AREA

SEC. 24 K, T31N, R4W

12. COUNTY OR PARISH

RIO ARRIBA

13. STATE

NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PLUG OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. 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.)*

1) WE PROPOSE TO PERMANENTLY ABANDON THIS WELL AS PER THE ATTACHED PROCEDURE.

RECEIVED

SEP 25 1992

OIL CON. DIV
DIST. 3

SEP 25 1992

RECEIVED

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

SIGNED

[Signature]

TITLE

SR. ENGINEER

DATE

9/2/92

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE

APPROVED
AS AMENDED

SEP 24 1992

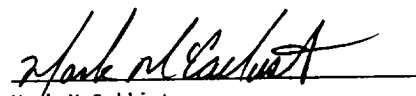
AREA MANAGER

*See Instructions on Reverse Side

ROSA UNIT #106 GL
P&A PROCEDURE

1. MOL RU Service Unit. Notify BLM 24 hrs. prior to MOL.
2. Hold safety meeting and discuss procedure.
3. PU stinger for a Baker cement retainer on 2-3/8" tubing and TIH.
4. Sting into retainer at 7190'. Squeeze the Gallup perforations with 230 sx (271 cu.ft.) of class "8" and spot 82 sx (97 cu.ft.) inside the casing (100% excess outside and 50% excess inside the casing). Sting out of and leave 5 sx on top of the retainer. Pull 2 joints.
5. Spot 13 BBLS of 9#/gal. mud from 7130' to 6319'. TOH to 6319'.
6. Spot plug #2: 38 sx (45 cu.ft.) from 6319' to 5976' (50% excess to cover from 50' below the Point Lookout to 50' above the Cliff House). TOH to 5976'.
7. Spot 32 BBLS of 9#/gal. mud from 5976' to 3895'. TOH to 3895'.
8. Spot plug #3: 29 sx (34 cu.ft.) from 3895' to 3634' (50% excess to cover from 50' below the Pictured Cliffs to 50' above the Fruitland). TOH to 3634'.
9. Spot 3 BBLS of 9#/gal. mud from 3634' to 3471'. TOH to 3471'.
10. Spot plug #4: 26 sx (31 cu.ft.) from 3471' to 3232' (50% excess to cover from 50' below the Ojo Alamo to 50' above the Ojo Alamo). TOH to 3232'.
11. Spot 43 BBLS of 9#/gal. mud from 3232' to 471'. TOH.
12. Perforate at 471' (50' below surface casing shoe).
13. Establish circulation from the bradenhead and pump cement until the surface is circulated (estimate 350 sx).
14. Cut-off wellhead and install P&A marker. Release rig.

file:#106p&a


Mark McCallister
Sr. Engineer, Production & Drilling

DATA SHEET

WELLNAME: Rosa Unit #106 GL/DK

FIELD: Und. GL/Basin DK

LOCATION: NW/4 SW/4 Sec. 24, T31N R04W

ELEVATION: 7018' GR KB = 14'

COUNTY: Rio Arriba STATE: New Mexico

TOTAL DEPTH: 8883' PBTD = 8300'

DATE COMPLETED: 10/02/84

CASING RECORD	:	CASING SIZE	:	WT. & GRADE	:	DEPTH SET	:	CEMENT	:	TOP CEMENT	:
Surface	:	13-3/8"	:	54.50# J-55	:	421'	:	600 sx	:	SURFACE	:
Production	:	4-1/2"	:	11.6# N-80	:	8881'	:	2825 sx	:	SURFACE	:

WELLHEAD EQUIPMENT Casinghead: 11" 5000# WKM
Spool:

Tubinghead: 11" 5000# X 6" 5000#
Bonnett: 6" 5000# X 2-3/8"EUE

TUBING EQUIPMENT: None. The tubing was retired when the well was TA'd.

FORMATION TOPS					
	Ojo Alamo	3282'		Menefee	6130'
	Kirtland	3421'		Point Lookout	6269'
	Fruitland	3684'		Gallup	6460'
	Pictured Cliffs	3845'		Greenhorn	8324'
	Lewis	4058'		Graneros	8370'
	Cliff House	6026'		Dakota	8504'

LOGGING RECORD: GR/DIL & CDL/CNL

PERFORATIONS: DK: 8634' to 8654', 8664' to 8694' w/ 2spf. Squeezed w/ 112 sx.
DK: 8508' to 8524', 8548' to 8626' w/ 2spf. Permanently abandoned.
GL: 7222' to 7631'w/ 1s/2ft, 7753' to 7934' w/ 1spf.

STIMULATION: LOWER DK: Swabbed. no gas.

UPPER DK: 252,000# 20/40 in 40 & 50# GEL

LOWER GL: 64,000# 20/40 in 50# GEL

UPPER GL: 99,930# 20/40 in 50# GEL. Screened out during 2# stage

PRODUCTION HISTORY: During the Lower GL frac, the casing was pressured to 9800# during a ball-off. The casing split (5' to 7') starting at 2540' and was repaired with a squeeze job. The Upper and Lower GL were then frac'd down 2-7/8" tubing with a packer set below the split. The DK was determined to be uneconomical and permanently abandoned. The GL was IP tested making 1217 MCF/D AOF. The well has never been tied in. In July of 1992 the well was TA'd. A Baker cement retainer was set at 7190' and the casing was pressure tested. A rate of 1/2 BPM at 1000# was established.

AUGUST 5, 1992

WELLBORE DIAGRAM

ROSA UNIT #106 GL/DK

NW/4 SW/4 SEC. 24, T31N, R04W
 RIO ARriba CO., NM
 ELEV. = 7018' GR.
 KB = 14'

CASINGHEAD: 11" 5000#
 TUBINGHEAD: 11" 5000 X 6" 5000#
 BONNETT: 6" 5000# X 2-3/8"

TOPS:

OJO ALAMO: 3282'
 KIRTLAND: 3421'
 FRUITLAND: 3684'
 PICTURED CLIFFS: 3845'
 LEWIS: 4058'
 CLIFF HOUSE: 6026'
 MENEFFEE: 6130'
 POINT LOOKOUT: 6269'
 NANCOS: 6460'
 GALLUP: 7110'
 GREENHORN: 8324'
 GRANEROS: 8370'
 DAKOTA: 8504'
 MORRISON: 8783'

13-3/8" 54.50# J-55 @ 421'

Split casing @ 2540' approx 5 to 7'
 Est. a rate of 1 1/2 BPM @ 1000#
 Suspect csg. repair leaking

DV TOOL @ 5852'

XXXXXX Baker Cement Retainer @ 7190'

J 7222' FRAC: 99,930# 20/40 SAND IN 50# GEL
 J w/ 1s/2ft Screened out at 2# stage
 J 7631'

J 7753' w/ 1spf FRAC: 64,000# 20/40 SAND IN 50# GEL
 J 7934'

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XXXXXX Brigde plug @ 8300' 10' of cement on top of plug.

J 8508'- 8524' w/ 2spf FRAC: 252,000# 20/40 in 40 & 50#
 J 8548'- 8626' w/ 2spf

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XXXXXX Cement Retainer @ 8630'. Squeezed w/ 112 sx.

<><>< J 8634'- 8654' w/ 2spf

<><>< J 8664'- 8694' w/ 2spf

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PRTD @ 8815'

<><>< 4-1/2" 11.6# N-80 @ 8881'

CASING STRING	HOLE SIZE	CASING SIZE	CEMENT	CEMENT VOLUME	TOP OF CEMENT
SURFACE	17-1/2"	13-3/8"	600 sx	720 cu.ft.	Surface
PRODUCTION STG 1	7-7/8"	4-1/2"	1225 sx	1387 cu.ft.	5852' (DV TOOL)
PRODUCTION STG 2		DV @ 5477'	1600 sx	1888 cu.ft.	Surface

* ALL CEMENT VOLUMES ARE REDUCED BY 25% TO CALCULATE CEMENT TOPS.