

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

RECEIVED
BLM (See other
instructions on
reverse side)

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

5. LEASE DESIGNATION AND
LEASE NO. SF-078766

6. IF INDIAN, ALLOTTEE OR

7. UNIT AGREEMENT NAME
ROSA UNIT (008480)

8. FARM OR LEASE NAME, WELL
NO.
ROSA UNIT #18A

9. API WELL NO.
30-039-25436

10. FIELD AND POOL, OR WILDCAT
BLANCO MESAVERDE 72319

11. SEC., T., R., M., OR BLOCK
AND SURVEY OR AREA
SE/4 SE/4 SEC. 22, T31N R6W

12. COUNTY OR
PARISH
RIO ARRIBA

13. STATE
NEW MEXICO

19. ELEVATION CASINGHEAD
6275'

ROTARY TOOLS
X

CABLE TOOLS

25. WAS DIRECTIONAL SURVEY MADE
YES

27. WAS WELL CORED
NO

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐

b. TYPE OF COMPLETION:
NEW WELL ☒ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐

070 FARMINGTON, NM

2. NAME OF OPERATOR
NORTHWEST PIPELINE CORPORATION

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
1106' FSL & 881' FEL
At Surface

At top production interval reported below

At total depth

OIL CON. DIV.
DIST. 3

14. PERMIT
NO.

DATE ISSUED

15. DATE
SPUDDED
07/09/94

16. DATE T.D.
REACHED
07/17/94

17. DATE COMPLETED
(READY TO PRODUCE)
08/18/94

18. ELEVATIONS (DK, RKB,
RT, GR, ETC.)*
6275' GR

20. TOTAL DEPTH, MD & TVD
5955'

21. PLUG, BACK T.D., MD & TVD
5938'

22. IF
MULTICOMP., HOW
MANY PC/MV

23. INTERVALS
DRILLED BY

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
MESAVERDE 5303' TO 5781'

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

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
9-5/8" K-55	36#	506'	12-1/4"	265 SX	315 cu.ft.	SURFACE	
7" K-55	20#	3585'	8-3/4"	580 SX	1107 cu.ft.	SURFACE	

29. LINER RECORD

30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2" K-55	3494'	5955'	235 SX (407 cu.ft.)		1-1/2" 2.9#	5739'	3950'

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

1ST STAGE:
5610', 13', 16', 19', 22', 25', 28', 31', 34', 37', 40', 46', 51', 54', 57', 71', 74', 84', 87', 90', 93', 5716', 33', 75',
78', 81'. TOTAL 26 .36" DIA HOLES
2ND STAGE:
5303', 44', 47', 50', 53', 56', 59', 88', 91', 5404', 07', 13', 23', 26', 29', 32', 35', 38', 63', 89', 5513', 17', 21',
54', 56', 58', 74', 81', 85', 89'. TOTAL OF 30 .36" DIA HOLES.

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

DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
5610'	5781'	88,000# 20/40 SAND	105,882 GALS SLICK WATER
5303'	5589'	78,800# 20/40 SAND	58,968 GALS SLICK WATER

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 08/15/94	HOURS TESTED 1 HR. PITOT	CHOKE SIZE 2"	PROD'N FOR TEST PERIOD-----	OIL - BBL. 0	GAS - MCF 66	WATER - BBL. N/A	GAS-OIL RATIO N/A
FLOW TUBING PRESS N/A	CASING PRESSURE N/A	CALCULATED 24-HOUR RATE----- BASED ON PITOT TEST		OIL - BBL. 0	GAS - MCF 1,588	WATER - BBL. N/A	OIL GRAVITY-API (CORR.)

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

TO BE SOLD

TEST WITNESSED BY
FRED CLAUSEN

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

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

SIGNED Kathy Barney TITLE SR. OFFICE ASSISTANT DATE August 30, 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.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP		
					NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
<u>NACIMIENTO</u>	<u>SURFACE</u>						
040 ALAMO	2337'	2457'					
KIRTLAND	2457'	2900'					
FRUITLAND	2900'	3135'					
PICTURED CLIFFS	3135'	3369'					
LEWIS	3369'	5270'					
CLIFF HOUSE	5270'	5363'					
MENEFEE	5363'	5597'					
POINT LOOKOUT	5597'	5859'					
MANCOS	5859'	N/A					
TD	5955'						

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'
MENEFEE	5363'
POINT LOOKOUT	5597'
MANCOS	5859'

STIMULATION

PC: 3139' to 3225'

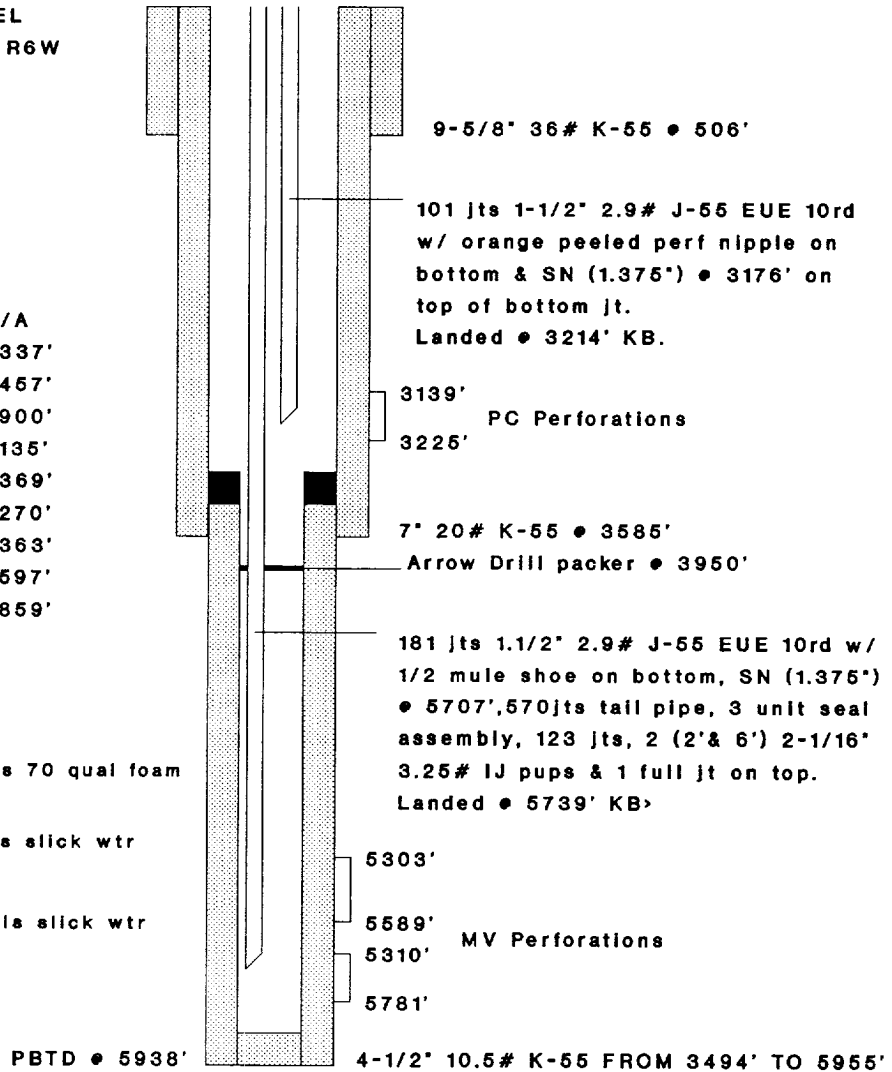
112,000# 20/40, 21,294 gals 70 qual foam

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

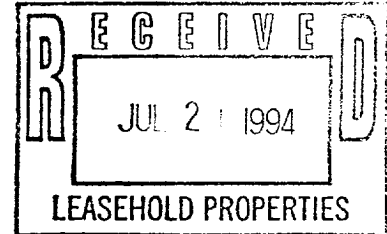


HOLE SIZE	CASING	CEMENT	VOLUME	TOP OF CMT
12-1/4"	9-5/8" 36#	265 SX	315 CU.FT.	SURFACE
8-3/4"	7" 20#	580 SX	1107 CU.FT.	SURFACE
6-1/4"	4-1/2" 10.5#	235 SX	407 CU.FT.	LINER TOP

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



July 18, 1994

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

RE: Deviation report on the Rosa Unit 18A,
Section 22, Township 31 N, Range 6 W
Rio Arriba County, New Mexico

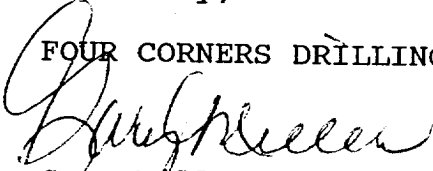
Gentlemen:

Below is the deviation report for your Rosa Unit 18A Well.

152'	$\frac{3}{4}^{\circ}$
300'	$1\frac{1}{2}^{\circ}$
479'	2°
607'	$1\frac{3}{4}^{\circ}$
849'	$1\frac{1}{2}^{\circ}$
1128'	$1\frac{1}{2}^{\circ}$
1662'	1°
2163'	$\frac{3}{4}^{\circ}$
2665'	$\frac{3}{4}^{\circ}$
3125'	$\frac{1}{2}^{\circ}$
3558'	MR
3534'	$\frac{3}{4}^{\circ}$
3884'	$\frac{1}{2}^{\circ}$
4136'	$\frac{3}{4}^{\circ}$
4439'	2°
4628'	2°
4845'	2°
5359'	$2\frac{1}{2}^{\circ}$
5602'	$2\frac{3}{4}^{\circ}$
5944'	$2\frac{1}{4}^{\circ}$

Sincerely,

FOUR CORNERS DRILLING COMPANY


Gary Miller
Drilling Superintendent

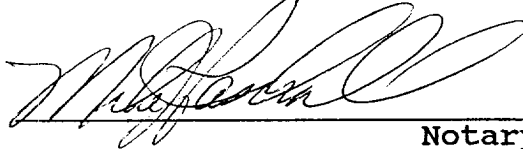
GM/tdd

July 18, 1994
Rosa Unit 18A
PAGE 2

Acknowledgement

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

The foregoing instrument was acknowledge before me this 18th day
of July, 1994, by Gary Miller.



Notary Public

My Commission Expires : 8-27-94
(seal)