Form 3160-3 (December 1990)

## **IINITED STATES**

SUBMIT IN TRIPLICATE\* (Other instructions on reverse side)

Form approved. Budget Bureau No. 1004-0136 Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN  1a. TYPE OF WORK  DRILL  OLAS WELL  OLAS WELL  OLAS WELL  OLAS WELL  OLAS WELL  OLAS NORTHWEST PIPELINE CORPORATION  TO WALL  OLOSATION OF WELL  (Report location clearly and in accordance with any State requirements.*)  At surface  At surface  At proposed prod. sone  Same  14. DISTANCE IN MILES AND DIRECTION FROM MEAREST TOWN OR POST OFFICE*  25 miles Northeast of Blanco, New Mexico  15. DISTANCE FROM PROPOSED* (Also to nearest drig, unit ine, if any)  16. No. of ACRES IN LEASE TO THIS WELL  OCATION TO KRAREST TOOL READER  TO THIS WELL  OCATION TO KRAREST TOOL READER  TO THIS WELL  OCATION TO KRAREST TOOL READER  TO THIS WELL  OCATION TO KRAREST TOOL EASE LINE, FT. (Also to nearest drig, unit ine, if any)  15. DISTANCE FROM PROPOSED LOCATION* TO KRAREST TOOL READER  TO READER TOOL THE LEASE, IT.  OR AFFILIDATION, (Show whether DF, RT, GR, etc.)  OR AFFILIDATION, (Show whether DF, RT, GR, etc.)  OR OFFICE TOOL TO BE LIARS, IT.  OR OFFICE TOOL TOOL TOOL TOOL TOOL  OR OFFICE TOOL TOOL TOOL TOOL  OR OFFICE TOOL TOOL TOOL TOOL  OR OFFICE TOOL TOOL  OR OFFICE TOOL TOOL  OR OFFICE TOOL TOOL  OR OFFICE TOO		DEPARTMENT	r of the II	NTERI	OR			5. LEASE DESIGNATION	AND SERIAL NO.		
DRILL DEEPEN DETERMINED ON PORT DEEPEN DEEPE		SF-078769									
DRILL SOTHER DEEPEN   SINGLE SONE   ROSA Unit 008480    OIL OVER SONE   SONE SONE   SONE   SONE   SONE   SONE   SONE   SONE    OIL OVER SONE	APPL	ICATION FOR P	ERMIT TO	RILL	OR DE	EPEN		6. IF INDIAN, ALLOTTE	OR TRIBE NAME		
NORTHWEST PIPELINE CORPORATION OGRID 16189  3. ADDRESS TO FERROR PUPELINE CORPORATION OGRID 16189  3. ADDRESS TO FERROR PUPELINE CORPORATION OF ACRES IN LEAST STATE AND STREET VALUE OF ACRES IN LEAST STATE AND FORCE AGRICATOR AND ACRES IN LEAST STATE AND FORCE AGRICATOR AND ACRES IN LEAST STATE AND FORCE AGRICATOR AND ACRES IN LEAST STATE AND ACRES I	DR	DEEPEN [									
NORTHWEST PIPELINE CORPORATION OGRID 16189  3. ADDRESS AND TRESPROYSED.  7415 E. Main Farmington, N.M. 87402 505 327-4892  4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  895 FSL & 1850 FWL  At proposed prod. zone Same  14. DISTANCE IN MILES AND DIRECTION FROM MEAREST TOWN OR POST OFFICE.  25 miles Northeast of Blanco, New Mexico  10. DISTANCE FROM PROPOSED.  10. FIELD AND POOL, OR WILDCAT  BLANCO MESS A VERDE 72319  11. INC., T. R. M. OR RELL.  AND SURVEY OR AREA  Sec. 28, T31N, R5W  12. COUNTY OR PARISH 18. STATE  RIO Arriba N.M.  10. DISTANCE FROM PROPOSED.  10. FIELD AND POOL, OR WILDCAT  BLANCO MESS A VERDE 72319  11. INC., T. R. M. OR RELL.  AND SURVEY OR AREA  Sec. 28, T31N, R5W  12. COUNTY OR PARISH 18. STATE  RIO Arriba N.M.  10. DISTANCE FROM PROPOSED.  10. FIELD AND POOL, OR WILDCAT  BLANCO MESS A VERDE 72319  11. INC., T. R. M. OR RELL.  AND SURVEY OR AREA  Sec. 28, T31N, R5W  12. COUNTY OR PARISH 18. STATE  RIO Arriba N.M.  10. DISTANCE FROM PROPOSED.  10. FIELD AND POOL, OR WILDCAT  BLANCO MESS A VERDE 72319  11. INC., T. R. M. OR RELL.  AND SURVEY OR AREA  Sec. 28, T31N, R5W  12. COUNTY OR PARISH 18. STATE  RIO Arriba N.M.  12. COUNTY OR PARISH 18. STATE  RIO Arriba N.M.  12. COUNTY OR PARISH 18. STATE  RIO Arriba N.M.  12. COUNTY OR PARISH 18. STATE  RIO Arriba N.M.  12. COUNTY OR PARISH 18. STATE  RIO Arriba N.M.  20. ROTART OR CASE ABSIGNED  TO THIS WELL.  320  22. ROTART OR CASE TOOLS  ROTARY  April 15, 1995  22. APPROX. DATE WORK WILL STATE  April 15, 1995  DRILLING OPERATIONS AUTHORIZED ARE  APRIL 15, 1995  DRILLING OPERATIONS AUTHORIZED ARE  APRIL 15, 1995  12-1/4" 9-5/8", K-55 36.0 250' 161 cuft C1 "B" W/3% CaCl2  8-3/4" 7", K-55 20.0 3655' 943 cuft 65/35 Pos, 183 cuft C1 "B" W/4% gel &  6-1/4" 4-1/2", K-55 10.5 3555-6235' 415 cuft C1 "B" W/4% gel &	OIL O	VELL OTHER					• - 🗆		LL HO.		
3. ADDRESS AND TREPROVISION. C/O Walsh Engr. & Prod. Corp.  7415 E. Main Farmington, N.M. 87402 505 327-4892  4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)  895 FSL & 1850 FWL  At proposed prod. sone Same  10. DISTANCE IN MILES AND DISECTION FROM NEAREST TOWN OR POST OFFICE*  25 miles Northeast of Blanco, New Mexico  10. DISTANCE FROM PROPOSED*  LOCATION TO KLAREST FOOM PROPOSED*  10. DISTANCE FROM PROPOSED*  LOCATION TO KLAREST FOOM PROPOSED*  10. DISTANCE FROM PROPOSED*  11. SEC. T. R. M. OS BLK.  AND SUPERIOR OF ACKES ASSIGNED  TO THIS WELL  320  11. NO. OF ACKES ASSIGNED  TO THIS WELL  320  12. COUNTY OR PASSIGNED  RICHARDS FROM PROPOSED*  13. DISTANCE FROM PROPOSED*  14. NO. OF ACKES ASSIGNED  TO THIS WELL  320  15. PROPOSED DEFTH  6235 TO KARSEST WELL, DRILLING, COMPLETED.  ON AFFIEND FROM THIS LEASE, TT.  21. ELEVATIONS, (Show whether DF, RT, GR, etc.)  6507 FIG. 2010 Is Subject to technical and  DRILLING OPERATIONS AUTHORIZED ARE  321. ELEVATIONS, (Show whether DF, RT, GR, etc.)  6507 FIG. 2010 Is Subject to technical and  DRILLING OPERATIONS AUTHORIZED ARE  322. APPROX. DATE WORK WILL START*  April 15, 1995  DRILLING OPERATIONS AUTHORIZED ARE  340 April 15, 1995  DRILLING OPERATIONS AUTHORIZED ARE  350 Isla Cuft Cl "B" W/3% Cacl2  8-3/4"  7", K-55  20.0  3655'  943 cuft 65/35 Pos, 183 cuft Cl":  6-1/4"  4-1/2", K-55  10.5		TPELINE CORPORA	TTON -	OGRI	D 16189	)		9. AN WELL HO.	<del></del>		
10. Field and Fool, 08 Wildcare   11. BAC., I. M., OF BEAR   12. COUNTY OF PARISH   13. STATE   12. COUNTY OF PARISH   13. STATE   12. COUNTY OF PARISH   13. STATE   13. STATE   14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR FOST OFFICE*   12. COUNTY OF PARISH   13. STATE   13. STATE   14. DISTANCE FROM PROPOSED   16. NO. OF ACRES IN LEASE   17. NO. OF ACRES ASSIGNED   17. NO. OF ACRES ASSIGNED   18. DISTANCE FROM PROPOSED   19. PROPOSED DEPTH   320   20. KOTARI OR CABLE TOOLS   750'								$\frac{1}{20-n^2}$	9-15-5-19 -		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.")  895 FSL & 1850 FWL  At proposed prod. sone  Same  Sec. 28, T3lN, R5W  14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OF POST OFFICE*  25 miles Northeast of Blanco, New Mexico  10. DISTANCE FROM PROPUSED* LOCATION TO KRAEKET FROM PROPUSED* LOCATION TO KRAEKET FROM PROPUSED* TO KRAEKET WELL, BRILLING, COMPLETED, TO THIS WELL  320.  EXC. 28, T3lN, R5W  12. COUNTY OF PRIEKE RIO ARTIES RIO ARTIES RIO ARTIES ROCATION TO RELEGATION OF ACERS AND INC. TO THIS WELL  320.  EXC. 28, T3lN, R5W  11. BRC. T. M. OS BLEX.  12. COUNTY OF PRIEKE RIO ARTIES RIO ARTIES ROCATION TO THE WELL  320.  EXC. 28, T3lN, R5W  12. COUNTY OF PRIEKT RIO ARTIES ROCATION TO THIS WELL  320.  EXCRETE ASSOCIATION TO THE WELL  321.  EXC. 28, T3lN, R5W  12. COUNTY OF PRIEKT RIO ARTIES RIO ARTIES ROCATION TO THE WELL  320.  EXCRETE ASSOCIATION TO THE WELL  321.  EXC. 28, T3lN, R5W  15. COUNTY OF PRIEKT RIO ARTIES ROCATION TO THE WELL  320.  EXCRETE ASSOCIATION TO THE WELL  321.  EXCRETE ASSOCIATION TO THE WELL  322.  APPROX. DATE MERS TO THE WELL  322.  APPROX. DATE MERS TO THE WELL  322.  APPRO					505 32	27-4892		10. FIELD AND POOL, OR WILDCAT			
At proposed prod. sone Same    11. sec. x. e. w. or bix.   12. count of area   Sec. 28, T3ln, R5w     14. distance in wiles and direction from nearest town or post office.   12. count of passes   13. state   13. state   14. state   15. state   15. miles   16. no. of acers in least   17. no. of acers assigned   16. no. of acers in least   17. no. of acers assigned   18. distance from from the kerset   18. state   18. state	4. LOCATION OF WELL (B				e requireme	nts.*)		BLANCO MESA VERDE 72319			
14. DISTANCE IN MILES AND DIRECTION FROM MEAREST TOWN OR FOST OFFICE*   25 miles Northeast of Blanco, New Mexico   12. County or Parise   18. State   N.M.     10. DISTANCE FROM PROPOSED*   2560   17. No. OF ACRES ARRIGHMED   320     11. DISTANCE FROM PROPOSED*   2560   17. No. OF ACRES ARRIGHMED   320     12. COUNTY OR PARISE   18. STATE   N.M.   N.M.     13. DISTANCE FROM PROPOSED*   2560   17. No. OF ACRES ARRIGHMED   320     13. DISTANCE FROM PROPOSED LOCATION*   320   19. PROPOSED DEPTH   6235'   ROTARY OR CARLE TOOLS     13. DISTANCE FROM PROPOSED LOCATION*   750'   6235'   ROTARY OR CARLE TOOLS     14. REVAINING (Show whether DF, RT, GR, etc.)   22. APPROX. DATE WORK WILL START*     15. DISTANCE FROM PROPOSED LOCATION*   750'   6235'   ROTARY OR CARLE TOOLS     16. NO. OF ACRES ARRIGHMED   N.M.     17. NO. OF ACRES ARRIGHMED   70	At surface							11. SBC., T., R., M., OR MIN.			
25 miles Northeast of Blanco, New Mexico  10. DISTANCE FROM PROPOSED* LOCATION TO KEARERT PROPERTY OF LEASE LINE, FT. (Also to bearest drig. unit line, if any)  18. DISTANCE FROM PROPOSED LOCATION* TO KEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON TENS EASE, FT.  (Also to bearest drig. unit line, if any)  19. PROPOSED DEPTH 6235' Rotary  20. EXTART OR CABLE TOOLS ROTARY  21. ELEVATIONS, (Show whether DF, RT, GR, etc.)  (A550 / N   GR action is subject to technical and procedural review pursuant to 43 CFR 3165.2 AND SUBJECT PROPOSED DEPTH OF COMPLIANCE WITH  SIZE OF HOLE ORAD, SIZEOFCASINO WEIGHT PER FOOT AT LACKHED GENERAL REQUIREMENT  12-1/4" 9-5/8", K-55 36.0 250' 161 cuft C1 "B" w/3% CaCl2  8-3/4" 7", K-55 20.0 3655' 943 cuft 65/35 Pos, 183 cuft C1"  6-1/4" 4-1/2", K-55 10.5 3555-6235' 415 cuft C1 "B" w/4% gel &	At proposed prod. so:	same						Sec. 28, T31	N, R5W		
16. No. of acres in least   17. No. of acres absigned   16. No. of acres in least   17. No. of acres absigned   18. Distance from frotest dist, unit line, if any)   18. Distance from frotosed location*   750   19. Proposed depth   6235   Rotary   22. Approx. Date work will start*   No. of acres absigned   19. Proposed depth   6235   Rotary   22. Approx. Date work will start*   April 15, 1995.   22. Approx. Date work will start*   April 15, 1995.   22. Approx. Date work will start*   April 15, 1995.   April 15, 1995.   22. Approx. Date work will start*   April 15, 1995.   April 15, 1995.   23.   April 16. No. of acres in least   17. No. of acres absigned   No. of acres absigned   No. of acres in least   17. No. of acres absigned   No. of acres absigned   No. of acres absigned   No. of acres absigned   No. of acres in least   17. No. of acres absigned   No. of acres and apple   No. of acres and least   18. No. of acres in least   17. No. of acres absigned   No. of acres and least   17. No. of acres and least   18. No. of acres in least   17. No. of acres and least   18. No	14. DISTANCE IN MILES	AND DIRECTION FROM NEA	EST TOWN OR POST	OFFICE*				12. COUNTY OR PARISH   18. STATE			
10 CATION TO REAREST   FROTESTI OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)   2560   19. PROPOSED DEPTH   20. ROTARI OR CABLE TOOLS   750'   6235'   Rotary   22. APPROX. DATE WORK WILL START'   April 15, 1995   April 16, 1995	25 miles No	rtheast of Blan	co, New Mex	ico				Rio Arriba	N.M.		
18. DISTANCE FROM PROPOSED LOCATION* TO KEAREST WELL, DRILLING, COMPLETED. OR APPLIED FOR, ON THE LEASE, FT.  21. ELEVATIONS, (Show whether DF, RT, GR, etc.)  650 / R action is subject to technical and  DFOCE dural review pursuant to 43 CFR 3165.3  and appeal pursuant to 43 CFR 3165.4  EXECUTE: A complete of the comp	LOCATION TO NEARES	T LINE, FT.	895'					THIS WELL 320			
23. and appeal pursuant to 43 CFR 3165.4 AT ACHED GENERAL REQUIREMENTS  12-1/4" 9-5/8", K-55 36.0 250' 161 cuft C1 "B" w/3% CaCl2  8-3/4" 7", K-55 20.0 3655' 943 cuft 65/35 Pos, 183 cuft C1" 6-1/4" 4-1/2", K-55 10.5 3555-6235' 415 cuft C1 "B" w/4% gel &	18. DISTANCE FROM PROI TO KEAREST WELL, D	COSED LOCATION* DRILLING, COMPLETED,	750'	6235'			ary				
SIZE OF HOLE   ORANGESESSOFCASING   WEIGHT PIER FOOT   AT FACHED GENERAL REQUIREMENT   SALEKT	650 hillso acti	ION IS subject to	technical and		D# 1 (1) (2)	00=m		April 15,			
SIZE OF HOLE   ORACE SIZEOF CASHO   WEIGHT PER FOOT   AT FACHED GENERAL REQUIREMENTS.	and appe	al pursuant to 43 CI	43 CFR 3165.3 H 3165 4	Ų	ABUEC.	PRIONIC	COMP	LIANCE WITH			
8-3/4" 7", K-55 20.0 3655' 943 cuft 65/35 Pos, 183 cuft C1" 6-1/4" 4-1/2", K-55 10.5 3555-6235' 415 cuft C1 "B" w/4% gel &		1		ют [А							
6-1/4" 4-1/2", K-55 10.5 3555-6235' 415 cuft C1 "B" w/4% gel &		9-5/8", K-55	36.0								
			20.0				(_ <del></del>				
additives ' additives	6-1/4"	4-1/2", K-55	10.5	3	555-623	i			% gel &		
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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-ofway. The right-of-way will be a new road approximately 475' long which crosses the SE/SW of Section 28, T3lN, R5W where it joins an existing road which crosses the SW/SW of Section 28 where it joins Forest Road #309. Forest Road #309 continues NW for 3 miles where it joins with the main Rosa Road. The Rosa Road continues SW for 13 miles where it connects to the Sims Mesa Highway. The surveyed access road and pipeline are 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 substirface locations and measured and true vertical depths. Give blowout preventer program, if any, 24.

BIGNED POW C. Thompson TITLE	Paul C. Thompson, Agent
(This space for Federal or Sate dance (18)	AS AMENDED
MAY 3 0 1995  Application approval does not warrant or certify that the applicant holds legal or equit	APPROVAL DATE
CONDITIONS OF APPROVAL IF ANY: OIL CONS. DIV.	DISTRICT MANAGER
DIST. 3	A DISTRICT MANAGER
APPROVED BY TITLE	DATE
*Car to don't	INM X II) Control

District I PO Box 1980, Hobbs, NM 88241-1980 District II PO Drawer DD, Artesia, NM 88211-0719 District III

District IV

State of New Mexico
Energy, Minerals & Natural Resources Department

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

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

AMENDED REPORT

Form C-102

## 1000 Rio Bruzos Rd., Aztec, NM 87410 PO Box 2088, Santa Fe, NM 87504-2088

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ļ	1	API Numb	72210									
	30-039-25513			72319 BLANCO MESA VERD								
	' Property Code				<sup>5</sup> Property Name					* Well Number		
	0084		-	Rosa Unit					146			
	'OGRID			<sup>1</sup> Operator Name						Elevation		
-	16189			Nor	thwest	ne Productio	on	6507				
	10 Surface Location											
	UL or lot no.	Section	Township	Range	Range Lot Ida Feet from the North/Sout		North/South line	Feet from the	East/Wes	ıt line	County	
	N	28	31 N	1 5 W		895	South	1850	West R.A.			
•				11 Bot	tom Hol	e Location	If Different Fr	om Surface				
-	UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Wes	ıt line	County	
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<u></u>			1199	NON-ST	ANDARD	UNIT HAS	BEEN APPROVED	BY THE DI	VISION			
J	16			528	460					CERT	TFICATION	
Y					1			11	I hereby certify that the information contained herein is			
J	<b>j</b> i				*			true and co	true and complete to the best of my knowledge and belief			
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V					7			11 -	C. Thomp	son,	P.E. (Agent	
X					1			Printed N	me Presi	dent		
J					<b>S</b>				Walsh Engr. & Prod. Corp.			
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## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

