SUBMIT IN TRIPLICATE*

Form approved. Budget Bureau No. 42-R1425.

HNITED STATES

			uctions	0
	re	verse	side)	

(Other instructions on	
reverse side)	31-139-22468

	10-139-124							
	5. LEASE DESIGNATION AND	SERIAL NO.						
	USA-SF-080179							
APPLICATION	N FOR PERMIT T	O DRILL, DI	eepen, or pl	.UG BA	4CK	6. IF INDIAN, ALLOTTEE OR 1	TRIBE NAME	
Ia. TYPE OF WORK		DEEDEN [1 011	G BAC		7. UNIT AGREEMENT NAME		
	LL X	DEEPEN [j PLO	DAG	, U	San Juan 29-5	Unit	
b. TTPE OF WELL	AS T		SINGLE X	MULTIPLE ZONE	€	S. FARM OR LEASE NAME		
WELL W	ELI. Y OTHER		ZONE EL	20.00		San Juan 29-5	Unit	
					-	3. WELL NO.		
Northwest Pir	<u>eline Corporati</u>	lon	· · · · · · · · · · · · · · · · · · ·			#102		
		Oct	0.7		<u> </u> -	10 of IELD AND POOL, OR W	JLDCAT	
P.O. Box 90,	Farmington, New eport location clearly and	V Mexico 874	any State requiremen	ts.*)		Journador P.	.C. 9	
At surface 1010'	FNL & 930' FEL	Sec 9 I	29N R5W]-	11. SEC., T., B., M., OR BLK.	3000	
λ					l	AND SURVEY OR AREA		
At proposed prod. zon	 Same as above 	9				Sec 9 T29N R5W	1	
14 DISTANCE IN MILES A	AND DIRECTION FROM NEAR	EST TOWN OR POST	OFFICE*			12. COUNTY OR PARISH 13	STATE	
						Rio Arriba	Wew Mexic	
15. DISTANCE FROM PROPE	st of Blanco, No	ew Mexico	16. NO. OF ACRES IN	LEASE		OF ACRES ASSIGNED THIS WELL		
LOCATION TO NEAREST PROPERTY OR LEASE I	INE, FT.	30'	N/A -3₽	\sim $ $	TO TH	160		
(Also to nearest drig			19. PROPOSED DEPTH		20. ROTAR	ARY OR CABLE TOOLS		
TO NEAREST WELL, DO ON APPLIED FOR, ON TH	RILLING, COMPLETED,	N/A	4010 '			Rotary		
21. ELEVATIONS (Show who		14/11		· ·		22. APPROX. DATE WORK V	FILL START*	
6797' (September 198	0	
23.		ROPOSED CASING	AND CEMENTING	PROGRA	М			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOO	T SETTING DI	ертн		QUANTITY OF CEMENT		
12-1/4"	8-5/8"	24#	120'			100 <u>sks ("""""</u>		
6-1/4"	2-7/8"	6.4#	4010	·		150 sks		
				1				
•	ļ	,	ı	. !				
						•		
					•			
Salectively	perforate and s	timulate the	Pictured Cl	liff Fo	rmatio	n.		
Completion n	lans will be de	termined at	Total Depth.		7 1 1111 0 20	•••		
. Compression p.	IMID WILL DO GO	002						
A BOP will be	e installed aft	er the surfa	ce casing is	set ar	nd ceme	ented. All subse	equent	
A BOP will be installed after the surface casing is set and cemented. All subsequent work will be conducted through the BOP's.								
						FIFE		
The North Eas	st quarter of Se	ection 9 1s.	dedicated to	this w	re V 1.🐬			
	DEC	EIVEL			/ **i			
Gas is dedic	ated	4			I All			
	ated REC	29 n i d	1		1000	8 1990		
	1 3014	and TY	.		VOIT C	G 8 1980		
	E PROPOSED PRINCES	20010 AL ST.				De sone Wall proposed no	ew productive	
IN ABOVE SPACE DESCRIBE	e rgorosep raddaest: If.	proposal is to deepe	data on subsurface le	cations an	d mousured	and the vertical depths.	Gire blowout	

preventer program, if any. DATE June 10, 1980 April Per Vittem rat or State office use) AS AMENDED This action is subject to administrative

POISTRICT ENGINEER

*See Instructions On Reverse Side

appeal pursuant to 39 CFR 2901

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088 SANTA FE, NEW MEXICO 87501 MAY 1 1980

Form C-102 Revised 10-1-78

es must be from the cuter boundaries of the Section.

			VII quatence			ounderles (1.1)		tartest App ong: Well No.
Operator CAN THAN OO T INTT								
NORTHWEST PIPELINE CORPORATION			L	Ronge	UAN 29-5	County		
Unit Letter	Section		Township		5W			Arriba
A Actual Footage Los	9	Valle	29N				11.20	
			North		930	feet	from the	East line
1010 Ground Level Elev.	feet fro	roducing Fo		line and	Pool Op	Lexand.	(77)	Dedicated Acreage:
6797	. [tured Clif	1	Undes	ignate d F	icture	d Cliffs 160 Acres
0171					11 1 - 1	1:1	. hashura	marks on the plat below
	han one	lease is						marks on the plat below.
If more the dated by	an one	tization,	unitization,	force-poolir	ig. etc?			interests of all owners been consoli-
X Yes	\square N	o If a	answer is "'y	es," type of	consolida	tion	Uniti	zation
this form	if neces	sary.) be assign	ned to the w	ell until all	interests	have been c	onsolida	en consolidated. (Use reverse side of ted (by communitization, unitization, ts, has been approved by the Commis-
77011.								CERTIFICATION
	. 1		And the Common State		 - - -	10101	A Section of the sect	I hereby certify that the information con- tained herein is true and complete to the best of my knowledge and belief.
	 	·			 -			Paul C. Thompson Paul C. Thompson
	1				 			Position Drilling Engineer Company Northwest Pipeline Corp.
	1 1		Sec.		1	•		Date May 21, 1980
				9				I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or
	+			: 122 -	 			under my supervision, and that the same is true and correct to the best of my inowledge and belief.
	[]		•			*	3. 3	May 15. 1980 Registered Professional Engineer
					! !			Grad Subveyor (1)
				<u> </u>				Certificate No. RED B. KET
		70 1650	1980 2310 26	40 200	0 1500	1000	800	3950

NORTHWEST PIPELINE CORPORATION

DRILLING PROGNOSIS

San Juan 29-5 Unit #102

930' FEL & 1010' FNL LOCATION:

Sec 9 T29N R5W

Rio Arriba Co., New Mexico

DATE: June 16, 1980

ELEVATION: 6797' GR

SURFACE: Undesignated Pictured Cliff FIELD:

MINERALS: FED SF-080179

GEOLOGY: Surface formation - San Jose

0E03 <u>001</u> .			m	Donth	
Ā.	Formation Tops:	<u>Depth</u>	Formation Tops:	Depth	
	Oio Alamo	2987'	Pictured Cliffs	3782 '	
	Kirtland	3312'	Total Depth	4010'	
	Fruitland	3417 '		_	

Fruitland B. Logging Program: I-ES and Neutron-Density with Gamma Ray at Total Depth.

III. DRILLING:

A. Contractor:

B. Mud Program: Mud and water will be furnished by Northwest Pipeline Corp.

a) From Surface to Total Depth to be drilled with mud.

b) While drill pipe is in use the pipe rams will be tested not less than once each day. The blind rams will be tested once each trip. All tests will be recorded in the Northwest Pipeline tour reports as to time and date.

IV. MATERIALS:

A.	Casing Program: Hole Size	Denth	Casing Size	Wt & Grade
	12-1/4"	Depth 120'	8-5/8"	24# K-55
	6-1/4"	4010'	2-7/8"	6.4∦ J-55

B. Float Equipment:

- a) Surface Casing: 8-5/8" Larkin Guide Shoe (Fig 102).
- b) Production Casing: 2-7/8" 6' to 8' joint with notched collar on bottom and a 2-7/8" Hallibutron Baffle (Fig 801.03095) on top of the shoe joint. Use two (2) 3-1/16" rubber balls and one (1) Halliburton Omega Latch-in Plug (Fig 801.0292) above cement in a 3-1/4" I.D. Plug container cementing head. Run six B&W centralizers (Fig 72281-00) on bottom six joints. Pump plug, followed by one barrel of 7-1/2% acetic acid. As soon as plug is bumped, pressure up to 4000 psi test casing.
- C. Tubing: NONE.
- D. Well Head Equipment: Larkin.

V. Cementing:

- Surface Casing: 8-5/8" Use 100 sacks of Class "B" cement with 1/4# Flocele/sack and 3% CaCl, (100% excess). WOC 12 hrs.
- Production Casing: 2-7/8" Use 50 sks Class "B" 65/35 poz w/ 12% gel and 12-1/2# of fine gilsonite per sack. Tail in with 100 sacks of Class "B" cement with 6% gel and 10# gilsonite/sk. (Slurry volume -292 cu.ft). (70% excess to fill to the top of the Ojo Alamo).

Drilling Prognosis San Juan 29-5 Unit #102 Page #2

V. Cementing Cont'd:

Run temp survey after 12 hrs.

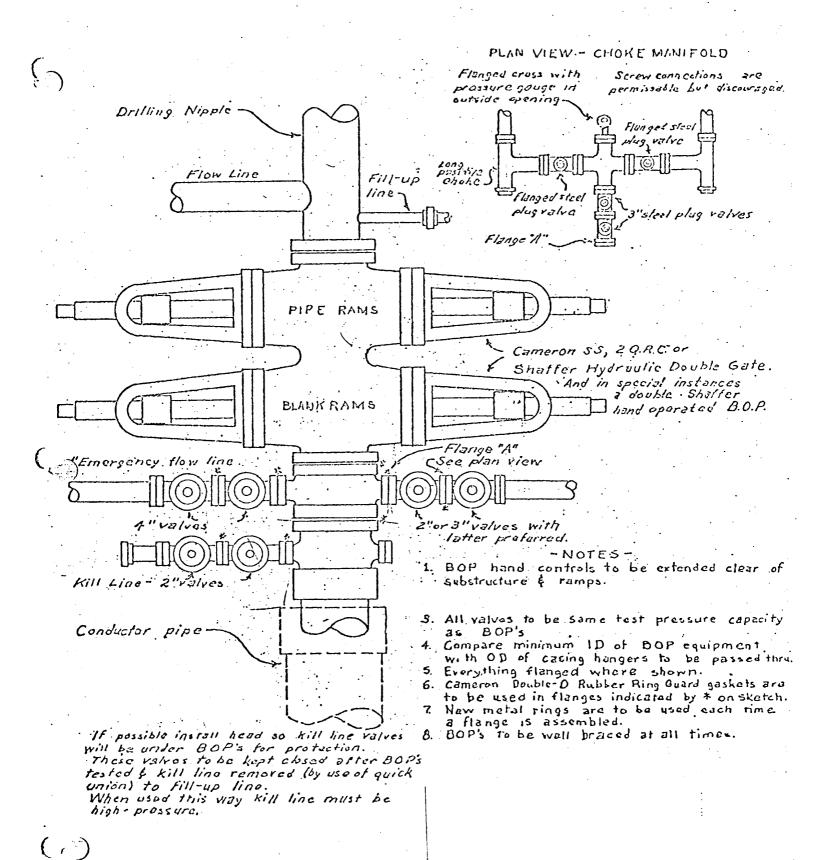
***NOTE: Test Surface casing to 600 psi for 30 minutes.

F. H. Wood

MJT/djb

Original: Well File

sc: Regular Distribution



SINGLE PIPE RAM BLOWOUT PREVENTOR HOOKUP

- 1. Existing Roads: See attached topographic map. All existing roads used, shall be maintained in a serviceable condition at all times during the drilling operation.
- 2. Planned Access Roads: See attached topographic map. Maximum grade is approximately 1%. The road surface will not exceed twenty feet in width. Upon completion of drilling operations the access road will be adequately drained to control runoff and soil erosion. Drainage facilities may include ditches, water bars, culverts or any other measure deemed necessary. All activities will be confined to the access road and drill pad.
- 3. Location of Existing Wells: See attached topographic map.
- 4. Location of Tank Batteries; Production Facilities; and Production, Gathering and Service Lines: See attached topographic map for locations of existing and proposed gas gathering lines.
- 5. Location and Type of Water Supply: Water needed for the drilling operation will be hauled from the Conoco Water hole.
- 6. Source of Construction Materials: No additional materials will be needed.
- 7. Methods for Handling Waste Disposal: All garbage, debris, and trash will be buried at least three feet deep. A portable toilet will be supplied for human waste. After drilling operations have been completed the reserve pit will be fenced and the liquid portion will be allowed to evaporate before the location is cleaned up and leveled. The earthen pits will not be located on natural drainages and will be constructed in such a manner so that they will not leak. Any evaporator pit containing toxic liquids will be fenced.
- 8. Ancillary Facilities: There will be no camps or airstrips associated with the drilling of this well.
- 9. Well Site Layout: See attached location layout sheet. There will be a drainage ditch above the cut slope.
- 10. Plans for Restoration of the Surface: Upon completion of drilling, the location will be cleaned, and leveled so that no cut or fill banks will be steeper than 3:1.

All of the area disturbed in connection with the drill site will be seeded as close as possible for any above ground equipment while still allowing for access to the equipment. Seeding will be done within one year after drilling is completed and during the period from July 1 through September 15. Seeding will be done with seed Mixture #1.

All equipment above ground will be painted a non-glare, non-reflective, non-chalking color that simulates the natural color of the site. For this well code number 595-34127, green.

11. Other Information: If, during operations, any historic or prehistoric ruin, monument or site, or any object of antiquity is discovered, then work will be suspended and the discovery will be reported to the District Manager of the BLM.

All liquids from the line will be contained at the site unless otherwise specified by the surface agency's representative.

Multi-Point Surface Use Plan

Page 2

When drilling with gas, the line used to discharge and burn off the gas will be located so as not to damage vegetation in the area, and if necessary an earthen screen will be constructed to protect the vegetation. All liquids from the line will be contained at the site unless otherwise specified by the surface agency's representative.

The area covered by the location and proposed access road is gently sloped with scattered brush and some grasses.

- 12. Operator's Representative: Paul Thompson P.O. Box 90 Farmington, New Mexico 87401. Phone: 327-5351 Extension # 115
- 13. Certification:

I hereby certify that I have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; and, that the work associated with the operations proposed herein will be performed by Northwest Pipeline Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Paul Thompson

Drilling Engineer

WJB/ch

SAN JUAN 29.5 UND CORPORATION 644 out PIPELINE LOCATION NORTH WEST

न्वप्रहरू | TRASH PAT 130 MUDCIE DO RESERVE Nu Du D t 50' ŭ õ ,02 Pipe Racks

DATE: 6/11/80

A. 2. 1 20