

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

RECEIVED
(See other
instructions on
reverse side)

FORM APPROVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐	14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH RIO ARriba	13. STATE NEW MEXICO
b. TYPE OF COMPLETION: NEW WELL ☐ WORKOVER ☒ DEEPEN ☐ PLUG BACK ☐ DIFF.RESVR. ☒	OTHER RECOMPLETION			
2. NAME OF OPERATOR NORTHWEST PIPELINE CORPORATION	8. FARM OR LEASE NAME, WELL NO. ROSA UNIT #18			
3. ADDRESS AND TELEPHONE NO. P.O. BOX 58900 MS 2M3 SALT LAKE CITY, UTAH 84158-0900 (801) 584-6981	9. API WELL NO. 30-039-07960			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* 1470' FNL & 800' FEL At Surface At top production interval reported below At total depth	10. FIELD AND POOL, OR WILDCAT WILDCAT ROSA PICTURED CLIFFS 96175		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SE/4 NE/4 SEC. 22, T31N R6W	
15. DATE SPUDDED 10/10/56	16. DATE T.D. REACHED 10/23/56	17. DATE COMPLETED (READY TO PRODUCE) 09/15/94	19. ELEVATION CASINGHEAD 6254'	
20. TOTAL DEPTH, MD & TVD 5766'	21. PLUG, BACK T.D., MD & TVD 5740'	22. IF MULTICOMP., HOW MANY PC/MV	23. INTERVALS DRILLED BY ----->	25. WAS DIRECTIONAL SURVEY MADE YES
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* PICTURED CLIFFS 3088' TO 3171'				27. WAS WELL CORED NO
26. TYPE ELECTRIC AND OTHER LOGS RUN CASED HOLE: GR/CCL/CBL/PNDS				

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" H-40	32.3#	204'	13-3/4"	175 SX	207 cu.ft.	SURFACE	
7" J-55	20#	3575'	8-3/4"	200 SX	347 cu.ft.	2255' (CALC)	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5" J-55	3455'	5766'	150 SX (177 cu.ft.)		1-1/2" 2.9#	3153'	4000'

30. TUBING RECORD

31. PERFORMANCE RECORD (Interval, Loss, and Number) PICTURED CLIFFS: 3088' TO 3112', 3116' TO 3124' 3130' TO 3152', 3159' TO 3171' TOTAL 37.36" DIA HOLES	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 3088' 3171' AMOUNT AND KIND OF MATERIAL USED 110,000# 20/40 SAND 12,180 GALS 30# X-LINK IN 70 QUALITY FOAM
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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 09/18/94	HOURS TESTED 5 HR. PITOT	CHOKE SIZE 2"	PROD'N FOR TEST PERIOD----->	OIL - BBL. 0	GAS - MCF 258	WATER - BBL. N/A	GAS-OIL RATIO N/A
FLOW TUBING PRESS N/A	CASING PRESSURE 464#	CALCULATED 24-HOUR RATE-----> BASED ON PITOT TEST		OIL - BBL. 0	GAS - MCF 1,236	WATER - BBL. N/A	OIL GRAVITY-API (CORR.)

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

TO BE SOLD

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

SR. OFFICE ASSISTANT

DATE

September 19, 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.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS	TOP	MEASURED DEPTH	TRUE VERTICAL DEPTH
<u>NACIMIENTO</u>	<u>SURFACE</u>							
OJO ALAMO	2310'	2411'						
KIRTLAND	2411'	2908'						
FRUITLAND	2908'	3082'						
PICTURED CLIFFS	3082'	3475'						
LEWIS	3475'	5210'						
CLIFF HOUSE	5210'	5307'						
MENEFEE	5307'	5544'						
POINT LOOKOUT	5544'	N/A						
TD	5766'							

WELLBORE DIAGRAM

EXISTING ROSA UNIT #18 MV

Location: SE/4 NE/4 Sec. 22
T31N,R06W,Rio Arriba Co., NM

Elevation: 6254' GR
KB = 12'

TOPS:

NACIMIENTO	N/A
OJO ALAMO	2310'
KIRTLAND	2411'
FRUITLAND	2908'
PICTURED CLIFFS	3082'
LEWIS	3475'
CLIFF HOUSE	5210'
MENEFEE	5307'
POINT LOOKOUT	5544'

STIMULATION:

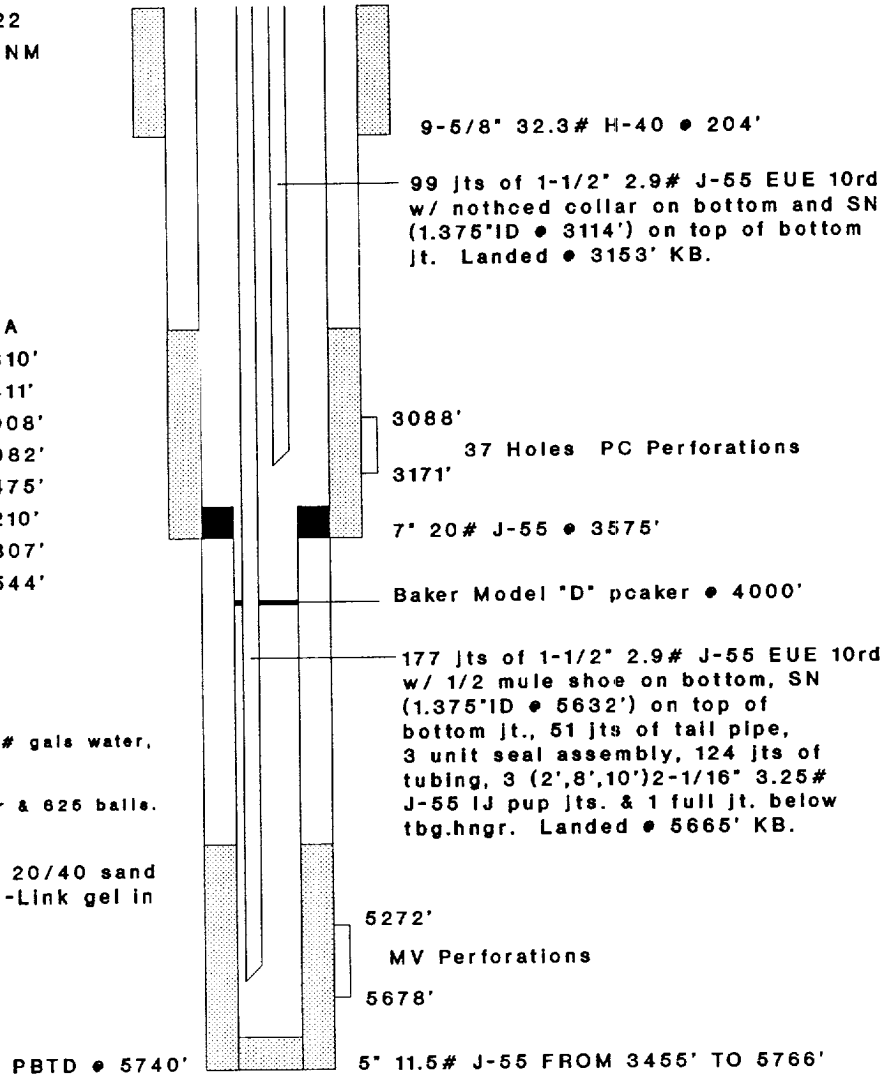
Mesa Verde:

1. 50,000# of sand in 75,000# gals water,
Dropped 193 balls.

2. Re-frac: 151,200 gals water & 625 balls.

Pictured Cliffs

3088' to 3171': 110,000# of 20/40 sand
in 12,180 gallons of 30# X-Link gel in
a 70 quality foam.



HOLE SIZE	CASING	CEMENT	VOLUME	TOP OF CMT
13-3/4"	9-5/8" 32.3#	175 SX	207 CU.FT.	SURFACE
8-3/4"	7" 20#	200 SX	347 CU.FT.	2255'(calc)
6-1/4"	5" 11.5#	150 SX	177 CU.FT.	4615'(calc)