

Submit to Appropriate District

Office

State Lease - 6 copies

Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

DISTRICT I
P.O.Box 1980, Hobbs, NM
88240

DISTRICT II
P.O.Drawer DD, Artesia, NM
88210

DISTRICT III
1000 Rio Brazos Rd., Aztec,
NM 87410

OIL CONSERVATION DIVISION

P.O.Box 2088

Santa Fe, New Mexico 87500-2088

WELL API NO. 30-039-25417

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
E-289

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 ☐ PLUGBACK ☐ DIFF RESVR ☐ OTHER _____

7. Lease Name or Unit Agreement Name
ROSA UNIT

2. Name of Operator
NORTHWEST PIPELINE CORPORATION

8. Well No.
ROSA UNIT #32A

3. Address of Operator
PO BOX 58900, SALT LAKE CITY, UTAH 81458-0900 (801)584-6981

9. Pool Name or Wildcat
ROSA PICTURED CLIFFS

4. Well Location
Unit Letter **F** : **1771** Feet From The **NORTH** Line and **1557** Feet From The **WEST** Line

Section **21** Township **31N** Range **06W** NMPM **RIO ARRIBA** County

10. Date Spudded **06/23/94** 11. Date T.D. Reached **07/01/94** 12. Date Completed (Ready to Prod.) **07/28/94** 13. Elevations (DF & RKB, RT, GR, etc.) **6336'** 14. Elevation Casinghead **6336'**

15. Total Depth **6057'** 16. Plug Back T.D. **6032'** 17. If Multiple, Completion, How Many Zones? **2 (PC/MV)** 18. Intervals Drilled By **X** Rotary tools **X** Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name
ROSA PICTURED CLIFFS 3168' TO 3272' 20. Was Directional Survey Made
YES

21. Type Electric and Other Logs Run
CASED HOLE: GR/CCL/CBL OPEN HOLE: IND/GR/CDL/SNL 22. Was Well Cored
NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8" K-55	36#	522'	12-1/4"	265 SX 305 cu. ft.	
7" K-55	20#	3624'	8-3/4"	610 SX 1126 cu. ft.	

LINER RECORD				TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
4-1/2" K-55	3535'	6057'	240 SX		1-1/2" 2.9#	3279'
						3950'

26. Perforation record (interval, size, and number)	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
3268' TO 3176', 3194' TO 3234', 3240' TO 3244', 3257' TO 3272'.	
TOTAL OF 71 .36" DIA HOLES.	
	DEPTH INTERVAL
	AMOUNT AND KIND MATERIAL USED
	3168' TO 3272'
	110,000# 20/40 SAND 40,626 GAL 30# X-LINK IN 70 QUALITY FOAM

28. PRODUCTION

Date of First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Producing or Shut-in)		
	FLOWING				SHUT IN		
Date of Test 08/18/94	Hours Tested 3	Choke Size 3/4"	Production For Test Period	Oil - Bbl.	Gas - MCF 152	Water - Bbl.	Gas-Oil Ratio
Flow Tubing Pressure 89#	Casing Pressure 609#	Calculated 24- Hour Rate	Oil - Bbl.	Gas - MCF 1,214	Water - Bbl.	Oil Gravity - API - (Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
TO BE SOLD Test Witnessed By
CHIK CHARLEY

30. List Attachments
LOGS, SUMMARY OF POROUS ZONES, DEVIATION REPORT & WELLBORE DIAGRAM

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Kathy Barney Printed Name KATHY BARNEY Title SR. OFFICE ASSISTANT Date 08/24/94

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the cast of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	2330'	T. Penn. "B"
T. Salt	T. Strawn	T. Kirkland-Fruitland	2463'	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	3163'	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	5326'	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	5388'	T. Madison
T. Queen	T. Silurian	T. Point Lookout	5632'	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	5845'	T. McCracken
T. San Andres	T. Simpson	T. Gallup		T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn		T. Granite
T. Paddock	T. Ellenburger	T. Dakota		T.
T. Blinebry	T. Gr. Wash	T. Morrison		T.
T. Tubb	T. Delaware Sand	T. Todilto		T.
T. Drinkard	T. Bone Springs	T. Entrada		T.
T. Abo	T.	T. Wingate		T.
T. Wolfcamp	T.	T. Chinle		T.
T. Penn	T.	T. Permian		T.
T. Cisco (Bough C)	T.	T. Penn "A"		T.

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____
No. 2, from _____ to _____

No. 3 from _____ to _____
No. 4 from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet _____

No. 2, from _____ to _____ feet _____

No. 3, from _____ to _____ feet _____

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology

**WELLBORE DIAGRAM
ROSA UNIT #32A PC/MV**

LOCATION: 1771'FNL, 1557'FWL
SE/4 NW/4 SEC. 21, T31N, R6W
RIO ARRIBA, Co., NM
ELEVATION: 6336' GR
KB: 12'

TOPS:

NACIMIENTO	N/A
OJO ALAMO	2330'
KIRTLAND	2463'
FRUITLAND	2953'
PICTURED CLIFFS	3163'
LEWIS	3485'
CLIFF HOUSE	5326'
MENEFEE	5388'
POINT LOOKOUT	5632'
MANCOS	5845'

STIMULATION:

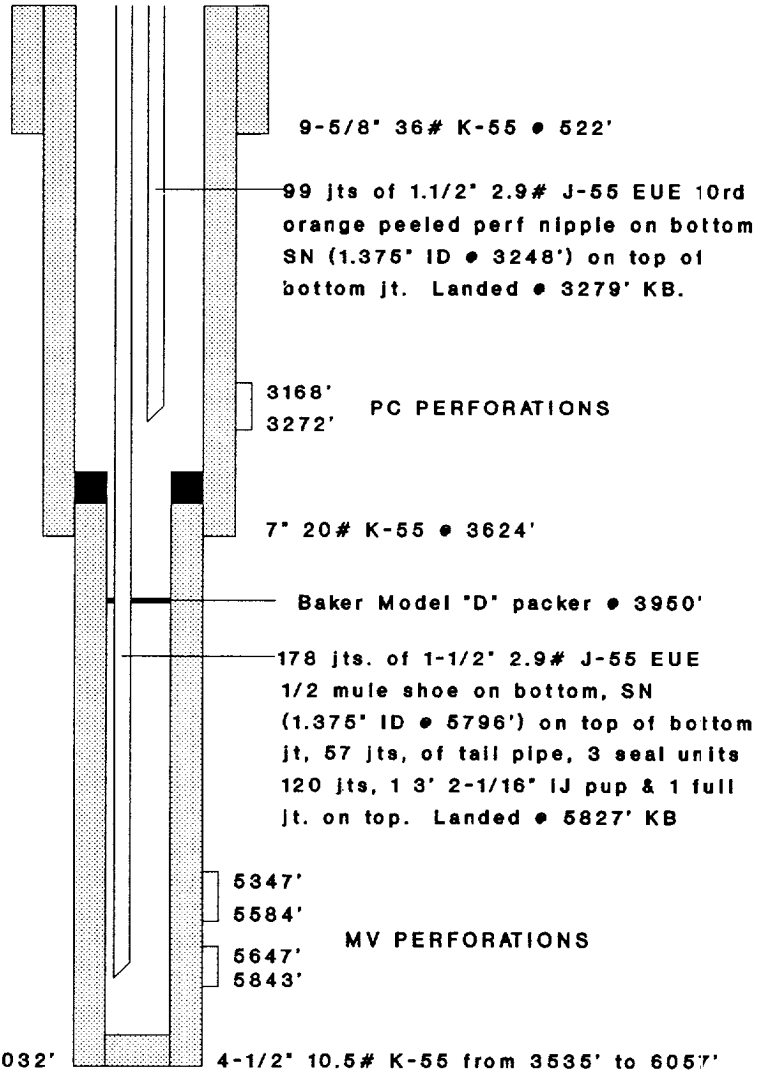
mv

1. 5647'to 5843'
120,000# 20/40, 149,210 gals of slick water.
2. 5347'to 5584'
70,000# 20/40, 105,084 gals of slick water.

PC

3. 3168'to 3272'
110,000# 20/40, 40,626 gals of 70 quality foam.

PBTD • 6032'



HOLE SIZE	CASING	CEMENT	VOLUME	TOP OF CMT
12-1/4"	9-5/8" 36#	265 SX	305 CU.FT.	SURFACE
8-3/4"	7" 20#	610 SX	1126 CU.FT.	SURFACE
6-1/4"	4-1/2" 10.5#	240 SX	415 CU.FT.	LINER TOP