

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-G135
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 ☐ GAS ☒ OTHER ☐
WELL WELL

NAME OF OPERATOR

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

ADDRESS OF OPERATOR

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

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

1530' FNL

1790' FEL

14. PERMIT NO.

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

6971' GR

5. LEASE DESIGNATION AND SERIAL NO.

SF-078888

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

ROSA UNIT

8. FARM OR LEASE NAME

ROSA UNIT

9. WELL NO.

#103

10. FIELD AND POOL, OR WILDCAT

UND GALLUP/BASIN DAKOTA

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

SEC. 10 G, T31N, R4W

12. COUNTY OR PARISH

RIO ARRIBA

13. STATE

NM

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)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

X

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

016 FARM L. DIV. N.M.

92 SEP 18 PM 12:56

RECEIVED
BLM

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

APPROVED
AS AMENDED

CONDITIONS OF APPROVAL, IF ANY:

DATE

SEP 24 1992

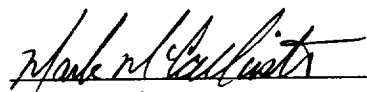
AREA MANAGER

*See Instructions on Reverse Side
NMOCD

ROSA UNIT #103 GL/DK
P&A PROCEDURE

1. MOL RU Service Unit. Notify BLM 24 hrs. prior to MOL.
2. Hold safety meeting and discuss procedure.
3. PU 3-7/8" drill bit on 2-3/8" tubing and TIH. Drill cement retainer at 7549'. TOH.
4. PU a 4-1/2" cement retainer and TIH. Set retainer at 8520'. Squeeze the Dakota perforations with 40 sx (47 cu.ft.) of class "B" and spot 16 sx (19 cu.ft.) inside casing (100% excess outside and 50% excess inside casing). Sting out of retainer leave 5 sx on top of retainer. Pull 2 joints.
5. Spot 7 BBLs of 9#/gal. mud from 8450' to 7994'. TOH.
6. PU a 4-1/2" cement retainer and TIH. Set retainer at 7555'. Squeeze Gallup perforations with 150 sx (177 cu.ft.) of class "B" and spot 49 sx (58 cu.ft.) inside casing (100% excess outside and 50% excess inside casing). Sting out of retainer and leave 5 sx on top of retainer. Pull 2 joints.
7. Spot 13 BBLs of 9#/gal. mud from 7487' to 6610'. TOH to 6610'.
8. Spot plug #3: 63 sx (74 cu.ft.) from 6610' to 6044' (50% excess to cover from 50' below the Point Lookout to 50' above the Cliff House). TOH to 6044'.
9. Spot 29 BBLs of 9#/gal. mud from 6044' to 4152'. TOH to 4152'.
10. Spot plug #4: 59 sx (70 cu.ft.) from 4152' to 3618' (50% excess to cover from 50' below the Pictured Cliffs to 50' above the Fruitland). TOH to 3618'.
11. Spot 3 BBLs of 9#/gal. mud from 3618' to 3431'. TOH to 3431'.
12. Spot plug #5: 24 sx (28 cu.ft.) from 3431' to 3215' (50% excess to cover from 50' below the Ojo Alamo to 50' above the Ojo Alamo). TOH to 3215'.
13. Spot 43 BBLs of 9#/gal. mud from 3215' to 458'. TOH.
14. Perforate at 458' (50' below surface casing shoe).
15. Establish circulation from the bradenhead and pump cement until the surface is circulated (estimate 370 sx).
16. Cut-off wellhead and install P&A marker. Release rig.

file:#103p&a


Mark McCallister
Sr. Engineer, Production & Drilling

WILLIAMS PRODUCTION COMPANY

PLUG & ABANDON

LEASE NAME: Rosa Unit	WELL NO.: #103	FIELD: Und/Basin
LOCATION: SW/4 NE/4, Sec. 10, T31N,R04W	COUNTY: Rio Arriba	STATE: New Mexico
FORMATION: Gallup/Dakota	TOTAL DEPTH: 8982'	TOTAL DAYS: 4

	ESTIMATED COST :	ACTUAL COST	
	SUB	TOTAL	SUB TOTAL
WELLHEAD EQUIPMENT: Salvage	-8000	-8000	: _____
OTHER EQUIPMENT			
Surface Production Equipment	-9000	-9000	: _____
TOTAL TANGIBLE COSTS		-17000	: _____ 0
DRILLING COSTS			
Service Unit 4 Days @ 2000 \$/Day	8000		: _____
Rig Moving Costs	4000	12000	: _____ 0
CEMENTING (Cement,Pump Trucks and Drayage)			
Squeeze Jobs & Plugs	12500		: _____
Cement Retainer: 2	1800	14300	: _____ 0
SPECIAL SERVICES			
Perforating	1500	1500	: _____
MATERIALS			
Drilling Mud and Chemicals	2600		: _____
Tank Rental	1500		: _____
Water	500		: _____
Bits	600		: _____
Hauling	1800		: _____
Tubular Inspection	3000		: _____
Miscellaneous: Pipe dope, Stripping rubbers, etc.	500	10500	: _____ 0
ACCESS and LOCATION and CLEANUP	2000		: _____
SUPERVISION, LEGAL etc.	1800	3800	: _____ 0
TOTAL INTANGIBLE COST		42100	: _____ 0
Total Direct Cost		25100	: _____ 0
Plus 5% Contingency		1255	: _____
Total Cost		26355	: _____
Total WPC Cost		0	: _____ 0

WORKING INTEREST

Williams Production Company	--0%---	ESTIMATED COSTS ONLY--Each participating Owner to Pay Proportionate Share of Actual Well Cost Subject to Operating Agreement
Others _____	-----	

Date -----08/05/92-----

Partner's Approval

Prepared By Mark McCallister

Date _____

Approved By _____

By _____

DATA SHEET

WELLNAME: Rosa unit #103 GL/DK

FIELD: Und. GL/Basin DK

LOCATION: SW/4 NE/4 Sec. 10, T31N R04W

ELEVATION: 6800'GR KB = 14'

COUNTY: Rio Arriba STATE: New Mexico

TOTAL DEPTH: 8982' PBTD = 8739'

DATE COMPLETED: 10/31/84

CASING RECORD	:	CASING SIZE	:	WT. & GRADE	:	DEPTH SET	:	CEMENT	:	TOP CEMENT	:
Surface	:	13-3/8"	:	54.50# J-55	:	408'	:	350 sx	:	SURFACE	:
Production	:	4-1/2"	:	11.6# N-80	:	8982'	:	1940 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	3265'	Menefee	6194'		
Kirtland	3381'	Point Lookout	6347'		
Fruitland	3668'	Gallup	7420'		
Pictured Cliffs	3894'	Greenhorn	8400'		
Lewis	4102'	Graneros	8452'		
Cliff House	6094'	Dakota	8554'		

LOGGING RECORD: GR/DIL & CDL/CNL

PERFORATIONS: DK: 8570' to 8605', 8628' to 8668' w/ 4spf.
GL: 7605' to 7713', 7832' to 7994' w/ 2spf.

STIMULATION: DK: 179,000# 20/40 in 60# GEL
GL: 174,000# 20/40 in 60# GEL

PRODUCTION HISTORY: The well was turned over to WPC from Amoco in June of 1985. The well was incapable of production and not tied in. The first packer test indicated communication and the packer was replaced in October of 1985. The Dakota remained logged and incapable of production. In November of 1985 the new packer failed and was replaced in July of 1986. The Dakota was swabbed for 16 days and the Dakota remained logged. The Gallup was tested making 1070 MCF/D AOF in October of 1986. Currently the Dakota is incapable of production and has not been tied in. In July of 1992 the well was TA'd. A Baker cement retainer was set at 7549'. The casing was pressure tested to 1000#.

file:#103data

AUGUST 5, 1992

WELLBORE DIAGRAM

ROSA UNIT #103 GL/DK

SW/4 NE/4 SEC. 10, T31N, R04W

RIO ARRIBA CO., NM

ELEV. = 6971' GR.

KB = 13'

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

TOPS:

OJO ALAMO: 3265'
 KIRTLAND: 3381'
 FRUITLAND: 3668'
 PICTURED CLIFFS: 3894'
 LEWIS: 4102'
 CLIFF HOUSE: 6094'
 MENESEE: 6194'
 POINT LOOKOUT: 6347'
 MANCOS: 6560'
 GALLUP: 7420'
 GREENHORN: 8400'
 GRANEROS: 8452'
 DAKOTA: 8554'
 MORRISON: 8870'

13-3/8" 54.50# J-55 @ 408'

DV TOOL @ 5854'

XXXXXX Baker Cement Retainer @ 7549'

1 7605'

1 7713'

1 spf

1 7832'

1 7994'

FRAC: 174,000# 20/40 SAND IN 60# GEL

1 8570'- 8605'

FRAC: 179,000# 20/40 SAND IN 60# GEL

1 8628'- 8668' w/ 4spf

PBD @ 8620'

4-1/2" 11.6# N-80 @ 8750'

CASING STRING	HOLE SIZE	CASING SIZE	CEMENT	CEMENT VOLUME	TOP OF CEMENT
SURFACE	17-1/2"	13-3/8"	350 sx	413 cu.ft.	Surface
PRODUCTION STG 1	7-7/8"	4-1/2"	1100 sx	1195 cu.ft.	5477' (DV TOOL)
PRODUCTION STG 2		DV @ 5477'	1720 sx	2019 cu.ft.	300' (survey)

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