In Lieu of
Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1.	Type of Well ☐ Oil Well ☒ Gas Well ☐ Other	5.	Lease Designation and Serial No. SF 078768
		6.	If Indian, Allottee or Tribe Name
		7.	If Unit or CA, Agreement Designation ROSA UNIT
2.	Name of Operator NORTHWEST PIPELINE CORPORATION	8.	Well Name and No. ROSA UNIT #54
		9.	API Well No. 30-039-20736
3.	Address and Telephone No. PO BOX 58900 MS 2M3, SALT LAKE CITY, UTAH 84158-0900 (801) 584-6879	10.	Field and Pool, or Exploratory Area BLANCO MESAVERDE
4.	Location of Well (Footage, Sec., T., R., M., or Survey Description) 1585' FSL & 1575' FWL, SEC 36, T31N, R5W	11.	County or Parish, State RIO ARRIBA, NEW MEXICO

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☒ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other _____	☐ Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)*

Estimated start date of work JUNE 15, 1995.

It is proposed to Plug and Abandon this well as per the attached procedure.

RECEIVED
MAY 17 1995
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed STERG KATIRGIS Title SR. ENGINEER Date May 5, 1995

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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.

*See Instruction on Reverse Side

APPROVED
MAY 18 1995
DISTRICT MANAGER

NMOCD

PLUG & ABANDONMENT PROCEDURE

5-1-95

Rosa Unit #54
Blanco Mesaverde
SW, Sec. 36, T31N, R5W
Rio Arriba County, New Mexico

Note: All cement volumes use 100% excess outside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test location rig anchors. Prepare blow pit. Comply to all NMOCD, BLM, and Williams safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and NU BOP, test.

2. Release Baker Fullbore packer at 5710'. POH and tally 2-3/8" EUE tubing (?? jts @ 6100'), visually inspect tubig, LD packer. If necessary PU 2" workstring. RIH with casing scraper and tag PBTD at 6200'; if tag is deeper than 7580', then set a 12 sxs plug over the Gallup top at 7530'. Note if unable to pull packer then run a casing scraper or gauge ring before any cement retainers.

3. **Plug #1 (Mesaverde perforations, 6148' - 5750'):** PU 4-1/2" cement retainer and RIH; set at 5800'. Establish rate into Mesaverde perfs. Mix and pump 58 sxs Class B cement, squeeze 53 sxs cement below cement retainer over Mesaverde perfs and leave 5 sxs on top of retainer to 5750'. Pull above cement and load well with water; circulate clean. Pressure test casing to 500#. POH to 3950'.

4. **Plug #2 (7-5/8" casing window, Pictured Cliffs and Fruitland tops, 3950' - 3448'):** Mix 42 sxs Class B cement and spot a balanced plug inside casing. POH with tubing.

5. **Plug #3 (Kirtland and Ojo Alamo tops, 3190' - 2890'):** If 4-1/2" casing has not tested, then attempt test to 500#. Perforate 3 or 4 squeeze holes at 3190'. If casing tested, attempt to establish rate into squeeze holes. PU 4-1/2" cement retainer and RIH; set at 3140'. Establish rate into squeeze holes, attempt to pump outside 7-5/8" casing. Mix and pump 74 sxs Class B cement, squeeze 47 sxs cement into 4-1/2" x 7-5/8" annulus from 3190' to 2890'; and leave 27 sxs cement inside 4-1/2" casing over Ojo Alamo; if possible, increase cement by 110 sxs and squeeze outside 7-5/8" casing. POH and LD setting tool. Pressure test casing to 500#.

6. **Plug #4 (Nacimiento, 1570' - 1470'):** Perforate 3 or 4 squeeze holes at 1570'. If casing tested, attempt to establish rate into squeeze holes. PU 4-1/2" cement retainer and RIH; set at 11520'. Establish rate into casing annulus; and outside 7-5/8" casing. Mix 73 sxs Class B cement, squeeze 41 sxs cement outside 7-5/8" casing from 1570' to 1470'; squeeze 20 sxs into 4-1/2" X 7-5/8" annulus; and leave 12 sxs cement inside 4-1/2" casing over Nacimiento top. POH and LD tubing and setting tool.

7. **Plug #5 (Surface):** Perforate 3 or 4 squeeze holes at 361'. Establish circulation out bradenhead valve and intermediate valve. Mix approximately 175 sxs Class B cement and pump down 4-1/2" casing, circulate good cement out bradenhead valve and out intermediate valve. Shut in well and WOC.

8. ND BOP and cut wellhead off below surface casing. Install P&A marker with cement to comply with regulations. RD, Move off location, cut off anchors, and restore location.

Rosa Unit #54

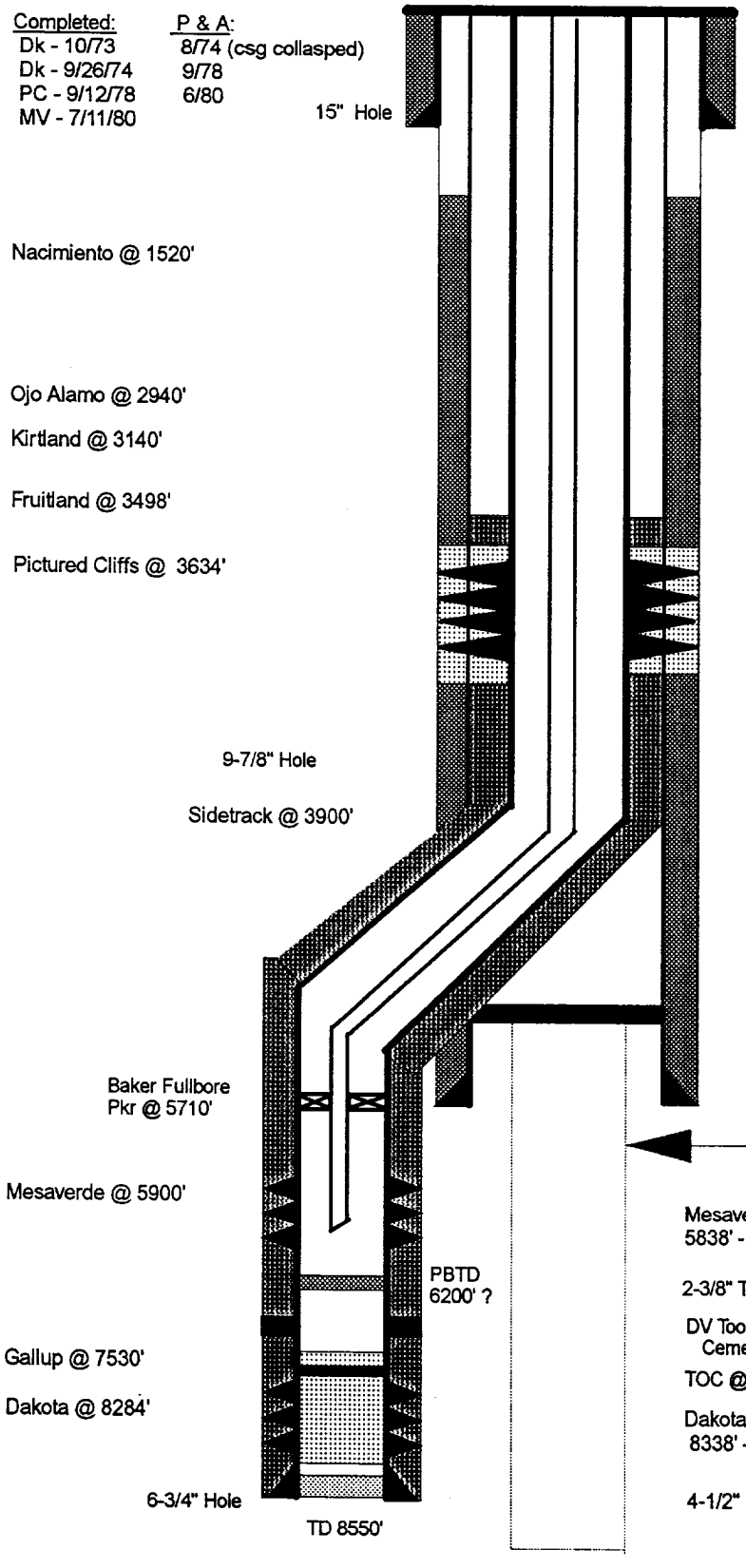
Current

Blanco Mesaverde

Today's Date: 5 /1/95 **SW Sec. 36, T-31-N, R-5-W, Rio Arriba County, NM**

Spud: 8/20/73

Completed:	P & A:
Dk - 10/73	8/74 (csg collasped)
Dk - 9/26/74	9/78
PC - 9/12/78	6/80
MV - 7/11/80	



Rosa Unit #54

Proposed P & A

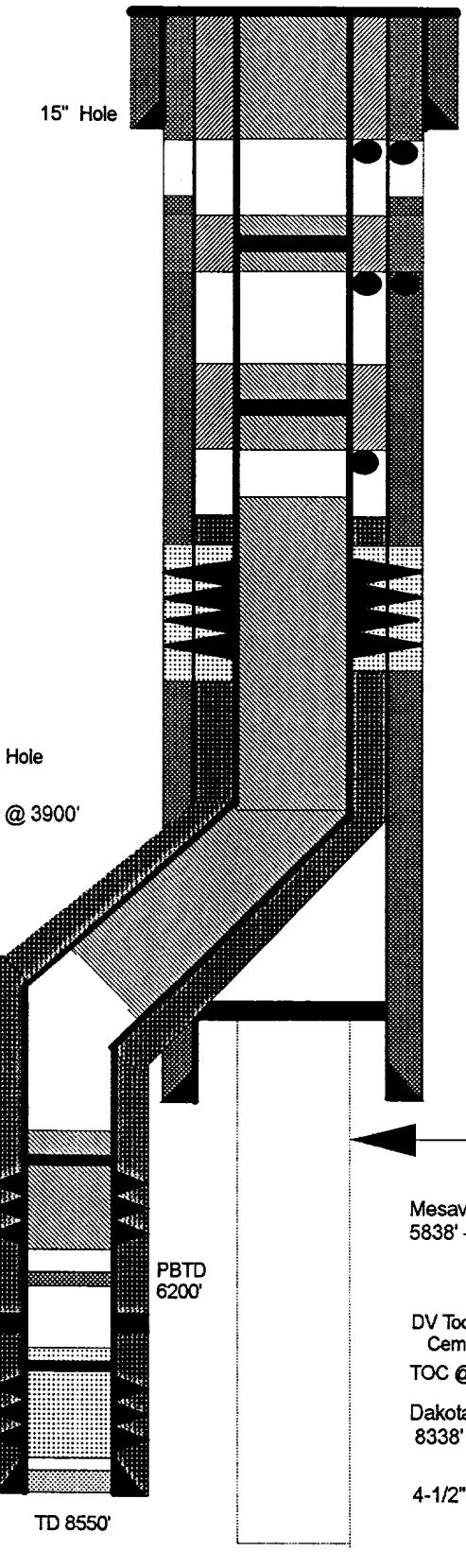
Blanco Mesaverde

SW Sec. 36, T-31-N, R-5-W, Rio Arriba County, NM

Today's Date: 5 /1/95

Spud: 8/20/73

Completed:	P & A:
Dk - 10/73	8/74
Dk - 9/26/74	9/78
PC - 9/12/78	6/80
MV - 7/11/80	



10-3/4 40.5#, Csg set @ 311'
Cmt w300 sxs (Circulated to Surface)

Perforate @ 361'

Plug #5 361' -Surface with 175 sxs cmt, 99 sxs outside 7-5/8", 49 sxs in 4x7-5/8" annulus and 27 sxs inside 4-1/2" casing.

Cement Rt @ 1520'

Perforate @ 1570'

Plug #4 1570' - 1470' with 73 sxs cmt, 41 sxs outside 7-5/8", 20 sxs in 4x7-5/8" annulus and 12 sxs inside 4-1/2" casing.

Cement Rt @ 3140'

Perforate @ 3190'

Plug #3 3190' - 2890' with 74 sxs cmt, 47 sxs in 4x7-5/8" annulus and 27 sxs inside 4-1/2" casing.

TOC in 4-1/2" x 7-5/8" @ 3610'
(CBL - 9/78)

Pictured Cliffs Perforations:
3634' - 3708', P&A 6/80,
Sqzd w/ 100 sxs cement.

Plug #2 3950 ' - 3448' with 42 sxs Class B cement.

Cement Rt @ 3910'

7-5/8" 26.4# @ 4035'
Cmt w/ 1214 cf

4-1/2" Csg Cut at 3918' after it collapsed at 8166'; First Dk completion P&A in 8/74

Mesaverde Perforations:
5838' - 5964', 6043' - 6148'

Cement Retainer @ 5800'

Plug #1 6148' - 5750' with 58 sxs cmt, 53 below CR and 5 sxs above.

DV Tool @ 6325'
Cement w/ 575 cf

TOC @ 7350' (CBL)

Dakota Perforations:
8338' - 8417'; P&A 9/78

4-1/2" 11.6# K-55 @ 8554'
Cement w/ 806 cf