

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other
instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND
LEASE NO. SF-078771

6. IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____
b. TYPE OF COMPLETION: NEW WELL ☒ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER _____

7. UNIT AGREEMENT NAME
ROSA UNIT (008480)

2. NAME OF OPERATOR
NORTHWEST PIPELINE CORPORATION

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #144

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 58900 MS 2M3 SALT LAKE CITY, UTAH 84158-0900 (801) 584-6981

9. API WELL NO.
30-039-25421

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
983' FNL & 1029' FEL
At Surface

10. FIELD AND POOL, OR WILDCAT
WILDCAT; ROSA PICTURED CLIFFS
96175

At top production interval reported below
At total depth

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
NE/4 NE/4 SEC. 26, T31N R6W

RECEIVED
SEP 30 1994
OIL CON. DIV.
DIST. 3

14. PERMIT
NO.

DATE ISSUED

12. COUNTY OR
PARISH
RIO ARRIBA

13. STATE
NEW MEXICO

15. DATE
SPUDED
07/24/94

16. DATE T.D.
REACHED
07/28/94

17. DATE COMPLETED
(READY TO PRODUCE)
09/16/94

18. ELEVATIONS (DK, RKB,
RT, GR, ETC.)*
6298' GR

19. ELEVATION CASINGHEAD
6298'

20. TOTAL DEPTH, MD & TVD
3360'

21. PLUG, BACK T.D., MD & TVD
3308'

22. IF
MULTICOMP., HOW
MANY

23. INTERVALS
DRILLED BY
+++++

ROTARY TOOLS
X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
WILDCAT; ROSA PICTURED CLIFFS 3121' TO 3220'

25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN
CASED HOLE: GR/CCL/CBL OPEN HOLE: IES/GR/CNL/CDL

27. WAS WELL CORED
NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD			AMOUNT PULLED
8-5/8" K-55	24#	218'	12-1/4"	150 SX	177 cu.ft.	SURFACE	
4-1/2" K-55	10.5#	3328'	6-3/4"	495 SX	911 cu.ft.	SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1-1/2" 2.9#	3208'	

30. TUBING RECORD

31. PERFORMANCE RECORD (Interval, size, and number)

3121' TO 3127', 3140' TO 3156', 3163' TO 3167' 3178' TO 3192', 3196' TO 3220'.
TOTAL OF 37 .36" DIA HOLES.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
3121'	3220'	101,560# 20/40 SAND	18,816 GALS 30# X- LINK IN 70 QUALITY FOAM

33. PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) FLOWING				WELL STATUS (PRODUCING OR SHUT IN) SHUT IN	
DATE OF TEST 09/26/94	HOURS TESTED 5	CHOKE SIZE 2"	PROD'N FOR TEST PERIOD+++++	OIL - BBL. 0	GAS - MCF 286	WATER - BBL. 0	GAS-OIL RATIO N/A
FLOW TUBING PRESS N/A	CASING PRESSURE 581#	CALCULATED 24-HOUR RATE++++ 5 HOUR PITOT		OIL - BBL. 0	GAS - MCF 1374	WATER - BBL. N/A	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
TO BE SOLD

TEST WITNESSED BY
CHIK CHARLEY

35. LIST OF ATTACHMENTS: LOGS, SUMMARY OF POROUS ZONES, & WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

ACCEPTED FOR RECORD

SIGNED KATHY BARNEY Kathy Barney TITLE SR. OFFICE ASSISTANT DATE September 27, 1994

*(See Instructions and Spaces for Additional Data on Reverse Side)

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.

FARMINGTON DISTRICT OFFICE

BY

WELLBORE DIAGRAM ROSA UNIT #144 PC

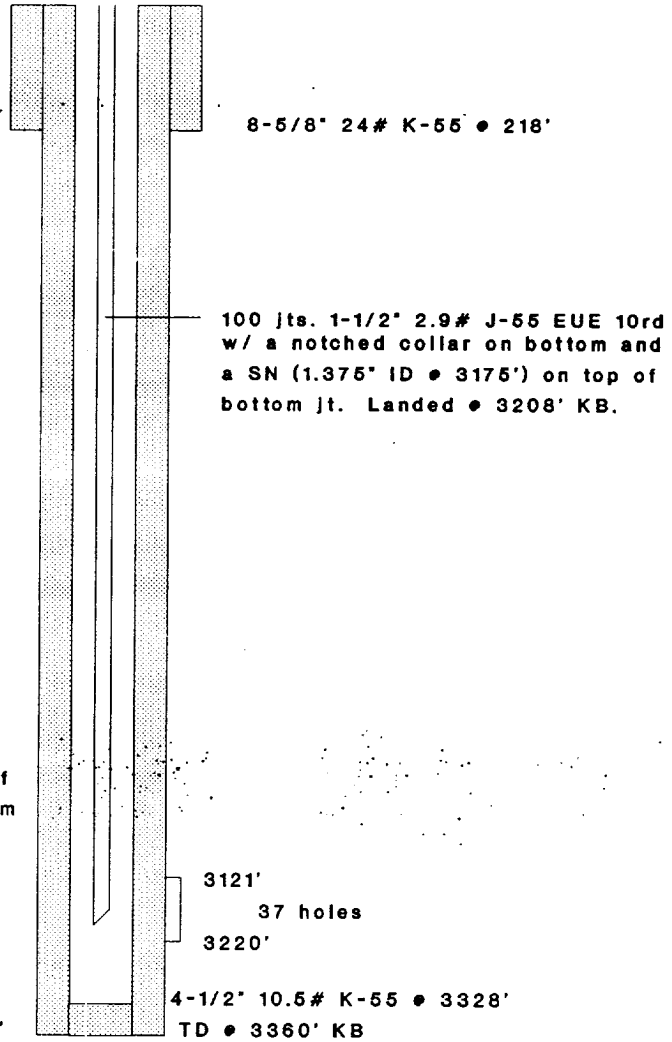
LOCATION: 983'FNL, 1029'FEL
NE/4 NE/4 SEC. 26, T31N, R6W
RIO ARriba CO., NM
ELEVATION: 6298' GR
KB = 12'

TOPS:

NACIMIENTO	N/A
OJO ALAMO	2349'
KIRTLAND	2483'
FRUITLAND	2958'
PICTURED CLIFFS	3122'
LEWIS	N/A

STIMULATION

Pictured Cliffs: 3121' to 3220'
101,560# of 20/40 sand in 18,816 gals of
30# Borate X-Link gel in a 70 Qual. Foam

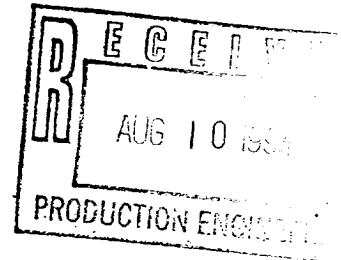


HOLE SIZE	CASING	CEMENT	VOLUME	TOP OF CMT
12-1/4"	8-5/8" 24#	150 SX	177 CU.FT.	SURFACE
6-3/4"	4-1/2" 10.5#	495 SX	911 CU.FT.	SURFACE

FOUR CORNERS DRILLING CO.

P. O. BOX 1067
5651 U.S. HWY. 64
FARMINGTON, NEW MEXICO 87499

TELEPHONE: (505) 326-3371
FAX: (505) 326-3370



August 5, 1994

Williams Production Company
Mr. Mark McAllister
295 Chipeta Way
Salt Lake City, UT 84108

RE: Deviation report on the Rosa Unit 144,
Section 26, Township 31 N, Range 6 W
Rio Arriba County, New Mexico

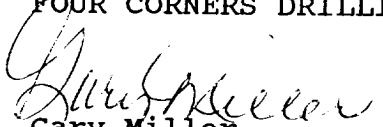
Gentlemen:

Below is the deviation report for your Rosa Unit 144 Well.

93'	$\frac{1}{2}^{\circ}$
211'	$\frac{1}{2}^{\circ}$
472'	1°
970'	1°
1159'	$\frac{3}{4}^{\circ}$
1661'	1°
2162'	$1\frac{1}{2}^{\circ}$
2652'	1°
3164'	$1\frac{1}{4}^{\circ}$
3321'	1°

Sincerely,

FOUR CORNERS DRILLING COMPANY


Gary Miller
Drilling Superintendent

GM/tdd

Acknowledgement

State of New Mexico)
) s.s.
County of San Juan)

The foregoing instrument was acknowledge before me this 5th day
of August, 1994, by Gary Miller.

Elizabeth J. Bell
Notary Public

My Commission Expires : 02-04-97

