

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF-078767	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR NORTHWEST PIPELINE CORPORATION OGRID 16189		7. UNIT AGREEMENT NAME ROSA UNIT 008480	
3. ADDRESS AND TELEPHONE NO. c/o Walsh Engr. & Prod. Corp. 7415 E. Main Farmington, N.M. 87402 505 327-4892		8. FARM OR LEASE NAME, WELL NO. #149	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1510' FNL & 830' FEL At proposed prod. zone Same		9. AN WELL NO. 30-039-25501	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 27 miles Northeast of Blanco, New Mexico		10. FIELD AND POOL, OR WILDCAT BLANCO MESA VERDE 72319	
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 830'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA G Sec. 12, T31N, R6W	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 700'		12. COUNTY OR PARISH Rio Arriba	
16. NO. OF ACRES IN LEASE 2518.04		13. STATE N.M.	
19. PROPOSED DEPTH 5980'		17. NO. OF ACRES ASSIGNED TO THIS WELL 27.17 271.17	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6286' GR		20. ROTARY OR CABLE TOOLS Rotary	
		22. APPROX. DATE WORK WILL START* April 15, 1995	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8", K-55	36.0	500'	315 cuft C1 "B" w/3% CaCl2
8-3/4"	7", K-55	20.0	3560'	851 cuft 65/35 poz, 204 cuft C1 "B"
6-1/4"	4-1/2", K-55	10.5	3460'-5980'	415 cuft C1 "B" w/4% gel & additives

This casing and cementing program is technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

DRILLING OF WELLS IS AUTHORIZED ARE SUBJECT TO COMPLETION WITH ATTACHED "GENERAL REQUIREMENTS"

NORTHWEST PIPELINE proposes to drill a vertical well to develop the Mesa Verde formation at the above described site in accordance with the attached drilling and surface use programs.

This location has been archaeologically surveyed by CRMC. Copies of the report will be submitted directly to your office.

This APD also is serving as an application to obtain BLM road and pipeline right-of-way. The right-of-way is a new road approximately 1525' long and crosses the SW/NE of Section 12 where it joins an existing road that crosses the S/2 NW/4 of Section 12 and the SE/NE and the NE/SE of Section 11 all of T31N, R6W where it joins with the main Rosa Road. The Rosa Road continues SW for 18 miles where it joins the Sims Mesa Highway. A plat of the new access road and pipeline is attached.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Paul C. Thompson TITLE Paul C. Thompson, Agent DATE 3/17/95

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not constitute a warranty that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

*See Instructions On Reverse Side

APPROVED
AS AMENDED

APR 06 1995

DISTRICT MANAGER

OIL CON. DIV.

NMOC

DIST. 3

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Bravo Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-25501	¹ Pool Code 72319	¹ Pool Name BLANCO MESA VERDE
¹ Property Code 008480	¹ Property Name Rosa Unit	¹ Well Number 149
¹ OGRID No. 16189	¹ Operator Name Northwest Pipeline Production	¹ Elevation 6286'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	12	31 N	6 W		1510	North	830	East	R.A.

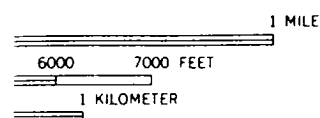
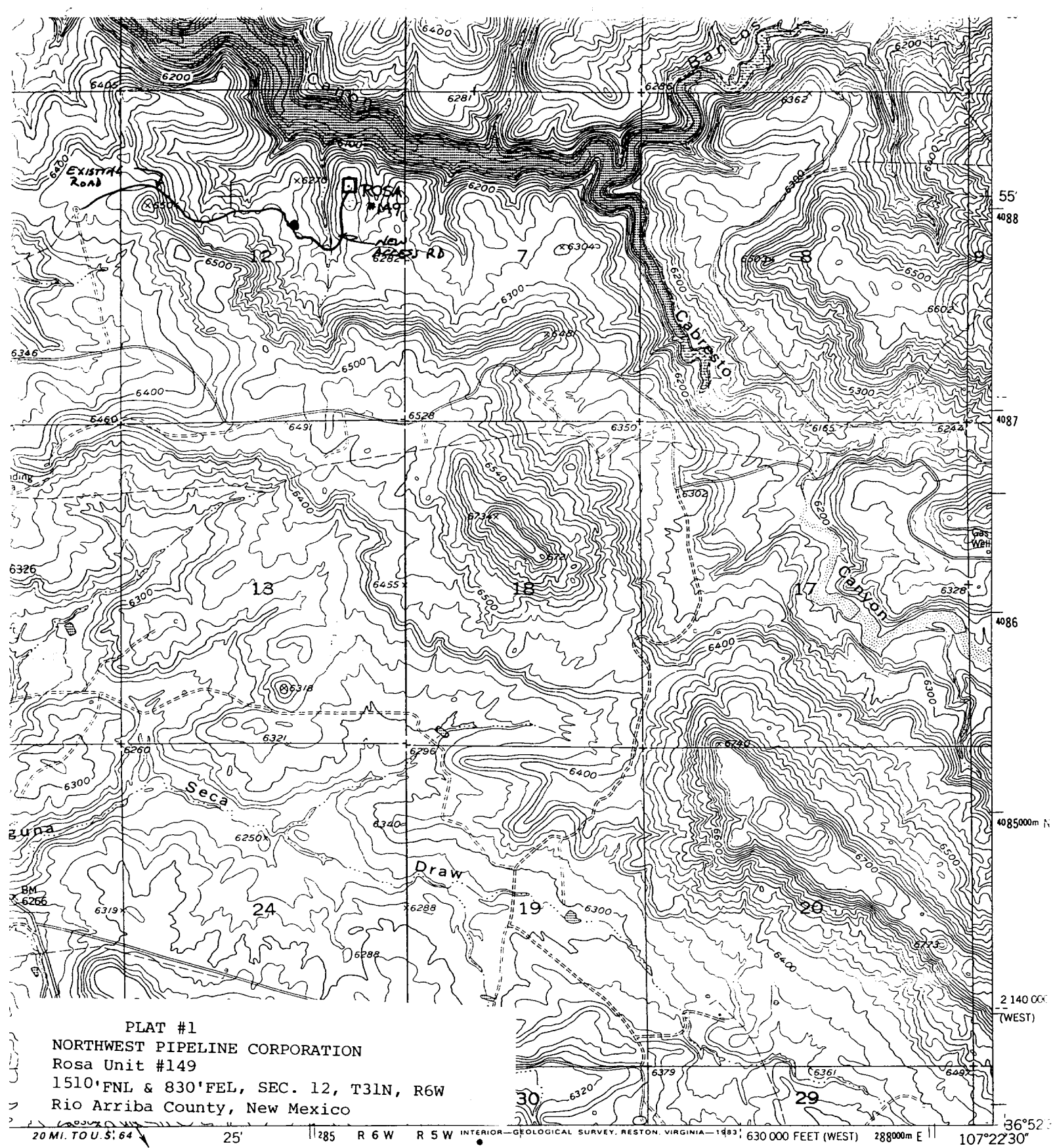
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 217.17 271.17	¹³ Joint or Infill N	¹⁴ Consolidation Code U	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div>16</div> <div>4472.82'</div> <div>1510'</div> <div>830'</div> <div>5280.00'</div> <div>4478.76'</div> <div>RECEIVED APR 10 1995 OIL CON. DIV. DIST. 3</div>	<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Paul C. Thompson</i> Signature Paul C. Thompson, PE (AGENT) Printed Name President Walsh Engr. & Prod. Corp. Title 3/17/95 Date</p> <div>18 SURVEYOR CERTIFICATION</div> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>2-27-95 Date of Survey Signature and Seal of Professional Surveyor: NEALE C. EDWARDS NEW MEXICO 6857 CERTIFICATED LEAD SURVEYOR</p> <p>Certificate Number</p>
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ROAD CLASSIFICATION
 Light-duty ————— Unimproved dirt =====

BANCOS MESA NW, N. MEX.